DODGE®

PT COMPONENTS ENGINEERING CATALOG

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WARNING
The information provided for Product Interchange in this catalog is for use only as a general reference by persons qualified to recognize unreasonable selection options. Products suggested as substitutes may have dimensional, rating, pricing and other differences from products to be replaced. This selection method must be used in conjunction with the applicable product catalog which contains important precautions and other pertinent information.

In illustrations throughout this catalog, safety guards have been removed for photographic purposes.

WARNING: Because of the possible danger to person(s) or property from accidents which may result from the improper use of products, it is important that correct procedures be followed: Products must be used in accordance with the engineering information specified in the catalog. Proper installation, maintenance and operation procedures must be observed. The instructions in the instruction manuals must be followed. Inspections should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures as may be described or as may be specified in safety codes should be provided, and are neither provided by Dodge Industrial nor are the responsibility of Dodge Industrial. This unit and its associated equipment must be installed, adjusted and maintained by qualified personnel who are familiar with the construction and operation of all equipment in the system and the potential hazards involved. When risk to persons or property may be involved, a holding device must be an integral part of the driven equipment beyond the speed reducer output shaft.

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REFERENCE GUIDE

COUPLINGS

PARA-FLEX Couplings
Page PT1-2

- Torque transmitted through composite element system
- Finished-bore and TAPER-LOCK® flange designs
- Five-year limited warranty
- No lubrication and visual inspection reduces maintenance time
- Accommodates highest misalignment of any coupling in the industry
  - 4° angular
  - 1/8" parallel
  - 5/16" end float
- ATEX Approved

D-FLEX Couplings
Page PT1-29

- Low-cost Type J couplings offered in four sizes
- Type S couplings feature AGMA 9 balanced flanges off the shelf
- Type B couplings offered with standard QD bushing shaft attachment
- Type SC spacer couplings satisfy standard spacing requirements for pump
- Rounded EPDM and Neoprene elements for improved fit and longer
- AGMA 9 balance on S and SC flanges for reduced vibration
- ATEX Approved

Applications

- Interchangeable components make installation quick, easy
- No lubrication assures trouble-free operation

GRID-LIGN Couplings
Page PT1-42

- Flexible tapered element isolates vibration and cushions shock loads
- High-torque capability
- Interchangeability with other tapered grid couplings
- Tapered grid design

Gear Couplings
Page PT1-60

- High-quality forged steel
- Largest tooth profile provides additional service factor
- Largest bore capacity in the industry, in most sizes
- Proven "O"-ring seal design
- Machined flanges for improved sealing
- High-grade fasteners
- High-torque rating allows for coupling downsizing
- Crowned tooth profile for longer life and improved performance
- Interchangeable with industry-standard gear couplings half for half

Chain Couplings
Page PT1-66

- Simple, widely accepted, inexpensive way to couple two shafts
- Interchangeable with industry-standard dimensions
- Can be provided with TAPER-LOCK bushed hubs, finished bore, or reboreable flanges
- Covers and assemblies available from stock
- Shaft attachment flexibility
- High-torque capability
- Compact design
- Low operating cost
- Broad product line

Poly-Disc Coupling
Page PT1-73

- Requires no lubrication
- Taper-Lock bushing allows for connection of two different shaft sizes
- Polyurethane element
- Pin design cushions shock loads
- Excellent for washdown applications
- Wide temperature range (-90 to 170 ˚ F)
- Misalignment = 2˚ Angular, 1/32 in. parallel

Please see www.dodgeindustrial.com for Instruction Manuals on all Dodge products.

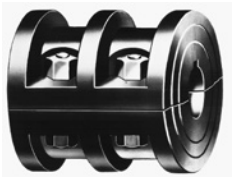
REFERENCE GUIDE

DODGE

Taper-Lock Rigid Coupling
Page PT 1-74

- Metallic coupling
- Requires no lubrication
- Taper-Lock bushing allows for connection of two different shaft sizes
- 8 Flange sizes thru 6” bore

Ribbed Rigid Coupling
Page PT1-75



- Metallic coupling
- Requires no lubrication
- Clearance fit with full length key
- Same shaft size required on both sides
- 34 Sizes thru 7” bore

POWERPLUS
Page PT1-76

- A power-dense, high torque elastomeric coupling
- Power density at high speeds
- Positive drive
- Shock load and vibration dampening
- Easy installation
- Low maintenance
- ATEX approved
- Minimal length thru bore
- Lightweight design

D-Series Motor Brakes
Page PT2-6

- Exceptionally long-life friction material
- Internally rectified DC coil provides quieter operation
- Easy installation and external adjustment
- One moving part, reduces replacement parts
- Smooth stopping action
- Splined hub for superior load distribution
- Manual release
- Clutch/brake modules

Clutch/Brake Modules
Page PT2-12

- Conforms to UL and CSA requirements
- One-piece, die-cast housing simplifies mounting; housing finned for maximum heat dissipation
- Pre-lubricated and sealed ball bearings have higher B10 life rating than competitive modules
- High-torque, non-asbestos friction material assures long life and environmental safety
- Armatures incorporate a high-impact, high-temperature molded spline for heavy-torque and high-cycle capabilities
- DYNA-GAP automatic air gap mechanism automatically compensates for friction surface wear
- Modules are factory assembled, adjusted, and burnished for easy installation and out-of-the-box operation
- Rotor incorporates ball bearing and Driv-Lok key for foolproof installation
- Standard NEMA C-face and base mounted, shaft-in/ shaft-out mounting configurations

Shaft Mounted Clutches & Brakes
Page PT2-18

- Bore to size and taper lock bushings
- Voltage Input = 90, 24 and 6 VDC
- Static torque range: 22 lb-ft thru 175 lb-ft
- Factory assembled, adjusted, burnished
- Dyna-Gap self adjusting mechanism
- Heavy duty spline driven armature

REFERENCE GUIDE

FLEXIDYNE Couplings
Page PT3-2

- Motor starts under no-load conditions
- Permits use of STD NEMA-B motor
- Coupling or drive styles available
- 100% efficient, no slippage
- Can provide overload protection by slipping at loads somewhat greater than pre-set starting torque

Fluid Couplings
Page PT4-1

- Motor starts under no-load conditions
- Starting torque can be customized easily
- Permits use of standard NEMA design B motors
- Reduced voltage starters not needed
- Sizes 7 to 24 KSD with standard QD mounting sheave style
- KCP and CKCP mountings may require tapped motor shaft
- Available in standard and delay fill for increased control
- Optional fuse plug for overload protection
- Contact DODGE for non-standard sheaves

TORQUE-TAMER
Page PT5-2

- DODGE TORQUE-TAMER Clutches
- Low cost overload protection that's a cinch to adjust
- Quality features
  - Non-Asbestos friction discs
  - Long-Life bushing
- Exclusive "easy set" adjustment
- Automatic reset
- Higher torque ratings
- Application versatility
- Minimum maintenance

Bushings
Page PT6-2

- Full line of TAPER-LOCK and QD available
- Stock sizes available up to 12" shaft diameter
- Material: sintered steel, cast iron, ductile iron, and stainless steel
- Easy installation and demounting
- Inch and metric bores

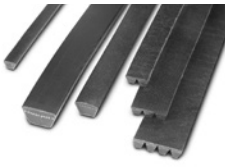
Weld-On Hubs
Page PT6-12

- Full line of TAPER-LOCK and QD available
- Steel material with rugged, compact designs
- Hubs to accommodate most bushing sizes
- Made-to-order capabilities—special construction and materials

V-Belt Sheaves
Page PT7-27

- Full line of TAPER-LOCK and QD available
- Classical (A, B, and C) and D-V Wedge style (3V, 5V, and 8V) groove profiles
- Stock sizes from one to 12 grooves and 2.65" to 71" in diameter
- Manufactured to MPTA standards
- MTO capabilities—material, construction, BTS, etc.
- Computer drive selection available

V-Belts
Page PT7-28



- Full range of Classical (A, B, and C) and D-V Wedge (3V, 5V, and 8V) belts
- Manufactured to RMA standards
- Poly-band, Double-V (hex), and FHP belts available
- Lengths from 22" to 660"
- Drive capability from 1 HP to over 1000 HP

REFERENCE GUIDE

FHP Belt Drives
Page PT8-10

- Full range of FHP belts available
- Finished-bore and “QT/L” bushed style sheaves available
- “QT/L” bushings available in metric bores
- Cast iron and manufactured to MPTA standards
- Sheave outside diameter range: 1-1/2” to 19-3/4”
- Variable pitch sheaves available
- Computer drive selection available

DYNA-SYNC Drives (Timing)
Page PT10-2

The Original Timing Drive

- Synchronized No-Slip Transmission
- No Lubrication Required
- Efficiency: Approximately 98%
- Low Maintenance
- Virtually No Backlash
- Constant Linear Velocity
- Drive Ratios to 8.5:1
- Pitches: XL, L, H, and XH
- Dual-Sided Teeth Available for Serpentine Drives

HT200/HTD Synchronous Belt Drives
Page PT11-2

- Full line of TAPER-LOCK, QD, and minimum plain bore sprockets
- Higher capacity drives
- Available pitches: HT series, 5 mm, 8 mm, and 14 mm
- Made-to-order sprocket capabilities: construction, non-standard number of teeth, etc.
- HT200 belt profiles
- Computer drive selection available
- Modified curvilinear tooth profile

HT500 Synchronous Belt Drives
Page PT12-2

Virtually maintenance free

- Requires no oil or grease to run efficiently
- No need to re-tension the belts
- Compact maintenance free design

Reinforced Parabolic Tooth Profile (RPP)

- Allows synchronous transmission of power eliminating slippage and speed variation on high torque application
- Low installation tension reducing loads on other power transmission components (i.e., bearings, gearing, motors, etc.)
- Delivers power up to speeds of 10,000 FPM (Standard hardware is rated for 6,500 FPM). Contact Dodge if speeds greater than 6500 FPM are required.
- Superior meshing characteristics with the sprocket
- Reduces sprocket wear due to friction
- Higher power ratings than comparable timing belts
- Quieter operation
- Wide seed range coverage

Roller Chain Sprockets
Page PT13-2

- Sprockets manufactured to ANSI standard
- TAPER-LOCK sprockets: #35 (3/8” pitch) to #160 (2” pitch)
- Double-strand and double-single sprockets also available
- Special machining and re-bore capabilities available as made-to-order product
- Accessories available: chain casings, idlers, tensioners, etc.
- Hardened teeth up to 25 teeth on #40 through #160 sprockets
- Chain tools available

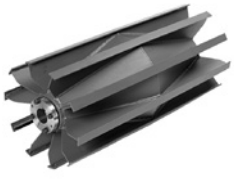
REFERENCE GUIDE

Conveyor Components

Heavy Duty Drum Pulley Assemblies
Page PT14-15

- Standard, stock pulley assemblies fit CEMA dimensions and exceed the CEMA application standards for use with conveyor belts rated up to 750 PIW/(131 kN/m)
- 14° taper bushings with the lowest installation stress of any taper bushing shaft mounting system for two hub pulley applications
- Up to 1" vulcanized 45, 60, and 70 durometer SBR and 45, 60, and 70 durometer Neoprene rubber lagged with plain and groove surfaces
- Vulcanized 60 durometer D-Lag with +73% more abrasion resistance that 60 durometer SBR
- Drums either center crowned or straight face

Heavy Duty Wing Pulley Assemblies
Page PT14-34



- Standard, stock pulley assemblies fit CEMA dimensions and exceed the CEMA application standards for use with conveyor belts rated up to 350 PIW/61 kN/m
- 14° taper bushings with the lowest installation stress of any taper bushing shaft mounting system for two hub pulley applications
- Slide-on 92 durometer urethane wing lagging 1/2" thick or 45, 60, and 70 durometer SBR, vulcanized directly to contact bars. Also weld-on strips with 45 and 60 durometer with prebonded SBR rubber lagging

Mine Duty Extra Drum Pulley Assemblies
Page PT14-49

- One-piece integral hubs eliminate welded hub heat-affected zones (HAZ)
- 14° taper bushings with the lowest installation stress of any taper bushing shaft mounting system for two hub pulley applications
- Continuous welding of internal center disc
- Up to 1" vulcanized 45, 60, and 70 durometer SBR and 45, 60, and 70 durometer Neoprene rubber lagged with plain and groove surfaces
- Vulcanized 60 durometer D-Lag with +73% more abrasion resistance than 60 durometer SBR
- Drums either center crowned or straight face

Mine Duty Extra Wing Pulley Assemblies
Page PT14-53

- Designed for use with DODGE Mine Duty EXTRA drum pulleys
- One-piece integral hubs
- 14° taper bushings with the lowest installation stress of any taper bushing shaft mounting system for two hub pulley applications
- Rugged construction incorporating 2" x 3/4" thick contact bars, 3/8" thick wings, and 3/8" thick spacers
- Up to 1/2" vulcanized 45, 60, and 70 durometer SBR and 45, 60, and 70 Neoprene rubber lagging on contact bars
- AR400 bar available

Engineered Drum Pulley Assemblies
Page PT14-56

- Made to order based upon conveyor load, belt tension, belt wrap angles, and bearing centers
- Supplied for belt ratings up to and exceeding 8000 PIW or 1400 kN/m
- Welded, integral, and profiled end discs versions minimize the harmful effects of weld heat-affected zones (HAZ)
- 14° taper bushings with the lowest installation stress of any taper bushing shaft mounting system for two hub pulley applications up to 12" shaft diameter
- Keyless locking devices available for most shaft sizes

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Couplings

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Disc Coupling PT1-53
Moment PT1-66
Chain Coupling PT1-67

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D-FLEX® PT1-25
GRID-LIGN® PT1-38
Gear Coupling PT1-50
Disc Coupling PT1-59
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Nomenclature

PARA-FLEX® PT1-3
D-FLEX® PT1-25
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FEATURES/BENEFITS

DODGE PARA-FLEX Couplings

Superior "Problem Solver" Element Design

- Industry leading misalignment capabilities
- End split reinforcement for increased torque ratings and extended life
- Reinforced torque-carrying tension cords prevent unexpected downtime
- Uniform and centered beads prevent element pull out during operation
- Protects connected equipment by damping vibrations and shock loads

Industry Leading Five-Year Limited Warranty

- Over 50 years of proven performance
- Reliable product operation
- Includes sizes PX40 to PX200

Increased Productivity

- Non-lubricated design assures trouble-free operation
- Visual inspection saves time and allows for preventive maintenance
- Split element for easy installation

ATEX Approved

- All documents and markings included with standard product to meet ATEX requirements

TAPER-LOCK Flange Design

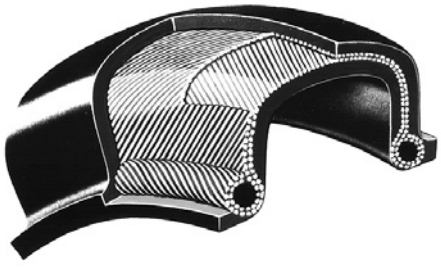
- Utilizes standard TAPER-LOCK bushings for easy installation and removal
- Reversible flanges for H and F style mounting on sizes PX50-PX120
- "TLX" extended bore capacity flanges for increased bore capacities
- Pre-assembled for quick installation

QD Flange Design

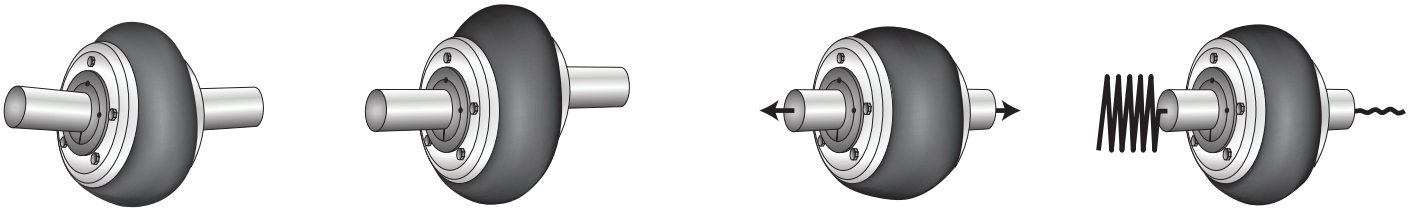
- Utilizes standard QD bushings for easy installation and removal
- Industry leading bore and torque capacities versus competitive designs
- Hardware installs from inside or outside of the hub for mounting flexibility
- Pre-assembled for quick installation

Bored to Size

- Steel flanges are ideal for high shock load and vibration applications
- Largest bore capacity of all Para-Flex products



Accommodates Misalignment



Takes 4° angular misaligment | Takes 1/8" parallel misaligment | Takes end-float of 1/4" to 5/16" | Dampens vibrations

PARA-FLEX

SPECIFICATION

PARA-FLEX Couplings employ a molded, non-lubricated elastomeric flexing member loaded in shear. The flexible element is compounded natural or neoprene rubber with textile cord reinforcement throughout and has an extra layer of reinforcement adjacent to the split for added durability. The compound of natural rubber element shall be suitable for operation in ambient temperature from -45°F to +180°F; Neoprene -40°F to +210°F.

The flexible element is attached by clamping between axially separable rings with exposed cap screws. The couplings are designed to be capable of accommodating combined misalignments of 4° angular, 1/8" parallel, and 5/16" end float at the full rating of the coupling without restricting the life of the coupling. The flexible element must be replaceable without disturbing the coupled equipment and without the requirement for realignment.

The coupling assemblies have optional methods of attachment to the shaft including but not limited to: clearance fit, interference fit TAPER-LOCK or QD bushings. Clearance fits are supplied with an industry standard keyway and two set screws, one over the key and one at 65°.

1 PX40:	4° angular, 1/16" parallel, 3/16" end float.
2 PX110:	4° angular, 1/8" parallel, 1/4" end float.
3 PH & PF:	1° angular, 1/16" parallel, 3/16" end float.

PARA-FLEX Couplings are static conductive.

HOW TO ORDER

Standard couplings consist of:

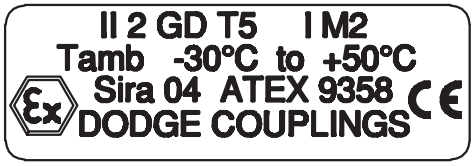
(2) Flange Assemblies

(1) Flexible Element

(2) Bushings (TL or QD)

ATEX Approved

- All documents and markings included with standard product to meet ATEX requirements



SPECIFICATION/HOW TO ORDER/NOMENCLATURE

NOMENCLATURE

PX **40** **FBX**

PARA-FLEX

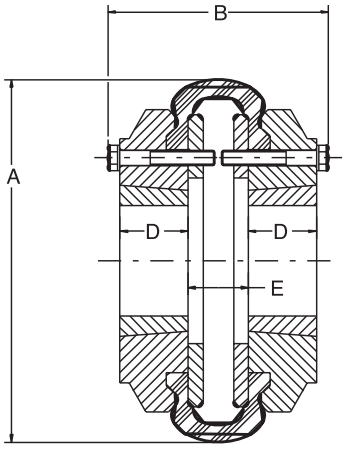
X = Standard
H = High Speed
F = Flywheel

Size (PX only): Approx. 4” O.D.

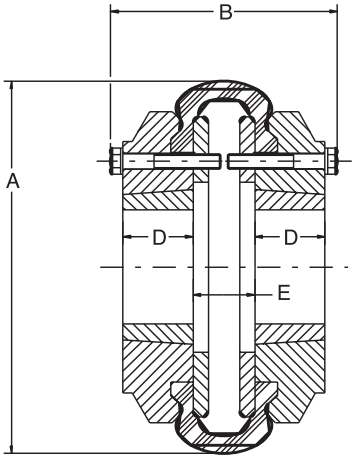
TL = TAPER-LOCK®
TLX = TAPER-LOCK, Extra Capacity
QD = QD Bushed
BBS = Bored-To-Size, Steel
TBS = One Taper Bored, one Bored-To-size, Steel
BBPS = BBS, Piloted for Floating Shaft
TBPS = TBS, Piloted for Floating Shaft

SELECTION/DIMENSIONS

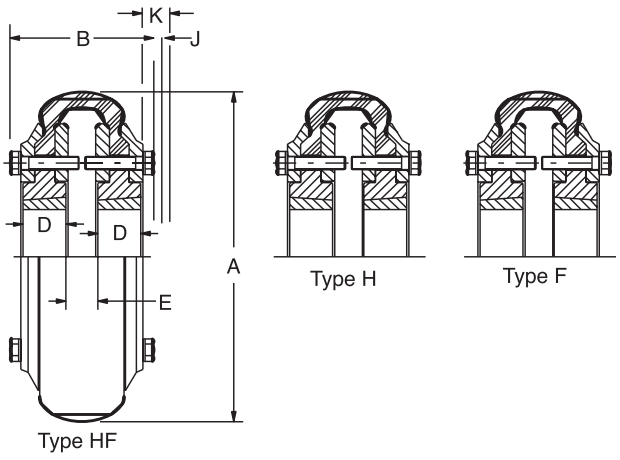
Standard, TAPER-LOCK



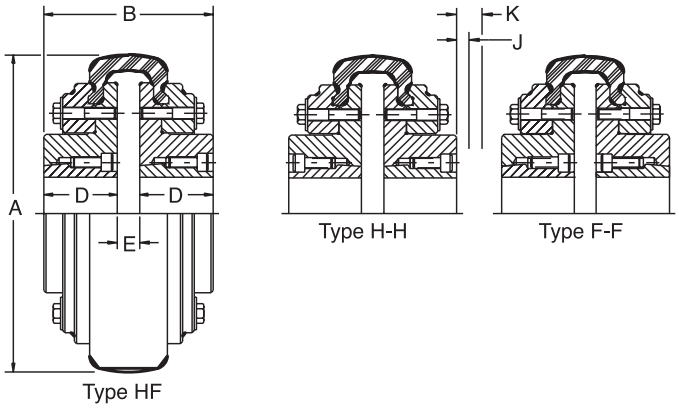
Style 1
Type H Taper-Lock



Style 1
Type F Taper-Lock



Style 2 Taper-Lock couplings
with reversible flange



Style 3 PARA-FLEX Taper-Lock couplings

SELECTION/DIMENSIONS

Standard, TAPER-LOCK

Coupling Size	TAPER-LOCK Bushing Size	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM	Style	A	B	D	E	J (1)	K (2)	Weight (Lbs.) (3)	Intertia (Lb-Ft^2) (4)
PX40TL	1008	1	0.68	429	4500	1	4.25	3	0.88	0.77	0.63	0.75	4.2	0.05
PX50TL	1108	1-1/8	1.43	900	4500	1	5.25	2.75	0.88	0.53	0.63	0.75	4.7	0.07
PX60TL	1310	1-7/16	2.86	1800	4000	1	6.5	3.34	1	0.72	0.81	1.06	9.2	0.21
PX70TL	1610	1-11/16	3.49	2200	3600	2	7.38	3.56	1	0.95	0.81	1.06	13	0.3
PX70TLX-F	2012	2-1/8	3.49	2200	3600	3	7.38	3.83	1.25	0.95	0.94	1.38	14.8	0.3
PX80TL	2012	2-1/8	5.72	3605	3100	2	8.38	3.75	1.25	0.77	0.94	1.38	19.6	0.73
PX80TLX-F	2517	2-11/16	5.72	3605	3100	3	8.38	3.99	1.75	0.77	1	1.63	24.7	0.8
PX90TL	2517	2-11/16	7.15	4502	2800	2	9.25	4.03	1.75	0.33	1	1.63	28.8	1.3
PX100TL	2517	2-11/16	8.58	5402	2600	2	10	4.22	1.75	0.52	1	1.63	38	2.2
PX100TLX-F	3020	3-1/4	8.58	5402	2600	3	10	4.36	2	0.52	1.19	2.06	42.6	2.4
PX110TL	2517	2-11/16	12.3	7750	2300	2	11	4.53	1.75	0.47	1	1.63	52.1	3.7
PX110TLX-F	3020	3-1/4	12.3	7750	2300	3	11	4.75	2	0.47	1.19	2.06	57.2	3.9
PX110TLX-H	3020	3-1/4	12.3	7750	2300	3	11	4.75	2	0.47	1.19	2.06	57.2	3.9
PX120TL	3020	3-1/4	20	12605	2100	2	12.38	5.03	2	0.44	1.19	2.06	74.4	6.6
PX120TLX-F	3525	3-15/16	20	12605	2100	3	12.38	5.45	2.5	0.44	1.31	2.69	88.1	7.4
PX140TL	3535	3-15/16	44	27590	1840	3	14.13	7.81	3.5	0.81	1.31	2.69	156	18.7
PX160TL	4040	4-7/16	60	37800	1560	3	16.63	9.19	4	1.19	1.63	3.38	243	33.7
PX200TL	4545	4-15/16	131	82500	1300	3	20	10.31	4.5	1.31	1.94	4.06	417	101
PX240TL	5050	5	240	151200	1080	3	24.13	11.91	5	1.91	2.31	4.81	682	231
PX280TL	7060	7	480	302200	910	3	28.5	15.97	6	2.22	1.63	4.38	1148	544
PX320TL	8065	8	719	453000	810	3	32.5	16.31	6.5	2.06	1.63	4.38	1640	1077

Notes: (1) Space required to tighten bushing with shortened hex key.
(2) Space required to loosen bushing with shortened hex key.
(3) Weight of complete coupling with bushing.
(4) Inertia of complete coupling with bushing.

Flange assembles may be combined or interchanged for a given element size.

Upon combination, dimensions B and E as well as mass and inertia should be average to determine appropriate value.

SELECTION/DIMENSIONS

Standard, TAPER-LOCK Part Numbers

TAPER-LOCK Flange Assemblies

Coupling Size	Flange Assembly Part No.		TAPER-LOCK Bushing Size
	Type H	Type F	
PX40TL	**000849**	**000848**	1008
PX50TL	**010601**	✻	1108
PX60TL	**010602**	✻	1310
PX70TL	**010603**	✻	1610
PX70TLX-F	**-**	**395277**	2012 •
PX80TL	**010604**	✻	2012
PX80TLX-F	**-**	**395278**	2517 •
PX90TL	**010605**	✻	2517
PX100TL	**010606**	✻	2517
PX100TLX-F	**-**	**395279**	3020 •
PX110TL	**010607**	✻	2517
PX110TLX-H	**395281**	**-**	3020 •
PX110TLX-F	**-**	**395280**	3020 •
PX120TL	**010608**	✻	3020
PX120TLX-F	**-**	**395282**	3525 •
PX140TL	**011134**	**011154**	3535
PX160TL	**011137**	**011157**	4040
PX200TL	**011140**	**011160**	4545
PX240TL	011144	011164	5050
PX280TL	011455	011456	7060
PX320TL	011472	011471	8065

✻ PX50-PX120 have a reversible flange for type H or F mount

Complete coupling consists of (2) TAPER-LOCK Flange Assemblies.
(2) Taper-Lock Bushings, and (1) Element.

For Taper-Lock Bushings, see page/section _____

• These flanges require a metric bushing, see page _____

Elements

Coupling Size	Standard Part No.	Neoprene (1) Part No.	Cordless (2) Part No.
PX40	**011529**	**012455**	**012456**
PX50	**011105**	**011296**	**011285**
PX60	**011106**	**011297**	**011286**
PX70	**011107**	**011298**	**011287**
PX80	**011108**	**011299**	**011288**
PX90	**011109**	**011300**	**011289**
PX100	**011110**	**011301**	**011290**
PX110	**011111**	**011302**	**---**
PX120	**011112**	**011303**	**011292**
PX140	**011114**	**011304**	**---**
PX160	**011117**	**011305**	**---**
PX200	**011120**	**011306**	**---**
PX240	**011124**	**011312**	**---**
PX280	**011457**	**011313**	**---**
PX320	**011463**	**011315**	**---**

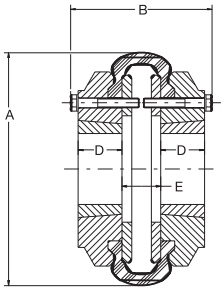
(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

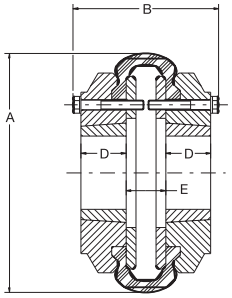
FEATURES/BENEFITS PAGE PT1-2	SPECIFICATION/HOW TOORDER PAGE PT1-3	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

SELECTION/DIMENSIONS

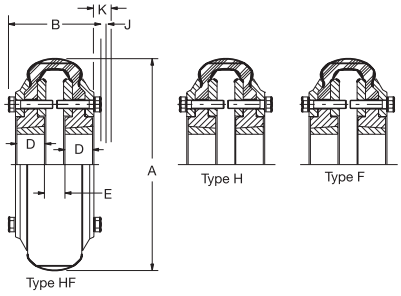
Metric, TAPER-LOCK Part Numbers



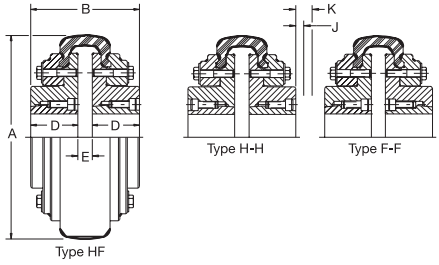
Style 1
Type H Taper-Lock



Style 1
Type F Taper-Lock



Style 2 Taper-Lock couplings
with reversible flange



Style 3 PARA-FLEX Taper-Lock couplings

Taper-Lock Couplings*

Coupling flange assy.	Element size	Min. bore	Max. bore	TL Bushing*	kW/100	Torque (in-lbs)	Max RPM	Style	A (in)	B = (in)	D (in)	E = (in)	J(1) (in)	K(2) (in)	Mass(3 =) (lbs)	Inertia(4 =) (lb-ft²)
PXM40TL	40	13	25	1008	0.51	425	4500	1	4.25	3	.88	.77	.63	.75	4.2	.05
PXM50TL	50	13	32	1210	1.07	900	4500	1	5.25	2.75	.88	.53	.63	.75	4.7	.07
PXM60TL	60	13	42	1610	2.13	180	4000	1	6.5	3.34	1	.72	.81	1.06	9.2	.21
PXM70TL	70†	13	42	1610	2.60	2200	3600	2	7.38	3.56	1	.95	.81	1.06	13	.3
PXM70TLX-F	70†	13	50	2012	2.60	2200	3600	3	7.38	3.83	1.25	.95	.94	1.38	14.8	.3
PXM80TL	80†	13	50	2012	4.27	3605	3100	2	8.38	3.75	1.25	.77	.94	1.38	19.6	.73
PXM80TLX-F	80†	13	65	2517	4.27	3605	3100	3	8.38	3.99	1.75	.77	1	1.63	24.7	.8
PXM90TL	90	13	65	2517	5.33	4502	2800	2	9.25	4.03	1.75	.33	1	1.63	28.8	1.3
PXM100TL	100†	13	65	2517	6.40	5402	2600	2	10	4.22	1.75	.52	1	1.63	38	2.2
PXM100TLX-F	100†	24	80	3020	6.40	5402	2600	3	10	4.36	2	.52	1.19	2.06	42.6	2.4
PXM110TL	110†	13	65	2517	9.18	7750	2300	2	11	4.53	1.75	.47	1	1.63	52.1	3.7
PXM110TLX-H	110†	24	80	3020	9.18	7750	2300	3	11	4.75	2	.47	1.19	2.06	57.2	3.9
PXM110TLX-F	110†	24	80	3020	9.18	7750	2300	3	11	4.75	2	.47	1.19	2.06	57.2	3.9
PXM120TL	120†	24	80	3020	14.92	12605	2100	2	12.38	5.03	2	.44	1.19	2.06	74.4	6.6
PXM120TLX-F	120†	31	100	3525	14.92	12605	2100	3	12.38	5.45	2.5	.44	1.31	2.69	88.1	7.4
PXM140TL	140	31	95/100•	3535	32.82	27590	1840	3	14.13	7.81	3.5	.81	1.31	2.69	156	18.7
PXM160TL	160	37	105/115•	4040	44.76	37800	1560	3	16.63	9.19	4	1.19	1.63	3.38	243	33.7
PXM200TL	200	50	115/125•	4545	97.73	82500	1300	3	20	10.31	4.5	1.31	1.94	4.06	417	101
PXM240TL	240	61	127	5050	179.04	151200	1080	3	24.13	11.91	5	1.91	2.31	4.81	682	231

(1) Space required to tighten bushing with shortened hex key
(2) Space required to loosen bushing with shortened hex key
(3) Weight of complete coupling with bushing
(4) Inertia of complete coupling with bushing
* Metric hardware
• Requires short series bushings to achieve maximum bore.

† Flange assemblies may be combined or interchanged for a given element size. Upon combination, dimensions B & E as well as mass and inertia should be averaged for appropriate value.
H = Hub Mount
F = Flange Mount

SELECTION/DIMENSIONS

Metric, TAPER-LOCK

Complete Para-Flex coupling consists of:
one element, two PXMTL flange assemblies and two TL bushings

Para-Flex Taper-Lock flange assemblies

Coupling size	Type H	Type F	
	Part Number	Part Number	Taper-Lock bushing size
PXM40TL	**013095**	**013096**	1008
PXM50TL	**013041**	**013040**	1210
PXM60TL	**013043**	**013042**	1610
PXM70TL	**013044**	*	1610
PXM70TLX-F	—	**395277**	2012
PXM80TL	**013045**	*	2012
PXM80TLX-F	—	**395278**	2517
PXM90TL	**013046**	*	2517
PXM100TL	**013047**	*	2517
PXM100TLX-F	—	**395279**	3020
PXM110TL	**013048**	*	2517
PXM110TLX-H	**395281**	—	3020
PXM110TLX-F	—	**395280**	3020
PXM120TL	**013049**	*	3020
PXM120TLX-F	—	**395282**	3525
PXM140TL	**013051**	**013050**	3535 / 3525•
PXM160TL	**013053**	**013052**	4040 / 4030 •
PXM200TL	**013055**	**013054**	4545 / 4535 •
PXM240TL	**395286**	**395285**	5050

Notes:
* Have reversible flange for type H or F mount.
• Requires short series bushing to achieve maximum bore.
Metric bushing required
For Taper-Lock designs, Taper-Lock bushings must be ordered separately.

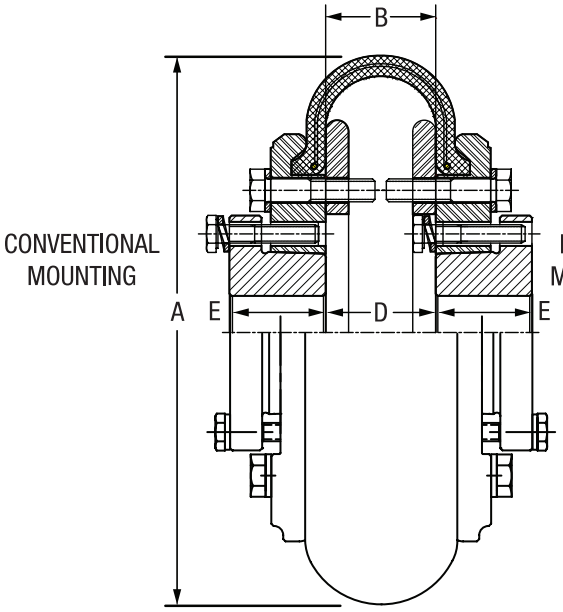
Elements

Coupling Size	Standard Part No.	Neoprene (1) Part No.	Cordless (2) Part No.
PX40	**011529**	**012455**	**012456**
PX50	**011105**	**011296**	**011285**
PX60	**011106**	**011297**	**011286**
PX70	**011107**	**011298**	**011287**
PX80	**011108**	**011299**	**011288**
PX90	**011109**	**011300**	**011289**
PX100	**011110**	**011301**	**011290**
PX110	**011111**	**011302**	---
PX120	**011112**	**011303**	**011292**
PX140	**011114**	**011304**	---
PX160	**011117**	**011305**	---
PX200	**011120**	**011306**	---
PX240	**011124**	**011312**	---

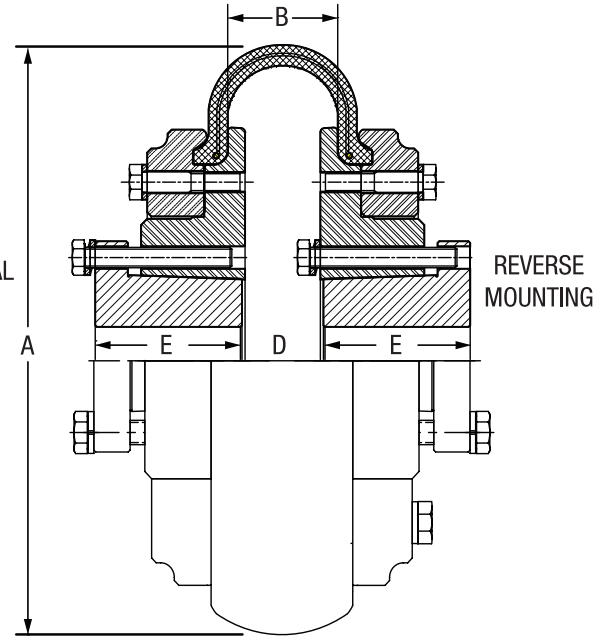
(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)
(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

SELECTION/DIMENSIONS

Standard, QD Bushed



PX50-120QD FLANGE ASSY



PX140-200QD FLANGE ASSY

Dimensions

Coupling Size	Bushing Size	Max Bore (In.)			HP/100	Torque Rating (In-Lbs)	Max RPM	Style	Dimensions (In.)				Weight (1) (Lbs.)	Inertia (2) (Lb-Ft)
		Full KW	Shallow KW	No KW					A	B	D	E		
PX50QD	JA	1	1-3/16	1-1/4	1.43	900	4500	1	5 1/4	3 7/8	1	1 17/32	4.7	0.08
PX60QD	SH	1-3/8	1-5/8	1-11/16	2.86	1800	4000	1	6 1/2	4 23/32	1 1/4	1 25/32	8.0	0.24
PX70QD	SDS	1-5/8	1-15/16	2	3.49	2200	3600	1	7 3/8	4 17/32	1 5/16	1 1/2	10.7	0.45
PX80QD	SK	2-1/8	2-1/2	2-5/8	5.72	3600	3100	1	8 3/8	5 13/16	3 7/8	1 1/2	15.5	0.88
PX90QD	SK	2-1/8	2-1/2	2-5/8	7.15	4350	2800	1	9 1/4	5 7/8	3 7/8	1 9/16	22.0	1.60
PX100QD	SF	2-5/16	2-15/16	–	8.58	5250	2600	1	10	6 1/8	4 5/8	1 15/32	32.0	2.90
PX110QD	SF	2-5/16	2-15/16	–	12.3	7750	2300	1	11	5 7/8	4 5/8	1 3/16	46.0	4.30
PX120QD	E	2-7/8	3-1/2	–	20	12540	2100	1	12 3/8	7 1/4	6	1 1/4	59.8	6.70
PX140QD	F	3-1/4	3-15/16	4	44	27590	1840	2	14 1/8	9 1/2	6 5/8	1 3/8	132.5	19.50
PX160QD	J	3-3/4	4-1/2	–	60	37800	1560	2	16 5/8	11 1/2	7 1/4	1 3/8	208.7	34.60
PX200QD	J	3-3/4	4-1/2	–	131	82500	1300	2	20	11 3/4	7 1/4	1 13/16	366.0	103.00

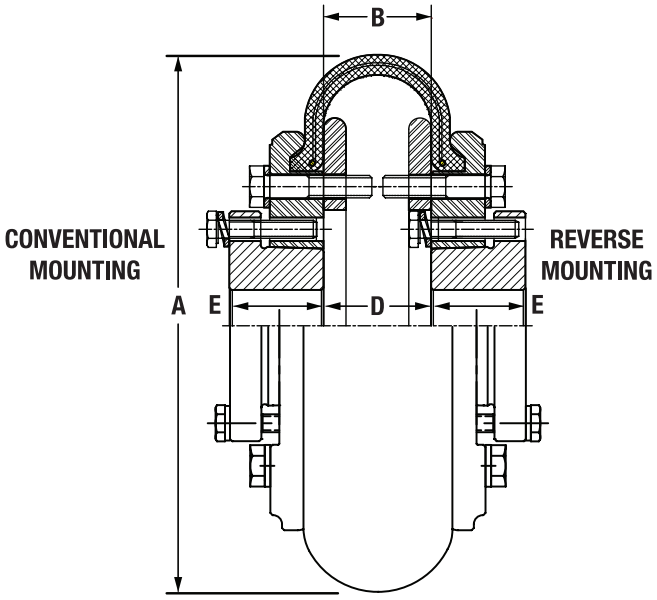
Notes:

(1) Weight of complete coupling with bushings.

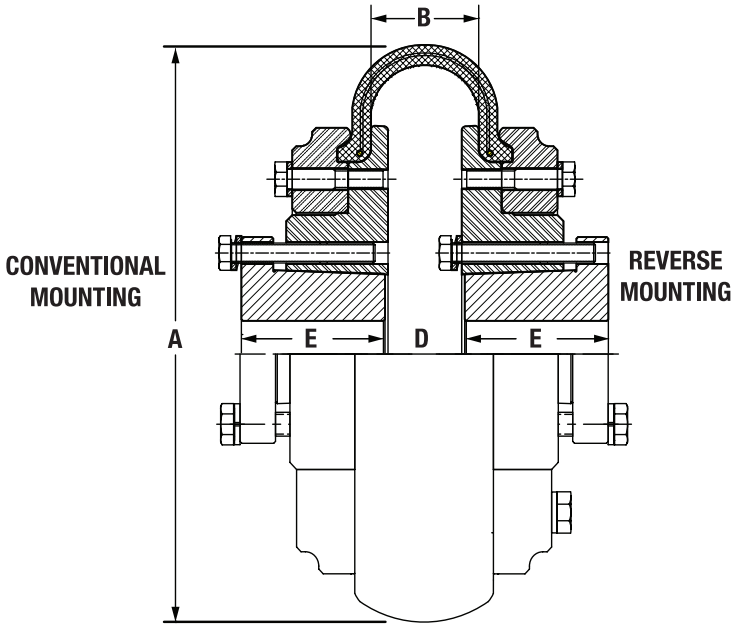
(2) Inertia of complete coupling with bushing.

SELECTION/DIMENSIONS

Standard, QD Bushed



PX50-120QD FLANGE ASSY



PX140-200QD FLANGE ASSY

Para-Flex QD Part Numbers

Size	PXQD Flanges		Elements		
	Description	Part No.	Standard	Neoprene (1)	Cordless (2)
PX50	PX50QD FLANGE ASSEMBLY	013210	011105	011296	011285
PX60	PX60QD FLANGE ASSEMBLY	013211	011106	011297	011286
PX70	PX70QD FLANGE ASSEMBLY	013212	011107	011298	011287
PX80	PX80QD FLANGE ASSEMBLY	013213	011108	011299	011288
PX90	PX90QD FLANGE ASSEMBLY	013214	011109	011300	011289
PX100	PX100QD FLANGE ASSEMBLY	013215	011110	011301	011290
PX110	PX110QD FLANGE ASSEMBLY	013216	011111	011302	–
PX120	PX120QD FLANGE ASSEMBLY	013217	011112	011303	011292
PX140	PX140QD FLANGE ASSEMBLY	013218	011114	011304	–
PX160	PX160QD FLANGE ASSEMBLY	013219	011117	011305	–
PX200	PX200QD FLANGE ASSEMBLY	013220	011120	011306	–

Complete Para-Flex QD coupling consists of one element, two flanges, and two QD bushings.

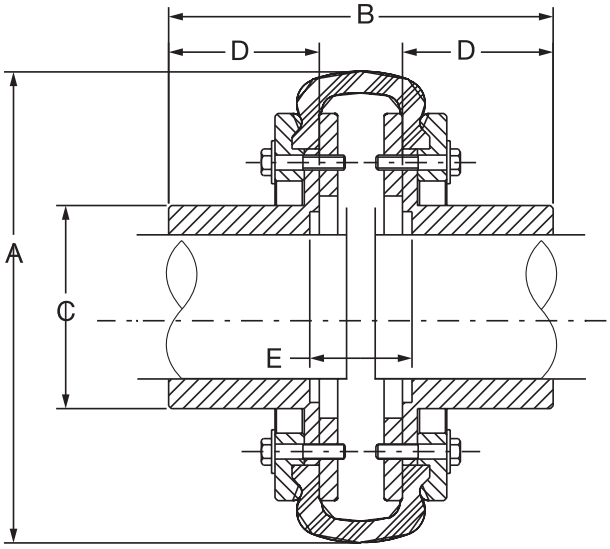
Notes:

(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

SELECTION/DIMENSIONS

Bored to Size, Type BBS



PX60 Thru PX320 Type BBS Couplings

Coupling Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM	A	B	C	D	E	Weight (1) (Lbs.)	Inertia (2) (Lb-Ft²)
PX60BBS	none	1-1/2	2.86	1,800	4000	6.50	4.28	2.38	1.50	1.28	8.8	.21
PX70BBS	none	2-1/8	3.49	2,200	3600	7.38	5.00	2.94	1.75	1.50	12.8	.32
PX80BBS	none	2-9/16	5.72	3,605	3100	8.38	5.50	3.69	2.00	1.50	18.4	.79
PX90BBS	none	2-3/4	7.15	4,502	2800	9.25	6.03	4.13	2.25	1.53	25.6	1.4
PX100BBS	none	3-1/4	8.58	5,402	2600	10.00	6.97	4.94	2.63	1.72	36.4	2.5
PX110BBS	none	3-15/16	12.30	7,750	2300	11.00	7.56	5.44	3.00	1.56	47.3	4.2
PX120BBS	none	4	20.00	12,605	2100	12.38	8.25	5.81	3.25	1.75	68.4	7.0
PX140BBS	2-1/4	4-1/2	44.00	27,590	1840	14.13	9.81	7.00	3.88	2.44	127.2	16.4
PX160BBS	2-1/2	6	60.00	37,800	1560	16.63	12.94	8.50	5.13	3.06	210.8	39.6
PX200BBS	2-7/8	6-3/4	131.00	82,500	1300	20.00	15.56	9.38	6.13	3.75	333.5	76.9
PX240BBS	4	7-1/2	240.00	151,200	1080	24.13	14.16	10.00	5.13	4.34	481.0	188.1
PX280BBS	4-7/16	9	480.00	302,200	910	28.50	18.47	12.00	7.13	4.66	802.0	440.8
PX320BBS	5-1/2	11	719.00	453,000	810	32.50	20.75	14.00	8.13	4.94	1074.0	709.6

(1) Weight of complete coupling at maximum bore

(2) Inertia of complete coupling at maximum bore

SELECTION/DIMENSIONS

Bored to Size, Type BBS

PX60BBS - PX320BBS Part Numbers

Coupling Size	BS Flange Assemblies Rough Bore	Standard Element
PX60BBS	**010300**	**011106**
PX70BBS	**010301**	**011107**
PX80BBS	**010302**	**011108**
PX90BBS	**010303**	**011109**
PX100BBS	**010304**	**011110**
PX110BBS	**010305**	**011111**
PX120BBS	**010306**	**011112**
PX140BBS	**010530**	**011114**
PX160BBS	**010531**	**011117**
PX200BBS	**010532**	**011120**
PX240BBS	**010533**	**011124**
PX280BBS	**010528**	**011457**
PX320BBS	**010529**	**011463**

Unless otherwise specified, Size 60-120 BBS flanges are clearance fit per AGMA 9002. Size 140-320 BBS flanges are interference fit per AGMA 9002.
See page __ for additional details.

Complete coupling consists of: (2) BS Flange Assemblies and (1) Element.

PARA-FLEX Elements - Part Numbers

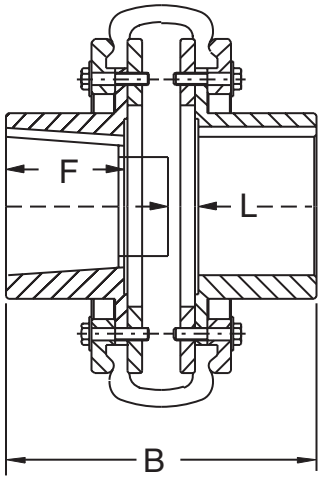
Element Size	Standard Part No.	Neoprene (1) Part No.	Cordless (2) Part No.	Weight (Lbs)
PX40	**011529**	**012455**	**012456**	0.3
PX50	**011105**	**011296**	**011285**	0.7
PX60	**011106**	**011297**	**011286**	1.2
PX70	**011107**	**011298**	**011287**	1.6
PX80	**011108**	**011299**	**011288**	2.2
PX90	**011109**	**011300**	**011289**	2.6
PX100	**011110**	**011301**	**011290**	2.5
PX110	**011111**	**011302**	---	3.0
PX120	**011112**	**011303**	**011292**	4.8
PX140	**011114**	**011304**	---	5.6
PX160	**011117**	**011305**	---	9.1
PX200	**011120**	**011306**	---	20.8
PX240	**011124**	**011312**	---	27.0
PX280	**011457**	**011313**	---	45.0
PX320	**011463**	**011315**	---	80.0

(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

SELECTION/DIMENSIONS

Mill Motor, Type TBS



Size	For Mill Motor Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM	B	F	L	Weight(1) (Lbs.)	Inertia(2) (Lb-Ft²)
PX60TBS	602,802*	none	1-1/2	2.86	1,800	4000	5.78	3.00	0.34	10.1	0.21
PX70TBS	603 802B,802C	none	2-1/8	3.49	2,200	3600	6.75 6.25	3.50 3.00	0.50 0.56	16.1	0.32
PX80TBS	603,803 604804	none	2-9/16	5.72	3,605	3100	7.00 7.00	3.50 3.50	0.50 0.50	23.2	0.79
PX90TBS	804	none	2-3/4	7.15	4,502	2800	7.28	3.50	0.53	29.9	1.4
PX100TBS	804	none	3-1/4	8.58	5,402	2600	7.84	3.50	0.72	44.4	2.5
PX110TBS	606,806 608	none	3-15/16	12.30	7,750	2300	8.56 9.06	4.00 4.50	0.59 0.16	62.3	4.2
PX120TBS	608,806 608,808	none	4	20.00	12,605	2100	9.00 9.50	4.00 4.50	0.63 0.50	81.4	7.0
PX140TBS	808 610-810 612	2-1/4	4-1/2	44.00	27,590	1840	10.63 10.63 11.06	4.69 4.69 5.13	1.19 1.06 0.94	136.2	16.4
PX160TBS	810 612-812 614	2-1/2	6	60.00	37,800	1560	12.50 12.94 12.94	4.69 5.13 5.13	1.69 1.56 1.44	227.8	39.6
PX200TBS	812 614-814 616-816 618-818	2-7/8	6-3/4	131.00	82,500	1300	14.63 14.63 15.13 15.56	5.19 5.19 5.69 6.13	2.19 2.06 1.94 2.38	344.5	76.9
PX240TBS	818 620	4	7-1/2	240.00	151,200	1080	15.22 15.91	6.19 6.88	2.97 2.53	519	188.1
PX280TBS	622 624	5-1/4	9	480.00	302,200	910	18.78 20.78	7.44 9.44	2.22 2.22	836	440.8

◆ Refer to page PT1-24 for additional envelope information

* 1-1/4" per foot taper on diameter

Mill Motor, Type TBS

PX60 - PX280 TBS Part Numbers

Coupling Size	For Mill Motor Size	TBS Flange Assembly	Standard Element	BS Flange Assembly
PX60TBS	602,802*	010471	011106	See Page PT1-30
PX70TBS	603 802B,802C	010472 010473	011107	
PX80TBS	603,803 604,804	010474	011108	
PX90TBS	804	010475	011109	
PX100TBS	804	010476	011110	
PX110TBS	606,806 608	010477 010478	011111	
PX120TBS	606,806 608,808	010479 010480	011112	
PX140TBS	608,808 610,810 612,812	008980 008981 008982	011114	
PX160TBS	610,810 612,812 614	008983 008984 008985	011117	
PX200TBS	612,812 614,814 616,816 618,818	008986 008987 008988 008989	011120	
PX240TBS	818 620	008990 008991	011124	
PX280TBS	622 624	008992 008993	011457	

Coupling Size	TBS Flange Assy Rough Bore
PX60TBS	010510
PX70TBS	010511
PX80TBS	010512
PX90TBS	010513
PX100TBS	010514
PX110TBS	010515
PX120TBS	010516
PX140TBS	010524
PX160TBS	010531
PX200TBS	010532
PX240TBS	010525
PX280TBS	010526

Complete coupling consists of:

(1) TS Flange Assembly,

(1) BS Flange Assembly, and

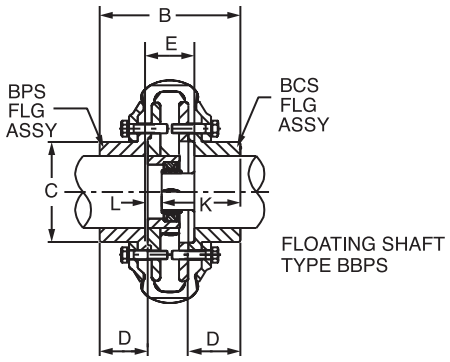
(1) Element

*** Key furnished for shallow keyways.**

+ Part numbers are finished bore flanges to fit mill motor sizes listed.

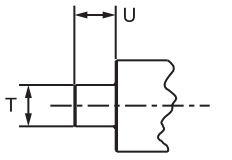
SELECTION/DIMENSIONS

Floating Shaft, Type BBPS



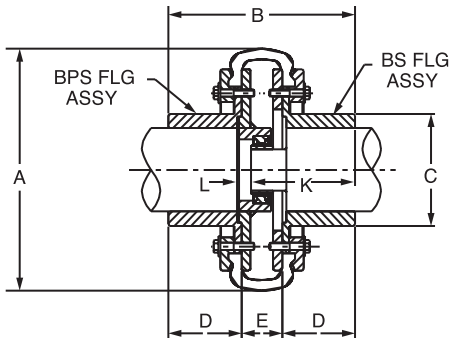
FLOATING SHAFT TYPE BBPS

PX60 -120 BBPS



FLOATING SHAFT DETAIL

FLOATING SHAFT TYPE BBPS



PX140-320 BBPS

Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max RPM	A	B	C	D	E	K	L	T	U	Weight (Lbs)	Inertia (Lb-Ft²)
PX60BBPS	none	1-1/2	2.86	1,800	4000	6.50	4.28	2.38	1.50	1.78	2.45	0.58	.624/.6225	1.28	9.8	0.21
PX70BBPS	none	2-1/8	3.49	2,200	3600	7.38	5.00	2.94	1.75	2.06	3.05	0.48	.999/.9975	1.58	14.6	0.32
PX80BBPS	none	2-9/16	5.72	3,605	3100	8.38	5.50	3.69	2.00	2.00	3.30	0.45	.999/.9975	1.58	26.9	0.79
PX90BBPS	none	2-3/4	7.15	4,502	2800	9.25	6.03	4.13	2.25	2.09	3.67	0.39	1.249/1.2475	1.70	29.0	1.4
PX100BBPS	none	3-1/4	5.85	5,402	2600	10.00	6.97	4.94	2.63	2.16	4.13	0.44	1.249/1.2475	1.72	40.1	2.5
PX110BBPS	none	3-15/16	12.30	7,750	2300	11.00	7.56	5.44	3.00	2.06	4.44	0.38	1.249/1.2475	1.69	51.0	4.2
PX120BBPS	none	4	20	12,605	2100	12.38	8.25	5.81	3.25	2.44	4.89	0.45	1.499/1.497	1.98	75.7	7.0
PX140BBPS	2-1/4	4-1/2	44	27,590	1840	14.13	9.19	7.00	3.88	2.44	5.69	0.44	1.499/1.497	2.00	140.2	16.4
PX160BBPS	2-1/2	6	60	37,800	1560	16.63	12.94	8.50	5.13	3.06	7.25	0.75	1.499/1.497	2.94	230.8	39.6
PX200BBPS	2-7/8	6-3/4	131	82,500	1300	20.00	15.56	9.38	6.13	3.69	8.78	0.84	1.999/1.997	2.84	364.5	76.9
PX240BBPS	4	7-1/2	240	151,200	1080	24.13	14.16	10.00	5.13	4.28	8.06	1.16	1.999/1.997	3.12	529.0	188.1
PX280BBPS	4-7/16	9	480	302,200	910	28.50	18.47	12.00	7.13	4.59	10.22	1.31	1.999/1.997	3.28	877.0	440.8
PX320BBPS	5-1/2	11	719	453,000	810	32.50	20.75	14.00	8.13	4.88	11.38	1.44	1.999/1.997	3.44	1181.0	709.6

PX60BBPS - PX320BBPS Part Numbers

Coupling Size	BCS Flange Assembly	BPS Flange Assembly	Standard Element
PX60BBPS	**010658**	**010657**	**011106**
PX70BBPS	**010660**	**010659**	**011107**
PX80BBPS	**010189**	**010190**	**011108**
PX90BBPS	**010191**	**010192**	**011109**
PX100BBPS	**010193**	**010194**	**011110**
PX110BBPS	**010599**	**010598**	**011111**
PX120BBPS	**010195**	**010196**	**011112**

Coupling Size	BS Flange Assembly	BPS Flange Assembly	Standard Element
PX140BBPS	**010530**	**011714**	**011114**
PX160BBPS	**010531**	**011715**	**011117**
PX200BBPS	**010532**	**011716**	**011120**
PX240BBPS	**010533**	**011717**	**011124**
PX280BBPS	**010528**	**011718**	**011457**
PX320BBPS	**010529**	**011719**	**011463**

Complete coupling consists of:
(1) BCS or BS Flange Assembly (depending on size of coupling),
(1) BPS Flange Assembly, and
(1) Element.

BCS Flange Assembly consists of:
1. External Clamp Ring
2. Internal Clamp Ring
3. BCS Flange

BPS Flange Assembly consists of:
1. External Clamp Ring
2. Piloted Internal Clamp Ring
   a. Includes floating shaft bearing assembly
3. BS Flange

FEATURES/BENEFITS

PARA-FLEX High Speed and Flywheel Couplings

HIGH SPEED TYPE

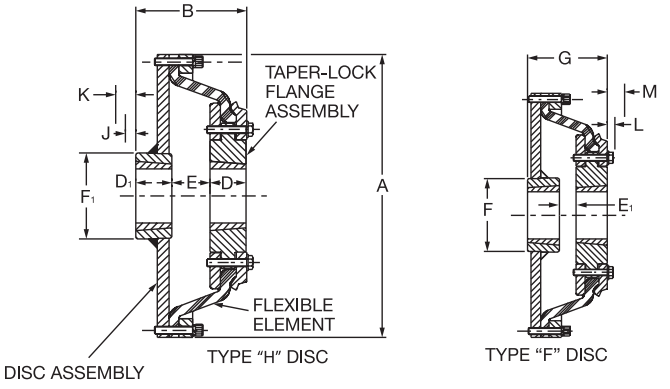
- Compensates for misalignment
- Cushions thrust loads
- Absorbs vibration and shock
- Prolongs bearing life
- Available in TAPER-LOCK and bored to sizes

FLYWHEEL TYPE

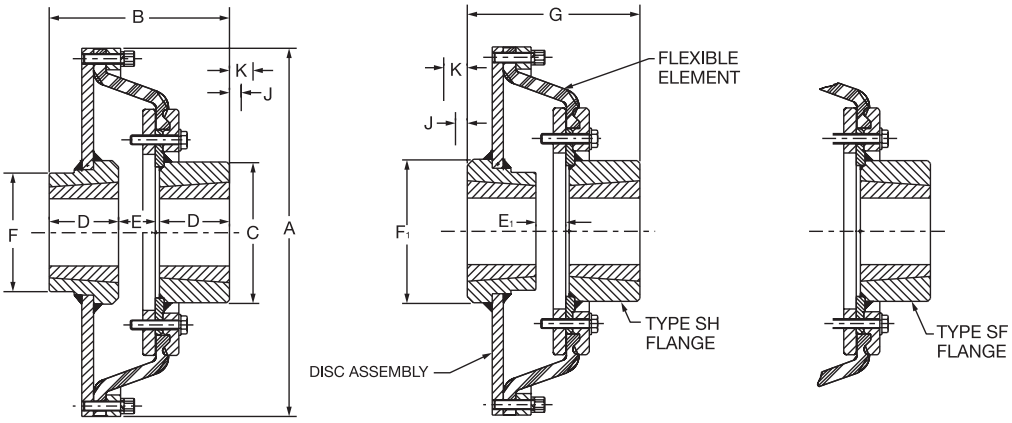
- Specifically designed to connect the flexible element to standard SAE flywheel bolt patterns
- Available in TAPER-LOCK and bored to configurations

SELECTION/DIMENSIONS

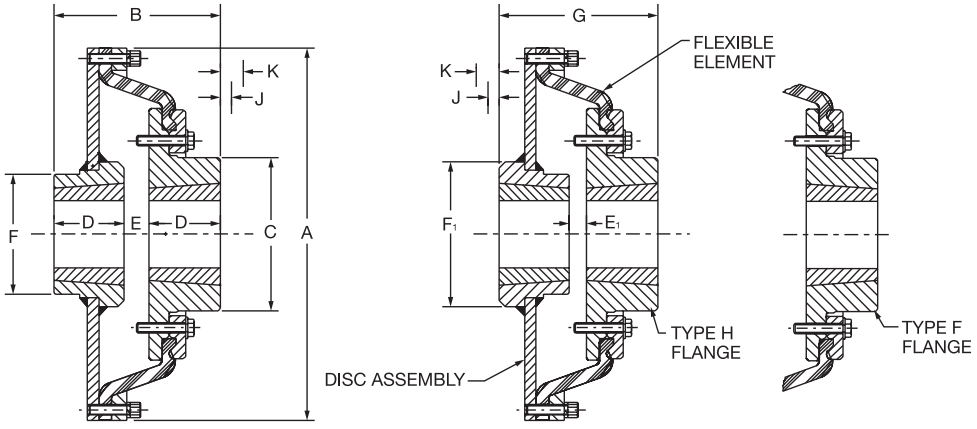
High Speed, TAPER-LOCK



PH87 THRU PH131



PH172 thru PH252 STEEL FLANGE ASSEMBLY



PH172 & PH192 IRON FLANGE ASSEMBLY

SELECTION/DIMENSIONS

High Speed, TAPER-LOCK

Coupling Size	Bushing Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM		Weight (Lbs)		Inertia (Lb-Ft²)	
						Gray Iron Flange	Steel Flange	Iron Flg	Steel Flg	Iron Flg	Steel Flg
PH87	+	1/2	+	3.0	1890	6000	.....	19.5	.....	1.32	.....
PH96	*	1/2	*	4.5	2835	5230	.....	27.2	.....	2.44	.....
PH116	2517	1/2	2-11/16	7.1	4470	4050	.....	40.8	.....	4.92	.....
PH131	2517	1/2	2-11/16	9.5	5985	3750	.....	59.7	.....	8.87	.....
PH172	3535	1-3/16	3-15/16	23.0	14490	1860	2800	138.2	128.5	31.74	29.98
PH192	4040	1-7/16	4-7/16	47.0	29610	1620	2430	219.6	219.6	51.09	50.37
PH213	4545	1-15/16	4-15/16	90.0	56700	.....	2130	.....	291.2	102.3	90.22
PH252	5050	2-7/16	5-5/16	135.0	85050	.....	1945	.....	389.9	144.1	133.7

Coupling Size	A	B		C		D	D¹	E	
		Iron Flg	Steel Flg	Iron Flg	Steel Flg			Iron Flg	Steel Flg
PH87	9.44	3.53	.....	.....	.....	1.00	1.75	0.81	.....
PH96	10.31	4.30	.....	.....	.....	1.25	1.75	1.33	.....
PH116	12.31	4.44	.....	.....	.....	1.75	1.75	1.14	.....
PH131	13.81	5.45	.....	.....	.....	1.75	1.75	1.95	.....
PH172	18.31	8.06	8.97	7.50	7.00	3.50	.....	1.06	1.88
PH192	20.31	9.31	10.25	8.63	8.50	4.00	.....	1.31	2.25
PH213	22.50	.....	11.31	.....	8.75	4.50	.....	.....	2.31
PH252	26.50	.....	14.31	.....	9.50	5.00	.....	.....	4.31

Coupling Size	E¹		F	F1	G		J★	K†	L★	M†
	Iron Flg	Steel Flg			Iron Flg	Steel Flg				
PH87	0.50	.....	4.12	4.19	3.28	.....	1.00	1.63	0.81	1.06
PH96	0.45	.....	4.12	4.19	3.42	.....	1.00	1.63	0.94	1.38
PH116	0.33	.....	4.12	4.19	3.63	.....	1.00	1.63	1.00	1.63
PH131	0.77	.....	4.12	4.19	4.27	.....	1.00	1.63	1.00	1.63
PH172	0.63	1.44	6.25	7.12	7.62	8.53	1.31	2.69	.....	.....
PH192	0.38	1.31	7.75	8.62	8.38	9.31	1.63	3.38	.....	.....
PH213	.....	1.44	8.75	9.75	.....	10.44	1.94	4.06	.....	.....
PH252	.....	2.94	9.50	10.88	.....	12.94	2.31	4.81	.....	.....

★ Space required to tighten bushing with shortened hex key or to loosen screws to permit removal of the hub by a puller

† Space required to loosen bushing with the shortened hex key using screws as hack screws - no puller required.

PH87 - PH252 Part Numbers

Coupling Size	TAPER-LOCK Flange						Disc Assembly	High Speed Element	Bushing Size
	Std Flange	Flange Size	Iron Flange		Steel Flange				
			Type H	Type F	Type SH	Type SF			
PH87	010603	PX70	.....	.....	.....	.....	011307	011227	+
PH96	010604	PX80					011308	011228	*
PH116	010606	PX100	.....	.....	.....	.....	011310	011230	2517
PH131	010607	PX110					011311	011231	2517
PH172	.....	PX140	011134	011154	010290	010294	011314	011234	3535
PH192		PX160	011137	011157	010291	010295	011316	011236	4040
PH213	.....	PX190	.....	.....	010292	010296	011319	011239	4545
PH252		PX220			010293	010297	011322	011242	5050

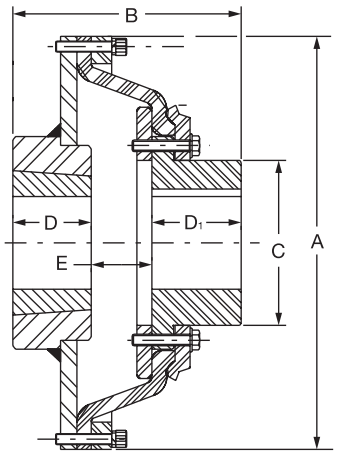
\+ Flange assembly uses a 1610 bushing with 1-11/16 max. bore
Disc assembly uses a 2517 bushing with 2-11/16 max. bore

* Flange assembly uses a 2012 bushing with 2-1/8 max. bore
Disc assembly uses a 2517 bushing with 2-11/16 max. bore

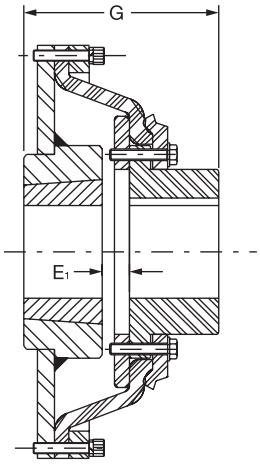
Complete coupling consists of:
(1) TAPER-LOCK Flange Assembly, (1) TAPER-LOCK Disc Assembly, & (1) High speed Element.
TAPER-LOCK bushings must be ordered separately. Refer to bushing section PT6-16.

SELECTION/DIMENSIONS

High Speed, Bored to Size

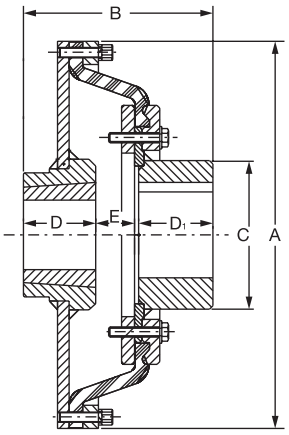


TYPE "H" DISC

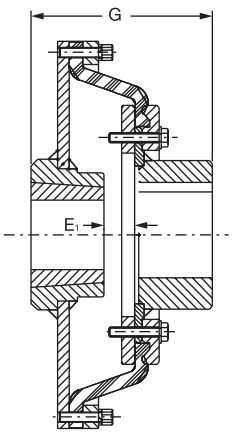


TYPE "F" DISC

SIZE PH87 - 131



TYPE "F" DISC



TYPE "H" DISC

SIZE PH172 - 252

Coupling Size	BS Flange Assembly		TAPER-LOCK Disc Assembly		A	B	C	D	D1	E	E1	G	Weight (Lbs)	Inertia (Lb-Ft²)
	Min Bore	Max Bore	Min Bore	Max Bore										
PH87B	none	2-1/8	1/2	2-11/16	9.44	4.59	2.94	1.75	1.75	1.09	0.81	4.31	20.1	1.33
PH96B	none	2-9/16	1/2	2-11/16	10.31	5.44	3.69	1.75	2.00	1.69	0.81	4.56	28.0	2.47
PH116B	none	3-1/4	1/2	2-11/16	12.31	6.13	4.94	1.75	2.63	1.75	0.97	5.31	42.8	5.31
PH131B	none	3-15/16	1/2	2-11/16	13.81	7.25	5.44	1.75	3.00	2.50	1.31	6.06	60.1	9.08
PH172B	2-1/4	4-1/2	1-3/16	3-15/16	18.31	9.06	7.00	3.50	3.88	1.88	1.44	8.63	135.2	30.98
PH192B	2-1/2	6	1-7/16	4-7/16	20.31	11.19	8.50	4.00	5.13	2.25	1.31	10.25	220.6	54.27
PH213B	2-1/2	6-1/4	1-15/16	4-15/16	22.50	11.31	8.75	4.50	4.69	2.31	1.44	10.44	289.2	91.62
PH252B	2-7/8	6-7/8	2-7/16	5-5/16	26.50	14.31	9.50	5.00	5.19	4.31	2.94	12.94	379.9	135.9

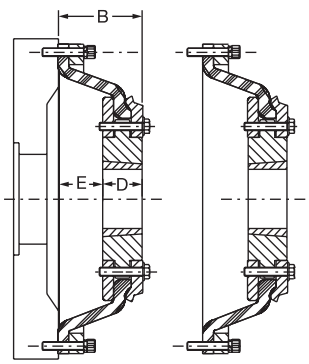
Coupling Size	BS Flange Assembly	TAPER-LOCK Disc Assembly	TAPER-LOCK Bushing Size	High Speed Element
PH87B	**010301**	**011307**	2517	**011227**
PH96B	**010302**	**011308**	2517	**011228**
PH116B	**010304**	**011310**	2517	**011230**
PH131B	**010305**	**011311**	2517	**011231**
PH172B	**010530**	**011314**	3535	**011234**
PH192B	**010531**	**011316**	4040	**011236**
PH213B	**010508**	**011319**	4545	**011239**
PH252B	**010509**	**011322**	5050	**011242**

Complete coupling consists of: (1) BS Flange Assembly, (1) TAPER-LOCK Disc Assembly, (1) High Speed Element, and (1) TAPER-LOCK Bushing. TAPER-LOCK bushings must be ordered separately. Refer to bushing section PT6-16.

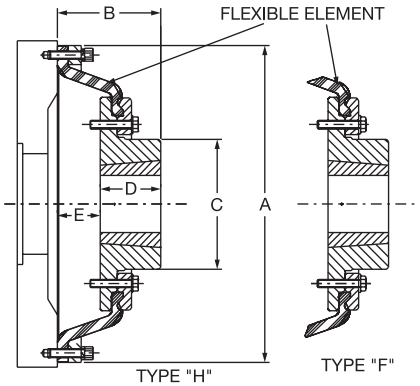
Unless otherwise specified, Size 60-120 BS flanges are clearance fit per AGMA 9002. Size 140-320 BS flanges are interference fit per AGMA 9002. See page __ for additional details.

SELECTION/DIMENSIONS

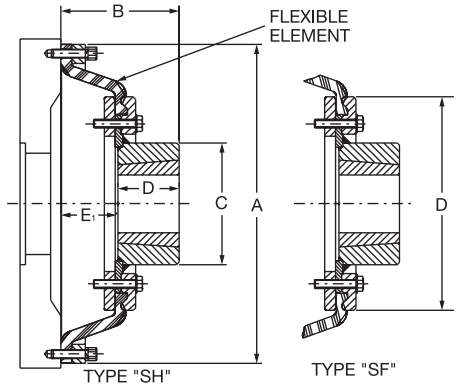
Flywheel, TAPER-LOCK



SIZES PF87-PF131



IRON FLANGE AND CLAMP RING SIZES PF172-PF192



STEEL FLANGE AND CLAMP RING SIZES PF172-PF252

Coupling Size	Bushing Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM		A	B	
						Gray Iron Flange	Steel Flange		Iron Flg.	Steel Flg.
PF87	1610	1/2	1-11/16	3.00	1890	6000	6000	9.44	2.69	.....
PF96	2012	1/2	2-1/8	4.50	2835	5230	5230	10.31	2.83	.....
PF116	2517	1/2	2-11/16	7.10	4470	4050	4050	12.31	3.14	.....
PF131	2517	1/2	2-11/16	9.50	5985	3750	3750	13.81	3.70	.....
PF172	3535	1-3/16	3-15/16	23.00	14490	1860	2800	18.31	5.81	6.72
PF192	4040	1-7/16	4-7/16	47.00	29610	1620	2430	20.31	6.56	7.50
PF213	4545	1-15/16	4-15/16	90.00	56700	.....	2130	22.50	.....	9.00
PF252	5050	2-7/16	5-5/16	135.00	85050	.....	1945	26.50	.....	10.81

Coupling Size	Bushing Size	C		D	E	E1	Weight (Lbs) Less Bushing		Inertia ($Lb\text{-}Ft^2$)	
		Iron Flg.	Steel Flg.				Iron Flgs	Steel Flgs	Iron Flgs	Steel Flgs
PF87	1610	.....	.....	1.00	1.34	....	9.9	.....	0.6	.....
PF96	2012	.....	.....	1.25	1.58	....	13.5	.....	1.05	.....
PF116	2517	.....	.....	1.75	1.39	....	22.3	.....	2.35	.....
PF131	2517	.....	.....	1.75	1.95	....	33.3	.....	4.35	.....
PF172	3535	7.50	7.00	3.50	2.31	3.12	87.2	77.5	17.49	15.73
PF192	4040	8.63	8.50	4.00	2.56	3.50	128.6	128.6	28.84	28.12
PF213	4545	.....	8.75	4.50	-	4.50	221.2	190.2	74.47	64.36
PF252	5050	.....	9.50	5.00	-	5.81	297.9	260.9	121.79	111.38

PF87 THRU PF252 Part Numbers

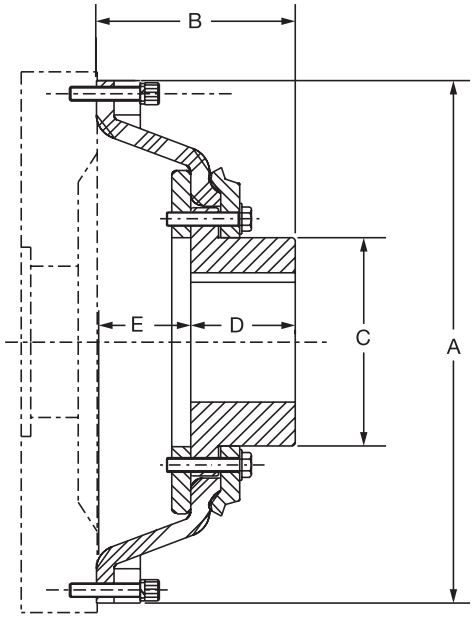
Coupling Size	TAPER-LOCK Flange					Bolt Ring Assembly	High Speed Element	T-L Bushing Size
	Std Flange	Iron Flange		Steel Flange				
		Type H	Type F	Type SH	Type SF			
PF87	**010603**	**.....**	**.....**	**.....**	**.....**	**011247**	**011227**	1610
PF96	**010604**	**.....**	**.....**	**.....**	**.....**	**011248**	**011228**	2012
PF116	**010606**	**.....**	**.....**	**.....**	**.....**	**011250**	**011230**	2517
PF131	**010607**	**.....**	**.....**	**.....**	**.....**	**011251**	**011231**	2517
PF172	**.....**	**011134**	**011154**	**010290**	**010294**	**011254**	**011234**	3535
PF192	**.....**	**011137**	**011157**	**010291**	**010295**	**011256**	**011236**	4040
PF213	**.....**	**.....**	**.....**	**010292**	**010296**	**011259**	**011239**	4545
PF252	**.....**	**.....**	**.....**	**010293**	**010297**	**011262**	**011242**	5050

Complete coupling consists of: (1) TAPER-LOCK Flange Assembly (as selected), (1) Bolt Ring Assembly, (1) High Speed Element, and (1) TAPER-LOCK Bushing. TAPER-LOCK Bushings must be ordered separately.

See page PT1-34 for Flywheel & Power Take Off housing information. Refer to bushing section PT6-16.

SELECTION/DIMENSIONS

Flywheel, Bored to Size



PF87B THRU PF252B Bored-To-Size Flywheel Couplings

Coupling Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM Steel Flg	A	B	C	D	E	Weight (Lbs)	Inertia (Lb-Ft²)
PF87B	none	2-1/8	3.0	1890	6000	9.44	3.38	2.94	1.75	1.63	10.5	0.61
PF96B	none	2-9/16	4.5	2835	5230	10.31	3.94	3.69	2.00	1.94	14.3	1.08
PF116B	none	3-1/4	7.1	4470	4050	12.31	4.68	4.94	2.63	2.00	24.3	2.47
PF131B	none	3-15/16	9.5	5980	3750	13.81	5.50	5.44	3.00	2.50	33.7	4.56
PF172B	2-1/4	4-1/2	23.0	14490	2800	18.31	6.81	7.00	3.88	3.13	84.2	16.73
PF192B	2-1/2	6	47.0	29610	2430	20.31	8.44	8.50	5.13	3.50	129.6	32.02
PF213B	2-1/2	6-1/4	90.0	56700	2130	22.50	9.00	8.75	4.69	4.50	188.2	65.76
PF252B	2-7/8	6-7/8	135.0	85050	1945	26.50	10.81	9.50	5.19	5.81	250.9	113.58

PF87 - PF252B Part Numbers

Coupling Size	BS Flange Assembly	Bolt Ring Assembly	High Speed Element
PF87B	**010301**	**011247**	**011227**
PF96B	**010302**	**011248**	**011228**
PF116B	**010304**	**011250**	**011230**
PF131B	**010305**	**011251**	**011231**
PF172B	**010530**	**011254**	**011234**
PF192B	**010531**	**011256**	**011236**
PF213B	**010508**	**011259**	**011239**
PF252B	**010509**	**011262**	**011242**

Complete coupling consists of: (1) BS Flange Assembly, (1) Bolt Ring Assembly, and (1) High Speed Element.

Unless otherwise specified, Size 60-120 BS flanges are clearance fit per AGMA 9002. Size 140-320 BS flanges are interference fit per AGMA 9002.

See page __ for additional details.

SAE Power Take Off & Flywheel Info.

Coupling Size	Fits Within These SAE Power Take-Off Housings	SAE Flywheel		
		Bolt Circle Diam.	Tapped Holes	
			No.	Size
PF87	6,5	8-3/4	8	5/16-18
PF96	4,3	9-5/8	6	3/8-16
PF116	4,3,2,1	11-5/8	8	3/8-16
PF131	3,2,1,0	13-1/8	8	3/8-16
PF172	0	17-1/4	8	1/2-13
PF192	0	19-1/4	8	1/2-13
PF213	0	21-3/8	6	5/8-11
PF252	0	25-1/4	12	5/8-11

FEATURES/BENEFITS

D-FLEX Couplings

FLEXIBLE SOLUTIONS LOW COST TYPE J COUPLINGS OFFERED IN FOUR SIZES

- Features zinc die-cast flanges that are bored to size
- Accommodates applications through 10 HP at 1750 RPM
- Available with EPDM or Neoprene sleeves
- Shaft attachment with two setscrews at 65º

TYPE S COUPLINGS FEATURE AGMA 9 BALANCED FLANGES OFF THE SHELF

- High-strength, cast iron flanges that are finished bored for AGMA clearance fit
- Ionized powder coated flanges for superior corrosion protection
- Available with EPDM, Neoprene or Hytel★ sleeves
- Shaft attachment with two setscrews at 65º

TYPE B COUPLINGS OFFERED WITH STANDARD QD† BUSHING SHAFT ATTACHMENT

- Constructed from high-strength cast iron
- Available with EPDM or Neoprene sleeves

TYPE SC SPACER COUPLINGS SATISFY STANDARD SPACING REQUIREMENTS FOR PUMP APPLICATIONS

- Accommodates ANSI and ISO standard between shaft end dimensions, with custom spacer dimensions available on demand
- Features AGMA 9 balanced flanges & drop-out center for easy equipment maintenance
- Available with EPDM, Neoprene or Hytrel sleeves
- Uses H & HS shaft hubs that are bored to size for slip fit or offered with plain bore for reboring
- Shaft attachment with two setscrews at 65º
- Shaft hub flats are used for holding shafts stationary while loosening or tightening grade 8 bolts

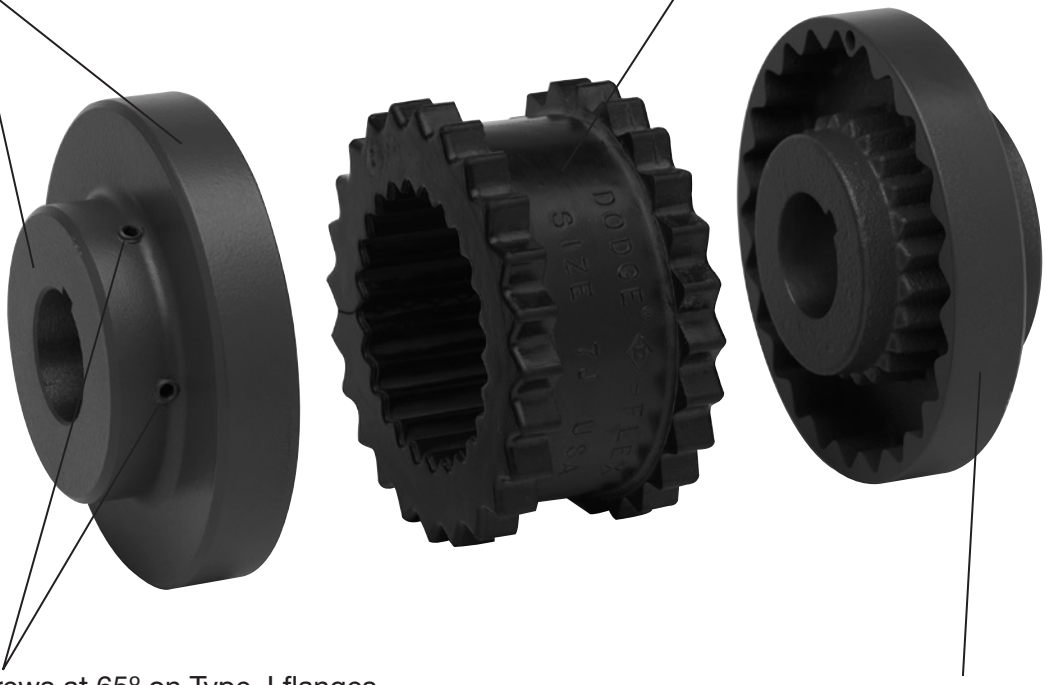
★ Registered trademark of DuPont

† QD is a registered trademark of Emerson Electric Co.

FEATURES/BENEFITS

D-FLEX Couplings

ADDED VALUE



ATEX Approved

- All documents and markings included with standard product

INTERCHANGEABLE COMPONENTS MAKES INSTALLATION QUICK AND EASY

- Interchangeable with other elastomeric sleeve couplings
- Slides into position for snug fit

NO LUBRICATION ASSURES TROUBLE-FREE OPERATION

- No metal-to-metal contact
- Provides clean, quiet, trouble-free performance

NOTE: All instruction manuals for D-FLEX Coupling and QD and TL Bushings available on www.dodgeindustrial.com

D-FLEX

SPECIFICATION

D-FLEX Couplings employ a molded, non-lubricated elastomeric flexing sleeve loaded in shear. The flexible sleeve shall be of EPDM, Neoprene, or Hytrel. The compound of EPDM shall be suitable for operation in ambient temperature from -30°F to +275°F, Neoprene 0°F to +200°F, and Hytrel -65°F to +250°F. Both EPDM and Neoprene sleeves shall have torsional flexing capability of 15° and accommodate 1° of angular misalignment. Hytrel sleeves, suitable to transmit four times the power of EPDM or Neoprene, has torsional flexing capability of 7° and 1/4° of angular misalignment.

The flexible sleeve is connected with external and internal gear teeth that engage with mating teeth in each flange. The coupling assemblies have optional methods of attachment to the shaft including but not limited to: clearance fit or QD Bushings. Clearance fits are supplied with an industry standard keyway and two set screws, one over the key and one at 65°.

Spacer Couplings consist of two hubs and a center assembly consisting of two spacer spacer flanges and one flexible element. The center assembly is easily removable removable to facilitate maintenance on pumps or other connected equipment and must be replaceable without disturbing the coupled equipment and without realignment.

D-Flex couplings utilizing EPDM and Neoprene elements are static conductive.

HOW TO ORDER

Standard couplings consist of:
- (2) Flange Assemblies
- (1) Flexible Sleeve

Spacer Couplings consist of:
- (2) Shaft Hubs
- (2) Spacer Flanges
- (1) Flexible Sleeve

NOMENCLATURE

6 JE / 2 - 6J X 7/8

SIZE

SLEEVE

(JE, JES, E, JN, JNS, N, H, HS)

FLANGE QTY.

FLANGE SIZE AND TYPE

(J, S, B, SC-H)

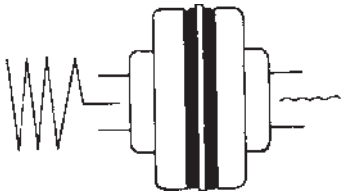
FLANGE BORE

For selection method, please refer to page PT1-83

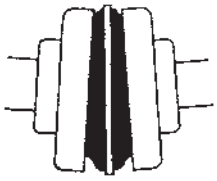
SELECTION/DIMENSIONS

D-FLEX Couplings

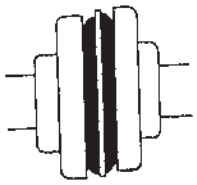
FOUR-WAY FLEXING ACTION HANDLES SHOCK, VIBRATION & MISALIGNMENT



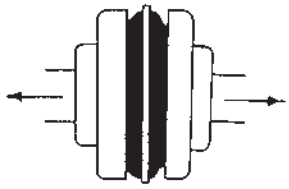
TORSIONAL
Absorbs torsional shock, dampens torsional vibrations



ANGULAR
Allows for angular misalignment



PARALLEL
Minimizes bearing loads, absorbs parallel misalignment with less wear and energy loss



AXIAL
Allows for shaft end-float

D-FLEX Coupling Sleeves

	EPDM Rubber	Neoprene	Hytrel(1)
One-Piece Solid Construction	JE	JN	H
One-Piece Split Construction	JES	JNS	-
Two-Piece Construction	E	N	HS
Sizes Offered	3 - 10 JE, JES 4 - 16 E	3 - 10 JN, JNS 4 - 14 N	6 - 12 H, HS
Temperature Range	-30°F to +275°F	0°F to +200°F	-65°F to +250°F
Max Angular	1°	1°	1/4°
Max Parallel(2)	.010" - .062"	.010" -.062"	.010" -.035"
Axial End-Float(2)(3)	.03" -.125"	.03" -.125"	.06" -.125"
Torsional Flexibility	15° Wind Up	15° Wind Up	7° Wind Up
Application Use	General	Good Oil Resistance	Downsizing For Use Of Smaller Couplings

(1) Do not use with J or B flanges or as a replacement for other sleeves

(2) Depends on coupling size.

(3) Increase the E dimension by this amount to accommodate end float.

D-FLEX Couplings

D-FLEX Coupling Sleeves - Part Numbers

Coupling Size	EPDM			Neoprene			Hytrel	
	JE	JES	E	JN	JNS	N	H	HS
3	004208	004242		004209	004243			
4	004210	004244	022190	004211	004245	022211		
5	004212	004246	022191	004213	004247	022212		
6	004214	004248	022192	004215	004249	022213	022183	022232
7	004216	004250	022193	004217	004251	022214	022184	022233
8	004218	004252	022194	004219	004253	022215	022185	022234
9	004220	004254	022195			022216	022186	022235
10	004222	004256	022196			022217	022187	022236
11			022197			022218	022188	022237
12			022198			022219	022189	022238
13			021990			021993		022239
14			021991			021994		425730
16			021992					

D-FLEX Flange/Sleeve Compatibility

Flange Style	EPDM		Neoprene		Hytrel	
	JE/JES 1 Piece	E 2 Piece	JN/JNS 1 Piece	N 2 Piece	H 1 Piece	HS 2 Piece
Type J	√	√	√	√		
Type S	√	√	√	√	√	√
Type B Bushed	√	√	√	√		
SC Spacer	√	√	√	√	√	√

D-FLEX Section/Ratings Data

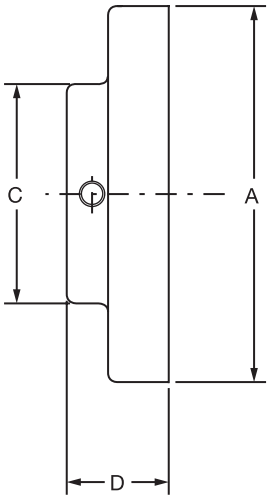
Element Size	Max. Bore				Max RPM	EPDM & Neoprene		Hytrel	
	Straight Bore			Bushed		HP/100	Rated Torque (In-Lbs)	HP/100	Rated Torque (In-Lbs)
	Type J	Type S	Type SC	Type B					
3	7/8	-	-	-	9200	0.10	60	-	-
4	1	-	-	-	7600	0.19	120	-	-
5	1-1/8	1-1/4	1-1/8	-	7600	0.38	240	-	-
6	1-3/8	1-7/8	1-3/8	1-3/16	6000	0.71	450	2.90	1,800
7	-	1-7/8	1-5/8	1-3/16	5250	1.20	725	4.60	2,875
8	-	2-3/8	1-7/8	1-5/8	4500	1.80	1,135	7.20	4,530
9	-	2-7/8	2-1/8	1-15/16	3750	2.80	1,800	11.40	7,200
10	-	3-3/8	2-3/8	2-1/2	3600	4.60	2,875	18.00	11,350
11	-	3-7/8	2-7/8	2-13/16	3600	7.20	4,530	28.60	18,000
12	-	3-15/16	2-7/8	3-1/2	2800	11.40	7,200	50.00	31,500
13	-	4-1/2	3-3/8	3-15/16	2400	18.00	11,350	75.00	47,268
14	-	5	3-7/8	3-15/16	2200	28.60	18,000	115.00	72,480
16	-	6	-	4-1/2	1500	75.00	47,250	-	-

FEATURES/BENEFITS PAGE PT1-23	SPECIFICATION/HOW TO ORDER PAGE PT1-26	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

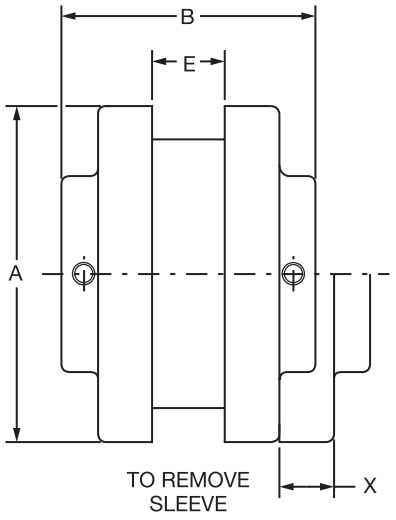
SELECTION/DIMENSIONS

D-FLEX Couplings

TYPE "J" COUPLING DIMENSIONS



TYPE "J" FLANGE



TYPE "J" COUPLING

Dimensions

Coupling Size	Min. Bore	Max. Bore	HP/100	EPDM/ Neoprene Torque (in.-lbs.)	Max. RPM	A	B	C	D	E	X	Weight (lbs.)	Inertia (lbs ft²)
3J	3/8	7/8	0.10	60	9200	2.06	2.00	1.50	0.81	0.38	0.56	0.03	
4J	1/2	1	0.19	120	7600	2.46	2.38	1.63	0.88	0.63	0.75	0.04	
5J	1/2	1-1/8	0.38	240	7600	3.25	2.88	1.88	1.06	0.75	0.97	0.09	
6J	5/8	1-3/8	0.71	450	6000	4.00	3.31	2.50	1.22	0.88	1.09	1.20	

6J Minimum bore - 5/8"

Part Numbers

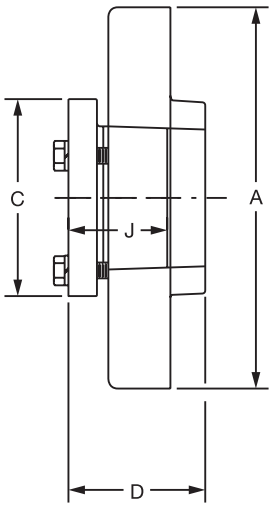
Bore (in.)	Coupling Flange			
	3J	4J	5J	6J
3/8	022700			
1/2	022701	022708	022714	
5/8	022702	022709	022715	022721
3/4	022703	022710	022716	022722
7/8	022704	022711	022717	022723
15/16		022712	022718	022724
1		022713	022719	022725
1-1/8			022720	022726
1-3/16				022727
1-1/4				022728
1-3/8				022729

Unless otherwise specified, all Type-J flanges are clearance fit per AGMA 9002.
See page 101 for additional details.

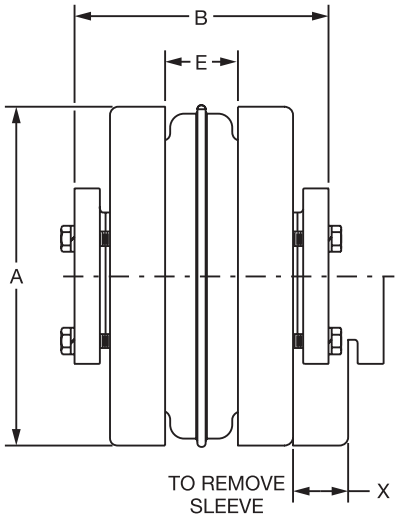
Complete coupling consists of (2) J flanges, and (1) sleeve (from page PT1-39).

D-FLEX Couplings

TYPE "B" QD BUSHED COUPLING DIMENSIONS



TYPE "B" FLANGE



TYPE "B" COUPLING

Dimensions

Coupling Size	Bushing Type	Min. Bore	Max. Bore#	HP/100	EPDM/ Neoprene Torque (in.-lbs.)	Max. RPM	A	B	C	D	E	J	X	Weight (lbs.)+		Inertia (lbs ft²)
														Flange	Bushing	
6B	JA	1/2	1-3/16	0.71	450	6000	4.00	3.31	2.00	1.53	0.88	1.00	1.09	1.30	0.40	
7B	JA	1/2	1-3/16	1.20	725	5250	4.63	3.44	2.00	1.59	1.00	1.00	1.31	1.90	0.40	
8B	SH	1/2	1-5/8	1.80	1135	4500	5.45	4.06	2.63	1.84	1.13	1.31	1.50	2.90	0.90	
9B	SD	1/2	1-15/16	2.80	1800	3750	6.35	4.63	3.19	2.19	1.44	1.81	1.75	4.80	1.60	
10B	SK	1/2	2-1/2	4.60	2875	3600	7.50	5.63	3.88	1.84	1.63	1.94	2.00	7.80	2.70	
11B	SF	1/2	2-15/16	7.20	4530	3600	8.63	6.56	4.63	2.13	1.88	2.00	2.38	12.00	3.80	
12B	E	7/8	3-1/2	11.40	7200	2800	10.00	7.94	6.00	2.69	2.31	2.75	2.69	18.00	9.00	
13B	F	1	3-15/16	18.00	11350	2400	11.75	9.31	6.63	3.69	2.69	3.75	3.00	31.20	14.00	
14B	F	1	3-15/16	28.60	18000	2200	13.88	10.44	6.63	3.69	3.25	3.75	3.50	51.40	14.00	
16B	J	1-1/2	4-1/2	75.00	47250	1500	18.88	13.25	7.25	4.75	4.75	4.63	4.50	120.00	21.00	

Max bore with shallow key

+ Approximate weight for each flange; average weight for each bushing

Part Numbers

	6B	7B	8B	9B	10B	11B	12B
Part No.	022501	022502	022503	022504	022505	022506	022507

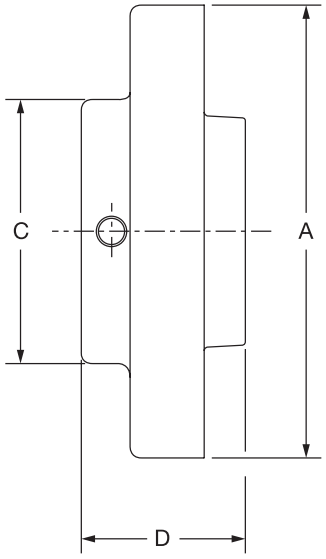
	13B	14B	16B
Part No.	022508	022509	022510

Complete coupling consists of (2) B flanges, (1) sleeve and (2) QD Bushings. QD Bushings must be ordered separately (from page PT6-16).

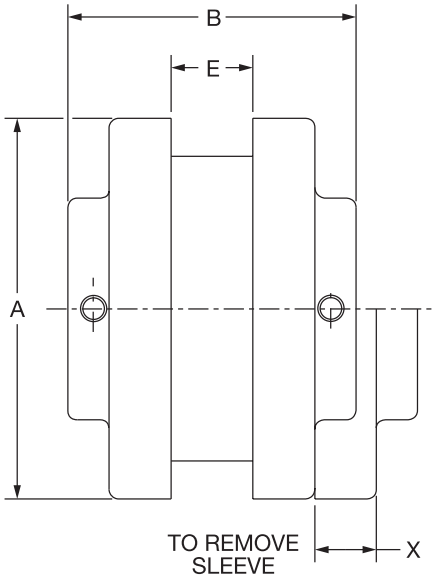
SELECTION/DIMENSIONS

D-FLEX Couplings

TYPE "S" COUPLING DIMENSIONS



TYPE "S" FLANGE



TYPE "S" COUPLING

Dimensions

Coupling Size	Min. Bore	Max. Bore#	HP/100*	Torque* (in.-lbs.)	Max. RPM	A	B	C	D	E	X	Weight (lbs.)
5S	1/2	1-1/4	0.38	240	7600	3.25	2.81	1.88	1.34	0.75	0.97	1.1
6S	1/2	1-1/2							1.63			1.9
6S	1-9/16	1-3/4	0.71	450	6000	4	3.5	2.81	1.31	0.88	1.09	1.8
6S	1-13/16	1-7/8							1.31			1.8
7S	1/2	1-7/8	1.2	725	5250	4.63	3.94	2.81	1.84	1	1.31	2.6
8S	1/2	2-1/8	1.8	1135	4500	5.45	4.44	3.25	2.09	1.13	1.5	4.4
8S	2-3/16	2-3/8							1.66			3.7
9S	7/8	2-1/2	2.8	1800	3750	6.35	5.06	4.13	2.41	1.44	1.75	6.5
9S	2-9/16	2-7/8							1.81			6.2
10S	1-1/8	2-7/8	4.6	2875	3600	7.5	5.69	4.75	2.72	1.63	2	10.5
10S	2-15/16	3-3/8							2.03			9.8
11S	1-1/4	2-1/8							3.44			18.1
11S	2-3/16	2-3/4	7.2	4530	3600	8.63	7.13	5.63	3.44	1.88	2.38	17.9
11S	2-13/16	3-3/8							3.44			16.6
11S	3-7/16	3-7/8							2.63			16.4
12S	1-1/2	2-1/8										27.8
12S	2-3/16	2-7/8	11.4	7200	2800	10	8.25	5.75	4	2.31	2.69	27.5
12S	2-15/16	3-15/16										26.6
13S	2" Reb.	4-1/2	18	11350	2400	11.75	9.25	6.75	4.38	2.69	3.06	45.2
14S	2" Reb.	5	28.6	18000	2200	13.88	9.88	7.5	4.5	3.25	3.5	69.1
16S	2" Reb.	6	75	47250	1500	18.88	14.25	8	6	4.75	4.25	125.3

Max bore with shallow keyway. For max bore with standard keyway, see page PT1-43

* Ratings based on EPDM & Neoprene. For Hytrel ratings, see page PT1-39

D-FLEX Couplings

Type "S" Coupling Flange - Part Numbers

Bore (in.)	Coupling Flange Size										
	5S	6S	7S	8S	9S	10S	11S	12S	13S	14S	16S
Reborable	004976	004977	004978	004979	004980	004981	004982	004983	004993	004994	004995
Finished Bore Flanges											
1/2	004498										
5/8	004500	004511	004534								
3/4	004502	004513	004536	004559							
7/8	004504	004515	004538	004561	004586						
15/16	004505	004516	004539	004562	004587						
1	004506	004517	004540	004563	004588						
1-1/8	004508	004519	004542	004565	004590	004619					
1-3/16	* 004509	004520	004543	004566	004591	004620					
1-1/4	† 004510	004521	004544	004567	004592	004621	004656				
1-5/16		004522	004545	004568	004593	004622	004657				
1-3/8		004523	004546	004569	004594	004623	004658				
1-7/16		* 004524	004547	004570	004595	004624	004659				
1-1/2		† 004525	004548	004571	004596	004625	004660	004696			
1-5/8		004527	* 004550	004573	004598	004627	004662	004698			
1-11/16		004528	004551	004574	004599	004628	004663	004699			
1-3/4		004529	004552	004575	004600	004629	004664	004700			
1-7/8		004531	† 004554	004577	004602	004631	004666	004702			
1-15/16				004578	004603	004632	004667	004703			
2				004579	004604	004633	004668	004704			
2-1/8				† 004581	004606	004635	004670	004706			
2-3/16				004582	004607	004636	004671	004707			
2-1/4				004583	004608	004637	004672	004708			
2-3/8				004585	* 004610	004639	004674	004710	004996		
2-7/16					004611	004640	004675	004711			
2-1/2					† 004612	004641	004676	004712			
2-5/8					004614	004643	004678	004714			
2-11/16					004615	004644	004679	004715			
2-3/4					004616	* 004645	004680	004716			
2-7/8					004618	† 004647	004682	004718	004997	004998	
2-15/16						004648	004683	004719			
3						004649	004684	004720			
3-1/8						004651	004686	004722			
3-1/4						004653	004688	004724			
3-5/16						004654	004689	004725			
3-3/8						004655	*† 004690	004726			
3-7/16							004691	004727			
3-1/2							004692	004728			
3-5/8							004693	004730			
3-11/16								004731			
3-3/4							004694	004732			
3-7/8							004695	*† 004734			
3-15/16								004735			

Unless otherwise specific, all Type-S flanges are clearance fit per AGMA 9002. See page 101 for additional details.

† Max bore for reborable flanges.

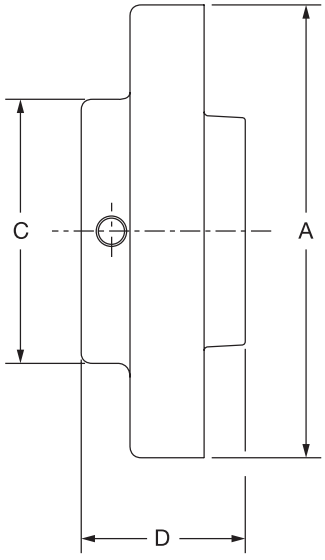
Complete coupling consists of (2) S flanges and (1) sleeve (from page PT1-39).

***Max bore with std. square keyway. Larger bores have rectangular keyways & keys supplied.**

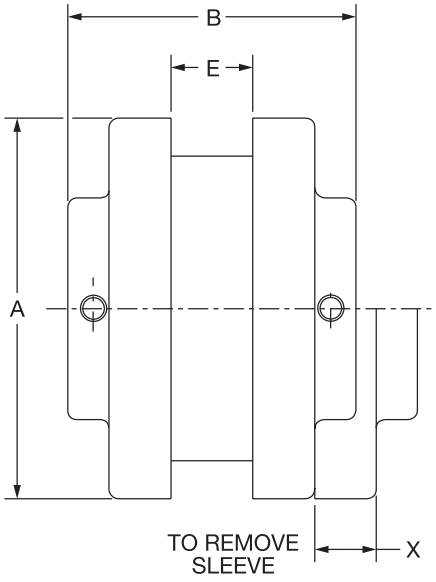
SELECTION/DIMENSIONS

D-FLEX Couplings

TYPE “S” COUPLING DIMENSIONS - METRIC



TYPE “S” FLANGE



TYPE “S” COUPLING

Dimensions

Coupling Size	Min. Bore (mm)	Max. Bore #	Watts/100*	Torque* (N-m)	Max. RPM	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	X (mm)	Mass (kg)
5S	12.7	30	283	27.1	7600	82.6	71.4	48	34	19	25	0.5
6S	12.7	38	530	51	6000	101.6	89	71	41	22	28	0.9
7S	12.7	42	895	82	5250	117.6	100	71	47	25	33	1.2
8S	12.7	50	1343	128	4500	138.4	113	83	53	29	38	2.0
9S	22.2	60	2089	203	3750	161.3	129	92	61	37	44	2.9
10S	28.0	70	3432	325	3600	190.5	145	111	69	41	51	4.8
11S	30.0	95	5371	512	3600	219.2	181	143	87	48	60	8.2
12S	38.0	100	8504	814	2800	254.0	210	146	102	59	68	12.6
13S	50.8	114	13428	1282	2400	298.5	235	171	111	68	78	20.5
14S	50.8	127	21336	2034	2200	352.6	251	191	114	83	89	31.3
16S	50.8	140	55950	5339	1500	479.6	362	203	152	121	108	56.8

Max bore with shallow keyway. For max bore with standard keyway, see page PT1-43

* Ratings based on EPDM & Neoprene. For Hytrel ratings, see page PT1-39

D-FLEX Couplings

Type “S” Coupling Flange - Part Numbers - Metric

Bore (mm)	Coupling Flange Size							
	5S	6S	7S	8S	9S	10S	11S	12S
14mm	004856	004865	004878	004893	004911			
16mm	004857	004866	004879	004894	004912			
18mm	004858	004867	004880	004895	004913			
19mm	004859	004868	004881	004896	004914			
20mm	004860	004869	004882	004897	004915			
22mm	004861	004870	004883	004898	004916			
24mm	004862	004871	004884	004899	004917			
25mm	004863	004872	004885	004900	004918			
28mm	004864	004873	004886	004901	004919	004928		
30mm		004874	004887	004902	004920	004929	004942	
32mm		004875	004888	004903	004921	004930	004943	
35mm		004876	004889	004904	004922	004931	004944	
38mm			004890	004905	004923	004932	004945	004960
40mm			004891	004906	004924	004933	004946	004961
42mm			004892	004907	004925	004934	004947	004962
45mm				004908	004926	004935	004948	004963
48mm				004909	004927	004936	004949	004964
50mm				004910		004937	004950	004965
55mm						004938	004951	004966
60mm						004939	004952	004967
65mm						004940	004953	004968
70mm						004941	004954	004969
75mm							004955	004970
80mm							004956	004971
85mm							004957	004972
90mm							004958	004973
95mm							004959	004974
100mm								004975

Complete coupling consists of (2) S flanges and (1) sleeve (from page PT1-39).

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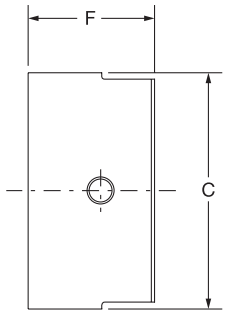
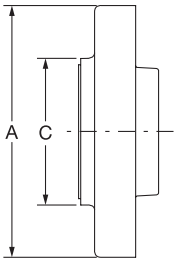
SELECTION/DIMENSIONS

D-FLEX Couplings

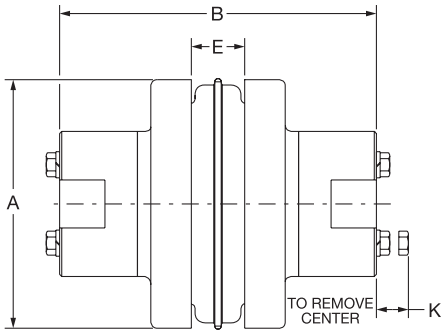
TYPE "SC" COUPLING DIMENSIONS



SHAFT HUB



SPACER FLANGE



COMPLETE SPACER COUPLING

Dimensions (1)

Cplg. Size	BSE	Flange Number	Shaft Hub H	Shaft Hub HS	Max. Bore (2) H	Max. Bore (2) HS	A	(3) B	C	E	F H	F HS	K	Wt. (4) (lbs.)
5SC	3.50	5SC35	5H	-	1-1/8	-	3.25	5.63	2.00	0.75	1.09	-	0.56	4.50
6SC	3.50	6SC35	6H	---	1-3/8	-	4.00	5.88	2.50	0.88	1.22	-	0.75	7.30
	4.38	6SC44	6H		1-3/8	-		6.75	2.50		1.22			8.10
	5.00	6SC50	6H		1-3/8	-		7.88	2.50		1.22			8.70
7SC	3.50	7SC35	7H	---	1-5/8	-	4.63	6.38	2.81	1.00	1.47	-	0.63	9.90
	4.38	7SC44	7H		1-5/8	-		7.25	2.81		1.47			10.80
	5.00	7SC50	7H		1-5/8	-		7.88	2.81		1.47			11.40
8SC	3.50	8SC35	8H	-	1-7/8	-	5.45	6.88	3.25	1.13	1.72		0.81	15.20
	3.50	8SC35-10	10H	10HS	2-3/8	1-5/8		9.13	4.38		2.34		0.81	23.20
	4.38	8SC44	8H	-	1-7/8	-		7.75	3.25		1.72	1.66	0.81	16.40
	5.00	8SC50	8H	-	1-7/8	-		8.38	3.25		1.72	1.33	1.19	17.40
	5.00	8SC50-10	10H	10HS	2-3/8	1-5/8		9.63	4.38		2.34		1.19	27.20
9SC	3.50	9SC35	9H	9HS	2-1/8	1-1/2	6.35	7.50	3.63	1.44	1.97	1.53	1.06	18.60
	4.38	9SC44	9H	9HS	2-1/8	1-1/2		8.25	3.63		1.97	1.53	1.06	22.20
	5.00	9SC50	9H	9HS	2-1/8	1-1/2		8.88	3.63		1.97	1.53	1.06	23.20
	5.00	9SC50-11	11H	11HS	2-7/8	1-7/8		10.38	5.25		2.72	1.91	1.19	40.40
	7.00	9SC70-11	11H	11HS	2-7/8	1-7/8		12.38	5.25		2.72	1.91	1.19	48.20
	7.75	9SC78-11	11H	11HS	2-7/8	1-7/8		13.13	5.25		2.72	1.91	1.19	51.00
10SC	4.75	10SC48	10H	10HS	2-3/8	1-5/8	7.50	9.38	4.38	1.63	2.34	1.66	1.19	37.60
	5.00	10SC50	10H	10HS	2-3/8	1-5/8		9.63	4.38		2.34	1.66	1.19	38.40
	7.00	10SC70-13	13H	13HS	3-3/8	2-1/2		13.63	6.13		3.34	2.47	1.88	72.00
	7.75	10SC78-13	13H	13HS	3-3/8	2-1/2		14.63	6.13		3.34	2.47	1.88	76.00
	10.00	10SC100-13	13H	13HS	3-3/8	2-1/2		16.63	6.13		3.34	2.47	1.88	88.00
11SC	4.75	11SC48	11H	11HS	2-7/8	1-7/8	8.63	10.31	5.25	1.88	2.72	1.91	1.19	54.50
	5.00	11SC50	11H	11HS	2-7/8	1-7/8		10.38	5.25		2.72		1.19	54.70
	7.00	11SC70-14	14H	-	3-7/8	-		14.38	6.50		3.84		2.00	86.10
	7.75	11SC78-14	14H	-	3-7/8	-		15.38	6.50		3.84		2.00	90.30
	10.00	11SC100-14	14H	-	3-7/8	-		17.63	6.50		3.84		2.00	102.70
12SC	7.00	12SC70	12H	12HS	2-7/8	2-1/2	10.00	12.88	5.75	2.31	2.97	2.53	1.50	88.10
	7.00	12SC70-14	14H	-	3-7/8	-		14.63	6.50		3.84		2.00	99.10
	7.75	12SC78	12H	12HS	2-7/8	2-1/2		13.63	5.75		2.97		1.50	91.90
	7.75	12SC78-14	14H	-	3-7/8	-		14.38	6.50		3.84		2.00	103.30
	10.00	12SC100-14	14H	-	3-7/8	-		17.63	6.50		3.84		2.00	115.70
13SC	7.75	13SC78	13H	13HS	3-3/8	2-1/2	11.75	14.38	6.13	2.69	3.34	2.47	1.88	129.60
14SC	7.75	14SC78	14H	-	3-7/8	-	13.88	15.38	6.50	3.25	3.84	-	2.00	179.90

(1) Ratings (HP/100, Torque, RPM) same as Type S. See page PT1-42.

(2) Check shaft hub table on next page for minimum Bore.

(3) B dimension included H hubs. Dimension will change if one or two HS (short hubs) are used.

(4) Complete coupling weight at MAX bore.

DODGE

D-FLEX Couplings

Type "SC" Couplings - Spacer Flange Part Numbers

BSE (in.)	Coupling Size						
	5SC	6SC	7SC	8SC	8SC-10	9SC	9SC-11
3.50	• 022000	• 022001	• 022004	• 022007	• 022775	• 022010	
4.38		• 022002	• 022005	• 022008		• 022011	
5.00		• 022003	• 022006	• 022009	• 022776	• 022012	• 022777
7.00							• 022778
7.75							• 022779

BSE (in.)	Coupling Size							
	10SC	10SC-13	11SC	11SC-14	12SC	12SC-14	13SC	14SC
4.75	• 022013		• 022015					
5.00	• 022014		• 022016					
7.00		022780		022783	• 022017	022786		
7.75		022781		022784	• 022018	022787	021997	021998
10.00		022782		022785		022788		

• Stock flanges

Spacer Shaft Hub Part Numbers

Bore (in.)	Coupling Size									
	5H	6H	7H	8H	9H	10H	11H	12H	13H	14H
Reborable Finished Bore Hubs	• 022220	• 022221	• 022222	• 022223	• 022224	• 022225	• 022226	• 022227	022228	
1/2	022329									
5/8	• 022331	022340	022353							
11/16	022332	022341	022354							
3/4	• 022333	• 022342	022355	022368						
7/8	• 022335	• 022344	• 022357	022370	022387					
15/16	022336	022345	022358	022371	022388					
1	• 022337	• 022346	• 022359	• 022372	022389					
1-1/8	• 022339	• 022348	• 022361	• 022374	022391	022409	0022452			
1-1/8 (1)					• 022392(1)	• 022410(1)	022453(1)			
1-3/16		022349	022362	022375	022393	022411	022454			
1-1/4		• 022350	022363	022376	022394	022412	022455			
1-5/16		022351	022364	022377	022395	022413	022456			
1-3/8		022352	• 022365	• 022378	• 022396	022414	022457			
1-7/16				022379	022397	022415	022458			
1-1/2			• 022366	• 022380	• 022398	022416	022459			
1-9/16				022381	022399	022417	022460			
1-5/8			• 022367	• 022382	• 022400	• 022418	022461			
1-5/8 (1)							022462(1)			
1-3/4				• 022384	• 022402	022420	022464			
1-7/8				• 022386	• 022404	• 022428	• 022466	022483		
1-15/16					022405	022429	022467	022484		
2					022406	022430	022468	022485		
2-1/8					• 022408	• 022432	• 022470	022487	022813(1)	
2-3/16						022433	022471	022488		
2-1/4						022434	022472	022489		
2-5/16						022435	022473	022490		
2-3/8						• 022436	• 022474	022491	022810	• 022815
2-3/8(1)								022492(1)	022814(1)	
2-7/16							022475	022493		
2-1/2							022476	022494		
2-5/8							022478	022496		
2-11/16							022479	022497		
2-3/4							022480	022498		
2-7/8							• 022482	022500	022811	022816
3-3/8									022812	022817
3-7/8										022818

• Stock hub assembles (1) HS (Short Hub)

Complete coupling consists of (2) shaft hubs, (2) spacer flanges, and (1) sleeve (from page PT1-39)

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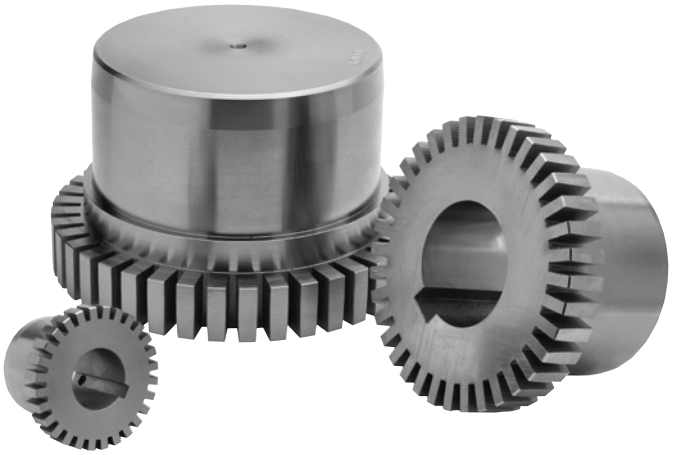
FEATURES/BENEFITS

GRID-LIGN



The basic GRID-LIGN coupling consists of two steel shaft hubs, a high strength spring steel tapered grid element, two seals and a cover assembly. Misalignment and end float are accommodated by the sliding action of the grid in the lubricated hub grooves.

Standard GRID-LIGN couplings operate reliably between -22° and +215°F. They can accept angular misalignment to 1/2°, parallel misalignment to.012", and end float to .375". Speed capability goes as high as 6000 RPM.

GRID-LIGN couplings can be mounted with TAPER-LOCK bushings on shafts from 1/2" to 3-15/16". Straight bore hubs go up to 13" bore.

Flexible Tapered Element

- Isolates vibration, cushions shock loads
- Allows uniform contact during light, normal and shock loading conditions
- Lengthens machine life
- Constructed from tempered spring steel for long life

High Torque Capability

- Torque ranges from 464 to 1,650,000 in. lbs.
- Steel components allow for compact size

Interchangeability

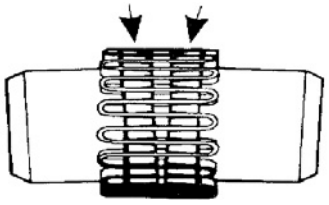
- Stock GRID-LIGN coupling configurations include the standard full-flex design in vertically or horizontally split covers, half spacers and full spacers
- Interchangeable with other tapered grid style couplings

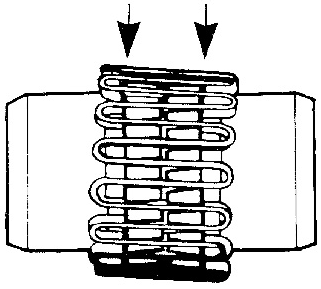
FEATURES/BENEFITS

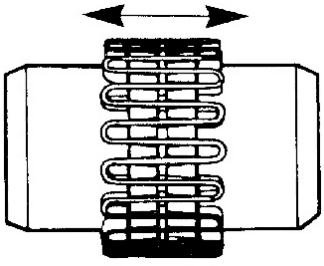
GRID-LIGN

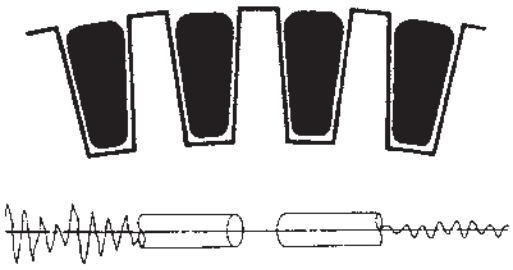
STYLE, SIZES AND RATINGS CHART

Coupling Styles	Number of Sizes	Maximum Ratings		
		Bore	Torque	Speed
T10 Standard Coupling H Cover	19	13.0"	1,650,000	6000
T20 Standard Coupling V Cover	10	5.0"	75,000	6000
T31 Full Spacer	8	4.25"	30,000	3600
T35 Half Spacer	8	4.25"	30,000	3600









TAPERED GRID DESIGN

- Tapered grid element, combined with the contoured hub grooves, transmit torque efficiency while accommodating misalignment and cushioning shock loads
- Grid element made from high strength steel that is quenched and tempered for long life

SPECIFICATION/HOW TO ORDER/NOMENCLATURE

DODGE

GRID-LIGN

SPECIFICATION

GRID-LIGN Couplings are tapered grid style with hubs, grids and covers which are interchangeable with other industry standard tapered grid couplings. Grid hubs are machined steel, protected with an anti-rust coating. Hubs have optional methods of attachment to the shaft including but not limited to: clearance fit, interference fit or TAPER-LOCK bushings. Clearance fits and interference fits are supplied with an industry standard keyway. Clearance fits are supplied with two set screws, one over the key and one at 65°. The grid element is made of high strength spring steel, heat treated and shot peened to enhance strength and durability.

The coupling is designed and manufactured such that the grid member can be replaced without disturbing the connected equipment and without the requirement for realignment. All Grid-Lign Couplings are fitted with covers to retain lubrication and prevent the entry of abrasives and contaminants. Covers are of a two piece design to facilitate installation and are available as axial split or radial split. DODGE will provide recommendations for types and amounts of lubricant suitable for operation in ambient temperatures from -22°F to +215°F.

Spacer Couplings consist of two shaft hubs and a center assembly consisting of two spacer hubs, one grid and cover. The center assembly is readily removable to facilitate maintenance on pumps or other connected equipment. The center assembly must be replaceable without disturbing the coupled equipment and without realignment.

NOTE: Instruction manuals for all Dodge products available at www.dodgeindustrial.com

GRID-LIGN

HOW TO ORDER

Standard couplings consist of:

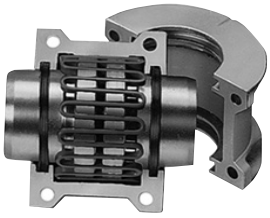
(2) Shaft Hubs
(1) Grid & Cover Assembly (T10 or T20)

Spacer couplings consists of:

T31 Spacer
(2) "T" Shaft Hubs
(2) Spacer Hubs
(1) T10 Grid & Cover Assembly

T35 Half Spacer
(1)Shaft Hub
(1) Spacer Hub
(1) "T" Shaft Hub
(1) T10 Grid & Cover Assembly

NOMENCLATURE



1020 **T10**

Size

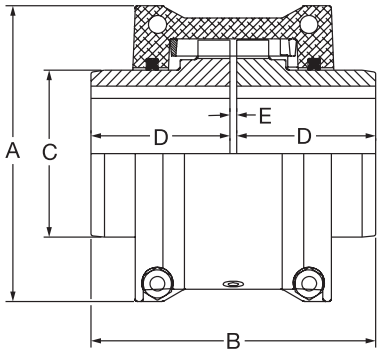
Coupling Type

T10 = Horizontal Split Cover
T20 = Vertical Split Cover
T31 = Full Spacer
T35 = Half Spacer

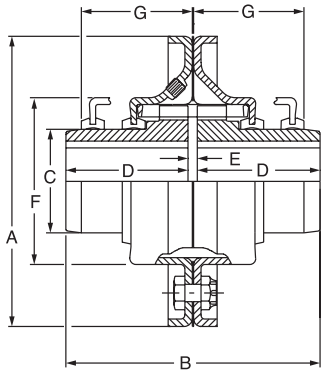
SELECTION/DIMENSIONS

GRID-LIGN

RATINGS AND DIMENSIONS FOR COUPLING SIZES 1020T - 1140T



TYPE T10



TYPE T20

Coupling Size	Straight Bore			TAPER-LOCK		HP/100		TORQUE		Max. RPM	
	Min. Bore	Maximum Bore		Min. Bore	Max. Bore	Str. Hub	T-L Hub	Str. Hub (In-Lbs)	T-L Hub (In-Lbs)		
		Sq. Key	Rec. Key							T10	T20
1020T	0	1-1/8	1-3/16	N/A	N/A	0.74	-	464	-	4500	6000
1030T	0	1-3/8	1-7/16	1/2	1-1/8	2.09	1.9	1320	1200	4500	6000
1040T	0	1-5/8	1-3/4	1/2	1-1/8	3.49	2.1	2200	1300	4500	6000
1050T	0	1-7/8	2	1/2	1-1/4	6.11	5.6	3850	3500	4500	6000
1060T	0	2-1/8	2-1/4	1/2	1-11/16	9.60	6.8	6050	4300	4350	6000
1070T	0	2-1/2	2-11/16	1/2	2-1/8	13.96	11.3	8800	7150	4125	5500
1080T	0	3	3-1/4	3/4	2-11/16	28.80	17.9	18150	11300	3600	4750
1090T	0	3-1/2	3-3/4	15/16	3-1/4	52.36	38.1	33000	24000	3600	4000
1100T	0	4	4-1/4	15/16	3-1/4	88.14	38.1	55550	24000	2440	3250
1110T	0	4-1/2	4-5/8	1-13/16	3-15/16	130.90	71.1	82500	44800	2250	3000
1120T	2-3/8	5	5-3/8	*	*	191.99	*	121000	*	2025	2700
1130T	2-5/8	6	6-1/2	*	*	279.25	*	176000	*	1800	2400
1140T	2-5/8	7	7-1/4	*	*	401.43	*	253000	*	1650	2200

Coupling Size	A		B		C	D		E	Weight (Lbs.) (1)		Inertia
	T10	T20	Str. Hub	T-L Hub		Str. Hub	T-L Hub		T10	T20	(Lb. Ft.^{2}) (2)
1020T	3.47	4.38	3.89	N/A	1.56	1.9	N/A	0.1	2.8	3.0	0.03
1030T	3.88	4.75	3.89	3.39	1.94	1.9	1.6	0.1	3.8	4.0	0.1
1040T	4.22	5.06	4.13	3.36	2.25	2.0	1.6	0.1	4.7	4.9	0.1
1050T	5.09	5.81	4.88	3.89	2.63	2.4	1.9	0.1	7.3	7.5	0.2
1060T	5.47	6.38	5.13	4.38	3.00	2.5	2.1	0.1	11.0	11.0	0.3
1070T	5.92	6.81	6.13	4.38	3.44	3.0	2.1	0.1	13.8	14.0	0.4
1080T	6.92	7.88	7.13	5.39	4.13	3.5	2.6	0.1	25.1	25.6	1.01
1090T	7.70	9.13	7.88	6.39	4.88	3.9	3.1	0.1	35.1	35.6	1.7
1100T	9.88	10.50	9.69	7.19	5.59	4.8	3.5	0.2	62.6	63.2	3.7
1110T	10.63	11.25	10.19	7.45	6.31	5.0	3.6	0.2	78.5	79.0	5.6
1120T	12.13	12.56	12.00	*	7.06	5.9	*	0.3	114.0		10.8
1130T	13.63	14.88	13.00	*	8.56	6.4	*	0.3	165.0		20.2
1140T	15.13	16.38	14.75	*	10.00	7.3	*	0.3	236.0		36.4

(1) Weight of complete coupling at maximum bore

(2) Inertia of complete coupling at maximum bore

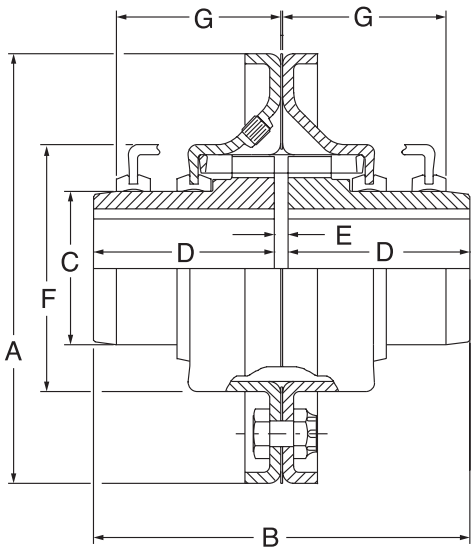
* Priced on Request

FEATURES/BENEFITS PAGE PT1-36	SPECIFICATION/HOW TO ORDER PAGE PT1-40	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

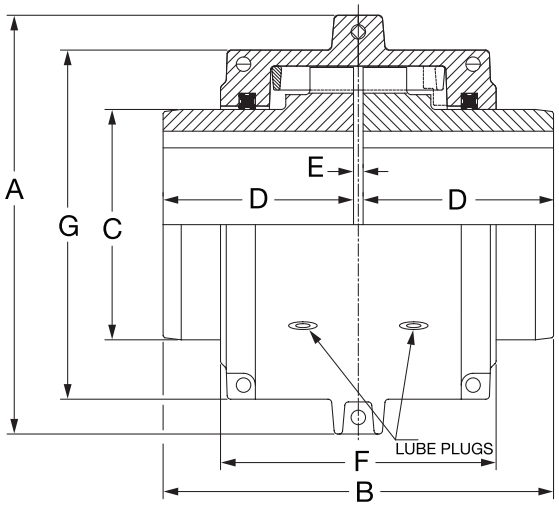
SELECTION/DIMENSIONS

GRID-LIGN

COUPLINGS SIZES FOR 1150T - 1200T



TYPE T20



TYPE T10

Coupling Size	Straight Bore		Torque		Maximum RPM		Weight (lbs) (1)	Inertia (lb ft²) (2)
	Minimum	Maximum	HP/100	In-Lbs	T10	T20		
1150T	4.1	8.0	558.5	352000	1500	2000	516	12387
1160T	4.6	9.0	785.4	495000	1350	1750	699	20192
1170T	5.1	10.0	1047.2	660000	1225	1600	988	35251
1180T	5.8	11.0	1451.8	915000	1110	1400	1365	63935
1190T	5.8	12.0	1919.9	1210000	1050	1300	1711	95407
1200T	6.8	13.0	2618.0	1650000	900	1100	2333	158256

Coupling Size	A		B	C	D	E	F	G
	T10	T20						
1150T	17.9	18.8	14.7	10.6	7.2	0.3	10.8	15.5
1160T	19.8	21.0	15.9	12.0	7.8	0.3	11.0	17.2
1170T	22.4	23.0	17.3	14.0	8.5	0.3	12.2	19.2
1180T	24.8	24.8	19.1	15.5	9.4	0.3	12.7	21.9
1190T	26.4	27.0	20.7	18.3	10.2	0.3	12.8	23.8
1200T	30.0	29.0	22.3	19.6	11.0	0.3	14.0	26.1

(1) Weight of complete coupling at minimum bore

(2) Inertia of complete coupling at minimum bore

SELECTION/DIMENSIONS

GRID-LIGN

Type T10 And T20 GRID-LIGN Couplings Part Numbers - Sizes 1020T Thru 1090T

Size	1020T	1030T	1040T	1050T	1060T	1070T	1080T	1090T
T10 Grid/Cover	• 006750	• 006751	• 006752	• 006753	• 006754	• 006755	• 006756	• 006757
T20 Grid/Cover	• 006765	• 006766	• 006767	• 006768	• 006769	• 006770	• 006771	• 006772
Grid	• 006275	• 006276	• 006277	• 006278	• 006279	• 006280	• 006281	• 006282
T10 Cover	• 006250	• 006251	• 006252	• 006253	• 006254	• 006255	• 006256	• 006257
T20 Cover	• 006260	• 006261	• 006262	• 006263	• 006264	• 006265	• 006266	• 006267
T-L Hubs	N/A	• 006318	• 006319	• 006320	• 006321	• 006322	• 006323	• 006324
Bushing Size	N/A	1108	1108	1215	1615	2012	2525	3030
Reborable	• 006290	• 006291	• 006292	• 006293	• 006294	• 006295	• 006296	• 006297
Finished Bore Hub								
1/2	006580							
5/8	006581	006585						
3/4	• 006582	• 006586						
7/8	006583	• 006587	• 006592	• 006576				
15/16	006571	006572	006950	006953	006957			
1	• 006584	• 006588	• 006593	• 006577				
1-1/8	• 006793	• 006589	• 006594	• 006599	006578			
1-3/16			006951	006954	006958			
1-1/4		• 006590	• 006595	• 006600	• 006579	006629		
1-3/8		• 006591	• 006596	• 006601	• 006606	006640		
1-7/16			006952	006955	006643	006961		
1-1/2			• 006597	• 006602	• 006607	• 006641	006642	006540
1-5/8			• 006598	• 006603	• 006608	• 006612	006539	
1-11/16				• 006956	006959	006962		
1-3/4				006604	• 006609	• 006613		
1-7/8				• 006605	• 006610	• 006614	006573	006541
1-15/16					• 006960	006963		
2					• 006794	• 006615	006620	
2-1/8					• 006611	• 006616	• 006621	006656
2-3/16						• 006964	006966	
2-1/4						• 006617	• 006622	• 006657
2-3/8						• 006618	• 006623	• 006804
2-7/16						• 006965	006967	
2-1/2						006619	• 006624	• 006795
2-5/8						006479	006625	006796
2-11/16							006968	006790
2-3/4							006626	006797
2-7/8							• 006627	• 006798
2-15/16							006969	006791
3							006628	006799
3-1/8								006800
3-1/4								006801
3-3/8								• 006802
3-7/16								006792
3-1/2								006803
3-5/8								
3-3/4								006480
3-7/8								
3-15/16								
4								

• Stock Sizes *Priced on request

Note: For TAPER-LOCK design, TAPER-LOCK bushings must be ordered separately

Note: 1020T - 1090T hubs come standard as clearance fit. Interference fit available on request.

Complete coupling consists of: (2) Hubs, TAPER-LOCK or straight bore, and (1) grid & cover assembly

SELECTION/DIMENSIONS

GRID-LIGN

Type T10 And T20 GRID-LIGN Couplings Part Numbers - Sizes 1100T Through 1200T

Size	1100T	1110T	1120T	1130T	1140T	1150T	1160T	1170T	1180T	1190T	1200T
T10 Grid/Cover	• 006758	• 006759	• 006760	• 006761	• 006762	• 007456	• 007457	• 007458	• 007459	• 007460	• 007461
T20 Grid/Cover	• 006773	• 006774	425514	423677	426916	007017	007018	007019	007020	007021	007022
Grid	• 006283	• 006284	007462	007463	007464	• 007465	• 007466	• 007467	• 007468	• 007469	• 007470
T10 Cover	• 006258	• 006259	007471	007472	007473	• 007474	• 007475	• 007476	• 007477	• 007478	• 007479
T20 Cover	• 006268	• 006269	426672	426673	426674	007011	007012	007013	007014	007015	007016
T-L Hubs	• 006325	• 006326	423589	393257	*	*	*	*	*	*	*
Bushing Size	3030	3535	4040	4545	*	*	*	*	*	*	*
Reborable	• 006298	• 006299	• 006300	• 006301	• 006245	• 007450	• 007451	• 007452	• 007453	• 007454	• 007455
Finished Bore Hubs											
2-1/2	006460										
2-5/8	006461										
2-11/16	006473										
2-3/4	006462										
2-7/8	006463										
2-15/16	006474										
3	006464	006486									
3-1/8	006465	006487									
3-1/4	006466	006488									
3-3/8	• 006467	006489									
3-7/16	006475	006484									
3-1/2	006468	006490									
3-5/8	006469	006491									
3-3/4	006470	006492									
3-7/8	006471	006493									
3-15/16	006476	006485									
4	006472	006494									

• Stock Sizes *Priced on request

Note: For TAPER-LOCK design, TAPER-LOCK bushings must be ordered separately

Note: 1100T - 1200T hubs come standard as interference fit. Clearance fit available on request

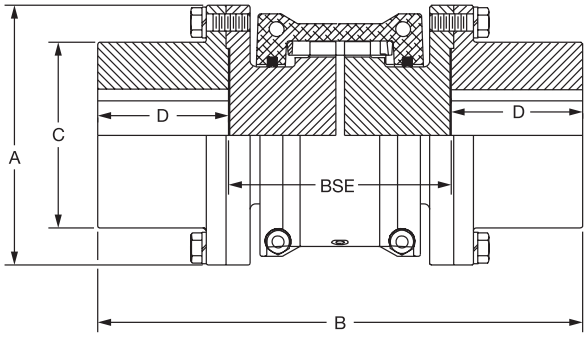
Complete coupling consists of: (2) Hubs, TAPER-LOCK or straight bore, and (1) grid & cover assembly.

TL Bushings on page PT6-2

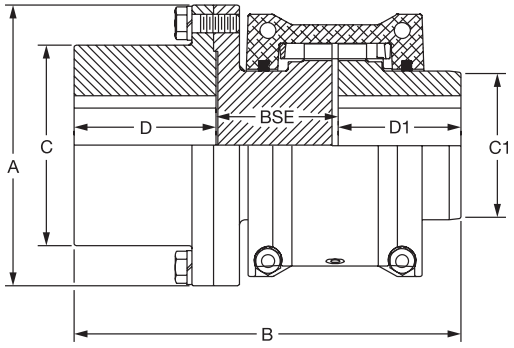
SELECTION/DIMENSIONS

GRID-LIGN

SPACER, STRAIGHT BORE & TAPER-LOCK DIMENSIONS/RATINGS



TYPE T31



TYPE T35

Coupling Size	Straight Bore			TAPER-LOCK		HP/100 (5)		TORQUE (5)		Max. RPM	T31 Weight*	
	Min. Bore	Maximum Bore		Min. Bore	Max. Bore	Str. Hub	T-L Hub	Str. Hub (In-Lbs)	T-L Hub (In-Lbs)		(1)	(2)
		Sq. Key	Rec. Key									
1020T	---	1-3/8	1-7/16	1/2	1-1/8	0.67	0.67	422	422	3600	8.1	.54
1030T	---	1-5/8	1-3/4	1/2	1-1/8	1.90	1.90	1200	1200	3600	11.1	.83
1040T	---	2-1/8	2-1/4	1/2	1-7/16	3.20	3.20	2000	2000	3600	18.0	1.11
1050T	---	2-3/8	2-1/2	1/2	1-11/16	5.60	5.60	3500	3500	3600	26.6	1.52
1060T	---	2-7/8	3-1/8	1/2	2-1/8	8.70	8.70	5500	5500	3600	42.7	1.98
1070T	---	3-1/8	3-1/4	3/4	2-11/16	13.00	13.00	8000	8000	3600	52.3	2.60
1080T	---	3-1/2	3-3/4	3/4	2-11/16	26.00	17.90	16,500	11,300	3600	84.8	3.70
1090T	---	4	4-1/4	15/16	3-1/4	48.00	38.10	30,000	24,000	3600	130.0	5.20

Coupling Size	A	C	C1	D	D1	T31 BSE		T35 BSE		T31 Inertia (Lb. Ft.^{2})	
						Min.	Max.	Min.	Max.	(3)	(4)
1020T	3.38	2.06	1.56	1.38	1.88	3.50	8.00	1.78	4.03	0.07	0.001
1030T	3.69	2.34	1.94	1.63	1.88	3.50	8.50	1.78	4.28	0.11	0.003
1040T	4.44	3.11	2.25	2.13	2.00	3.50	8.50	1.78	4.28	0.21	0.005
1050T	4.94	3.44	2.63	2.38	2.38	4.38	8.50	2.22	4.28	0.51	0.010
1060T	5.69	4.06	3.00	2.88	3.50	5.00	13.00	2.53	6.53	0.88	0.020
1070T	6.00	4.31	3.44	3.13	3.00	5.00	13.00	2.53	6.53	1.23	0.030
1080T	7.00	4.81	4.13	3.50	3.50	7.25	16.00	3.66	8.03	2.49	0.060
1090T	8.25	5.63	4.88	4.00	3.88	7.25	16.00	3.66	8.03	5.01	0.110

(1) Weight of T31 coupling at maximum bore

(2) Weight adder per inch

(3) Inertia of T31 coupling at maximum bore

(4) Inertia adder per inch

(5) HP/100 and TORQUE ratings for T-L style shaft hubs apply for "T" shaft hubs. See page PT1-52 for standard T-L style shaft hubs

* For weight and inertia of T35 use 1/2 of T31 value (this page) and 1/2 T10 value (page PT1-52)

GRID-LIGN

Type T 31 And T35 GRID-LIGN Couplings, Spacer Straight Bore "T" Hubs, TAPER-LOCK "T" Hubs, Grids And Covers - Part Numbers

Size	1020T	1030T	1040T	1050T	1060T	1070T	1080T	1090T
T10Grid/Cover	• 006750	• 006751	• 006752	• 006753	• 006754	• 006755	• 006756	• 006757
Grid	• 006275	• 006276	• 006277	• 006278	• 006279	• 006280	• 006281	• 006282
T10 Cover	• 006250	• 006251	• 006252	• 006253	• 006254	• 006255	• 006256	• 006257
T-L Hubs	• 006328	• 006329	• 006330	• 006331	• 006332	• 006333	• 006334	• 006335
Bushing Size	1108	1108	1310	1615	2012	2525	2525	3030
Reborable	• 006305	• 006306	• 006307	• 006308	• 006309	• 006310	• 006311	• 006312
Finished Bore Hubs								
5/8	006903							
7/8	• 006904	006907	006399					
1	006905	006908	• 006970	006984				
1-1/8	006906	006909	006971	006985				
1-1/4	006396	006397	006400	006402	006411			
1-3/8	• 006560	006894	006972	006986	006412			
1-7/16				006456				
1-1/2				006481	006413			
1-5/8		• 006398	006973	006987	006414	006417	006433	
1-3/4			006974	006988	006990	006418		
1-7/8			006564	006989	006991	006419	006434	• 006440
2				006457	006482			
2-1/8			006401	006565	006992	006429	006435	
2-3/8				006566	• 006567	• 006430	006458	006451
2-7/16					006415		006550	
2-5/8					006416		006436	
2-7/8					• 006568	006431	006437	006452
3						006432	006438	006453
3-3/8							• 006439	006454
3-7/8							006455	006455

• Stock Sizes

Complete spacer couplings consists of:

T31 Spacer - (2) "T" Shaft Hubs
(2) Spacer Hubs (Page PT1-58)
(1) T10 Grid & Cover Assembly

T35 Half Spacer - (1) Shaft Hub (Page PT1-49)
(1) Spacer Hub (Page PT1-59)
(1) "T" Shaft Hub
(1) T10 Grid & Cover Assembly

NOTE: For TAPER-LOCK designs, TAPER-LOCK bushings must be ordered separately. Refer to bushing section PT6-16.

NOTE: 1020T - 1090T hubs come standard as clearance fit. Interference fit available on request.

SELECTION/DIMENSIONS

GRID-LIGN

Type T31 - Full Spacer

B.S.E. Dimensions (in.)	Coupling Size															
	1020T		1030T		1040T		1050T		1060T		1070T		1080T		1090T	
	Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly	
	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.
3.5	006497	2	006504	2	006516	2										
3.94	006497	1	006504	1	006516	1										
	006498	1	006505	1	006517	1										
4.25	006497	1	006504	1	006516	1										
	006499	1	006506	1	006518	1										
4.38	006498	2	006505	2	006517	2	006533	2								
4.69	006498	1	006505	1	006517	1	006533	1								
	006499	1	006506	1	006518	1	006534	1								
5	006499	2	006506	2	006518	2	006534	2	006544	2	006553	2				
5.22					006516	1										
					006519	1										
5.38			006504	1	006516	1										
			006507	1	006520	1										
5.66					006517	1	006533	1								
					006519	1	006535	1								
5.81			006505	1	006517	1	006533	1								
			006507	1	006520	1	006536	1								
5.97					006518	1	006534	1								
					006519	1	006535	1								
6.12			006506	1	006518	1	006534	1	006544	1	006553	1				
			006507	1	006520	1	006536	1	006545	1	006554	1				
6.94					006519	2	006535	2								
7.09					006519	1	006535	1								
					006520	1	006536	1								
7.25			006507	2	006520	2	006536	2	006545	2	006554	2	006561	2	006569	2
8.00																
8.59													006561	1		
													006562	1		
8.62									006544	1	006553	1				
									006546	1	006555	1				
8.88																
9.75									006545	1	006554	1	006561	1	006569	1
									006546	1	006555	1	006563	1	006570	1
9.94													006562	2		
11.09													006562	1		
													006563	1		
12.25									006546	2	006555	2	006563	2	006570	2

FEATURES/BENEFITS PAGE PT1-36 | SPECIFICATION/HOW TO ORDER PAGE PT1-40 | MODIFICATION/ACCESSORIES PAGE PT1-79 | ENGINEERING/TECHNICAL PAGE PT1-81

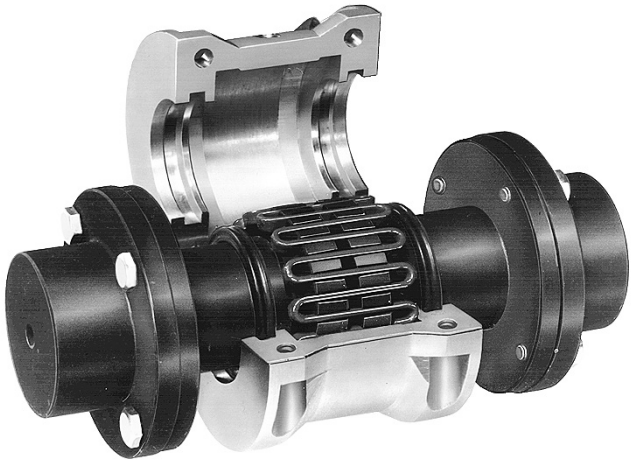
SELECTION/DIMENSIONS

GRID-LIGN

Type T35 - Half Spacer

B.S.E. Dimensions (in.)	Coupling Size															
	1020T		1030T		1040T		1050T		1060T		1070T		1080T		1090T	
	Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly	
	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.
1.78	006497	1	006504	1	006516	1										
2.22	006498	1	006505	1	006517	1	006533	1								
2.53	006499	1	006506	1	006518	1	006534	1	006544	1	006553	1				
3.50					006519	1	006535	1								
3.66			006507	1	006520	1	006536	1	006545	1	006554	1	006561	1	006569	1
4.06																
5.00													006562	1		
6.16									006546	1	006555	1	006563	1	006570	1

T31 - Full Spacer



T35 - Half Spacer

FEATURES/BENEFITS

Gear Couplings

The Power-Dense, High-Torque Gear Coupling

The DODGE Gear Coupling (DGF) offers unmatched performance and proven reliability

Quality Manufacturing

- High-quality steel
- Larger tooth profile provides additional service factor
- Good inherent balance
- Proven O-ring seal design
- Machined flanges and gasket for improved sealing
- High-grade fasteners

Performance Benefits

- High torque rating allows for coupling downsizing
- Versatile design permits interchangeable half couplings
- Low backlash (well suited for reversing applications)
- Crowned tooth profile for longer life and improved performance

DODGE Benefits

- Coupling solutions for any application

  Choose from DODGE coupling family: Gear (DGF), PARA-FLEX, GRID-LIGN, D-FLEX, Rigid and Fluid - all available from stock

- Combine DODGE couplings with any DODGE speed reducer for unmatched performance

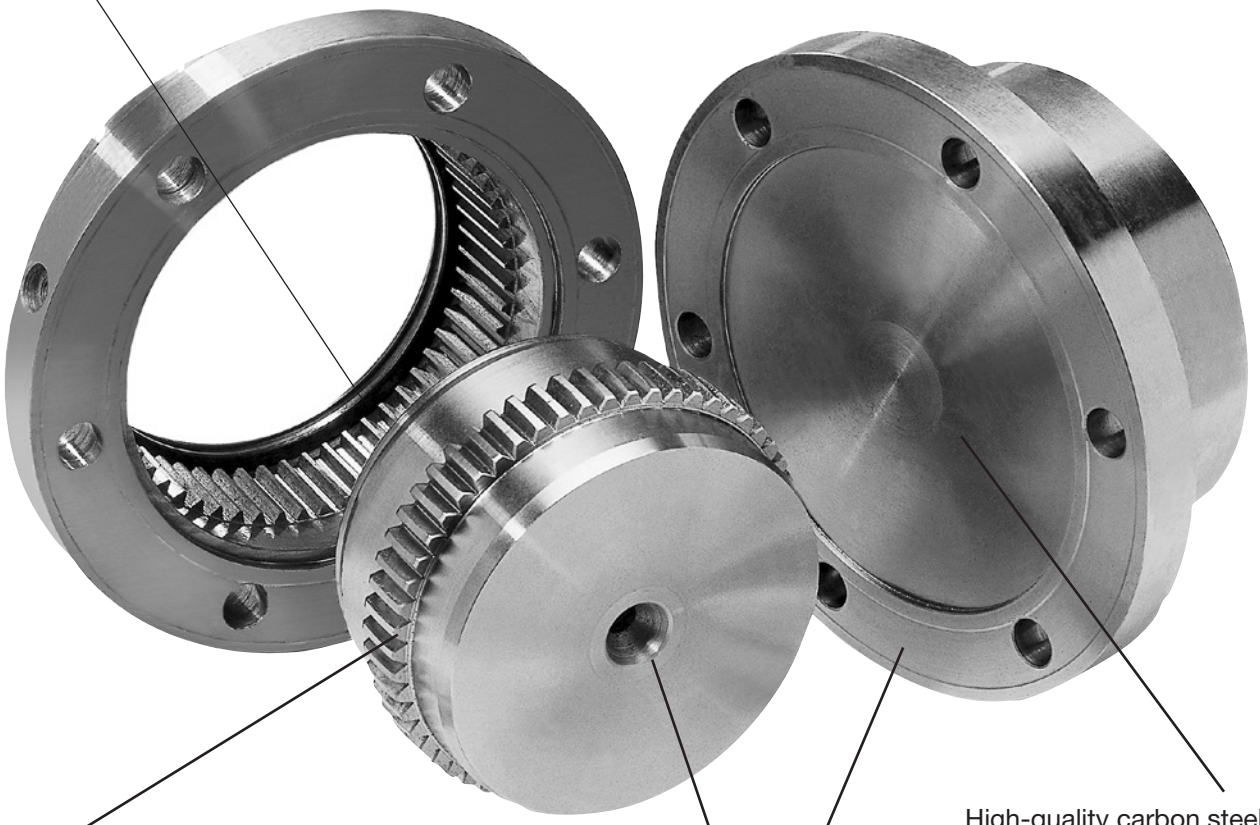
  Choose from thousands of combinations to get a package tailored to meet your needs

- Years of application expertise

  DODGE engineers can help specify products to achieve maximum results from your equipment

FEATURES/BENEFITS

Gear Couplings



SPECIFICATION/HOW TO ORDER/NOMENCLATURE

DODGE

Gear Couplings

SPECIFICATION

DODGE GEAR COUPLINGS are power dense and capable of transmitting high torque at high speeds while still remaining inherently well balanced. Gear Couplings transmit torque by the mating of two hubs with external gear teeth that are joined by flanged sleeves with internal gear teeth.

Gear Couplings will be provided with interference fit bores unless otherwise specified. The hubs and sleeves will be manufactured of high quality steel.

HOW TO ORDER

Standard couplings consist of:

(2) Flex Hubs

(2) Sleeves

(1) Hardware Kit

NOMENCLATURE

DGF 1.0

DODGE Gear coupling

Size

COMPETITOR INTERCHANGE

DODGE DGF	FALK LIFELIGN	KOP-FLEX KOPPERS SERIES H	AMERIGEAR ZURN F SERIES	LOVEJOY/ SIER-BATH
1	1010G20 *	1	201	-
1.5	1015G20	1-1/2	201-1/2	1.5
2	1020G20	2	202	2
2.5	1025G20	2-1/2	202-1/2	2.5
3	1030G20	3	203	3
3.5	1035G20	3-1/2	203-1/2	3.5
4	1040G20	4	204	4
4.5	1045G20	4-1/2	204-1/2	4.5
5	1050G20	5	205	5
5.5	1055G20	5-1/2	205-1/2	5.5
6	1060G20	6	206	6
7	1070G20	7	207	-

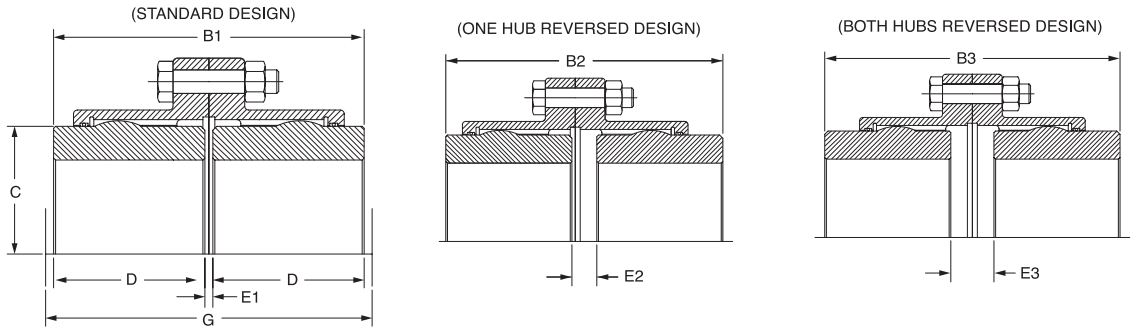
* G20 - FLEX-FLEX
G52 - FLEX-RIGID

NOTE: Instruction manual for Gear Couplings available on www.dodgeindustrial.com

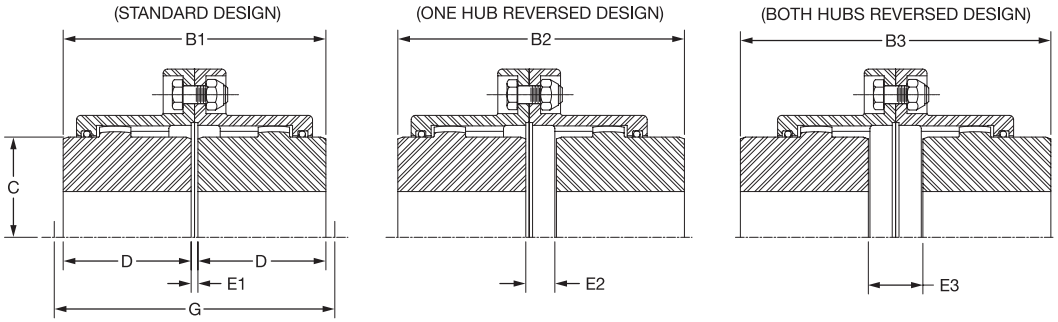
SELECTION/DIMENSIONS

Gear Couplings

Exposed Bolt Design



Shrouded Bolt Design



Size	Min. Bore [in.]	Max. Bore [in.] Standard Keyway		Max. Bore [in.] Shallow Keyway		HP/100+ RPM	Torque+ [lb-in.]	Max. RPM*	Max. Parallel Offset [in.]**	Approx. Weight [lbs.] ***
		Flex Hub	Rigid Hub	Flex Hub	Rigid Hub					
1	0.438	1.625	2.188	1.750	2.313	12	7500	6000	0.055	9
1.5	0.690	2.125	2.813	2.250	3.063	30	18900	5500	0.060	19
2	0.940	2.750	3.500	3.000	3.750	50	31500	5000	0.085	34
2.5	1.440	3.250	4.250	3.375	4.500	90	56700	4400	0.105	55
3	1.440	4.000	4.875	4.250	5.250	150	94500	4000	0.115	86
3.5	1.810	4.625	5.625	4.875	6.125	240	151300	3500	0.130	135
4	2.440	5.375	6.500	5.625	6.875	350	220600	3000	0.150	195
4.5	3.000	6.000	7.375	6.438	8.000	480	302500	2700	0.175	268
5	3.000	6.500	8.375	7.000	8.875	690	434900	2500	0.200	394
5.5	4.000	7.500	9.250	7.875	9.875	910	573500	2200	0.220	526
6	4.000	8.250	10.125	8.750	11.000	1190	750000	2100	0.120	687
7	5.000	9.500	11.250	9.750	12.250	1600	1008400	2000	0.135	1017

\+ Ratings are based on standard interference fit.

* For higher RPM applications, contact DODGE Customer Order Engineering at (864) 284-5700.

** Based on 1-1/2 degrees angular misalignment per gear mesh for sizes 1 through 5-1/2, 3/4 degree angular misalignment per gear mesh for sizes 6 and 7, and maximum bore. Flex-Rigid configurations do not accept parallel misalignment.

*** Approximate weight with minimum bore.

Size	Dimension [in.]								
	B1	B2	B3	C	D	E1	E2	E3	G
1	3-1/2	3-13/16	4-1/8	2-5/16	1-11/16	1/8	7/16	3/4	4-3/16
1.5	4	4-1/4	4-1/2	3	1-15/16	1/8	3/8	5/8	4-3/4
2	5	5-13/16	6-3/8	4	2 -7/16	1/8	13/16	1-1/2	6
2.5	6-1/4	7-1/32	7-13/16	4-5/8	3-1/32	3/16	31/32	1-3/4	7-1/8
3	7-3/8	8-1/32	8-11/16	5-5/8	3-19/32	3/16	27/32	1-1/2	8-1/8
3.5	8-5/8	9-3/16	9-3/4	6-1/2	4-3/16	1/4	13/16	1-3/8	9-3/8
4	9-3/4	10-7/16	11-1/8	7-1/2	4-3/4	1/4	15/16	1-5/8	10-1/4
4.5	10-15/16	12	13-1/16	8-1/2	5-5/16	5/16	1-3/8	2-7/16	11-1/2
5	12-3/8	13-23/32	15-1/16	9-1/2	6-1/32	5/16	1-21/32	3	13
5.5	14-1/8	15-5/8	17-1/8	6-29/32	6-29/32	5/16	1-13/16	3-5/16	14-3/8
6	15-1/8	16-17/32	17-15/16	11-1/2	7-13/32	5/16	1-23/32	3-1/8	17
7	17-3/4	19-1/16	20-3/8	13	8-11/16	3/8	1-11/16	3	20

* Minimum space required to install and align coupling.

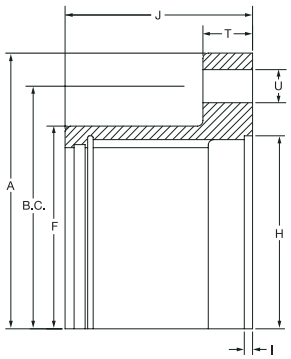
FEATURES/BENEFITS PAGE PT1-48	SPECIFICATION/HOW TO ORDER PAGE PT1-51	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

SELECTION/DIMENSIONS

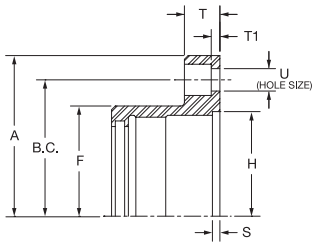
Gear Couplings

(FLANGED SLEEVE AND RIGID HUB DETAILS)

Exposed Bolt Design



Shrouded Bolt Design



Size	Outside Diameter A	Flange Width J	Flange Thickness T	Flange Thickness T1	Hub Diameter F	Undercut Depth I	Undercut Diameter H	Hole Diameter U	Bolt Circle B.C.	Number of Bolts
	All Dimensions in Inches									
1 EB	4-9/16	1-21/32	9/16	-	3	3/32	2 -7/8	1/4	3-3/4	6
1 SB	4-9/16	1-21/32	9/16	1/2	3	3/32	2 -7/8	1/4	3-3/4	6
1.5 EB	6	1-7/8	3/4	-	3-7/8	3/32	3-11/16	3/8	4-13/16	8
1.5 SB	6	1-7/8	3/4	1/2	3-7/8	3/32	3-11/16	3/8	4-13/16	8
2 EB	7	2-3/8	3/4	-	4-13/16	3/32	4-5/8	1/2	5 -7/8	6
2 SB	7	2-3/8	3/4	1/2	4-13/16	3/32	4-5/8	3/8	5-13/16	10
2.5 EB	8-3/8	2-7/8	15/16	-	5-13/16	3/32	5-7/16	5/8	7-1/8	6
2.5 SB	8-3/8	2-7/8	15/16	5/16	5-13/16	3/32	5-7/16	1/2	7	10
3 EB	9-7/16	3-5/16	15/16	-	6-13/16	3/32	6-7/16	5/8	8-1/8	8
3 SB	9-7/16	3-5/16	15/16	5/16	6-13/16	3/32	6-7/16	1/2	8	12
3.5 EB	11	3-13/16	1-1/8	-	7-27/32	3/32	7-3/8	3/4	9-1/2	8
3.5 SB	11	3-13/16	1-1/8	3/8	7-27/32	3/32	7-3/8	5/8	9-9/32	12
4 EB	12-1/2	4-1/4	1-1/8	-	9-3/16	3/16	8-3/4	3/4	11	8
4 SB	12-1/2	4-1/4	1-1/8	3/8	9-3/16	3/16	8-3/4	5/8	10-5/8	14
4.5 EB	13-5/8	4-13/16	1-1/8	-	10-5/16	3/16	9-3/4	3/4	12	10
4.5 SB	13-5/8	4-13/16	1-1/8	3/8	10-5/16	3/16	9-3/4	5/8	11-3/4	14
5 EB	15-5/16	5-1/2	1-1/2	-	11-7/16	3/16	10-3/4	7/8	13-1/2	8
5 SB	15-5/16	5-1/2	1-1/2	9/16	11-7/16	3/16	10-3/4	3/8	13-3/16	14
5.5 EB	16-3/4	6	1-1/2	-	10-1/2	3/16	12-1/8	7/8	14-1/2	14
5.5 SB	16-3/4	6	1-1/2	9/16	10-1/2	3/16	12-1/8	3/4	14-7/16	16
6 EB*	18	6-11/16	1	-	13-15/16	3/16	13 -3/8	7/8	15-3/4	14
7 EB*	20-3/4	7-3/8	1-1/8	-	15-3/4	1/4	14-5/8	1	18-1/4	16

EB = Exposed Bolt Pattern

SB = Shrouded Bolt Pattern

* Sizes 6 & 7 only available in exposed bolt pattern

Part Numbers

Part Number	Description	Part Number	Description	Part Number	Description
Size 1.0		**Size 3.0**		**Size 5.0**	
013110	DGF 1.0 FLEX HUB	**013126**	DGF 3.0 FLEX HUB	**013142**	DGF 5.0 FLEX HUB
013111	DGF 1.0 SLEEVE EB	**013127**	DGF 3.0 SLEEVE EB	**013143**	DGF 5.0 SLEEVE EB
012975	DGF 1.0 SLEEVE SB	**012979**	DGF 3.0 SLEEVE SB	**012983**	DGF 5.0 SLEEVE SB
013112	DGF 1.0 RIGID HUB EB	**013128**	DGF 3.0 RIGID HUB EB	**013144**	DGF 5.0 RIGID HUB EB
013113	DGF 1.0 EB HARDWARE KIT	**013129**	DGF 3.0 EB HARDWARE KIT	**013145**	DGF 5.0 EB HARDWARE KIT
394171	DGF 1.0 SB HARDWARE KIT	**394175**	DGF 3.0 SB HARDWARE KIT	**394179**	DGF 5.0 SB HARDWARE KIT
Size 1.5		**Size 3.5**		**Size 5.5**	
013114	DGF 1.5 FLEX HUB	**013130**	DGF 3.5 FLEX HUB	**013146**	DGF 5.5 FLEX HUB
013115	DGF 1.5 SLEEVE EB	**013131**	DGF 3.5 SLEEVE EB	**013147**	DGF 5.5 SLEEVE EB
012976	DGF 1.5 SLEEVE SB	**012980**	DGF 3.5 SLEEVE SB	**012984**	DGF 5.5 SLEEVE SB
013116	DGF 1.5 RIGID HUB EB	**013132**	DGF 3.5 RIGID HUB EB	**013148**	DGF 5.5 RIGID HUB EB
013117	DGF 1.5 EB HARDWARE KIT	**013133**	DGF 3.5 EB HARDWARE KIT	**013149**	DGF 5.5 EB HARDWARE KIT
394172	DGF 1.5 SB HARDWARE KIT	**394176**	DGF 3.5 SB HARDWARE KIT	**394180**	DGF 5.5 SB HARDWARE KIT
Size 2.0		**Size 4.0**		**Size 6.0**	
013118	DGF 2.0 FLEX HUB	**013134**	DGF 4.0 FLEX HUB	**013150**	DGF 6.0 FLEX HUB
013119	DGF 2.0 SLEEVE EB	**013135**	DGF 4.0 SLEEVE EB	**013151**	DGF 6.0 SLEEVE EB
012977	DGF 2.0 SLEEVE SB	**012981**	DGF 4.0 SLEEVE SB	**013152**	DGF 6.0 RIGID HUB EB
013120	DGF 2.0 RIGID HUB EB	**013136**	DGF 4.0 RIGID HUB EB	**013153**	DGF 6.0 HARDWARE KIT
013121	DGF 2.0 EB HARDWARE KIT	**013137**	DGF 4.0 EB HARDWARE KIT		
394173	DGF 2.0 SB HARDWARE KIT	**394177**	DGF 4.0 SB HARDWARE KIT		
Size 2.5		**Size 4.5**		**Size 7.0**	
013122	DGF 2.5 FLEX HUB	**013138**	DGF 4.5 FLEX HUB	**013154**	DGF 7.0 FLEX HUB
013123	DGF 2.5 SLEEVE EB	**013139**	DGF 4.5 SLEEVE EB	**013155**	DGF 7.0 SLEEVE EB
012978	DGF 2.5 SLEEVE SB	**012982**	DGF 4.5 SLEEVE SB	**013156**	DGF 7.0 RIGID HUB EB
013124	DGF 2.5 RIGID HUB EB	**013140**	DGF 4.5 RIGID HUB EB	**013157**	DGF 7.0 HARDWARE KIT
013125	DGF 2.5 EB HARDWARE KIT	**013141**	DGF 4.5 EB HARDWARE KIT		
394174	DGF 2.5 SB HARDWARE KIT	**394178**	DGF 4.5 SB HARDWARE KIT		

Ordering Information: Standard Gear Couplings may be orders in 3 different assemblies -

1. **Flex-Flex (or Full Flex): To order a complete Flex-Flex coupling you need - (2) Flex Hubs [reborable], (2) Sleeves (includes Seal), and (1) Hardware Kit.**
2. **Flex-Rigid: To order a complete Flex-Rigid Coupling you need - (1) Flex Hub [reborable], (1) Sleeve (includes Seal), (1) Rigid Hub [reborable], and (1) Hardware Kit.**
3. **Rigid-Rigid: To order a complete Rigid-Rigid Coupling you need - (2) Rigid Hubs [reborable], and (1) Hardware Kit.**

FEATURES/BENEFITS

Disc Couplings

The Dodge Disc coupling offers industry leading torque capacity and misalignment capability resulting in longer life and improved reliability.

Disc couplings have become the preferred design for pumping and compressor applications used in the oil and gas industry due to their high torque, speed, misalignment, and maintenance-free features. The advantages of the disc style coupling have also driven the API 610 specification, which can be met by all Dodge Disc couplings. Dodge Disc Couplings meeting API 671 requirements are available upon request.

In addition to the high torque and misalignment capabilities, the Dodge Disc coupling also provides features for customers to save money by downsizing with a large hub option, and prevent unexpected downtime costs with strobe light inspection during operation.

The Dodge Disc coupling can be specified into any API 610 or API 671 pumping application due to its wide range of capabilities, as seen in Table 1. Dodge drives, and Baldor•Reliance motors have become the standard in the oil and gas industry due to their reliability and long life. Now oil and gas users can realize the same reliability and long life by packaging Dodge Disc Couplings, Dodge or Baldor•Reliance motors, and Dodge drives, into one complete pump driver system.

Table 1 – Dodge Disc Coupling Ratings*

Coupling style	Size range	Max torque*	Power per 100 RPM*	Max speed*	Max bore	Misalignment capability (Angular)	Misalignment capability (Parallel)	Misalignment capability (End-Float)
		In-lbs	HP/100		Inch		Inch	Inch
Disc (Standard)	94-310	177,000	280	9,100/22,700**	7.88	1° - 1.5°	0.107	0.224
Disc (Made-to-Order)	333-702	2,292,000	3636	1,360/3,400**	15.25	0.5° - 1°	N/A	0.299

*Listed values represent the range of the entire product line. Ratings listed are the maximum ratings for the largest coupling size. Ratings are dependent upon coupling size.
See Dodge engineering catalog and appropriate selection methods during sizing or contact application engineering for assistance.

**Balanced
Note (1): Anti-corrosive options including Black Oxide, Zinc or Manganese Phosphating, Electroless Nickel, and Stainless Steel are available upon request.
Note (2): Anti-sparking options available upon request.
Note (3): Temperature range: -40°F to +450°F

FEATURES/BENEFITS

Disc Couplings

Oil and Gas Industry Focus

API 610 Design

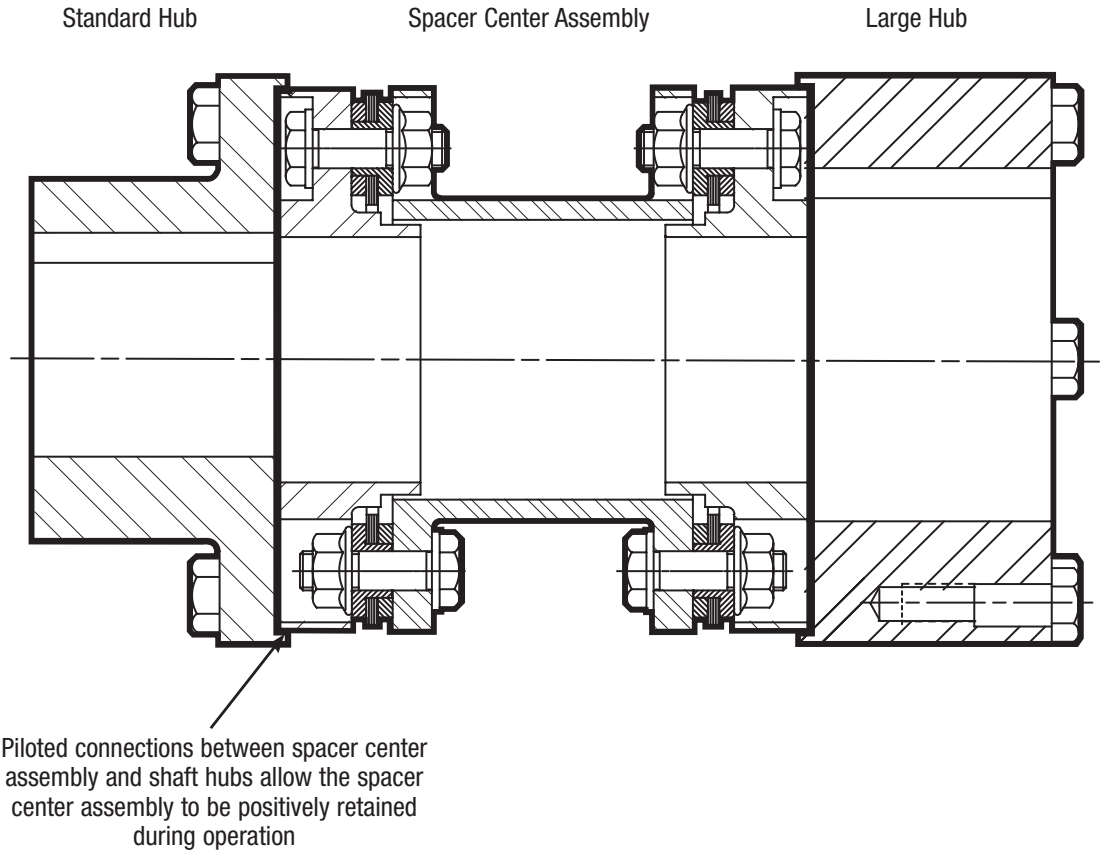
The Oil and Gas industry recognizes the importance of reliability and uptime by specifying products that reduce maintenance requirements, increase productivity, and prevent unexpected downtime. As a result, the American Petroleum Institute developed the API 610 specification as the standard for pumping applications across the industry.

All Dodge Disc Couplings can meet the API 610 specification, which includes:

- The spacer center assembly must be positively retained if the flexible element ruptures. As seen in Figure 1, the pilot machined in the disc coupling shaft hub positively retains the spacer center assembly, preventing the spacer center assembly from rotating free if a catastrophic bolt failure were to occur during operation.
- Coupling must be capable of rotating at 3800 rpm. All Dodge Disc Couplings are capable of operation at 3800 rpm.
- Flexible element should be made of corrosion resistant material. The Dodge Disc Coupling design utilizes flexible discs made of corrosion 301 stainless steel.
- Coupling hubs are made of 1045 steel.
- Coupling hubs are manufactured in accordance with AGMA 9000 Class 9 balance specifications.
- Spacer center assembly is removable without disturbing connected equipment.

In addition to meeting API 610 specification requirements, the Dodge Disc Coupling is also capable of meeting API 671 requirements upon request.

Figure 1: Dodge Disc Coupling Configuration



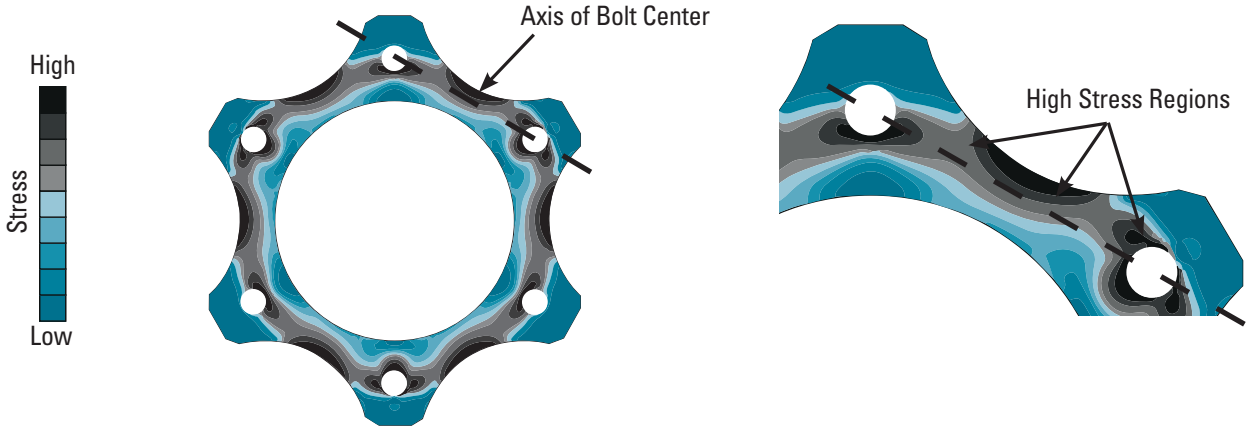
Disc Couplings

Longer Life, Improved Reliability

Competitor Disc Geometry

Many disc coupling competitors utilize the disc geometry seen below, featuring a scalloped outside diameter and circular inside diameter. As seen in Figure 2, this single scalloped design unevenly distributes material along the “axis of bolt center”, which negatively impacts the torque ratings and the misalignment capability of the coupling. Figure 2 shows large peak stress areas (as indicated) are created around the bolt holes and along the outside diameter of each leg between bolts, resulting in lower torque ratings. Additionally, the uneven distribution of material along the “axis of bolt center” drastically reduces misalignment capability during operation.

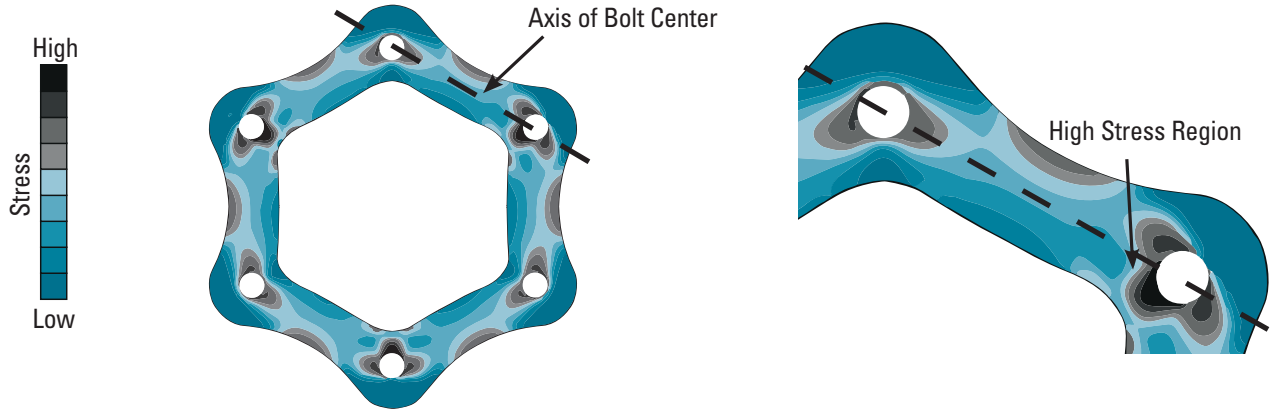
Figure 2: Competitor Disc Geometry - Single Scalloped Design



Dodge Disc Geometry

The Dodge Disc coupling utilizes the newest generation of disc geometry, a dual scalloped design, which offers an even distribution of material along the “axis of bolt center”. Figure 3 shows a drastically reduced number of high stress areas within the disc limited to only a small area around the bolt hole. Also, the peak stress shown in the Dodge Disc geometry is 13% less than the competitor’s geometry, resulting in an average of double the torque capacity. Additionally, an even distribution of material along the “axis of bolt center” maximizes misalignment capability and offers up to three times the misalignment of the leading competitor. Industry leading torque ratings and misalignment capability will ultimately lead to longer coupling life, improved reliability, and reduced unexpected downtime.

Figure 3: Dodge Disc Geometry - Dual Scalloped Design



FEATURES/BENEFITS

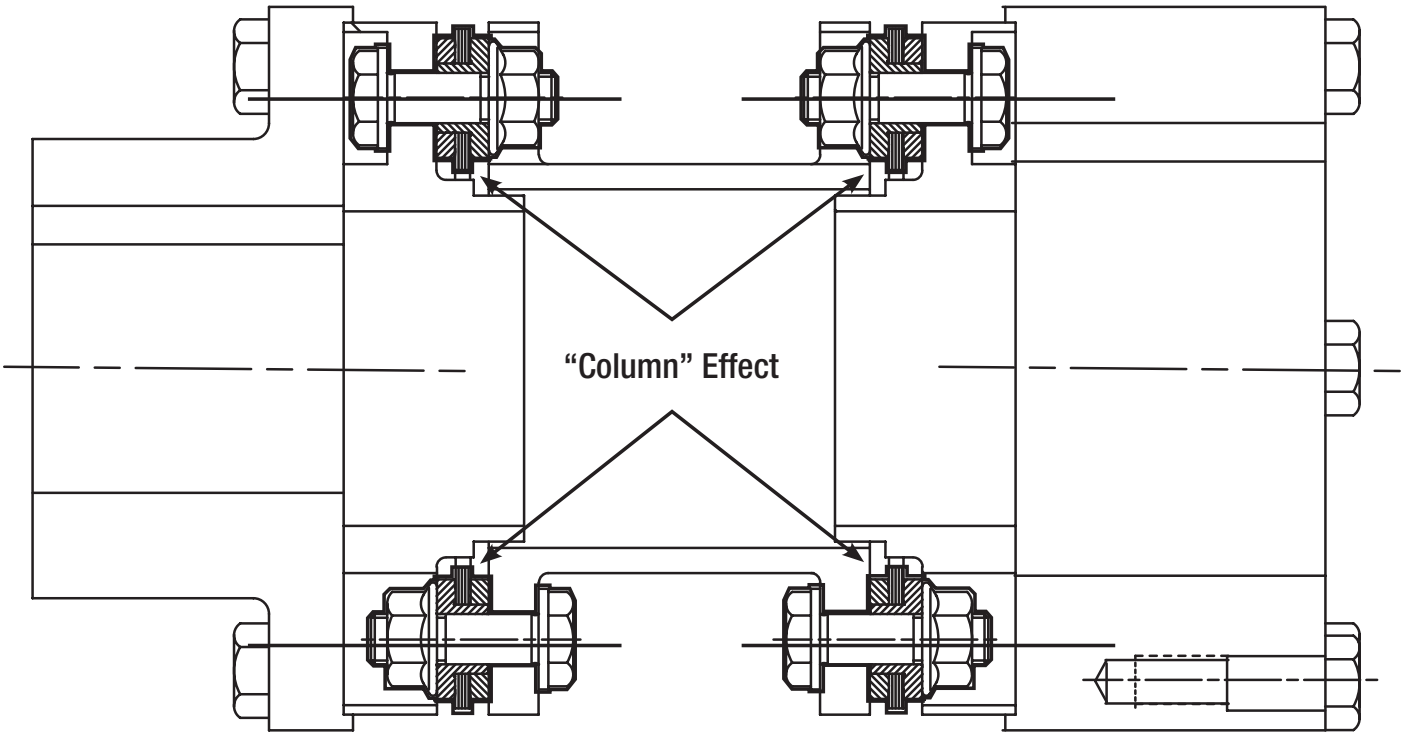
Disc Couplings

Longer Life, Improved Reliability

Unitized Assembly Design

All Dodge Disc coupling spacer center assemblies are factory assembled and include a spacer, two disc packs, and two guard rings. Pre-assembling the spacer center assembly not only ensures that the system is assembled with the required tolerances, but also allows the customer to order a single part number and receive a single unit. Utilizing a custom, tight tolerance bushing and bolt to connect the spacer, disc pack, and guard ring, results in torque being transmitted through the entire assembly. The unitized assembly or "column" effect, which can be seen in Figure 4 below, prevents any single component from transmitting the application torque alone. Competitive designs that offer loose discs for assembly risk improper installation which can cause the bolt to quickly shear. The unitized assembly is just another reason why Dodge Disc couplings can offer users higher torque ratings, increased misalignment capability, and longer life.

Figure 4: Unitized Assembly Column Effect



Disc Couplings

Increased Productivity

Maintenance Free

The Dodge Disc coupling offers the power density, large bore capacity, and high speed capabilities of a metallic coupling while eliminating the need for maintenance. Traditional gear and grid style couplings require additional grease multiple times per year in order to lubricate gear teeth and looping segments. However, the Dodge Disc coupling does not have relative movement between mating parts which allows for increased maintenance productivity. Additionally, by not having any moving components, the Dodge Disc coupling is torsionally rigid, prevents backlash, and is perfect for applications needing precise positioning such as paper machines.

When comparing a metallic coupling that requires maintenance with an elastomeric, maintenance free design, the customer must sacrifice space since the maintenance free option would be much larger than the metallic design. However, Table 2 lists three common application examples driven by NEMA and IEC motors. Table 3 reveals that the Dodge Disc coupling selection has a smaller outside diameter than the grid and gear selection. Additionally, the Dodge Disc coupling selection has equal angular misalignment to the gear and more than the grid.

Table 3 shows that the maintenance-free Dodge Disc Coupling offers comparable size and angular misalignment capability as other metallic coupling designs requiring maintenance.

Table 2: Application Details for Metallic Coupling Comparison

	Application 1		Application 2		Application 3	
	NEMA	IEC	NEMA	IEC	NEMA	IEC
Motor Frame Size	256T	160	365T	250	445T	315
Motor Shaft Size	1 5/8”	42 mm	2 3/8”	65 mm	3 3/8”	80 mm
HP / kW	20 HP	15 kW	75 HP	55 kW	150 HP	110 kW
RPM	1750	1500	1750	1500	1750	1500
Service Factor	2.0	2.0	2.0	3.0	2.0	4.0
Torque	1,441 in-lbs	191 N-m	5,402 in-lbs	1,051 N-m	10,804 in-lbs	2,801 N-m

Table 3: Coupling Size Details for Metallic Coupling Comparison

		Application 1			Application 2			Application 3		
		Outside Diameter (inch)	Outside Diameter (mm)	Angular Misalignment	Outside Diameter (inch)	Outside Diameter (mm)	Angular Misalignment	Outside Diameter (inch)	Outside Diameter (mm)	Angular Misalignment
Disc Coupling	NEMA Motor	3.70	94.00	1.5°	5.47	139.00	1.5°	7.59	193.00	1.5°
	IEC Motor	3.70	94.00	1.5°	5.47	139.00	1.5°	7.59	193.00	1.5°
Gear Coupling	NEMA Motor	4.56	115.82	1.5°	7.00	177.80	1.5°	9.44	239.78	1.5°
	IEC Motor	6.00	152.40	1.5°	7.00	177.80	1.5°	9.44	239.78	1.5°
Grid Coupling	NEMA Motor	4.22	107.19	0.5°	5.92	2336.80	0.5°	7.70	195.58	0.5°
	IEC Motor	5.09	129.29	0.5°	6.92	175.77	0.5°	7.70	195.58	0.5°

FEATURES/BENEFITS

Disc Couplings

Lower Costs, Reduce Unexpected Downtime

Downsizing Capability

Many disc coupling competitors utilize the disc geometry seen below which features a scalloped outside diameter and circular inside diameter. As seen in Figure 2, this single scalloped design unevenly distributes material along the “axis of bolt center”, which negatively impacts the torque ratings and the misalignment capability of the coupling. Figure 2 shows large peak stress areas are created around the bolt holes and along the outside diameter of each leg between bolts, resulting in lower torque ratings. Additionally, the uneven distribution of material along the “axis of bolt center” drastically reduces misalignment capability during operation.

Figure 5: Large Hub Configurations

Dodge Disc Coupling
size 115 with
two large hubs

Dodge Disc Coupling
size 115 with one large hub
and one standard hub

Reduce Unexpected Downtime with Strobe Light Inspection

The Dodge Disc coupling has the ability to be inspected during operation. By observing the disc pack under a strobe light during operation, users can diagnose potential application issues before they experience costly, unexpected downtime. Cracks in the discs clearly communicate to the user that the driver and driven shafts are severely misaligned. Also, an “S” condition, the buckling of a disc leg between the driver and driven connecting bolts, tells the user the application is experiencing a torque overload situation. With this information, modifications can be made to the application to extend the life of the coupling or the spacer center assembly can be changed out, depending on the severity of the deformation. The ability to perform predictive maintenance during operation will greatly reduce plant costs by eliminating unexpected downtime associated with couplings.

DODGE

Disc Couplings

Complete Dodge Disc Coupling Consists of:
Quantity two hubs (standard or large) and quantity one spacer center assembly

DISC COUPLING HUB NOMENCLATURE

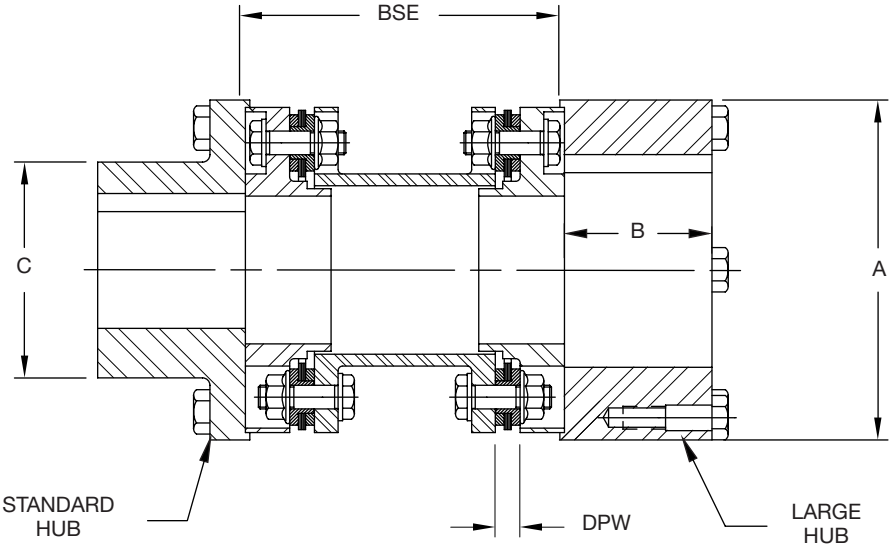
94	DISC	STD HUB	9MM
Coupling Size:	Coupling Type	STD = Standard Hub	Bore Size:
94		LG = Large Hub	MM
115			INCH
139			RSB
165			
193			
210			
236			
263			
286			
310			

DISC COUPLING SPACER CENTER ASSEMBLY NOMENCLATURE

94	DISC	CTR ASSY	-	3 INCH BSE
Coupling Size:	Coupling Type	Spacer Center Assembly		Between Shaft Ends dimension:
94				MM
115				INCH
139				
165				
193				
210				
236				
263				
286				
310				

SELECTION/DIMENSIONS

Disc Couplings



Dimensions (in)

Coupling Size	A	B	C	DPW
94	3.70	1.57	2.36	0.295
115	4.53	1.97	2.87	0.331
139	5.47	2.36	3.74	0.331
165	6.50	2.76	4.41	0.441
193	7.60	3.15	5.28	0.551
210	8.27	3.54	5.67	0.610
236	9.29	3.94	6.30	0.689
263	10.35	4.53	6.89	0.807
286	11.26	4.92	7.68	0.835
310	12.20	5.31	8.40	0.961

Ratings (Imperial Units)

Coupling Size	Max Bore		Torque			Max RPM		Axial Misalignment (in) (4)	Angular Misalignment (5)	Weight (lbs) (3)
	Standard Hub (in)	Large Hub (in)	HP/100	Nominal (in.-lbs.)	Peak (in.-lbs.)	Standard (1)	Balanced (2)			
94	1.68	2.25	3.33	2100	4200	9100	22700	0.059	1.5°	8
115	2.06	2.94	8.09	5100	10200	7200	18000	0.083		12
139	2.69	3.56	15.39	9700	19500	5840	14600	0.102		22
165	3.13	4.13	28.08	17700	35400	4920	12300	0.122		40
193	3.75	4.94	46.33	29200	58400	4200	10500	0.146		62
210	4.06	5.38	64.58	40700	81400	3840	9600	0.150	1.0°	84
236	4.50	5.94	98.37	62000	123900	3400	8500	0.165		121
263	4.94	6.63	143.28	90,300	180600	3080	7700	0.185		159
286	5.50	7.31	199.44	125700	251400	2800	7000	0.205		223
310	6.13	7.88	280.84	177000	354000	2560	6400	0.224		293

Notes:

(1) Coupling operational speed must be equal to or less than the allowable speed that is limited by the weight and critical speed of the spacer.
(2) Standard Dodge Disc couplings will meet the maximum speed listed in the “Standard” column. Speed capabilities listed in the “Balanced” column require special balancing by Dodge.
(3) Weight of complete coupling at maximum bores.
(4) Axial misalignment for two disc packs.
(5) Angular misalignment for one disc pack.
(6) Anti-corrosive options including Black Oxide, Zinc or Manganese Phosphating, Electroless Nickel, and Stainless Steel are available upon request.
(7) Standard BSE’s are listed on page 9

Disc Couplings

Dodge Disc Coupling Inch and Metric Spacer Center Assembly Part Numbers

Complete Dodge Disc Coupling Consists of:
Quantity two hubs (standard or large) and quantity one spacer center assembly

BSE Distance		Pump Standard	Coupling Size									
(mm)	(inch)		94	115	139	165	193	210	236	263	286	310
76	3.00	ANSI	138452									
79	3.10	ANSI	138453	138458								
89	3.50	ANSI	138454	138459	138463							
100	3.94	ISO	138482	138484	138487							
111	4.38	ANSI	138455	138460	138464	138467						
127	5.00	ANSI	138456	138461	138465	138468	138471					
140	5.51	ISO	138483	138485	138488	138490	138493	138496				
178	7.00	ANSI	138457	138462	138466	138469	138472	138475	138477			
180	7.09	ISO		138486	138489	138491	138494	138497				
229	9.00	ANSI				138470	138473	138476	138478	138480	138481	138503
250	9.84	ISO				138492	138495	138498	138499	138500	138501	138502

Note: (1) In addition to the listed standard between shaft end (BSE) dimensions, spacer center assemblies with custom BSE dimensions are available upon request.

EASY SELECTION

DODGE

Disc Couplings

Dodge Disc Coupling Inch Bore Hub Part Numbers

Complete Dodge Disc Coupling Consists of:
Quantity two hubs (standard or large) and quantity one spacer center assembly

Size Inch Bore (in)	94		115		139		165		193	
	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub
Reborable	138000	138020	138023	138046	138051	138076	138081	138103	138106	138129
1/2	138225									
5/8	138226									
3/4	138227									
7/8	138228		138240							
15/16	138229		138241							
1	138230		138242		138258		138284			
1 1/8	138231		138243		138259		138285			
1 3/16	138232		138244		138260		138286			
1 1/4	138233		138245		138261		138287		138313	
1 3/8	138234		138246		138262		138288		138314	
1 7/16	138235		138247		138263		138289		138315	
1 1/2	138236		138248		138264		138290		138316	
1 5/8	138237		138249		138265		138291		138317	
1 11/16			138250		138266		138292		138318	
1 3/4			138251		138267		138293		138319	
1 7/8			138252		138268		138294		138320	
1 15/16			138253		138269		138295		138321	
2			138254		138270		138296		138322	
2 1/8		138239		138255	138271		138297		138323	
2 3/16					138272		138298		138324	
2 1/4					138273		138299		138325	
2 3/8				138256	138274		138300		138326	
2 7/16					138275		138301		138327	
2 1/2					138276		138302		138328	
2 5/8					138277		138303		138329	
2 11/16					138278		138304		138330	
2 3/4							138305		138331	
2 7/8				138257		138280	138306		138332	
2 15/16						138281	138307		138333	
3						138282	138308		138334	
3 1/8							138309		138335	
3 1/4									138336	
3 3/8						138283		138312	138337	
3 7/16									138338	
3 1/2									138339	
3 5/8									138340	
3 3/4									138341	
3 7/8										
3 15/16										
4										
4 3/8										
4 3/4										

Unless otherwise specified, all Dodge Disc Couplings are interference fit per AGMA 9002.
See page ___ for additional details

DODGE

Disc Couplings

Dodge Disc Coupling Inch Bore Hub Part Numbers

Complete Dodge Disc Coupling Consists of:
Quantity two hubs (standard or large) and quantity one spacer center assembly

Size Inch Bore (in)	210		236		263		286		310	
	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub
Reborable	138130	138154	138155	138178	138179	138200	138201	138221	138223	138224
1/2										
5/8										
3/4										
7/8										
15/16										
1										
1 1/8										
1 3/16										
1 1/4	138345									
1 3/8	138346									
1 7/16	138347									
1 1/2	138348									
1 5/8	138349									
1 11/16	138350									
1 3/4	138351		138380		138409					
1 7/8	138352		138381		138410					
1 15/16	138353		138382		138411					
2	138354		138383		138412		138439			
2 1/8	138355		138384		138413		138440			
2 3/16	138356		138385		138414		138441			
2 1/4	138357		138386		138415		138442			
2 3/8	138358		138387		138416		138443			
2 7/16	138359		138388		138417		138444			
2 1/2	138360		138389		138418		138445			
2 5/8	138361		138390		138419		138446			
2 11/16	138362		138391		138420		138447			
2 3/4	138363		138392		138421		138448			
2 7/8	138364		138393		138422		138449			
2 15/16	138365		138394		138423		138450			
3	138366		138395		138424		138451			
3 1/8	138367		138396		138425					
3 1/4	138368		138397		138426					
3 3/8	138369		138398		138427					
3 7/16	138370		138399		138428					
3 1/2	138371		138400		138429					
3 5/8	138372		138401		138430					
3 3/4	138373		138402		138431					
3 7/8	138374		138403		138432					
3 15/16	138375		138404		138433					
4	138376		138405		138434					
4 3/8			138406		138435					
4 3/4					138436					

Unless otherwise specified, all Dodge Disc Couplings are interference fit per AGMA 9002.
See page ___ for additional details

FEATURES/BENEFITS PAGE PT1-53	SPECIFICATION/HOW TO ORDER PAGE PT1-60	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

EASY SELECTION

DODGE

Disc Couplings

Dodge Disc Coupling Metric Bore Hub Part Numbers

Complete Dodge Disc Coupling Consists of:
Quantity two hubs (standard or large) and quantity one spacer center assembly

Size Metric Bore (mm)	94		115		139		165		193		210	
	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub
Reborable	138000	138020	138023	138046	138051	138076	138081	138103	138106	138129	138130	138154
9	138001		138024									
11	138002		138025									
12	138003		138026									
14	138004		138027		138052							
16	138005		138028		138053							
17	138006		138029		138054							
18	138007		138030		138055							
19	138008		138031		138056							
20	138009		138032		138057							
22	138010		138033		138058							
24	138011		138034		138059		138082					
25	138012		138035		138060		138083					
28	138013		138036		138061		138084		138107			
30	138014		138037		138062		138085		138108		138131	
32	138015		138038		138063		138086		138109		138132	
35	138016		138039		138064		138087		138110		138133	
38	138017		138040		138065		138088		138111		138134	
40	138018		138041		138066		138089		138112		138135	
42	138019		138042		138067		138090		138113		138136	
45			138043		138068		138091		138114		138137	
48		138022	138044		138069		138092		138115		138138	
50			138045		138070		138093		138116		138139	
55				138048	138071		138094		138117		138140	
56					138072		138095		138118		138141	
60				138049	138073		138096		138119		138142	
63					138074		138097		138120		138143	
65				138050	138075		138098		138121		138144	
70							138099		138122		138145	
71							138100		138123		138146	
75						138079	138101		138124		138147	
80						138080	138102		138125		138148	
85									138126		138149	
90									138127		138150	
95									138128		138151	
100											138152	
105											138153	
110												
120												
125												
130												

Unless otherwise specified, all Dodge Disc Couplings are supplied with interference fits per ISO R775.
See page ___ for additional details

DODGE

Disc Couplings

Dodge Disc Coupling Metric Bore Hub Part Numbers

Complete Dodge Disc Coupling Consists of:
Quantity two hubs (standard or large) and quantity one spacer center assembly

Size Metric Bore (mm)	236		263		286		310	
	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub
Reborable	138155	138178	138179	138200	138201	138221	138223	138224
9								
11								
12								
14								
16								
17								
18								
19								
20								
22								
24								
25								
28								
30								
32								
35	138156							
38	138157							
40	138158							
42	138159							
45	138160		138180					
48	138161		138181					
50	138162		138182		138202			
55	138163		138183		138203			
56	138164		138184		138204			
60	138165		138185		138205			
63	138166		138186		138206			
65	138167		138187		138207			
70	138168		138188		138208			
71	138169		138189		138209			
75	138170		138190		138210			
80	138171		138191		138211			
85	138172		138192		138212			
90	138173		138193		138213			
95	138174		138194		138214			
100	138175		138195		138215			
105	138176		138196		138216			
110	138177		138197		138217			
120			138198		138218			
125			138199		138219			
130					138220			

Unless otherwise specified, all Dodge Disc Couplings are supplied with interference fits per ISO R775.
See page ___ for additional details

NEW PRODUCT

DODGE Moment Couplings

DODGE Moment Couplings are specifically designed to make the rigid connection between the output shaft of a gearbox and an overhung driven load, commonly a head pulley. Highly engineered to meet the most rigorous application requirements, these couplings are capable of handling both the required application torque and the bending moment forces of the suspended weight of a drive package, including the gearbox, motor, high-speed coupling, and swing base.

Moment Coupling hubs are designed to maximize the bore range of the driver and driven shafts. The male and female hubs are manufactured from 4140 alloy steel and are assembled with Grade 8 bolts. Suitable for a wide range of applications, DODGE Moment Couplings span a torque range of 100,000 to 920,000 inch-pounds and may be used in DODGE MagnaGear packages and in other operations.

Information needed from the customer for DODGE engineering to select the appropriate Moment Coupling for an application:

- Horse Power / Torque / Speed Requirements
- Driver and Driven Shaft Sizes
- Overhung Load
- Length of Lever Arm
- Application Specifics: Type of Operation; Required Stops and Starts; Shock Loads and Vibration

For more information on Couplings contact your authorized DODGE distributor or log onto www.dodgeindustrial.com.

FEATURES/BENEFITS

Chain Couplings

DODGE Chain Couplings offer a simple, widely accepted and inexpensive way to couple two shafts. They are interchangeable with industry standard dimensions. DODGE Chain Couplings can be provided with TAPER-LOCK bushed hubs, finished bore or reboreable flanges. Chain coupling covers and chain assemblies are also available from stock.

Low Operating Cost
- Long service life
- Inexpensive initial investment
- Economical replacement costs

Broad Product Line
- Six popular TAPER-LOCK coupling sizes
- Eleven popular straight bore sizes
- Stocked covers available for higher speeds

Shaft Attachment Flexibility
- TAPER-LOCK bushings
- Slip fit with setscrews
- Interference fit

High Torque Capability
- Hardened tooth sprockets
- ANSI standard double width roller chain

Compact Design
- All metallic components
- Excellent torque to bore compatibility

NOTE: Instruction manual for Chain Couplings and TAPER-LOCK Bushings available on www.dodgeindustrial.com

SPECIFICATION/HOW TO ORDER/NOMENCLATURE

DODGE

Chain Couplings

SPECIFICATION

Chain Couplings transmit torque through two hubs with hardened sprocket teeth and a double width roller chain. The chain is wrapped around the sprocket and connected with a link or pin for easy installation or removal. The Chain Coupling allows for misalignment through the clearances between chain and sprocket teeth. The coupling allows 2° angular misalignment,.015" parallel misalignment and up to.300" shaft end float. The temperature range is -30°F to +225°F.

The coupling hubs have optional methods of attachment to the shaft including but not limited to: clearance fit, interference fit or TAPER-LOCK bushings. Clearance fits and interference fits are supplied with an industry standard keyway. Clearance fits are supplied with one set screw over the keyway.

Aluminum covers with elastomeric seals contain lubricant and protect the chain and teeth in an abrasive or corrosive atmosphere.

HOW TO ORDER

Standard couplings consist of:

(2) Flanges

(1) Chain Assembly

(1) Cover (check RPM requirements on page PT1-68)

NOMENCLATURE

FB 60 18

FB = Finished Bore
B = Reborable
Blank = TAPER-LOCK

Chain Size

Number of Teeth

DODGE

Chain Couplings

Basic Size No.	Max. Bore			Max. RPM		*HP Ratings at Various RPM 1.0 Service Factor									
	TAPER-LOCK	Finished Bore	Reborable	Without Covers	With Covers	10	20	40	60	80	100	150	200	250	300
4012	..	3/4	7/8	875	5000	0.22	0.43	0.86	1.29	1.72	2.15	2.83	3.43	4.03	4.57
4016	1-1/8	1-1/8	1-5/16	875	5000	0.38	0.77	1.53	2.30	3.06	3.83	5.02	6.06	7.14	8.08
5012	...	1-1/8	1-1/8	875	...	40	0.81	1.61	2.42	3.23	4.03	5.30	6.39	7.57	8.57
5016	...	1-5/8	1-11/16	800	4000	0.73	1.46	2.93	4.39	5.86	7.32	9.60	11.7	13.7	15.5
5018	1-11/16	...	2	800	4000	0.95	1.89	3.79	5.68	7.57	9.47	12.4	15.0	17.7	20.0
6018	...	2-7/16	2-7/16	675	3000	1.73	3.46	6.92	10.4	13.8	17.3	22.9	27.6	32.5	36.8
6020	2-1/8	...	2-3/4	675	3000	2.25	4.50	9.01	13.5	18.0	22.5	29.6	35.6	42.0	47.6
8018	...	2-7/8	3-1/8	500	2000	3.86	7.72	15.4	23.2	30.9	38.6	50.8	61.4	72.3	81.5
8020	3-1/4	...	3-9/16	500	2000	5.03	10.1	20.1	30.2	40.3	50.3	66.1	79.7	94.0	106.0
10020	3-15/16	...	4-5/8	450	1800	8.68	17.4	34.7	52.1	69.4	86.8	115.0	139.0	162.0	184.0
12018	...	...	4-11/16	400	...	13.7	27.3	54.6	82.0	109.0	137.0	178.0	217.0	253.0	288.0
12020	4-7/16	...	...	400	1600	16.8	33.6	67.2	101.0	134.0	168.0	218.0	264.0	308.0	350.0

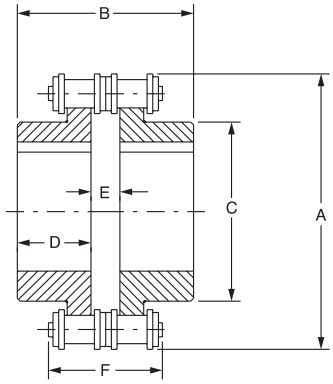
* TAPER-LOCK Bushings are not recommended below 250 RPM

Basic Size No.	Max. Bore			Max. RPM		HP Ratings at Various RPM 1.0 Service Factor									
	TAPER-LOCK	Finished Bore	Reborable	Without Covers	With Covers	350	400	500	600	800	1000	1200	1400	160	1800
4012	..	3/4	7/8	875	5000	5.10	5.57	6.55	7.56	9.42	11.3	13.1	14.9	16.6	18.2
4016	1-1/8	1-1/8	1-5/16	875	5000	9.04	9.89	11.6	13.4	16.7	20.1	23.0	26.3	29.3	32.7
5012	...	1-1/8	1-1/8	875	...	9.41	10.42	12.2	14.1	17.5	21.0	...	...	..	...
5016	...	1-5/8	1-11/16	800	4000	17.3	18.9	22.3	25.7	32.0	38.3	44.5	50.4	56.2	61.9
5018	1-11/16	...	2	800	4000	22.4	24.5	28.8	33.1	41.4	49.7	56.8	65.1	72.6	80.9
6018	...	2-7/16	2-7/16	675	3000	41.2	44.9	53.0	60.9	75.9	90.7	105.0	120.0	134.0	147.0
6020	2-1/8	...	2-3/4	675	3000	53.2	58.2	68.5	78.8	98.5	118.0	135.0	155.0	173.0	192.0
8018	...	2-7/8	3-1/8	500	2000	91.5	99.8	118.0	135.0	169.0	202.0	234.0	266.0	297.0	326.0
8020	3-1/4	...	3-9/16	500	2000	119.0	130.0	153.0	176.0	220.0	264.0	302.0	346.0	386.0	430.0
10020	3-15/16	...	4-5/8	450	1800	205.0	225.0	265.0	305.0	380.0	454.0	527.0	598.0	667.0	734.0
12018	...	...	4-11/16	400	...	322.0	355.0	...	...	...	...	...	...		
12020	4-7/16	...	...	400	1600	391.0	432.0	510.0	585.0	708.0	877.0	1003.0	1135.0	1273.0	....

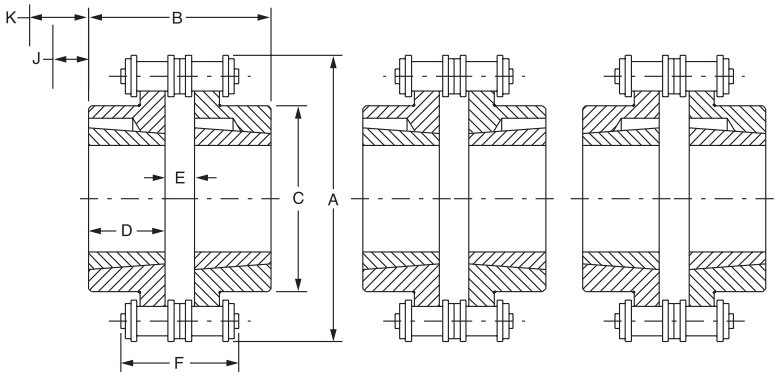
SELECTION/DIMENSIONS

Chain Couplings

STANDARD, STRAIGHT BORE AND TAPER-LOCK - FLANGES DIMENSIONS, RATINGS



STRAIGHT BORE CHAIN COUPLING



TAPER-LOCK CHAIN COUPLING

Ratings

Coupling Size	Straight Bore		TAPER-LOCK		Max. RPM		Weight (lbs.) (1)	
	Min.	Max.	Min.	Max.	Without Cover	With Cover	Str.	TL
4012	1/2	7/8	---	---	875	5000	2.20	---
4016	5/8	1-5/16	1/2	1-1/8	875	5000	3.80	2.70
5012	5/8	1-1/8	---	---	875	---	3.10	---
5016	5/8	1-11/16	---	---	800	4000	5.00	---
5018	3/4	2	1/2	1-11/16	800	4000	6.00	6.00
6018	1	2-7/16	---	---	675	3000	9.90	---
6020	1-1/8	2-3/4	1/2	2-1/8	675	3000	12.25	12.70
8018	1-1/8	3-1/8	--	---	500	2000	31.10	---
8020	1-1/2	3-9/16	7/8	3-1/4	500	2000	33.50	31.10
10020	1-1/2	4-5/8	1-3/16	3-15/16	450	1800	80.00	77.90
12018	2	4-11/16	---	---	400	---	110.00	---
12020	---	---	1-7/16	4-7/16	400	1600	---	135.00

Dimensions

Coupling Size	A	B		C	D		E		K (2)	J (3)
		Str.	T-L		Str.	T-L	Str.	T-L		
4012	2.41	2.53	---	1.41	1.13	---	0.28	---	---	---
4016	3.03	2.53	2.04	1.97	1.13	0.88	0.28	0.28	0.75	0.63
5012	3.00	2.88	---	1.75	1.25	---	0.38	---	---	---
5016	3.91	3.25	---	2.50	1.44	---	0.38	---	---	---
5018	4.19	3.75	2.38	2.97	1.69	1.00	0.38	0.38	1.06	0.81
6018	5.00	4.23	---	3.50	1.88	---	0.47	---	---	---
6020	5.50	4.47	2.94	3.88	2.00	1.25	0.47	0.47	1.38	0.94
8018	666	5.35	---	4.56	2.38	---	0.59	---	---	---
8020	7.30	5.85	4.59	5.38	2.63	2.00	0.59	0.59	2.06	1.19
10020	9.13	6.97	7.63	6.72	3.13	3.50	0.72	0.72	2.34	1.31
12018	10.00	7.88	---	6.75	3.50	---	0.86	---	---	---
12020	10.94	---	8.75	7.75	---	4.00	---	0.86	3.38	1.63

(1) Weight of complete coupling with cover at maximum bore (5012 & 12018 are without cover).

(2) Space required to loosen bushing with shortened hex key.

Chain Couplings

TAPER-LOCK, Reborable, Finished Bore Flanges - Part Number

Bore (in.)	Coupling Size											
	4012	4016	5012	5016	5018	6018	6020	8018	8020	10020	12018	12020
Chain Assembly	100480	100490	100489	100481	100491	100482	100492	100483	100493	100495	100497	100496
TL-H	---	• 099049	---	---	• 099053	---	• 099055	---	• 099057	• 099061	---	• 099063
TL-F	---	• 099048	---	---	• 099052	---	• 099054	---	• 099056	• 099060	---	• 099062
Bushing	---	1108	---	---	1610	---	2012	---	3020	3535	---	4040
Reborable	• 099190	• 099151	• 099150	• 099152	• 099161	• 099153	• 099162	• 099154	• 099163	• 099164	• 099226	
Finished Bore Hubs 1/2"	• 099100											
5/8"	• 099101	• 099138										
3/4"	• 099102	• 099103	• 099132	• 099141	• 099193							
7/8"		• 099104	• 099133	• 099107	• 099194							
15/16"		• 099139	• 099134									
1"		• 099105	• 099135	• 099108	• 099195	• 099142						
1-1/8"		• 099106	• 099136	• 099109	• 099196	• 099143	• 099209	• 099146				
1-3/16"		• 099191		• 099192	• 099197	• 099206						
1-1/4"		• 099140		• 099110	• 099198	• 099115	• 099210					
1-3/8"				• 099111	• 099199	• 099116						
1-7/16"				• 099112	• 099200	• 099117						
1-1/2"				• 099113	• 099201	• 099118	• 099211		• 099219			
1-5/8"				• 099114	• 099202	• 099119						
1-3/4"					• 099203	• 099120	• 099212	• 099147				
1-7/8"					• 099204	• 099121						
1-15/16"					• 099205	• 099122	• 099213	• 099125				
2"						• 099123		099126				
2-1/8"						• 099124	• 099214	• 099127				
2-3/16"						• 099207			• 099220			
2-1/4"						• 099208						
2-3/8"						• 099144	• 099215	• 099128				
2-7/16"						• 099145	• 099216	• 099129	• 099221			
2-5/8"							• 099217	• 099130				
2-11/16"									• 099222			
2-7/8"								• 099131				
2-15/16"								• 099218	• 099223			
3-1/8												
3-3/8									• 099224			
3-7/16									• 099225			

• Stock Sizes

Complete coupling consists of:

(2) Hubs, TAPER-LOCK, straight bore, or reborable
(1) Chain Assembly
(1) Cover Assembly (if required)

NOTE: For TAPER-LOCK designs, TAPER-LOCK bushings must be ordered separately

SELECTION/DIMENSIONS

Chain Couplings

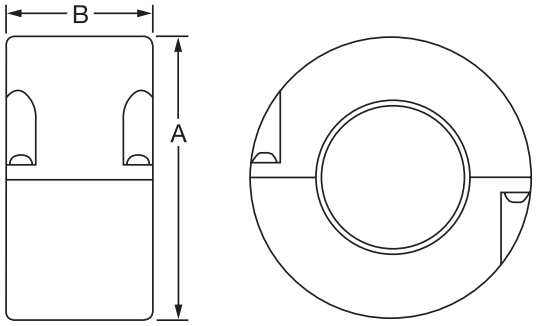
CHAIN COUPLING COVERS

Chain coupling covers are recommended for use when couplings are operating under abrasive or moist conditions, or when coupling speeds exceed the RPM listed in the table below.

Cover should be filled with a roller bearing grease of soft or medium consistency. This provides excellent lubrication and substantially increases coupling life.

Chain Coupling Cover Recommendation

Coupling Size	Cover required when Coupling RPM exceeds this figure
4012	875
4016	875
5016	800
5018	800
6018	675
6020	675
8018	500
8020	500
10020	450
12020	400



Chain Coupling Cover Assemblies ▲

For Coupling Size	Cover Size	Part No.	Wt. (lbs.)	A	B
4012 4016	40	**099026**	1.0	4.00	2.00
5016 5018	50	**099027**	1.3	5.13	2.38
6018 6020	60	**099028**	2.6	6.38	2.94
8018 8020	80	**099029**	5.1	8.19	4.00
10020	100	**099024**	12.2	10.13	5.25
12020	120	**099025**	19.5	12.25	6.13

▲ **Consists of (2) cover halves and screws; (4) seals for cover sizes 4012/4016 thru 8012/8020; (2) seals for cover sizes 10020 and 12020; and (2) cover gaskets.**

POLY-DISC

SPECIFICATION

POLY-DISC Couplings are a pin type coupling using a molded polyurethane disc. The physical properties of the disc allow for the cushioning of shock loads and the resistance to most common chemicals such as acids, alkalis and petroleum products. The disc has an operating range of -90°F to +170°F.

The flexible disc is captured through metallic pins, utilizing a light press fit over the pins to prevent the accumulation of abrasive particles between the disc and pins. The pin holes are barreled to allow 2° angular misalignment and the flexible disc allows 1/32" parallel misalignment. The disc has spacer buttons to achieve automatic flange spacing which speeds up installation. Both flanges are machined all over and are taper bored to receive TAPER-LOCK bushings to permit quick and easy installation and removal on shafts of equal or different diameters.

HOW TO ORDER

Consists of:

(2) TAPER-LOCK Flanges
(2) TAPER-LOCK Bushings
(1) POLY-DISC Element

NOMENCLATURE

3-1/4 - H

Size — (O.D. of Coupling)

Type of T-L Flange
H-Bushing instals from hub side
F-Bushing installs from flange size

NOTE: Instruction manuals for POLY-DISC Couplings available on www.dodgeindustrial.com

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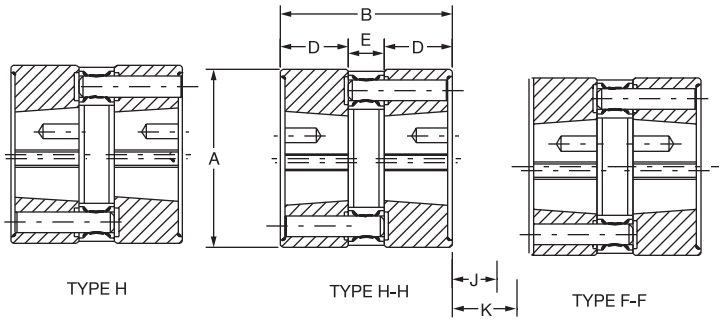
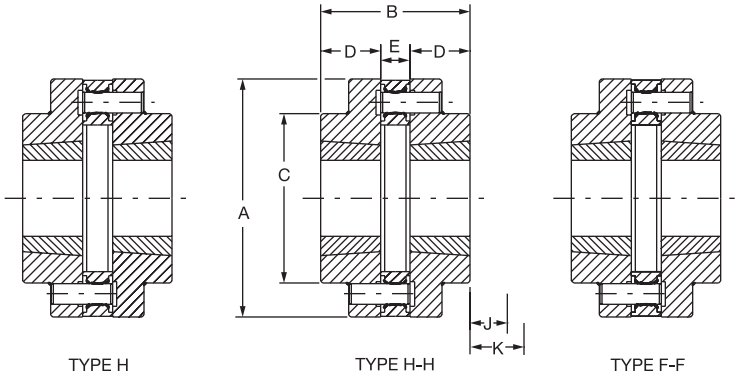
SPECIFICATION/HOW TO ORDER NOMENCLATURE

DODGE

POLY-DISC

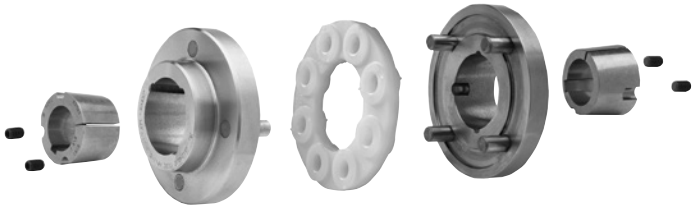


SIZE 2-5/8 & 3-1/4



SIZES 4 THRU 10

Coupling Size	TL Bushing Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lb)	Max. RPM	A	B	C	D	E	J	K	Weight (Lbs.)	Inertia (Lb-Ft²)	Holes In disc
2-5/8	1008	1/2	1	0.29	180	3600	2.63	2.56	2.63	1.00	0.69	0.63	0.75	2.50	2.30	6
3-1/4	1210	1/2	1-1/4	0.57	360	3600	3.25	2.88	3.25	1.13	0.75	0.81	1.06	4.15	6.20	6
4	1215	1/2	1-1/4	0.95	600	3600	4.00	3.63	2.63	1.50	0.63	0.81	1.06	5.80	10.00	8
5-1/4	1615	1/2	1-11/16	2.29	1440	3600	5.25	3.75	3.25	1.50	0.75	0.81	1.06	12.10	34.40	8
7	2517	1/2	2-11/16	4.6	2900	3000	7.00	4.38	4.97	1.75	0.88	1.00	1.63	25.90	141.20	10
8	2517	1/2	2-11/16	10	6300	2400	8.00	4.63	5.00	1.75	1.13	1.00	1.63	34.10	246.70	12
10	3030	15/16	3-1/4	17.26	10900	2000	10.00	7.5	6.00	3.00	1.50	1.31	2.69	77.70	866.00	12



POLY-DISC Part Numbers

Coupling Size	TL Bushing Size	T-L Flanges		Disc
		Type H	Type F	
2-5/8	1008	**008057**	**008058**	**008030**
3-1/4	1210	**008059**	**008060**	**008031**
4	1215	**008041**	**008040**	**008032**
5-1/4	1615	**008043**	**008042**	**008033**
7	2517	**008045**	**008044**	**008034**
8	2517	**008047**	**008046**	**008035**
10	3030	**008049**	**008048**	**008036**

Complete coupling consists of:

- **(2) TAPER-LOCK Flanges**
- **(2) TAPER-LOCK Bushings**
- **(1) POLY-DISC Element**

NOTE: TAPER-LOCK bushings ordered separately. Refer to Bushing section PT6-15

RIGID COUPLINGS

TAPER-LOCK Rigid

TAPER-LOCK RIGID SPECIFICATION

Rigid Couplings provide a connection between two perfectly aligned shafts. Flanged Rigid Couplings consist of two flanges joined by bolts and are taper bored for TAPER-LOCK bushings to connect shafts of the same or different diameters.

HOW TO ORDER

TAPER-LOCK consist of:
(1) Male Flange Assembly
(1) Female Flange

NOMENCLATURE

T-L Rigid R 35
Size
(Designated size of TAPER-LOCK Bushing)

NOTE: Instruction manuals for TAPER-LOCK Bushings available on www.dodgeindustrial.com

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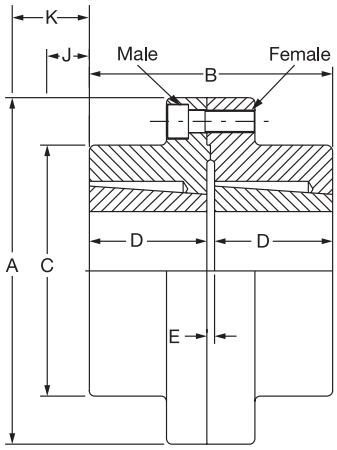
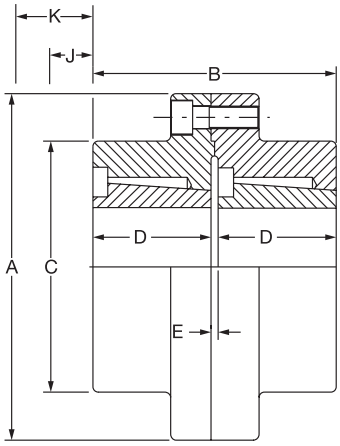
SELECTION/DIMENSIONS

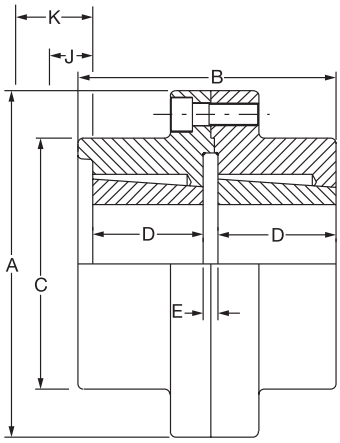
TAPER-LOCK RIGID



R16 TO R30



R35 TO R50



R60

Size	Bushing Size	Min. Bore	Max. Bore	HP/100	Torque (In Lb)**	Max. RPM	A	B	C	D	E	J*	K†	Weight (Lbs.)
R16	1615	1/2	1-11/16	8.0	5,050	4965	5.00	3.25	3.25	1.50	0.25	0.81	1.06	8.00
R25	2517	1/2	2-11/16	29.2	18,400	3545	7.00	3.75	5.00	1.75	0.25	1.00	1.63	19.10
R30	3030	15/16	3-1/4	50.5	31,800	2920	8.50	6.25	5.75	3.00	0.25	1.19	2.06	38.10
R35	3535	1-3/16	3-15/16	80.0	50,500	2545	9.75	7.25	7.00	3.50	0.25	1.31	2.69	62.20
R40	4040	1-7/16	4-7/16	120	75,500	2115	11.75	8.25	8.50	4.00	0.25	1.63	3.38	105.60
R45	4545	1-15/16	4-15/16	170	107,000	1910	13.00	9.25	9.50	4.50	0.25	1.94	4.06	146.70
R50	5050	2-7/16	5-5/16	233	147,000	1740	14.25	10.25	10.50	5.00	0.25	2.31	4.81	194.40
R60	6050	3-7/16	6	404	254,500	1240	20.00	13.25	16.00	5.00	1.75	1.63	4.38	526.70

* Space required to tighten bushing with shortened hex key in bushings 1615 through 5050. 6050 uses standard wrench. Also space required to loosen screws to permit removal of hub by a puller

† Space required to loosen bushing using screws as jack screws-no puller required. Use shortened hex key for bushing 1615 through 5050. 6050 uses standard wrench

** Ratings are based on uniform, non-reversing type loads. For more severe conditions, consult DODGE

TL Rigid couplings are capable of accommodating keyless locking devices for use with non-keyed shafting. Please contact DODGE for further details.

NOTE: Instruction manuals for TAPER-LOCK Rigid Couplings and TAPER-LOCK Bushings available on www.dodgeindustrial.com

TAPER-LOCK Rigid Part Numbers

Coupling Size	Bushing Size	Standard		Stainless Steel*	
		Male Flange Assembly	Female Flange	Male Flange Assembly	Female Flange
R16	1615	**003001**	**003002**	**394157**	**394158**
R25	2517	**003003**	**003004**	**424453**	**424452**
R30	3030	**003005**	**003006**	**424490**	**424491**
R35	3535	**003007**	**003008**	**394455**	**393340**
R40	4040	**003009**	**003010**	**394032**	**394035**
R45	4545	**003011**	**003012**	**395635**	**395634**
R50	5050	**003013**	**003014**	**395637**	**395636**
R60	6050	**003015**	**003016**	**395639**	**395638**

Complete coupling consists of:

(1) Male Flange Assembly

(1) Female Flange

(2) TL Bushings

*** Stainless Steel TL Rigid couplings include zinc coated hardware.**

Hardware supplied with male flange

Available in reverse mount

NOTE: TAPER-LOCK bushings ordered separately. Refer to bushing section PT6-16

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Rigid Couplings

RIBBED RIGID

RIBBED RIGID SPECIFICATION

Rigid Couplings provide a connection between two perfectly aligned shafts. Ribbed Rigid Couplings are axially split to clamp on shafts of the same diameter and held together by bolts. The coupling uses one key over the entire length and permits quick and easy installation and removal.

HOW TO ORDER

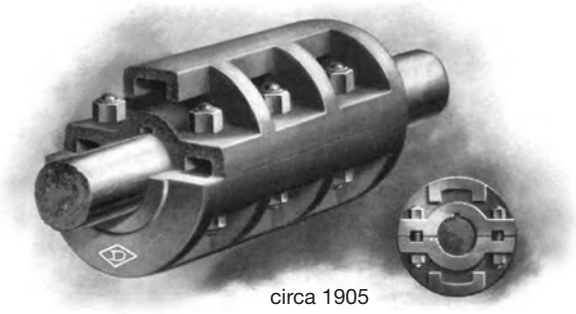
TAPER-LOCK consist of:
(1) Ribbed Rigid Coupling Assembly
(Complete, by bore size)

NOMENCLATURE

Ribbed Rigid 2-3/4
Bore Size of Coupling

SELECTION/DIMENSIONS

Ribbed Rigid



circa 1905

"Grim Death" Compression Coupling as presented in the 1905 Dodge Catalog, is an original Dodge design. "Grim Death" is a substantial safety coupling adapted to any class of service, and complies with all legal requirements as to safety by having bolt heads and nuts protected. "Grim Death" coupling is finished and polished on periphery and faced on ends.

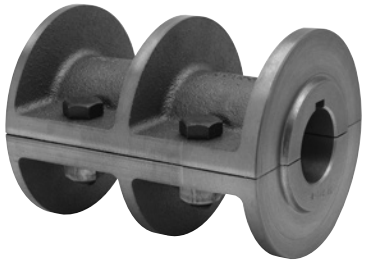


Figure 1
Today's Ribbed Rigid Coupling

For Nominal Shaft of:	Style Cplg. Figure no.	Part Number	Max RPM	Torque (In-Lb)	Weight	Coupling Dia x Length	Keyway Size	Key Furnished	Bolts	
									No.	Dia.
1	1	**009001**	5360	1200	6.0	3-5/8 x 5-1/4	1/4 x 1/8	1/4 x 1/4 x 5-1/4	4	3/8
1-3/16	1	**009002**	5360	2000	5.5					
1-1/4	1	**009003**	5360	2300	5.2					
1-3/8	1	**009004**	4130	3100	11.0	4-5/8 x 6-3/16	5/16 x 5/32	5/16 x 5/16 x 6-3/16	4	1/2
1-7/16	1	**009005**	4130	3500	10.5	4-5/8 x 6-3/16	3/8 x 3/16	3/8 x 3/8 x 6-3/16	4	1/2
1-1/2	1	**009006**	4130	4000	10.2					
1-11/16	1	**009007**	3965	5700	13.7	4-13/16 x 7-1/16	3/8 x 3/16	3/8 x 3/8 x 7-1/16	4	1/2
1-3/4	1	**009008**	3965	6300	13.3					
1-7/8	★	**009009**	3635	7800	19.4	5-1/4 x 7-15/16	1/2 x 1/4	1/2 x 1/2 x 7-15/16	4	1/2
1-15/16		**009010**	3635	8600	20.6					
2		**009011**	3635	9400	20.0					
2-3/16	★	**009013**	3180	12400	29.1	6 x 8-5/8	1/2 x 1/4	1/2 x 1/2 x 8-5/8	4	5/8
2-1/4		**009012**	3180	13400	29.0					
2-7/16	2	**009015**	2965	17100	37.3	6-7/16 x 9-11/16	5/8 x 5/16	5/8 x 5/8 x 9-11/16	6	5/8
2-1/2	2	**009016**	2965	18400	36.6					
2-11/16	2	**009017**	2830	22900	43.4	6-3/4 x 10-9/16	5/8 x 5/16	5/8 x 5/8 x 10-9/16	6	5/8
2-3/4	2	**009014**	2830	24500	43.0					
2-15/16	2	**009019**	2545	29900	58.7	7-1/2 x 11-3/8	3/4 x 3/8	3/4 x 3/4 x 11-3/8	6	3/4
3	2	**009020** ✻	2545	31800	56.2					
3-3/16	2	**009022**	2315	38200	80.5	8-1/4 x 12-1/4	3/4 x 3/8	3/4 x 3/4 x 12-1/4	6	7/8
3-1/4	2	**009021** ✻	2315	40500	80.0	8-1/4 x 12-1/4	3/4 x 3/8	3/4 x 3/4 x 12-1/4	6	7/8
3-7/16	2	**009023**	2165	47900	94.6	8-13/16 x 13-3/16	7/8 x 7/16	7/8 x 7/8 x 13-3/16	6	7/8
3-1/2	2	**009024** ✻	2165	50500	94.0	8-13/16 x 13-3/16	7/8 x 7/16	7/8 x 7/8 x 13-3/16	6	7/8
3-15/16	2	**009025**	1900	72000	146.6	10-1/16 x 15-1/4	1 x 1/2	1 x 1 x 15-1/4	6	1
4	2	**009027** ✻	1900	75400	146.0	10-1/16 x 15-1/4	1 x 1/2	1 x 1 x 15-1/4	6	1
4-7/16	3	**009026**	1775	103000	215.0	10-3/4 x 18-3/16	1 x 1/2	1 x 1 x 18-3/16	6	1-1/8
4-1/2	3	**009031** ✻	1775	107400	214.4	10-3/4 x 18-3/16	1 x 1/2	1 x 1 x 18-3/16	6	1-1/8
4-15/16	3	**009028**	1625	142000	276.3	11-3/4 x 19-5/8	1-1/4 x 5/8	1-1/4 x 1-1/4 x 19-5/8	6	1-1/8
5	3	**009043** ✻	1625	147500	275.6	11-3/4 x 19-5/8	1-1/4 x 5/8	1-1/4 x 1-1/4 x 19-5/8	6	1-1/8
5-7/16	4	**009029**	1390	190000	426.2	13-3/4 x 20-3/8	1-1/4 x 5/8	1-1/4 x 1-1/4 x 20-3/8	8	1-1/8
5-1/2	4	**009050** ✻	1390	196000	425.4	13-3/4 x 20-3/8	1-1/4 x 5/8	1-1/4 x 1-1/4 x 20-3/8	8	1-1/8
5-15/16	3	**009042** ✻	1365	247000	426.0	14 x 20-3/4	1-1/2 x 3/4	1-1/2 x 1-1/2 x 20-3/4	6	1-1/4
6	3	**009054** ✻	1365	255000	425.3	14 x 20-3/4	1-1/2 x 3/4	1-1/2 x 1-1/2 x 20-3/4	6	1-1/4
7	4	**009044** ✻	1230	404000	560.8	15-1/2 x 21-15/16	1-3/4 x 3/4	1-3/4 x 1-1/2 x	8	1-1/4

★ Same as Fig. 1 except with a rib parallel to the bore between each pair of flanges

✻ Standard non-stock size. Consult DODGE Engineering for delivery

Note: Coupled shafts must be the same diameters

NOTE: Instruction manuals for Ribbed Rigid Couplings available on www.dodgeindustrial.com

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DODGE

PARA-FLEX Elements - Part Numbers

Element Size	Standard	Neoprene (1)	Cordless (2)	Weight (Lbs)
	Part No.	Part No.	Part No.	
PX40	**011529**	**012455**	**012456**	0.3
PX50	**011105**	**011296**	**011285**	0.7
PX60	**011106**	**011297**	**011286**	1.2
PX70	**011107**	**011298**	**011287**	1.6
PX80	**011108**	**011299**	**011288**	2.2
PX90	**011109**	**011300**	**011289**	2.6
PX100	**011110**	**011301**	**011290**	2.5
PX110	**011111**	**011302**	**---**	3.0
PX120	**011112**	**011303**	**011292**	4.8
PX140	**011114**	**011304**	**---**	5.6
PX160	**011117**	**011305**	**---**	9.1
PX200	**011120**	**011306**	**---**	20.8
PX240	**011124**	**011312**	**---**	27.0
PX280	**011457**	**011313**	**---**	45.0
PX320	**011463**	**011315**	**---**	80.0

(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

High Speed/Flywheel Elements			
Element Size	Standard Part No.	Neoprene Part No. (1)	Weight (lbs)
PH87	**011227**	**011266**	1.20
PH96	**011228**	**011267**	1.80
PH116	**011230**	**011268**	2.00
PH131	**011231**	**011269**	3.50
PH172	**011234**	**011270**	7.50
PH192	**011236**	**011271**	9.30
PH213	**011239**	**011272**	13.90
PH252	**011242**	**011273**	27.00

(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

Elastomer Compatibility

Ratings: 1- Minor Effect 2-Moderate Effect 3-Severe Effect nd-No Data

Substance	Nat. Rubber	Neo-prene	EPDM	Hytrel	Substance	Nat. Rubber	Neo-prene	EPDM	Hytrel
Acetic Acids	2	1	1	1	Hydrobromic Acid (40%)	1	2	1	nd
Acetic Anhydride	2	1	2	nd	Kerosene	3	2	3	nd
Alcohols, Monohydric	2	1	2	nd	Lacquers	3	3	3	2
Ammonia Anhydrous	3	1	1	nd	Lead Sufamate	2	1	1	nd
ASTM A Oils	3	1	1	1	Mineral Oil	3	2	2	1
Animal Fats	3	2	2	nd	Naphtha	3	2	3	1
Benzene	3	3	3	2	Nickel Chloride	1	2	1	nd
Carbonic Acid	3	2	2	nd	Nitric Acid (10%)	1	2	2	2
Calcium Bisulfite	2	1	3	nd	Ozone	3	2	1	nd
Chloracetone	2	2	1	2	Petroleum (<250°F)	3	2	3	nd
Chloroacetic Acid	2	1	1	nd	Potassium Dichromate	2	1	1	nd
Copper Sulphate	2	1	1	1	Salt Water	1	2	1	1
Corn Oil	2	2	2	nd	Silicone Oils	1	1	1	1
Diesel Oil	3	2	3	1	Sulfuric Acid (Conc.)	3	3	3	3
Fuel Oil	3	2	3	1	Vinegar	2	1	1	nd
Gasoline	2	2	3	1	Zinc Sulfate	2	1	1	nd

MODIFICATIONS/ ACCESSORIES

GRID-LIGN Replacement Grids, Covers, and Seals - Part Numbers

Coupling Size	Grid	T10 Cover Assembly	T10 Seal Kit	T20 Cover Assembly	T20 Seal Kit
1020T	**006275**	**006250**	**006805**	**006260**	**006815**
1030T	**006276**	**006251**	**006806**	**006261**	**006816**
1040T	**006277**	**006252**	**006807**	**006262**	**006817**
1050T	**006278**	**006253**	**006808**	**006263**	**006818**
1060T	**006279**	**006254**	**006809**	**006264**	**006819**
1070T	**006280**	**006255**	**006810**	**006265**	**006820**
1080T	**006281**	**006256**	**006811**	**006266**	**006821**
1090T	**006282**	**006257**	**006812**	**006267**	**006822**
1100T	**006283**	**006258**	**006813**	**006268**	**006823**
1110T	**006284**	**006259**	**006814**	**006269**	**006824**
1120T	**007462**	**007471**	**007520**	**426672**	**007529**
1130T	**007463**	**007472**	**007521**	**426673**	**007530**
1140T	**007464**	**007473**	**007522**	**426674**	**007531**
1150T	**007465**	**007474**	**007523**	**007011**	**007532**
1160T	**007466**	**007475**	**007524**	**007012**	**007533**
1170T	**007467**	**007476**	**007525**	**007013**	**007534**
1180T	**007468**	**007477**	**007526**	**007014**	**007535**
1190T	**007469**	**007478**	**007527**	**007015**	**007536**
1200T	**007470**	**007479**	**007528**	**007016**	**007537**

Chain Coupling: Chain Assemblies And Covers - Part Numbers

Coupling Size	Chain Assembly	Chain Assembly Weight (Lbs.)	Cover Assembly (1)	Cover Assembly Weight (Lbs.)
4012	**100480**	.4	**099026**	1.0
4016	**100490**	.6	**099026**	1.0
5012	**100489**	.9	**N/A**	N/A
5016	**100481**	1.4	**099027**	1.3
5018	**100491**	1.4	**099027**	1.3
6018	**100482**	2.7	**099028**	2.6
6020	**100492**	2.7	**099028**	2.6
8018	**100483**	6.1	**099029**	5.1
8020	**100493**	6.1	**099029**	5.1
10020	**100495**	11.0	**099024**	12.2
12018	**100497**	20.0	**N/A**	N/A
12020	**100496**	20.0	**099025**	19.5

(1) Cover assemblies consist of cover halves, screws, seals, and cover gaskets.

PARA-FLEX Nickel Plated Screws

Flange Assembly Size	Screw Size (2)	Part Number	Number per Flange (3)
PX70, PX80	5/16-18X1-1/2	**411767**	5, 6
PX90, PX100	3/8-16X1-3/4	**411768**	6
PX120	1/2-13X2	**411770**	6
PX140	1/2-13X2-1/4	**411771**	8

(2) Nickel plated Grade 8 hex head cap screws. Screws not available from stock for PX140 with iron flanges. For sizes not listed, contact DODGE.

(3) 5 required for PX70; 6 for PX80.

NOTE: Product installation and maintenance instructions can be found at www.dodgeindustrial.com

Selection Methods:

D-FLEX, PARA-FLEX, GRID-LIGN, GEAR, POWER-PLUS, POLY-DISC, & RIGID COUPLINGS

HP/100 METHOD

Step 1: Obtain required service factor from Service Factor Tables on pages PT1-83 and PT1-84.

Step 2: Determine the application HP per 100 RPM:

$$\text{HP / 100 RPM} = \frac{\text{Motor HP x 100 x Service Factor}}{\text{Coupling RPM}}$$

Step 3: From Rating Tables, find a rating equal to or greater than the HP/100 RPM. Note coupling size from left hand column.

Step 4: Check maximum RPM capability.

Step 5: Check maximum bore capacity. If maximum bore is exceeded, move to larger size with adequate bore-but be sure maximum RPM of coupling is not exceeded

Step 6: If the GT Adapter System is utilized then ensure the keyless torsional holding power exceeds the application demands. From the application tables listed on PT1-10 and PT1-11, ensure the **Maximum Adapter Torque** for the shaft size exceeds the application torque that was calculated in Step 2.

TORQUE METHOD:

Step 1: Obtain required service factor from Service Factor Tables on pages PT1-83 and PT1-84

Step 2: Determine torque required for application.

$$\text{Torque (In - lbs)} = \frac{63025 \text{ x HP x SF}}{\text{Coupling RPM}}$$

Step 3: From Rating Tables, find a rating equal to or greater than the torque. Note coupling size from left hand column.

Step 4: Check maximum RPM capability

Step 5: Check maximum bore capacity. If maximum bore is exceeded, move to larger size with adequate bore-but be sure maximum RPM of coupling is not exceeded

CHAIN COUPLINGS

DESIGN HP METHOD:

Step1: Obtain required service factor from Service Factory Tables on pages PT1-84 and PT1-85

Step 2: Determine application HP:
HP Design = HP x SF

Step 3: From rating tables, select appropriate coupling RPM column and find a rating equal to or greater than HP design. Note coupling size from left hand column.

Step 4: Check maximum RPM capability

Step 5: Check maximum bore capacity. If maximum bore is exceeded, move to larger size with adequate bore-but be sure maximum RPM of coupling is not exceeded.

NOTE: If spring set motor brake is used, and brake HP is greater than prime mover, use brake HP in place of motor HP.

NOTE: If system peak torque is known and is non-reversing, start at Step 3. If system peak torque is known and reversing, multiply by 2.0 and start at Step 3

NOTE: **Selection program “Couple” available on www.ptwizard.com**

ENGINEERING/ TECHNICAL

DODGE

SERVICE FACTOR

Table 1

Application (Read Footnotes)	Factor Δ PARA -FLEX/ Poly-Disc	Grid Chain Rigid	D-FLEX	Gear	Power-Plus
AGITATORS					
Paddle or Propeller (Vert. or Horiz.)	1.00	1.00	1.25	1.00	1.25
Screw	1.00	1.00	1.25	1.00	1.25
BLOWERS					
Centrifugal	1.00	1.00	1.25	1.00	1.00
Lobe	1.50	1.25	1.50	1.25	1.50
Vane	1.00	1.25	1.25	1.25	1.25
BREWING & DISTILLING					
Bottling Machinery, Brew Kettle	1.00	1.00	1.25	1.00	1.00
Cooker (Continuous Duty)	1.00	1.00	1.25	1.00	1.25
Mash Tub	1.00	1.00	1.25	1.00	1.25
Scale Hopper-Frequent Starting Peaks	1.50	1.75	♦	1.75	1.75
CAN FILLING MACHINE	1.00	1.00	1.25	1.00	1.00
CAR DUMPER	1.50	2.50	2.00	2.50	2.00
CAR PULLER	1.50	1.50	1.50	1.50	1.50
CLARIFIER	1.00	1.00	1.25	1.00	1.25
CLASSIFIER	1.00	1.00	1.25	1.00	1.25
CLAY-WORKING MACHINES					
Brick Press, Briquette Mach., Clay Working Mach., Pug Mill	1.50	1.50	1.50	1.75	1.75
COMPRESSORS**					
Centrifugal. Lobe, Screw	1.00	1.00	1.25	1.00	1.00
Lobe, Rotary	2.00	1.25	2.00	1.25	1.50
Reciprocating					
1 cylinder - single acting	3.50	3.00	♦	3.00	3.50
1 cylinder - double acting	3.00	3.00	♦	3.00	3.00
2 cylinder- single acting	3.00	3.00	♦	3.00	3.00
2 cylinder - double acting	2.50	3.00	♦	3.00	2.50
3 cl. or more - single acting	2.50	3.00	♦	3.00	2.50
3 cl. or more - double acting	2.00	2.00	♦	2.00	2.00
CONVEYORS					
Apron, Assembly, Belt, Chain, Flight, Oven	1.00	1.00	1.25	1.00	1.25
Reciprocating	2.50	3.00	©	3.00	2.50
Screw	1.00	1.00	1.25	1.00	1.25
CRANES AND HOISTS					
Main Hoist-Medium Duty	1.50	1.75	1.50	1.75	1.75
Main Hoist-Heavy Duty	2.00	2.00	2.00	2.00	2.50
Skip Hoist, Travel Motion, Trolley	1.50	1.75	1.00	1.75	2.00
Motion, Slope	1.50	1.75	1.00	1.75	1.75
CRUSHERS					
Cane	2.00	2.00	2.00	2.00	2.00
Gyratory	2.50	2.50	♦	2.50	2.50

Application (Read Footnotes)	Factor Δ PARA -FLEX/ Poly-Disc	Grid Chain Rigid	D-FLEX	Gear	Power-Plus
DREDGES					
Cable Reel, Screen Drive, Stacker	1.50	1.75	1.50	1.75	1.75
Conveyor	1.50	1.75	1.50	1.25	1.75
Cutter Head Drive, Jig Drive	2.50	2.00	2.00	2.00	2.00
Pump, Utility Winch	1.50	1.75	1.50	1.50	1.75
DYNAMOMETER	1.00	1.00	1.25	1.00	1.00
ELEVATORS					
Bucket, Freight	2.00	1.25	2.00	1.25	2.00
EXCITER	1.00	1.00	1.25	1.00	1.00
FANS					
Centrifugal	1.00	1.00	1.25	1.00	1.00
Cooling Tower	2.00	2.00	2.00	2.00	2.00
Heavy Duty (Forced Draft)	1.50	1.50	2.00	1.50	1.50
Induced Draft	1.50	1.50	2.00	1.50	2.00
Light	1.00	1.00	1.25	1.00	1.00
Propeller Indoor	1.50	1.50	2.00	1.50	1.50
FOOD INDUSTRY					
Beet Slicer	1.50	1.75	1.50	1.75	1.75
Cereal Cooker	1.00	1.25	1.25	1.25	1.25
Dough Mixer, Meat Grinder	1.50	1.75	1.50	1.75	1.75
GENERATORS					
Even Load	1.00	1.00	1.25	1.00	1.00
Hoist or Railway Service	1.50	1.50	1.50	1.50	1.50
Welder Load	2.00	2.00	2.00	2.00	2.00
GRIZZLY	2.00	2.00	2.00	2.00	2.00
KILN	2.00	2.00	2.00	2.00	2.00
LAUNDRY MACHINES					
Tumbler Washer	2.00	2.00	2.00	2.00	2.00
LINE SHAFTS					
Driving Processing Machinery	1.00	1.50	1.25	1.50	1.50
Light	1.00	1.50	1.25	1.50	1.50
LUMBER INDUSTRY					
Band Resaw	1.50	1.50	1.50	1.50	1.50
Circular Resaw	1.50	1.50	1.50	1.75	1.50
Edger Head Rig, Hog, Log Haul	2.00	2.00	2.00	2.00	2.00
Planer	1.50	1.75	1.50	1.75	1.75
Rolls Non-Reversing	1.50	1.25	1.50	1.25	1.25
Rolls Reversing	2.00	2.00	2.00	2.00	2.00
Sawdust Conveyor	1.00	1.25	1.25	1.25	1.25
Slab Conveyor	1.50	1.75	1.50	1.75	1.50
Sorting Table	1.50	1.75	1.50	1.50	1.50
MACHINE TOOLS					
Auxiliary	1.00	1.00	1.25	1.00	1.00

Note: Selection program "Couple" available on www.ptwizard.com

SERVICE FACTOR

Table 1 (continued)

Application (Read Footnotes)	Factor Δ PARA -FLEX/ Poly-Disc	Grid Chain Rigid	D-FLEX	Gear	Power-Plus
MACHINE TOOLS (continued)					
Main Drive	1.50	1.75	1.50	1.50	1.75
Notching Press, Planer (Reversing), Plate Planer, Punch Press	1.50	1.75	1.50	1.75	1.75
Traverse	1.00	1.00	1.25	1.00	1.00
METAL FORMING MACHINES					
Draw Bench, Carriage, Main Drive, Extruder,	2.00	2.00	1.50	2.00	2.00
Wire Drawing, Flattening Machine	2.00	2.00	1.50	1.75	2.00
MILLS Rotary Type					
Ball or Pebble direct or	2.50	2.00	2.00	2.00	2.25
on LS Shaft Gear Reducer	2.50	2.00	2.00	2.00	2.25
on HS Shaft Gear Reducer	2.00	1.50	1.50	1.50	1.75
Dryer and Cooler	1.50	1.75	1.50	1.75	2.00
Rod or Tube direct or	2.50	2.00	2.00	2.00	2.25
on LS Shaft Gear Reducer	2.50	2.00	2.00	2.00	2.25
on HS Shaft Gear Reducer	2.00	1.50	1.50	1.50	1.75
Tumbling Barrel	1.50	1.75	2.00	1.75	1.75
MIXERS					
Concrete (Continuous or intermittent)	1.50	1.75	1.50	1.75	1.75
Muller-Simpson type	1.50	1.75	1.50	1.50	1.75
OIL INDUSTRY					
Chiller	1.00	1.25	1.25	1.25	1.25
Oil Well Pumping (Not over 150% peak torque	2.00	2.00	2.00	2.00	2.00
Paraffin Filter Press	1.50	1.50	1.50	1.50	1.50
PAPER MILLS					
Agitator	1.00	2.00	1.25	2.00	2.00
Barking Drum	2.50	2.50	2.00	2.50	2.25
Beater and Pulper	1.50	1.75	1.50	1.75	1.75
Bleacher	1.00	1.00	1.25	1.00	1.00
Calender	2.00	1.75	2.00	1.75	2.00
Chipper	3.00	2.50	2.00	2.50	2.50
Couch Cylinder Dryer	1.50	1.75	1.50	1.75	1.75
Felt Stretcher	1.00	1.25	1.25	1.25	1.25
Fourdrinier	1.50	1.75	1.50	1.75	1.75
Jordan	2.00	2.00	2.00	2.00	2.00
Press	2.00	1.75	1.50	1.75	1.75
Pulp Grinder	2.00	1.75	2.00	1.75	1.75
Stock Chest	1.50	1.50	1.50	1.50	1.50
Stock Pump					
Reciprocating	2.00	2.00	♦	2.00	2.00

Application (Read Footnotes)	Factor Δ PARA -FLEX/ Poly-Disc	Grid Chain Rigid	D-FLEX	Gear	Power-Plus
PAPER MILLS (continued					
Suction Roll	2.00	1.75	1.50	1.75	1.75
Winder	1.50	1.50	1.50	1.50	1.50
PARAFFIN FILTER PRESS	1.50	1.50	1.50	1.50	1.50
PRINTING PRESS	1.50	1.50	1.50	1.50	1.50
PROPELLER Marine	1.50	1.50	♦	1.50	1.50
PULLERS					
Barge Haul	2.50	2.00	2.00	1.50	2.00
PULVERIZERS					
Hammermill-Light Duty	1.50	1.50	1.50	1.50	1.50
Hammermill-Heavy Duty	2.00	1.75	2.00	1.75	1.75
Hog	2.00	1.75	2.00	1.75	1.75
Roller	1.50	1.50	1.50	1.50	1.50
PUMPS					
For Stock Pumps See Paper Mills					
Centrifugal	1.00	1.00	1.25	1.00	1.00
Descaling Gear Type	1.50	1.25	1.50	1.25	1.50
Oil Well Pumping (Not over 150% peak torque	2.00	2.00	2.00	2.00	2.00
Rotary -other than gear	1.50	1.25	1.50	1.25	1.50
Reciprocating					
1 cylinder-single acting	2.50	3.00	♦	3.00	2.25
1 cylinder-double acting	2.00	3.00	♦	3.00	2.00
2 cylinder-single acting	2.00	2.00	♦	2.00	2.25
2 cylinder-double acting	1.50	1.75	♦	1.75	2.00
3 cylinder or more	1.50	1.50	♦	1.50	1.75
RUBBER INDUSTRY					
Banbury Mixer	2.50	2.50	2.00	2.50	2.50
Calender	2.00	2.00	2.00	2.00	2.00
Cracker Mixing Mill Plasticator	2.50	2.50	2.00	2.50	2.50
Refiner, Sheeter	2.00	2.50	2.00	2.50	2.00
Tire-Building Machine	2.00	2.50	2.00	2.50	2.50
Tire and Tube Press Opener Based on Peak Torque	1.00	1.00	1.25	1.00	1.00
Tuber and Strainer	1.50	1.75	1.50	1.75	1.75
Warming Mill	2.00	2.00	2.00	2.00	2.00
Washer	2.50	2.50	2.00	2.50	2.50
SCREENS					
Air Washing	1.00	1.00	1.25	1.00	1.00
Coal and Sand Rotary	1.50	1.50	1.50	1.50	1.50
Vibrating	2.50	2.50	2.00	2.50	2.50
Water	1.00	1.00	1.25	1.00	1.25

Note: Selection program "Couple" available on www.ptwizard.com

SERVICE FACTOR

Table 1 (continued)

Application (Read Footnotes)	Factor Δ PARA -FLEX/ Poly-Disc	Grid Chain Rigid	D-FLEX	Gear	Power-Plus
SEWAGE DISPOSAL EQUIPMENT	1.00	1.00	1.25	1.00	1.25
SHOVEL	2.00	2.00	2.00	2.00	2.00
SHREDDER	1.50	1.50	1.50	1.50	1.50
STEEL INDUSTRY					
Cold Mills					
Coiler up or down	1.50	2.00	♦	1.50	2.00
Strip, Temper	2.00	2.00	♦	2.00	2.00
Hot Mills					
Coiler up or down	1.50	2.00	♦	1.50	2.00
Edger Drive	1.50	2.00	♦	1.50	2.00
Feed Roll Blooming	3.00	2.50	♦	3.00	3.50
Roughing Mill Delivery	3.00	2.50	♦	2.50	3.00
Non-reversing, Sheet Strip	3.00	2.50	♦	2.50	3.00
Rod Mill	2.50	2.50	♦	2.00	2.25
Soaking Pit Cover Drive Lift	3.00	1.50	♦	1.00	3.00
Soaking Pit Cover Drive Travel	3.00	1.50	♦	2.00	3.00

Application (Read Footnotes)	Factor Δ PARA -FLEX/ Poly-Disc	Grid Chain Rigid	D-FLEX	Gear	Power-Plus
STEERING GEAR	1.00	1.00	1.25	1.00	1.25
STOKER		1.00	1.25	1.00	1.25
TEXTILE MILLS					
Batcher	1.00	1.25	1.25	1.25	1.25
"Calender, Card Machine, D Can"	1.50	1.50	1.50	1.50	1.50
Dyeing Machine	1.00	1.25	1.25	1.25	1.25
Loom	1.50	1.50	1.50	1.50	1.50
Mangel, Napper, Soaper	1.00	1.25	1.25	1.25	1.25
Spinner, Tenter Frame	1.50	1.50	1.50	1.50	1.50
WINDLASS	1.50	1.50	1.50	1.50	1.50
WOODWORKING MACHINES	1.00	1.00	1.25	1.00	1.25

SYSTEM SERVICE FACTOR CALCULATION

To determine the system service factor, the driver service factor adder (Table 1A) must be added to the driven service factor. (Table 1) Example: Determine the system service factor for a PARA-FLEX coupling used to couple a barking drum and a six-cylinder diesel engine.

Driven S.F. + Driver S.F. Adder = System S.F.
2.5 +.5 = 3.0

Δ The service factors listed are intended only as a general guide. Where substantial shock occurs or starting and stopping is frequent as on some "inching" drives and on some reversing drives or where the power source is an internal combustion engine with less than four cylinders-Consult DODGE. Where torsional vibrations occur as in, for example, internal combustion engine or reciprocating compressor or pump applications, check the coupling stiffness for the possible development of damaging large-amplitude vibrations. A complete system torsional analysis may be necessary.

** Add 0.5 to factor if without flywheel

♦ CONSULT DODGE FOR SELECTION ASSISTANCE

Table 1A-Driver Service Factor Adders

Type of Coupling	Electric Motor Std. Torque	High Torque Motors	Turbines	Reciprocating Engine Number of Cylinders				
				12 or More	8 to 11	6 to 7	4 to 5	Less than 4
PARA-FLEX	0.00	0.00	0.00	0.00	0.50	0.50	0.50	♦
METALLIC	0.00	0.00	0.00	0.00	0.50	0.50	1.00	♦
D-FLEX	0.00	IF SF< 1.25 ADD 0.25 IF SF> 1.25 ADD 0.5	IF SF<1.5 SUBTRACT 0.25 IF SF> 1.5 SUBTRACT 0.5	IF SF< 1.25 ADD 0.25				♦
				IF SF> 1.25 ADD 0.5				♦

Note: Selection program "Couple" available on www.ptwizard.com

Comparative Table

Coupling Type	Misalignment		End Float
	Angular	Parallel	
PARA-FLEX (PX, PS) (1) (2)	4°	.125"	± 0.156"
PARA-FLEX (PH, PF)	1°	0.0625"	± 0.094"
GRID-LIGN	1/2°	0.012"	0.375"
CHAIN	2°	.015"	0.300"
POLY-DISC	2°	0.032"	
POWERPLUS	Please refer to instruction manual #MN4025 on www.dodgeindustrial.com		

(1) PX40 is 4° Angular /.06" Parallel/ ±.094" End Float

(2) PX110 is 4° Angular/0.125" Parallel/±.125" End Float

Temperature Range

Coupling Type	°F
PARA-FLEX	
PX, PS	-45°F (1) to +180°F(1)
PH, PF	-45°F (1) to +180°F(1)
D-FLEX	
EPDM	-30°F to +275°F
NEOPRENE	0°F to +200°F
HYTREL	-65°F to +250°F
GRID-LIGN	-35°F to +210°F
CHAIN	-30°F to +225°F
GEAR	-30°F to +250°F
POLY-DISC	-90°F to +170°F
NYLIGN	0°F to +170°F
POWERPLUS	-22°F to 176°F

(1) -40°F to +210°F for neoprene element.

D-Flex Misalignment (1)

Size	Types JE, JN, E & N			Types H & HS (4)		
	Parallel (1)	Angular (2)	End Float (3)	Parallel (1)	Angular (2)	End Float (3)
3	0.010	1°	± 0.030	-	-	-
4	0.010	1°	± 0.030	-	-	-
5	0.015	1°	± 0.046	-	-	-
6	0.015	1°	± 0.060	.010	1/4°	± 0.060
7	0.020	1°	± 0.060	.012	1/4°	± 0.060
8	0.020	1°	± 0.096	.015	1/4°	± 0.096
9	0.025	1°	± 0.096	.017	1/4°	± 0.096
10	0.025	1°	± 0.125	.020	1/4°	± 0.125
11	0.032	1°	± 0.125	.022	1/4°	± 0.125
12	0.032	1°	± 0.125	.025	1/4°	± 0.125
13	0.040	1°	± 0.125	.030	1/4°	± 0.125
14	0.045	1°	± 0.125	.035	1/4°	± 0.125
16	0.062	1°	± 0.125	-	1/4°	-

NOTE: (1) All dimensions are in inches
(2) Values are for when 1/4 or more of the rated torque is transmitted. Reduce values by 50% for lower torques
(3) Increase E dimension by this amount to accommodate end float.
(4) Types H & HS should not be used as direct replacements for EPDM or Neoprene sleeves

ENGINEERING/ TECHNICAL

DODGE

PARA-FLEX Couplings Bolt Torque Information

Size	Standard				
	Clamp Ring Bolts (5) Torque (In.-Lbs.)			PS Shaft Hub Bolts (3)	
	No.	2-Piece Assy	3-Piece Assy	No.	Torque (In.-Lbs.)
PX40	4	130	130	4	130
PX50	5	130	130	4	180
PX60	5	290	290	5	180
PX70	5	290	290	5	180
PX80	6	290	290	5	300
PX90	6	480	480	6	300
PX100	6	480	480	6	300
PX110	6	480	480	6	300
PX120	6	1080	1080	6	720
PX140	8	1080	1080	5	720
PX160 (2)	8	2160	1150	6	1296
PX200	12	2160	2400	8	1296
PX240	12	3600	4020	-	-
PX280	14	4320	6600	-	-
PX320	16	4320	6600	-	-

(2) PX160 steel flanges have 10 clamp ring bolts

(3) SAE Grade 8

(5) SAE Grade 8. FB style couplings utilize class 10.9 metric clamping ring bolts

PARA-FLEX High Speed & Fly Wheel Bolt Torque Information (in-lb)

Size	For Flange (3)		For Bolt Ring (3)
	Iron Fig.	Steel Fig.	
87	290	290	180
96	290	290	300
116	480	480	360
131	480	480	420
172	1080	1150	600
192	2160	1150	780
213	2160	2160	840
252	3600	3600	2880

(3) SAE Grade 8

Torsional Stiffness

PARA-FLEX		HIGH SPEED PARA-FLEX	
Size	In-Lbs/Degree (4)	Size	In-Lbs/Degree (4)
PX40	120	PH 87	1000
PX50	224	PH 96	1190
PX60	414	PH 116	2182
PX70	544	PH 131	2566
PX80	876	PH 172	6737
PX90	1088	PH 192	13893
PX100	1530	PH 213	23143
PX110	2420	PH 252	39008
PX120	4014		
PX140	8296		
PX160	12,000		
PX200	29,000		
PX240	48,000		
PX280	98,000		
PX320	151,000		

(4) Values are nominal and may vary +/- 20%. To convert static values to approximate dynamic values, multiply the static values by 1.2

D-Flex Torsional Stiffness*

Size	EPDM & Neoprene (In-Lbs/radian)	Hytrel (In-Lbs/radian)
3	229	-
4	458	-
5	916	-
6	1,718	10,000
7	2,769	20,000
8	4,335	30,000
9	6,875	47,500
10	10,980	100,000
11	17,300	125,000
12	27,500	225,000
13	43,350	368,900
14	68,775	593,250
16	180,480	-

* Values shown are for an ambient temperature of 75°F

D-Flex Spacer Bolt Torques

Size	Shaft Hub Bolts (1)	
	Number	Torque Ft-Lbs
5SCH	4	4
6SCH	4	9
7SCH	4	9
8SCH	4	18
9SCH	4	31
10SCH	4	50
11SCH	4	75
12SCH	4	150
13SCH	4	150
14SCH	4	150

(1) SAE Grade 8

AGMA Class 1 Fits

Nom. Shaft Diameter (In.)			Bore Dimensions			
			Clearance		Interference	
			Nom. Shaft Dia. Less	Bore Tolerance	Nom. Shaft Dia. Less	Bore Tolerance
0	-	1-1/2	.000	+ .001 -.000	.001	+ .0005 -.000
1-1/2	-	2	.000	+ .001 -.000	.002	+ .001 -.000
2	-	3	.000	+ .0015 -.000	.002	+ .0015 -.000
3	-	4	.000	+ .0015 -.000	.003	+ .0015 -.000
4	-	5	.000	+ .002 -.000	.0035	+ .0015 -.000
5	-	6	.000	+ .002 -.000	.004	+ .0015 -.000

Standard Keyways

Keyway Bore Size			Width	For Sq. Key	For Rec. Key
7/16			3/32	3/64	. . .
1/2	-	9/16	1/8	1/16	. . .
5/8	-	7/8	3/16	3/32	. . .
15/16	-	1-1/4	1/4	1/8	. . .
1-5/16	-	1-3/8	5/16	5/32	. . .
1-7/16	-	1-3/4	3/8	3/16	1/8
1-13/16	-	2-1/4	1/2	1/4	3/16
2-5/16	-	2-3/4	5/8	5/16	7/32
2-13/16	-	3-1/4	3/4	3/8	1/4
3-5/16	-	3-3/4	7/8	7/16	5/16
3-13/16	-	4-1/2	1	1/2	3/8
4-9/16	-	5-1/2	1-1/4	5/8	7/16

Metric Bore Standard

MM Bore	MM Keyway Width	MM Hub Keyseat	MM Key
14	5	2.3	5x5
16	5	2.3	5x5
18	6	2.8	6X6
19	6	2.8	6X6
20	6	2.8	6X6
22	6	2.8	6X6
24	8	3.3	8X7
25	8	3.3	8X7
28	8	3.3	8X7
30	8	3.3	8X7
32	10	3.3	10X8
35	10	3.3	10X8
38	10	3.3	10X8
40	12	3.3	12X8
42	12	3.3	12X8
45	14	3.8	14X9
48	14	3.8	14X9
50	14	3.8	14X9
55	16	4.3	16X10
60	18	4.4	18X11
65	18	4.4	18X11
70 & 75	20	4.9	20X12
80 & 85	22	5.4	22X14
90	25	5.4	25X14
95	25	5.4	25X14
100	28	6.4	28X16

MM bore and keyway conform to ISO standard recommendation R773, for “FREE” fit

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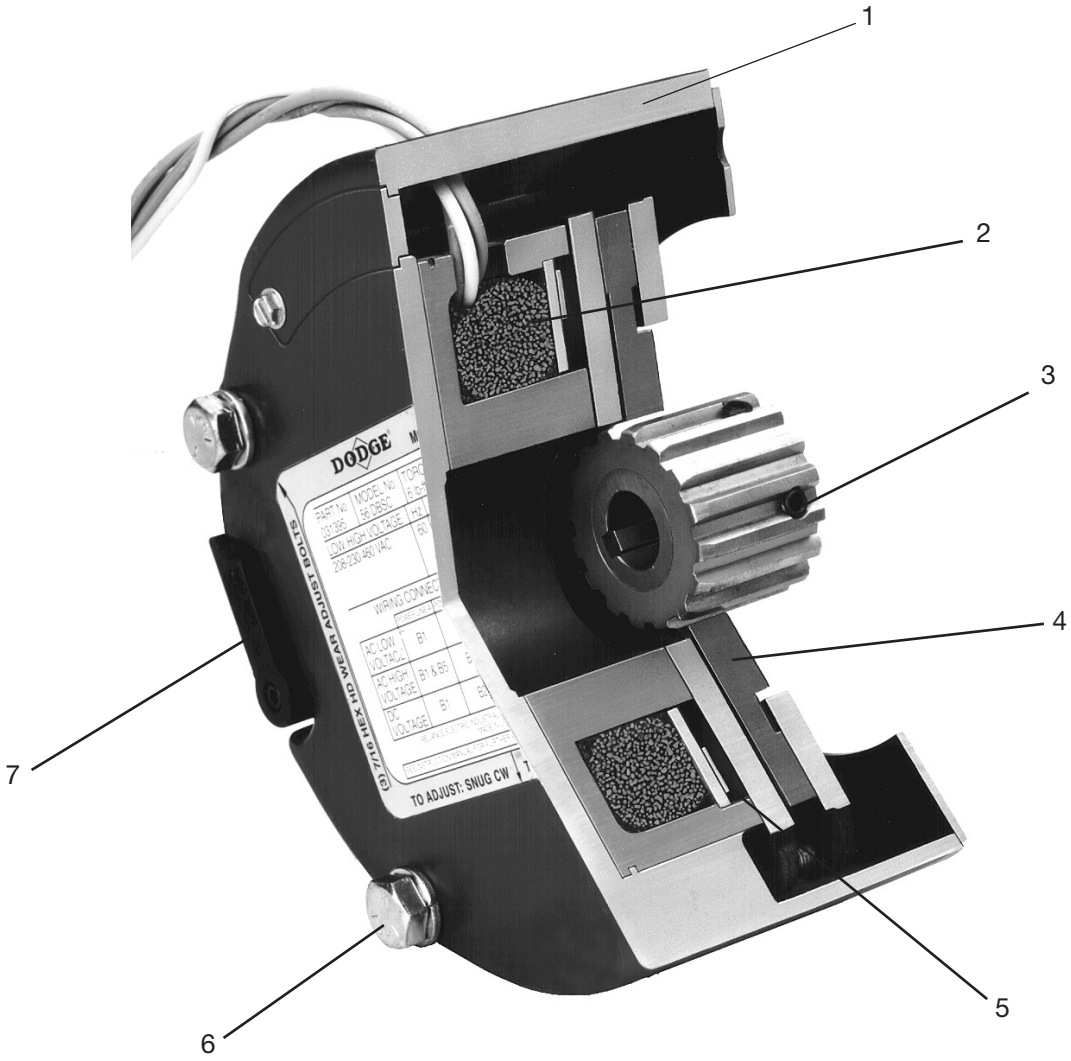
FEATURES/BENEFITS

Motor Brakes

1. Rugged, die-cast aluminum housing mounts at any angle without modification.
2. Internally rectified DC voltage coil operates on either AC or DC voltage. Class B insulation is standard.
3. Splined hub permits uniform load distribution. Integral key design simplifies installation - no loose parts.
4. Single, non-asbestos friction disc design extends life, reduces replacement parts and allows quiet operation (1)
5. Wave spring provides 360° of force when power is removed from the brake.
6. Industry standard NEMA C-face mounting. Interchanges easily with competitive units.
7. Easy-to-use, reliable manual release levers reset automatically.



(1) 35 & 50 ft. lb. motor brakes employ two friction discs and can be mounted at any angle without modification

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DODGE

Motor Brakes

SPECIFICATION

D-Series Motor Brakes are designed with a single* non-asbestos friction disc for fewer adjustments, reduced replacement parts, and extended life. They are released when power is applied to the brake coil. The friction disc hub assembly and ultimately the load are free to turn. However, when power is taken away, intentionally or accidentally, an internal wave spring clamps the friction disc to stop and hold the load. The single* disc design has significantly fewer parts than competitive brakes and provides a dramatic improvement in brake friction disc life. Just as dramatic is the quiet operation compared to solenoid type brakes. DODGE D-Series motor brakes are available as stock off-the-shelf units in 2 configurations. DBSC C-Face brakes mount on the fan end (non-driving end) of a motor. DBSS double C-Face brakes are generally used as a coupler between standard C-Face motors and C-Face gear reducers.

** 35/50 ft.-lb motor brakes employ two friction discs*

HOW TO ORDER

Motor Brakes are ordered by specifying the unit size, the motor frame size, and the voltage. Part numbers are found on the selection pages for each type of unit. Refer to the part number when ordering.

NOMENCLATURE

56 DBSS - 3 - MA - 115/230 VAC 60 HZ

NEMA C-Face Designation
- 56 = 56C (5/8” shaft)
- 140 = 143TC/145TC (7/8” shaft)
- 180 = 180TC/210TC (1-1/8” shaft)

DODGE Brakes

Housing Enclosure
- S = Standard Enclosure/Drip-Proof
- E = E-Z KLEEN (Food Duty/NEMA 4X)

Mounting Configuration
- C = C-face (single)/Fan End Mounting
- S = Shaft-out (Double C-Face) Coupler

Static Torque Rating (Ft.-Lbs)

Wear Adjustment Method
- MA = Manually Adjusted

Coil Voltage
- 115/230 VAC
- 230/460 VAC
- Others As Noted On Brake Label

Frequency
- 60 Hz
- 50 Hz
- Blank If DC Voltage Only

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SELECTION/DIMENSIONS

Motor Brakes

Selection Procedure

1. Determine the motor frame size, horsepower and speed.
2. Use chart for brake static torque selection. Note that chart selections are based on a **1.4 service factor** and increased to the next highest standard brake torque rating. To select a brake using a different service factor, use the formula below to determine the required brake static torque.

$$T = \frac{HP \times 5252 \times SF}{RPM}$$

T= Brake Static Torque (Ft-Lbs)

HP = Motor Horsepower

SF = Service Factor Desired

RPM = Motor Speed

Once your torque requirement has been determined, select a brake with at least that capacity.

3. Consult Part Number charts on pages PT2-5 thru PT2-10 for appropriate part number. Brake voltage should be matched with motor voltage rating.
4. Verify mounting dimensions (C-face tenon, mounting bolt pattern, shaft size, etc.) from pages PT2-5 thru PT2-10.
5. In positioning applications, use of a fast response kit allows you to obtain faster stop times. To order see page PT2-10.
6. In positioning applications, use 2.0 SF

Note: DODGE D Series brakes are intended as holding brakes. Contact application engineering with inertia and application information for cycle rates exceeding 6 per minute.

Brake Static Torque Ratings* (Ft.-Lbs)

Motor HP	Motor Speed (RPM)							
	750	900	1200	1500	1800	3000	3600	5000
1/4	3	3	3	3	3	3	3	3
1/3	6	3	3	3	3	3	3	3
1/2	6	6	6	3	3	3	3	3
3/4	10	10	6	6	6	3	3	3
1	10	10	10	6	6	3	3	3
1-1/2	15	15	10	10	10	6	6	3
2	20	20	15	10	10	6	6	3
3	35	25	20	15	15	10	10	6
5	50	50	35	25	25	15	15	10
7-1/2	-	-	50	50	35	20	20	15
10	-	-	-	50	50	35	25	15

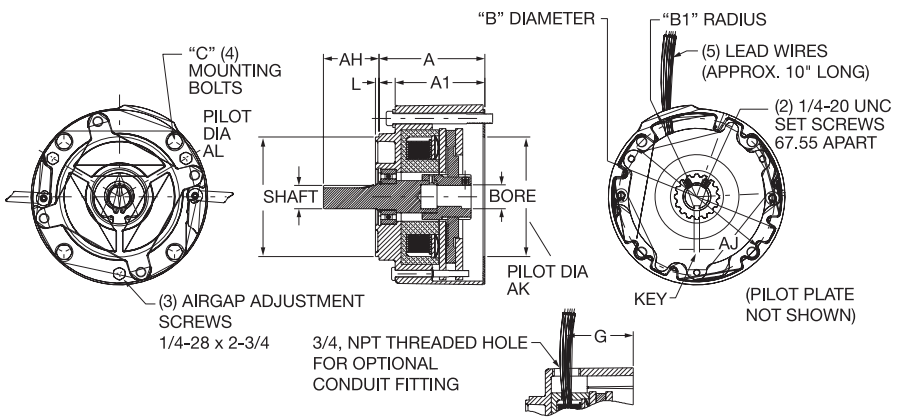
*Selections based on 1.4 service factor and increased to next highest standard brake torque rating.

Speed limit 5000 RPM maximum motor speed

SELECTION/DIMENSIONS

Motor Brakes

DBSS Model



Complete Unit Part Numbers

Standard Enclosure		Unit Size --- Static Torque					
		3 Ft- Lbs	6 Ft- Lbs	10 Ft- Lbs	15 Ft- Lbs	20 Ft- Lbs	25 Ft- Lbs
DOUBLE C-FACE	**DBSS Complete Units 56 Frame, 5/8" Bore**						
	115/230 VAC 60 Hz (1)	031369	031411	031453	031342	031345	031348
	230/460 VAC 60 HZ (2)	031371	031413	031455	031343	031346	031349
	287/575 VAC 60 Hz (3)	031373	031415	031457	031344	031347	031350
	104/208 VAC 60 Hz (4)	031088	031100	031112	031124	031136	031148
	190/380 VAC 50 Hz (5)	031089	031101	031113	031125	031137	031149
	250/500 VAC 50 Hz	031090	031102	031114	031126	031138	031150
	48 VDC	031091	031103	031115	031127	031139	031151
	24 VDC	031092	031104	031116	031128	031140	031152
	12 VDC	031093	031105	031117	031129	031141	031153
	DBSS Complete Units 140 Frame, 7/8" Bore						
	115/230 VAC 60 Hz (1)	031375	031417	031459	031495	031525	031555
	230/460 VAC 60 HZ (2)	031377	031419	031461	031497	031527	031557
	287/575 VAC 60 Hz (3)	031379	031421	031463	031499	031529	031559
	104/208 VAC 60 Hz (4)	031094	031106	031118	031130	031142	031154
	190/380 VAC 50 Hz (5)	031095	031107	031119	031131	031143	031155
	250/500 VAC 50 Hz	031096	031108	031120	031132	031144	031156
	48 VDC	031097	031109	031121	031133	031145	031157
	24 VDC	031098	031110	031122	031134	031146	031158
	12 VDC	031099	031111	031123	031135	031147	031159

NOTES:

Coil will operate at the following voltages:

(1) 115/208-230 VAC 50 or 60 Hz, 133/265 VAC 60 Hz, 110-125 VDC

(2) 208-230/460 VAC 50 or 60 Hz, 240/480 VAC 60 Hz, 220/440 VAC 50 Hz, 230 VDC

(3) 287/575 VAC 60 Hz, 300/600 VAC 60 Hz

(4) 104/208 VAC 50 or 60 Hz, 100/200 VAC 60 Hz, 90-95 VDC

(5) 190/380 VAC 50 Hz, 200/400 VAC 60 Hz, 206/416 VAC 50 Hz

Dimensions

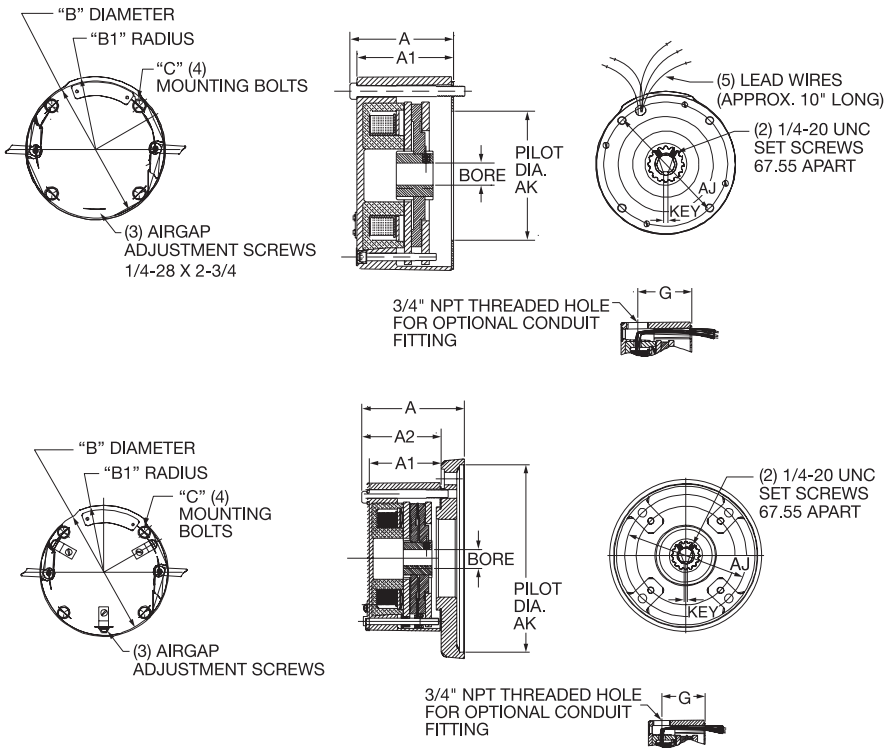
Standard Enclosure Double C-Face Coupler

Unit Size	Inertia Friction Disc & Hub (Lb-In2)	Input Bore Output Shaft Dia.	Output Keyway & Input Key	A Max	A1 Nom	AK Pilot Dia.	AL Pilot Dia.	AH	AJ	B Dia. Max	B1 Radius Max.	C Mounting Bolts	G	L	Shipping Weight (Lbs)
56DBSS-3 56DBSS-6 56DBSS-10 56DBSS-15 56DBSS-20 56DBSS-25	1.73	5/8"	3/16 x 3/32	3.97	3.36	4.5	4.5	2.12	5.88	6.63	3.46	3/8 -16 UNC-2A (4) Equally Spaced on 5.875 Dia. Bolt Circle	2.57	0.13	13.2
140DBSS-3 140DBSS-6 140DBSS-10 140DBSS-15 140DBSS-20 140DBSS-25	1.74	7/8"	3/16 x 3/32	3.97	3.36	4.5	4.5	2.12	5.88	6.63	3.46		2.57	0.13	13.3

SELECTION/DIMENSIONS

Motor Brakes

DBSC Model



Complete Unit Part Numbers

Standard Enclosure		Unit Size-Static Torque					
		3 Ft-Lbs	6 Ft-Lbs	10 Ft-Lbs	15 Ft-Lbs	20 Ft-Lbs	25 Ft-Lbs
C-FACE (FAN END MOUNTING)	**DBSC Complete Units 56 Frame, 5/8" Bore**						
	115/230 VAC 60 Hz (1)	031351	031393	031435	031477	031507	031537
	230/460 VAC 60 HZ (2)	031353	031395	031437	031479	031509	031539
	287/575 VAC 60 Hz (3)	031355	031397	031439	031481	031511	031541
	104/208 VAC 60 Hz (4)	031000	031015	031030	031043	031058	031073
	190/380 VAC 50 Hz (5)	031001	031016	031031	031044	031059	031074
	250/500 VAC 50 Hz	031002	031017	031032	031045	031060	031075
	48 VDC	031003	031018	031033	031046	031061	031076
	24 VDC	031004	031019	031034	031047	031062	031077
	12 VDC	031005	031020	031035	031048	031063	031078
	DBSC Complete Units 140 Frame, 7/8" Bore						
	115/230 VAC 60 Hz (1)	031007	031022	031037	031050	031065	031080
	230/460 VAC 60 HZ (2)	031009	031024	031039	031052	031067	031082
	287/575 VAC 60 Hz (3)	031011	031026	031041	031054	031069	031084
	104/208 VAC 60 Hz (4)	031006	031021	031036	031049	031064	031079
	190/380 VAC 50 Hz (5)	031008	031023	031038	031051	031066	031081
	250/500 VAC 50 Hz	031010	031025	031040	031053	031068	031083
	48 VDC	031012	031027	031042	031055	031070	031085
	24 VDC	031013	031028	031160	031056	031071	031086
	12 VDC	031014	031029	031161	031057	031072	031087

NOTES:

Coil will operate at the following voltages:

(1) 115/208-230 VAC 50 or 60 Hz, 133/265 VAC 60 Hz, 110-125 VDC

(2) 208-230/460 VAC 50 or 60 Hz, 240/480 VAC 60 Hz, 220/440 VAC 50 Hz, 230 VDC

(3) 287/575 VAC 60 Hz, 300/600 VAC 60 Hz

(4) 104/208 VAC 50 or 60 Hz, 100/200 VAC 60 Hz, 90-95 VDC

(5) 190/380 VAC 50 Hz, 200/400 VAC 60 Hz, 206/416 VAC 50 Hz

SELECTION/DIMENSIONS

Complete Unit Part Numbers (Continued)

Standard Enclosure		Unit Size-Static Torque						
		6 Ft-Lbs	10 Ft-Lbs	15 Ft-Lbs	20 Ft-Lbs	25 Ft-Lbs	35 Ft-Lbs	50 Ft-Lb
C-FACE (FAN END MOUNTING)	180 Frame, 1-1/8" Bore 8-1/2" Pilot Diameter							
	115/230 VAC 60 Hz (1)	027023	027032	027041	027050	027059	027068	027077
	230/460 VAC 60 Hz (2)	027024	027033	027042	027051	027060	027069	027078
	287/575 VAC 60 Hz (3)	027025	027034	027043	027052	027061	027070	027079
	104/208 VAC 60 Hz (4)	027026	027035	027044	027053	027062	027071	027080
	190/380 VAC 50 Hz (5)	027027	027036	027045	027054	027063	027072	027081
	250/500 VAC 50 Hz	027028	027037	027046	027055	027064	027073	027082
	48 VDC	027029	027038	027047	027056	027065	027074	027083
	24 VDC	027030	027039	027048	027057	027066	027075	027084
	12 VDC	027031	027040	027049	027058	027067	027076	027085

NOTES:

Coil will operate at the following voltages:

(1) 115/208-230 VAC 50 or 60 Hz, 133/265 VAC 60 Hz, 110-125 VDC

(2) 208-230/460 VAC 50 or 60 Hz, 240/480 VAC 60 Hz, 220/440 VAC 50 Hz, 230 VDC

(3) 287/575 VAC 60 Hz, 300/600 VAC 60 Hz

(4) 104/208 VAC 50 or 60 Hz, 100/200 VAC 60 Hz, 90-95 VDC

(5) 190/380 VAC 50 Hz, 200/400 VAC 60 Hz, 206/416 VAC 50 Hz

Dimensions

Standard Enclosure Single C-face (Fan End Mounting)

Unit Size (Lb-In2)	Inertia Friction Disc & Hub	Input Bore	Key	A Max	A1 Nom	AJ	AK Pilot Dia.	B Dia. Max.	B1 Radius Max	C Mounting Bolts	G	Shipping Weight (Lbs)
56DBSC-3 56DBSC-6 56DBSC-10 56DBSC-15 56DBSC-20 56DBSC-25	1.52	5/8"	3/16 x 3/32	3.74	3.36	5.88	4.5	6.63	3.46	3/8 - 16 UNC-2A (4) Equally Spaced on 5.875" Dia. Bolt Circle	2.57	11.7
140DBSC-3 140DBSC-6 140DBSC-10 140DBSC-15 140DBSC-20 140DBSC-25	1.51	7/8"	3/16 x 3/32	3.74	3.36	5.88	4.5	6.63	3.46		2.57	11.8

Unit Size (6)	Inertia Friction Disc & Hub (7) (Lb-In2)	Input Bore	Key	A Max	A1 Nom	A2	AJ	AK Pilot Dia.	B Dia. Max.	B1 Radius Max.	C Mounting Bolts	G	Shipping Weight (Lbs)
180DBSC-6* 180DBSC-10* 180DBSC-15* 180DBSC-20* 180DBSC-25* 180DBSC-35 180DBSC-50	1.51	1-1/8"	1/4" X 1/8"	4.78	3.36	3.74	7.25	8.5	6.63	3.46	3/8 - 16 UNC-2A (4) Equally Spaced on 5.875" Dia. Bolt Circle	2.57	20.6

(6) 140 Sizes do not require an adapter plate.

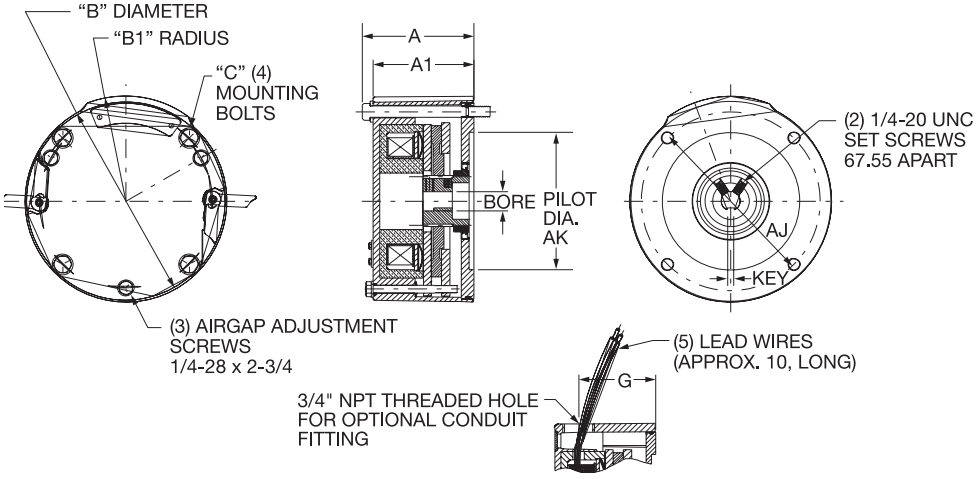
(7) Inertia for single-disc units.

*These sizes employ one friction disc.

SELECTION/DIMENSIONS

Motor Brakes

DBEC Model



Complete Unit Part Numbers

E-Z KLEEN Enclosure		Unit Size-Static Torque					
		3 Ft- Lbs	6 Ft- Lbs	10 Ft- Lbs	15 Ft- Lbs	20 Ft- Lbs	25 Ft- Lbs
C-FACE (FAN END MOUNTING)	**DBEC Complete Units 56 Frame, 5/8" Bore**						
	115/230 VAC 60 Hz (1)	031910	031913	031915	031918	031921	031924
	230/460 VAC 60 HZ (2)	031716	031718	031916	031919	031922	031925
	287/575 VAC 60 Hz (3)	031911	031914	031917	031920	031923	031926
	DBEC Complete Units 140 Frame, 7/8" Bore						
	115/230 VAC 60 Hz (1)	029436	029439	029442	029445	029448	029451
	230/460 VAC 60 HZ (2)	029437	029440	029443	029446	029449	029452
	287/575 VAC 60 Hz (3)	029438	029441	029444	029447	029450	029453

NOTES:

Coil will operate at the following voltages:

(1) 115/208-230 VAC 50 or 60 Hz, 133/265 VAC 60 Hz, 110-125 VDC

(2) 208-230/460 VAC 50 or 60 HZ, 240/480 VAC 60 Hz, 220/440 VAC 50 Hz, 230 VDC

(3) 287/575 VAC 60 Hz, 300/600 VAC 60 Hz

Dimensions

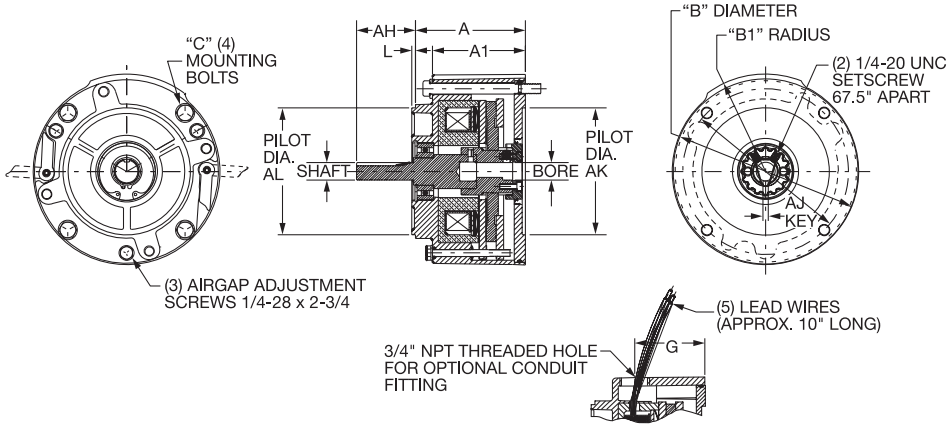
E-Z KLEEN Single C- Face (Fan End Mounting)

Unit Size	Inertia Friction Disc & Hub (Lb-In2)	Input Bore	Key	A Max	A1 Nom	AJ	AK Pilot Dia.	B Dia. Max	B1 Radius Max.	C Mounting Bolts	G	Shipping Weight (Lbs)
56DBEC-3 56DBEC-6 56DBEC-10 56DBEC-15 56DBEC-20 56DBEC-25	1.52	5/8"	3/16 x 3/32	3.74	3.36	5.88	4.5	6.63	3.46	3/8 -16 UNC-2A (4) Equally Spaced on 5.875" Dia. Bolt Circle	2.57	14.4
140DBEC-3 140DBEC-6 140DBEC-10 140DBEC-15 140DBEC-20 140DBEC-25	1.51	7/8"	3/16 x 3/32	3.74	3.36	5.88	4.5	6.63	3.46		2.57	14.5

SELECTION/DIMENSIONS

Motor Brakes

DBES Model



Complete Unit Part Numbers

E-Z KLEEN Enclosure		Unit Size-Static Torque					
		3 Ft- Lbs	6 Ft- Lbs	10 Ft- Lbs	15 Ft- Lbs	20 Ft- Lbs	25 Ft- Lbs
DOUBLE C-FACE	**DBES Complete Units 56 Frame, 5/8" Bore**						
	115/230 VAC 60 Hz (1)	030381	030384	030387	030390	030393	030396
	230/460 VAC 60 HZ (2)	030382	030385	030388	030391	030394	030397
	287/575 VAC 60 Hz (3)	030383	030386	030389	030392	030395	030398
	DBES Complete Units 140 Frame, 7/8" Bore						
	115/230 VAC 60 Hz (1)	029400	029403	029406	029409	029412	029415
	230/460 VAC 60 HZ (2)	029401	029404	029407	029410	029413	029416
	287/575 VAC 60 Hz (3)	029402	029405	029408	029411	029414	029417

NOTES:

Coil will operate at the following voltages:

(1) 115/208-230 VAC 50 or 60 Hz, 133/265 VAC 60 Hz, 110-125 VDC

(2) 208-230/460 VAC 50 or 60 HZ, 240/480 VAC 60 Hz, 220/440 VAC 50 Hz, 230 VDC

(3) 287/575 VAC 60 Hz, 275/550 VAC 60 HZ, 300/600 VAC 60 Hz

Dimensions
E-Z KLEEN Double C-Face Coupler

Unit Size	Inertia Friction Disc & Hub (Lb-In^2)	Input Bore & Output Shaft Dia.	Output Keyway & Input Key	A Max	A1 Nom	AK Pilot Dia.	AL Pilot Dia.	AH	AJ	B Dia Max.	B1 Radius Max	C Mounting Bolts	G	L	Shipping Weight (Lbs)
56DBES-3 56DBES-6 56DBES-10 56DBES-15 56DBES-20 56DBES-25	1.73	5/8"	3/16 x 3/32	3.97	3.36	4.5	4.5	2.12	5.88	6.63	3.46	3/8-16 UNC-2A (4) Equally Spaced on 5.875" Dia. Bolt Circle	2.57	0.13	14.4
140DBES-3 140DBES-6 140DBES-10 140DBES-15 140DBES-20 140DBES-25	1.74	7/8"	3/16 x 3/32	3.97	3.36	4.5	4.5	2.12	5.88	6.63	3.46		2.57	0.13	14.5

FEATURES/BENEFITS PAGE PT2-2	SPECIFICATION/HOW TO ORDER PAGE PT2-3	MODIFICATION/ACCESSORIES PAGE PT2-10	ENGINEERING/TECHNICAL PAGE PT2-38

MODIFICATIONS/ ACCESSORIES

DODGE

Motor Brakes

Fast Response Kits

In positioning applications, use of a fast response kit allows you to obtain stop times equivalent to AC voltage brakes while continuing to get all of the benefits associated with DC voltage brakes:

- Low power draw = less energy consumption
- Constant current creates smooth operation
- Lower coil temperature during cycling applications
- Quieter operation

The kit has two wiring configurations:

- Wired to brake and motor
- Wired to brake and isolated AC line

Part Number

Description	Part Number
Fast Response Kit 115/230V	**031386**
Fast Response Kit 230/460V	**031389**
FRK w/ Conduit Cover 115/230V	**031424**
FRK w/ Conduit Cover 230/460V	**031425**
Fast Response Kit 190/380V	**032552**
Fast Response Kit 287/575V	**032525**
Fast Response Kit 575V	**032531**

Replacement Rectifier Kit

DODGE D-Series Motor Brakes come with an internal rectifier allowing operation on either AC or DC voltage. A “one size fits all” replacement rectifier is available, in the event a new rectifier is needed. The kit wires external to the brake housing.

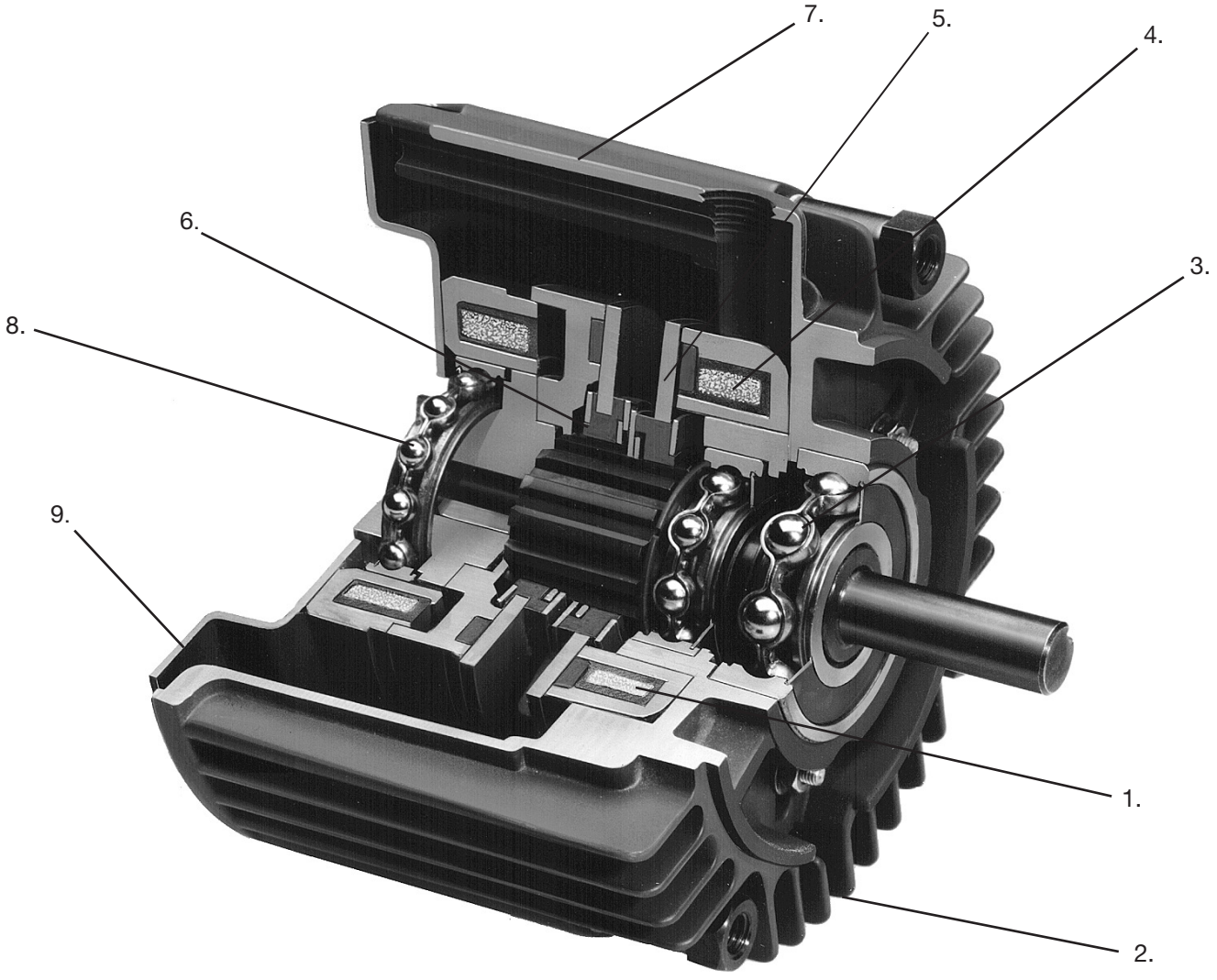
Part Number

Description	Part Number
DBSC/DBSS Replacement Rectifier	**024018**

FEATURES/BENEFITS

Clutch/Brakes Modules

1. Conforms to UL and C-UL requirements.
2. One-piece, die-cast housing simplifies mounting. Housing is finned for maximum heat dissipation.
3. Pre-lubricated and sealed ball bearings have higher B10 life rating than competitive modules.
4. High torque, non-asbestos friction material assures long life and environmental safety.
5. Armatures incorporate a high impact, high temp molded spline for heavy torque and high cycle capabilities. (Patent # 4,760,898)
6. DYNA-GAP automatic air gap mechanism automatically compensates for friction surface wear.
7. Modules are factory assembled, adjusted and burnished for easy installation and out-of-the-box operation.
8. Rotor incorporates ball bearing and Driv-Lok key for foolproof installation.
9. Standard NEMA C-face and Base Mounted, Shaft-in/ Shaft-out mounting configurations.



SPECIFICATION/HOW TO ORDER/NOMENCLATURE

DODGE

CLUTCH/BRAKE MODULES

SPECIFICATION

Clutch/Brake Modules mount directly to NEMA C-face motors and reducers or can be used with separate base mount frames. These modules are completely factory assembled, tested, and pre-burnished for easy installation and long maintenance free operation. The units are designed with large ball-bearings to provide greater over-hung load capacity and longer life. They use larger armatures for high torque transmission.

HOW TO ORDER

Clutch/Brake Modules are ordered by specifying the type of unit, size and voltage. Part numbers are found on the selection pages for each type of unit. Refer to the part number when ordering.

NOMENCLATURE

D M C CB - 180 - PSM

DODGE

Module

Mounting Configuration
- C = Double C-Face
- S = Shaft-In (Base Mtd.)

Function
- CB = Clutch & Brake
- CO = Clutch Only
- BO = Brake Only
- BX = Brake Only (Less Output Shaft)

Module Size
- 50 = 56C
- 100 = 56C (180 Torque Rating)
- 180 = 143TC/145TC
- 210 = 182TC/184TC
- 256 = 213TC/ 215TC

Power Supply Mount

Clutch/Brake Modules
SELECTION

DMC Selection by NEMA Frame Size

Frame Size	Module Size
56C	DMC-50, 100 ◆
143TC/145TC	DMC-180
182TC/184TC	DMC-210
213TC/215TC	DMC-256

◆ DMC 100 module has rating of 180 module with 56C (5/8") shafts

Selection Procedure

(1) Determine the frame size, horsepower and speed at the module location (motor speed for DMC Series).

(2) Choose proper module size based on motor frame size for DMC Series or motor HP and operating speed for DMS Series.

(3) Check to ensure the max allowable cycles per minute rating is not exceeded by consulting charts in the engineering/technical section. Consult DODGE Engineering when allowable cycle rate is exceeded.

DMS Series Selection

HP	Shaft Speed at Module (RPM)																	
	100	200	300	400	500	600	700	800	900	1000	1100	1200	1500	1800	2000	2400	3000	3600
1/4	210	180	180	180	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1/2	210	210	180	180	180	180	180	180	50	50	50	50	50	50	50	50	50	50
3/4		210	210	210	180	180	180	180	180	180	180	50	50	50	50	50	50	50
1		210	210	210	210	210	180	180	180	180	180	180	180	50	50	50	50	50
1-1/2			210	210	210	210	210	210	210	210	180	180	180	180	180	180	180	180
2				210	210	210	210	210	210	210	210	210	210	180	180	180	180	180
3					210	210	210	210	210	210	210	210	210	210	210	210	180	180
5									256	256	256	210	210	210	210	210	210	210
7-1/2													256	210	210	210	210	210
10														256	256	256	256	256
15																	256	256

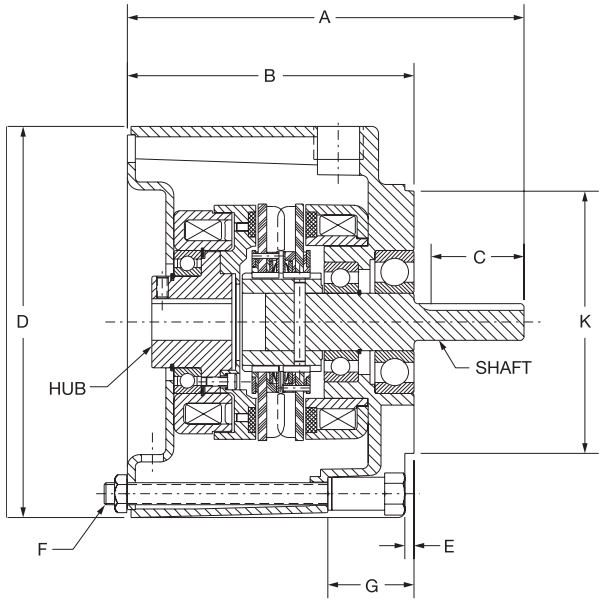
NOTE: 256 modules may be selected as an alternate to the 210 size. Check shaft diameter for proper drive components

SELECTION/DIMENSIONS

Clutch/Brake Modules

DMCCB & DMCCO

DMCCB modules are ideal for rapid cycling applications. They can be mounted directly between a C-face motor and reducer. Five standard sizes are available in 90, 24 or 6 VDC input voltage. The brake is power on. The DMCCO mounts and operates in a manner similar to DMCCB, but as a clutch only. The clutch ratings and external dimensions of both units are the same and are completely factory preassembled, adjusted, burnished and dynamically tested.



Clutch/Brake Module
(Clutch Only - Same Dimensions)

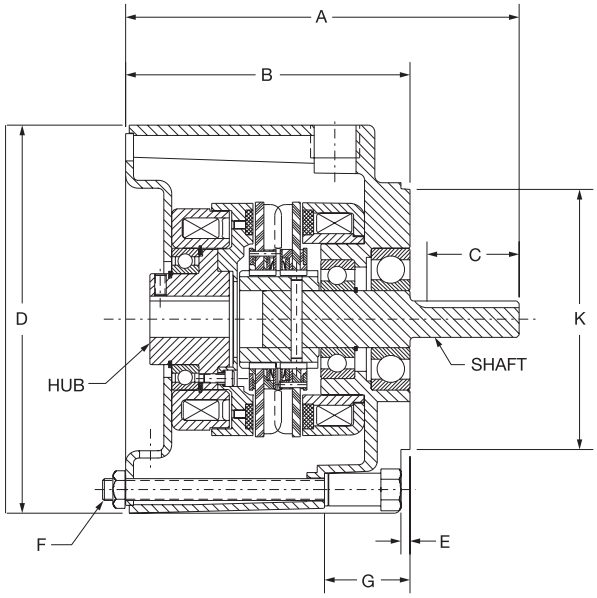
Part Numbers		Static Torque (Lb. - Ft.)	Coil Voltage		
			90 VDC	24 VDC	6 VDC
C-Face Clutch & Brake	DMCCB-50	22	**028765**	**028763**	**028761**
	DMCCB-100	34	**028770**	**028768**	**028766**
	DMCCB-180	34	**028775**	**028773**	**028771**
	DMCCB-210	100	**028780**	**028778**	**028776**
	DMCCB-256	100	**028785**	**028783**	**028781**
C-Face Clutch Only	DMCCO-50	22	**028855**	**028853**	**028851**
	DMCCO-100	34	**028860**	**028858**	**028856**
	DMCCO-180	34	**028865**	**028863**	**028861**
	DMCCO-210	100	**028870**	**028868**	**028866**
	DMCCO-256	100	**028875**	**028873**	**028871**

Size	Static Torque (Lb.-Ft.)	C-Face Frame	Input Hub Dia	Output Shaft Dia	Keyway	A Max	B	C	D Max	E Max	F	G*	K
50	22	56C	5/8	5/8	3/16 x 3/32	6.75	4.84	1.59	6.75	.16	4 Equally Spaced 3/8-16 UNC on 5.875" Dia. B.C.	1.30	4.50
100	34	56C	5/8	5/8	3/16 x 3/32	6.75	4.84	1.59	6.75	.16		1.30	4.50
180	34	143TC and 145TC	7/8	7/8	3/16 x 3/32	6.75	4.84	1.59	6.75	.16		1.30	4.50
210	100	182TC and 184TC	1-1/8	1-1/8	1/4 x 1/8	8.83	6.20	2.00	9.05	.27	4 Equally Spaced 1/2-13 UNC on 7.25" Dia. B.C.	1.57	8.50
256	100	213TC and 215TC	1-3/8	1-3/8	5/16 x 5/32	9.32	6.20	2.50	9.05	.27		1.57	8.50

* G Dimension = Electrical Connection

Clutch/Brake Modules

DMCCB-PSM
Power Supply Mounted †
Clutch Brake Motor



Part Number		Static Torque (Lb-Ft)	Coil Voltage 90 VDC
C-Face Clutch & Brake	DMCCB-50-PSM	22	**028977**
	DMCCB-180-PSM	34	**028979**
	DMCCB-210-PSM	100	**028981**

Size	Static Torque (Lb.-Ft.)	C-Face Frame	Input Hub Dia	Output Shaft Dia	Keyway	A Max	B	C	D Max	E Max	F	G*	K
50	22	56C	5/8	5/8	3/16 x 3/32	6.75	4.84	1.59	6.75	.16	4 Equally Spaced 3/8-16 UNC on 5.875" Dia. B.C.	1.30	4.50
180	34	143TC and 145TC	7/8	7/8	3/16 x 3/32	6.75	4.84	1.59	6.75	.16		1.30	4.50
210	100	182TC and 184TC	1-1/8	1-1/8	1/4 x 1/8	8.83	6.20	2.00	9.05	.27	4 Equally Spaced 1/2-13 UNC on 7.25" Dia. B.C.	1.570	8.50

* G Dimension = Electrical Connection

† **NOTE:** Unit includes two model 50 power supplies (120 VAC input) part number 032408

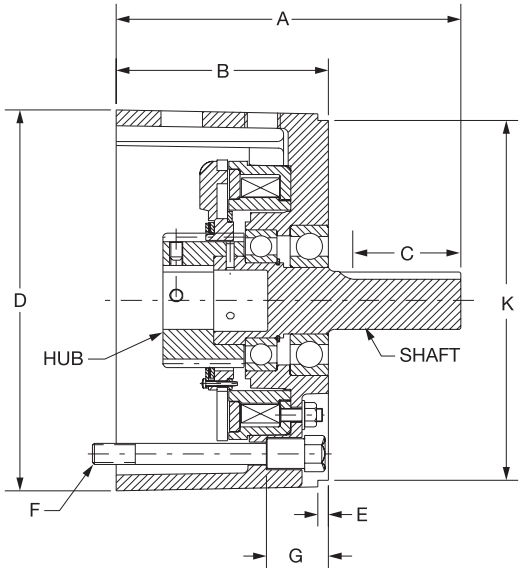
SELECTION/DIMENSIONS

Clutch/Brake Modules

DMCBO

DMCBX

The DMCBO mounts and operates in a manner similar to DMCCB, but as a power-on brake only. Brake ratings are the same as the DMCCB. Dimensionally, the DMCBO is shorter axially from C-face to output shaft. The DMCBX power-on brake is designed to be mounted on a double shafted C-face motor. It is shorter axially than comparable power-off brakes and provides the advantages of C-face mounting in space restricted applications. Sizes and ratings are the same as the DMCBO brakes.



Clutch/Brake Module (Clutch Only - Same Dimensions)

Part Numbers		Static Torque (Lb.-Ft.)	Coil Voltage		
			90 VDC	24 VDC	6 VDC
C-Face Brake Only	DMCBO-50	22	**028120**	**028123**	**028121**
	DMCBO-100	34	**028920**	**028923**	**028921**
	DMCBO-180	34	**028220**	**028223**	**028221**
	DMCBO-210	100	**028320**	**028323**	**028321**
	DMCBO-256	100	**028820**	**028823**	**028821**
C-Face Brake Only (No Shaft)	DMCBX-50	22	**028125**	**028128**	**028126**
	DMCBX-180	34	**028225**	**028228**	**028226**
	DMCBX-210	100	**028325**	**028328**	**028326**
	DMCBX-256	100	**028825**	**028828**	**028826**

Size	Static Torque (Lb.-Ft.)	C-Face Frame Size	Hub Dia.	Output Shaft Dia.	Keyway	A Max	B	C	D Max	E Max	F	G*	K
DMCBO-50	22	56C	5/8	5/8	3/16x3/32	5.18	3.28	1.59	6.75	.16	4 Equally Spaced 3/8-16 UNC on 5.875" Dia. B.C.	1.30	4.50
DMCBX-50	22	56C	5/8	-	3/16x3/32	3.30	3.28	-	6.75	.16		1.30	4.50
DMCBO-100	34	56C	5/8	5/8	3/16x3/32	5.18	3.28	1.59	6.75	.16	4 Equally Spaced 3/8-16 UNC on 5.875" Dia. B.C.	1.30	4.50
DMCBO-180	34	143TC and 145TC	7/8	7/8	3/16x3/32	5.18	3.28	1.59	6.75	.16		1.30	4.50
DMCBX-180				-		3.30		-					
DMCBO-210	100	182TC and 184TC	1-1/8	1-1/8	1/4X1/8	7.65	5.02	2.00	9.00	.27	4 Equally Spaced 1/2-13UNC on 7.25" Dia. B. C.	1.57	8.50
DMCBX-210				-		5.17		-					
DMCBO-256	100	213TC and 215TC	1-3/8	1-3/8	3/16x5/32	8.04	5.02	2.50	9.00	.27		1.57	8.50
DMCBX-256				-		4.92		-					

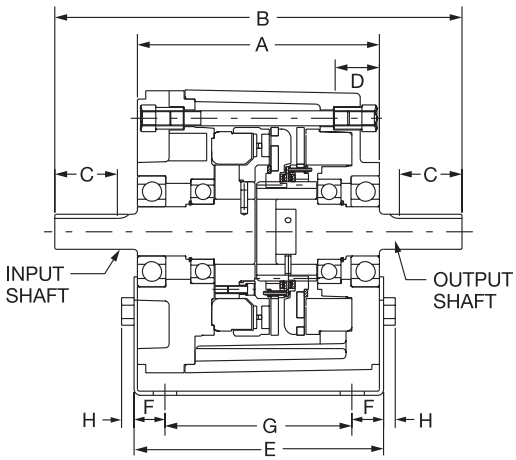
* G Dimension = Electrical Connection

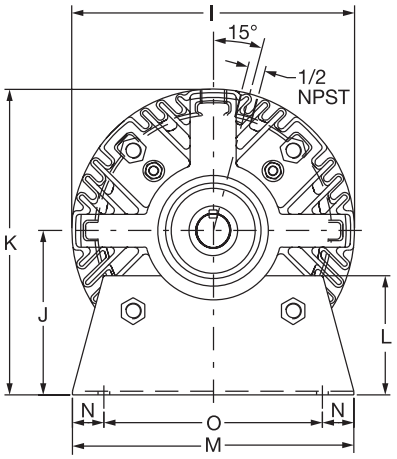
DODGE

Clutch/Brake Modules

DMSCB & DMSCO

The DMSCB clutch/brake module is rated identically to the C-face version, but is mounted on a base with standard shaft input and output. It can be direct coupled or linked by belt drive to motor and driven equipment. The DMSCO mounts and operates in a manner similar to the DMSCB, but as a clutch only. Clutch ratings and dimensions of both units are identical.





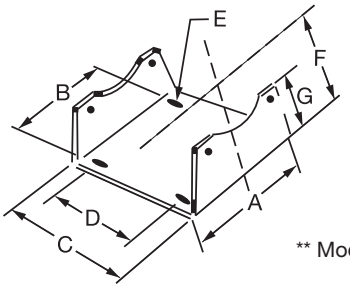
Part Numbers		Static Torque (Lb.-Ft.)	Coil Voltage		
			90 VDC	24 VDC	6 VDC
Base Mount	DMSCB-50	22	**028130**	**028133**	**028131**
Clutch &	DMSCB-180	34	**028230**	**028233**	**028231**
Brake	DMSCB-210	100	**028330**	**028333**	**028331**
Base Mount	DMSCO-50	22	**028140**	**028143**	**028141**
Clutch	DMSCO-180	34	**028240**	**028243**	**028241**
Only	DMSCO-210	100	**028340**	**028343**	**028341**

Size	Static Torque (Lb.-Ft.)	Shaft Dia.	Keyway	A	B	C Min	D*	E	F	G	H	I Max	J	K	L	M	N	O
50	22	5/8	3/16 x 3/32	5.72	9.49	1.59	1.30	5.70	0.85	4	0.34	6.75	3.50	6.87	2.00	6	0.50	5.00
180	34	7/8			9.49	1.59							4.50	7.87	3.00			
210	100	1-1/8	1/4 x 1/8	7.71	12.97	2.00	1.57	8.20	1.09	6	0.44	9.05	5.25	9.78	3.37	9	0.62	7.75

* D Dimension - Electrical Connection

DMS Series Module Bases

Style	Size	Base Part Number
Module Base	DM-50-B	**028180**
	DM-180-B	**028280**
	DM-210-B	**028380**



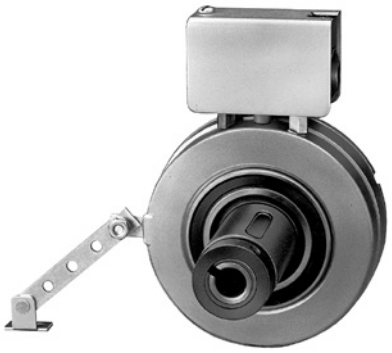
Size	A	B	C	D Nom	E (Slot)	F	G
DM-50-B	6.00	5.00	5.70	4.00	.75 x.40	3.50	2.00
DM-180-B	6.00	5.00	5.70	4.00	.75 x.40	4.50	3.00
DM-210-B	9.00	7.75	8.20	6.00	.75 x.53	5.25	3.80

** Module base sold separately

FEATURES/BENEFITS

Shaft Mounted Clutches & Brakes

IEC SERIES - Shaft Mounted Clutches



DODGE IEC Electric Clutches are engineered to mount on standard motor shafts or thru shafts. These clutches are designed to accept standard sheaves, sprockets & gears. The product features include:

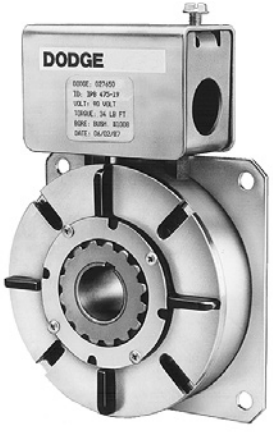
- **Mounting Flexibility**-Offered in bore sizes from 1/2” to 1-3/8”
- **Torque Range**-Rating from 22 lb-ft. to 175 lb-ft. handling from 1/50 to 7-1/2 HP @ 1800 RPM. Units are pre-burnished at the factory.
- **Easy Installation**-Sheaves, sprockets, gears or other standard power transmission components mount directly to the clutch hub.
- **Conduit Box** meets Industry Standards-C-UL-UL.
- **Long Life**-Minimal Maintenance-Integral splined armature and fan designed for maximum cooling.
- **DYNA-GAP**-Automatic Wear Compensation.
- **Maintenance**- Friction surfaces easily replaced.

IEB SERIES - Shaft Mounted Power-On Brakes

DODGE IEB Electric Brakes are engineered to mount on standard motor shafts or thru shafts.

- **Mounting Flexibility**-Offered in bore sizes from 1/2” to 1-11/16”
- **Torque Range**-Rating from 22 lb-ft. to 175 lb-ft. handling from 3/4 to 20 HP @1800 RPM. Units are pre-assembled at the factory.
- **Conduit Box** meets Industry Standards-C-UL-UL.
- **Long Life**-Minimal Maintenance-Integral splined armature and fan designed for maximum cooling.
- **DYNA-GAP**-Automatic Wear Compensation

IPB SERIES - Flange Mounted Brakes



DODGE IPB Electric Brakes are equipped with flange for ease of mounting to any suitable mounting surface.

- **Mounting Flexibility**-Offered in bore sizes from 1/2” to 1-3/8”
- **Torque Range**-Rating from 22 lb-ft. to 100 lb-ft. handling from 3/4 HP to 10 HP@ 1800 RPM.
- **Conduit Box** meets Industry Standards-CUL-UL.
- **Long Life**-Minimal maintenance-Integral splined armature and fan designed for maximum cooling.
- **DYNA-GAP**-Automatic wear compensation.

Shaft Mounted Clutches & Brakes

SPECIFICATION

The Shaft Mounted Series of Clutches and Brakes are factory assembled, tested, and pre-burnished. They are engineered and ready to mount on standard motor shafts or thru shafts. The IPB brake is flange mounted on a bulkhead, suitable frame, or on the motor. They are long life and minimal maintenance with an integral splined armature with fan designed for maximum cooling.

HOW TO ORDER

Shaft Mounted Clutches & Brakes are ordered by specifying the unit size, bore size (or bushing size if Taper-Lock), and voltage. Part numbers are found on the selection pages for each type of unit. Refer to the part number when ordering.

NOMENCLATURE

I EC - 375

Integral HP

Style
- EC = Electric Shaft Mounted Clutch
- EB = Electric Shaft Mounted Brake
- PB = Electric Flange Mounted Brake

Unit Size (Outside Dia.)
- 375 = 3.75”
- 475 = 4.75”
- 650 = 6.50”
- 825 = 8.25”

SPECIFICATION/HOW TO ORDER/NOMENCLATURE

DODGE

Shaft Mounted Clutches & Brakes

1. Determine the horsepower and the speed at the clutch or brake.
2. Choose proper size based on motor HP and operating speed.
3. Check to ensure the maximum allowable cycles per minute rating is not exceeded by consulting the charts in the Engineering/Technical section.

IEC Series/RPM

HP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1500	1800	2000	2400	3000	3600	4000	4500	5000
1/50																					
1/20																					
1/12									IEC-375												
1/8																					
1/6																					
1/4																					
1/2																					
3/4									IEC-475												
1																					
1-1/2																					
2									IEC-650												
3																					
5									IEC-825												
7-1/2																					

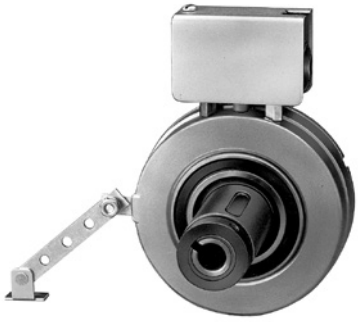
IEB and IPB* Series/RPM

HP	100	200	300	400	500	600	700	800	900	1000	1100	1200	1500	1800	2000	2400	3000	3600	4000	4500	5000
1/12																					
1/8																					
1/6																					
1/4									IEB-375/IPB-375												
1/3																					
1/2																					
3/4																					
1																					
1-1/2									IEB-475/IPB-475												
2																					
3									IEB-650/IPB-650												
5																					
7-1/2									IEB-825*												
10																					
15																					
20																					
25																					
30																					
40																					

* IPB selection through size 650

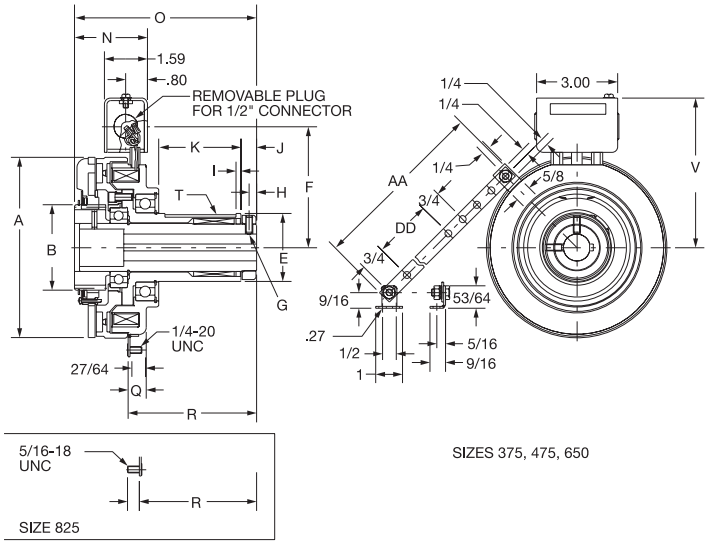
DODGE

Shaft Mounted Clutches & Brakes



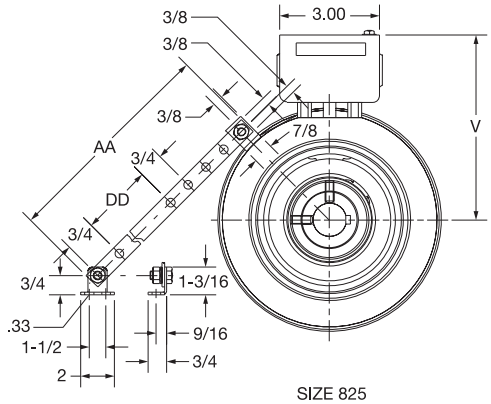
IEC SERIES

IEC Series Shaft Mounted Clutches are factory assembled, tested, preburnished and ready to mount on standard motor shafts. Sheaves, sprockets, gears or other power transmission components can be mounted directly on the clutch hub extension with standard DODGE TAPER-LOCK® bushings.



Part Numbers

Unit Size	Voltage	Bore Size							
		1/2"	5/8"	3/4"	7/8"	1	1- 1/8"	1- 1/4"	1 -3/8"
IEC-375	90 VDC	027500	027501						
	24 VDC	027506	027507						
	6 VDC	027502	027503						
IEC-475	90 VDC		027600	027601	027602				
	24 VDC		027609	027610	027611				
	6 VDC		027603	027604	027605				
IEC-650	90 VDC					027700	027701	027702	027703
	24 VDC					027712	027713	027714	027715
	6 VDC					027704	027705	027706	027707
IEC-825	90 VDC					027806	027800	027801	027802
	24 VDC					027812	027813	027814	027815
	6 VDC					027807	027803	027804	027805



IEC Series Dimensions

Size	Bore ±.001	Keyway	Static Torque Lb-Ft	A Max	B Max	E Dia	F	G Set Screw	H	I	J	K	N Max	O Max	Q	R	T Keyway	V Max	W	AA	DD
IEC-375	1/2 5/8	1/8 x 1/16 3/16 x 1/16*	22	4.08	1.70	1.375 1.3735	3.20	#10-24	.18	.22	.35	2.10	2	4.65	.60	3	5/16x3/16*	4.23	2.44	5	1.50
IEC-475	5/8 3/4 7/8	3/16 x 3/32 3/16 x 3/32 3/16 x 3/32*	34	5.17	2.20	1.625 1.6235	3.78	1/4-20	.28	.20	.58	2.39	2.10	5.30	.60	3.53	3/8x1/16*	4.98	2.98	5	1.50
IEC-650	1 1-1/8 1-1/4 1-3/8	1/4 x 1/8 1/4 x 1/8 1/4 x 1/8 5/6 x 3/32*	100	6.68	3.17	2.500 2.4985	4.47	1/4-20	.27	.19	.56	3.08	2.69	6.72	.52	4.61	5/8x3/32*	5.66	3.73	10◆	6.50
IEC-825	1 1-1/8 1-1/4 1-3/8	1/4 x 1/8 1/4 x 1/8 1/4 x 1/8 5/16x3/32*	175	8.43	3.17	2.500 2.4985	5.35	1/4-20	.27	.19	.56	3.08	2.81	7.01	-	4.19	5/8x3/32*	6.54	5.06	17◆	2.88

◆ Tab location on IEC-650 45° counterclockwise from top; tab location on IC-825 45° clockwise from top

* Non-standard keyway - keys furnished with clutch

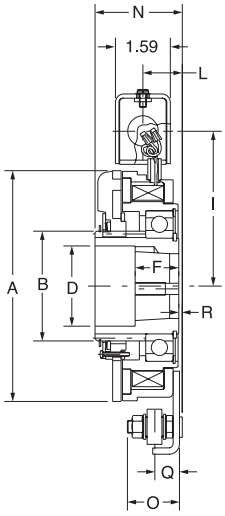
SPECIFICATION/HOW TO ORDER/NOMENCLATURE

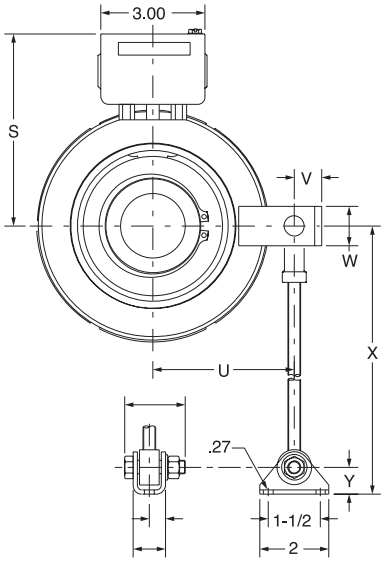
DODGE

Shaft Mounted Clutches & Brakes

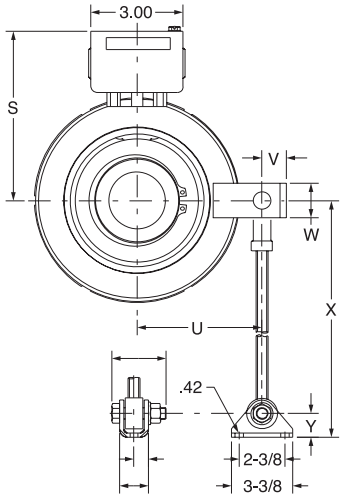
IEB SERIES

IEB Series Shaft Mounted Power-On Brakes offer a wide selection of bore sizes with the use of the DODGE TAPER-LOCK bushings. The anti-rotation torque arm can be mounted in any location around the shaft for further application flexibility.





SIZES 375, 475



SIZES 650, 825

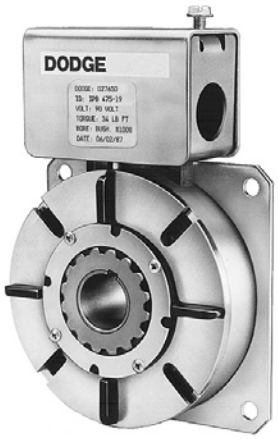
Part Numbers

Unit Size	Voltage	Bore Size			
		1/2"	5/8"	TAPER-LOCK	
IEB-375	90 VDC	**027550**	**027551**		
IEB-375	24 VDC	**027556**	**027557**		
IEB-375	6 VDC	**027552**	**027553**		
IEB-475	90 VDC			**027650**	TAPER-LOCK
IEB-475	24 VDC			**027653**	#1008
IEB-475	6 VDC			**027651**	1" Max.
IEB-650	90 VDC			**027750**	TAPER-LOCK
IEB-650	24 VDC			**027753**	#1310
IEB-650	6 VDC			**027751**	1-7/16" Max.
IEB-825	90 VDC			**027850**	TAPER-LOCK
IEB-825	24 VDC				#1615
IEB-825	6 VDC			**027851**	1-11/16" Max.

* TL Bushing sold separately

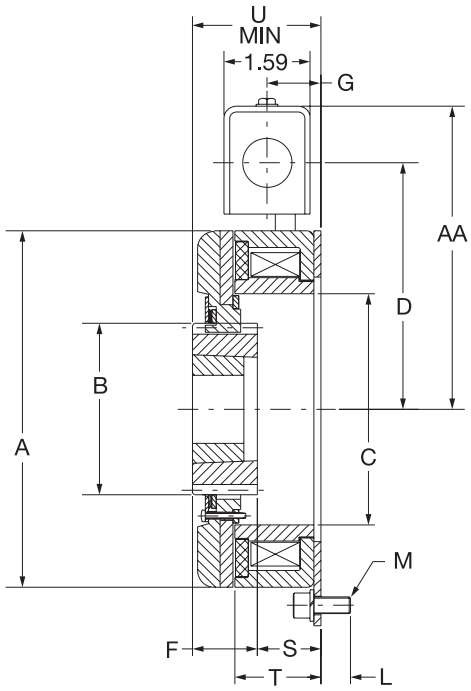
Size	Bore	Keyway	Static Torque Lb-Ft.	A Max.	B	D	F	I	L	N Max.	O	Q	R Max.	S	U	V	W	X Max.	Y
IEB-375	1/2 5/8	1/8 x 1/16 3/16 x 3/32	22	4.08	1.70	.98	1.66	3.34	.90	2.25	1.00	.33	.15	4.45	2.52	.66	1.00	8	.69
IEB-475	TAPER-LOCK Bushing #1008 1" Max.		34	5.17	2.20	1.45	1.00	3.88	.75	1.88	1.00	.33	.15	4.98	3.05	.78	1.00	10	.69
IEB-650	TAPER-LOCK Bushing #1310 1-7/16" Max.		100	6.65	3.17	2.30	1.27	4.55	1.13	2.51	1.31	.80	.09	5.74	4.06	.78	1.13	11.78	.78
IEB-825	TAPER-LOCK Bushing #1615 1-11/16" Max.		175	8.39	3.17	2.25	1.63	5.42	1.18	2.72	1.31	.80	-	6.61	4.81	.84	1.13	11.78	.78

Shaft Mounted Clutches & Brakes



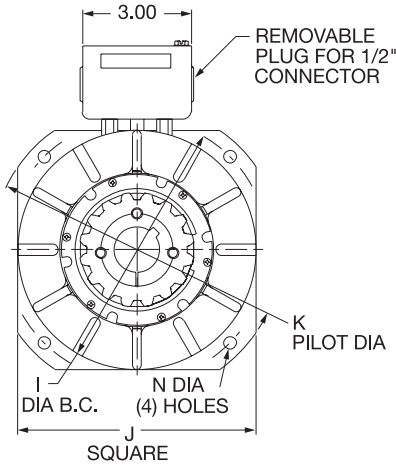
IPB SERIES

IPB Series Flange Mounted Power-On Brakes operate similar to the FB Series brake. The brake magnet/flange can be mounted to any suitable mounting surface.
Armature mounts to load shaft using DODGE TAPER-LOCK bushings.



Unit	Voltage Size	Bore Size 1/2"	5/8"	3/4"	7/8"	TAPER-LOCK
IPB-375	90 VDC	**029900**	**029901**	**029902**	**029903**	
	24 VDC	**029918**	**029919**	**029920**	**029921**	
	6 VDC	**029909**	**029910**	**029911**	**029912**	
IPB-475	90 VDC					**029904** TAPER-LOCK
	24 VDC					**029922** #1008
	6 VDC					**029913** 1" Max.
IPB-650	90 VDC					**029905** TAPER-LOCK
	24 VDC					**029923** #1610
	6 VDC					**029914** 1-11/16" Max.

* TL Bushing sold separately



Size	Bore	Keyway	Static Torque (Lb.-Ft.)	A Max	B	C	D	F	G	I	J Sq.	K	S	T	U Min.	M	L Max.	AA*	N	P
IPB-375	1/2 5/8 3/4 7/8	1/8x1/16 3/16x3/32 3/16 x 3/32 3/16 x 3/32	22	4.08	1.70	2.62	3.34	1.66	.78	5.00	4.25	5.625 5.623	1.04	1.15	2.36	4.45	.61	1/4-20 UNC	.280 .300	4.00
IPB-475	Bushing 1008-1 1" Max.		34	5.17	2.20	3.15	3.88	1.00	.88	5.88	5.00	6.500 6.498	.97	1.31	2.23	4.98	.52	3/8-16 UNC	0.389 0.409	4.00
IPB-650	Bushing 1610 1-3/8" Max.		100	6.65	3.17	4.27	4.55	1.20	.99	7.25	6.50	8.000 7.998	1.17	1.59	2.37	5.74	.55	5/16-18 UNC	0.338 0.358	4.00

* Screw not included

FEATURES/BENEFITS

Fractional HP Clutches & Brakes

SL SERIES

BSL SERIES

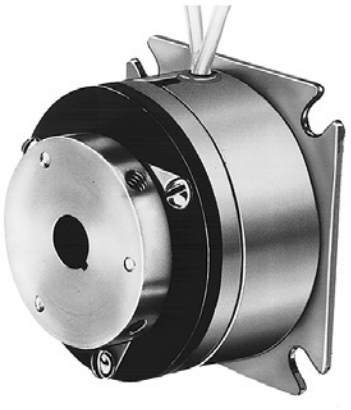
SL & BSL SERIES ELECTRIC CLUTCHES

- Bearing Mounted
- Couples 2 Parallel Shafts
- Sl Has 9 Sizes For Shaft Diameters 3/16"-3/4"
- Bsl Has 2 Sizes For Shaft Diameters 1/2"-1"
- Protective Zinc Chromate Plating

SO SERIES

SO SERIES ELECTRIC CLUTCH-COUPLINGS

- Couples In-Line Shafts
- Zinc Chromate Plating For Corrosion Resistance
- 9 Sizes For Shaft Diameters 3/16"-1"



FB SERIES

FB SERIES POWER ON BRAKES

- Power-On Brake, Engages When Voltage Is Applied, Releases When Voltage Is Turned Off
- 9 Sizes For Shaft Diameters 3/16"-1"

FSB SERIES

FSBR SERIES

FSB AND FSBR SERIES POWER OFF BRAKES

FSB

- Flange Mounted
- Engages When Voltage Is Removed
- 7 Sizes For Shaft Diameters 3/16"-3/4"
- Non-Asbestos, Non-Lead Friction Material For Long-Life And Quiet Operation

FSBR

- Designed For Applications Requiring Minimal Space
- 5 Sizes For Shaft Diameters 5/16"-3/4"
- Non-Asbestos, Non-Lead Friction Material For Long-Life And Quiet Operation

Fractional HP Clutches & Brakes

SPECIFICATION

The Fractional HP product offerings include three shaft mounted clutches and three flange mounted brakes. In the shaft mounted line, the SL and BSL series are used to couple two parallel shafts, and the SO series is used to couple two in-line shafts. They are engineered for easy installation, and incorporate a zero backlash armature hub assembly. In the flange mounted line, the FB series is "power-on" and the FSB and FSBR series are "power-off".

HOW TO ORDER

Fractional HP Clutches and Brakes are ordered by specifying the type of unit, size, voltage and bore size. Part numbers are found on the selection pages for each type of unit. Refer to the part number when ordering.

NOMENCLATURE

SL 15 - 90 x 38

TYPE

SL	Shaft Mounted Clutch
BSL	Ball Bearing Mounted Clutch
SO	Shaft Mounted Clutch Coupling
FB	Flange Mounted Brake
FSB	Fail Safe (Power-off) Brake
FSBR	Fail Safe (Power-off) Brake Reverse Mount

SIZE (Approximate O.D. of Unit)

VOLTAGE

24 VOLT
90 VOLT
* Other Voltages Available by Special Order

BORE SIZE

SELECTION

Fractional Hp Clutches & Brakes

Power-On Clutch & Brake Selection

1. Determine the motor horsepower required (or torque required for sizes 08-15) and speed at the clutch location. For optimum performance, the clutch should be mounted on the highest speed shaft.
2. Using the Selection Chart, identify the proper clutch size-where the shaft speed intersects the HP (or torque) required.
3. Where rapid cycling occurs, check the Allowable Cycles Chart below. If the allowable cycle rate is exceeded, consult DODGE Engineering.
4. Specify the voltage and shaft size when ordering.
5. For optimum performance, use a properly sized control.

Allowable Cycles/Minute*

Unit Size	RPM	Inertia (Lb-In2)				Unit Size	RPM	Inertia (Lb-In2)			
		5	10	50	100			50	100	500	1000
08	225	300	200	30	12	19	225	200	120	20	8
	900	30	12	2	1		900	9	5	1	-
11	225	-	300	60	30	22	225	250	150	25	10
	900	45	20	3	2		900	12	6	1	-
15	225	-	350	120	60	26	225	300	200	30	12
	900	60	30	6	3		900	20	9	2	1
17	225	-	-	150	100	30	225	350	250	40	20
	900	80	40	7	4		900	25	12	3	1
						42	225	-	300	60	30
							900	30	20	4	2

* Chart intended as a guide. For other speeds and inertias, consult DODGE

For SL, BSL, SO Series

Torque Lb-In★	Shaft Speed At Clutch (Rpm)																			
	100	200	300	400	500	600	700	800	900	1000	1100	1200	1500	1800	2000	2400	3000	3600	4000	5000
0.50								08												
1.00																				
1.50																				
2.00																				
2.50										11										
3.00																				
3.50																				
4.00																				
4.50																				
5.00										15										
5.50																				
6.00																				
6.50																				
7.00																				

★ Slightly higher torque ratings may be allowable for some speeds. Consult DODGE

SELECTION

HP vs. RPM (Sizes 17 thru 42) - Selection Chart

HP	Shaft Speed At Clutch (RPM)																			
	100	200	300	400	500	600	700	800	900	1000	1100	1200	1500	1800	2000	2400	3000	3600	4000	5000
1/50																				
1/20													17							
1/12																				
1/8												19								
1/6											22									
1/4											26									
1/3																				
1/2											30									
3/4											42									
1																				
1 1/2																				
2																				
3																				
5																				
7-1/2																				
10																				

For FB Series:
Torque Rating vs. RPM (Sizes 08 thru 15)- Selection Chart

Torque Lb-In ★	Shaft Speed At Clutch (RPM)																			
	100	200	300	400	500	600	700	800	900	1000	1100	1200	1500	1800	2000	2400	3000	3600	4000	5000
0.5								08												
1.0																				
1.5																				
2.0																				
2.5										11										
3.0																				
3.5																				
4.0																				
4.5																				
5.0										15										
5.5																				
6.0																				
6.5																				
7.0																				

★ Slightly higher torque ratings may be allowable for some speeds. Consult DODGE.

HP vs. RPM (Sizes 17 thru 42)-Selection Chart

HP	Shaft Speed At Clutch (RPM)																			
	100	200	300	400	500	600	700	800	900	1000	1100	1200	1500	1800	2000	2400	3000	3600	4000	5000
1/50																				
1/20																				
1/12												17								
1/8																				
1/6																				
1/4											19									
1/3																				
1/2											22									
3/4											26									
1																				
1 1/2											30									
2											42									
3																				
5																				
7 1/2																				
10																				

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SELECTION

Fractional HP Clutches & Brakes

1. Determine the motor horsepower required and speed at the brake location. For optimum performance, the brake should be mounted on the highest speed shaft.
2. Using the Selection Chart, identify the proper brake size-where the shaft speed intersects the HP required.
3. Where rapid cycling occurs, check the Allowable Cycles Chart below. If the allowable cycle rate is exceeded, consult DODGE Engineering.
4. Specify the voltage and shaft size when ordering.
5. For optimum performance, use a properly sized control.

FSB Allowable Cycles/Minutes*

Unit Size	RPM	Inertia (Lb-In2)				Unit Size	RPM	Inertia (Lb-In2)			
		1	5	10	50			10	50	100	500
01	1800	60	12	6	1	35	1800	25	5	2.50	0.50
	3600	15	3	1.50	-		3600	5	1	0.50	-
03	1800	80	16	8	2	50	1800	25	5	2.50	0.50
	3600	20	4	2	-		3600	5	1	0.50	-
07	1800	150	30	15	3	100	1800	50	10	5	1
	3600	40	8	4	3		3600	12	2.50	1.20	-
15	1800	150	30	15	3						
	3600	40	8	4	0.80						

* Chart intended as guide. For other speed and inertias, consult DODGE

For FSB Series:
Torque Rating vs. RPM (Sizes 001 thru 007) - Selection

Torque Lb-In	Shaft Speed At Brake (RPM)																			
	100	200	300	400	500	600	700	800	900	1000	1100	1200	1500	1800	2000	2400	3000	3600	4000	5000
0.50											1									
0.75																				
1.00																				
2.00											3									
2.50																				
2.75																				
3.00																				
5.00																				
6.25											7									
6.50																				
6.75																				
7.00																				

HP vs. RPM (Sizes 17 thru 42) - Selection

HP	Shaft Speed At Brake (RPM)																			
	100	200	300	400	500	600	700	800	900	1000	1100	1200	1500	1800	2000	2400	3000	3600	4000	5000
1/50																				
1/20																				
1/12											15									
1/8																				
1/6																				
1/4																				
1/3											35									
1/2																				
3/4											50									
1																				
1-1/2											100									
2																				
3																				
5																				
7-1/2																				
10																				

Fractional HP Clutches & Brakes

For FSBR Series

HP	Shaft Speed At Brake (RPM)																			
	100	200	300	400	500	600	700	800	900	1000	1100	1200	1500	1800	2000	2400	3000	3600	4000	5000
1/50																				
1/20																				
1/12											7									
1/8																				
1/6											15									
1/4																				
1/3																				
1/2											35									
3/4											50									
1																				
1-1/2											100									
2																				
3																				
5																				
7-1/2																				
10																				

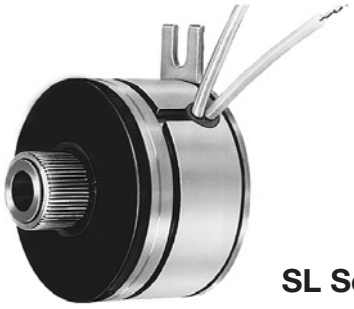
FSBR Allowable Cycles/Minutes ★

Unit Size	RPM	Inertia (Lb.- in.2)			
		5	10	50	100
07	1800	30	15	3	-
	3600	8	4	0.8	-
15	1800	30	15	3	-
	3600	8	4	0.8	-
35	1800	50	25	5	2.5
	3600	10	5	1	0.5
50	1800	50	25	5	2.5
	3600	10	5	1	0.5
100	1800	100	50	10	5
	3600	25	12	2.5	1.2

★ Chart intended as a guide. For other speeds and inertias, consult DODGE.

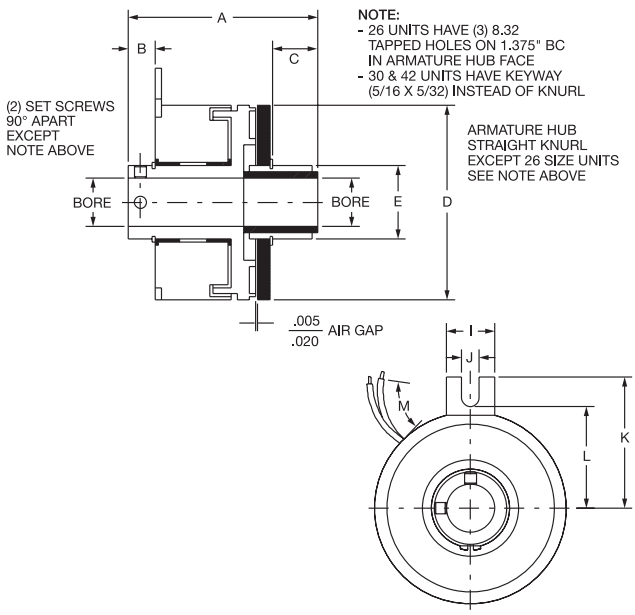
PT Component Quick References
Couplings
Clutches and Brakes
FLEXIDYNE
Fluid Couplings
TORQUE-TAMER
Bushings

SELECTION/DIMENSIONS



SL Series

The Shaft Mounted SL SERIES clutches are engineered for easy installation. Nine sizes are available for shaft diameters from 3/16" to 3/4".The SL Armature Hub will accept sheaves, sprockets, gears or other typical power transmission drive components. SL Clutches are plated for protection from the environment. The SL units have a zero backlash armature hub assembly.



SL Series Dimensions

Size	Part No.	Volts DC	Bore In. ★	Rotor Keyway	Static Torque (Lb.-In.)	A Max	B Nom	C Max	D Max	E ±.002	I Max	J Min	K Nom	L Nom	M ±.500
SL-08	**024000**	90	3/16	set screws	2.5	1.370	.191	.410	.903	.507	.305	.094	0.625	.445	12.00
	024001		1/4												
	024002	24	3/16												
	024003		1/4												
SL-11	**024100**	90	1/4	set screws	6	1.409	.147	.396	1.160	.506	.380	.122	0.875	.585	12.00
	024101		5/16												
	024102	24	1/4												
	024103		5/16												
SL-15	**024200**	90	5/16	set screws	10	1.695	.275	.303	1.500	.630	.520	.180	1.120	.750	12.00
	024201		3/8												
	024202	24	5/16												
	024203		3/8												
SL-17	**024300**	90	5/16	set screws	15	1.823	.279	.380	1.780	.630	.505	.184	1.325	.975	12.00
	024301		3/8												
	024302	24	5/16												
	024303		3/8												
SL-19	**024400**	90	3/8	3/32x3/64 set screws	25	1.948	.279	.465	2.000	.756	.505	.184	1.325	.975	12.00
	024401		1/2												
	024402	24	3/8	3/32x3/64											
	024403		1/2	set screws											
SL-22	**024500**	90	3/8	3/32x3/64	50	2.160	.281	.432	2.260	.756	.442	.170	1.515	1.160	18.00
	024501		1/2	1/8x1/16											
	024502	24	3/8	3/32x3/64											
	024503		1/2	1/8x1/16											
SL-26	**024600**	90	1/2	1/8x1/16	80	2.464	.277	.472	2.645	.999	.510	.190	1.750	1.465	18.00
	024602	24	1/2	1/8x1/16											
SL-30	**024700**	90	1/2	1/8x1/16	125	2.800	.250	.830	3.268	1.374	.442	.170	2.050	1.695	terminals
	024701		5/8	3/16x3/32											
	024702	24	1/2	1/8x1/16											
	024703		5/8	3/16x3/32											
SL-42	**024800**	90	1/2	1/8x1/16	250	3.820	.320	1.560	4.270	1.374	.645	.190	2.500	2.312	terminals
	024801		5/8	3/16x3/32											
	024802		3/4	3/16x3/32											
	024803	24	1/2	1/8x1/16											
	024804		5/8	3/16x3/32											
	024805		3/4	3/16x3/32											

★ Consult DODGE for other bore sizes

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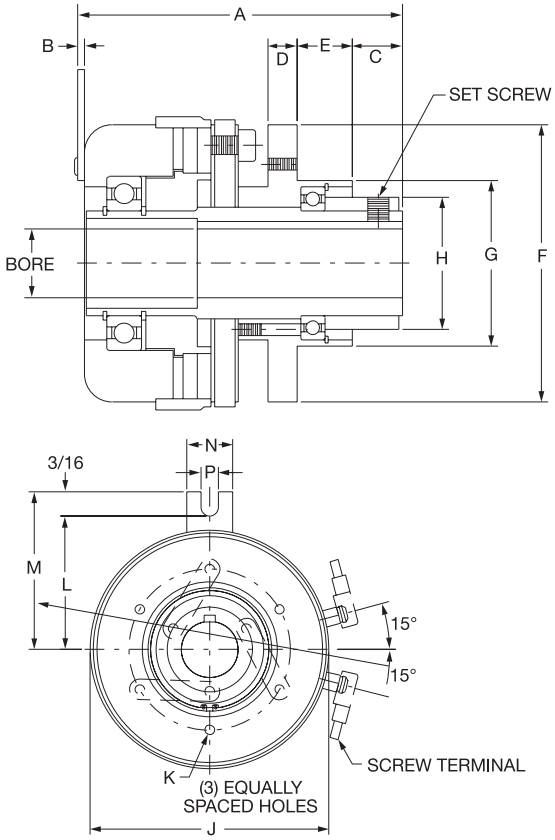
SELECTION/DIMENSIONS

BSL Series

The Shaft Mounted BSL SERIES clutches are engineered for easy installation. Two sizes are available for shaft diameters from 1/2" to 1". The BSL Armature Hub will accept sheaves, sprockets, gears or other typical power transmission drive components. BSL Clutches are plated for protection from the nvironment. The BSL units have a zero backlash armature hub assembly.



BSL Series Dimensions

Size	Part No.	Volts	★ Bore	Rotor Keyway	Set Screw	Static Torque (Lb-In.)	A Max	B Nom	C Max	D Max
BSL-26	**024900**	90	1/2	1/8x1/16	#10-32	80	2.93	.06	.45	.265
	024901	90	5/8	3/16x3/32						
	024902	24	1/2	1/8x1/16						
	024903	24	5/8	3/16x3/32						
BSL-42	**025100**	90	7/8	3/16x3/32	1/4-28	250	3.35	.06	.41	.282
	025101	90	1	1/4x1/8						
	025102	24	7/8	3/16x3/32						
	025103	24	1	1/4x1/8						

Size	E ±.005	F Max	G Pilot Dia.	H Max	J Max	K	L Max	M ±.015	N Max	P Min.
BSL-26	.50	2.505	1.499 1.497	1.195	2.65	(3) 6-32 on 1.790 B.C.	1.482	1.750	.510	.190
BSL-42	.673	4.015	3.000 2.998	1.82	4.27	(3) 1/4-20 on 3.500 B.C.	2.223	2.500	.545	.190

★ Consult DODGE for other bore sizes

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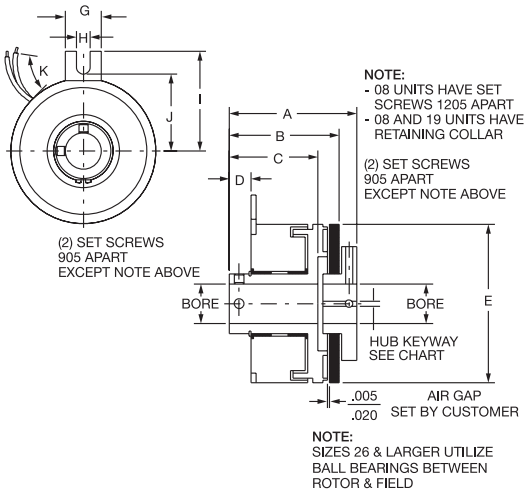
SELECTION/DIMENSIONS



SO Series

The Shaft Mounted SO SERIES Clutches are engineered for easy installation. Nine sizes are available for shaft diameters from 3/16" to 1". SO Clutches are plated for protection from the environment and have a zero backlash armature hub assembly.

SO Series Dimensions

Size	Part No.	● Volts DC	Bore In. ★	Rotor Keyway	Static Torque (Lb.-In.)	A Max	B Max	C Max	D Max	E Max	G Max	H Min	I Nom	J Nom	K ±.500
SO-08	**029000**	90	3/16	set screws	2.5	1.059	.875	.763	.200	.903	.305	.094	.625	.445	12.0
	029001		1/4												
	029002	24	3/16												
	029003		1/4												
SO-11	**029004**	90	1/4	set screws	6	1.168	.933	.777	.164	1.160	.380	.122	.875	.585	12.0
	029005		5/16												
	029006	24	1/4												
	029007		5/16												
SO-15	**029008**	90	5/16	set screws	10	1.575	1.255	1.075	.295	1.500	.520	.180	1.120	.750	12.0
	029009		3/8												
	029010	24	5/16												
	029011		3/8												
SO-17	**029012**	90	5/16	1/16x1/32	15	1.605	1.311	1.060	.301	1.780	.505	.184	1.325	.975	12.0
	029013		3/8	3/32x3/64											
	029014	24	5/16	1/16x1/32											
	029015		3/8	3/32x3/64											
SO-19	**029016**	90	3/8	3/32x3/64	25	1.609	1.314	1.060	.301	2.000	.505	.184	1.325	.975	12.0
	029017		1/2	1/8x1/16											
	029018	24	3/8	3/32x3/64											
	029019		1/2	1/8x1/16											
SO-22	**029020**	90	3/8	3/32x3/64	50	1.989	1.578	1.273	.316	2.260	.442	.170	1.515	1.160	18.0
	029021		1/2	1/8x1/16											
	029022	24	3/8	3/32x3/64											
	029023		1/2	1/8x1/16											
SO-26	**029024**	90	1/2	1/8x1/16	80	2.115	1.754	1.444	.302	2.645	.510	.190	1.750	1.465	18.0
	029025		5/8	3/16x3/32											
	029026	24	1/2	1/8x1/16											
	029027		5/8	3/16x3/32											
SO-30	**029028**	90	1/2	1/8x1/16	125	2.130	1.795	1.390	.270	3.268	.442	.170	2.050	1.695	screw terminals
	029029		5/8	3/16x3/32											
	029031	24	1/2	1/8x1/16											
	029032		5/8	3/16x3/32											
SO-42	**029034**	90	1/2	1/8x1/16	250	2.570	2.050	1.625	.340	4.270	.645	.190	2.500	2.312	screw terminals
	029035		5/8	3/16x3/32											
	029036		3/4	3/16x3/32											
	029037		7/8	3/16x3/32											
	029038		1	1/4x1/8											
	029039	24	1/2	1/8x1/16											
	029040		5/8	3/16x3/32											
	029041		3/4	3/16x3/32											
	029042		7/8	3/16x3/32											
	029043		1	1/4x1/8											

● Other voltages available on request

★ Consult DODGE for other bore sizes

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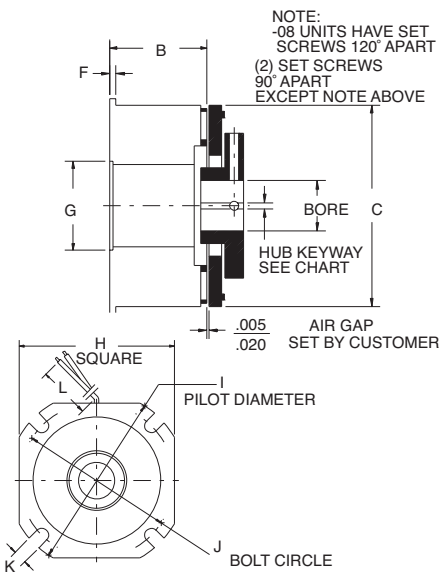
SELECTION/DIMENSIONS

FB Series

The FB Flange Mounted Electric Brakes are designed for easy installation. These power on brakes engage when voltage is applied and release when the voltage is turned off. FB Brakes are available in nine sizes in shaft diameters from 3/16" to 1". These brakes can be used to accurately and repetitively decelerate inertial loads or to control web tension. (Contact application engineering for application assistance.) They incorporate zero backlash style armature assembly.



FB Series Dimensions

Size	Part No.	Volts DC	Bore In. ★	Nominal Keyway	Static Torque (Lb.-In.)	A Max	B Nom	C Max	F Max	G ±.001	H Max	I ±.001	J Nom	K Min	L ±.500
FB-08	**025200**	90	3/16	set screws	2.5	.885	.634	.905	.034	N.A.	.980	1.1995	1.030	.094	12.00
	025201		1/4												
	025202	24	3/16												
	025203		1/4												
FB-11	**025300**	90	1/4	set screws	6	.974	.650	1.160	.052	N.A	1.230	1.498	1.312	.123	12.00
	025301		5/16												
	025302	24	1/4												
	025303		5/16												
FB-15	**025400**	90	5/16	set screws	10	1.304	.867	1.500	.063	N.A.	1.567	1.999	1.750	.156	12.00
	025401		3/8												
	025402	24	5/16												
	025403		3/8												
FB-17	**025500**	90	5/16	1/16x1/32	15	1.269	.848	1.780	.064	0.751	1.943	2.436	2.125	.186	12.00
	025501		3/8	3/32x3/64											
	025502	24	5/16	1/16x1/32											
	025503		3/8	3/32x3/64											
FB-19	**025600**	90	3/8	3/32x3/64	25	1.33	.901	2.00	.062	0.751	1.943	2.436	2.125	0.186	12.00
	025601		1/2	1/8x1/16											
	025602	24	3/8	3/32x3/64											
	025603		1/2	1/8x1/16											
FB-22	**025700**	90	3/8	3/32x3/64	50	1.757	1.173	2.260	.096	1.001	2.322	2.873	2.500	0.160	18.00
	025701		1/2	1/8x1/16											
	025702	24	3/8	3/32x3/64											
	025703		1/2	1/8x1/16											
FB-26	**025800**	90	1/2	1/8x1/16	80	1.815	1.300	2.645	.064	1.062	2.630	3.499	3.125	0.182	18.00
	025801		5/8	3/16x3/32											
	025802	24	1/2	1/8x1/16											
	025803		5/8	3/16x3/32											
FB-30	**025900**	90	5/8	3/16x3/32	125	1.9	1.310	3.268	.097	1.751	3.200	4.186	3.750	0.182	terminals
	025901		3/4												
	025902	24	5/8												
	025903		3/4												
FB-42	**026000**	90	5/8	3/16x3/32	250	2.28	1.490	4.270	.097	1.875	4.255	5.624	5.000	0.276	terminals
	026001		3/4	3/16x3/32											
	026004		7/8	3/16x3/32											
	026005		1	1/4x1/8											
	026002	24	5/8	3/16x3/32											
	026003		3/4	3/16x3/32											
	026006		7/8	3/16x3/32											
	026007		1	1/4x1/8											

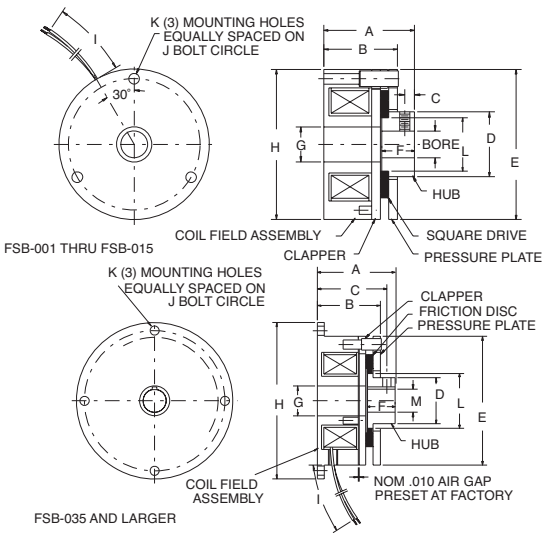
★ Consult DODGE for other bore sizes

FEATURES/BENEFITS PAGE PT2-24	SPECIFICATION PAGE PT2-25	SELECTION PAGE PT2-26	ENGINEERING/TECHNICAL PAGE PT2-38

SELECTION/DIMENSIONS

FSB Series

FSB SERIES Power Off Brakes are designed to decelerate or park inertial loads when the voltage is turned off, either intentionally or accidentally (as in the case of a power failure). These units can be bulkhead or motor mounted and are available in seven torque ranges and shaft sizes 3/16" to 3/4". These units employ unique friction material for long life and quiet operation.



FSB Series Dimensions

Size	Part No.	Volts	Bore In.★	Nominal Keyway	Static Torque (Lb.-In.)	A Max	B Nom	C Nom	D Max	E Max	F Min	G Nom	H Max	I ±.500	J Nom	K Min
FSB-001	**026100**	90 DC	3/16	set screws	1	0.890	.710	.072	.510	1.485	.320	.280	1.375	12.0	1.180	.124
	026101	90 DC	1/4													
	026102	24 DC	3/16													
	026103	24 DC	1/4													
	026104	120 AC	3/16													
	026105	120 AC	1/4													
FSB-003	**026200**	90 DC	1/4	set screws	3	1.060	.870	.115	0.755	1.910	.380	.410	1.752	12.0	1.545	.124
	026201	90 DC	5/16													
	026202	24 DC	1/4													
	026203	24 DC	5/16													
	026204	120 AC	1/4													
	026205	120 AC	5/16													
FSB-007	**026300**	90 DC	5/16	1/16x1/32	7	1.400	1.200	1.255	0.722	2.465	.605	.781	2.436	12.0	2.125	.172
	026301	90 DC	3/8	3/32x3/64												
	026302	24 DC	5/16	1/16x1/32												
	026303	24 DC	3/8	3/32x3/64												
	026304	120 AC	5/16	1/16x1/32												
	026305	120 AC	3/8	3/32x3/64												
FSB-015	**026400**	90 DC	5/16	1/16x1/32	15	1.400	1.200	1.255	0.722	2.465	.605	.781	2.436	12.0	2.125	0.172
	026401	90 DC	3/8	3/32x3/64												
	026402	24 DC	5/16	1/16x1/32												
	026403	24 DC	3/8	3/32x3/64												
	026404	120 AC	5/16	1/16x1/32												
	026405	120 AC	3/8	3/32x3/64												
FSB-035	**026500**	90 DC	1/2	1/8x1/16	35	2.090	1.920	1.960	1.000	3.010	.580	.891	3.500	18.0	3.125	0.200
	026501	90 DC	5/8	3/16x3/32												
	026502	24 DC	1/2	1/8x1/16												
	026503	24 DC	5/8	3/16x3/32												
	026504	120 AC	1/2	1/8x1/16												
	026505	120 AC	5/8	3/16x3/32												
FSB-050	**026600**	90 DC	1/2	1/8x1/16	50	2.090	1.920	1.960	1.000	3.010	.580	.891	3.500	18.0	3.125	0.200
	026601	90 DC	5/8	3/16x3/32												
	026602	24 DC	1/2	1/8x1/16												
	026603	24 DC	5/8	3/16x3/32												
	026604	120 AC	1/2	1/8x1/16												
	026605	120 AC	5/8	3/16x3/32												
FSB-100	**026800**	90 DC	5/8	3/16x3/32	100	2.320	2.080	2.100	.975	4.000	.555	1.188	5.250	18.0	4.750	0.216
	026801	90 DC	3/4													
	026802	24 DC	5/8													
	026803	24 DC	3/4													
	026804	120 AC	5/8													
	026805	120 AC	3/4													

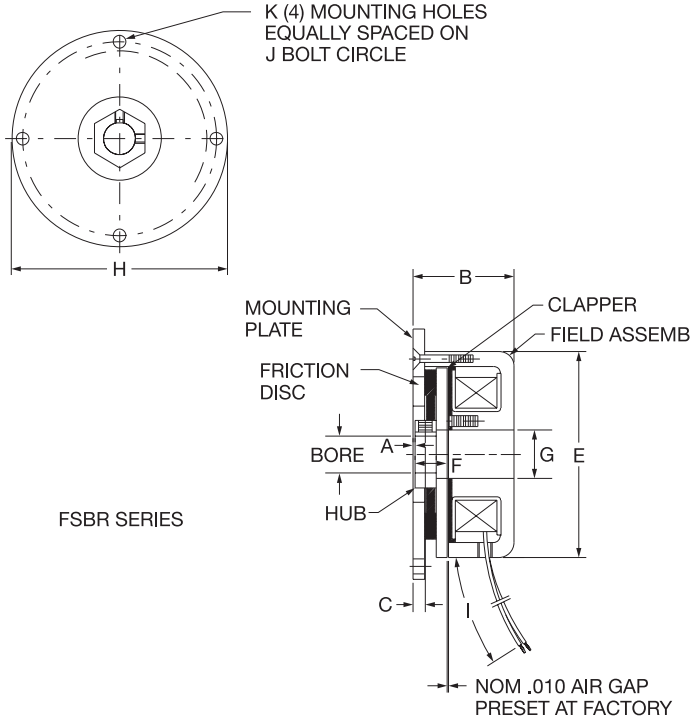
★ Consult DODGE for other bore sizes

FEATURES/BENEFITS PAGE PT2-24	SPECIFICATION PAGE PT2-25	SELECTION PAGE PT2-26	ENGINEERING/TECHNICAL PAGE PT2-38

SELECTION/DIMENSIONS

FSBR Series

FSBR SERIES Power Off Brakes are designed for applications requiring minimum space or on motors with short shaft extensions. When mounted, the armature hub on these units is not exposed like the FSB series. These units are available in five torque ranges and shaft sizes from 5/16" thru 3/4". Unique friction material is employed for long wear life and quiet operation.



FSBR SERIES

FSBR Series Dimensions

Size	Part No.	Volts	Bore In. ★	Nominal Keyway	Static Torque (Lb.-In.)	A ● Max	B Nom	C Nom	E Max	F Min	G Nom	H Max	I .500	J Nom	K Min
FSBR-007	**026900**	90 DC	5/16	1/16x1/32	7	.062	.960	.115	2.260	.605	.781	3.235	12.0	2.844	.172
	026901	90 DC	3/8	3/32x3/64											
	026902	24 DC	5/16	1/16x1/32											
	026903	24 DC	3/8	3/32x3/64											
	026904	120 AC	5/16	1/16x1/32											
	026905	120 AC	3/8	3/32x3/64											
FSBR-015	**027000**	90 DC	5/16	1/16x1/32	15	.062	1.200	.115	2.400	.605	.945	3.235	12.0	2.844	.172
	027001	90 DC	3/8	3/32x3/64											
	027002	24 DC	5/16	1/16x1/32											
	027003	24 DC	3/8	3/32x3/64											
	027004	120 AC	5/16	1/16x1/32											
	027005	120 AC	3/8	3/16x3/32											
FSBR-035	**027100**	90 DC	1/2	1/8x1/16	35	.094	1.905	.239	2.810	.280	.891	3.500	18.0	3.125	.200
	027101	90 DC	5/8	3/16x3/32											
	027102	24 DC	1/2	1/8x1/16											
	027103	24 DC	5/8	3/16x3/32											
	027104	120 AC	1/2	1/8x1/16											
	027105	120 AC	5/8	3/16x3/32											
FSBR-050	**027200**	90 DC	1/2	1/8x1/16	50	.094	1.905	.239	2.810	.280	.891	3.500	18.0	3.125	.200
	027201	90 DC	5/8	3/16x3/32											
	027202	24 DC	1/2	1/8x1/16											
	027203	24 DC	5/8	3/16x3/32											
	027204	120 AC	1/2	1/8x1/16											
	027205	120 AC	5/8	3/16x3/32											
FSBR-100	**027400**	90 DC	5/8	3/16x3/32	100	.140	1.870	.610	4.000	.575	1.188	5.250	18.0	4.750	.216
	027401	90 DC	3/4												
	027402	24 DC	5/8												
	027403	24 DC	3/4												
	027404	120 AC	5/8												
	027405	120 AC	3/4												

● Required distance between Hub & Mounting surface
★ Consult DODGE for other bore sizes

FEATURES/BENEFITS PAGE PT2-24	SPECIFICATION PAGE PT2-25	SELECTION PAGE PT2-26	ENGINEERING/TECHNICAL PAGE PT2-38

MODIFICATIONS/ ACCESSORIES

DODGE

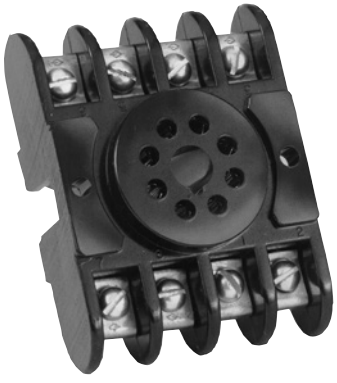
Power Supplies

Model 50 - Conduit box Supply

- Controls one Brake or Clutch
- Input: 120 VAC; 50/60 Hz
- Output: 90 VDC
- Rating: 0.8 amps
- Full wave rectifier
- Dimensions: 5/8” H, 2” W, 1-3/8” D
- Part Number **032408**

Model 75 - Conduit Box Supply

- Controls one Brake or Clutch
- Input: 230 VAC; 50/60 Hz, 1 Phase
- Output: 90 VDC Nominal
- Rating: 0.4 amp Maximum
- Dimensions: 0.62” H, 1.40” W, 0.90” D
- Part Number: **030336**



Octal Socket

- Socket used with Model 100, 200 and 250 power supplies
- Prewired
- U. L. approved
- Industry Standard design
- Dimensions: 3/4” H, 2 1/2” W, 2” D
- Part Number: **032401**

Model 100-Octal Base Mount

- Controls one brake or clutch
- Used with octal socket
- Full wave rectifier
- Input: 120 VAC; 50/60 Hz
- Output: 90 VDC
- Rating: 1.5 amps
- Dimensions: 2” H, 2” W, 2” D
- Part Number: **032400**

DODGE

Power Supplies

Model 200-Octal Base Mount w/Fuse

- Controls one brake and clutch, or two clutches or two brakes
- Input: 120 VAC; 50/60 Hz fused
- Output: 90 VDC
- Used with octal socket
- Full wave rectifier
- Rating: 1.5 amps
- Fused for overload protection
- Dimensions: 2 1/2, H, 2, W, 2, D
- Part Number: **032402**

Model 250 - Octal Base Mount

- Controls one Brake and Clutch; or two Clutches or two Brakes
- Used with Octal Socket
- Input: 115 VAC; 50/60 Hz
- Output: 15-90 VDC Nominal one unit, 90 VDC for the other unit
- Rating: 0.5 amp Maximum
- Dimensions: 2.88” H, 2.38” W, 1.75” D
- Part Number: **030337**

ENGINEERING/ TECHNICAL

DODGE

Motor Brakes

Motor Brake Coil Data

DODGE D-Series motor brakes are equipped with DC voltage coils which are capable of a variety of nameplate voltage possibilities. Please consult Voltage Notes below the chart for these capabilities.

Coil Voltage	3 and 6 Ft.-Lb		10 thru 50 Ft.-Lb	
	Current Draw (Amps)	Resistance (Ohms)	Current Draw (Amps)	Resistance (Ohms)
115/230 VAC 60 Hz (1)	0.19	562	0.28	387
230/460 VAC 60 Hz (2)	0.10	2078	0.14	1550
287/575 VAC 60 Hz (3)	0.09	2987	0.12	2245
104/208 VAC 60 Hz (4)	0.24	384	0.31	290
190/380 VAC 50 Hz (5)	0.13	1341	0.19	923
250/500 VAC 50 Hz	0.10	2336	0.13	1793
48 VDC	0.48	100	0.58	82
24 VDC	0.97	24.70	1.14	21.70
12 VDC	1.95	6.16	2.24	5.40

Voltage News:

(1) 115/208-230 VAC 50 or 60 Hz, 133/265 VAC 60 Hz, 110-125 VDC
(2) 208-230/460 VAC 50 or 60 Hz, 240/480 VAC 60 Hz, 220/440 VAC 50 Hz, 230 VDC
(3) 287/575 VAC 60 Hz, 275/550 VAC 60 Hz, 300/600 VAC 60 Hz
(4) 104/208 VAC 50 or 60 Hz, 100/200 VAC 60 Hz 90-95 VDC
(5) 190/380 VAC 50 Hz, 260/400 VAC 60 Hz, 208/416 VAC 50 Hz

General Notes:

(1) Current and Resistance values are approximate only.
(2) Current and Resistance for other nameplate voltages may vary slightly. Consult DODGE Engineering for actual values
(3) Coil Resistance is measured between leads B4 and B5.

ELECTRICAL CONNECTIONS

Standard DODGE D-Series motor brakes operate on single phase, dual voltage AC.

Connections should be made per Chart 1 (similar chart is also included in a label on the brake). To change the operating voltage, simply change the wiring connections per Chart 1.

When changing brake wiring connections for operation at another voltage, be sure to verify the brake's compatibility with the voltage desired.

Consult Instruction Manual #499765 for complete details on Electrical Connections of DODGE D-Series motor brakes.

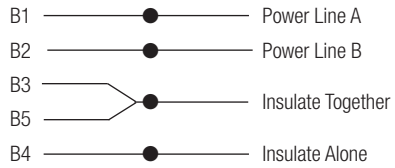
Chart 1

Voltage	Power Line A	Power Line B	Insulate Together	Insulate Alone
AC Voltage-Low (1)	B1	B2	B3 & B5	B4
AC Voltage-High (1)	B1 B5	B2	-	B3 B4
DC Voltage-Low	B1	B2	B3 & B5	B4

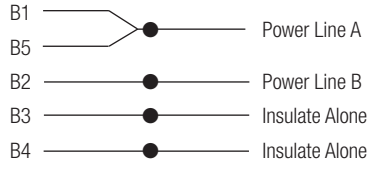
Notes:

(1) Unless specified, all brakes have dual voltage coils. For example, with a 230/460 VAC brake, low voltage = 230 VAC and high voltage = 460 VAC.

AC Voltage - Low and DC Voltage



AC Voltage - High



Clutch/Brake Modules

Technical Data

Module Size	Static Torque (Lb-Ft.)	Inertia (Lb-Ft.(2))		Unit Weight (Lbs.)	90 VDC				24 VDC				6 VDC			
					Clutch		Brake		Clutch		Brake		Clutch		Brake	
		Rotor & Hub	Armature & Shaft		Amps	Ohms	Amps	Ohms	Amps	Ohms	Amps	Ohms	Amps	Ohms	Amps	Ohms
DMCCB-50	22	.022	.017	11.8	.207	434	.196	460	.797	30.1	.800	30	3.23	.186	3.05	1.97
DMCCO-50		.022	.010	9.9	.207	434	---	---	.797	30.1	---	---	3.23	---	---	---
DMCBO-50		---	.009	6.1	---	---	.196	460	---	---	.800	30	---	---	3.05	1.97
DMCBX-50		---	.009	6.1	---	---	.196	460	---	---	.800	30	---	---	3.05	1.97
DMSCB-50		.023	.017	16.2	.207	434	.196	460	.797	30.1	.800	30	3.23	.186	3.05	1.97
DMSCO-50		.023	.010	14.3	.207	434	---	---	.797	30.1	---	---	3.23	.186	---	---
DMCCB-100	34	.050	.049	11.9	.208	432	.189	476	.805	29.8	.743	32.3	3.23	.186	2.91	2.06
DMCCO-100		.050	.027	10	.208	432	---	---	.805	29.8	---	---	3.23	.186	---	---
DMCBO-100		---	.026	6.2	---	---	.189	476	---	---	.743	32.3	---	---	2.91	2.06
DMCBX-100		---	.026	6.2	---	---	.189	476	---	---	.743	32.3	---	---	2.91	2.06
DMCCB-180	34	.051	.050	15.9	.208	432	.189	476	.805	29.8	.743	32.3	3.23	.186	2.91	2.06
DMCCO-180		.051	.028	12.5	.208	432	---	---	.805	29.8	---	---	3.23	.186	---	---
DMCBO-180		---	.027	7.2	---	---	.189	476	---	---	.743	32.3	---	---	2.91	2.06
DMCBX-180		---	.027	7.2	---	---	.189	476	---	---	.743	32.3	---	---	2.91	2.06
DMSCB-180		.049	.050	19.6	.208	432	.189	476	.805	29.8	.743	32.3	3.23	.186	2.91	2.06
DMSCO-180		.049	.028	16.2	.208	432	---	---	.805	29.8	---	---	3.23	.186	---	---
DMCCB-210	100	.233	.196	44.2	.390	231	.360	250	1.61	14.9	1.480	16.2	6.67	.900	6.59	0.91
DMCCO-210		.233	.113	38.2	.390	231	---	---	1.61	14.9	---	16.2	6.67	.900	---	---
DMCBO-210		---	.100	28	---	---	.360	250	---	---	1.480	---	---	---	6.59	0.91
DMCBX-210		---	.100	28	---	---	.360	250	---	---	1.480	---	---	---	6.59	0.91
DMSCB-210		.240	.190	59.5	.390	231	.360	250	1.61	14.9	1.480	16.2	6.67	.900	6.59	0.91
DMSCO-210		.240	.190	53.5	.390	231	---	---	1.61	14.9	---	16.2	6.67	.900	---	---
DMCCB-256	100	.230	.200	44.4	.390	231	.360	250	1.61	14.9	1.480	16.2	6.67	.900	6.59	0.91
DMCCO-256		.230	.110	38.4	.390	231	---	---	1.61	14.9	---	---	6.67	.900	---	---
DMCBO-256		---	.110	28.2	---	---	.360	250	---	---	1.480	16.2	---	---	6.59	0.91
DMCBX-256		---	.110	28.2	---	---	.360	250	---	---	1.480	16.2	---	---	6.59	0.91

Consult DODGE for other voltages

Shaft Mounted Clutches & Brakes

IEC Series Shaft Mounted Clutches

Unit Size	Static Torque (Lb-Ft.)	Max RPM	Inertia (Lb-Ft.2)		90 VDC		24 VDC		6 VDC		Wt.(Lbs.)
			Rotor & Sleeve	Armature & Sleeve	Amps	Ohms	Amps	Ohms	Amps	Ohms	
IEC-375	22	5000	0.022	0.01	0.207	434	0.797	30.1	3.23	1.86	5.5
IEC-475	34	4500	0.052	0.027	0.208	432	0.805	29.8	3.23	1.86	9
IEC-650	100	3600	0.214	0.107	0.39	231	1.61	14.9	6.67	0.9	19.5
IEC-825	175	3600	0.417	0.268	0.405	222	1.66	14.5	5.41	1.11	29

Consult DODGE for other voltages.

IEB Series Shaft Mounted Brakes/IPB Series Flange Mounted Brakes

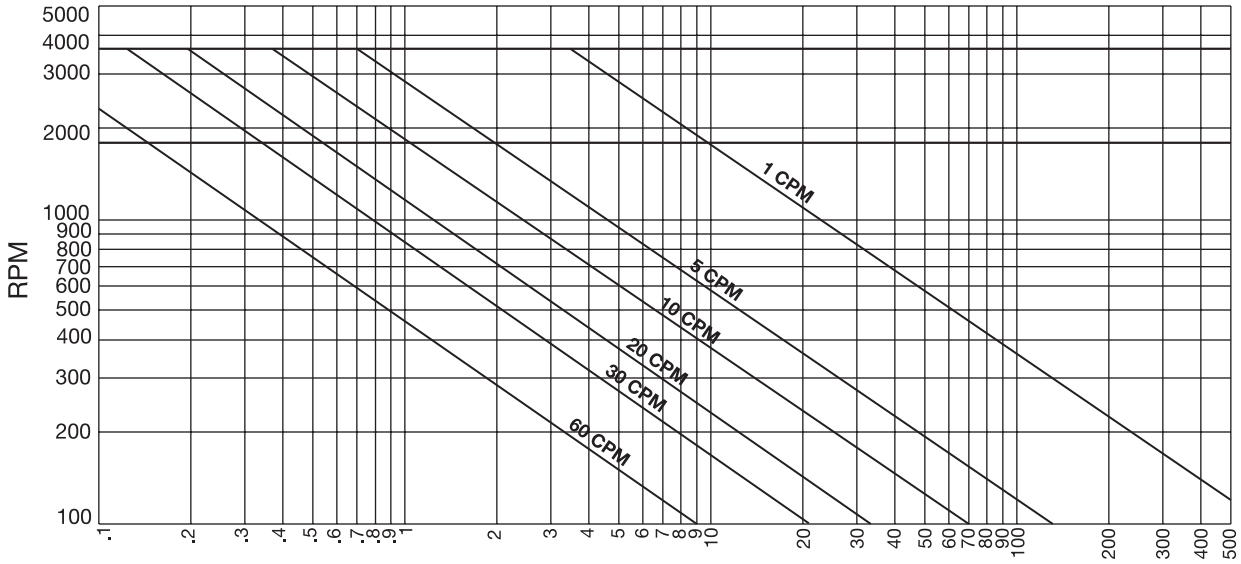
Unit Size	Static Torque (Lb-Ft.)	Max Speed RPM	Inertia (Lb-Ft2) Armature & Hub	90 VDC		24 VDC		6 VDC		Brake Wt. (Lbs.)	Bore Range (In.)	DODGE TAPER LOCK Bushing
				Amps	Ohms	Amps	Ohms	Amps	Ohms			
IEB/IPB-375	22	5000	.010	.196	460	.800	30.00	3.05	1.97	4	1/2" & 5/8"	N/A
IEB/IPB-475	34	4500	.029	.189	476	.743	32.30	2.91	2.06	6	1/2" to 1"	1008
IEB/IPB-650	100	3600	0.11	.360	250	1.48	16.20	6.59	0.91	11	1/2" to 1-7/16"	1310
IEB-825	175	3600	0.33	.405	222	1.66	14.50	5.41	1.11	19	1/2" to 1-11/16"	1615

Consult DODGE for other voltages.

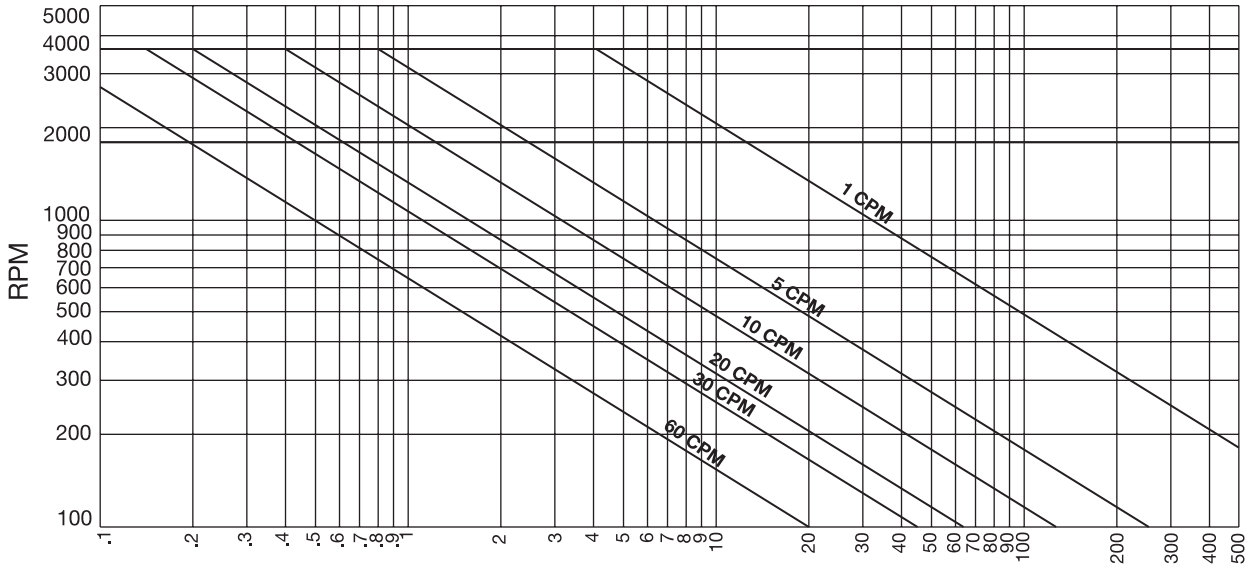
* See page CB-53 (1-1R)

Clutch/Brake Modules
ALLOWABLE CYCLE RATES

DMCCB-50



DMCCB-100

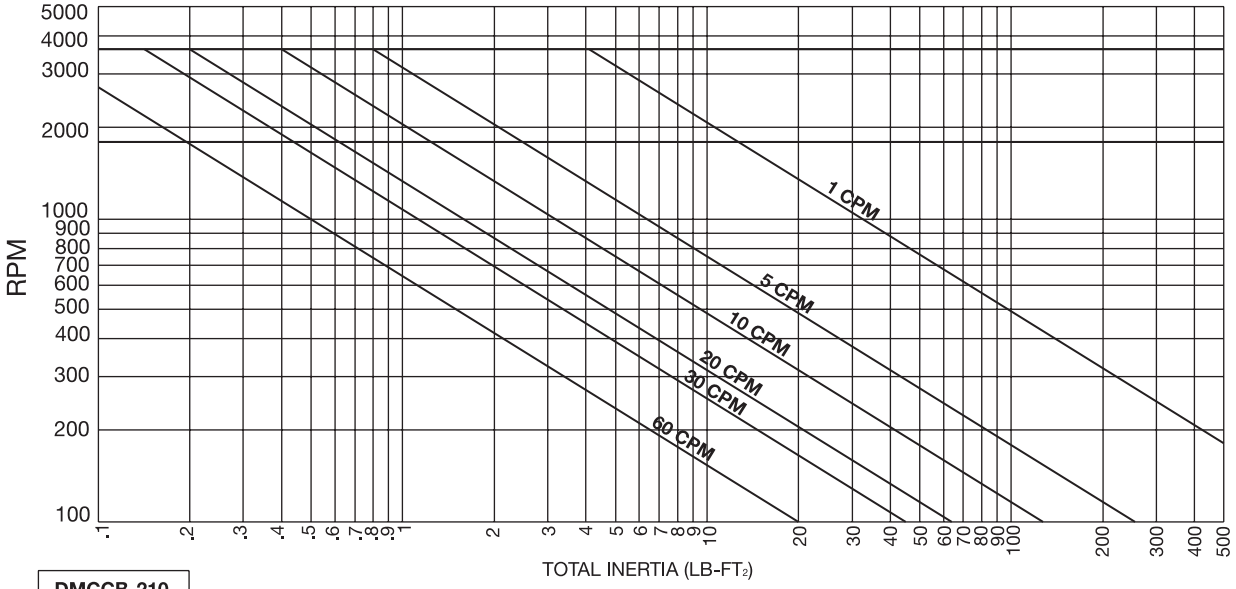


NOTES:
1. Consult DODGE for cycle rates that exceed chart.
2. Max. coil temperature 250°F
3. Motor fan cooled
4. 100% current

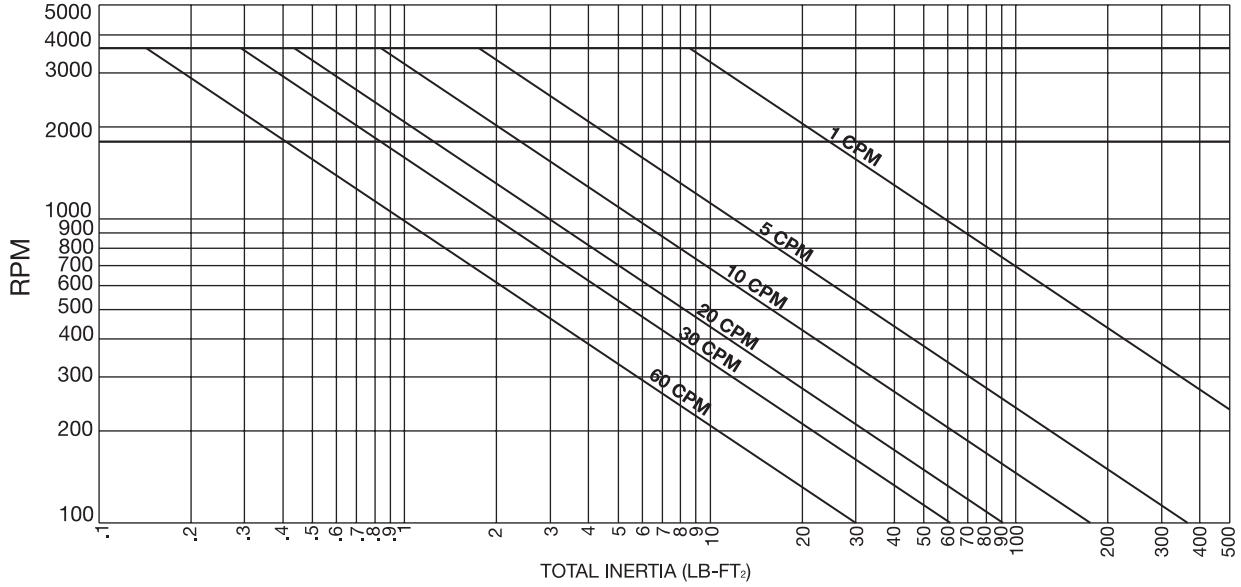
ENGINEERING/ TECHNICAL

Clutch/Brake Modules
ALLOWABLE CYCLE RATES

DMCCB-180



DMCCB-210

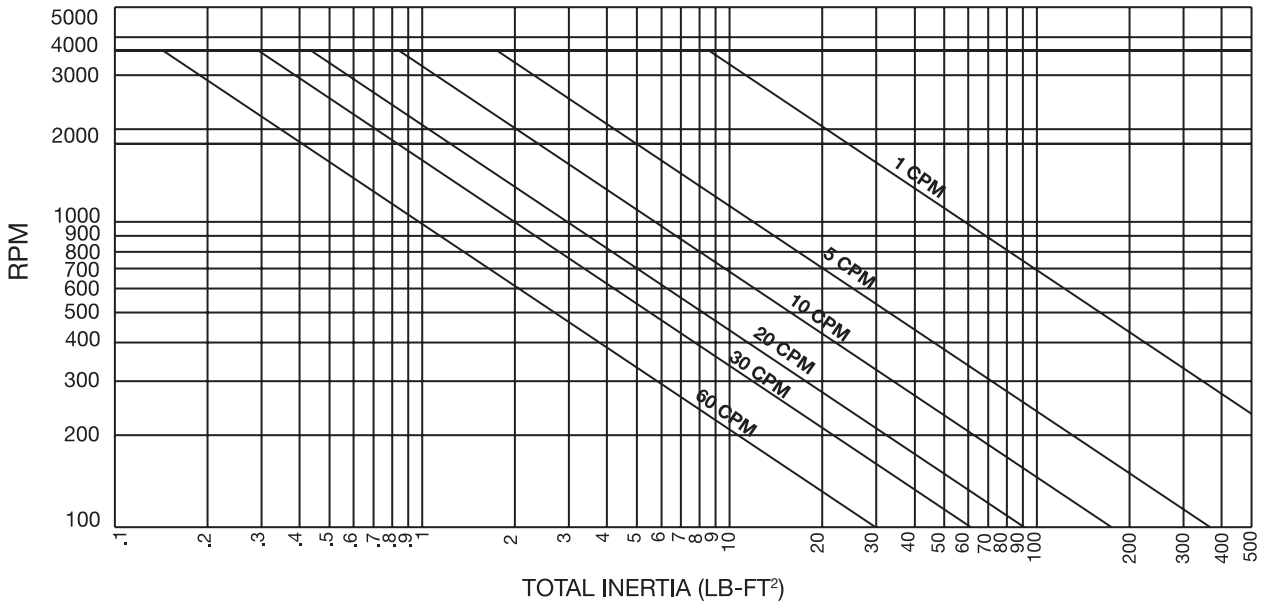


NOTES:
1. Consult DODGE for cycle rates that exceed chart.
2. Max. coil temperature 250°F
3. Motor fan cooled
4. 100% current

DODGE

Clutch/Brake Modules
ALLOWABLE CYCLE RATES

DMCCB-256

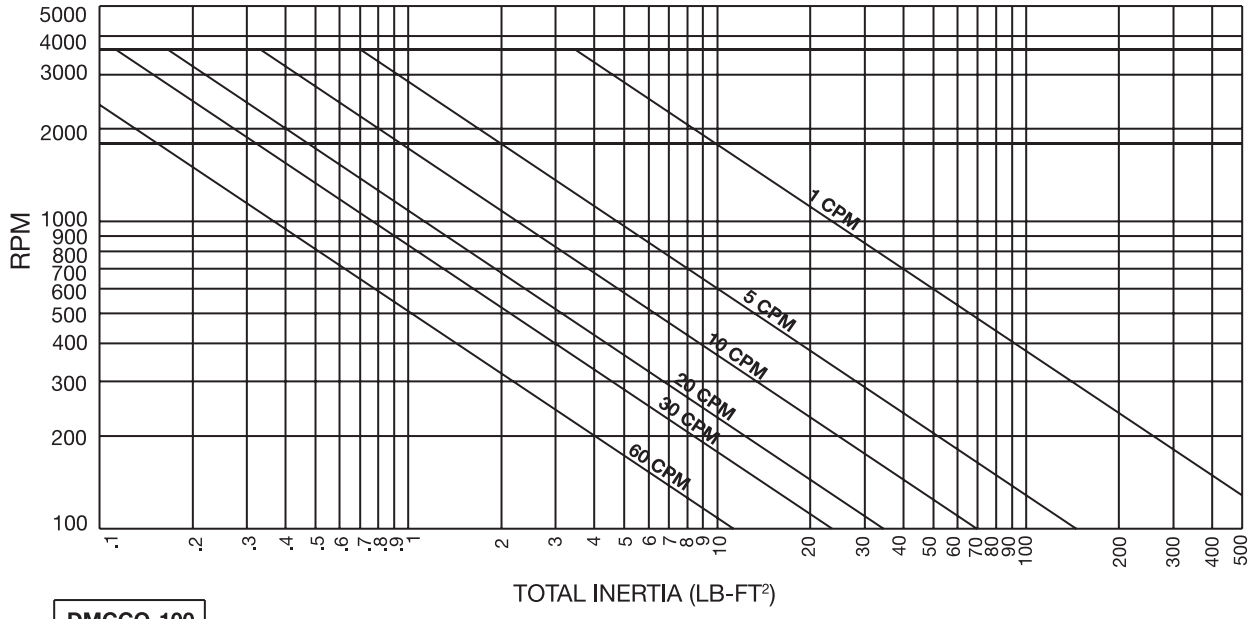


NOTES:
1. Consult DODGE for cycle rates that exceed chart.
2. Max. coil temperature 250°F
3. Motor fan cooled
4. 100% current

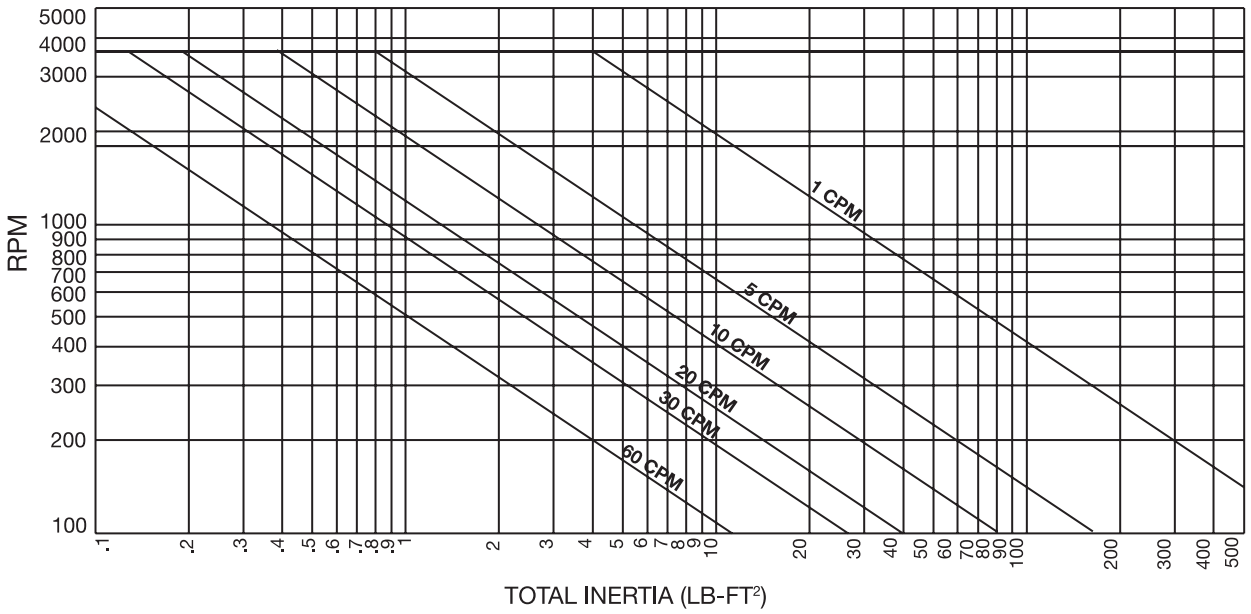
ENGINEERING/ TECHNICAL

Clutch/Brake Modules
ALLOWABLE CYCLE RATES

DMCCO-50



DMCCO-100

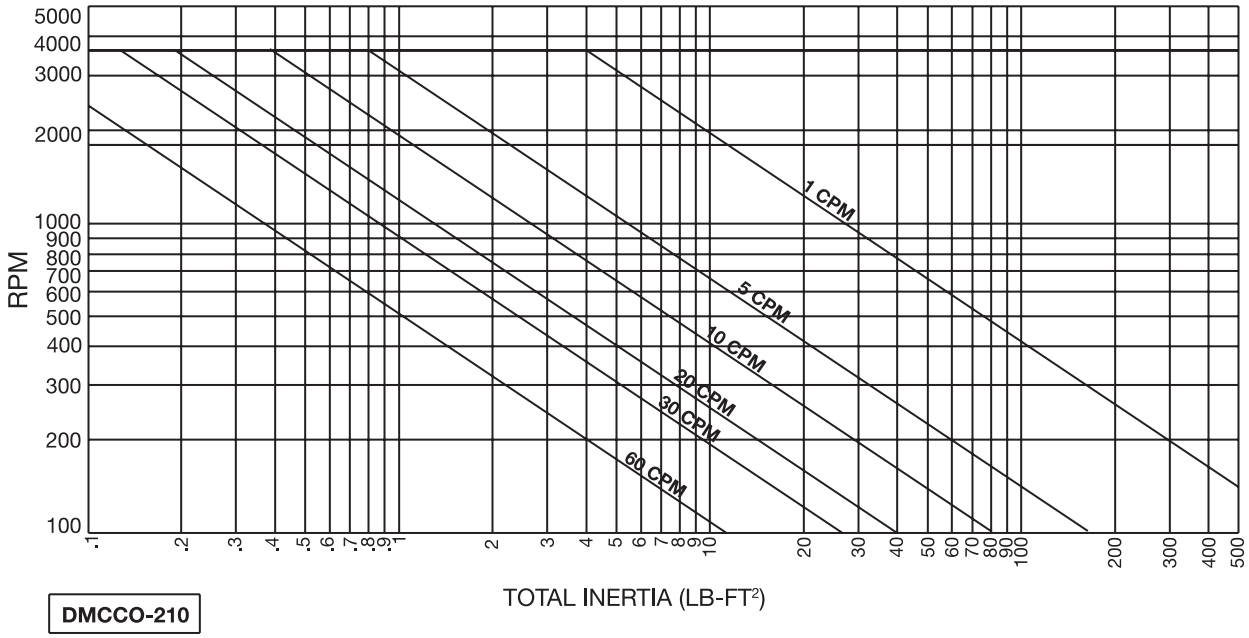


NOTES:
1. Consult DODGE for cycle rates that exceed chart.
2. Max. coil temperature 250°F
3. Motor fan cooled
4. 100% current

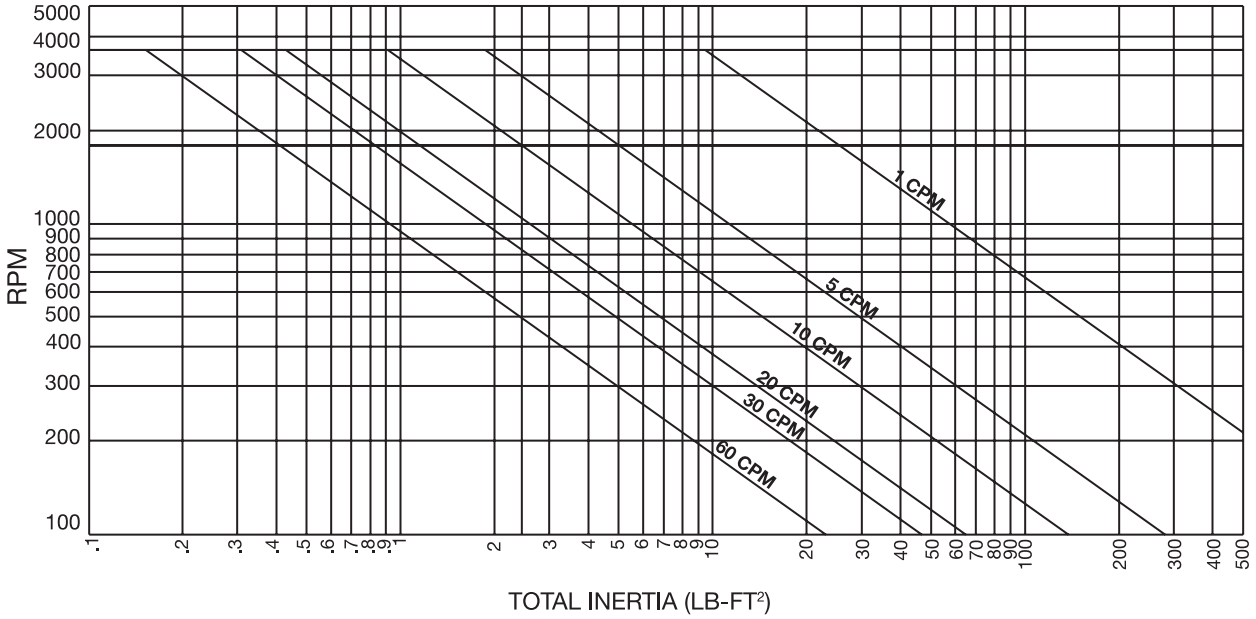
DODGE

Clutch/Brake Modules
ALLOWABLE CYCLE RATES

DMCCO-180



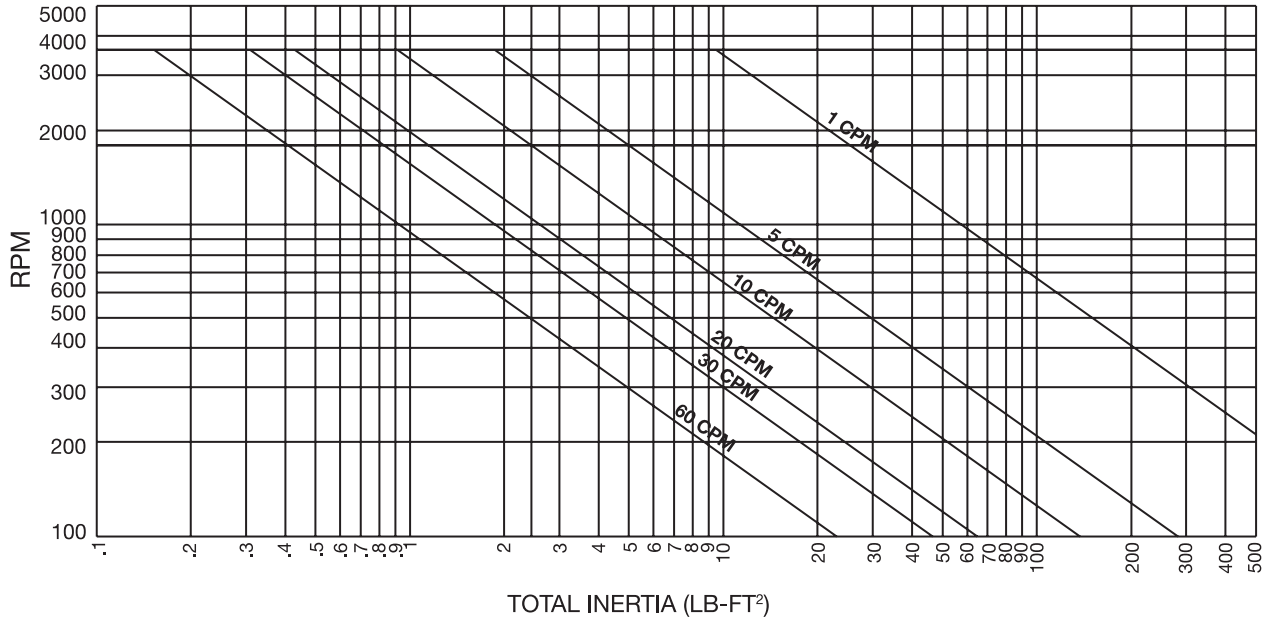
DMCCO-210



NOTES:
1. Consult DODGE for cycle rates that exceed chart.
2. Max. coil temperature 250°F
3. Motor fan cooled
4. 100% current

Clutch/Brake Modules
ALLOWABLE CYCLE RATES

DMCCO-256

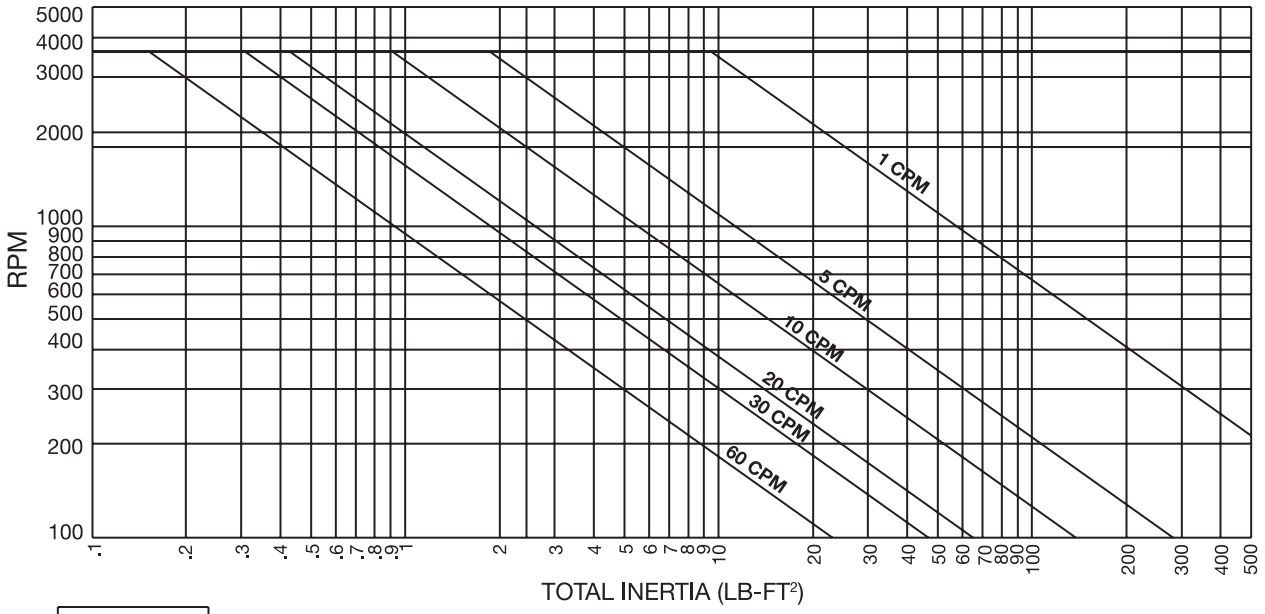


NOTES:
1. Consult DODGE for cycle rates that exceed chart.
2. Max. coil temperature 250°F
3. Motor fan cooled
4. 100% current

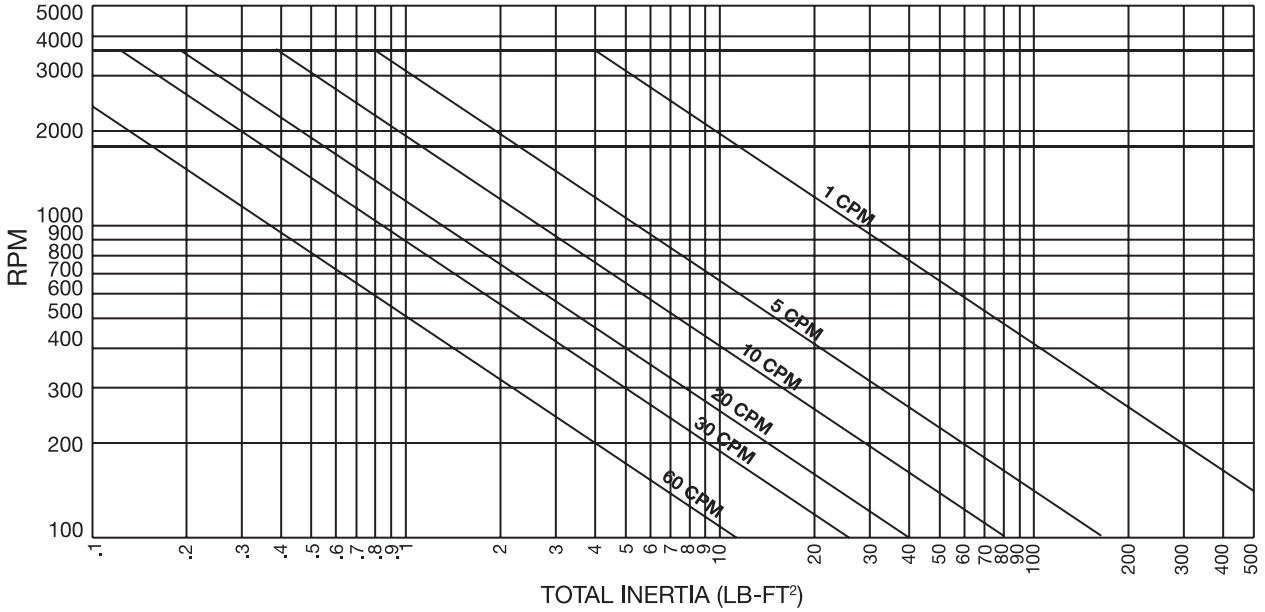
DODGE

Clutch/Brake Modules
ALLOWABLE CYCLE RATES

DMCBO-50



DMCBO-100

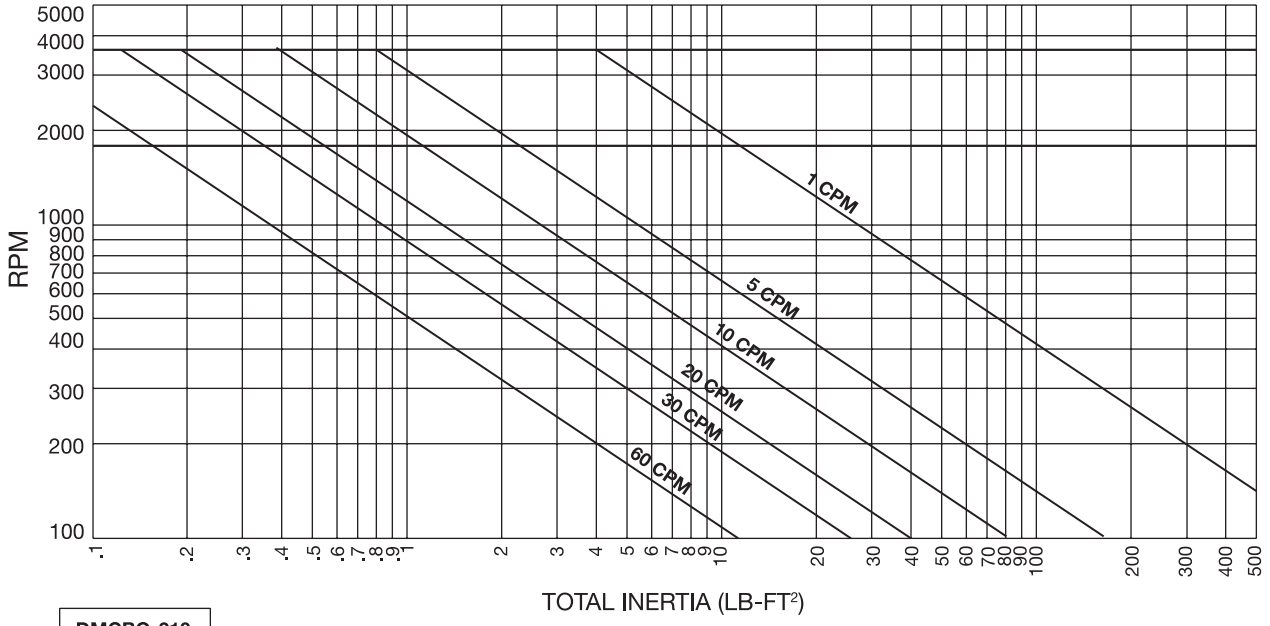


NOTES:
1. Consult DODGE for cycle rates that exceed chart.
2. Max. coil temperature 250°F
3. Motor fan cooled
4. 100% current

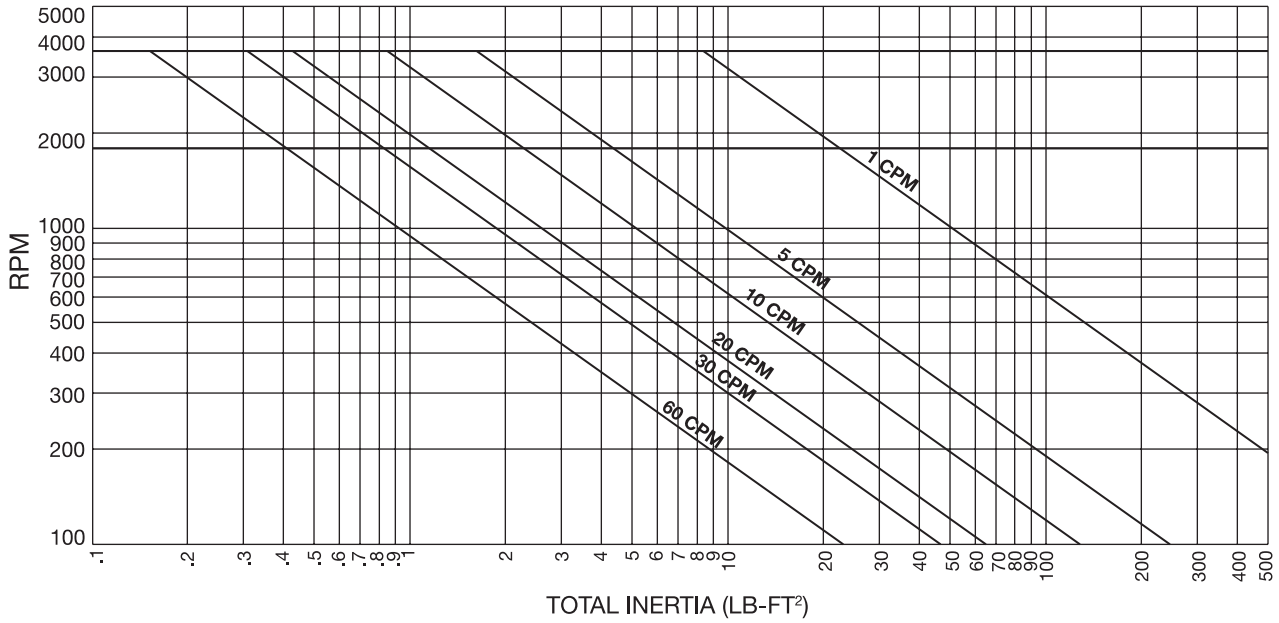
ENGINEERING/ TECHNICAL

Clutch/Brake Modules
ALLOWABLE CYCLE RATES

DMCBO-180



DMCBO-210

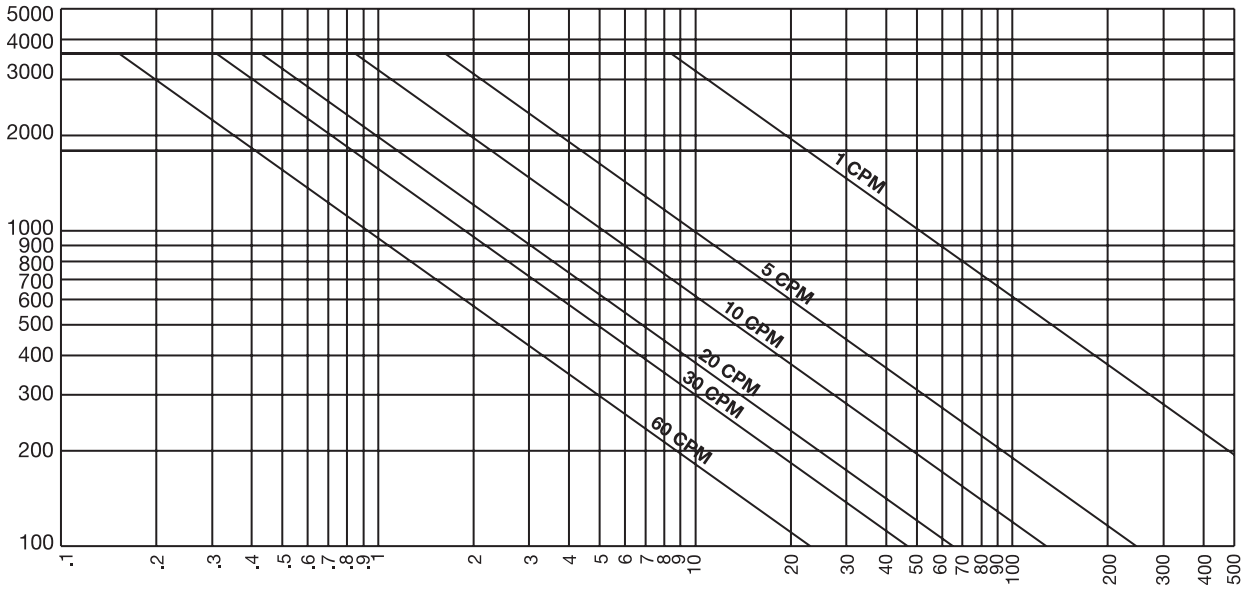


NOTES:
1. Consult DODGE for cycle rates that exceed chart.
2. Max. coil temperature 250°F
3. Motor fan cooled
4. 100% current

DODGE

Clutch/Brake Modules
ALLOWABLE CYCLE RATES

DMCBO-256



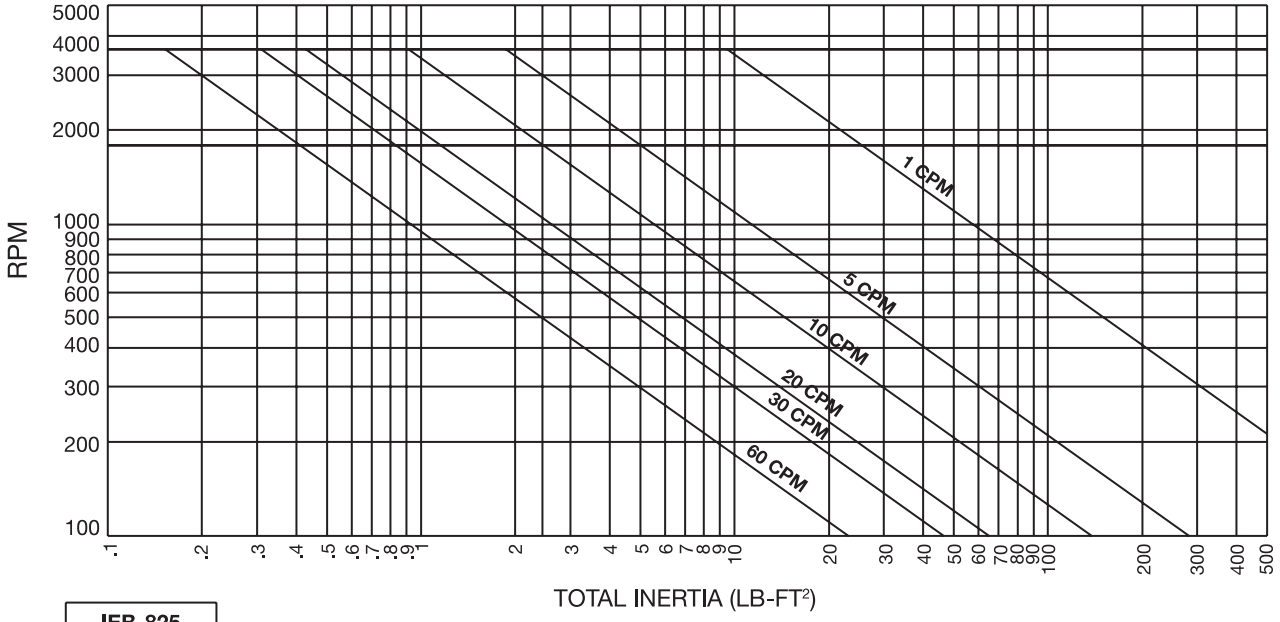
TOTAL INERTIA (LB-FT^2)

NOTES:
1. Consult DODGE for cycle rates that exceed chart.
2. Max. coil temperature 250°F
3. Motor fan cooled
4. 100% current

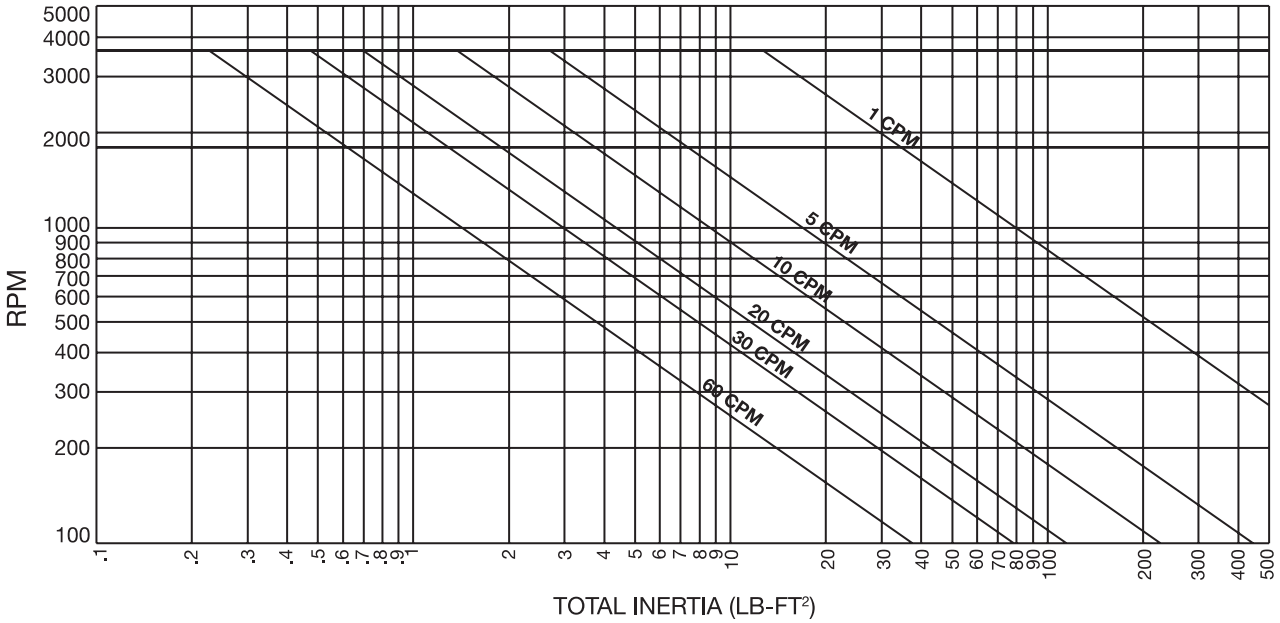
ENGINEERING/ TECHNICAL

Clutch/Brake Modules
ALLOWABLE CYCLE RATES

IEC-825



IEB-825



NOTES:
1. Consult DODGE for cycle rates that exceed chart.
2. Max. coil temperature 250°F
3. Motor fan cooled
4. 100% current

CLUTCHES

SL Series Technical Data

Unit Size	Static Torque Lb-In.	Inertia Lb.-In.²		Wgt. Oz.	90 v DC		24 v DC	
		Rotor	Arm & Hub		Amps	Ohms	Amps	Ohms
SL-08	2.5	.002	.0015	2	.046	1977	.117	205
SL-11	6	.0058	.0029	3.2	.047	1930	.198	121
SL-15	10	.060	.0031	3.8	.042	2150	.183	132
SL-17	15	.061	.036	11	.066	1369	.289	83
SL-19	25	.082	.047	12	.074	1213	.294	81.6
SL-22	50	.215	.079	20	.079	1140	.322	74.6
SL-26	80	.362	.292	28	.088	1024	.358	67.1
SL-30	125	.610	.561	50	.091	988	.378	65.3
SL-42	250	2.50	2.30	85	.124	722	.468	51.2

BSL Series Technical Data

Unit Size	Static Torque Lb-In.	Inertia Lb.-In.²		Wgt. Oz.	90 v DC		24 v DC	
		Rotor	Arm & Hub		Amps	Ohms	Amps	Ohms
BSL-26	80	.29	.53	38	.088	1024	.358	67.1
BSL-42	250	2.25	4.99	94	.124	722	.468	51.2

SO Series Technical Data

Unit Size	Static Torque Lb-In.	Inertia Lb.-In.²		Wgt. Oz.	90 v DC		24 v DC	
		Rotor	Arm & Hub		Amps	Ohms	Amps	Ohms
SO-08	2.5	.002	.0011	2	.046	1977	.117	205
SO-11	6	.0058	.0024	3.2	.047	1930	.198	121
SO-15	10	.06	.026	3.8	.042	2150	.183	132
SO-17	15	.061	.031	11	.066	1369	.289	83
SO-19	25	.082	.042	12	.074	1213	.294	81.3
SO-22	50	.215	.070	20	.079	1140	.322	74.6
SO-26	80	.362	.320	28	.088	1024	.358	67.1
SO-30	125	.61	.561	45	.091	988	.378	65.3
SO-42	250	2.50	2.30	80	.124	722	.468	51.2

ENGINEERING/ TECHNICAL

DODGE

Fractional HP

BRAKES

FB Series Technical Data

Unit Size	Static Torque Lb-In.	Inertia Lb.-In.²	Wgt. Oz.	90 v DC		24 v DC	
		Arm & Hub		Amps	Ohms	Amps	Ohms
FB-08	2.5	.0011	2	.046	1977	.117	205
FB-11	6	.0024	3.2	.047	1930	.198	121
FB-15	10	.026	3.8	.042	2150	.183	132
FB-17	15	.031	11	.066	1369	.289	83
FB-19	25	.042	12	.074	1213	.294	81.6
FB-22	50	.070	20	.079	1140	.322	74.6
FB-26	10	.320	26	.088	1024	.358	67.1
FB-30	125	.561	35	.091	988	.378	65.3
FB-42	250	2.30	60	.124	722	.468	51.2

FSB Series Technical Data

Unit Size	Static Torque Lb-In.	Inertia Lb.-In.²	Wgt. Oz.	90 v DC		24 v DC		120 v AC	
		Arm & Hub		Amps	Ohms	Amps	Ohms	Amps	Ohms
FSB-001	1	.0004	2	.051	1880	.220	117	.041	N.A.
FSB-002	3	.0017	3	.064	2177	.190	132	.050	N.A.
FSB-007	7	.0133	15	.059	1520	.247	97.3	.045	N.A.
FSB-015	15	.0133	16	.098	922	.369	65.1	.077	N.A.
FSB-035	35	.084	33	.093	964	.394	61	.073	N.A.
FSB-050	50	.084	36	.194	465	.717	35.5	.140	N.A.
FSB-100	100	.205	64	.180	501	.707	34	.142	N.A.

FSBR Series Technical Data

UNIT SIZE	Static Torque Lb-In.	Inertia Lb.-In.²	Wgt Oz.	90 v DC		24 v DC		120 v AC	
		Arm & Hub		Amps	Ohms	Amps	Ohms	Amps	Ohms
FSB-001	7	.0133	11	.059	1520	.247	97.3	.045	N.A.
FSB-002	15	.0133	12	.098	922	.369	65.1	.077	N.A.
FSB-007	35	.084	24	.093	964	.394	61	.073	N.A.
FSB-015	50	.084	27	.194	465	.717	35.5	.140	N.A.
FSB-035	100	.205	56	.180	501	.707	34	.142	N.A.

Consult DODGE for other voltages.

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FEATURES/BENEFITS

FLEXIDYNE

- **Smoother, Faster Acceleration**
  - Smaller motors may be used
  - Motor starts under no load conditions
  - Smoother starts
  - Starting torque can be easily customized
- **More Efficient Design**
  - Permits use of standard NEMA Design B motors
  - High torque or high slip motors not needed
  - Reduced voltage starters not needed
  - Wound rotor motors not needed
- **More Efficient Running**
  - No slip at running speed means no wear, no heat, no power loss
- **Overload Protection**
  - Provides overload protection at overloads somewhat greater than starting torque
  - Protection devices to prevent damage to FLEXIDYNE are available
- **Low Current Draw**
  - Less than twice the nameplate amperage during both starting and overload periods
  - Many electric utilities recommend FLEXIDYNE
- **Increased Productivity**
  - Eliminates product spillage and machine damage due to harsh starts or jammed loads

FLEXIDYNE

SPECIFICATION

FLEXIDYNE is available in three designs: Drives, Couplings, and C-Flex Modules to meet most system needs. The Drive style is designed to mount directly on the motor shaft to provide an extremely compact unit for belted service. The Coupling style provides a versatile solution for transmitting torque between in-line shafts. The C-Flex Module style provides all of the benefits of regular FLEXIDYNE in a compact package that readily mounts between C-Face motors and reducers.

HOW TO ORDER

DRIVE STYLE

Specify mechanism size and bore size. Select a sheave from the selection tables found in the Modifications/Accessories section. Refer to the part number when ordering.

COUPLING STYLE

On size 5C - specify bore size. A complete coupling consists of (1) output hub and (1) mechanism.

On larger sizes - specify coupling size, and bore size. A complete coupling consists of (1) mechanism, including flexible disc, (1) Poly-Disc flange, and (2) bushings.

Type PH Couplings - specify coupling size, bore size of the driven end and the motor end. A complete coupling consists of (1) mechanism, (1) Taper-Lock or Bored-To-Size flange assembly, and (1) element.

Refer to the part numbers when ordering.

C-FLEX MODULE STYLE

Specify the C-Flex unit size and the FLEXIDYNE mechanism. Refer to the part numbers when ordering.

FLOW CHARGE

Determine the amount of flow charge to be ordered by referring to the Flow Charge tables in the Modifications/Accessories section. Choose between cast steel and stainless. Refer to the part number when ordering.

NOMENCLATURE

55 D x 3/8”

SIZE

STYLE

D - Drive
C - Coupling
CF - C-Flex

BORE SIZE

SELECTION

FLEXIDYNE

SIMPLIFIED SELECTION PROCEDURE

The tables on pages PT3-6 -PT3-7 give FLEXIDYNE mechanism size and amount of flow charge to provide starting capacities from 100-200% of motor nameplate HP of a NEMA Design B squirrel cage induction motor. This starting capacity is satisfactory for most ordinary industrial applications.

The FLEXIDYNE unit sizes shown in the simplified selection tables suggest the most economical FLEXIDYNE mechanism for a given RPM and HP. In some cases, under the same conditions, there may be other sizes of FLEXIDYNE which may be utilized.

STEP 1
Determine the approximate starting torque percentage for the application. As a guide, suggested percentages are listed in the table below.

STEP 2
Determine motor speed and HP to be used. Refer to tables on pages PT3-6 -PT3-7 based on 1760, 1175, or 875 RPM NEMA Design B motors.

STEP 3
Check maximum bore from Selection/Dimensions pages.

FLEXIDYNE Mechanism Starting Torque

Application	Range	Application	Range	Application	Range
Air Conditioning	130-175%	Cranes (Bridge Draw)	150-200%	Mixers	130-150%
Agitators	130-175%	Crushers	150-200%	Oven Drivers	150-175%
Belt Conveyors	130-150%	Dryers	130-175%	Paper Mills	
Blenders	130-175%	Fans	150-175%	Agitator	130-175%
Blowers	150-175%	Lumber Chippers	150-200%	Hydropulper	130-175%
Bucket Elevators	130-175%	Sawdust Conv.	130-175%		150-200%
Can Filling Machine	125-150%	Matl. Handling Equip.	130-150%	Drier	130-150%
Compressors	150-175%	Mills (Ball, Pebble)	150-175%	Pumps	125-150%

NOTE: Since FLEXIDYNE Drives and Couplings are selected primarily as torque limiting devices by using the starting torque percentages shown above, the use of a service factor is not necessary.

FLEXIDYNE
OTHER APPLICATIONS

The information on the previous page provides a simple method of selecting the FLEXIDYNE mechanism size when used with NEMA Design B motors under general operating conditions. Selection for any other application is based on the specific conditions and requirements of the installation. The power transmitting characteristics of the FLEXIDYNE unit vary with input speed and amount of flow charge used. A FLEXIDYNE unit can be adapted to the specific conditions and requirements of the individual application by using the proper amount of flow charge.

FLEXIDYNE units are not recommended for variable speed applications, engines or speeds below 700 RPM.

DODGE engineers welcome inquiries on FLEXIDYNE mechanism selection for applications not previously covered. It is suggested that their experience be called upon to recommend the best installation. To contact Dodge engineering please call 864-284-5700.

Please provide the following information with your request:

- Type, HP, RPM, shaft size of motor
- Type, RPM, shaft size of driven machine
- Frequency of starts, reversals, and overloads
- Time required to accelerate
- For high inertia loads, WR^2
- Starting HP and Overload Breakaway HP desired
- Functions the FLEXIDYNE unit must perform

SELECTION

FLEXIDYNE

SELECTION OF FLEXIDYNE MECHANISM SIZE
(BASED ON % OF STARTING TORQUE FOR NEMA DESIGN B MOTORS)

1760 RPM

Rated Motor HP	FLEXI-DYNE Mech Size	100% @ 1760 rpm			125% @ 1750 RPM			150% @ 1740 RPM			175% @ 1700 RPM			200% @ 1650 RPM		
		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge	
			Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.
1/2	5D, 5C	.5	0	8	.62	0	9	.75	0	9.5	.85	0	10	.94	0	10.5
3/4	5D, 5C	.75	0	9	.94	0	10.5	1.1	0	11	1.3	0	11.5	1.4	✻	✻
1	55D, 55C	1.0	0	9	1.2	0	10	1.5	0	11	1.7	0	12	1.9	0	13
1-1/2	55D, 55C	1.5	0	10	1.9	0	12	2.2	0	13.5	2.5	0	14	2.8	0	16
2	55D, 55C	2.0	0	12	2.5	0	13.5	3.0	0	15	3.4	0	17	3.8	0	18
3	70D, 70C	3.0	1	11	3.7	1	13	4.5	1	14	5.1	2	0	5.7	2	2
5	70D, 70C	5.0	1	14	6.2	2	1	7.5	2	4	8.5	2	8	9.4	2	10
7-1/2	75D, 75	7.5	1	11	9.4	1	14	11.2	2	1	12.7	2	4	14.1	2	9
10	75D, 75C	10	1	15	12.5	2	3	14.9	2	6	17.0	2	9	18.8	2	12
15	9D, 9C	15	2	9	18.8	3	0	22.3	3	7	25.5	3	13	28.3	4	2
20	9D, 9C	20	3	2	25	3	10	30	4	0	34	4	8	38	5	3
25	11D, 11C	25	4	3	31	4	12	37	5	0	42	5	8	47	6	2
30	11D, 11C	30	4	10	37	5	0	45	5	12	51	6	3	57	6	12
40	11D, 11C	40	5	5	50	6	0	60	6	8	68	7	3	75	8	0
50	11D, 11C	50	5	13	62	6	10	74	7	6	85	8	2	94	8	11
60	15D, 15116	60	7	3	75	8	3	89	9	1	102	10	1	113	10	14
75	15D, 15116	75	8	3	94	9	3	111	10	3	127	11	0	141	12	0
100	15D, 15116	100	9	7	125	10	10	149	11	9	170	12	8	188	13	5
125	D15131 ▲	125	7	3	156	8	6	186	9	4	212	10	4	236	11	1
150	D15131 ▲	150	8	3	187	9	3	224	10	3	255	11	1	283	12	1

1175 RPM

Rated Motor HP	FLEXI-DYNE Mech Size	100% @ 1175 rpm			125% @ 1160 RPM			150% @ 1150 RPM			175% @ 1130 RPM			200% @ 1100 RPM		
		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge	
			Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.
1/4	5D, 5C	.25	0	8.5	..	..	..	.46	0	10.5	..	..	..	..	..	..
1/2	55D, 55C	.5	0	11	.62	0	15	.75	0	13	.85	0	15	.94	0	16
3/4	55D, 55C	.75	0	12	.94	0	15	1.1	0	16	1.3	0	17	1.4	0	18
1	70D, 70C	1.0	1	10	1.2	1	12	1.5	1	14	1.7	2	1	1.9	2	4
1-1/2	70D, 70C	1.5	1	13	1.9	2	1	2.2	2	3	2.5	2	6	2.8	2	9
2	75D, 75C	2.0	1	10	2.5	1	13	3.0	2	0	3.4	2	2	3.8	2	6
3	75D, 75C	3.0	1	15	3.7	2	3	4.5	2	7	5.1	2	10	5.7	2	12
5	9D, 9C	5.0	2	4	6.2	2	11	7.4	3	1	8.5	3	8	9.4	3	12
7-1/2	9D, 9C	7.5	3	0	9.3	3	9	11.1	3	14	12.7	4	4	14.1	4	12
10	11D, 11C	10	5	0	12.4	5	5	14.8	5	10	17	6	3	19	7	0
15	11D, 11C	15	5	14	18	6	5	22	7	0	25	7	14	28	9	0
20	11D, 11C	20	6	8	25	7	14	30	8	4	34	8	13	38	9	10
25	15D, 15116	25	8	8	31	9	13	37	10	12	42	11	13	47	12	10
30	15D, 15116	30	9	7	37	10	10	44	11	11	51	12	9	57	13	8
40	15D, 15116	40	10	14	50	12	14	59	13	0	68	14	0	75	15	3
50	15D	50	12	0	62	13	1	74	14	2	85	15	8	..	..	..
	D15116 ▲	50	8	8	62	9	13	74	10	12	85	11	8	94	12	0
	18D	...	..	..	...	..	..	...	..	..	...	..	..	94	15	11
60	15D	60	12	11	75	14	1	89	15	6	...	..	..	...	..	..
	D15116 ▲	60	9	7	75	10	10	89	11	11	102	12	9	113	13	8
	18D	...	..	..	...	..	..	...	..	..	102	17	4	113	19	6
75	15D	75	13	14	93	15	8	...	..	..	...	..	..	...	..	..
	D15116 ▲	75	10	9	93	11	13	111	12	11	127	13	10	141	14	12
	18D	...	..	..	...	..	..	111	17	10	127	19	10	141	21	14
100	18D, 18172	100	15	12	124	18	7	148	20	9	170	22	13	189	24	13
125	18D, 18172	125	18	7	155	21	1	185	23	3	212	25	3	236	27	3
150	18D, 18172	150	20	5	186	22	15	222	25	0	254	27	0	283	29	4
200	D18172 ▲	200	15	12	249	18	10	285	20	5	340	22	13	377	24	13
250	D18172 ▲	250	18	9	312	21	0	370	23	2	424	25	3	470	27	0

✻ Use a Size 55 FLEXIDYNE unit. Fill with 11 oz. of Flow Charge for 1.5 Starting HP

▲ Flow charge is listed for one cavity. For duplex (double cavity) units, numbered with prefix "D", the amount listed is would have to be doubled.

FLEXIDYNE

SELECTION OF FLEXIDYNE MECHANISM SIZE (BASED ON % OF STARTING TORQUE FOR NEMA DESIGN B MOTORS)

875 RPM

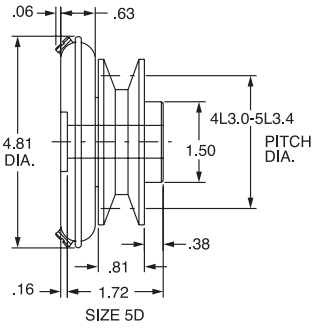
Rated Motor HP	FLEXI-DYNE Mech Size	100% @ 875 rpm			125% @ 870 RPM			150% @ 850 RPM			175% @ 840 RPM			200% @ 820 RPM		
		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge	
			Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.
1/2	70D, 70C	.5	1	12	.62	1	15	.75	2	1	.85	2	4	.94	2	6
3/4	70D, 70C	.75	2	0	.94	2	3	1.1	2	6	1.3	2	8	1.4	2	12
1	75D, 75C	1.0	1	13	1.2	2	0	1.5	2	3	1.7	2	7	1.9	2	8
1-1/2	75D, 75C	1.5	2	2	1.9	2	7	2.2	2	10	2.5	2	11	2.8	2	12
2	9D, 9C	2.0	2	6	2.5	2	12	2.9	3	0	3.4	3	8	3.7	3	12
3	9D, 9C	3.0	3	0	3.7	3	8	4.4	4	0	5.0	4	6	5.6	4	14
5	11D, 11C	5.0	5	6	6.2	5	14	7.3	6	10	8.4	7	0	9.4	7	8
7-1/2	11D, 11C	7.5	6	8	9.3	7	2	10.9	8	0	12.6	8	8	14.0	9	5
10	15D, 15116	10	8	6	12.4	9	8	14.6	10	9	16.8	11	7	18.7	12	5
15	15D, 15116	15	10	5	19	11	7	22	12	8	25	13	5	28	14	6
20	15D, 15116	20	11	12	25	12	13	29	13	14	34	15	1	38	15	8
25	D15116	25	9	7	31	10	9	36	11	11	42	12	8	47	13	5
30	D15116	30	10	5	37	11	7	44	12	8	50	13	5	56	14	6
40	18D, 18172	40	15	3	50	18	0	58	20	6	67	22	8	75	24	7
50	18D, 18172	50	17	14	62	20	4	73	22	14	84	24	14	94	26	14
60	18D, 18172	60	19	13	75	22	6	87	24	15	101	26	1	112	28	12
75	D18172 ▲	75	14	8	93	17	2	109	19	11	126	21	13	141	23	12
100	D18172 ▲	100	17	14	124	20	4	146	22	14	168	24	14	187	26	14
125	D18172 ▲	125	20	2	155	22	13	182	25	7	210	27	4	234	29	4

▲ Flow charge is listed for one cavity. For duplex (double cavity) units, numbered with prefix “D”, the amount listed would have to be doubled.

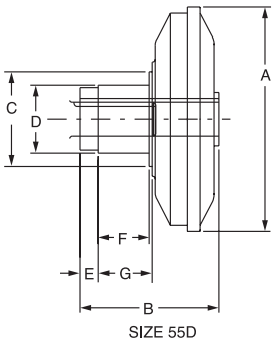
SELECTION/DIMENSIONS

FLEXIDYNE Drives

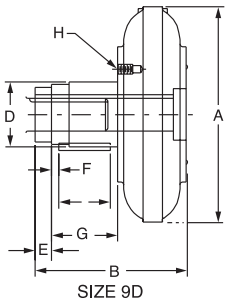
Each FLEXIDYNE, including a container of flow charge, is individually packaged. Cutout features and a cross section drawing are shown in the Modifications/ Accessories section.



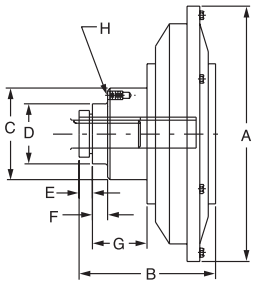
SIZE 5D



SIZE 55D



SIZE 9D



SIZES 70D/75D & 11D THRU 18D

NOTE: Drawings are for dimensional purpose only and do not necessarily represent construction

5D FLEXIDYNE Drive

Nom. Stock Bores ▲	w/Integral Sheave P.D.	Part Number	Wt. Lbs.	Keyseat	Key Req'd.
5/8	4L2.2-5L2.6	**305106**	3.4	3/16 X 3/32 X 1-11/16	3/16 X 3/16 X 1-3/8
	4L3.0-5L3.4	**305101**	2.4		
	4L3.6-5L4.0	**305102**	3.6		
3/4 (Max.)	4L3.0-5L3.4	**305103**	2.7	3/16 X 3/32 X 1-11/16	3/16 X 3/16 X 1-7/8

▲ +.0005" +.0025" over nominal. Bores not listed will be quoted on application.

DODGE

FLEXIDYNE

55D Thru 18D FLEXIDYNE Drive

DRIVE SIZE	MAX. RPM	NOM STOCK BORES ✻	Part Number	Wt Lbs	Keyseat ♥	Key Req'd
55D	3600	5/8	**305015**	3.0	3/16 x 3/32 x 3-1/16	3/16 x 3/16 x 1-3/8
		7/8 (Max)	**305016**	2.8		
70D	3300	7/8	**305021**	9.5	3/16 x 3/32 x 3-5/16	3/16 x 3/16 x 1-3/8
		1-1/8 (Max.)	**305022**	9.7	1/4 x 1/8 x 3-5/16	1/4 x 1/4 x 1-3/4
75D		1	**305085**		1/4 x 1/8 x 4	1/4 x 1/4 x 1-3/4
		1-1/8	**305056**	10.0	1/4 x 1/8 x 4	1/4 x 1/4 x 1-3/4
		1-3/8 (Max.)	**305057**	10.2	5/16 x 3/32 x 4	5/16 x 1/4 x 2-3/8 ◆
9D	2300	1-1/8	**309070**	23.0	1/4 x 1/8 x 6	1/4 x 1/4 x 2
		1-1/4	**309071**	24.0	1/4 x 1/8 x 6	1/4 x 1/4 x 2-3/4
		1-3/8	**309072**	23.5	5/16 x 5/32 x 6	5/16 x 5/16 x 2-3/4
		1-5/8 (Max.)	**309073**	23.0	3/8 x 1/8 x 6	3/8 x 5/16 x 3-3/4
11D	2400	1-3/8	**311070**	45.0	5/16 x 5/32 x 7-5/16	5/16 x 5/16 x 2-3/4
		1-5/8	**311071**	46.0	3/8 x 3/16 x 7-5/16	3/8 x 3/8 x 3-3/4
		1-7/8 (Max.)	**311072**	45.0	1/2 x 1/8 x 7-5/16	1/2 x 3/8 x 5-1/2 ◆
11DL		2-1/8 (Max.)	**311073**	44.0	1/2 x 1/8 x 7-5/16	1/2 x 3/8 x 5-1/2 ◆
15D	1800	1-7/8	**315070**	100.0	1/2 x 1/4 x 10-3/16	1/2 x 1/2 x 5
		2-1/8	**315071**	92.0	1/2 x 1/4 x 10-3/16	1/2 x 1/2 x 5
		2-3/8 (Max.)	**315072**	96.0	5/8 x 1/8 x 10-3/16	5/8 x 7/16 x 5-1/2 ◆
18D	1500	2-7/8	**318060**	154.0	3/4 x 3/8 x 10-3/16	3/4 x 3/4 x 9-3/4
		3-3/8 (Max.)	**318065**	154.0	7/8 x 1/4 x 10-3/16	7/8 x 11/16 x 9-3/4 ◆

Size	A	B	C -.000 +.002	D	E	F	G ✻✻	H No. of Holes	H Thd's
55D	5.38	3.07	2.752	1.69	0.47	1.38	1.41	...	...
70D	8.13	3.56	3.755/3.753	2.81	0.63	0.63	1.03	4	††
75D	8.13	4.25	3.755/3.753	2.81	0.63	0.63	1.72	4	††
9D	9.50	6.75	. . . .	3.00{	0.69	0.56	3.38	4	♠
11D 11DL	11.25	8.28	5.082/5.080	3.610/3.605	0.75	2.50	4.38	4	§
15D	14.50	11.19	6.625/6.623	4.63	1.00	3.25	6.31	6	▲
18D	18.00	14.75	9.189/9.187	6.00	1.13	1.50	9.25	6	♣

Note: To facilitate order processing specify part numbers
Setscrews: One furnished over keyway, one @ 120°

✻ **All sizes:** +.0005" +.0025" over nominal. Bores not listed will be quoted on application

† Key provided

✻✻ Provide 3/32 min. clearance between sheave and FLEXIDYNE drive

◆ Key is furnished for these sizes only

♥ Keyseat begins at left end of FLEXIDYNE drive as viewed in drawings on page PT3-8

♠ 1/4-20x1/2" deep on 3-1/2" Dia. B.C. (1/4x2-1/2" Soc. Hd. Cap Screws w/1-3/8" thd., not furnished).

§ 3/8-16x1-1/8" deep on 4-3/8" Dia. B.C. (3/8x1-3/4" Soc. Hd. Cap Screws w/1-1/4" thd., furnished).

▲ 1/2-13x1-1/4" deep on 5-3/4" Dia. B.C. (1/2x2" Soc. Hd. Cap Screws w/1-1/2" thd., furnished).

♣ 1/2-13x1-5/16" deep on 8-3/16 Dia. B.C. (1/2x2-1/4" Soc. Hd. Cap Screws w/1-1/2" thd., furnished)."

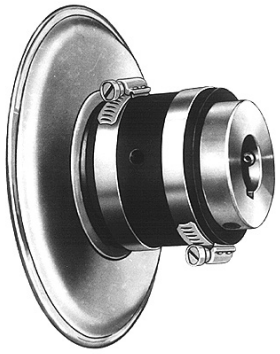
†† 1/4-20x5/8" deep on 3-1/4" Dia. B.C. (1/4x1-1/4" for 70 & 1/4x1-1/4" for 75 furnished).

SELECTION/DIMENSIONS

FLEXIDYNE

5C FLEXIDYNE COUPLING

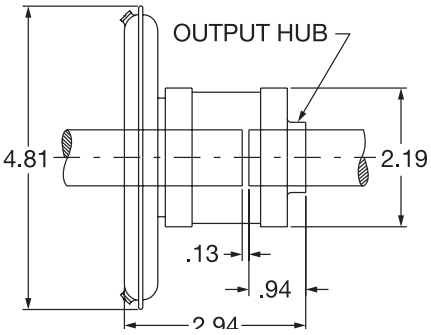
The 5C FLEXIDYNE Coupling uses a formed steel housing and tubular flexible element. See ordering instructions in table below.



5C FLEXIDYNE Couplings

Available Bores	Keyway	Part Numbers	
		MECHANISM for Motor Shaft (Avg. Wt. 2.2 Lbs.)	OUTPUT HUB for Driven Shaft (Avg. Wt. .55 Lbs.)
1/2"	1/8 x 1/16	.....	**305120**
5/8"	3/16 x 3/32	**305115**	**305121**
3/4"	3/16 x 3/32	**305118**	**305122**
7/8"	3/16 x 3/32	**305037**	**305123**

Note: Total coupling consists of (1) output hub and (1) mechanism. Order by description x bore. To facilitate order processing, order these items by part number. Max bore of mechanism = 3/4"; output hub = 1".

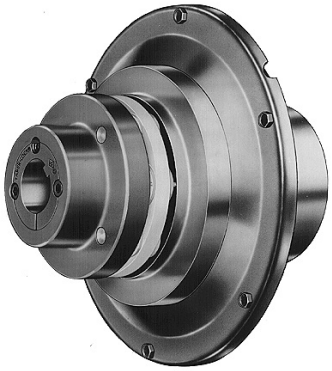


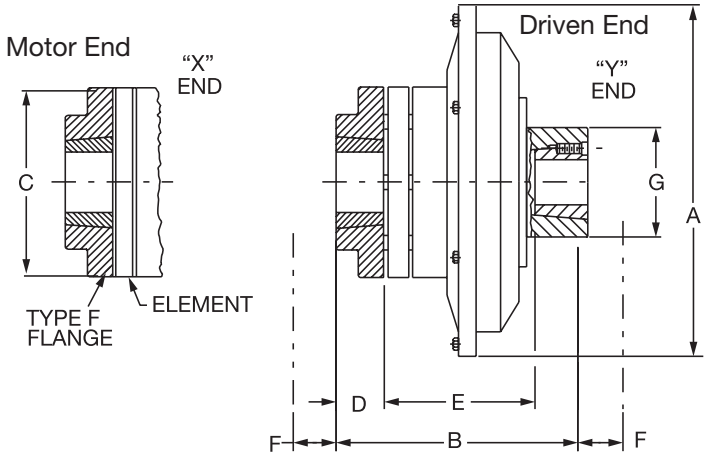
55C thru 11C FLEXIDYNE Couplings

The 55C thru 11C size FLEXIDYNE Coupling uses the same flexible disc used in DODGE POLY-DISC Couplings. The molded polyurethane disc offers longer life and smoother, quieter operation. Disc has excellent physical properties yet remains pliable to cushion shock loads and accommodate misalignment.

H and F Flanges, carried in stock, can be arranged in the position which best suits the application. In H type the bushing installs from the Hub side of the flange; in F type from the Face side.

Sufficient flow charge is furnished with each unit.





FLEXIDYNE

55C Thru 11C FLEXIDYNE Couplings

Cplg. Size	Bore Range of Bushing		Max. RPM	Cplg. Less Bushings	Items required for Complete Coupling †									
					Mechanism (Includes disc)		Poly-Disc Flange w/o Bush.				Bushings			
								TYPE H	TYPE F		Motor End		Driven End	
	Min.	Max.		Wt. Lbs.	Part No.	Wt. Lbs.	Size	Part No.	Part No.	Wt. Lbs.	Bush No.	Avg. Wt. Lbs.	Bush No.	Avg. Wt. Lbs.
55C	1/2	1	1800	5.0	**305019**	4.0	2-5/8	**008057**	**008058**	1.0	1008	.2	1008	.2
70C	✻	✻	1800	15.6	**305025**	13.6	4	**008041**	**008040**	2.0	1215	.7	1610	.7
75C	1/2	1-11/16	1800	18.6	**305058**	14.1	5-1/4	**008043**	**008042**	4.5	1615	1.0	1610	.7
9C	1/2	2-11/16	1800	40.6	**309074**	30.6	7	**008045**	**008044**	10.0	2517	2.8	2517	2.8
11C	1/2	2-11/16	1800	57.2	**311074**	44.2	8	**008047**	**008046**	13.0	2517	2.8	2517	2.8

Cplg Size	Replacement Poly-Disc			A	B	C	D	E ♦	F ▲	G	X End	Y End
	No.	Part Number	Weight Lbs									
55C	2-5/8	**008030**	1	5.38	3.5	2.63	0.88	1.41	0.75	2.25	Driven	Driven
70C	4	**008032**	0.2	8.13	6.06	4	★	3.56	1.06	3.63	Motor	Motor
75C	5-1/4	**008033**	0.5	8.13	6.38	5.25	★	3.889	1.06	3.63		
9C	7	**008034**	0.9	9.5	8.63	7	1.75	5.13	1.63	4.13		
11C	8	**008035**	1.5	11.25	9.63	8	1.75	6.13	1.63	4.88		

Complete coupling consists of (1) Mechanism, including flexible disc, (1) POLY-DISC Flange, and two bushings. TAPER-LOCK bushings sold separately.

† To facilitate order processing specify part numbers. Determine whether H or F Flange is required and order accordingly.

✻ Motor End: 1/2" -1-1/4" (Min./Max.); Driven End: 1/2" - 1-5/8"

◆ Normal dimension. Shaft end float which increases or decreases "E" by slight amounts is permissible.

★ 1" on driven end, 1-1/2" on motor end.

▲ Space required to loosen bushing with shortened hex key using screws as jack screws-no puller required.

Keyways-See tables below for standard keyways and shallow keyways.

Standard Keyways

Bore Range	Keyway
1/2 - 9/16 Incl.	1/8 x 1/16
over 9/16 - 7/8 Incl.	3/16 x 3/32
over 7/8 - 1-1/4 Incl.	1/4 x 1/8
over 1-1/4 - 1-3/8 Incl.	5/16 x 5/32
over 1-3/8 - 1-3/4 Incl.	3/8 x 3/16
over 1-3/4 - 2-1/4 Incl.	1/2 x 1/4
over 2-1/4 - 2-3/4 Incl.	5/8 x 5/16
over 2-3/4 - 3-1/4 Incl.	3/4 x 3/8
over 3-1/4 - 3-3/4 Incl.	7/8 x 7/16
over 3-3/4 - 4-1/2 Incl.	1 x 1/2
over 4-1/2 - 5-1/2 Incl.	1-1/4 x 5/8
over 5-1/2 - 6-1/2 Incl.	1-1/2 x 3/4

Shallow Keyways

Bush No.	Bore Range	
1008	15/16 - 1	**Note:** Key furnished for these exceptions only.
1610 1615	1-9/16 - 11-1/16	
2517	2-5/16 - 2-11/16	**Note:** Key furnished for these exceptions only.

SELECTION/DIMENSIONS

FLEXIDYNE

TYPE PH FLEXIDYNE COUPLINGS

This unique combination of PARA-FLEX coupling and FLEXIDYNE mechanism offers maximum protection for motors and driven machines. The FLEXIDYNE unit allows the motor to accelerate quickly and start the load smoothly while the Para-Flex coupling permits up to 1° angular misalignment, up to 1/16" parallel misalignment and 3/32" end float. Consequently, starting torque can be tailored to the driven load requirements while torsional and lateral vibration and shock loads are being absorbed or cushioned.

The driven end of the couplings uses TAPER-LOCK bushings only. However, the motor end is available as bushed or bored-to-size. Bored-to-size flanges accommodate larger shafts than possible with bushed flanges. Smaller size flanges are reversible offering the H and F position from the same flange. A choice of H or F flanges is offered for size PX140.

TAPER-LOCK Bushings

Cplg. Size	For Mechanism		For Flange Assy.	
	No	Avg. Wt Lbs.	No.	Avg. Wt. Lbs.
987	**2517**	2.8	**1610**	0.7
1196	**2517**	2.8	**2012**	1.4
15116	**3030**	7.4	**2517**	2.8
D15116	**3030**	7.4	**2517**	2.8
D15131	**3030**	7.4	**2517**	2.8
18172	**3535**	11.5	**3535**	11.5
D18172	**3535**	11.5	**3535**	11.5

Note: For Keyway information, see footnote next page

Type PH FLEXIDYNE Couplings W/ TAPER-LOCK Flanges

Cplg. Size	Cplg. Less Bush-ings ◆	Items Req'd. for Complete Coupling ▲													
		Mechanism				TAPER-LOCK FLG. ASSY							ELEMENT		
	Wt. Lbs.	Driven End Bore Range		Part No.	Wt. Lbs.	Motor End Bore Range		Size	Part Nos. for Respective Types			Wt. Lbs.	Size	Part No.	Wt. lbs.
		Min.	Max.			Min.	Max.		St'd. (Reversible)	Type H	Type F				
987	46.7	1/2	2-11/16	**309077†**	40	1/2	1-11/16	PX70	**010603**	.....	.....	5.1	PH87	**011227**	1.6
1196	65.5	1/2	2-11/16	**311077**	56	1/2	2-1/8	PX80	**010604**	.....	.....	7.4	PH96	**011228**	2.1
15116	137.5	1-5/16	3-1/4	**315073**	120	1/2	2-11/16	PX100	**010606**	.....	.....	15.0	PH116	**011230**	2.5
D15116	184.5	1-5/16	3-1/4	**315074**	167	1/2	2-11/16	PX100	**010606**	.....	.....	15.0	PH116	**011230**	2.5
D15131	175.7	1-5/16	3-1/4	**315075**	150	1/2	2-11/16	PX110	**010607**	.....	.....	21.6	PH131	**011231**	4.1
18172	314.2	1-3/16	3-15/16	**318110**	242	1-3/16	3-15/16	PX140	.....	**011134**	**011154**	64.0	PH172	**011234**	8.2
D18172	320.2	1-3/16	3-15/16	**318400**	248	1-3/16	3-15/16	PX140	.....	**011134**	**011154**	64.0	PH172	**011234**	8.2

◆ When ordering bushings, specify bore and part number.

† Assembled-to-order. Consult DODGE for delivery.

▲ To facilitate order processing specify part numbers. In sizes 18172 and D18172, determine whether H or F Flange is required and order accordingly. **Complete Coupling consists of (1) Mechanism, (1) Taper-Lock Flange Assembly, (1) Element and (2) Bushings.**

Cplg. Size	Coupling Less Bushings ◆		BBS FLANGE ASSEMBLY						
	Rgh. Bored	Fin. Bored	Size	Rough Stock Bore			Fin. Bored w St'd. K. W.		
	Wt. Lbs.	Wt. Lbs.		Min. Bore ★	Part Number	Wt. Lbs.	Motor End Bore Range ♥	Wt. Lbs. ◆	Set Screw
987	49.5	47.3	PX70BBS		**010301**	7.9	1/2 - 2-1/8	5.7	
1196	69.1	66.3	PX80BBS		**010302**	11	1/2 - 2-9/16	8.2	
15116	147.5	139.5	PX100BBS	0	**010304**	25	1/2 - 3-1/4	17	✪
D15116	194.5	186.5	PX100BBS		**010304**	25	1/2 - 3-1/4	17	
D15131	189.1	176.1	PX110BBS		**010305**	35	1/2 - 3-15/16	22	
18172	336.2	311.2	PX140BBS	2-1/4	**010530**	86	2-3/4 - 4-1/2	61	♣
D18172	342.2	317.2	PX140BBS	2-1/4	**010530**	86	2-3/4 - 4-1/2	61	

Note: Complete Coupling consists of (1) Mechanism, (1) BBS Flange Assembly, (1) Element and (1) Bushing.

♥ Bored per order-Sizes PX70 thru PX110 are furnished with a clearance fit from nominal bores (up to 2" +.000-.000. over 2" +.0015 -.0000). In PX140 size, tolerance will be applied to custom bores (up to 3" +.000 -.001. over 3" thru 6" +.0000 -.0015; over 6" +.000 -.002). Largest Bore listed should be considered as maximum.

✪ One furnished over keyway.

♣ Not furnished unless specified on order.

⁜ Standard keyway is the same as shown on page. For shallow keyway exceptions, see table at right:

NOTE: Taper-Lock bushings sold separately

◆ Approximate weight with maximum bore

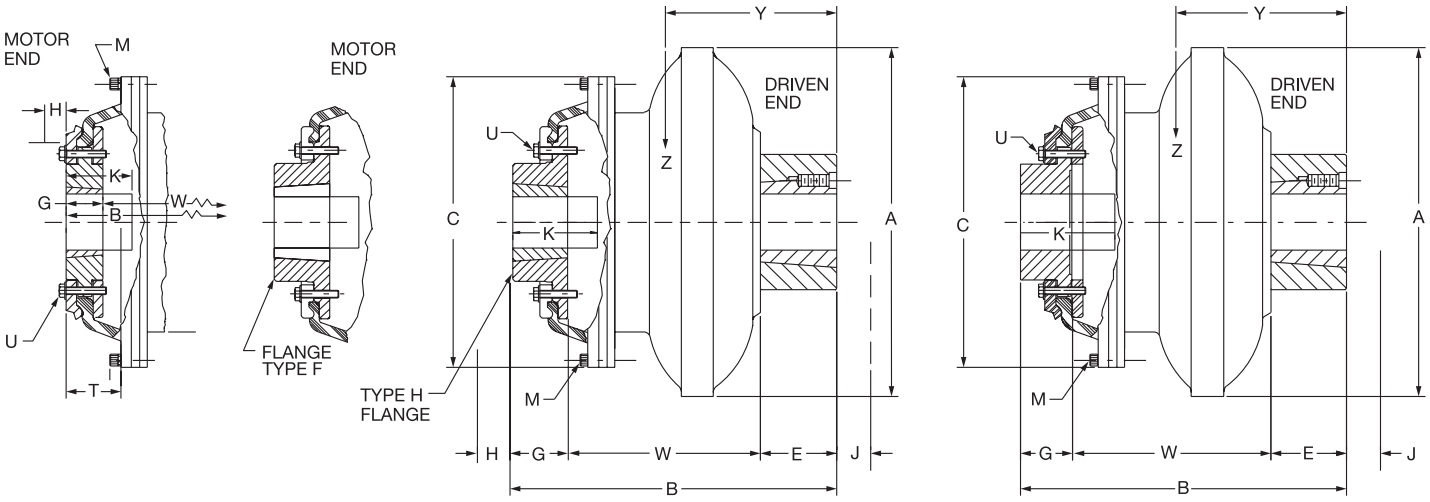
★ -.010 to -.015" no keyway

BS Flg. Size	Bore Range	Keyway	
PX70	2 - 2-1/8	1/2 x 1/8	**NOTE**-Key furnished for these exceptions only
PX80	2-3/8 - 2-9/16	5/8 x 3/16	
PX100	3-1/16 - 3-1/4	3/4 x 3/16	
PX110	3-11/16 - 3-3/4	7/8 x 1/4	
	3-13/16 - 3-15/16	1 x 1/4	

FEATURES/BENEFITS PAGE PT3-2	SPECIFICATION PAGE PT3-3	SELECTION PAGE PT3-4	ENGINEERING/TECHNICAL PAGE PT3-26

FLEXIDYNE

TYPE PH FLEXIDYNE COUPLINGS (cont.)



Coupling Size	Max. RPM	A	B		C	E ♣	G		H †	J †	K ▲		M ◆
			TAPER-LOCK Flange	Bored-to-Size Flange			TAPER-LOCK Flange	Bored-to-Size Flange			TAPER-LOCK Flange	Bored-to-Size Flange	(No.) & Size of Screws
987	1800	9.5	8.75	9.75	9.44	1.75	1	1.75	1.06	1.63	3.19	4.19	(8) 5/16-18 x 1-1/4
1196	1800	11.25	10.06	11.19	10.31	1.75	1.25	2	1.38	1.38	4.38	5.5	(6) 3/8-16 x 1-1/2
15116	1800	14.5	12.31	13.81	12.31	3	1.75	2.63	1.63	2.06	4.44	5.94	(8) 3/8-16 x 1-1/2
D15116	1800	14.5	13.88	15.31	12.31	3	1.75	2.63	1.63	2.06	4.44	5.94	(8) 3/8-16 x 1-1/2
D15131	1800	14.5	14.63	16.38	13.81	3	1.75	3	1.63	2.06	5.19	6.94	(8) 3/8-16 x 2
18172	1500	18	16.31	17.44	18.31	3.5	3.5	3.88	2.63	2.63	7.5	8.5	(8) 1/2-13 x 2
D18172	1500	18	17.81	18.94	18.31	3.5	3.5	3.88	2.63	2.63	7.31	8.5	(8) 1/2-13 x 2

Coupling Size	T		U **		W ■		X	Y ♥	Z ♠ (Lbs.)
	TAPER-LOCK Flange	Bored-to-Size Flange	No. and Size of Screws		TAPER-LOCK Flange	Bored-to-Size Flange			
			TAPER-LOCK Flange	Bored-to-Size Flange					
987	1.59	1.59	(5) 5/16-18 x 1-1/2	(5) 5/16-18 x 1-1/2	5.94	6.25	. .	3.88	43
1196	1.91	1.91	(6) 5/16-18 x 1-1/2	(6) 5/16-18 x 1-1/2	7.06	7.44	. .	4.13	66
15116	2.09	2.09	(6) 3/8-16 x 1-3/4	(6) 3/8-16 x 1-3/4	7.56	8.19	. .	5.5	107
D15116	2.09	2.09	(6) 3/8-16 x 1-3/4	(6) 3/8-16 x 1-3/4	9.13	9.69	. .	6.5	153
D15131	2.56	2.56	(6) 3/8-16 x 2	(6) 3/8-16 x 2	9.88	1.38	. .	6.5	153
18172	3.63	3	(8) 1/2-13 x 2-1/2	(8) 1/2-13 x 2-1/4	9.31	10.06	0.19	6.75	209
D18172	3.63	3	(8) 1/2-13 x 2-1/2	(8) 1/2-13 x 2-1/4	10.81	11.56	0.19	6.69	284

♣ Driven shaft should not extend into coupling beyond dimension E.
† Space required to loosen bushing with shortened hex key using screws as jackscrew no puller required
▲ Motor shaft may extend into coupling beyond dimension G but not beyond dimension K.
* Reversible flanges permit Type H or F from the same flange.
■ Normal distance between shafts. End float which increases or decreases W by slight amounts is permissible.
♥ Distance from driven end to center of gravity of driven section of coupling.
♠ Weight of driven section with maximum bore and flow charge.
◆ Socket head cap screw.
** Hex head cap screw, SAE Grade 8; Optional: Nickel plated Grade 8 screws"

Keyways-Standard Keyways are shown on page PT3-11.
For Shallow keyway exceptions see table below.

Bush No	Bore Range	
1610	1-9/16 - 1-5/8	**NOTE - Key furnished for these exceptions only. See TAPER-LOCK section for Keyway information**
2012	1-15/16 - 2-1/8	
2517	2-5/16 - 2-11/16	
3030	2-13/16 - 3-1/4	
3535	3-5/16 - 3-15/16	

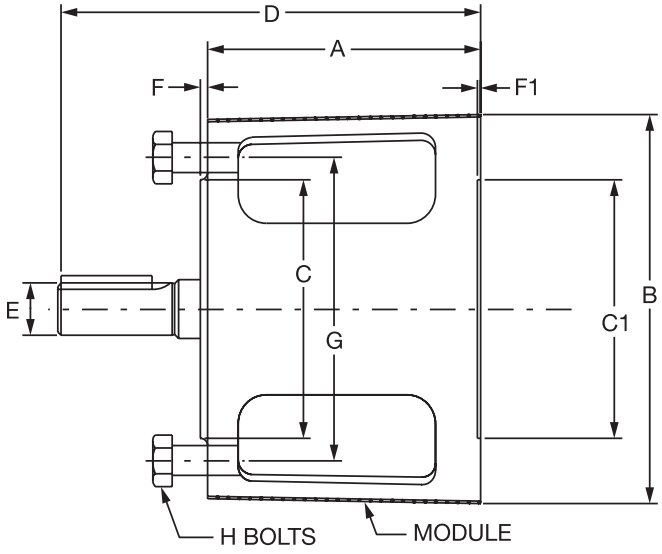
SELECTION/DIMENSIONS

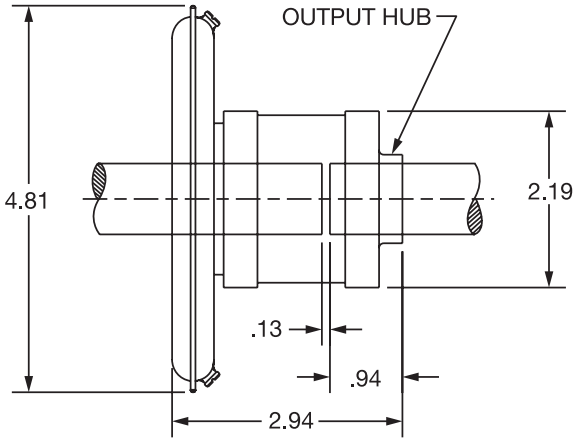
FLEXIDYNE

C-FLEX MODULE

C-Flex is a system for easily adapting stock FLEXIDYNE couplings to conventional AC motor/C-Face reducer drive combinations. The advantages of this low cost arrangement include soft start and intermittent overload protection utilizing popular NEMA-B motors and across-the-line switching. Costly reduced voltage starters or specially wound motors are not required. FLEXIDYNE unit operates bi-directionally (reversing) and allows starting of heavy inertial loads without oversized motors.

C-Flex fits all standard NEMA C-Face mountings of 56C, 140TC, 180TC and 210TC frame utilized on 1/2 thru 10 HP, 1750 ROM AC motors. The C-Flex output bearing provides support for single-bearing reducer types, but is equally suitable for reducers having two input shaft bearings.





C-Flex Modules

HP Rating @ 1750 RPM	For NEMA C-Face Frame	C-Flex Unit ▲ Model No.	C-Flex Unit ▲ Part No.	C-Flex Unit ▲ Wt. (Lbs.)	FLEXIDYNE Mechanism Size	FLEXIDYNE Mechanism Part No.	FLEXIDYNE Mechanism Wt. (Lbs.)	A	B	C Dia.	C1 Dia.	D	Nom. E. Dia.	F	F1	G Dia. B.C.	H Bolts No.	H Bolts Size
1/2 3/4 1	56C	150	**305026**	14.5	5CF x 5/8 ■	**305117**	2.2	4.75	6.63	4.500 4.497	4.501 4.503	6.69	5/8	.100 .160	0.19	5.88	4	★
1 1-1/2 2	140TC	200	**305027**	14.5	5CF x 7/8 ■	**305037**	2	4.75	6.63	4.500 4.497	4.501 4.503	6.81	7/8	.100 .160	0.19	5.88	4	★
3 5	180TC	500	**305028**	54.5	70C	**305025**	13.6	12.5	10	8.499 8.497	8.500 8.502	15.31	1-1/8	.200 .250	0.22	7.25	4	*
7-1/2 10	210TC	1000	**305029**	58.2	75C	**305058**	14.1	12.5	10	8.499 8.497	8.500 8.502	15.84	1-3/8	.200 .250	0.22	7.25	4	*

SELECTION DATA-For 1/2 thru 2 HP rating, see table below.
For 3 thru 10 HP rating, see tables on page PT3-6 and PT3-7
■ For 5C FLEXIDYNES see page PT3-10.

▲ Includes all necessary parts except mechanism.
★ 3/8 -16 x 1-1/4 Hex Hd. Cap Screw.
* 1/2 -13 x 1-1/2 Soc. Hd. Cap Screw.

Selection Of 5CF FLEXIDYNE Mechanism Used In C-Flex Module

Rated Motor HP	100% @ 1760 RPM Starting HP	100% @ 1760 RPM Flow Charge Lbs.	100% @ 1760 RPM Flow Charge Oz.	125% @ 1750 RPM Starting HP	125% @ 1750 RPM Flow Charge Lbs.	125% @ 1750 RPM Flow Charge Oz.	150% @ 1740 RPM Starting HP	150% @ 1740 RPM Flow Charge Lbs.	150% @ 1740 RPM Flow Charge Oz.	175% @ 1700 RPM Starting HP	175% @ 1700 RPM Flow Charge Lbs.	175% @ 1700 RPM Flow Charge Oz.	200% @ 1650 RPM Starting HP	200% @ 1650 RPM Flow Charge Lbs.	200% @ 1650 RPM Flow Charge Oz.
1/2	.50	0	4	.62	0	5	.75	0	5	.85	0	6	.94	0	7
3/4	.75	0	5	1.00	0	6	1.10	0	6	1.30	0	7	1.40	0	8
1	1.00	0	6	1.20	0	7	1.50	0	7	1.70	0	8	1.90	0	9
1-1/2	1.50	0	7	1.90	0	8	2.20	0	8	2.50	0	9	2.80	0	10
2	2.00	0	8	2.50	0	9	3.00	0	9	3.40	0	10	3.60	0	11

FLEXIDYNE

FLEXIDYNE Flow Charge

Cast steel flow charge is furnished unless otherwise specified. Sufficient amounts for all applications are furnished and included in the price of each FLEXIDYNE unit. The part numbers listed here apply only when extra flow charge is ordered or the application requires stainless steel flow charge.

Flow charge is packaged in a tough transparent plastic bottle which is graduated and has a handy pour spout. This makes handling of flow charge easy whether pouring into the unit or removing flow charge if a change in torque is desired.

Stainless steel flow charge is recommended for applications subject to excessive moisture, humidity or wide temperature variations that may cause internal condensation. It may be ordered to replace that in an existing unit or in place of the cast steel flow charge when ordering a FLEXIDYNE unit.

Sizes 5, 5CF, and 55 FLEXIDYNE mechanisms use SAE S110 (.0234, maximum diameter) steel shot. In sizes 70 and up, SAE S170 (.0331" maximum diameter) steel shot is used.

Flow Charge for Individual FLEXIDYNE Mechanism Applications

FLEXIDYNE Mech. Size ▲	Cast Steel		Stainless Steel	
	Part No.	Wt.	Part No.	Wt.
5, 5CF	**311124**	1 lb.-2 oz.	**311116**	11 oz.
55, 6*	**311124**	1 lb.-2 oz.	**311122**	1 lb. - 2oz.
7*	**311125**	3 lb.-5 oz.	**311118**	1 lb. -14 oz.
8*	**311125**	3 lb.-5 oz.	**311119**	3 lb. -5 oz.
70, 75"	**311125**	3 lb.-5 oz.	**311123**	2 lb. -13 oz.
9	**309111**	5 lb.-3 oz.	**311120**	5 lb. -3 oz.
11	**311111**	10 lb.	**311121**	10 lb.
15	**315111**	20 lb.	**(2) 311121**	20 lb.
D15, 18	**(1) 315111** **(1) 311111**	30 lb.	**(3) 311121**	30 lb.
D18	**(3) 315111**	60 lb.	**(2) 311113** **(1) 311121**	60 lb.

▲ Units with "D" prefix have duplex cavities.

* Old style FLEXIDYNE sizes.

Bulk FLEXIDYNE Flow Charge Size 70 and Up

Wt. (Lbs.)	Cast Steel Part No.	Stainless Part No.
15	.....	**311112**
20	**315111**	.....
25	.....	**311113**

PT Component Reference Guide
Couplings
Clutches and Brakes
FLEXIDYNE
Fluid Couplings
TORQUE-TAMER
Bushings

MODIFICATIONS/ ACCESSORIES

DODGE

FLEXIDYNE

Stock Sheaves For FLEXIDYNE Drives (Refer To Information On Page PT3-18)

For FLEXIDYNE Size	Fig. No. (page PT3-18)	No. of Grvs.	Datum Dia. Using A Belts ★	Datum Dia. Using B Belts ★	Datum Dia. Using C Belts ★	Outside Dia. Using 3V Belts	Outside Dia. Using 5V Belts	Bolt-On Part No.	TAPER LOCK Part No.	QD Part No.	Wt. (Lbs) ▲	See Drwg's on Page PT3-18 E	F	L	M
5D	Sheaves are integral - included in price & wt. of assembled unit														
55D	1 or 2	1	. . .	. . .	. . .	3.35	. . .	. . .	112175	. . . . .	1.1	. . . .	0.69	. . . .	0.31
		1	. . .	. . .	. . .	3.65	. . .	. . .	112176	455108	1.5	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	4.12	. . .	. . .	112177	144109	2.2	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	4.5	. . .	. . .	112178	144110	2.4	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	5.0	. . .	. . .	112180	455112	2.9	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	5.3	. . .	. . .	112181	455113	3.4	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	5.6	. . .	. . .	112182	455114	3.8	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	6.0	. . .	. . .	112183	455115	4.1	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	6.5	. . .	. . .	112184	455116	4.5	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	6.9	. . .	. . .	112185	455117	5.1	0.56	0.69	. . . .	0.31
	1 or 2	1	3.0	3.4 ■	. . .	. . .	. . .	. . .	. . . . .	118283	1.2	0.50	0.88	0.00	. . . .
		1	3.2	3.6 ■	. . .	. . .	. . .	. . .	. . . . .	118284	1.3	0.50	0.88	0.00	0.00
		1	3.4	3.8 ■	. . .	. . .	. . .	. . .	118301	118285	1.6	0.50	0.88	0.00	0.00
		1	3.6	4.0 ■	. . .	. . .	. . .	. . .	118302	118286	1.8	0.25	0.88	0.19	0.00
		1	3.8	4.2 ■	. . .	. . .	. . .	. . .	118194	455550	2.2	0.25	0.88	0.19	0.13
		1	4.0	4.4 ■	. . .	. . .	. . .	. . .	118195	455551	2.6	0.25	0.88	0.19	0.13
		1	4.2	4.6	. . .	. . .	. . .	. . .	118196	. . . . .	2.1	. . . .	0.88	. . . .	0.13
		1	4.4	4.8	. . .	. . .	. . .	. . .	118197	. . . . .	2.4	. . . .	0.88	. . . .	0.13
		1	4.6	5.0	. . .	. . .	. . .	. . .	118198	. . . . .	3.6	. . . .	0.88	. . . .	0.13
		1	4.8	5.2	. . .	. . .	. . .	. . .	118199	. . . . .	3.8	. . . .	0.88	. . . .	0.13
		1	5.0	5.4	. . .	. . .	. . .	. . .	118200	. . .	3.1	. . . . .	0.88	. . . .	0.13
		1	5.2	5.6	. . .	. . .	. . .	. . .	118201	. . .	4.3	. . . . .	0.88	. . . .	0.13
		1	5.4	5.8	. . .	. . .	. . .	. . .	118202	. . .	4.1	. . . . .	0.88	. . . .	0.13
		1	5.6	6.0	. . .	. . .	. . .	. . .	118203	. . .	4.1	. . . . .	0.88	. . . .	0.13
		1	5.8	6.2	. . .	. . .	. . .	. . .	118204	. . .	4.3	. . .	0.88	. . . .	0.13
		1	6.0	6.4	. . .	. . .	. . .	. . .	118205	. . .	4.1	. . . . .	0.88	. . . .	0.13
		1	6.2	6.6	. . .	. . .	. . .	. . .	118206	. . .	4.9	. . . . .	0.88	. . . .	0.13
		1	6.4	6.8	. . .				118207		4.8	. . .	0.88	. . . .	0.13
70D	4	1	. . .	. . .	. . .	4.75	. . .	112250	. . .	. . .	2.2	0.13	0.69	0.44	0.13
		1	. . .	. . .	. . .	5.0	. . .	112251	. . .	. . .	2.5	0.13	0.69	0.44	0.13
		1	. . .	. . .	. . .	5.3	. . .	112252	. . .	. . .	3.1	0.13	0.69	0.44	0.13
		1	. . .	. . .	. . .	5.6	. . .	112253	. . .	. . .	3.3	0.13	0.69	0.44	0.13
		1	. . .	. . .	. . .	6.0	. . .	112254	. . .	. . .	3.8	0.00	0.69	0.56	0.13
		1	. . .	. . .	. . .	6.5	. . .	112255	. . .	. . .	4.6	0.00	0.69	0.56	0.13
		1	. . .	. . .	. . .	6.9	. . .	112256	. . .	. . .	5.4	0.00	0.69	0.56	0.13
	4	1	4.8	5.2	. . .	. . .	. . .	118275	. . .	. . .	2.7	0.19	0.88	0.44	0.25
		1	5.0	5.4	. . .	. . .	. . .	118276	. . .	. . .	3.2	0.19	0.88	0.44	0.25
		1	5.2	5.6	. . .	. . .	. . .	118277	. . .	. . .	3.7	0.19	0.88	0.44	0.25
		1	5.6	6.0	. . .	. . .	. . .	118278	. . .	. . .	4.5	0.19	0.88	0.44	0.25
		1	6.0	6.4	. . .	. . .	. . .	118279	. . .	. . .	5.3	0.28	0.88	0.22	0.38
		1	6.4	6.8	. . .	. . .	. . .	118280	. . .	. . .	6.2	0.28	0.88	0.22	0.38
		1	7.0 ◆	7.4◆	. . .	. . .	. . .	118281	. . .	. . .	10.9	0.25	1.00	0.50	0.25

★ Composite groove to accommodate either A or B belts

† These sizes also fit 70D

◆ Made to order sheaves, price on application

▲ Use "B" Dyna-Cog Belt, not standard "B"

■ Weight does not include bushing. Order from page PT3-18

DODGE

FLEXIDYNE

Stock Sheaves For FLEXIDYNE Drives (Refer To Information On Page PT3-18)

For FLEXIDYNE Size	Drwg. Ref Fig. No.	No. of Grvs.	Datum Dia. Using A Belts ★	Datum Dia. Using B Belts ★	Datum Dia. Using C Belts ★	Outside Dia. Using 3V Belts	Outside Dia. Using 5V Belts	Bolt-On Part No.	TAPER LOCK Part No.	QD Part No.	Wt. (Lbs) ▲	See Drwg's on Page PT3-18 E	F	L	M
75D	4	2	...	...	...	4.75	...	112265	...	...	2.2	0.13	1.09	0.69	0.28
		2	...	...	...	5.0†	...	112266	...	...	2.7	0.13	1.09	0.69	0.28
		2	...	...	...	5.3	...	112267	...	...	3.6	0.13	1.09	0.69	0.28
		2	...	...	...	5.6†	...	112268	...	...	4.0	0.13	1.09	0.69	0.28
		2	...	...	...	6.0†	...	112269	...	...	4.9	0.00	1.09	0.81	0.28
		2	...	...	...	6.5	...	112270	...	...	6.1	0.00	1.09	0.81	0.28
		2	...	...	...	6.9	...	112271	...	...	7.5	0.00	1.09	0.81	0.28
	4	2	4.8	5.2	...	...	...	118290	...	...	4.6	0.06	1.75	0.75	0.94
		2	5.0	5.4	...	...	...	118291	...	...	5.5	0.06	1.75	0.75	0.94
		2	5.2	5.6	...	...	...	118292	...	...	6.5	0.06	1.75	0.75	0.94
		2	5.6	6.0	...	...	...	118293	...	...	7.0	0.06	1.75	0.75	0.94
		2	6.0	6.4	...	...	...	118294	...	...	7.9	0.06	1.75	0.75	0.94
		2	6.4	6.8	...	...	...	118295	...	...	8.9	0.06	1.75	0.75	0.94
		2	7.0◆	7.4◆	...	...	...	118296	...	...	13.3	0.00	1.75	0.81	0.94
9D	3	4	...	...	...	4.75	...	310077	...	...	4.5	0.00	1.91	2.13	0.22
		4	...	...	...	5.3	...	310078	...	...	5.6	0.00	1.91	2.13	0.22
		4	...	...	...	6.0	...	310079	...	...	8.6	0.00	1.91	2.13	0.22
	3	4	5.6	6.0	...	...	...	310060	...	...	13.2	1.25	3.25	2.25	0.25
		4	6.0	6.4	...	...	...	310061	...	...	15.0	1.25	3.25	2.25	0.25
		5	5.0	5.4	...	...	...	310062	...	...	11.4	2.00	4.00	2.25	0.25
		5	5.2	5.6	...	...	...	310063	...	...	12.3	2.00	4.00	2.25	0.25
11D, 11DL	4	3	...	...	...	....	7.5	310082	...	...	10.7	0.63	2.38	0.75	1.00
		5	...	...		6.5	....	310080	...	...	7.6	0.56	2.31	0.75	1.00
		5	...	...		6.9	....	310081	...	...	8.7	0.56	2.31	0.75	1.00
	4	5	6.2	6.6	...	...	...	310064	...	...	13.7	1.63	4.00	0.75	1.63
		5	6.4	6.8	...	...	...	310065	...	...	14.0	1.63	4.00	0.75	1.63
		5	7.0	7.4	...	...	...	310066	...	...	18.0	1.63	4.00	0.75	1.63
		5	8.2	8.6	...	...	...	310067	...	...	23.0	1.63	4.00	0.75	1.63
15D	4	4	...	...	...	...	9.75	310085	...	...	19.8	0.56	3.06	0.75	1.75
		5	...	...	...	...	8.5	310083	...	...	16.4	1.25	3.75	0.75	1.75
		5	...	...	...	...	9.0	310084	...	...	18.6	1.25	3.75	0.75	1.75
	4	5	...	...	10.5	...	...	310068	...	...	37.0	2.75	5.38	0.75	1.88
		6	...	...	9.0	...	...	310069	...	...	31.0	2.75	6.38	0.75	2.88
		6	...	...	9.5	...	...	310070	...	...	33.8	2.75	6.38	0.75	2.88
		6	...	...	10.0	...	...	310071	...	...	40.0	2.75	6.38	0.75	2.88
18D	Not Stocked, See Made-To-Order Sheaves on Next Page														

★ Composite groove to accommodate either A or B belts.

† These sizes also fit 70D.

◆ Made to order sheaves, price on application.

▲ Weight does not include bushing. Order from next page.

PT Component Reference Guide
Couplings
Clutches and Brakes
FLEXIDYNE
Fluid Couplings
TORQUE-TAMER
Bushings

MODIFICATIONS/ ACCESSORIES

DODGE

FLEXIDYNE

The tables on the previous pages list stock sheaves available for use on FLEXIDYNE Drives from size 55D thru 15D. The size 5D uses integral sheaves which are shown on page PT3-8. The 18D sheaves are made-to-order.

Avoid the use of bored-to-size sheaves which use setscrews which may distort sleeve or damage bearings. Order sheaves by part number listed in tables on previous pages PT3-16 - PT3-17. Refer to V-Drive tables on Pages PT3-18 - PT3-24. Information on made-to-order sheaves is shown below

FLEXIDYNE Sheave Bushings

Dwg. Ref.	Bush. Type	Part Number	Wt. (Lbs.)	Size
Fig. 1	QD	* 120580	.6	SH x 1-11/16
Fig. 2	TAPER-LOCK	* 117071	.5	1610 x 1-11/16

* These bushings used with 55D FLEXIDYNE. Must be used without key

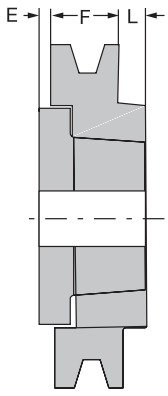


FIG. 1

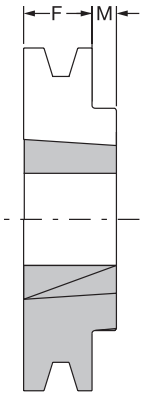


FIG. 2

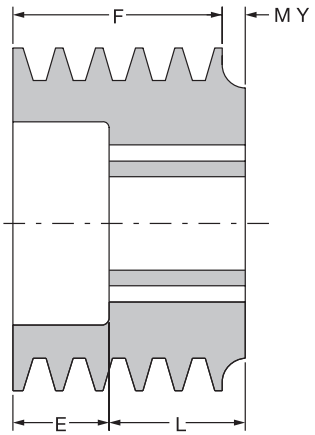


FIG. 3

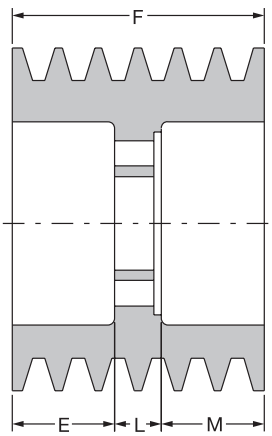


FIG. 4

▲ Locate right side of M dimension shown here @ right end of G dimension as shown in drawing for size 9D on page PT3-8

Made-To-Order FLEXIDYNE Sheaves

For FLEXI-DYNE Mech. Size	Separate Sheaves				
	Max. No. Grvs	Belt Size	Min. Dia.* TAPER-LOCK	QD	Bolt-On
55D	1	3V	3.85	. . .	. . .
		A	3.8	3.0	. . .
		B	4.2	3.4	. . .
70D	1	3V	. . .	. . .	5.3
		A	. . .	. . .	4.8
		B	. . .	. . .	5.2
75D	2	3V	. . .	. . .	5.3
		A	. . .	. . .	4.8
		B	. . .	. . .	5.2
9D	7	3V	6.4	. . .	4.75★
	6	B	6.6	. . .	5.4◆
11D, 11DL	10	3V	. . .	. . .	6.6
	6	5V	. . .	. . .	7.5
	7	B	. . .	. . .	6.7
15D	15	3V	. . .	. . .	8.0
	9	5V	. . .	. . .	9.0
	9	B	. . .	. . .	8.0
	7	C	. . .	. . .	8.5
18D	13	5V	. . .	. . .	11.8
	10	C	. . .	. . .	11.0

* For 3V, 5V groove sheaves outside diameter is shown. For A, B and C groove sheaves, pitch diameter is shown."

★ TAPER-LOCK furnished for 6.4 and larger O.D.

◆ TAPER-LOCK furnished for 6.6 and larger P.D.

Stock FLEXIDYNE sheaves should be used whenever possible. However Made-to-Order sheaves which conform to diameter and groove limitations listed in table at left, can be furnished. Consult DODGE if sheave required does not fall within these limits.

Made-to-order sheaves will be priced on application. Consult DODGE for price and delivery. The following should be included with your inquiry:

1. Style of Sheave (Bolt-on, Integral, TAPER-LOCK, etc.)
2. No. of Grooves.
3. Belt Size.
4. Sheave Dia. (State whether O.D. or P.D.)
5. Quantity Req'd.

DODGE

FLEXIDYNE
DS
These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Sheave Driver ▲	Sheave Driven *	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Sheave Driver ▲	Sheave Driven *	Quan. & Belt Size ◆
2250	1.29	3.6	AK30H	1-4L	1122	1.56	3.6	5.6	**
2122	1.22	3.4	AK30H	1-4L	1117	1.57	3.0	AK51H	1-4L
2100	1.20	3.6	AK32H	1-4L	1105	1.58	3.6	AK61H	1-4L
1970	1.13	3.6	AK34H	1-4L	1048	1.67	3.0	AK54H	1-4L
1970	1.13	3.4	AK32H	1-4L	1012	1.73	3.0	AK56H	1-4L
1875	1.07	3.0	AK30H	1-4L	1008	1.74	3.4	BK65H	1-5L
1850	1.06	3.6	3.4	**	983	1.78	3.6	6.4	**
1850	1.06	3.4	AK34H	1-4L	955	1.83	3.0	AK59H	1-4L
1750	1.00	3.0	AK32H	1-4L	936	1.87	3.0	5.6	**
1707	1.03	4.0	BK47H	1-5L	930	1.88	3.4	BK70H	1-5L
1703	1.03	3.6	AK41H	1-4L	921	1.90	3.0	AK61H	1-4L
1651	1.06	3.6	3.8	**	900	1.94	3.6	AK74H	1-4L
1651	1.06	3.4	BK40H	1-5L	875	2.00	3.0	AK64H	1-4L
1640	1.07	3.0	AK34H	1-4L	833	2.10	4.0	BK90H	1-5L
1577	1.11	3.6	AK44H	1-4L	804	2.18	3.4	BK80H	1-5L
1572	1.11	4.0	BK50H	1-5L	788	2.22	3.6	AK84H	1-4L
1615	1.08	3.6	BK45H	1-5L	768	2.28	3.6	8.2	**
1544	1.13	3.0	3.4	**	751	2.33	3.0	AK74H	1-4L
1525	1.15	3.4	BK45H	1-5L	708	2.47	3.4	BK90H	1-5L
1496	1.17	3.6	AK46H	1-4L	700	2.50	3.6	AK94H	1-4L
1522	1.15	4.0	BK52H	1-5L	673	2.60	4.0	BK110H	1-5L
1458	1.20	3.0	3.6	**	656	2.67	3.0	AK84H	1-4L
1451	1.21	3.4	BK47H	1-5L	641	2.73	3.0	8.2	**
1429	1.23	4.0	BK55H	1-5L	630	2.78	3.6	AK104H	1-4L
1400	1.25	3.6	AK49H	1-4L	614	2.85	4.0	BK120H	1-5L
1423	1.23	3.0	AK41H	1-4L	595	2.94	3.6	10.6	**
1378	1.27	3.0	3.8	**	583	3.00	3.0	AK94H	1-4L
1376	1.28	3.6	4.6	**	572	3.06	3.4	BK110H	1-5L
1372	1.28	4.0	BK57H	1-5L	525	3.33	3.0	AK104H	1-4L
1316	1.33	3.6	4.8	**	496	3.53	3.0	10.6	**
1340	1.31	3.6	AK51H	1-4L	455	3.85	4.0	BK160H	1-5L
1313	1.33	3.0	AK44H	1-4L	450	3.89	3.6	AK144H	1-4L
1296	1.35	4.0	BK60H	1-5L	444	3.94	3.4	BK140H	1-5L
1293	1.35	3.4	BK52H	1-5L	438	4.00	3.0	AK124H	1-4L
1259	1.39	3.6	AK54H	1-4L	420	4.17	3.6	AK154H	1-4L
1250	1.40	3.0	AK46H	1-4L	386	4.53	3.4	BK160H	1-5L
1215	1.44	3.6	AK56H	1-4L	375	4.67	3.0	AK144H	1-4L
1214	1.44	3.4	BK55H	1-5L	350	5.00	3.0	AK154H	1-4L
1186	1.48	4.0	BK65H	1-5L	323	5.41	3.4	BK190H	1-5L
1167	1.50	3.0	AK49H	1-4L	292	6.00	3.0	AK184H	1-4L
1167	1.50	3.4	BK57H	1-5L					
1145	1.58	3.6	AK59H	1-4L					

** Use one belt, either A or 4L.

▲ Pitch diameter of integral sheaves supplied with stock 5D-FLEXIDYNE.

◆ "A" Belts may be used in place of 4L belts on 3.0 P.D. sheaves or larger.
"AX" Belts may be used in place of 4L belts on 2.2 P.D. sheaves or larger.
"B" Belts are not recommended in place of 5L belts.
"BX" Belts may be used in place of 5L belts on 4.0 P.D. sheaves or larger.

* All Sheaves are DODGE stock sheaves. Size numbers are shown for FHP 4L and 5L sheaves; datum diameters for Dual Duty sheaves.

MODIFICATIONS/ ACCESSORIES

DODGE

FLEXIDYNE

V-Belt Drives For 55D FLEXIDYNE Drives

These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆
1750	1.00	3.6	3.6	1-A	1160	1.00	3.0	3.0	1-A
1750	1.00	3.4	3.4	1-3V	1160	1.00	3.4	3.4	1-3V
1670	1.05	4.2	4.4	1-A	1112	1.04	4.6	4.8	1-B
1657	1.06	4.5	4.8	1-3V	1098	1.06	4.5	4.8	1-3V
1598	1.10	4.2	4.6	1-A	1059	1.10	4.2	4.6	1-A
1573	1.11	4.5	5.0	1-3V	1061	1.09	4.1	4.5	1-3V
1522	1.15	4.0	4.6	1-A	1036	1.12	5.0	5.6	1-B
1515	1.15	4.1	4.8	1-3V	1026	1.13	3.7	4.1	1-3V
1483	1.18	4.5	5.3	1-3V	1005	1.15	4.1	4.8	1-3V
1470	1.19	4.2	5.0	1-A	1002	1.16	3.8	4.4	1-A
1439	1.22	4.1	5.0	1-3V	958	1.21	3.8	4.6	1-A
1411	1.24	5.0	6.2	1-B	954	1.22	4.1	5.0	1-3V
1403	1.25	4.5	5.6	1-3V	928	1.25	3.2	4.0	1-A
1357	1.29	4.1	5.3	1-3V	930	1.25	4.5	5.6	1-3V
1342	1.30	4.6	6.0	1-B	899	1.29	4.1	5.3	1-3V
1309	1.34	4.5	6.0	1-3V	892	1.30	4.0	5.2	1-A
1298	1.35	4.6	6.2	1-B	868	1.34	4.5	6.0	1-3V
1273	1.37	3.7	5.0	1-3V	859	1.35	4.0	5.4	1-A
1250	1.40	4.0	5.6	1-A	844	1.37	3.7	5.0	1-3V
1229	1.42	3.4	4.8	1-3V	840	1.38	4.2	5.8	1-A
1207	1.45	4.0	5.8	1-A	816	1.42	3.8	5.4	1-A
1197	1.46	4.1	6.0	1-3V	814	1.42	3.4	4.8	1-3V
1182	1.48	5.0	7.4	1-B	800	1.45	4.5	6.5	1-3V
1167	1.50	3.4	5.0	1-3V	791	1.47	3.0	4.4	1-A
1135	1.54	3.7	5.6	1-3V	773	1.50	3.2	4.8	1-A
1129	1.55	4.0	6.2	1-A	773	1.50	3.4	5.0	1-3V
1100	1.59	3.4	5.3	1-3V	757	1.53	3.0	4.6	1-A
1094	1.60	4.0	6.4	1-A	754	1.54	4.5	6.9	1-3V
1073	1.63	3.8	6.2	1-A	746	1.56	3.6	5.6	1-A
1059	1.65	3.7	6.0	1-3V	730	1.59	3.4	5.4	1-A
1041	1.68	3.4	5.6	1-3V	729	1.59	3.4	5.3	1-3V
1026	1.71	3.4	5.8	1-A	711	1.63	3.8	6.2	1-A
1000	1.75	4.0	7.0	1-A	702	1.65	3.7	6.0	1-3V
980	1.79	4.5	8.0	1-3V	696	1.67	3.0	5.0	1-A
960	1.82	3.4	6.2	1-A	690	1.68	3.4	5.6	1-3V
936	1.87	4.6	8.6	1-B	680	1.71	3.4	5.8	1-A
920	1.90	3.7	6.9	1-3V	649	1.79	4.5	8.0	1-3V
900	1.94	3.6	7.0	1-A	644	1.80	3.0	5.4	1-A
895	1.95	3.4	6.5	1-3V	616	1.88	3.4	6.4	1-A
850	2.06	3.4	7.0	1-A	610	1.90	3.7	6.9	1-3V
843	2.08	3.4	6.9	1-3V	593	1.95	3.4	6.5	1-3V
795	2.20	5.0	11.0	1-B	580	2.00	3.0	6.0	1-A
792	2.21	3.7	8.0	1-3V	559	2.08	3.4	6.9	1-3V
759	2.30	4.6	10.6	1-A	544	2.13	3.0	6.4	1-A
726	2.41	3.4	8.2	1-A	527	2.20	5.0	11.0	1-B
726	2.41	3.4	8.0	1-3V	525	2.21	3.7	8.0	1-3V
693	2.52	4.2	10.6	1-A	503	2.30	4.6	10.6	1-A
675	2.59	4.1	10.6	1-3V	489	2.37	4.5	10.6	1-3V
671	2.61	4.6	12.0	1-A	481	2.41	3.4	8.2	1-A
627	2.79	3.8	10.6	1-A	482	2.41	3.4	8.0	1-3V
597	2.93	3.7	10.6	1-3V	448	2.59	4.1	10.6	1-3V
583	3.00	4.0	12.0	1-A	445	2.61	4.6	12.0	1-A
558	3.13	4.5	14.0	1-3V	406	2.86	4.2	12.0	1-A
537	3.26	4.6	15.0	1-A	396	2.93	3.7	10.6	1-3V
511	3.43	4.1	14.0	1-3V	372	3.12	3.4	10.6	1-A
496	3.53	3.4	12.0	1-A	370	3.13	4.5	14.0	1-3V
476	3.68	5.0	18.4	1-B	346	3.35	4.6	15.4	1-B
452	3.87	3.7	14.0	1-3V	338	3.43	4.1	14.0	1-3V
443	3.95	3.8	15.0	1-A	309	3.75	3.2	12.0	1-A
420	4.17	3.6	15.0	1-A	299	3.87	3.7	14.0	1-3V
411	4.26	4.5	19.0	1-3V	278	4.17	3.6	15.0	1-A
397	4.41	3.4	15.0	1-A	274	4.23	3.4	14.0	1-3V
376	4.66	4.1	19.0	1-3V	258	4.50	4.0	18.0	1-A
369	4.74	3.8	18.0	1-A	249	4.66	4.1	19.0	1-3V
350	5.00	3.6	18.0	1-A	219	5.29	3.4	18.0	1-A
331	5.29	3.4	18.0	1-A	220	5.26	3.7	19.0	1-3V
332	5.26	3.7	19.0	1-3V	202	5.74	3.4	19.0	1-3V
305	5.74	3.4	19.0	1-3V	193	6.00	3.0	18.0	1-A

* Stock FLEXIDYNE sheaves listed on page PT3-16 - PT3-17.

* Stock TAPER-LOCK sheaves in V-drives section.

★ Outside diameter of 3V DYNA-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

FEATURES/BENEFITS PAGE PT3-2	SPECIFICATION PAGE PT3-3	SELECTION PAGE PT3-4	ENGINEERING/TECHNICAL PAGE PT3-26

DODGE

FLEXIDYNE

V-Belts Drive For 70D FLEXIDYNE Drives

These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆
1750	1.00	5.6	5.6	1-B	1160	1.00	4.8	4.8	1-A
1694	1.03	6.0	6.2	1-B	1123	1.03	6.0	6.2	1-B
1690	1.04	5.6	5.8	1-B	1119	1.04	5.4	5.6	1-B
1641	1.07	6.0	6.4	1-B	1094	1.06	5.0	5.3	1-3V
1633	1.07	5.6	6.0	1-B	1083	1.07	5.6	6.0	1-B
1632	1.07	5.6	6.0	1-3V	1082	1.07	5.6	6.0	1-3V
1614	1.08	6.0	6.5	1-3V	1070	1.08	6.0	6.5	1-3V
1591	1.10	6.0	6.6	1-B	1055	1.10	6.0	6.6	1-B
1581	1.11	5.6	6.2	1-B	1040	1.12	5.2	5.8	1-B
1575	1.11	5.4	6.0	1-B	1035	1.12	5.0	5.6	1-3V
1544	1.13	6.0	6.8	1-B	1015	1.14	5.6	6.4	1-B
1531	1.14	5.6	6.4	1-B	1008	1.15	6.0	6.9	1-3V
1524	1.15	5.4	6.2	1-B	998	1.16	5.6	6.5	1-3V
1520	1.15	6.0	6.9	1-3V	994	1.17	4.8	5.6	1-A
1506	1.16	5.6	6.5	1-3V	967	1.20	5.0	6.0	1-A
1485	1.18	5.6	6.6	1-B	965	1.20	5.0	6.0	1-3V
1477	1.19	5.4	6.4	1-B	949	1.22	5.4	6.6	1-B
1441	1.21	5.6	6.8	1-B	940	1.23	5.6	6.9	1-3V
1432	1.22	5.4	6.6	1-B	928	1.25	4.8	6.0	1-A
1419	1.23	6.0	7.4	1-B	914	1.27	5.2	6.6	1-B
1418	1.23	5.6	6.9	1-3V	898	1.29	4.8	6.2	1-A
1390	1.26	5.4	6.8	1-B	890	1.30	5.0	6.5	1-3V
1324	1.32	5.6	7.4	1-B	878	1.32	5.6	7.4	1-B
1310	1.34	6.0	8.0	1-3V	868	1.34	6.0	8.0	1-3V
1265	1.38	5.0	6.9	1-3V	862	1.35	5.2	7.0	1-A
1221	1.43	6.0	8.6	1-B	846	1.37	5.4	7.4	1-B
1222	1.43	5.6	8.0	1-3V	838	1.38	5.0	6.9	1-3V
1140	1.54	5.6	8.6	1-B	829	1.40	5.0	7.0	1-A
1117	1.57	6.0	9.4	1-B	809	1.43	6.0	8.6	1-B
1099	1.59	5.4	8.6	1-B	810	1.43	5.6	8.0	1-3V
1090	1.61	5.0	8.0	1-3V	792	1.46	5.6	8.2	1-A
1058	1.65	5.2	8.6	1-B	755	1.54	5.6	8.6	1-B
1043	1.68	5.6	9.4	1-B	740	1.57	6.0	9.4	1-B
1005	1.74	5.4	9.4	1-B	722	1.61	5.6	9.0	1-A
987	1.77	6.0	10.6	1-3V	722	1.61	5.0	8.0	1-3V
968	1.81	5.2	9.4	1-B	701	1.65	5.2	8.6	1-B
955	1.83	6.0	11.0	1-B	679	1.71	4.8	8.2	1-A
921	1.90	5.6	10.6	1-3V	666	1.74	5.4	9.4	1-B
891	1.96	5.6	11.0	1-B	654	1.77	6.0	10.6	1-3V
859	2.04	5.4	11.0	1-B	644	1.80	5.0	9.0	1-A
847	2.07	6.0	12.4	1-B	613	1.89	5.6	10.6	1-A
827	2.12	5.2	11.0	1-B	610	1.90	5.6	10.6	1-3V
821	2.13	5.0	10.6	1-3V	591	1.96	5.6	11.0	1-B
790	2.21	5.6	12.4	1-B	569	2.04	5.4	11.0	1-B
762	2.30	5.4	12.4	1-B	548	2.12	5.2	11.0	1-B
746	2.34	6.0	14.0	1-3V	544	2.13	5.0	10.6	1-3V
734	2.38	5.2	12.4	1-B	525	2.21	4.8	10.6	1-A
696	2.51	5.6	14.0	1-3V	505	2.30	5.4	12.4	1-B
682	2.57	6.0	15.4	1-B	495	2.34	6.0	14.0	1-3V
636	2.75	5.6	15.4	1-B	486	2.38	5.2	12.4	1-B
621	2.82	5.0	14.0	1-3V	464	2.50	4.8	12.0	1-A
614	2.85	5.4	15.4	1-B	462	2.51	5.6	14.0	1-3V
609	2.87	6.4	18.4	1-B	452	2.57	6.0	15.4	1-B
591	2.96	5.2	15.4	1-B	433	2.68	5.6	15.0	1-A
571	3.07	6.0	18.4	1-B	422	2.75	5.6	15.4	1-B
549	3.18	6.0	19.0	1-3V	412	2.82	5.0	14.0	1-3V
533	3.29	5.6	18.4	1-B	402	2.88	5.2	15.0	1-A
514	3.41	5.4	18.4	1-B	392	2.96	5.2	15.4	1-B
513	3.41	5.6	19.0	1-3V	387	3.00	5.0	15.0	1-A
495	3.54	5.2	18.4	1-B	371	3.12	4.8	15.0	1-A
457	3.83	5.0	19.0	1-3V	364	3.18	6.0	19.0	1-3V
....	....	..	...	....	361	3.21	5.6	18.0	1-A
....	....	..	...	....	353	3.29	5.6	18.4	1-B
....	....	..	...	....	340	3.41	5.6	19.0	1-3V
....	....	..	...	....	335	3.46	5.2	18.0	1-A
....	....	..	...	....	322	3.60	5.0	18.0	1-A
....	....	..	...	....	309	3.75	4.8	18.0	1-A
....	....	..	...	....	303	3.83	5.0	19.0	1-3V

* Stock FLEXIDYNE sheaves listed on page PT3-16 - PT3-17.

* Stock TAPER-LOCK sheaves in V-drives section.

★ Outside diameter of 3V DYNA-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

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MODIFICATIONS/ ACCESSORIES

DODGE

FLEXIDYNE

V-Belt Drives For 75D FLEXIDYNE Drives

These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆
1750	1.00	5.6	5.6	2-B	1160	1.00	4.8	4.8	2-A
1694	1.03	6.0	6.2	2-B	1114	1.04	4.8	5.0	2-A
1690	1.04	5.6	5.8	2-B	1094	1.06	5.0	5.3	2-3V
1641	1.07	6.0	6.4	2-B	1082	1.07	5.6	6.0	2-3V
1632	1.07	5.6	6.0	2-3V	1071	1.08	4.8	5.2	2-A
1614	1.08	6.0	6.5	2-3V	1072	1.08	6.0	6.5	2-3V
1591	1.10	6.0	6.6	2-B	1055	1.10	6.0	6.6	2-B
1544	1.13	6.0	6.8	2-B	1036	1.12	5.0	5.6	2-A
1524	1.15	5.4	6.2	2-B	1035	1.12	5.0	5.6	2-3V
1520	1.15	6.0	6.9	2-3V	1015	1.14	5.6	6.4	2-B
1506	1.16	5.6	6.5	2-3V	1008	1.15	6.0	6.9	2-3V
1485	1.18	5.6	6.6	2-B	1000	1.16	5.0	5.8	2-A
1441	1.21	5.6	6.8	2-B	998	1.16	5.6	6.5	2-3V
1419	1.23	6.0	7.4	2-B	994	1.17	4.8	5.6	2-A
1418	1.23	5.6	6.9	2-3V	984	1.18	5.6	6.6	2-B
1390	1.26	5.4	6.8	2-B	967	1.20	5.0	6.0	2-A
1324	1.32	5.6	7.4	2-B	965	1.20	5.0	6.0	2-3V
1310	1.34	6.0	8.0	2-3V	960	1.21	4.8	5.8	2-A
1277	1.37	5.4	7.4	2-B	941	1.23	6.0	7.4	2-B
1265	1.38	5.0	6.9	2-3V	940	1.23	5.6	6.9	2-3V
1221	1.43	6.0	8.6	2-B	935	1.24	5.0	6.2	2-A
1222	1.43	5.6	8.0	2-3V	928	1.25	4.8	6.0	2-A
1140	1.54	5.6	8.6	2-B	906	1.28	5.0	6.4	2-A
1117	1.57	6.0	9.4	2-B	898	1.29	4.8	6.2	2-A
1099	1.59	5.4	8.6	2-B	890	1.30	5.0	6.5	2-3V
1090	1.61	5.0	8.0	2-3V	887	1.31	5.2	6.8	2-B
1043	1.68	5.6	9.4	2-B	870	1.33	4.8	6.4	2-A
1005	1.74	5.4	9.4	2-B	868	1.34	6.0	8.0	2-3V
987	1.77	6.0	10.6	2-3V	862	1.35	5.2	7.0	2-A
968	1.81	5.2	9.4	2-B	846	1.37	5.4	7.4	2-B
955	1.83	6.0	11.0	2-B	838	1.38	5.0	6.9	2-3V
921	1.90	5.6	10.6	2-3V	829	1.40	5.0	7.0	2-A
891	1.96	5.6	11.0	2-B	809	1.43	6.0	8.6	2-B
859	2.04	5.4	11.0	2-B	810	1.43	5.6	8.0	2-3V
847	2.07	6.0	12.4	2-B	795	1.46	4.8	7.0	2-A
827	2.12	5.2	11.0	2-B	755	1.54	5.6	8.6	2-B
821	2.13	5.0	10.6	2-3V	736	1.58	5.2	8.2	2-A
790	2.21	5.6	12.4	2-B	722	1.61	5.0	8.0	2-3V
762	2.30	5.4	12.4	2-B	707	1.64	5.0	8.2	2-A
746	2.34	6.0	14.0	2-3V	679	1.71	4.8	8.2	2-A
734	2.38	5.2	12.4	2-B	670	1.73	5.2	9.0	2-A
696	2.51	5.6	14.0	2-3V	654	1.77	6.0	10.6	2-3V
682	2.57	6.0	15.4	2-B	644	1.80	5.0	9.0	2-A
636	2.75	5.6	15.4	2-B	619	1.87	4.8	9.0	2-A
621	2.82	5.0	14.0	2-3V	610	1.90	5.6	10.6	2-3V
614	2.85	5.4	15.4	2-B	591	1.96	5.6	11.0	2-B
591	2.96	5.2	15.4	2-B	569	2.04	5.4	11.0	2-B
571	3.07	6.0	18.4	2-B	547	2.12	5.0	10.6	2-A
549	3.18	6.0	19.0	2-3V	544	2.13	5.0	10.6	2-3V
525	3.33	6.0	20.0	2-B	525	2.21	4.8	10.6	2-A
514	3.41	5.4	18.4	2-B	495	2.34	6.0	14.0	2-3V
513	3.41	5.6	19.0	2-3V	486	2.38	5.2	12.4	2-B
490	3.57	5.6	20.0	2-B	464	2.50	4.8	12.0	2-A
455	3.85	5.2	20.0	2-B	462	2.51	5.6	14.0	2-3V
457	3.83	5.0	19.0	2-3V	422	2.75	5.6	15.4	2-B
420	4.17	6.0	25.0	2-B	412	2.82	5.0	14.0	2-3V
417	4.19	6.0	25.0	2-3V	402	2.88	5.2	15.0	2-A
392	4.46	5.6	25.0	2-B	387	3.00	5.0	15.0	2-A
389	4.50	5.6	25.0	2-3V	371	3.12	4.8	15.0	2-A
378	4.63	5.4	25.0	2-B	364	3.18	6.0	19.0	2-3V
364	4.81	5.2	25.0	2-B	340	3.41	5.6	19.0	2-3V
350	5.00	6.0	30.0	2-B	322	3.60	5.0	18.0	2-A
347	5.04	5.0	25.0	2-3V	309	3.75	4.8	18.0	2-A
327	5.36	5.6	30.0	2-B	303	3.83	5.0	19.0	2-3V
303	5.77	5.2	30.0	2-B	278	4.17	6.0	25.0	2-B
276	6.33	6.0	38.0	2-B	277	4.19	6.0	25.0	2-3V
258	6.79	5.6	38.0	2-B	258	4.50	5.6	25.0	2-3V
249	7.04	5.4	38.0	2-B	230	5.04	5.0	25.0	2-3V

* Stock FLEXIDYNE sheaves listed on page PT3-16 - PT3-17.
* Stock TAPER-LOCK sheaves in V-drives section.

★ Outside diameter of 3V DYNA-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

FEATURES/BENEFITS PAGE PT3-2	SPECIFICATION PAGE PT3-3	SELECTION PAGE PT3-4	ENGINEERING/TECHNICAL PAGE PT3-26

DODGE

FLEXIDYNE

V-Belt Drives For 9D FLEXIDYNE Drives

These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆
1750	1.00	4.75	4.75	4-3V	1160	1.00	4.75	4.75	4-3V
1683	1.04	5.0	5.2	5-A	1115	1.04	5.0	5.2	5-A
1667	1.05	4.75	5.0	4-3V	1105	1.05	4.75	5.0	4-3V
1636	1.07	5.6	6.0	4-A	1084	1.07	5.6	6.0	4-A
1620	1.08	5.2	5.6	5-A	1074	1.08	5.2	5.6	5-A
1577	1.11	5.4	6.0	5-B	1045	1.11	5.4	6.0	5-B
1563	1.12	4.75	5.3	4-3V	1036	1.12	4.75	5.3	4-3V
1549	1.13	5.3	6.0	4-3V	1027	1.13	5.3	6.0	4-3V
1535	1.14	5.6	6.4	4-A	1018	1.14	5.6	6.4	4-A
1522	1.15	6.0	6.9	4-3V	1009	1.15	6.0	6.9	4-3V
1496	1.17	6.0	7.0	4-A	991	1.17	6.0	7.0	4-A
1483	1.18	4.75	5.6	4-3V	983	1.18	4.75	5.6	4-3V
1458	1.20	5.0	6.0	5-A	967	1.20	5.0	6.0	5-A
1423	1.23	5.3	6.5	4-3V	943	1.23	5.3	6.5	4-3V
1400	1.25	5.6	7.0	4-A	928	1.25	5.6	7.0	4-A
1378	1.27	4.75	6.0	4-3V	913	1.27	4.75	6.0	4-3V
1367	1.28	5.0	6.4	5-A	906	1.28	5.0	6.4	5-A
1346	1.30	5.3	6.9	4-3V	892	1.30	5.3	6.9	4-3V
1326	1.32	5.6	7.4	5-B	879	1.32	5.6	7.4	5-B
1306	1.34	6.0	8.0	4-3V	866	1.34	6.0	8.0	4-3V
1296	1.35	5.2	7.0	5-A	859	1.35	5.2	7.0	5-A
1277	1.37	4.75	6.5	4-3V	847	1.37	4.75	6.5	4-3V
1250	1.40	5.0	7.0	5-A	829	1.40	5.0	7.0	5-A
1224	1.43	6.0	8.6	4-B	811	1.43	6.0	8.6	4-B
1199	1.46	4.75	6.9	4-3V	795	1.46	4.75	6.9	4-3V
1159	1.51	5.3	8.0	4-3V	768	1.51	5.3	8.0	4-3V
1136	1.54	5.6	8.6	5-B	753	1.54	5.6	8.6	5-B
1108	1.58	5.2	8.2	5-A	734	1.58	5.2	8.2	5-A
1087	1.61	5.6	9.0	4-A	720	1.61	5.6	9.0	4-A
1067	1.64	5.0	8.2	5-A	707	1.64	5.0	8.2	5-A
1036	1.69	4.75	8.0	4-3V	686	1.69	4.75	8.0	4-3V
1012	1.73	5.2	9.0	5-A	671	1.73	5.2	9.0	5-A
989	1.77	6.0	10.6	4-3V	655	1.77	6.0	10.6	4-3V
972	1.80	5.0	9.0	5-A	644	1.80	5.0	9.0	5-A
956	1.83	6.0	11.0	4-B	634	1.83	6.0	11.0	4-B
926	1.89	5.6	10.6	4-A	614	1.89	5.6	10.6	4-A
902	1.94	6.4	12.4	4-B	598	1.94	6.4	12.4	4-B
871	2.01	5.3	10.6	4-3V	577	2.01	5.3	10.6	4-3V
858	2.04	5.2	10.6	5-A	569	2.04	5.2	10.6	5-A
818	2.14	5.6	12.0	4-A	542	2.14	5.6	12.0	4-A
792	2.21	5.6	12.4	5-B	525	2.21	5.6	12.4	5-B
781	2.24	4.75	10.6	4-3V	518	2.24	4.75	10.6	4-3V
748	2.34	6.0	14.0	4-3V	496	2.34	6.0	14.0	4-3V
729	2.40	5.0	12.0	5-A	483	2.40	5.0	12.0	5-A
700	2.50	6.0	12.0	4-A	464	2.50	6.0	15.0	4-A
681	2.57	6.0	15.4	4-B	451	2.57	6.0	15.4	4-B
658	2.66	5.3	14.0	4-3V	436	2.66	5.3	14.0	4-3V
636	2.75	5.6	15.4	5-B	422	2.75	5.6	15.4	5-B
608	2.88	5.2	15.0	5-A	403	2.88	5.2	15.0	5-A
589	2.97	4.75	14.0	4-3V	391	2.97	4.75	14.0	4-3A
570	3.07	6.0	18.4	4-B	378	3.07	6.0	18.4	4-B
545	3.21	5.6	18.0	4-A	361	3.21	5.6	18.0	4-A
532	3.29	5.6	18.4	5-B	353	3.29	5.6	18.4	5-B
506	3.46	5.2	18.0	5-A	335	3.46	5.2	18.0	5-A
485	3.61	5.3	19.0	4-3V	321	3.61	5.3	19.0	4-3V
473	3.70	5.4	20.0	5-B	314	3.70	5.4	20.0	5-B
448	3.91	6.4	25.0	4-B	297	3.91	6.4	25.0	4-B
434	4.03	4.75	19.0	4-3V	288	4.03	4.75	19.0	4-3V
420	4.17	6.0	25.0	4-B	278	4.17	6.0	25.0	4-B
392	4.46	5.6	25.0	5-B	260	4.46	5.6	25.0	5-B
368	4.75	5.3	25.0	4-3V	244	4.75	5.3	25.0	4-3V
350	5.00	6.0	30.0	4-B	232	5.00	6.0	30.0	4-B
330	5.31	4.75	25.0	4-3V	218	5.31	4.75	25.0	4-3V
311	5.62	6.0	33.5	4-3V	206	5.62	6.0	33.5	4-3V
295	5.94	6.4	38.0	4-B	195	5.94	6.4	38.0	4-B
275	6.37	5.3	33.5	4-3V	182	6.37	5.3	33.5	4-3V
258	6.79	5.6	38.0	5-B	171	6.79	5.6	38.0	5-B
246	7.12	4.75	33.5	4-3V	163	7.12	4.75	33.5	4-3V

* Stock FLEXIDYNE sheaves listed on page PT3-16 - PT3-17.
* Stock TAPER-LOCK sheaves in V-drives section.

★ Outside diameter of 3V DYNA-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

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MODIFICATIONS/ ACCESSORIES

DODGE

FLEXIDYNE

V-Belt Drives For 11D, 11DL FLEXIDYNE Drives

These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆
1750	1.00	6.5	6.5	5-3V	1160	1.00	6.5	6.5	5-3V
1750	1.00	6.8	6.8	5-B	1160	1.00	6.8	6.8	5-B
1699	1.03	6.6	6.8	5-B	1126	1.03	6.6	6.8	5-B
1651	1.06	6.5	6.9	5-3V	1094	1.06	6.5	6.9	5-3V
1636	1.07	7.5	8.0	3-5V	1084	1.07	7.5	8.0	3-5V
1606	1.09	6.8	7.4	5-B	1064	1.09	6.8	7.4	5-B
1563	1.12	6.6	7.4	5-B	1036	1.12	6.6	7.4	5-B
1535	1.14	7.5	8.5	3-5V	1022	1.14	7.5	8.5	3-5V
1509	1.16	7.4	8.6	5-B	1000	1.16	7.4	8.6	5-B
1509	1.16	6.9	8.0	5-3V	1000	1.16	6.9	8.0	5-3V
1458	1.20	7.5	9.0	3-5V	967	1.20	7.5	9.0	3-5V
1423	1.23	6.5	8.0	5-3V	943	1.23	6.5	8.0	5-3V
1411	1.24	7.5	9.25	3-5V	935	1.24	7.5	9.25	3-5V
1389	1.26	6.8	8.6	5-B	921	1.26	6.8	8.6	5-B
1378	1.27	7.4	9.4	5-B	913	1.27	7.4	9.4	5-B
1367	1.28	8.6	11.0	5-B	906	1.28	8.6	11.0	5-B
1346	1.30	7.5	9.75	3-5V	892	1.30	7.5	9.75	3-5V
1346	1.30	6.6	8.6	5-B	892	1.30	6.6	8.6	5-B
1268	1.38	7.5	10.3	3-5V	841	1.38	7.5	10.3	3-5V
1268	1.38	6.8	9.4	5-B	841	1.38	6.8	9.4	5-B
1232	1.42	6.6	9.4	5-B	817	1.42	6.6	9.4	5-B
1215	1.44	8.6	12.4	5-B	806	1.44	8.6	12.4	5-B
1199	1.46	7.5	10.9	3-5V	795	1.46	7.5	10.9	3-5V
1174	1.49	7.4	11.0	5-B	779	1.49	7.4	11.0	5-B
1136	1.54	6.9	10.6	5-3V	753	1.54	6.9	10.6	5-3V
1108	1.58	7.5	11.8	3-5V	734	1.58	7.5	11.8	3-5V
1080	1.62	6.8	11.0	5-B	716	1.62	6.8	11.0	5-B
1067	1.64	6.5	10.6	5-3V	707	1.64	6.5	10.6	5-3V
1048	1.67	6.6	11.0	5-B	695	1.67	6.6	11.0	5-B
1042	1.68	7.5	12.5	3-5V	690	1.68	7.5	12.5	3-5V
1042	1.68	7.4	12.4	5-B	690	1.68	7.4	12.4	5-B
989	1.77	7.5	13.2	3-5V	655	1.77	7.5	13.2	3-5V
978	1.79	8.6	15.4	5-B	648	1.79	8.6	15.4	5-B
962	1.82	6.8	12.4	5-B	637	1.82	6.8	12.4	5-B
931	1.88	7.5	14.0	3-5V	617	1.88	7.5	14.0	3-5V
931	1.88	6.6	12.4	5-B	617	1.88	6.6	12.4	5-B
871	2.01	7.5	15.0	3-5V	577	2.01	7.5	15.0	3-5V
858	2.04	6.9	14.0	5-3V	569	2.04	6.9	14.0	5-3V
841	2.08	7.4	15.4	5-B	558	2.08	7.4	15.4	5-B
818	2.14	8.6	18.4	5-B	542	2.14	8.6	18.4	5-B
814	2.15	7.5	16.0	3-5V	540	2.15	7.5	16.0	3-5V
810	2.16	6.5	14.0	5-3V	537	2.16	6.5	14.0	5-3V
774	2.26	6.8	15.4	5-B	513	2.26	6.8	15.4	5-B
751	2.33	6.6	15.4	5-B	498	2.33	6.6	15.4	5-B
703	2.49	7.4	18.4	5-B	466	2.49	7.4	18.4	5-B
646	2.71	6.8	18.4	5-B	428	2.71	6.8	18.4	5-B
632	2.77	6.9	19.0	5-3V	419	2.77	6.9	19.0	5-3V
627	2.79	6.6	18.4	5-B	416	2.79	6.6	18.4	5-B
614	2.85	7.5	21.2	3-5V	407	2.85	7.5	21.2	3-5V
601	2.91	8.6	25.0	5-B	399	2.91	8.6	25.0	5-B
595	2.94	6.5	19.0	5-3V	395	2.94	6.5	19.0	5-3V
578	3.03	6.6	20.0	5-B	383	3.03	6.6	20.0	5-B
518	3.38	7.4	25.0	5-B	343	3.38	7.4	25.0	5-B
501	3.49	8.6	30.0	5-B	332	3.49	8.6	30.0	5-B
481	3.64	6.9	25.0	5-3V	319	3.64	6.9	25.0	5-3V
476	3.68	6.8	25.0	5-B	315	3.68	6.8	25.0	5-B
464	3.77	7.5	28.0	3-5V	308	3.77	7.5	28.0	3-5V
462	3.79	6.6	25.0	5-B	306	3.79	6.6	25.0	5-B
452	3.87	6.5	25.0	5-3V	300	3.87	6.5	25.0	5-3V
432	4.05	7.4	30.0	5-B	286	4.05	7.4	30.0	5-B
397	4.41	6.8	30.0	5-B	263	4.41	6.8	30.0	5-B
385	4.55	6.6	30.0	5-B	255	4.55	6.6	30.0	5-B
359	4.88	6.9	33.5	5-3V	238	4.88	6.9	35.5	5-3V
347	5.05	7.5	37.5	3-5V	230	5.05	7.5	37.5	3-5V
340	5.14	7.4	38.0	5-B	226	5.14	7.4	38.0	5-B
337	5.19	6.5	33.5	5-3V	224	5.19	6.5	33.5	5-3V
313	5.59	6.8	38.0	5-B	208	5.59	6.8	38.0	5-B
304	5.76	6.6	38.0	5-B	201	5.76	6.6	38.0	5-B

* Stock FLEXIDYNE sheaves listed on page PT3-16 - PT3-17.
* Stock TAPER-LOCK sheaves in V-drives section.

★ Outside diameter of 3V DYNA-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

DODGE

FLEXIDYNE

V-Belt Drives For 15D FLEXIDYNE Drives

These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆
1750	1.00	9.75	9.75	4-5V	1160	1.00	9.75	9.75	4-5V
1699	1.03	9.0	9.25	5-5V	1126	1.03	9.0	9.25	5-5V
1663	1.05	9.5	10.0	6-C	1102	1.05	9.5	10.0	6-C
1651	1.06	9.75	10.3	4-5V	1094	1.06	9.75	10.3	4-5V
1620	1.08	9.0	9.75	5-5V	1074	1.08	9.0	9.75	5-5V
1606	1.09	8.5	9.25	5-5V	1064	1.09	8.5	9.25	5-5V
1591	1.10	10.0	11.0	6-C	1055	1.10	10.0	11.0	6-C
1575	1.11	9.0	10.0	6-C	1044	1.11	9.0	10.0	6-C
1563	1.12	9.75	10.9	4-5V	1036	1.12	9.75	10.9	4-5V
1531	1.14	10.5	12.0	5-C	1015	1.14	10.5	12.0	5-C
1522	1.15	8.5	9.75	5-5V	1009	1.15	8.5	9.75	5-5V
1496	1.17	9.0	10.5	6-C	994	1.17	9.0	10.5	6-C
1458	1.20	10.0	12.0	6-C	966	1.20	10.0	12.0	6-C
1446	1.21	9.75	11.8	4-5V	959	1.21	9.75	11.8	4-5V
1432	1.22	9.0	11.0	6-C	949	1.22	9.0	11.0	6-C
1413	1.24	10.5	13.0	5-C	937	1.24	10.5	13.0	5-C
1385	1.26	9.5	12.0	6-C	918	1.26	9.5	12.0	6-C
1367	1.28	9.75	12.5	4-3V	906	1.28	9.75	12.5	4-3V
1357	1.29	8.5	10.9	5-5V	899	1.29	8.5	10.9	5-5V
1346	1.30	10.0	13.0	6-C	892	1.30	10.0	13.0	6-C
1336	1.31	9.0	11.8	5-5V	885	1.31	9.0	11.8	5-5V
1313	1.33	10.5	14.0	5-C	870	1.33	10.5	14.0	5-C
1287	1.36	9.75	13.2	4-5V	853	1.36	9.75	13.2	4-5V
1279	1.37	9.5	13.0	6-C	848	1.37	9.5	13.0	6-C
1259	1.39	8.5	11.8	5-5V	835	1.39	8.5	11.8	5-5V
1250	1.40	10.0	14.0	6-C	829	1.40	10.0	14.0	6-C
1215	1.44	9.75	14.0	4-5V	806	1.44	9.75	14.0	4-5V
1190	1.47	9.0	13.2	5-5V	789	1.47	9.0	13.2	5-5V
1182	1.48	8.5	12.5	5-5V	784	1.48	8.5	12.5	5-5V
1148	1.52	10.5	16.0	5-C	761	1.52	10.5	16.0	5-C
1136	1.54	9.75	15.0	4-5V	753	1.54	9.75	15.0	4-5V
1122	1.56	8.5	13.2	5-5V	744	1.56	8.5	13.2	5-5V
1094	1.60	10.0	16.0	6-C	725	1.60	10.0	16.0	6-C
1061	1.65	9.75	16.0	4-5V	703	1.65	9.75	16.0	4-5V
1048	1.67	9.0	15.0	5-5V	695	1.67	9.0	15.0	5-5V
1039	1.68	9.5	16.0	6-C	689	1.68	9.5	16.0	6-C
989	1.77	8.5	15.0	5-5V	655	1.77	8.5	15.0	5-5V
978	1.79	9.0	16.0	5-5V	648	1.79	9.0	16.0	5-5V
926	1.89	8.5	16.0	5-5V	614	1.89	8.5	16.0	5-5V
919	1.91	10.5	20.0	5-C	609	1.91	10.5	20.0	5-C
875	2.00	10.0	20.0	6-C	580	2.00	10.0	20.0	6-C
831	2.10	9.5	20.0	6-C	551	2.10	9.5	20.0	6-C
799	2.19	9.75	21.2	4-5V	530	2.19	9.75	21.2	4-5V
788	2.22	9.0	20.0	6-C	522	2.22	9.0	20.0	6-C
766	2.28	10.5	24.0	5-C	508	2.28	10.5	24.0	5-C
738	2.37	9.0	21.2	5-5V	489	2.37	9.0	21.2	5-5V
729	2.40	10.0	24.0	6-C	483	2.40	10.0	24.0	6-C
697	2.51	8.5	21.2	5-5V	462	2.51	8.5	21.2	5-5V
656	2.67	9.0	24.0	6-C	435	2.67	9.0	24.0	6-C
612	2.86	10.5	30.0	5-C	406	2.86	10.5	30.0	5-C
606	2.89	9.75	28.0	4-5V	401	2.89	9.75	28.0	4-5V
583	3.00	10.0	30.0	6-C	386	3.00	10.0	30.0	6-C
559	3.13	9.0	28.0	5-5V	371	3.13	9.0	28.0	5-5V
527	3.32	8.5	28.0	5-5V	349	3.32	8.5	28.0	5-5V
510	3.43	10.5	36.0	5-C	338	3.43	10.5	36.0	5-C
486	3.60	10.0	36.0	6-C	322	3.60	10.0	36.0	6-C
462	3.79	9.5	36.0	6-C	306	3.79	9.5	36.0	6-C
451	3.88	9.75	37.5	4-5V	299	3.88	9.75	37.5	4-5V
438	4.00	9.0	36.0	6-C	290	4.00	9.0	36.0	6-C
417	4.20	9.0	37.5	5-5V	276	4.20	9.0	37.5	5-5V
393	4.45	8.5	37.5	5-5V	261	4.45	8.5	37.5	5-5V
378	4.64	9.5	44.0	6-C	251	4.64	9.5	44.0	6-C
368	4.76	10.5	50.0	5-C	244	4.76	10.5	50.0	5-C
358	4.89	9.0	44.0	6-C	237	4.89	9.0	44.0	6-C
350	5.00	10.0	50.0	6-C	232	5.00	10.0	50.0	6-C
338	5.17	9.75	50.0	4-5V	224	5.17	9.75	50.0	4-5V
312	5.61	9.0	50.0	5-5V	207	5.61	9.0	50.0	5-5V
295	5.94	8.5	50.0	5-5V	195	5.94	8.5	50.0	5-5V

* Stock FLEXIDYNE sheaves listed on page PT3-16 - PT3-17.
* Stock TAPER-LOCK sheaves in V-drives section.

★ Outside diameter of 3V DYNA-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

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ENGINEERING/TECHNICAL

FLEXIDYNE

SCF FLEXIDYNE Mechanism Used In A C-Flex Module

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*						
		0.50	1.00	1.50	2.00	2.50	3.00	3.60
2 Hours	1750	140	90	70	56	50	44	37
1 Hour	1750	140	90	70	56	50	44	37
30 Min.	1750	140	90	70	56	50	44	37
15 Min.	1750	140	90	70	56	50	44	37
10 Min.	1750	125	80	60	48	42	39	32
5 Min.	1750	74	46	46	29	26	23	20
2 Min.	1750	30	19	15	12	10	8	5
1 Min.	1750	15	10	5	3	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

Thermal Capacities
FLEXIDYNE Mechanism Size 5

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*					
		0.30	0.50	0.70	0.90	1.10	1.30
2 Hours	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
1 Hour	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
30 Min.	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
15 Min.	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
10 Min.	1750	300	200	150	116	105	94
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
5 Min.	1750	170	116	88	68	62	55
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
2 Min.	1750	70	47	35	27	25	22
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
1 Min.	1750	35	23	18	14	12	11
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used.

FLEXIDYNE

FLEXIDYNE Mechanism Size 55

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*								
		0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00
2 Hours	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
1 Hour	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
30 Min.	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
15 Min.	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
10 Min.	1750	....	....	96	67	60	52	47	43	40
	1160	190	130	110	82	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
5 Min.	1750	....	....	58	41	37	32	29	25	20
	1160	110	80	68	50	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
2 Min.	1750	....	....	30	23	20	17	15	13	10
	1160	60	40	35	28	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
1 Min.	1750	....	....	19	15	13	11	9	8	6
	1160	33	26	22	18	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....

FLEXIDYNE Mechanism Size 70

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*									
		0.50	0.75	1.00	2.00	2.50	3.00	4.00	6.00	8.00	10.00
2 Hours	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
1 Hour	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
30 Min.	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
15 Min.	1750	....	....	....	190	160	140	100	72	56	46
	1160	....	....	450	230	165	155	118	....	....	....
	870	800	700	500	....	....	....	....	....	....	....
10 Min.	1750	....	....	....	170	140	120	83	60	41	36
	1160	....	....	320	190	143	133	90	....	....	....
	870	500	400	330	....	....	....	....	....	....	....
5 Min.	1750	....	....	....	105	85	74	54	38	29	23
	1160	....	....	200	120	88	80	60	....	....	....
	870	250	230	210	....	....	....	....	....	....	....
2 Min.	1750	....	....	....	58	45	39	30	21	16	13
	1160	....	....	80	60	49	45	36	....	....	....
	870	100	100	100	....	....	....	....	....	....	....
1 Min.	1750	....	....	....	36	29	25	19	13	10	8
	1160	....	....	45	38	33	28	23	....	....	....
	870	50	50	50	....	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used

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ENGINEERING/TECHNICAL

FLEXIDYNE

SCF FLEXIDYNE Mechanism Used In A C-Flex Module

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*						
		0.50	1.00	1.50	2.00	2.50	3.00	3.60
2 Hours	1750	140	90	70	56	50	44	37
1 Hour	1750	140	90	70	56	50	44	37
30 Min.	1750	140	90	70	56	50	44	37
15 Min.	1750	140	90	70	56	50	44	37
10 Min.	1750	125	80	60	48	42	39	32
5 Min.	1750	74	46	46	29	26	23	20
2 Min.	1750	30	19	15	12	10	8	5
1 Min.	1750	15	10	5	3	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

Thermal Capacities
FLEXIDYNE Mechanism Size 5

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*					
		0.30	0.50	0.70	0.90	1.10	1.30
2 Hours	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
1 Hour	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
30 Min.	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
15 Min.	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
10 Min.	1750	300	200	150	116	105	94
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
5 Min.	1750	170	116	88	68	62	55
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
2 Min.	1750	70	47	35	27	25	22
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
1 Min.	1750	35	23	18	14	12	11
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used.

FLEXIDYNE

FLEXIDYNE Mechanism Size 55

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*								
		0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00
2 Hours	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
1 Hour	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
30 Min.	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
15 Min.	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
10 Min.	1750	....	....	96	67	60	52	47	43	40
	1160	190	130	110	82	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
5 Min.	1750	....	....	58	41	37	32	29	25	20
	1160	110	80	68	50	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
2 Min.	1750	....	....	30	23	20	17	15	13	10
	1160	60	40	35	28	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
1 Min.	1750	....	....	19	15	13	11	9	8	6
	1160	33	26	22	18	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....

FLEXIDYNE Mechanism Size 70

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*									
		0.50	0.75	1.00	2.00	2.50	3.00	4.00	6.00	8.00	10.00
2 Hours	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
1 Hour	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
30 Min.	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
15 Min.	1750	....	....	....	190	160	140	100	72	56	46
	1160	....	....	450	230	165	155	118	....	....	....
	870	800	700	500	....	....	....	....	....	....	....
10 Min.	1750	....	....	....	170	140	120	83	60	41	36
	1160	....	....	320	190	143	133	90	....	....	....
	870	500	400	330	....	....	....	....	....	....	....
5 Min.	1750	....	....	....	105	85	74	54	38	29	23
	1160	....	....	200	120	88	80	60	....	....	....
	870	250	230	210	....	....	....	....	....	....	....
2 Min.	1750	....	....	....	58	45	39	30	21	16	13
	1160	....	....	80	60	49	45	36	....	....	....
	870	100	100	100	....	....	....	....	....	....	....
1 Min.	1750	....	....	....	36	29	25	19	13	10	8
	1160	....	....	45	38	33	28	23	....	....	....
	870	50	50	50	....	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used

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ENGINEERING/TECHNICAL

FLEXIDYNE

FLEXIDYNE Mechanism Size 15

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*									
		10	20	30	40	50	60	70	80	90	100
2 Hours	1750	....	....	....	....	35	31	27	23	20	16
	1160	....	230	167	105	81	56	47	39	33	28
	870	560	300	200	145	....	....	....	....	....	....
1 Hour	1750	....	....	....	....	35	31	27	23	20	16
	1160	....	230	167	105	81	56	47	39	33	28
	870	560	300	200	145	....	....	....	....	....	....
30 Min.	1750	....	....	....	....	34	30	26	22	18	15
	1160	....	230	167	105	81	56	47	39	33	28
	870	460	240	160	120	....	....	....	....	....	....
15 Min.	1750	....	....	....	....	30	27	23	20	16	13
	1160	....	190	140	90	68	47	40	33	28	24
	870	350	170	125	90	....	....	....	....	....	....
10 Min.	1750	....	....	....	....	28	25	21	17	15	13
	1160	....	160	117	74	57	40	34	28	24	20
	870	260	130	95	68	....	....	....	....	....	....
5 Min.	1750	....	....	....	....	19	16	14	12	10	9
	1160	....	100	73	46	35	25	21	17	14	12
	870	160	80	60	42	....	....	....	....	....	....
2 Min.	1750	....	....	....	....	12	10	9	7	6	5
	1160	....	44	32	20	15	11	9	7	6	5
	870	85	42	32	22	....	....	....	....	....	....
1 Min.	1750	....	....	....	....	8	7	6	5	4	3
	1160	....	23	17	10	7	5	5	4	3	3
	870	53	25	19	14	....	....	....	....	....	....

Frequency of Starts	RPM	Starting Horsepower*									
		110	120	130	140	150	160	170	180	190	200
2 Hours	1750	15	14	13	12	11	10	9	9	8	8
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
1 Hour	1750	15	14	13	12	11	10	9	9	8	8
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
30 Min.	1750	14	13	12	11	10	10	9	9	8	7
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
15 Min.	1750	12	11	10	10	9	8	8	7	7	6
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
10 Min.	1750	12	11	10	9	8	8	7	7	6	6
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
5 Min.	1750	8	7	7	6	6	6	5	5	4	4
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
2 Min.	1750	5	4	4	3	3	....	....	....	....	....
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
1 Min.	1750	3	....	....	....	....	....	....	....	....	....
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed

* Starting HP is dependent on the amount of flow charge used.

Thermal capacities are shown for single cavity units. For duplex cavities, starting horsepower = (HP * Starting Torque%)/2

Caution: At these capacities, the housing temperature may reach 250 degrees F.

FLEXIDYNE

FLEXIDYNE Mechanism Size 18

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*							
		20	40	60	80	100	120	140	160
2 Hours	1160	....	....	....	....	60	49	38	33
	870	....	200	160	120	96	72	62	52
	720	600	370	220	160	....	....	....	....
1 Hour	1160	....	....	....	....	60	49	38	33
	870	....	200	160	120	96	72	62	52
	720	560	350	200	150	....	....	....	....
30 Min.	1160	....	....	....	....	56	45	35	30
	870	....	160	130	100	80	60	52	44
	720	450	280	160	120	....	....	....	....
15 Min.	1160	....	....	....	....	44	35	26	23
	870	....	115	94	72	58	45	38	32
	720	300	180	100	74	....	....	....	....
10 Min.	1160	....	....	....	....	32	26	20	17
	870	....	90	72	54	43	32	27	22
	720	200	120	66	48	....	....	....	....
5 Min.	1160	....	....	....	....	17	13	10	9
	870	....	44	35	27	21	16	13	11
	720	90	54	32	23	....	....	....	....
2 Min.	1160	....	....	....	....	7	5	4	4
	870	....	17	13	10	8	6	5	4
	720	35	21	12	8	....	....	....	....
1 Min.	1160	....	....	....	....	....	....	....	....
	870	....	8	6	5	4	3	.....	.....
	720	16	10	5	4	....	....		

Frequency of Starts	RPM	Starting Horsepower*						
		180	200	220	240	260	280	300
2 Hours	1160	28	25	22	20	18	16	14
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
1 Hour	1160	28	25	22	20	18	16	14
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
30 Min.	1160	26	23	20	18	17	15	13
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
15 Min.	1160	20	18	16	14	13	11	10
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
10 Min.	1160	15	13	12	10	9	8	7
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
5 Min.	1160	8	7	6	5	5	4	4
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
2 Min.	1160	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
1 Min.	1160	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used.

Thermal capacities are shown for single cavity units.
For duplex cavities, starting horsepower = (HP * Starting Torque%)/2

Caution: At these capacities, the housing temperature may reach 250 degrees F.

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FEATURES/BENEFITS

Fluid Coupling

- **Smoother and Shock Free Operation**
  - Motor starts under no load conditions
  - Smoother starts
- **More Efficient Design**
  - Permits use of standard NEMA Design B motors
  - Eliminate need for motors with special winding
  - Wound rotor motors not needed
- **Overload Protection**
  - Provides overload protection at overloads somewhat greater than starting torque
  - Protection devices to prevent damage to Fluid Couplings are available
- **Low Current Draw**
  - Less than twice the nameplate amperage during both starting and overload periods
  - Many electric utilities recommend Fluid Couplings
- **Increased Productivity**
  - Eliminates product spillage and machine damage due to harsh starts or jammed loads

NOMENCLATURE

Fluid Coupling

NOMENCLATURE

17 C KC P x 2-7/8”

FLUID COUPLING SIZE
17” APPROXIMATE ROTOR DIAMETER

DELAY FILL (OPTIONAL)

KC = COUPLING STYLE
KS = SHEAVE/DRIVE STYLE

P = PARA-FLEX PH ELEMENT
D = DRIVE STYLE
M = GEAR STYLE

FLUID COUPLING BORE

SELECTION

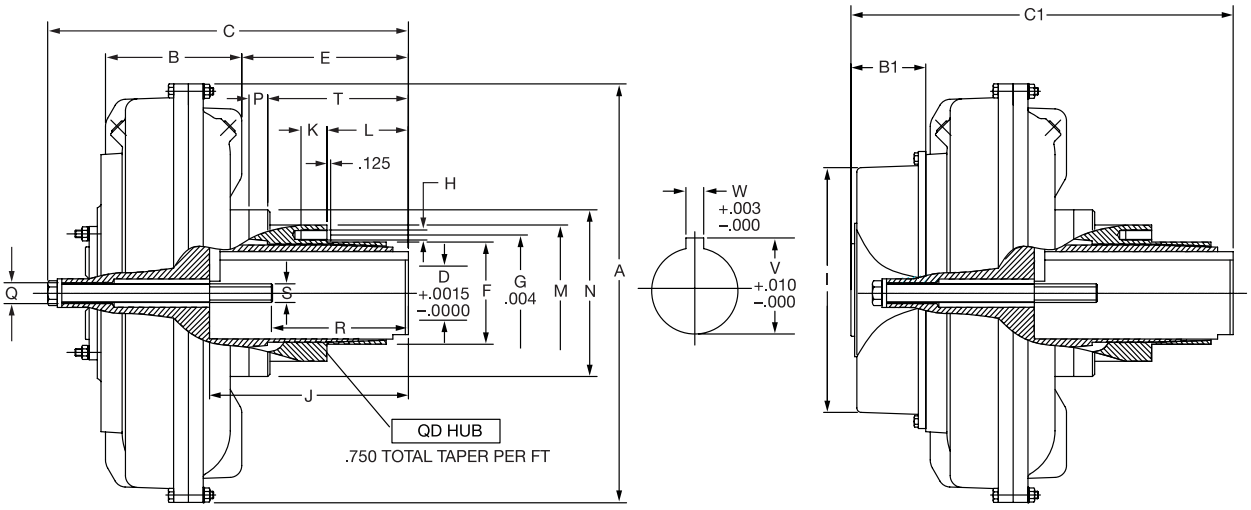
Fluid Coupling

Fluid Coupling Selection

HP	RPM		
	1800	1500	1200
5	8	8	9
7.50	8	9	11
10	8	9	12
15	9	11	12
20	11	12	13
25	11	12	13
30	11	12	15
40	12	13	15
50	13	15	17
60	13	15	17
75	15	15	17
100	15	17	19
125	17	19	21
150	17	19	21
200	19	21	24
250	21	21	24
300	21	24	27
350	21	24	27
400	24	24	27
500	24	27	29

SELECTION/DIMENSIONS

Fluid Coupling



KSD-QD

CKSD-QD

Dimensional Data Sheet - KSD & CKSD

Size	D Bore	A	KSD B	CKSD B1	KSD C Max	CKSD C1 Max	E	F	G	H #	H Dia	J	K	L	M	N	P	Q	R	S	T	QD Hub Size	Weight (lb) Less Oil KSD-QD	Weight (lb) Less Oil CKSD-QD	Oil U.S. Gal. max. KSD-QD	Oil U.S. Gal. max. CKSD-QD
7	1.375•	8.98	3.03		7.09	-	2.77	2.19	2.69	3	1/4-20	2.40	0.6	1.2	3.1	4.5	0.6	1/2-13 UNC			1.94	SDS	13.4		0.24	
	1.125																									
	0.875																									
8	1.375•	10.08	3.58		7.33	-	2.61	2.19	2.69	3	1/4-20	2.40	0.6	1.2	3.1	4.5	0.6	1/2-13 UNC			1.94	SDS	14.8		0.40	
	1.125																									
9	1.625•	11.61	3.78		9.80	-	3.98	2.81	3.31	3	5/16-18	3.31	0.7	1.5	3.9	5.0	1.0	3/4-10 UNC			2.48	SK	28.7		0.52	
	1.375																									
11	1.875•	12.80	4.21		10.20	11.39	3.86	3.13	3.88	3	3/8-16	4.00	0.8	1.5	4.6	5.5	0.8	3/4-10 UNC			2.76	SF	34.2		0.73	
	1.625																									
12	2.125•	14.57	4.80	3.15	11.56	13.05	5.10	3.83	5.00	3	1/2-13	4.25	1.1	1.9	6.0	6.1	0.9	3/4-10 UNC			3.98	E	50.7	57.2	1.08	1.27
	1.875																									
	1.625																									
13	2.375•	15.67	5.39	3.15	13.90	14.96	6.42	3.83	5.00	3	1/2-13	4.25	1.1	2.8	6.0	7.0	1.1	3/4-10 UNC			5.22	E	73.9	80.5	1.37	1.53
	2.125																									
	1.875																									
15	2.875•	18.11	5.95	3.62	15.60	16.70	7.13	4.44	5.63	3	9/16-12	7.00	1.2	3.9	6.6	8.0	1.38	7/8-9 UNC	5.35	3/4-10 UNC	5.43	F	107	115.8	2.02	2.27
	2.375											5.63							3.90							
17	3.375•	20.47	6.69	3.98	19.11	20.32	9.65	5.15	6.25	3	5/8-11	8.25	1.4	4.3	7.24	8.3	2.8	1 1/4-7 UNC	6.30	7/8-9 UNC	6.69	J	156	169.2	3.09	3.59
	2.875											7.00							5.00							
19	3.375•	22.24	7.48	3.98	18.17	20.32	8.86	5.15	6.25	3	5/8-11	8.25	1.4	4.3	7.24	8.98	1.77	1 18-7 UNC	6.30	7/8-9 UNC	6.69	J	174	187.2	3.75	4.36
	2.875											7.00							5.00							
21	3.875•	24.41	8.07	4.53	21.46	24.41	11.81	6.50	7.88	4	3/4-10	1.00	1.6	7.1	9.02	10.38	2.2	1 1/4-7 UNC	6.56	7/8-9 UNC	11.02	M	270	292	5.02	6.08
	3.375				19.88	22.84	10.24					0.88		5.5					6.51		9.45					
24	3.875•	27.95	9.02	4.53	21.46	24.41	10.87	6.50	7.88	4	3/4-10	1.00	1.6	7.1	9.02	10.38	1.4	1 1/4-7 UNC	6.56	7/8-9 UNC	11.02	M	307	329	7.50	8.24

• Max Bore

Fluid Coupling

Part Numbers

KSD Drive Accepts "Q" Style Sheave	
Part #	**Part Description**
118780	7 KSD-QD SDS W/ 1-1/8 COLLET
118781	8 KSD-QD SDS W/ 1-1/8 COLLET
118782	9 KSD-QD SK W/ 1-3/8 COLLET
118783	11 KSD-QD SF W/ 1-7/8 COLLET
118784	12 KSD-QD E W/ 2-1/8 COLLET
118785	13 KSD-QD E W/ 2-1/8 COLLET
118786	13 KSD-QD E W/ 2-3/8 COLLET
118648	15 KSD-QD F W/ 2-3/8 COLLET
118649	15 KSD-QD F W/ 2-7/8 COLLET
118650	17 KSD-QD J W/ 3-3/8 COLLET
118651	19 KSD-QD J W/ 3-3/8 COLLET
118652	21 KSD-QD M W/ 3-3/8 FINISH BORE
118653	24 KSD-QD M W/ 3-3/8 FINISH BORE

Delay Fill

CKSD Drive Accepts "Qd" Style Sheave	
Part #	**Part Description**
118654	11 CKSD-QD SF W/ 1-7/8 COLLET
118655	12 CKSD-QD E W/ 2-1/8 COLLET
118656	13 CKSD-QD E W/ 2-1/8 COLLET
118657	13 CKSD-QD E W/ 2-3/8 COLLET
118658	15 CKSD-QD F W/ 2-3/8 COLLET
118659	15 CKSD-QD F W/ 2-7/8 COLLET
118660	17 CKSD-QD J W/ 3-3/8 COLLET
118661	19 CKSD-QD J W/ 3-3/8 COLLET
118662	21 CKSD-QD M W/ 3-3/8 FINISH BORE
118663	24 CKSD-QD M W/ 3-3/8 FINISH BORE

KSD Drive Accepts Bolt-On Style Sheave	
Part #	**Part Description**
118787	15 KSD FLUID CPLG W/ 2-3/8 F.B.
118788	15 KSD FLUID CPLG W/ 2-7/8 F.B.
118789	15 KSD FLUID CPLG 2-3/8 COLLET
118790	15 KSD FLUID CPLG 2-7/8 COLLET
118792	17 KSD FLUID CPLG W/ 3-3/8 F.B.
118793	17 KSD FLUID CPLG 3-3/8 COLLET
118794	17 KSD FLUID CPLG 2-3/8 COLLET
118795	19 KSD FLUID CPLG W/ 3-3/8 F.B.
118796	19 KSD FLUID CPLG 3-3/8 COLLET
118797	21 KSD FLUID CPLG W/ 3-3/8 F.B.
118798	24 KSD FLUID CPLG W/ 3-3/8 F.B.

The motor shaft for sizes 15 KSD F.B. style and up must be tapped.

* For non-standard sheaves contact DODGE Drive Components.

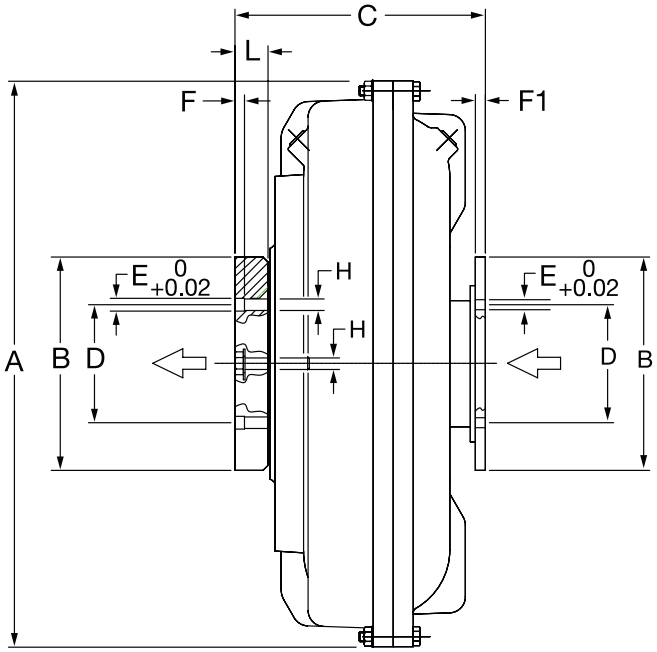
Collet Mount: Available on most sizes for ease of installation.

KSD Bolt-On Sheaves *		
Part Number	**KSD#**	**Description**
118740	15	3GR 5V 12.5
118743	15	4GR 5V 9.75
118744	15	4GR 5V 10.3
118745	15	4GR 5V 10.9
118746	15	4GR 5V 11.3
118747	15	4GR 5V 11.8

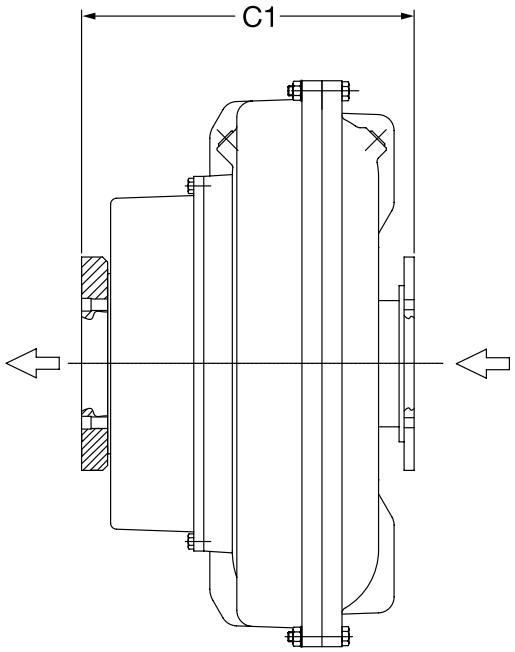
KSD Bolt-On Sheaves *		
Part Number	**KSD#**	**Description**
118750	17	4GR 5V 12.5
118755	17	5GR 5V 10.9
118746	17	5GR 5V 11.3
118757	17	5GR 5V 11.8
118758	17	5GR 5V 12.5
118759	17	5GR 5V 13.2
118762	17	6GR 5V 10.9
118763	17	6GR 5V 11.3
118749	17	4GR 5V 11.8
118764	19	6GR 5V 12.5
118765	19	6GR 5V 13.2
118769	19	8GR 5V 10.9
118770	19	8GR 5V 11.3
118771	19	8GR 5V 11.8
118772	21	5GR 8V 14.0
118774	21	6GR 8V 13.2
118775	21	6GR 8V 14.0
118776	21	8GR 8V 13.2
118777	21	8GR 8V 14.0
118778	24	8GR 8V 14.0
118779	24	10GR 8V 13.2

SELECTION/DIMENSIONS

Fluid Coupling



KCM



CKCM

Dimensional Data Sheet - KCM & CKCM

Size	A	B	C	C1	D	E	E	H	Gear Coupling	Weight (lb) Less Oil		Oil U.S. Gal. max.	
			KCM	CKCM		#	DIA		Size	KCM	CKCM	KCM	CKCM
7	8.98	4.57	5.51	-	3.75	6	0.25	1/4-28 UNF	1	16	-	0.24	-
8	10.08	4.57	5.71	-	3.75	6	0.25	1/4-28 UNF	1	18	-	0.34	-
9	11.61	6.00	7.44	-	4.81	8	0.38	3/8-24 UNF	1.5	31	-	0.52	-
11	12.80	6.00	7.80	9.61	4.81	8	0.38	3/8-24 UNF	1.5	35	-	0.73	-
12	14.65	6.00	7.80	10.43	4.81	8	0.38	3/8-24 UNF	1.5	46	53	1.08	1.27
13	15.67	6.00	8.80	11.14	4.81	8	0.38	3/8-24 UNF	1.5	62	68	1.37	1.53
15	18.11	8.39	9.88	12.56	7.13	6	0.62	5/8-11 UNC	2.5	104	112	2.02	2.27
17	20.47	8.39	10.83	13.98	7.13	6	0.62	5/8-11 UNC	2.5	146	159	3.09	3.59
19	22.24	8.39	10.83	13.98	7.13	6	0.62	5/8-11 UNC	2.5	165	178	3.75	4.36
21	24.41	9.45	12.44	16.38	8.13	8	0.62	5/8-11 UNC	2.3	240	262	5.02	6.08
24	28.11	9.45	12.44	16.38	8.13	8	0.62	5/8-11 UNC	2.3	285	306	7.50	8.24
27	30.71	11.02	16.06	20.71	9.50	8	0.75	3/4-10 UNC	3.5	454	505	11.09	13.21
29	33.86	11.02	17.2	21.85	9.50	8	0.75	3/4-10 UNC	3.5	562	613	14.53	16.65
34	39.37	12.52	19.8	24.96	11.00	8	0.75	3/4-10 UNC	4	960	978	21.80	24.44
46	52.36	18.0	-	-	15.75	14	0.88	7/8-11 UNC	6				

DODGE

Fluid Coupling
PART NUMBERS

Fluid Couplings

Part #	Part Description
118625	7 KCM - LESS 1.0SB GEAR COUPLING
118626	8 KCM - LESS 1.0SB GEAR COUPLING
118627	9 KCM - LESS 1.5SB GEAR COUPLING
118628	11 KCM - LESS 1.5SB GEAR COUPLING
118629	12 KCM - LESS 1.5SB GEAR COUPLING
118630	13 KCM - LESS 1.5SB GEAR COUPLING
118631	15 KCM - LESS 2.5EB GEAR COUPLING
118632	17 KCM - LESS 2.5EB GEAR COUPLING
118633	19 KCM - LESS 2.5EB GEAR COUPLING
118634	21 KCM - LESS 3.0EB GEAR COUPLING
118635	24 KCM - LESS 3.0EB GEAR COUPLING
118636	27 KCM - LESS 3.5EB GEAR COUPLING
118637	29 KCM - LESS 3.5EB GEAR COUPLING

* Gear Coupling Kit ordered separately (See below)

Delay Fill Fluid Couplings

Part #	Part Description
118638	11 CKCM - LESS 1.5SB GEAR COUPLING
118639	12 CKCM - LESS 1.5SB GEAR COUPLING
118640	13 CKCM - LESS 1.5SB GEAR COUPLING
118641	15 CKCM - LESS 2.5EB GEAR COUPLING
118642	17 CKCM - LESS 2.5EB GEAR COUPLING
118643	19 CKCM - LESS 2.5EB GEAR COUPLING
118644	21 CKCM - LESS 3.0EB GEAR COUPLING
118645	24 CKCM - LESS 3.0EB GEAR COUPLING
118646	27 CKCM - LESS 3.5EB GEAR COUPLING
118647	29 CKCM - LESS 3.5EB GEAR COUPLING

Gear Couplingss for KCM Fluid Coupling

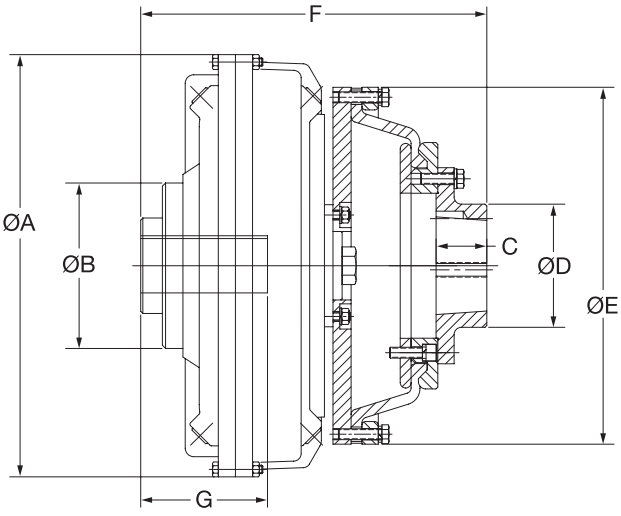
Part Numbers	Description
Fluid Coupling Size 7 - 8	
013110	DGF 1.0 FLEX HUB
012975	DGF 1.0 SLEEVE SB
012987	KCM/CKCM 7 - 8 HARDWARE KIT
Fluid Coupling Size 9 - 13	
013114	DGF 1.5 FLEX HUB
012976	DGF 1.5 SLEEVE SB
012988	KCM/CKCM 9 - 13 HARDWARE KIT
Fluid Coupling Size 15 - 24	
013122	DGF 2.5 FLEX HUB
012978	DGF 2.5 SLEEVE SB
012989	KCM/CKCM 15 - 24 HARDWARE KIT
Fluid Coupling Size 27 - 34	
013130	DGF 3.5 FLEX HUB
013131	DGF 3.5 SLEEVE EB
012990	KCM/CKCM 27 - 29 HARDWARE KIT

Gear couplings are required for shaft attachment. For a complete gear coupling attachment kit, please order - (2) flex hubs (reborable), (2) sleeves (includes seal), and (1) hardware kit.

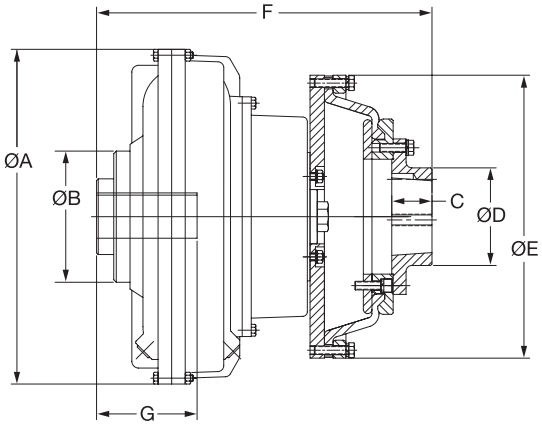
Size	Outside Diameter A	Flange Width J	Flange Thickness T	Hub Diameter F	Undercut Depth I	Undercut Diameter H	Hole Diameter U	Bolt Circle B.C.	Number of Bolts	Max Bore
	All Dimensions in Inches									
1 SB	4-9/16	1-21/32	9/16	3	3/32	2 -7/8	1/4	3-3/4	6	1.625”
1.5 SB	6	1-7/8	3/4	3-7/8	3/32	3-11/16	3/8	4-13/16	8	2.375”
2.5 SB	8-3/8	2-7/8	15/16	5-13/16	3/32	5-7/16	1/2	7	10	3.750”
3.5 EB	11	3-13/16	1-1/8	7-27/32	3/32	7-3/8	3/4	9-1/2	8	4.750”

SELECTION/DIMENSIONS

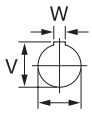
Fluid Coupling



KCP-CONSTANT FILL



CKCP-DELAY FILL



FLUID COUPLING BORE

Dimensional Data Sheet - KCP & CKCP

Size	Fluid Coupling Bore	A	B	C	D	E	F KCP	F CKCP	G	V +0.010 / -0.000	W	PH Element	PH Max Bore	TL Bushing	Max Torque (in-lb)	Max RPM
11	1.625	12.80	5.04	1.75	4.25	10.31	11.76		3.75	1.796	0.375	PH96	2 11/16	2517	2300	3300
	1.875								4.38	1.972	0.5					
12	1.625	14.57	5.71	1.75	4.25	12.31	11.71	14.37	3.75	1.796	0.375	PH116	2 11/16	2517	3150	3200
	1.875								4.38	1.972	0.5					
13	1.875	15.67	7.06	1.75	4.25	13.81	13.58	15.94	4.38	2.093	0.5	PH131	2 11/16	2517	4700	3000
	2.125								5.00	2.350	0.5					
	2.375								5.63	2.480	0.625					
15	2.125	18.11	8.00	3.50	7.69	18.31	18.36	21.04	5.00	2.350	0.5	PH172	3 15/16	3535	6600	2600
	2.375								5.63	2.651	0.625					
	2.875								7.00	2.992	0.75					
17	2.375	20.47	8.86	3.50	7.69	18.31	19.23	22.38	5.63	2.651	0.625	PH172	3 15/16	3535	9200	2400
	2.875								7.00	3.205	0.75					
	3.375								7.63	3.635	0.875					
19	2.375	22.24	8.86	3.50	7.69	18.31	19.23	22.38	5.63	2.651	0.625	PH172	3 15/16	3535	12900	2200
	2.875								7.00	3.205	0.75					
	3.375								7.63	3.635	0.875					
21	2.375	24.41	9.84	4.00	8.63	20.31	22.79	26.73	7.00	3.205	0.75	PH192	4 7/16	4040	17300	2000
	3.375								8.25	3.635	0.875					
24	2.875	27.95	9.84	4.00	8.63	20.31	22.79	26.73	7.00	3.205	0.75	PH192	4 7/16	4040	24500	1800
	3.375								8.25	3.760	0.875					
	3.875								8.50	4.106	1					

Fluid Coupling
PART NUMBERS

PX STYLE FLUID CPLG - INCLUDES ELEMENT *

Part #	Part Description
000423	11KCP X 1-5/8" FLUID CPLG-2517
000424	11KCP X 1-7/8" FLUID CPLG-2517
000426	12KCP X 1-5/8" FLUID CPLG-2517
000427	12KCP X 1-7/8" FLUID CPLG-2517
000429	13KCP X 1-7/8" FLUID CPLG-2517
000430	13KCP X 2-1/8" FLUID CPLG-2517
000431	13KCP X 2-3/8" FLUID CPLG-2517
000432	15KCP X 2-1/8" FLUID CPLG-3535
000433	15KCP X 2-3/8" FLUID CPLG-3535
000434	15KCP X 2-7/8" FLUID CPLG-3535
000435	17KCP X 2-3/8" FLUID CPLG-3535
000436	17KCP X 2-7/8" FLUID CPLG-3535
000437	17KCP X 3-3/8" FLUID CPLG-3535
000438	19KCP X 2-3/8" FLUID CPLG-3535
000439	19KCP X 2-7/8" FLUID CPLG-3535
000440	19KCP X 3-3/8" FLUID CPLG-3535
000441	21KCP X 2-3/8" FLUID CPLG-4040
000442	21KCP X 3-3/8" FLUID CPLG-4040
000443	24KCP X 2-3/8" FLUID CPLG-4040
000444	24KCP X 3-3/8" FLUID CPLG-4040
000445	24KCP X 3-7/8" FLUID CPLG-4040

Delay Fill

Part #	Part Description
000454	11CKCP X 1-5/8" FLUID CPLG-2517
000455	11CKCP X 1-7/8" FLUID CPLG-2517
000457	12CKCP X 1-5/8" FLUID CPLG-2517
000458	12CKCP X 1-7/8" FLUID CPLG-2517
000460	13CKCP X 1-7/8" FLUID CPLG-2517
000461	13CKCP X 2-1/8" FLUID CPLG-2517
000462	13CKCP X 2-3/8" FLUID CPLG-2517
000463	15CKCP X 2-1/8" FLUID CPLG-3535
000464	15CKCP X 2-3/8" FLUID CPLG-3535
000465	15CKCP X 2-7/8" FLUID CPLG-3535
000466	17CKCP X 2-3/8" FLUID CPLG-3535
000467	17CKCP X 2-7/8" FLUID CPLG-3535
000468	17CKCP X 3-3/8" FLUID CPLG-3535
000469	19CKCP X 2-3/8" FLUID CPLG-3535
000470	19CKCP X 2-7/8" FLUID CPLG-3535
000471	19CKCP X 3-3/8" FLUID CPLG-3535
000472	21CKCP X 2-3/8" FLUID CPLG-4040
000473	21CKCP X 3-3/8" FLUID CPLG-4040
000474	24CKCP X 2-3/8" FLUID CPLG-4040
000475	24CKCP X 3-3/8" FLUID CPLG-4040
000476	24CKCP X 3-7/8" FLUID CPLG-4040

Mounting of KCP and CKCP may require the motor shaft to be tapped.
Part #s include mechanism, element and coupling assembly.
* TAPER-LOCK bushing ordered separately.

SELECTION/DIMENSIONS

Replacement Fuse Plugs

Fluid Coupling Size (Range)	Part Number	Temperature
6	**019161**	290ºF
6	**019162**	350ºF
7 - 12	**019163**	290ºF
7 - 12	**019164**	350ºF
13 - 24	**019165**	290ºF
13 - 24	**019166**	350ºF
27 - 34	**019167**	290ºF
27 - 34	**019168**	350ºF

CONTENTS

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FEATURES/BENEFITS

TORQUE-TAMER

DODGE TORQUE-TAMER Clutches

Low cost overload protection that's a cinch to adjust.
Intermittent shock loads or drive overload conditions can stress reducers to a point of premature failure. DODGE TORQUE-TAMER clutches provide a simple, economical solution. When an overload occurs, the TORQUE-TAMER clutch is designed to slip, protecting the valuable reducer and other components in the drive train. Once the overload is cleared, the TORQUE-TAMER clutch automatically picks up the load.

A DODGE TORQUE-TAMER clutch is easily set to the required slip-protection torque level, using standard wrenches.

QUALITY FEATURES

- Non-asbestos friction discs
- Long-life bushing

New keyed bushing will not slip on the hub. Provides improved bearing surface for sprocket to ride on during overload slip. NOTE: Because of the possibility of excessive heat build-up, the TORQUE-TAMER clutch is not recommended for continuous slip duty.

EXCLUSIVE "EASY SET" ADJUSTMENT

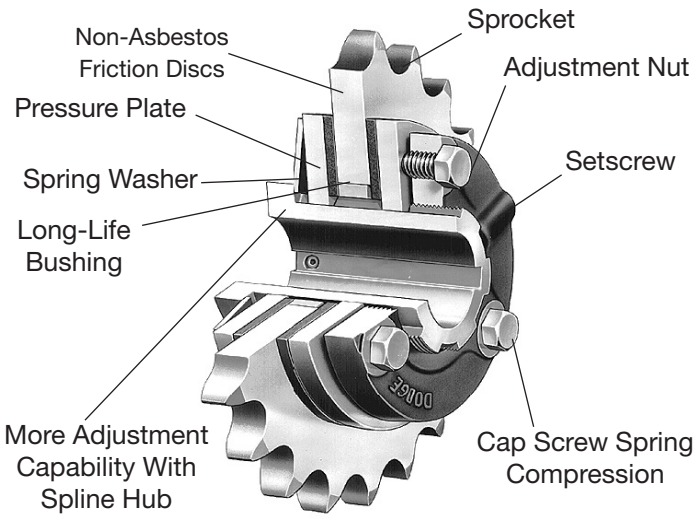
Torque adjustment is a simple matter, accomplished quickly! The need for hammer and block, brute strength and spanner wrenches is eliminated. No sweat. No wasted time.

For maximum torque, tighten the adjusting nut to finger tight and use a small wrench to tighten the three cap screws until the heads bottom out. For less torque, loosen the cap screws and set screws. Then back off the adjusting nut from one to seven spline notches, depending on the torque desired. Then retighten set screw and cap screws. Please consult Instruction Manual (MN4038) for complete details. This Instruction Manual is available on www.dodge-pt.com.

AUTOMATIC RESET

The DODGE TORQUE-TAMER clutch gives machinery permanent protection against overloads during starting, reversing or driving-by slipping at the desired load.

When an overload occurs, the driven member slips between long-life, clutch-type friction discs. After slipping has started, it will continue at approximately 90% of the torque setting, due to the lower coefficient of friction when slipping, until the overload condition has been corrected. It resumes driving without resetting when the overload is relieved.
For speeds above 500 rpm please consult Dodge Engineering at 864-284-5700



HIGHER TORQUE RATINGS

Spring design provides higher torque ratings for No. 35 and No. 50 TORQUE-TAMER clutches. This results in more uniform coverage between minimum and maximum torque range of the TORQUE-TAMER clutch.

APPLICATION VERSATILITY

DODGE TORQUE-TAMER clutches may be used with stock or special sprockets, gears, sheaves, flange or other driven members. It is recommended that the rubbing sides of the driven member be ground to provide a smooth rubbing surface of 65 to 125 micro-inches.

Higher torque ratings can be obtained by the use of a second spring nested within the original spring. (See torque rating table on page PT5-4.)

MINIMUM MAINTENANCE

The DODGE TORQUE-TAMER clutch is simple in design, compact, efficient, and built for long life. It provides low cost torque limiting service for a wide variety of applications. No lubrication. . . minimum maintenance.

TORQUE-TAMER clutches are supplied complete with friction discs and one spring. The following are ordered separately:
SPROCKET-Stock sizes shown on page PT5-6. Non-stock sizes can be furnished as reworked A-Plate sprockets listed in the sprocket section of the DODGE Engineering Catalog.
BUSHINGS-Specify size and width and/or part no. as tabulated.
EXTRA SPRING-Provides higher torque rating as tabulated. Second spring is nested into first spring.

TORQUE-TAMER

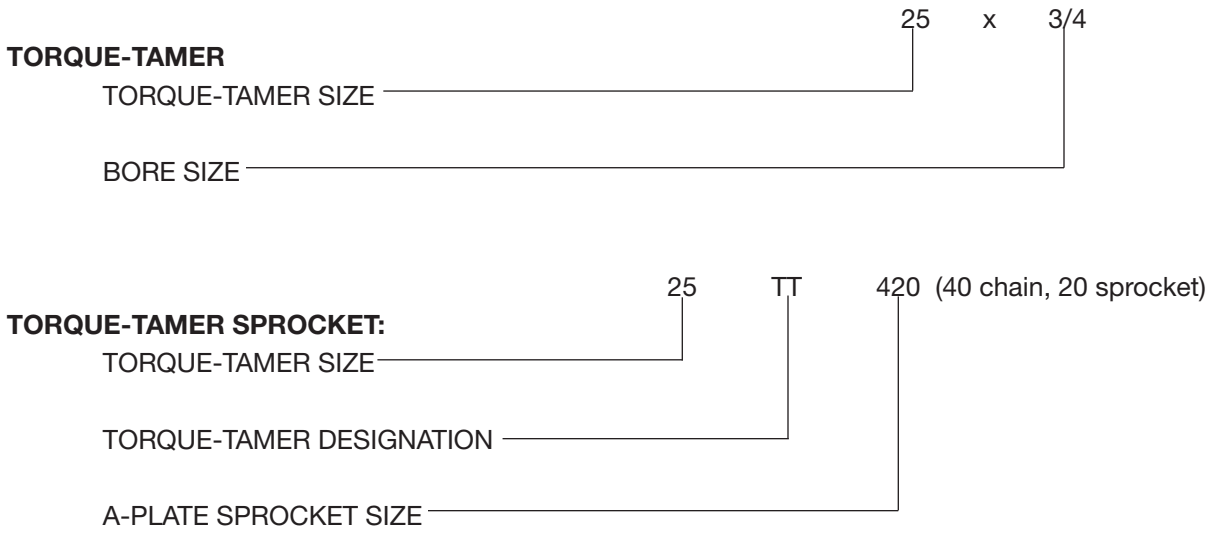
SPECIFICATION

The DODGE TORQUE-TAMER is a protective device that is designed to slip when overloaded, thus protecting the valuable reducer and other components in the drive train. Once the overload is cleared, the TORQUE-TAMER clutch will automatically re-engage. No resetting is required.

HOW TO ORDER

TORQUE-TAMER clutches are ordered by the size of the TORQUE-TAMER, the bore size of the unit, and the sprocket and bushing width required. The DODGE TORQUE-TAMER is supplied with the friction discs and one spring. The sprocket, bushings, and additional spring (if needed) must be ordered separately.

NOMENCLATURE



SELECTION/DIMENSIONS

TORQUE-TAMER

STEP 1: Determine torque at which clutch should limit or slip.

$$T = \frac{HP \times 63025}{RPM} \times \text{Limit Factor}$$

Limit factor determines point at which TORQUE-TAMER should slip above nominal load.

STEP 2: Refer to Chart 1. Select the TORQUE-TAMER size that falls within the min./max torque range. Verify the max bore for the TORQUE-TAMER is within specification. This chart will also deter mine the number of springs required and the spline setting for the TORQUE-TAMER.

STEP 3: Refer to Chart 2 to verify the minimum number of sprocket teeth required for the TORQUE-TAMER sprocket. From Chart 2, also determine the bushing width required.

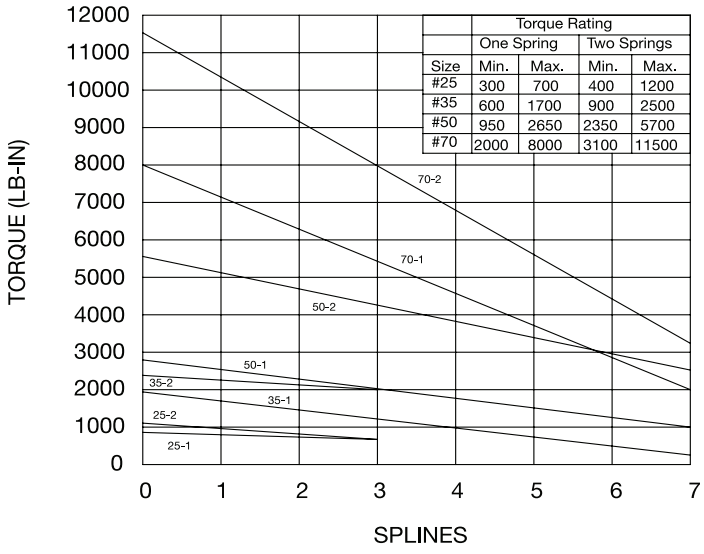
EXAMPLE: 3HP, RPM at TORQUE-TAMER 175, Needs TORQUE-TAMER to limit or slip at 150% of nominal torque.

1. Limit factor is 150%/100%=1.5

$$T = \frac{3HP \times 63025}{175\ RPM} \times 1.5 = 1{,}620\ \text{lb-in}$$

2. Select size from Chart 1. Minimum size is #35 TORQUE-TAMER. One spring will be sufficient, however, a second spring can be added for increased torque capability (should parameters of application required additional torque).

Chart 1 -



Size	Torque Rating One Spring Min.	One Spring Max.	Two Springs Min.	Two Springs Max.
#25	300	700	400	1200
#35	600	1700	900	2500
#50	950	2650	2350	5700
#70	2000	8000	3100	11500

Note

Graph indicates approximate rated torque vs. number of splines adjusting nut is backed off from finger tight.

Numbers on calibration lines indicate TORQUE-TAMER model and quantity of compression springs. Example: 35-2 is a model 35 TORQUE-TAMER with 2 springs.

3. Check Chart 2 for maximum bore and minimum sprocket teeth and bushing requirements.

CHART 2 - Minimum Allowable Sprocket Teeth• & Width of Bushing Required & Maximum Bore Capability

TORQUE-TAMER Size	Data:	Chain SizeŽ										Max Bore	
		#35 Chain	#41 Chain	#40 Chain	#50 Chain	#60 Chain	#80 Chain	#100 Chain	#120 Chain	#140 Chain	#160 Chain	Std. KW†	Shallow KW†
25	Minimum # Teeth	25	19 ▲	19 ▲	16 ▲	.....	.....	.....	.....	.....	.....	7/8	1
	Bushing Width Req'd	1/8	1/8	1/4	1/4	.....	.....	.....	.....	.....	.....		
35	Minimum # Teeth	34	26	26	21	18	15	.....	.....	.....	.....	1-3/16	1-1/4
	Bushing Width Req'd	1/8	1/8	1/4	1/4	3/8	3/8	.....	.....	.....	.....		
50	Minimum # Teeth	48	35	35	30	25	19	17	.....	.....	.....	1-3/16	2
	Bushing Width Req'd	1/8	1/8	1/4	1/4	3/8	3/8	1/2***	.....	.....	.....		
70	Minimum # Teeth	.....	.....	48	40	34	26	21	18	16	14	2-3/4	3
	Bushing Width Req'd	.....	.....	1/4	1/4	3/8	3/8	1/2	3/4*	3/4*	1**		

• Minimum number of teeth on sprocket which will permit chain to clear friction disc

▲ 20 teeth minimum recommended. Minimal clearance of 19 teeth may shorten life

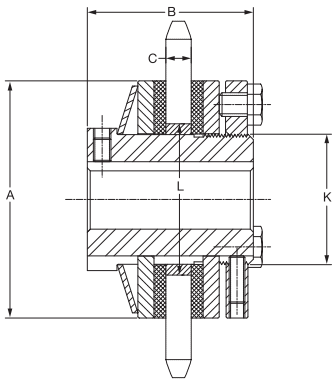
* Use two 3/8" wide bushings

** Use two 1/2" wide bushings

† Keyway to be cut central with threaded spline. For standard KW sizes refer to page PT1-74.

*** Use two 1/4" wide bushings

TORQUE-TAMER



TORQUE-TAMER Clutch Dimensions

TORQUE-TAMER Size	Avg. Wt.	A	B	C Min.	C Max.	K +.000 -.002 Spline O D	L +.003 -.000 Spkt. Bore	Max. Bore Std. Key*	Max. Bore Shallow Key*
25	1	2-1/2	1-3/4	1/8	11/32	1.368	1.628	7/8	1
35	2.5	3-1/2	2-7/16	1/8	5/8	1.675	2.003	1-3/16	1-1/4
50	6	5	2-7/8	1/8	5/8	2.625	3.005	1-3/4	2
70	18	7	3-7/8	1/4	1-1/4	3.811	4.194	2-3/4	3

* Keyway to be cut central with threaded spline.

Stock TORQUE-TAMER Clutches: Finished Bores & Reborable

Stock TORQUE-TAMER Clutches w/Finished Bore & Keyway

Reborable TORQUE-TAMER Clutches

Finished Bore			Reborable			
TORQUE-TAMER Size	Bore	Part Number	Bore (No KW & 1 ▲)	Part Number	Max Bore Standard KW*	Max Bore Shallow KW*
25	1/2	**096034**	1/2	**096033**	7/8	1
	5/8	**096035**				
	3/4	**096036**				
	7/8	**096037**				
35	3/4	**096008**	3/4	**096010**	1-3/16	1-1/4
	7/8	**096009**				
	1	**096011**				
50	1	**096014**	1	**096017**	1-3/4	2
	1-1/8	**096015**				
	1-3/16	**096018**				
	1-1/4	**096019**				
	1-3/8	**096020**				
	1-7/16	**096021**				
	1-1/2	**096022**				
	1-5/8	**096023**				
70	1-7/16	**096028**	1-3/8	**096027**	2-3/4	3
	1-1/2	**096029**				
	1-3/4	**096030**				
	1-15/16	**096031**				
	2	**096032**				
	2-3/16	**096038**				
	2-7/16	**096016**				

▲ With standard Keyway and (1) Setscrew.

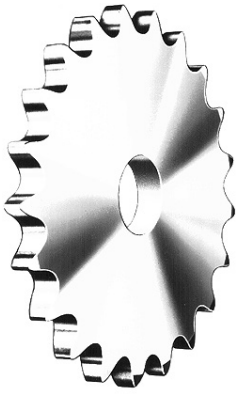
* Keyway to be cut central with threaded spline. For standard KW sizes refer to page PT1-74.

FEATURES/BENEFITS PAGE PT5-2 | SPECIFICATION/HOW TO ORDER PAGE PT5-3

SELECTION/DIMENSIONS

TORQUE-TAMER

TORQUE-TAMER Sprocket



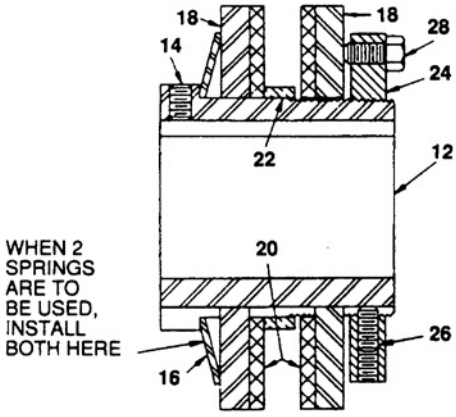
Stock TORQUE-TAMER sprockets are bored to fit TORQUE-TAMER clutches. Sprocket faces are machined smooth and parallel to provide proper interface with friction discs. Rubbing sides are micro ground to 65 to 125 micro-inches.

Standard A-Plate sprockets can also be reworked for use with TORQUE-TAMER clutches. Refer to DODGE List price Book for modifications charges.

Stock TORQUE-TAMER Sprockets Bored and Micro Ground

#25 TORQUE-TAMER					#35 TORQUE-TAMER				
Chain Size	No. Teeth	Descrip.	Part No	Bushing Part No *	Chain Size	No. Teeth	Descrip.	Part No	Bushing Part No *
40	19	25TT419	**096135**	**096051**	40	26	35TT426	**096150**	**096056**
40	20	25TT420	**096136**	**096051**	50	21	35TT521	**096151**	**096056**
40	21	25TT421	**096137**	**096051**	50	22	35TT522	**096152**	**096056**
40	23	25TT423	**096138**	**096051**	50	23	35TT523	**096153**	**096056**
50	16	25TT516	**096139**	**096051**	50	25	35TT525	**096154**	**096056**
50	17	25TT517	**096140**	**096051**	60	18	35TT618	**096155**	**096057**
50	18	25TT518	**096141**	**096051**	60	19	35TT619	**096156**	**096057**
50	19	25TT519	**096142**	**096051**	60	20	35TT620	**096157**	**096057**
50	21	25TT521	**096143**	**096051**	60	21	35TT621	**096158**	**096057**
50	23	25TT523	**096144**	**096051**	60	23	35TT623	**096159**	**096057**
#50 TORQUE-TAMER					**#70 TORQUE-TAMER**				
Chain Size	No. Teeth	Descrip.	Part No	Bushing Part No *	Chain Size	No. Teeth	Descrip.	Part No	Bushing Part No *
50	30	50TT530	**096165**	**096063**	60	35	70TT635	**096175**	**096071**
60	25	50TT625	**096166**	**096064**	80	26	70TT826	**096176**	**096071**
60	26	50TT626	**096167**	**096064**	80	27	70TT827	**096177**	**096071**
80	19	50TT819	**096168**	**096064**	100	21	70TT1021	**096178**	**096072**
80	20	50TT820	**096169**	**096064**	100	22	70TT1022	**096179**	**096072**
80	21	50TT821	**096170**	**096064**					
80	23	50TT823	**096171**	**096064**					

*** Bushing Ordered Separately**



TORQUE-TAMER Clutch Extra Items

TORQUE-TAMER Size	Part Number for Bushing Width of:				Part Number for Extra Spring
	1/8"	1/4"	3/8"	1/2"	
25	**096050**	**096051**	.....	.....	**096039**
35	**096055**	**096056**	**096057**	.....	**096041**
50	**096062**	**096063**	**096064**	.....	**096042**
70	.....	**096070**	**096071**	**096072**	**096043**
Reference #	**22**				**16**

TORQUE-TAMER Replacement Parts

Reference#	No. Req'd	Name of Part	Part Numbers			
			Size 25	Size 35	Size 50	Size 70
12	1	Hub Assembly	**N/A**	**N/A**	**N/A**	**N/A**
14	1	Hub Set Screw	**N/A**	**N/A**	**N/A**	**N/A**
18	2	Pressure Plate	**391371**	**391375**	**391379**	**391383**
20	1	• Friction Discs	**096065**	**096066**	**096067**	**096068**
24	1	Adjusting Nut Assembly	**391372**	**391376**	**391380**	**391384**
26	1	▲ Adjusting Nut Set Screws	.....	.....	.....	.....
28	3	▲ Tension Screw	**391373**	**391377**	**391381**	**391385**

• Sold in packs of 2 only

▲ Included in preceding assembly

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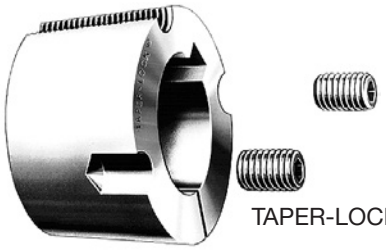
FEATURES/BENEFITS

TAPER-LOCK Bushings

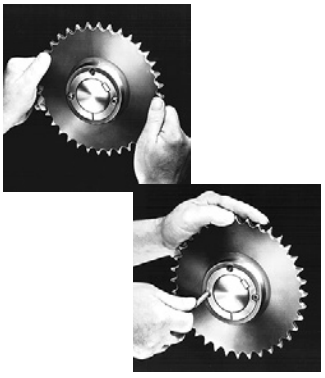


TAPER-LOCK Keyway-type Bushing

TAPER-LOCK Integral Key Bushing

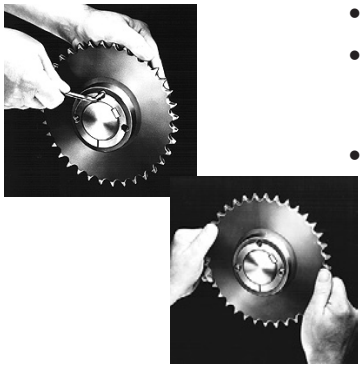
- Clean, Compact Design
- An Industry Standard for over 40 years
- Easy-on, Easy-off
- 8° Taper-Grips Tight, Holds Tight, Runs True, No Wobble
- Total System Concept: Bushings, Hubs, Adapters and Products
- World-Wide Acceptance and Availability
- Flush Mounting-No Protruding Parts
- Diamond ® Integral Key for Added Value and Convenience

Simple Mounting



Easy On

- Insert bushing into sprocket
- Match holes (not threads).
- Put screws into holes that are farthest apart
- Slip entire unit onto shaft
- Set drive alignment and tighten screws



Easy Off

- Take both screws out entirely
- Insert one screw into hole that is threaded in the bushing only
- Use as jackscrew to disengage bushing

IMPORTANT!

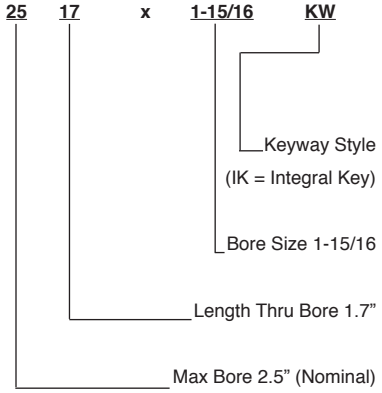
Do not use lubricants or anti-seize compounds on tapered bore, bushing suitcase, shaft or screws. Complete installation instructions are available on www.dodge-pt.com.

DODGE TAPER-LOCK BUSHING WITH INTEGRAL KEY

- Popular bore sizes, 1008 thru 2517
- Capitalizes on proven DODGE sintered steel technology
- Convenience: No more fumbling with a separate key and setscrew over the key.
  Integral key cannot work loose or fall out.
- More Secure fit: Clearances between key and bushing are automatically eliminated, providing a more precise fit. Provides full key even in maximum bore sizes. . . No more “shallow keyseat” compromise.
- Cost Reduction: Eliminates labor cost associated with installing key and separate key, and associated inventory expense.
- Engineered and Tested Design: Integral key concept thoroughly analyzed, including computerized Finite Element Analysis (FEA), for stress evaluation. Extensive laboratory testing included static and dynamic loading on customized machinery. Results demonstrated in successful field applications.

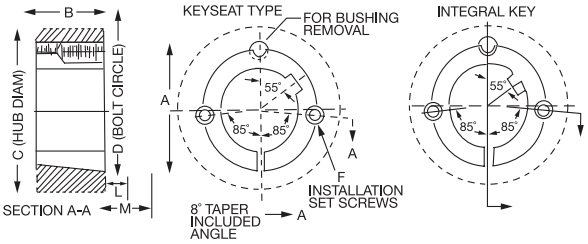
Example Nomenclature

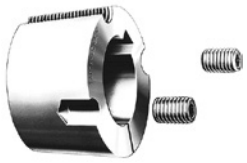
TAPER-LOCK Bushing



SPECIFICATION

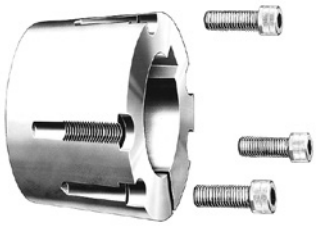
TAPER-LOCK Bushings - Dimensions



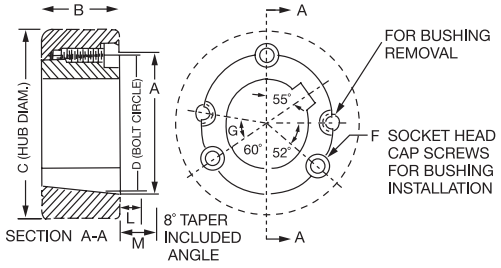


Dimensions For 1008 Thru 3030 TAPER-LOCK Bushings

Bush No.	Ratings (LB-IN)		A	B	C Hub Dia ■		D	F †		L ●		M ★	
	Torque Capacity ◆	Wrench Torque Install Screws			CL 30	Steel		Qty	Size	Std Hex Key	Short Key ▲	Std. Hex Key	Short Key ▲
1008	1200	55	1.39	0.87	2.19	1.94	1.33	2	1/4 X 1/2	1.13	0.63	1.25	0.75
1108	1300	55	1.51	0.87	2.31	2.06	1.45	2	1/4 X 1/2	1.13	0.63	1.25	0.75
1210	3600	175	1.87	1.00	3.25	2.88	1.75	2	3/8 X 5/8	1.38	0.81	1.63	1.10
1215	3550	175	1.87	1.50	2.88	2.63	1.75	2	3/8 X 5/8	1.38	0.81	1.63	1.10
1310	3850	175	2.00	1.00	3.38	3.00	1.88	2	3/8 X 5/8	1.38	0.81	1.63	1.10
1610	4300	175	2.25	1.00	3.63	3.25	2.13	2	3/8 X 5/8	1.38	0.81	1.63	1.10
1615	4300	175	2.25	1.50	3.25	3.00	2.13	2	3/8 X 5/8	1.38	0.81	1.63	1.10
2012	7150	280	2.75	1.25	4.38	3.88	2.63	2	7/16 X 7/8	1.56	0.94	2.00	1.38
2517	11600	430	3.38	1.75	4.88	4.38	3.25	2	1/2 X 1	1.63	1.00	2.25	1.63
2525	11300	430	3.38	2.50	4.50	4.25	3.25	2	1/2 X 1	1.63	1.00	2.25	1.63
3020	24000	800	4.25	2.00	6.25	5.63	4.00	2	5/8 X 1-1/4	1.81	1.19	2.69	2.10
3030	24000	800	4.25	3.00	5.75	5.38	4.00	2	5/8 X 1-1/4	1.81	1.19	2.69	2.10



3535 thru 5050 Size



Dimensions For 3525 Thru 5050 TAPER-LOCK Bushings

Bush No.	Ratings (LB-IN)		A	B	C Hub Dia ■		D	F †		G	L ●		M ★	
	Torque Capacity ◆	Wrench Torque Install Screws			CL 30	Steel		Qty	Size		Std Hex Key	Short Key ▲	Std. Hex Key	Short Key ▲
3525	44800	1000	5.00	2.50	7.00	6.50	4.83	3	1/2 X 1-1/2	39	2.00	1.31	3.38	2.69
3535	44800	1000	5.00	3.50	7.00	6.50	4.83	3	1/2 X 1-1/2	39	2.00	1.31	3.38	2.69
4030	77300	1700	5.75	3.00	8.50	7.75	5.54	3	5/8 X 1-3/4	39	2.39	1.63	4.13	3.38
4040	77300	1700	5.75	4.00	8.50	7.75	5.54	3	5/8 X 1-3/4	40	2.39	1.63	4.13	3.38
4535	110000	2450	6.38	3.50	9.50	8.75	6.13	3	3/4 X 2	40	2.63	1.94	4.75	4.10
4545	110000	2450	6.38	4.50	9.50	8.75	6.13	3	3/4 X 2	40	2.63	1.94	4.75	4.10
5040	126000	3100	7.00	4.00	10.50	9.50	6.72	3	7/8 X 2-1/4	37	2.81	2.31	5.25	4.81
5050	126000	3100	7.00	5.00	10.50	9.50	6.72	3	7/8 X 2-1/4	37	2.81	2.31	5.25	4.81

Note: For dimensions required for machining hubs, consult factory.

■ Hub diameter required depends on the application. Hub diameter shown is based on 30,000 P.S.I. minimum ultimate tensile strength.

◆ Important: refer to service factor information on page PT6-4.

● Space required to tighten bushing. Also space required to loosen screws to permit removal of hub by puller.

★ Space required to remove bushing using jackscrews-no puller required

▲ Standard hex key cut to minimum usable length.

† Use in position shown in drawing above for tightening bushing on shaft. When loosening bushing remove screws and use all except one in the other holes.

Note: Installation and maintenance instructions for Dodge products available at www.dodge-pt.com

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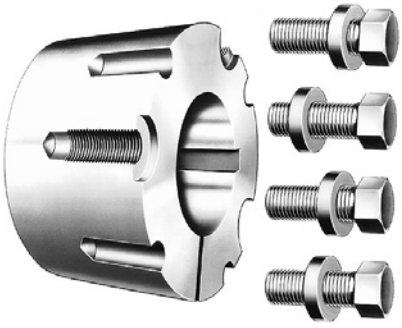
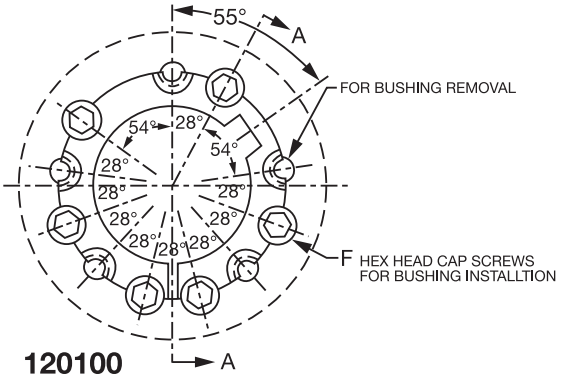
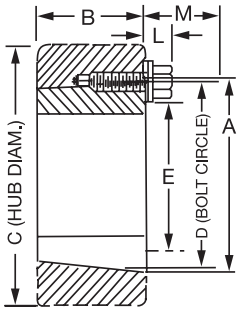
SPECIFICATION

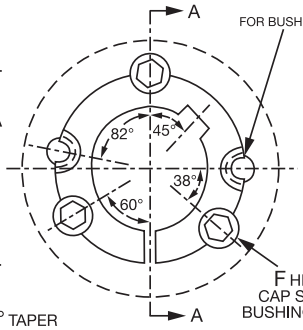
TAPER-LOCK Bushings - Dimensions

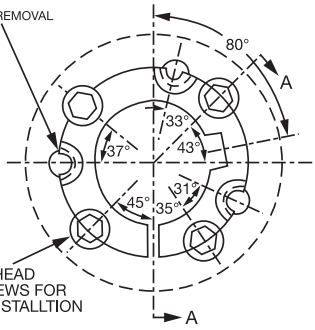
6050 thru 120100 Sizes











Dimensions For 6050 Thru 120100 TAPER-LOCK Bushings

Bush No.	Ratings (LB-IN)		A	B	C Hub Dia		D	E	F		L	M
	Torque Capacity ◆	Wrench Torque Install Screws			CL 30	Steel			Qty	Size		
6050	282000	7820	9.25	5.00	15.50	13.50	9.00	6.75	3	1-1/4 X 3-1/2	1.63	4.38
7060	416000	7820	10.25	6.00	17.00	14.80	10.00	7.75	4	1-1/4 X 3-1/2	1.63	4.38
8065	456000	7820	11.25	6.50	17.50	15.50	11.00	8.75	4	1-1/4 X 3-1/2	1.63	4.38
10085	869000	13700	14.75	8.50	22.00	19.50	14.50	11.75	4	1-1/2 X 4-1/4	2.00	5.38
120100	1520000	13700	17.25	10.00	26.00	23.00	17.00	14.25	6	1-1/2 X 4-1/4	2.00	5.38

Note: For dimensions required for machining hubs, consult factory.

■ Hub diameter required depends on the application. Hub diameter shown is based on 30,000 P.S.I. minimum ultimate tensile strength.

† Use in position shown in drawing above for tightening bushing on shaft. When loosening bushing remove screws and use all except one in the other holes.

● Space required to tighten bushing. Also space required to loosen screws to permit removal of hub by puller.

★ Space required to loosen bushing using screws as jackscrews - no puller required.

◆ Peak torque loads must not exceed torque capacity rating shown. Capacity values shown are for light starting and steady running conditions. For more severe duty, divide torque capacity by service factor suggested in following table.

Service Factor	Type of Loading
1.00	Light Starting & Steady Running
1.50	Light Starting & Uneven Running
2.00	Fairly Heavy Starting & Steady Or Uneven Running
2.50	Light or Heavy Starting & Moderate Shock Running
3.00	Light or Heavy Starting & Severe Shock Running, or Reversing Loads

SPECIFICATION

TAPER-LOCK Bushings - Stock Bore

TL Bush Size	Bore	P/N Integral Key	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
	1/2"		**119176**	0.3	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16"		**119177**	0.3			
	5/8"		**117073**	0.3	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16"		**119179**	0.2			
	3/4"	**119180**	**117150**	0.2			
	13/16"		**119181**	0.2			
	7/8"	**119182**	**117074**	0.2			
	15/16" #		**119183**	0.2	1/4 x 1/16	1/4 x 1/8	1/4 x 3/16 Δ
1008	1" #	**119184**	**117151**	0.2			
	14MM		**119565**	0.3	5 x 2.3MM	5 x 5.3MM	5 x 5MM
	16MM		**119566**	0.3			
	18MM		**119575**	0.3	6 x 2.8MM	6 x 3.5MM	6 x 6MM
	19MM		**119569**	0.3			
	20MM		**119576**	0.3			
	22MM		**119577**	0.2			
	24MM		**119567**	0.2	8 x 1.3MM	8 x 4MM	8 X 7MM
	25MM		**119568**	0.2			
	1/2"		**119365**	0.3	1/8 x 1/4	1/8 x 1/4	1/8 x 1/8
	9/16"		**119366**	0.3			
	5/8"	**119367**	**117075**	0.3	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16"		**119368**	0.2			
	3/4"		**117152**	0.2			
	13/16"		**119370**	0.2			
	7/8"	**119371**	**117076**	0.2			
	15/16"		**119372**	0.2	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"		**117153**	0.2			
1108	1-1/16" #		**119374**	0.2	1/4 x 1/16	1/4 x 1/8	1/4 x 3/16 Δ
	1-1/8" #		**117077**	0.1			
	14MM		**119651**	0.3	5 x 2.3MM	5 x 5.3MM	5 x 5MM
	16MM		**119652**	0.3			
	18MM		**119653**	0.3	6 x 2.8MM	6 x 3.5MM	6 x 6MM
	19MM		**119570**	0.3			
	20MM		**119579**	0.3			
	22MM		**119580**	0.3			
	24MM		**119581**	0.2	8 X 3.3MM	8 X 4MM	8 X 7MM
	25MM		**119582**	0.2			
	1/2"		**119191**	0.6	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16"		**119192**	0.6			
	5/8"		**117078**	0.6	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16"		**119194**	0.5			
	3/4"	**119195**	**117154**	0.5			
	13/16"		**119196**	0.5			
	7/8"	**119197**	**117079**	0.5			
	15/16"		**119198**	0.5	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"	**119199**	**117155**	0.5			
	1-1/16"		**119200**	0.4			
	1-1/8"	**119201**	**117080**	0.4			
1210	1-3/16"		**117156**	0.4			
	1-1/4"		**117157**	0.4			
	14MM		**119583**	0.6	5 x 2.3MM	5 x 5.3MM	5 x 5MM
	16MM		**119654**	0.6			
	18MM		**119584**	0.5	6 x 2.8MM	6 x 3.5MM	6 x 6MM
	19MM		**119571**	0.5			
	20MM		**119585**	0.5			
	22MM		**119655**	0.5			
	24MM		**119586**	0.5	8 X 3.3MM	8 X 4MM	8 X 7MM
	25MM		**119587**	0.4			
	28MM		**119588**	0.4			
	30MM		**119589**	0.4			
	32MM		**119590**	0.4	10 X 3.3MM	10 X 5MM	10 X 8MM

TL Bush Size	Bore	P/N Integral Key	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
	1/2"		**119001**	0.9	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16"		**119002**	0.9			
	5/8"		**119003**	0.8	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16"		**119004**	0.8			
	3/4"		**119005**	0.8			
	13/16"		**119006**	0.8			
1215	7/8"		**119007**	0.8			
	15/16"		**119008**	0.8	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"		**119009**	0.7			
	1-1/16"		**119010**	0.6			
	1-1/8"		**119011**	0.6			
	1-3/16"		**119012**	0.5			
	1-1/4"		**119013**	0.5			
	1/2"		**119390**	0.7	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16"		**119391**	0.7			
	5/8"		**119392**	0.7	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16"		**119393**	0.7			
	3/4"		**119394**	0.7			
	13/16"		**119395**	0.7			
	7/8"		**119396**	0.7			
	15/16"		**119397**	0.6	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"		**119398**	0.6			
	1-1/16"		**119399**	0.6			
	1-1/8"		**119400**	0.6			
	1-3/16"		**119401**	0.6			
	1-1/4"		**119402**	0.6			
1310	1-5/16" #		**119403**	0.6	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8" #		**119404**	0.6			
	1-7/16" +		**119438**	0.6	3/8 x 1/8	3/8 x 3/16	3/8 x 5/16 Δ
	14MM		**119656**	0.7	5 x 2.3MM	5 x 5.3MM	5 x 5MM
	16MM		**119657**	0.7			
	18MM		**119658**	0.7	6 x 2.8MM	6 x 3.5MM	6 x 6MM
	19MM		**119572**	0.7			
	20MM		**119659**	0.6			
	22MM		**119660**	0.6			
	24MM		**119591**	0.6	8 X 3.3MM	8 X 4MM	8 X 7MM
	25MM		**119592**	0.5			
	28MM		**119593**	0.5			
	30MM		**119594**	0.5			
	32MM		**119595**	0.4	10 X 3.3MM	10 X 5MM	10 X 8MM
	35MM		**119596**	0.4			
	1/2"		**119211**	0.9	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16"		**119212**	0.9			
	5/8"	**119213**	**117081**	0.9	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16"		**119214**	0.9			
	3/4"	**119215**	**117158**	0.9			
	13/16"		**119216**	0.9			
	7/8"	**119217**	**117082**	0.8			
	15/16"		**117083**	0.8	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"	**119219**	**117159**	0.8			
	1-1/16"		**119220**	0.8			
1610	1-1/8"	**119221**	**117084**	0.7			
	1-3/16"	**119222**	**117160**	0.7			
	1-1/4"	**119223**	**117161**	0.7			
	1-5/16"		**119224**	0.6	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8"	**119225**	**117085**	0.6			
	1-7/16"	**119226**	**117162**	0.6	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"	**119227**	**117163**	0.5			
	1-9/16" #		**119228**	0.5	3/8 x 1/8	3/8 x 3/16	3/8 x 5/16 Δ
	1-5/8" #	**119229**	**117086**	0.5			
	1-11/16" +		**117071**	0.5			
	14MM		**119661**	0.9	5 x 2.3MM	5 x 5.3MM	5 x 5MM
	16MM		**119662**	0.9			

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TL Bush Size	Bore	P/N Integral Key	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
1610 (cont)	18MM		119663	0.9	6 x 2.8MM	6 x 3.5MM	6 x 6MM
	19MM		119573	0.8			
	20MM		119598	0.8			
	22MM		119236	0.8			
	24MM		119599	0.8	8 X 3.3MM	8 X 4MM	8 X 7MM
	25MM		119600	0.7			
	28MM		119601	0.7			
	30MM		119602	0.7			
	32MM		119603	0.6	10 X 3.3MM	10 X 5MM	10 X 8MM
	35MM		119604	0.6			
	38MM		119605	0.5			
	40MM		119606	0.5	12 X 3.3MM	12 X 5MM	12 X 8MM
	42MM +		393002	0.5			
1615	1/2"		119040	1.3	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16"		119041	1.3			
	5/8"		119042	1.3	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16"		119043	1.2			
	3/4"		119044	1.2			
	13/16"		119045	1.2			
	7/8"		119046	1.1			
	15/16"		119047	1.1	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"		119048	1.1			
	1-1/16"		119049	1			
	1-1/8"		119050	1			
	1-3/16"		119051	1			
	1-1/4"		119052	0.9			
	1-5/16"		119053	0.8	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8"		119054	0.8			
	1-7/16"		119055	0.7	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"		119056	0.7			
	1-9/16" #		119057	0.7	3/8 x 1/8	3/8 x 3/16	3/8 x 5/16 Δ
	1-5/8" #		119058	0.6			
	1-11/16" +		119068	0.6			
	25MM		119039	0.7	8 X 3.3MM	8 X 4MM	8 X 7MM
	35MM		119038	0.7	10 X 3.3MM	10 X 5MM	10 X 8MM
2012	1/2"		119241	1.7	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16"		119242	1.7			
	5/8"		117087	1.7	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16"		119244	1.7			
	3/4"		117088	1.7			
	13/16"		119246	1.7			
	7/8"		117089	1.6			
	15/16"	119249	119248	1.6	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"		117164	1.6			
	1-1/16"		119250	1.6			
	1-1/8"		117090	1.5			
	1-3/16"	119252	117165	1.5			
	1-1/4"	119253	117166	1.4			
	1-5/16"		119254	1.3	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8"		117091	1.2			
	1-7/16"	119256	117167	1.2	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"	119257	117168	1.2			
	1-9/16"		119258	1.2			
	1-5/8"		117092	1.2			
	1-11/16"		117093	1.1			
	1-3/4"		117094	1			
	1-13/16"		119262	1	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-7/8"		117095	0.9			

TL Bush Size	Bore	P/N Integral Key	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
2012 (cont)	1-15/16" #		117169	0.9	1/2 x 3/16	1/2 x 1/4	1/2 x 7/16 Δ
	2" #		117170	0.9			
	2-1/8" +		117177	0.9			
	14MM		119664	1.7	5 x 2.3MM	5 x 5.3MM	5 x 5MM
	16MM		119665	1.7			
	18MM		119666	1.6	6 x 2.8MM	6 x 3.5MM	6 x 6MM
	19MM		119574	1.6			
	20MM		119607	1.6			
	22MM		119667	1.6			
	24MM		119608	1.5	8 X 3.3MM	8 X 4MM	8 X 7MM
	25MM		119609	1.5			
	28MM		119610	1.5			
	30MM		119611	1.4			
	32MM		119612	1.4	10 X 3.3MM	10 X 5MM	10 X 8MM
	35MM		119613	1.3			
	38MM		119614	1.3			
	40MM		119615	1.2	12 X 3.3MM	12 X 5MM	12 X 8MM
	42MM		119616	1.1			
	45MM		119617	1	14 X 3.8MM	14 X 5.5MM	14 X 9MM
	48MM		119668	0.9			
2517	1/2"		119100	3.7	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	5/8"		119102	3.6	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16"		119103	3.5			
	3/4"		119104	3.4			
	13/16"		119105	3.4			
	7/8"		119106	3.3			
	15/16"		119107	3.3	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"		119108	3.3			
	1-1/16"		119109	3.2			
	1-1/8"		119110	3.2			
	1-3/16"		119111	3.2			
	1-1/4"		119112	3.2			
	1-5/16"		119113	3.1	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8"		119114	3.1			
	1-7/16"	119144	119115	3	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"		119116	2.9			
	1-9/16"		119117	2.9			
	1-5/8"		119118	2.8			
	1-11/16"		119119	2.8			
	1-3/4"		119120	2.7			
	1-13/16"	119123 119124	119121	2.6	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-7/8"		119122	2.5			
	1-15/16"		117173	2.4			
	2"		117174	2.3			
	2-1/16"		119125	2.3			
	2-1/8"		117096	2.2			
	2-3/16"		117175	2.1			
	2-1/4"		117097	2			
	2-5/16"		119129	1.9	5/8 x 3/16	5/8 x 5/16	5/8 x 1/2 Δ
	2-3/8"		117098	1.9			
	2-7/16" #		117176	1.8			
	2-1/2" #		117099	1.8			
	2-5/8" +		117111	1.8			
	2-11/16" +		117115	1.8			
	14MM		119669	3.6	5 x 2.3MM	5 x 5.3MM	5 x 5MM
	16MM		119670	3.6			
	18MM		119671	3.5	6 x 2.8MM	6 x 3.5MM	6 x 6MM
	19MM		119672	3.4			
	20MM		119618	3.4			
	22MM		119619	3.3			
	24MM		119620	3.3	8 X 3.3MM	8 X 4MM	8 X 7MM
	25MM		119621	3.2			
	28MM		119622	3.1			
	30MM		119623	3.1			

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TAPER-LOCK Bushings - Stock Bore

TL Bush Size	Bore	P/N Integral Key	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
2517 (cont)	32MM		**119624**	3	10 X 3.3MM	10 X 5MM	10 X 8MM
	35MM		**119625**	2.9			
	38MM		**119626**	2.9			
	40MM		**119627**	2.8	12 X 3.3MM	12 X 5MM	12 X 8MM
	42MM		**119628**	2.6			
	45MM		**119629**	2.5	14 X 3.8MM	14 X 5.5MM	14 X 9MM
	48MM		**119630**	2.4			
	50MM		**119640**	2.3			
	55MM		**119641**	2	16 X 4.3MM	16 X 6MM	16 X 10MM
	60MM		**119642**	1.7	18 X 4.4MM	18 X 7MM	18 X 11MM
	65MM		**119643**	1.4			

TL Bush Size	Bore	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
2525	3/4"	**119304**	4.9	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	7/8"	**119306**	4.8			
	15/16"	**119307**	4.8	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"	**119308**	4.8			
	1-1/8"	**119310**	4.6			
	1-3/16"	**119311**	4.5			
	1-1/4"	**119312**	4.4			
	1-3/8"	**119314**	4.2	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-7/16"	**119315**	4.2	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"	**119316**	4			
	1-5/8"	**119318**	3.8			
	1-11/16"	**119319**	3.8			
	1-3/4"	**119320**	3.7			
	1-13/16"	**119321**	3.2	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-7/8"	**119322**	3.4			
	1-15/16"	**119323**	3.2			
	2"	**119324**	3.1			
	2-1/8"	**119326**	2.9			
	2-3/16"	**119327**	2.5			
	2-1/4"	**119328**	2.3	5/8 x 3/16	5/8 x 5/16	5/8 x 1/2 Δ
	2-5/16"	**119329**	2			
	2-3/8"	**119330**	2			
	2-7/16"	**119331**	2			
	2-1/2"	**119332**	2			
3020	7/8"	**117103**	6.5	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	15/16"	**117101**	6.5	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"	**117102**	6.5			
	1-1/8"	**117104**	6.4			
	1-3/16"	**117105**	6.4			
	1-1/4"	**117106**	6.3			
	1-5/16"	**117107**	6.1	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8"	**117108**	6			
	1-7/16"	**117109**	6	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"	**117110**	5.9			
	1-9/16"	**117135**	5.9			
	1-5/8"	**117112**	5.9			
	1-11/16"	**117113**	5.7			
	1-3/4"	**117114**	5.6			
	1-13/16"	**117136**	5.5	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-7/8"	**117116**	5.4			
	1-15/16"	**117117**	5.3			
	2"	**117118**	5.2			
	2-1/16"	**117119**	5			
	2-1/8"	**117120**	5			
	2-3/16"	**117121**	4.9			
	2-1/4"	**117122**	4.8			

TL Bush Size	Bore	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
3020 (cont)	2-5/16"	**117137**	4.6	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-3/8"	**117124**	4.5			
	2-7/16"	**117125**	4.4			
	2-1/2"	**117126**	4.3			
	2-5/8"	**117128**	4			
	2-11/16"	**117129**	3.9			
	2-3/4"	**117130**	3.7			
	2-13/16"	**117139**	3.7	3/4 x 1/4	3/4 x 3/8	3/4 x 5/8 Δ
	2-7/8"	**117132**	3.6			
	2-15/16" #	**117133**	3.6			
	3" #	**117134**	3.4			
	3-1/8" +	**117178**	3.3			
	3-3/16" +	**117179**	3.3			
	3-1/4" +	**117180**	3.3			
	24MM	**119673**	6.5	8 X 3.3MM	8 X 4MM	8 X 7MM
	25MM	**119674**	6.5			
	28MM	**119675**	6.4			
	30MM	**119676**	6.4			
	32MM	**119677**	6.3	10 X 3.3MM	10 X 5MM	10 X 8MM
	35MM	**119678**	6			
	38MM	**119679**	5.9			
	40MM	**119680**	5.9	12 X 3.3MM	12 X 5MM	12 X 8MM
	42MM	**119681**	5.8			
	45MM	**119682**	5.6	14 X 3.8MM	14 X 5.5MM	14 X 9MM
	48MM	**119644**	5.5			
	50MM	**119645**	5.2			
	55MM	**119646**	5	16 X 4.3MM	16 X 6MM	16 X 10MM
	60MM	**119647**	4.9	18 X 4.4MM	18 X 7MM	18 X 11MM
	65MM	**119648**	4.3			
	70MM	**119649**	3.7	20 X 4.9MM	20 X 7.5MM	20 X 12MM
	75MM	**119650**	3.5			
	80MM +	**117721**	4	22 X 5.4MM	22 X 9MM	22 X 14MM
3030	15/16"	**117004**	10	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"	**117005**	9.4			
	1-1/8"	**117007**	9.4			
	1-3/16"	**117008**	9.2			
	1-1/4"	**117009**	9			
	1-5/16"	**117010**	8.9	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8"	**117011**	8.8			
	1-7/16"	**117012**	8.6	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"	**117013**	8.5			
	1-9/16"	**117014**	8.4			
	1-5/8"	**117015**	8.2			
	1-11/16"	**117016**	8			
	1-3/4"	**117017**	7.8			
	1-13/16"	**117018**	7.6	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-7/8"	**117019**	7.5			
	1-15/16"	**117020**	7.4			
	2"	**117021**	7.3			
	2-1/16"	**117022**	7.2			
	2-1/8"	**117023**	7.1			
	2-3/16"	**117024**	6.9			
	2-1/4"	**117025**	6.7			
	2-5/16"	**117026**	6.6	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-3/8"	**117027**	6.4			
	2-7/16"	**117028**	6.2			
	2-1/2"	**117029**	6.1			
	2-5/8"	**117031**	6			
	2-11/16"	**117032**	5.9			
	2-3/4"	**117033**	5.6			
	2-7/8"	**117035**	5.3	3/4 x 1/8	3/4 x 3/8	3/4 x 1/2 Δ
	2-15/16" #	**117036**	5			
	3" #	**117037**	4.9			
	3-1/8" +	**117181**	4.7			
	3-3/16" +	**117182**	4.7			
	3-1/4" +	**117183**	4.7	3/4 x 1/4	3/4 x 3/8	3/4 x 5/8 Δ
	28MM	**119808**	9.4	8 X 3.3MM	8 X 4MM	8 X 7MM
	32MM	**119809**	9	10 X 3.3MM	10 X 5MM	10 X 8MM
	38MM	**119810**	8.4			
	48MM	**119811**	7.6	14 X 3.8MM	14 X 5.5MM	14 X 9MM

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TAPER-LOCK Bushings - Stock Bore

TL Bush Size	Bore	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
3030 (cont)	55MM	**119812**	6.9	16 X 4.3MM	16 X 6MM	16 X 10MM
	60MM	**119813**	6.4	18 X 4.4MM	18 X 7MM	18 X 11MM
	80MM +	**119895**	4	22 X 5.4MM	22 X 9MM	22 X 14MM
3525	1-3/16"	**119702**	16	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1-1/4"	**119703**	14.6			
	1-5/16"	**119791**	14.6	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8"	**119704**	14.3			
	1-7/16"	**119734**	14.2	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"	**119705**	14			
	1-9/16"	**119792**	14			
	1-5/8"	**119735**	14			
	1-11/16"	**119706**	13.9			
	1-3/4"	**119707**	13.4			
	1-13/16"	**119793**	13.3	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-7/8"	**119708**	13.2			
	1-15/16"	**119709**	13			
	2"	**119710**	13			
	2-1/8"	**119711**	12.6			
	2-3/16"	**119712**	12.4			
	2-1/4"	**119713**	12.3			
	2-5/16"	**119736**	12.2	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-3/8"	**119714**	12			
	2-7/16"	**119715**	11.7			
	2-1/2"	**119716**	11.5			
	2-9/16"	**119795**	11.4			
	2-5/8"	**119717**	11.1			
	2-11/16"	**119718**	10.7			
	2-3/4"	**119719**	10.4			
	2-13/16"	**119796**	10.3	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-7/8"	**119720**	10.1			
	2-15/16"	**119721**	10.5			
	3"	**119722**	9.5			
	3-1/16"	**119797**	9.4			
	3-1/8"	**119723**	9.3			
	3-3/16"	**119724**	8.6			
	3-1/4"	**119725**	8.8			
	3-5/16"	**119737**	8.6	7/8 x 1/8	7/8 x 7/16	7/8 x 9/16 Δ
	3-3/8"	**119726**	8.5	7/8 x 3/16	7/8 x 7/16	7/8 x 5/8 Δ
	3-7/16"	**119727**	8.2			
	3-1/2"	**119728**	8			
	3-9/16"	**119798**	8			
	3-5/8" #	**119729**	7.9			
	3-11/16" #	**119730**	7.9			
	3-3/4" #	**119731**	7.9			
	3-13/16" #	**119799**	7.9	1 x 1/4	1 x 1/2	1 x 3/4 Δ
	3-7/8" #	**119732**	7.9			
	3-15/16" #	**119733**	7.9			
3535	1-3/16"	**117207**	15.2	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1-1/4"	**117208**	14.9			
	1-3/8"	**117209**	14.8	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-7/16"	**117210**	14.6	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"	**117211**	14.4			
	1-5/8"	**117212**	14.1			
	1-11/16"	**117213**	14			
	1-3/4"	**117214**	14			
	1-7/8"	**117215**	13.6	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-15/16"	**117216**	13.4			
	2"	**117217**	13.1			
	2-1/8"	**117218**	12.6			
	2-3/16"	**117219**	12.4			
	2-1/4"	**117220**	12.2			

TL Bush Size	Bore	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
3535 (cont)	2-5/16"	**117237**	12	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-3/8"	**117221**	11.7			
	2-7/16"	**117222**	11.7			
	2-1/2"	**117223**	11			
	2-5/8"	**117224**	10.9			
	2-11/16"	**117225**	10.7			
	2-3/4"	**117226**	10			
	2-7/8"	**117227**	9.8	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-15/16"	**117228**	9.7			
	3"	**117229**	9.2			
	3-1/8"	**117230**	9.2			
	3-3/16"	**117231**	8.8			
	3-1/4"	**117232**	8.7			
	3-5/16"	**117236**	8.6	7/8 x 1/8	7/8 x 7/16	7/8 x 9/16 Δ
	3-3/8"	**117233**	8.7			
	3-7/16"	**117234**	8.3	7/8 x 3/16	7/8 x 7/16	7/8 x 5/8 Δ
	3-1/2"	**117235**	8			
	3-5/8" #	**117707**	7.1	7/8 x 1/4	7/8 x 7/16	7/8 x 11/16 Δ
	3-11/16" #	**117708**	6.8	7/8 x 3/16	7/8 x 7/16	7/8 x 5/8 Δ
	3-3/4" #	**117709**	6.4			
	3-7/8" #	**117710**	6	1 x 1/4	1 x 1/2	1 x 3/4 Δ
	3-15/16" #	**117703**	5.6			
	32MM	**119814**	14.6	10 X 3.3MM	10 X 5MM	10 X 8MM
	38MM	**119815**	14			
	48MM	**119816**	13.2	14 X 3.8MM	14 X 5.5MM	14 X 9MM
	50MM	**117738**	13			
	55MM	**119817**	11.1	16 X 4.3MM	16 X 6MM	16 X 10MM
	60MM	**119683**	11.1	18 X 4.4MM	18 X 7MM	18 X 11MM
	65MM	**117737**	11			
	75MM	**117722**	10	20 X 4.9MM	20 X 7.5MM	20 X 12MM
	80MM	**117297**	10	22 X 5.4MM	22 X 9MM	22 X 14MM
	85MM	**393170**	10			
	90MM	**426013**	10	25 X 5.4MM	25 X 9MM	25 x 14MM
	95MM	**426013**	10			
4030	1-7/16"	**119738**	24	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"	**119739**	22			
	1-9/16"	**119770**	21.9			
	1-5/8"	**119740**	21.8			
	1-11/16"	**119771**	21.5			
	1-3/4"	**119772**	21.2			
	1-13/16"	**119773**	21	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-7/8"	**119774**	20.9			
	1-15/16"	**119775**	20.7			
	2"	**119741**	20.6			
	2-1/16"	**119776**	20.6			
	2-1/8"	**119742**	20.7			
	2-3/16"	**119743**	20.4			
	2-1/4"	**119744**	20.1			
	2-5/16"	**119777**	20	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-3/8"	**119745**	19.5			
	2-7/16"	**119746**	19.3			
	2-1/2"	**119778**	19.2			
	2-9/16"	**119779**	19.1			
	2-5/8"	**119747**	19			
	2-11/16"	**119780**	18.4			
	2-3/4"	**119748**	17.7			
	2-13/16"	**119781**	17.5	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-7/8"	**119749**	17.2			
	2-15/16"	**119750**	17.2			
	3"	**119751**	17			
	3-1/16"	**119782**	16.8			
	3-1/8"	**119752**	16.5			
	3-3/16"	**119783**	15.9			
	3-1/4"	**119753**	15.4			

Δ Key furnished for these sizes ONLY
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SPECIFICATION

TAPER-LOCK Bushings - Stock Bore

TL Bush Size	Bore	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
4030 (cont)	3-5/16"	**119784**	14.9	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-3/8"	**119754**	14.6			
	3-7/16"	**119755**	14.1			
	3-1/2"	**119756**	13.4			
	3-9/16"	**119785**	13.3			
	3-5/8"	**119757**	13.2			
	3-11/16"	**119786**	13			
	3-3/4"	**119758**	12.7	7/8 x 3/16	7/8 x 7/16	7/8 x 5/8 Δ
	3-13/16"	**119787**	12.7	1 x 1/2	1 x 1/2	1 x 1
	3-7/8"	**119759**	12.6	1 x 1/4	1 x 1/2	1 x 3/4 Δ
	3-15/16"	**119760**	12.6			
	4"	**119761**	12.6			
	4-1/8" #	**119788**	12.6			
	4-3/16" #	**119762**	12.6			
	4-1/4" #	**119763**	12.6			
	4-3/8" #	**119764**	12.6			
	4-7/16" #	**119765**	11.8			
4040	1-7/16"	**117310**	24	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"	**117311**	22			
	1-5/8"	**117312**	22			
	1-11/16"	**117313**	21.9			
	1-3/4"	**117314**	21.9			
	1-7/8"	**117315**	21	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-15/16"	**117316**	21.2			
	2"	**117317**	21.1			
	2-1/8"	**117318**	20.6			
	2-3/16"	**117319**	20.3			
	2-1/4"	**117320**	20.2			
	2-3/8"	**117321**	19.6	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-7/16"	**117322**	19.3			
	2-1/2"	**117323**	18.8			
	2-5/8"	**117324**	18.7			
	2-11/16"	**117325**	18.3			
	2-3/4"	**117326**	18.2			
	2-13/16"	**117267**	17.8	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-7/8"	**117327**	17.5			
	2-15/16"	**117328**	17.2			
	3"	**117329**	16.8			
	3-1/8"	**117330**	16.2			
	3-3/16"	**117331**	15.8			
	3-1/4"	**117332**	15.5			
	3-3/8"	**117333**	14.8	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-7/16"	**117334**	14.4			
	3-1/2"	**117335**	14			
	3-5/8"	**117337**	13.5			
	3-11/16"	**117340**	13.5	7/8 x 3/16	7/8 x 7/16	7/8 x 5/8 Δ
	3-3/4"	**117336**	13.5			
	3-7/8"	**117341**	12.9	1 x 1/4	1 x 1/2	1 x 3/4 Δ
	3-15/16"	**117338**	12.5			
	4"	**117352**	12			
	4-1/8" #	**117714**	11.2			
	4-3/16" #	**117715**	10.7			
	4-1/4" #	**117716**	10.3			
	4-3/8" #	**117717**	9.5			
	4-7/16" #	**117704**	8.9			
	48MM	**119818**	21	14 X 3.8MM	14 X 5.5MM	14 X 9MM
	55MM	**119819**	20.4	16 X 4.3MM	16 X 6MM	16 X 10MM
	60MM	**119820**	19.5	18 X 4.4MM	18 X 7MM	18 X 11MM
	75MM	**117723**	10	20 X 4.9MM	20 X 7.5MM	20 X 12MM
	80MM	**117724**	10	22 X 5.4MM	22 X 9MM	22 X 14MM
	90MM	**117726**	10	25 X 5.4MM	25 X 9MM	25 x 14MM
	95MM	**117725**	10			
	100MM	**117729**	10	28 X 6.4MM	28 X 10MM	28 X 16MM

TL Bush Size	Bore	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
4535	1-15/16"	**114765**	31	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	2"	**114766**	29.7			
	2-1/16"	**114767**	29.5			
	2-1/8"	**114768**	29.3			
	2-3/16"	**114769**	29			
	2-1/4"	**114770**	28.8			
	2-5/16"	**114771**	28.6	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-3/8"	**114772**	27.4			
	2-7/16"	**114773**	28			
	2-1/2"	**114774**	26.7			
	2-9/16"	**114775**	26.4			
	2-5/8"	**114776**	25.9			
	2-11/16"	**114777**	25.4			
	2-3/4"	**114778**	25			
	2-13/16"	**114779**	24.9	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-7/8"	**114780**	24.8			
	2-15/16"	**114781**	24.2			
	3"	**114782**	24.2			
	3-1/16"	**114783**	24.2			
	3-1/8"	**114784**	24.1			
	3-3/16"	**114785**	23.8			
	3-1/4"	**114786**	23.1			
	3-5/16"	**114787**	22.7	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-3/8"	**114788**	22.4			
	3-7/16"	**114789**	21.5			
	3-1/2"	**114790**	21.3			
	3-9/16"	**114791**	21.1			
	3-5/8"	**114792**	21			
	3-11/16"	**114793**	20.3			
	3-3/4"	**114794**	19.9			
	3-13/16"	**114795**	19.6	1 x 1/2	1 x 1/2	1 x 1
	3-7/8"	**114796**	19.3			
	3-15/16"	**114797**	18.9			
	4"	**114798**	18.7			
	4-1/8"	**114799**	18.6			
	4-3/16"	**114800**	18.5			
	4-1/4"	**114801**	17.8			
	4-3/8"	**114802**	16.8	1 x 1/4	1 x 1/2	1 x 3/4 Δ
	4-7/16"	**114803**	15.4			
	4-1/2"	**114804**	15.3			
	4-3/4" #	**114805**	15.2	1-1/4 x 1/4	1-1/4 x 5/8	1-1/4 x 7/8 Δ
	4-7/8" #	**114806**	15.1			
	4-15/16" #	**114807**	14.9			
4545	1-15/16"	**117416**	29.9	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	2"	**117417**	29.8			
	2-1/8"	**117849**	29.8			
	2-3/16"	**117419**	29			
	2-3/8"	**117421**	28.2	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-7/16"	**117422**	27.9			
	2-1/2"	**117850**	27.5			
	2-5/8"	**117424**	27			
	2-3/4"	**117426**	26.5			
	2-7/8"	**117427**	25.7	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-15/16"	**117428**	25.3			
	3"	**117429**	25.2			
	3-1/8"	**117430**	24.3			
	3-3/16"	**117431**	24.2			
	3-1/4"	**117432**	23.9			
	3-3/8"	**117433**	22.8	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-7/16"	**117434**	22.6			
	3-1/2"	**117435**	22.1			
	3-5/8"	**117413**	21.2			
	3-3/4"	**117436**	20.3			
	3-7/8"	**117437**	19.5	1 x 1/2	1 x 1/2	1 x 1
	3-15/16"	**117438**	19			
	4"	**117439**	18.6			
	4-1/8"	**117444**	17.5			
	4-3/16"	**117443**	17.1			
	4-1/4"	**117441**	17			
	4-3/8"	**117442**	16.9	1 x 1/4	1 x 1/2	1 x 3/4

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SPECIFICATION

TAPER-LOCK Bushings - Stock Bore

TL Bush Size	Bore	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
4545 (cont)	4-7/16"	**117440**	16.5	1 x 1/4	1 x 1/2	1 x 3/4 Δ
	4-1/2"	**117447**	15.9			
	4-3/4" #	**117718**	13.9	1-1/4 x 1/4	1-1/4 x 5/8	1-1/4 x 7/8 Δ
	4-7/8" #	**117719**	12.9			
	4-15/16" #	**117705**	12.5			
5040	2-7/16"	**114865**	39.5	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-1/2"	**114866**	38.3			
	2-9/16"	**114867**	37.7			
	2-5/8"	**114868**	37.1			
	2-11/16"	**114869**	36.9			
	2-3/4"	**114870**	36.6			
	2-13/16"	**114871**	36.5	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-7/8"	**114872**	36.4			
	2-15/16"	**114873**	36.2			
	3"	**114874**	35.6			
	3-1/16"	**114875**	35.2			
	3-1/8"	**114876**	34.8			
	3-3/16"	**114877**	33.9			
	3-1/4"	**114878**	33.2			
	3-5/16"	**114879**	33	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-3/8"	**114880**	32.7			
	3-7/16"	**114881**	32			
	3-1/2"	**114882**	31.7			
	3-9/16"	**114883**	31.4			
	3-5/8"	**114884**	31.1			
	3-11/16"	**114885**	30.4			
	3-3/4"	**114886**	29.7			
	3-13/16"	**114887**	29.4	1 x 1/2	1 x 1/2	1 x 1
	3-7/8"	**114888**	29			
	3-15/16"	**114889**	28.7			
	4"	**114890**	27.8			
	4-1/8"	**114891**	27.5			
	4-3/16"	**114892**	27.2			
	4-1/4"	**114893**	27			
	4-3/8"	**114894**	26			
	4-7/16"	**114895**	25.1			
	4-1/2"	**114896**	23.6			
	4-3/4"	**114897**	22.9	1-1/4 x 1/4	1-1/4 x 5/8	1-1/4 x 7/8 Δ
	4-7/8"	**114898**	22.2			
	4-15/16"	**114899**	20.6			
	5"	**114900**	20.5			
5050	2-7/16"	**117458**	39	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-11/16"	**117450**	37.4			
	2-15/16"	**117459**	36	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	3-3/8"	**117452**	33	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-7/16"	**117460**	32.6			
	3-5/8"	**117453**	31.2			
	3-7/8"	**117454**	29.3	1 x 1/2	1 x 1/2	1 x 1
	3-15/16"	**117461**	28.6			
	4"	**117466**	28.3			
	4-1/4"	**117465**	26.2			
	4-3/8"	**117469**	25			
	4-7/16"	**117462**	24.4			
	4-1/2"	**117467**	23.9			
	4-5/8"	**117734**	23	1-1/4 x 1/4	1-1/4 x 5/8	1-1/4 x 7/8 Δ
	4-7/8"	**117468**	22.3			
	4-15/16"	**117463**	21.4			
	5"	**117464**	20.9			
	110MM	**117736**	26.2	28 X 6.4MM	28 X 10MM	28 X 16MM
6050	4-7/16"	**117474**	63.6	1 x 1/2	1 x 1/2	1 x 1
	4-15/16"	**117473**	58.2	1-1/4 x 5/8	1-1/4 x 5/8	1-1/4 x 1-1/4
	5-7/16"	**117475**	52.3			
	5-15/16"	**117476**	57.2	1-1/2 x 3/4	1-1/2 x 3/4	1-1/2 x 1-1/2
	6"	**117477**	46.4			

TL Bush Size	Bore	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
7060	4-15/16"	**117490**	92	1-1/4 x 5/8	1-1/4 x 5/8	1-1/4 x 1-1/4
	5-7/16"	**117491**	84.5			
	5-15/16"	**117492**	78.2	1-1/2 x 3/4	1-1/2 x 3/4	1-1/2 x 1-1/2
	6"	**117493**	76.6			
	6-7/16"	**117494**	68.1			
	6-1/2"	**117495**	68.7			
	6-15/16"	**117496**	62.1	1-3/4 x 3/4	1-3/4 x 3/4	1-3/4 x 1-1/2
	7" #	**117497**	60.6			
8065	5-7/16"	**117479**	98.6	1-1/4 x 5/8	1-1/4 x 5/8	1-1/4 x 1-1/4
	5-15/16"	**117480**	105.7	1-1/2 x 3/4	1-1/2 x 3/4	1-1/2 x 1-1/2
	6-7/16"	**117481**	102.3			
	6-1/2"	**117482**	101.8			
	6-15/16"	**117488**	92	1-3/4 x 3/4	1-3/4 x 3/4	1-3/4 x 1-1/2
	7"	**117483**	91.1			
	7-1/2"	**117503**	89.9			
	8" #	**117484**	89.9	2 x 3/4	2 x 3/4	2 x 1-1/2
10085	7"	**117486**	245	1-3/4 x 3/4	1-3/4 x 3/4	1-3/4 x 1-1/2
	8"	**117485**	219	2 x 3/4	2 x 3/4	2 x 1-1/2
	8-1/4"	**117411**	210			
	9"	**117487**	190			
	10"	**117510**	157.5	2-1/2 x 7/8	2-1/2 x 7/8	2-1/2 x 1-3/4
120100	8"	**117522**	410	2 x 3/4	2 x 3/4	2 x 1-1/2
	8-1/2"	**117523**	395			
	9"	**117520**	380			
	9-1/2"	**117524**	365	2-1/2 x 7/8	2-1/2 x 7/8	2-1/2 x 1-3/4
	10"	**117521**	350			
	10-1/2"	**117525**	335			
	11"	**117526**	320			
	11-1/2"	**117527**	305	3 x 1	3 x 1	3 x 2
	12" #	**117508**	290			

Δ Key furnished for these sizes ONLY
\+ These sizes are STEEL
\# Refer to torque capacity ratings on page PT6-3. If service factor of 2.0 or greater is required consult DODGE

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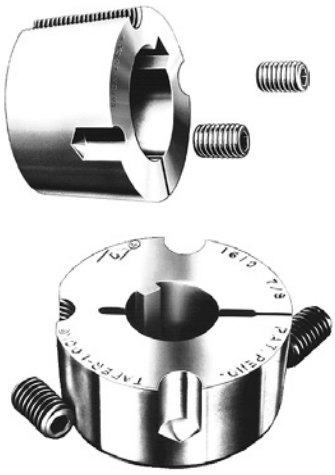
SPECIFICATION

TAPER-LOCK Bushings - Reborable



NOTE:
All reborable bushings are stocked without sawsplit to facilitate re-machining.
Sawsplit must be made in bushing to allow it to compress for proper gripping of the shaft. Factory rebore and keyseat service as listed in MLP price book includes sawsplit

TL Bush Size	Sintered Steel		Cast Iron		Ductile Iron		Steel		Stainless Steel	
	Bore	P/N	Bore	P/N	Bore	P/N	Bore	P/N	Bore	P/N
1008	1/2"	**119187**					1/2"	**119432**	1/2"	**119410**
1108	1/2"	**119361**					1/2"	**119433**	1/2"	**119411**
1210	1/2"	**119206**					1/2"	**119434**	1/2"	**119412**
1215	1/2"	**119023**					1/2"	**119435**	1/2"	**119413**
1310	1/2"	**119386**					1/2"	**119436**	1/2"	**119414**
1610	1/2"	**119209**					1/2"	**119421**	1/2"	**119415**
1615	1/2"	**119067**					1/2"	**119437**	1/2"	**119416**
2012	1/2"	**119272**					1/2"	**119422**	1/2"	**119417**
2517	1/2"	**119141**					1"	**119423**	5/8"	**119418**
2525							1-7/16"	**119429**		
3020	7/8"	**117147**					1-7/16"	**119430**	7/8"	**119419**
3020	1-11/16"	**117149**								
3030			15/16"	**117045**			1-7/16"	**119431**		
3525			1-3/16"	**119700**	1-3/16"	**119701**				
3535			1-3/16"	**117250**	1-7/16"	**117205**				
4030			1-7/16"	**119789**	1-15/16"	**119790**				
4040			1-7/16"	**117345**	1-15/16"	**117307**				
4535			1-15/16"	**119766**	2-7/16"	**119767**				
4545			1-15/16"	**117448**	2-7/16"	**117414**				
5040			2-7/16"	**119768**	2-15/16"	**119769**				
5050			2-7/16"	**117451**	2-15/16"	**117455**				
6050			3-7/16"	**117472**	3-7/16"	**117471**				
7060			3-15/16"	**117498**	3-15/16"	**117505**				
8065			4-7/16"	**117502**	4-7/16"	**117506**				
10085			7"	**117489**						
120100			8"	**117504**						

TAPER-LOCK Bushings - Maximum Bore Capacities (Inches)

TL Bush Size	Sintered Steel			Cast Iron			Ductile Iron			Steel		
	Full Key	Shallow Key	No * Key	Full Key	Shallow Key	No * Key	Full Key	Shallow Key	No * Key	Full Key	Shallow Key	No * Key
1008	7/8"	1"	1"							7/8"	1"	1"
1108	1"	1-1/8"	1-1/8"							1"	1-1/8"	1-1/8"
1210	1-1/4"	1-1/4"	1-1/4"							1-1/4"	1-1/4"	1-1/4"
1215	1-1/4"	1-1/4"	1-1/4"							1-1/4"	1-1/4"	1-1/4"
1310	1-3/8"	1-3/8"	1-3/8"							1-3/8"	1-7/16"	1-7/16"
1610	1-1/2"	1-5/8"	1-5/8"							1-5/8"	1-11/16"	1-11/16"
1615	1-1/2"	1-5/8"	1-5/8"							1-5/8"	1-11/16"	1-11/16"
2012	1-7/8"	2"	2"							2"	2-1/8"	2-1/8"
2517	2-1/4"	2-1/2"	2-1/2"							2-7/16"	2-11/16"	2-11/16"
2525				2-1/4"	2-1/2"	2-1/2"				2-3/8"	2-11/16"	2-11/16"
3020	2-3/4"	3"	3"	2-3/4"	3"	3"				3"	3-1/4"	3-1/4"
3030				2-3/4"	3"	3"				3"	3-1/4"	3-1/4"
3525				3-1/4"	3-1/2"	3-1/2"	3-1/2"	3-15/16"	3-15/16"			
3535				3-1/4"	3-1/2"	3-1/2"	3-1/2"	3-15/16"	3-15/16"			
4030				3-5/8"	4"	4"	4"	4-7/16"	4-7/16"			
4040				3-5/8"	4"	4"	4"	4-7/16"	4-7/16"			
4535				4-1/2"	4-1/2"	4-1/2"	4-1/2"	4-15/16"	4-15/16"			
4545				4-1/2"	4-1/2"	4-1/2"	4-1/2"	4-15/16"	4-15/16"			
5040				4-1/2"	5"	5"	5"	5-5/16"	5-5/16"			
5050				4-1/2"	5"	5"	5"	5-5/16"	5-5/16"			
6050				6"	6"	6"	6"	6"	6"			
7060				7"	7"	7"	7"	7"	7"			
8065				8"	8"	8"	8"	8"	8"			
10085				10"	10"	10"	10"	10"	10"			
120100				12"	12"	12"	12"	12"	12"			

* Verify torque capacity: Contact Application Engineering for assistance

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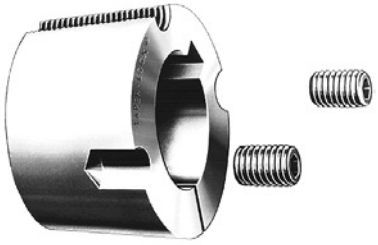
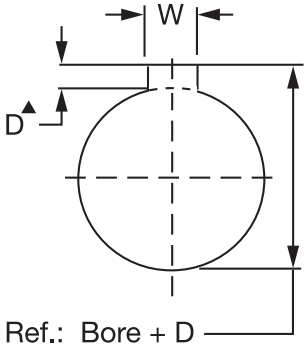
SPECIFICATION

TAPER-LOCK Bushings - Reborable





ISO STANDARD METHOD FOR MEASURING KEYSEAT DEPTH.

▲ Depth measured at centerline

TAPER-LOCK Bushings - Maximum Bore Capacities (Metric)

TL Bush Size	Min Bore	Sintered Steel			Cast Iron			Ductile Iron			Steel		
		Full Key	Shallow Key	No Key*	Full Key	Shallow Key	No Key*	Full Key	Shallow Key	No Key*	Full Key	Shallow Key	No Key*
1008	13	22	25	25							22	22	26
1108	13	25	25	29							25	28	29
1210	13	32	32	32							32	32	32
1215	13	32	32	32							32	32	32
1310	13	35	35	35							35	35	36
1610	13	40	40	40							42	42	44
1615	13	39	39	39							42	42	44
2012	13	50	50	51							50	50	55
2517	13	60	60	64							65	65	68
2525	20				60	60	64				65	65	68
3020	24	75	75	76							80	80	82
3030	24				75	75	76				80	80	82
3525	31				90	90	90	95	100	100			
3535	31				85	85	85	95	95	100			
4030	37				100	100	102	110	115	115			
4040	37				100	100	102	105	105	113			
4535	50				110	110	114	125	125	125			
4545	50				110	110	114	115	115	125			
5040	61				125	125	127	127	127	134			
5050	61				125	125	127	127	127	134			
6050	88				152	152	152	152	152	152			
7060	100				177	177	177	180	180	180			
8065	117				203	203	203	203	203	203			
10085	178				254	254	254	254	254	254			
120100	204				304	304	304	304	304	304			

NOTE: ISO STANDARD METHOD FOR MEASURING KEYSEAT DEPTH
MM Bore and Keyway dimensions conform to ISO standard recommendation R773, for "Free" fit
* Verify torque capability. Contact Application Engineering for assistance.

REFERENCE:
1 inch = 25.4 millimeters
1 millimeter = 0.03937 inches

SPECIFICATION

TAPER-LOCK Weld-On Hubs

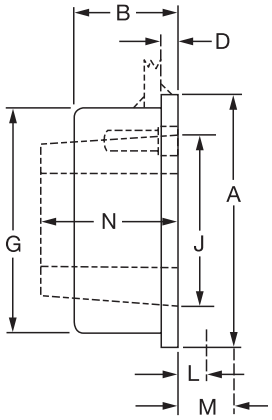
DODGE Weld-On hubs are made of 1015-1025 steel, drilled, tapped, and taper bored to receive TAPER-LOCK bushings. They are useful for welding into fan rotors, pulleys, plate sprockets, impellers, agitators, etc. which must be firmly mounted onto shafting. Four types of hubs are available from stock:

TYPE W/WA: Rugged, full length size for single-hub heavy-duty applications.

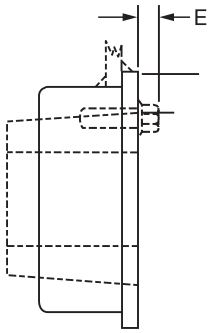
TYPE K: More compact design, especially useful for two-hub construction such as conveyor pulleys.

TYPE S: Originally designed for use in smaller sprockets using up to Taper-Lock size 3535 bushings. Suitable for many other lighter-duty applications.

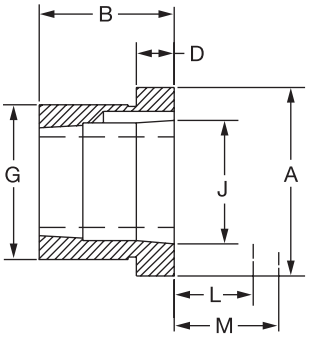
TYPE F: Features a larger flange diameter that can be welded into standard steel tubing to fabricate conveyor pulleys or process rolls.



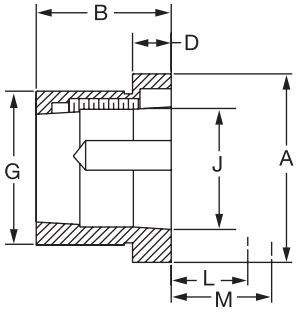
K25 to K50



K60 to K120



W12 to WA30



WA35 to WA100

TAPER-LOCK Type K And Type W/WA Weld-On Hubs

Hub No.	Part No.	Uses Bush.	Max. Bore	Wt. lbs.	Dimensions									Tolerances	
					A	B+	D	E	G	J Ref.	L++	M**	N	G Dimension	
W12	**228010**	1215	1-1/4	1.2	2.88	1.50	0.63	...	2.500*	1.88	1.38	1.63	1.50	*	+.000/-.002
W16	**228011**	1615	1-11/16	1.3	3.25	1.50	0.63	...	2.875*	2.25	1.38	1.63	1.50	@	+.000/-.003
W25	**228012**	2517	2-11/16	3.9	4.88	1.75	0.75	...	4.375*	3.38	1.63	2.25	1.75	~	+.000/-.004
WA30	**228087**	3030	3-1/4	8.6	5.50	3.00	0.75	...	5.125*	4.25	1.81	2.69	3.00		
WA35	**228088**	3535	3-15/16	15	6.75	3.50	1.00	...	6.250*	5.00	2.00	3.33 -	3.50	B Dimension	
WA40	**228089**	4040	4-7/16	29	7.75	4.00	1.00	...	7.250*	5.75	2.38	4.13	4.00	W/WA Hubs Only	
WA45	**228090**	4545	4-15/16	42	8.75	4.50	1.00	...	8.000*	6.38	2.63	4.75	4.50	+	+.001/-.125
WA50	**228091**	5050	5	57	9.50	5.00	1.00	...	8.750@	7.00	2.19	5.25	5.00		
WA60	**228092**	6050	6	115	13.25	5.00	1.25	1.44	12.250~	9.25	1.63	4.33	5.00		
WA70	**228093**	7060	7	158	14.5	6.00	1.25	1.44	13.500~	10.25	1.63	4.33	6.00		
WA80	**228094**	8065	8	180	15.25	6.50	1.25	1.44	14.125~	11.25	1.63	4.33	6.50		
WA100	**228095**	10085	10	340	19.75	8.50	1.50	1.75	18.750~	14.75	2.00	5.33	8.50		
K25	**207156**	2517	2-11/16	3.6	4.88	1.50	0.38	...	4.375*	3.38	1.63	2.25	1.75		
K30	**207157**	3020	3-1/4	7.8	5.50	1.63	0.75	...	5.125*	4.25	1.81	2.69	2.00		
K35	**228080**	3535	3-15/16	9.8	6.75	1.63	0.75	...	6.250*	5.00	2.00	3.33	3.50		
K40	**228081**	4040	4-7/16	10.8	7.75	2.13	0.50	...	7.250*	5.75	2.63	4.13	4.00		
K45	**228082**	4545	4-15/16	15.2	8.50	2.63	0.63	...	8.000*	6.83	2.63	4.75	4.50		
K50	**228083**	5050	5	29	9.25	2.88	0.63	...	8.750@	7.00	2.81	5.25	5.00		
K60	**228084**	6050	6	44	12.75	2.88	0.63	1.44	12.250~	9.25	1.63	4.33	5.00		
K70	**228085**	7060	7	60	14.00	3.38	0.75	1.44	13.500~	10.25	1.63	4.33	6.00		
K80	**228086**	8065	8	65	14.75	3.63	0.75	1.44	14.125~	11.25	1.63	4.33	6.5.		
K100	**228079**	10085	10	128	19.25	4.13	1.00	1.75	18.750~	14.75	2.00	5.33	8.50		
K120	**228058**	120100	12	225	22.25	5.38	1.00	1.75	21.750~	17.25	2.00	5.33	10.00		

++ Wrench clearance required to install bushing. ** Wrench clearance required to remove bushing.

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SPECIFICATION

TAPER-LOCK Weld-On Hubs

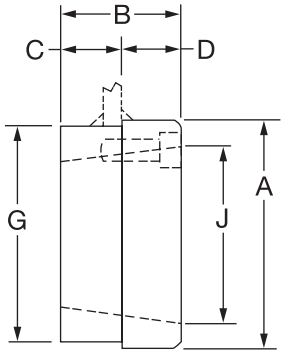
Type S Weld-On Hubs

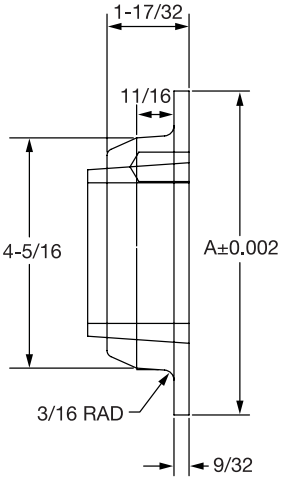
Hub No.	Part No.	Uses Bush.	Bore Range	Wt.	Dimensions						
					A	B	C	D	G	G Toler.	J Ref.
S16-4	**097023**	1610	1/2 to 1-11/16"	.90	3.00	1.00	0.275	.73	2.875	+.000/-.002	2.25
S16-6	**097024**	1610	1/2 to 1-11/16"	.90	3.00	1.00	0.45	.55	2.875	+.000/-.002	2.25
S20-6	**097025**	2012	1/2 to 2-1/8"	1.80	3.56	1.25	0.45	.80	3.438	+.000/-.002	2.75
S20-8	**097015**	2012	1/2 to 2-1/8"	1.40	3.56	1.25	0.57	.68	3.438	+.000/-.002	2.75
S25-6	**097016**	2517	1/2 to 2-11/16"	2.60	4.25	1.75	0.45	1.3	4.125	+.000/-.002	3.33
S25-8	**097017**	2517	1/2 to 2-11/16"	2.60	4.25	1.75	0.565	1.19	4.125	+.000/-.002	3.33
S25-10	**097018**	2517	1/2 to 2-11/16"	2.50	4.25	1.75	0.685	1.07	4.125	+.000/-.002	3.33
S25-16	**097019**	2517	1/2 to 2-11/16"	2.40	4.25	1.75	1.09	.66	4.125	+.000/-.002	3.33
S30-10	**097020**	3020	15/16 to 3-1/4"	4.30	5.25	2.00	0.675	1.33	5.125	+.000/-.002	4.25
S30-16	**097021**	3020	15/16 to 3-1/4"	4.20	5.25	2.00	1.09	.91	5.125	+.000/-.002	4.25
S35	**097022**	3535	1-3/16 to 3-15/16"	12.80	6.50	3.50	1.16	2.34	6.375	+.000/-.002	5.00

TAPER-LOCK Type F Weld-On Hubs

Hub No.	Part No.	Uses Bush.	Bore Range	Wt.	A
6F25P	**226091**	2517	1/2 to 2-11/16"	3.9	6.048
6F25A	**226026**	2517	1/2 to 2-11/16"	3.8	5.685
6F25B	**226027**	2517	1/2 to 2-11/16"	3.8	5.664
6F25C	**226028**	2517	1/2 to 2-11/16"	3.8	5.625
6F25D	**226029**	2517	1/2 to 2-11/16"	3.8	5.579
6F25E	**226030**	2517	1/2 to 2-11/16"	3.8	5.537
8F25P	**226093**	2517	1/2 to 2-11/16"	6.3	7.962
8F25A	**226031**	2517	1/2 to 2-11/16"	6.2	7.685
8F25B	**226032**	2517	1/2 to 2-11/16"	6.2	7.664
8F25C	**226033**	2517	1/2 to 2-11/16"	6.2	7.625
8F25D	**226034**	2517	1/2 to 2-11/16"	6.2	7.579
8F25E	**226007**	2517	1/2 to 2-11/16"	6.2	7.537
F30	**226101**	3020	15/16 to 3-1/4"	5.3	5.75

Type S





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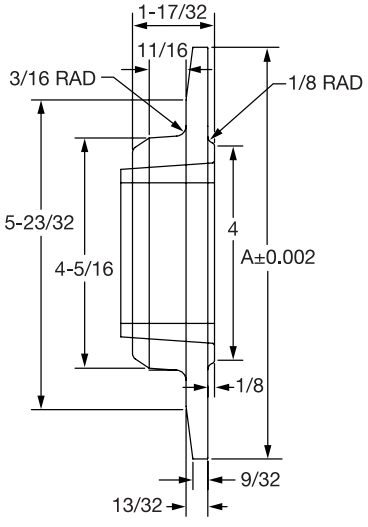

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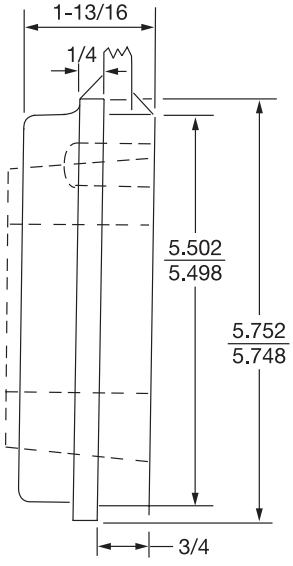

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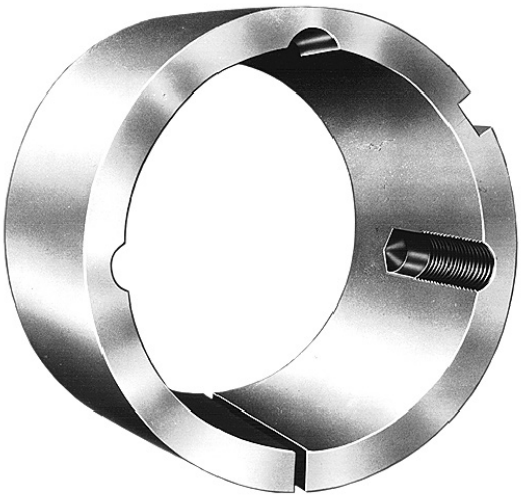
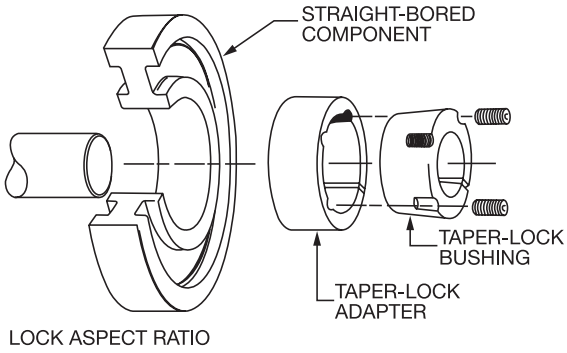
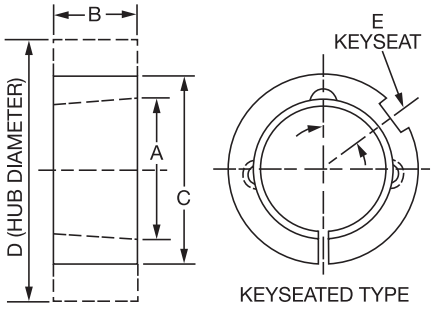
SPECIFICATION

TAPER-LOCK Adapters







Adapters for TAPER-LOCK bushings are recommended for use where it is more convenient to straight bore than to drill, tap and taper bore hubs to accommodate bushings.

The adapter is a gray iron, taper-bored sleeve which fits into the straight bore of a hub. The bushing simply fits inside the adapter which is tapped for the bushing screws. When tightening the locking screws, adapter is expanded against the hub bore contracting the bushing tightly upon the shaft. See page PT6-3 for bushing data and wrench space required.

TAPER-LOCK Adapters

Adapter No.	Type	For Use With Bush. No.	Adapter Part No.	Adapter Wt.	A Ref.	B	C*	D: Req'd Hub Dia. †		E
								Class 30 Gray Iron	Steel	Keyseat
1215B	Keyseated	1215	**120011**	.7	1.88	1.50	2-3/8	3.38	3.25	1/4 x 1/8
1615B	Keyseated	1615	**120012**	.9	2.25	1.50	2-3/4	3.75	3.50	3/8 x 1/8
2517B	Keyseated	2517	**120013**	2.2	3.38	1.75	4-1/8	5.50	5.00	5/8 x 1/8
2525B	Keyseated	2525	**120014**	3.2	3.38	2.50	4-1/8	5.25	5.00	5/8 x 1/8
3030B	Keyseated	3030	**120015**	5.8	4.25	3.00	5-1/8	6.88	6.25	3/4 x 3/16
3535B	Keyseated	3535	**120016**	11.3	5.00	3.50	6-1/4	8.38	7.88	7/8 x 3/16
4040B	Keyseated	4040	**120017**	17.3	5.75	4.00	7-1/4	10.13	9.38	1 x 3/16
4545B	Keyseated	4545	**120018**	21.9	6.38	4.50	7-7/8	11.00	10.25	1 x 3/16

* 001 to +.003 tolerance recommended for bore of hub.

† For reference. Severe conditions may require larger hub. Heavy well located web may permit smaller hub. Hub diameter required depends on the application. Consult factory giving full information on the proposed design. Hub diameters shown are based on 30,000 and 50,000 P.S.I. minimum ultimate tensile strength respectively for Class 30 gray iron and steel hubs.

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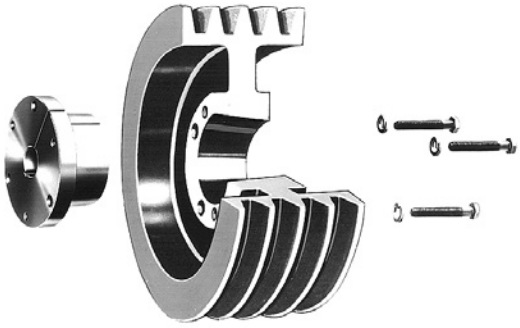
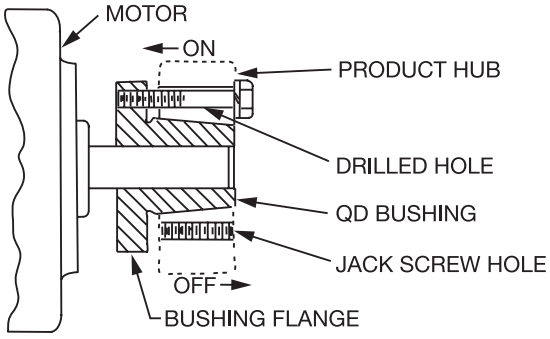
FEATURES/BENEFITS

QD Bushings

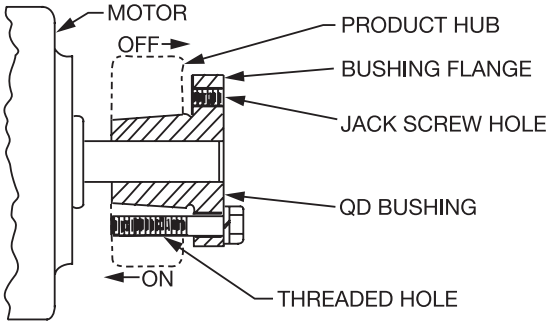


- 4 Degree Taper
- Easy on/Easy off
- Manufactured precisely to industry standards
- Conventional or Reverse Mounting, Including sizes M thru W - DODGE exclusive!
- QD is a registered trademark of Emerson Electric.

CONVENTIONAL



REVERSE



Conventional Mounting

Easy On

- Place bushing in product
- Align clearance holes in product with threaded holes in bushing
- Install screws and lockwashers thru clearance holes, finger tight
- Slide assembly onto shaft, flange first
- Locate assembly on shaft for proper drive alignment
- Tighten cap screws alternately and evenly to specified torque

Easy Off

- Remove cap screws and install in product threaded holes
- Alternately and evenly tighten screws until bushing grip is released
- Flanged Design

Reverse Mounting

Easy On

- Place bushing in product
- Align clearance holes in product with threaded holes in bushing
- Install screws and lockwashers thru clearance holes, finger tight
- Slide assembly onto shaft, flange outward
- Locate assembly on shaft for proper drive alignment
- Tighten cap screws alternately and evenly to specified torque

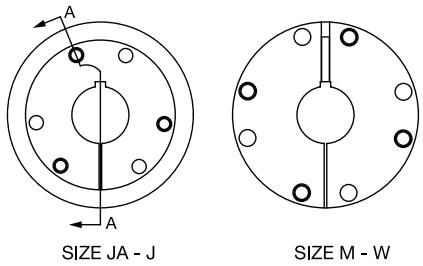
Easy Off

- Remove cap screws and reinstall in flange threaded holes
- Alternately and evenly tighten screws until bushing grip is released

IMPORTANT! Do not use lubricants or anti-seize compounds on tapered bore or bushing surfaces. Complete installation instructions are available at www.dodge-pt.com.

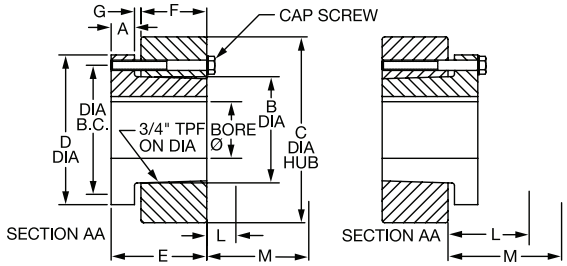
SPECIFICATION

QD Bushings - Dimensions



SIZE JA - J

SIZE M - W



CONVENTIONAL MOUNTING

REVERSE MOUNTING

QD Bushing Ratings And Dimensions

Bush. Symb.	Ratings (Lb-in) Bush. Torque Cap.*	Bore Range				Dimensions							
		Min.	Max. Bore for:			A	B Dia.	C Hub Dia.		D Dia.	E	F	G
			Full KW	Shallow KW	No KW			CI 30 Iron	Steel				
QT / (L)	1000	3/8	1-1/4	1-1/2	1-9/16	0.35	1.63	3.00	2.375	2.50	1.35	0.94	0.12
JA	1000	1/2	1	1-3/16	1-1/4	0.31	1.38	3.93	2.25	2.00	1.00	0.56	0.12
SH	3500	1/2	1-3/8	1-5/8	1-11/16	0.38	1.88	4.75	3.00	2.63	1.25	0.81	0.12
SDS	5000	1/2	1-5/8	1-15/16	2	0.43	2.18	4.75	3.50	3.18	1.31	0.75	0.12
SD	5000	1/2	1-5/8	1-15/16	2	0.43	2.18	3.81	3.50	3.18	1.81	1.25	0.12
SK	7000	1/2	2-1/8	2-1/2	2-5/8	0.50	2.81	4.75	4.50	3.88	1.88	1.25	0.22
SF	11000	1/2	2-5/16	2-15/16	...	0.50	3.13	6.38	5.50	4.63	2.00	1.25	0.22
E	20000	7/8	2-7/8	3-1/2	...	0.75	3.83	7.50	6.50	6.00	2.63	1.63	0.25
F	30000	1	3-1/4	3-15/16	4	0.81	4.43	7.75	7.25	6.63	3.63	2.50	0.34
J	45000	1-1/2	3-3/4	4-1/2	...	1.00	5.14	9.00	8.00	7.25	4.50	3.18	0.38
M	85000	2	4-3/4	5-1/2	...	1.25	6.50	11.38	10.00	9.00	6.75	5.18	0.41
N	150000	2-7/16	5	6	...	1.50	7.00	12.00	...	10.00	8.12	6.25	0.56
P	250000	2-15/16	5-15/16	7	...	1.75	8.25	14.00	...	11.75	9.38	7.25	0.63
W	375000	4	7-1/2	8-1/2	...	2.00	10.42	17.00	...	15.00	11.38	9.00	0.50
S	625000	5-1/2	9	10	...	3.25	12.13	19.00	...	17.75	15.75	12.00	0.75

* Torque ratings apply when bushing installation screws are tightened to listed torque. Important: Do not over-torque screws. This can lead to hub damage

Installation Information

Bush. Sym.	Installation Screws				Required Wrench Clearance							
	B. C. Dia.	Qty.	Size	Screw Torque (Lb - in)	Conventional Mounting				Reverse Mounting			
					L-Install		M-Remove		L-Install		M-Remove	
					#	@	#	@	#	@	#	@
QT / (L)	2	2	1/4-20 x 7/8	90	0.41	2.53	1.13	3.25	1.13	3.25	1.56	3.68
JA	1.65	3	10-24 x 1	60	0.41	2.53	1.13	3.25	1.13	3.25	1.56	3.68
SH	2.25	3	1/4-20x 1-3/8	108	0.54	2.61	1.51	3.58	1.51	3.58	2.08	4.13
SDS	2.69	3	1/4-20 x 1-3/8	108	0.59	2.66	1.56	3.63	1.56	3.63	2.13	4.18
SD	2.69	3	1/4-20 x 1-7/8	108	0.66	2.72	2.06	4.13	2.06	4.13	2.63	4.68
SK	3.31	3	5/16-18 x 2	180	0.72	2.66	2.19	4.19	2.25	4.25	2.32	4.94
SF	3.88	3	3/8-16 x 2	360	0.78	2.78	2.25	4.23	2.30	4.30	3.19	5.18
E	5.00	3	1/2 -13 x 2-3/4	720	1.12	3.06	3.00	4.93	3.05	5.00	4.30	6.25
F	5.63	3	9/16-12 x 3-5/8	900	1.09	2.91	3.94	5.75	3.99	5.81	5.31	7.12
J	6.25	3	5/8-11 x 4-1/2	1620	1.28	3.09	4.81	6.62	3.80	5.62	5.37	7.18
M	7.88	4	3/4-10 x 6-3/4	2700	2.16	4.03	7.69	9.56	...	...	...	...
N	8.50	4	7/8-9 x 8	3600	2.28	...	9.25	...	...	...	...	...
P	10.00	4	1-8 x 9-1/2	5400	3.13	...	10.88	...	...	...	...	...
W	12.75	4	1-1/8-7 x 11-1/2	7200	3.88	...	13.38	...	...	...	...	...
S	15.00	5	1-1/4 -7x 15	9000	3.75	...	16.50	...	...	...	...	...

Using Open-End Wrench
@ Using Socket Wrench

NOTE: Installation and maintenance instructions for Dodge products available at www.dodge-pt.com

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SPECIFICATION

Bushings For Bushed FHP Sheave - Stock Bore

QD Bush Size	BORE	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
QT / (L)	3/8”	**121129**	0.85	None		
	7/16”	**121130**	0.82			
	1/2”	**121131**	0.81	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16”	**121133**	0.80			
	5/8”	**122050**	0.78	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16”	**121134**	0.76			
	3/4”	**121162 +**	0.74			
	3/4”	**122051**	0.74			
	13/16”	**121136**	0.70			
	7/8”	**121163 +**	0.68			
	7/8”	**122052**	0.68			
	15/16”	**121138**	0.66	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1”	**121164 +**	0.62			
	1”	**122053**	0.62			
	1-1/16”	**121140**	0.59			
	1-1/8”	**121186 +**	0.56			
	1-1/8”	**122054**	0.56			
	1-3/16”	**121187 +**	0.52			
	1-3/16”	**122055**	0.52			
	1-1/4”	**122056**	0.49			
	1-5/16”	**121144**	0.44	5/16 x 1/16	5/16 x 5/32	5/16 x 7/32 *
	1-3/8”	**121145**	0.43			
	1-7/16”	**121146**	0.38	3/8 x 1/16	3/8 x 3/16	3/8 x 1/4 *
	1-1/2”	**121147**	0.34			
	14MM	**121148**	0.79	5 x 2.3MM	5 x 3MM	5 x 5MM
	19MM	**121149**	0.74	6 x 2.8MM	6 x 3.5MM	6 x 6MM
	20MM	**121467**	0.73			
	25MM	**121151**	0.63	8 X 3.3MM	8 X 4MM	8 X 7MM
	28MM	**151152**	0.57			
	30MM	**121153**	0.53			
	32MM	**121154**	0.50	10 x 3.3MM	10 X 5MM	10 X 8MM

P/N’s marked (+) are Integral Key Bushings
Bore sizes marked (#) will be supplied with 1/2” wide keyway unless the 5/8” wide keyway is specified when ordering
* Key furnished for these sizes ONLY
** Key not furnished for MM bores sizes

QD Bushings - Stock Bore

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
JA	1/2”	**120332**	0.46	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16”	**120333**	0.46			
	5/8”	**120334**	0.45	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16”	**120335**	0.43			
	3/4”	**120336**	0.41			
	13/16”	**120337**	0.40			
	7/8”	**120338**	0.37			
	15/16”	**120339**	0.35	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1”	**120340**	0.33			
	1-1/16”	**120341**	0.34	1/4 x 1/16	1/4 x 1/8	1/4 x 3/16 *
	1-1/8”	**120342**	0.31			
	1-3/16”	**120343**	0.29			
	1-1/4”	**120344**	0.25	None		
	19MM	**117049**	0.42	6 x 2.8MM	6 x 3.5MM	6 x 6MM
	20MM	**120329**	0.41			
	22MM	**117043**	0.40			
SH	1/2”	**120345**	1.16	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16”	**120346**	1.14			
	5/8”	**120347**	1.14	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16”	**120348**	1.14			
	3/4”	**120349**	1.10			
	13/16”	**120350**	1.07			
	7/8”	**120351**	1.04			
	15/16”	**120352**	1.00	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1”	**120353**	0.98			
	1-1/16”	**120354**	0.94			
	1-1/8”	**120355**	0.91			
	1-3/16”	**120356**	0.88			
	1-1/4”	**120357**	0.84			
	1-5/16”	**120358**	0.82	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8”	**120359**	0.80			
	1-7/16”	**120360**	0.79	3/8 x 1/16	3/8 x 3/16	3/8 x 1/4 *
	1-1/2”	**120361**	0.75			
	1-9/16”	**120362**	0.90			
	1-5/8”	**120363**	0.64			
	1-11/16”	**120580**	0.55	None		
	24MM	**120088**	1.00	8 X 3.3MM	8 X 4MM	8 X 7MM
	25MM	**120089**	0.99			
	28MM	**120090**	0.93			
	30MM	**120091**	0.87			
	32MM	**120092**	0.82	10 X 3.3MM	10 X 5MM	10 X 8MM
	35MM	**120093**	0.74			
SDS	1/2”	**120388**	1.65	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16”	**120389**	1.65			
	5/8”	**120390**	1.61	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16”	**120391**	1.60			
	3/4”	**120392**	1.58			
	13/16”	**120393**	1.54			
	7/8”	**120394**	1.54			
	15/16”	**120395**	1.50	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1”	**120396**	1.46			
	1-1/16”	**120397**	1.43			
	1-1/8”	**120398**	1.38			
	1-3/16”	**120399**	1.36			
	1-1/4”	**120400**	1.32			
	1-5/16”	**120401**	1.26	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8”	**120402**	1.24			

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SPECIFICATION

QD Bushings - Stock Bore

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
SDS (cont)	1-7/16"	**120403**	1.19	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"	**120404**	1.15			
	1-9/16"	**120405**	1.11			
	1-5/8"	**120406**	1.08			
	1-11/16"	**120407**	1.08	3/8 x 1/8	3/8 x 3/16	3/8 x 5/16 *
	1-3/4"	**120408**	1.02			
	1-13/16"	**120409**	0.98	1/2 x 1/16	1/2 x 1/4	1/2 x 5/16 *
	1-7/8"	**120410**	0.92			
	1-15/16"	**120411**	0.87			
	2"	**120412**	0.77	None		
	24MM	**120094**	1.47	8 X 3.3MM	8 X 4MM	8 X 7MM
	25MM	**120095**	1.47			
	28MM	**120096**	1.41			
	30MM	**120097**	1.36			
	32MM	**120098**	1.31	10 X 3.3MM	10 X 5MM	10 X 8MM
	35MM	**120099**	1.22			
	38MM	**120100**	1.00			
	40MM	**120101**	1.01	12 X 3.3MM	12 X 5MM	12 X 8MM
	42MM	**120102**	1.02			
SD	1/2"	**120364**	2.07	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16"	**120365**	2.05			
	5/8"	**120366**	2.03	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16"	**120367**	2.00			
	3/4"	**120368**	2.00			
	13/16"	**120369**	2.00			
	7/8"	**120370**	1.88			
	15/16"	**120371**	1.85	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"	**120372**	1.80			
	1-1/16"	**120373**	1.79			
	1-1/8"	**120374**	1.72			
	1-3/16"	**120375**	1.67			
	1-1/4"	**120376**	1.62			
	1-5/16"	**120377**	1.55	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8"	**120378**	1.50			
	1-7/16"	**120379**	1.44	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"	**120380**	1.36			
	1-9/16"	**120381**	1.29			
	1-5/8"	**120382**	1.29			
	1-11/16"	**120383**	1.20			
	1-3/4"	**120384**	1.19	3/8 x 1/8	3/8 x 3/16	3/8 x 5/16 *
	1-13/16"	**120385**	1.15	1/2 x 1/16	1/2 x 1/4	1/2 x 5/16 *
	1-7/8"	**120386**	1.07			
	1-15/16"	**120387**	1.00			
	2"	**120581**	0.84	None		
	24MM	**120103**	1.84	8 X 3.3MM	8 X 4MM	8 X 7MM
	25MM	**120104**	1.82			
	28MM	**120105**	1.72			
	30MM	**120106**	1.66			
	32MM	**120107**	1.58	10 X 3.3MM	10 X 5MM	10 X 8MM
	35MM	**120108**	1.49			
	38MM	**120109**	1.37			
	40MM	**120110**	1.28	12 X 3.3MM	12 X 5MM	12 X 8MM
	42MM	**120111**	1.18			

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* Key furnished for these sizes ONLY
** Key not furnished for MM bores sizes

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
SK	1/2"	**120413**	3.77	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	9/16"	**120414**	3.74			
	5/8"	**120415**	3.72	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16"	**120416**	3.70			
	3/4"	**120417**	3.61			
	13/16"	**120418**	3.53			
	7/8"	**120419**	3.58			
	15/16"	**120420**	3.52	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"	**120421**	3.45			
	1-1/16"	**120422**	3.41			
	1-1/8"	**120423**	3.37			
	1-3/16"	**120424**	3.31			
	1-1/4"	**120425**	3.31			
	1-5/16"	**120426**	3.18	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8"	**120427**	3.12			
	1-7/16"	**120428**	3.08	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2"	**120429**	3.00			
	1-9/16"	**120430**	2.95			
	1-5/8"	**120431**	2.86			
	1-11/16"	**120432**	2.79			
	1-3/4"	**120433**	2.88			
	1-13/16"	**120434**	2.62	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-7/8"	**120435**	2.50			
	1-15/16"	**120436**	2.42			
	2"	**120437**	2.32			
	2-1/16"	**120438**	2.26			
	2-1/8"	**120439**	2.17			
	2-3/16"	**120440**	2.21	1/2 x 3/16	1/2 x 1/4	1/2 x 7/16 *
	2-1/4"	**120441**	2.09			
	2-5/16"	**120442**	2.00	5/8 x 1/16	5/8 x 5/16	5/8 x 3/8 *
	2-3/8"	**120443**	1.91			
	2-7/16"	**120444**	1.81			
	2-1/2"	**120445**	1.72			
	2-5/8"	**120447**	1.32	None		
	24MM	**120112**	3.52	8 X 3.3MM	8 X 4MM	8 X 7MM
	25MM	**120113**	3.50			
	28MM	**120114**	3.41			
	30MM	**120115**	3.31			
	32MM	**120116**	3.31	10 X 3.3MM	10 X 5MM	10 X 8MM
	35MM	**120117**	3.12			
	38MM	**120118**	2.98			
	40MM	**120119**	2.95	12 X 3.3MM	12 X 5MM	12 X 8MM
	42MM	**120120**	2.86			
	45MM	**120070**	2.69	14 X 3.8MM	14 X 5.5MM	14 X 9MM
	48MM	**120121**	2.50			
	50MM	**120122**	2.40			
	55MM	**120123**	2.17	16 X 4.3MM	16 X 6MM	16 X 10MM
SF	1/2"	**120448**	5.27	1/8 x 1/4	1/8 x 1/4	1/8 x 1/8
	9/16"	**120449**	5.27			
	5/8"	**120450**	5.22	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	11/16"	**120451**	5.20			
	3/4"	**120452**	5.17			
	13/16"	**120453**	5.32			
	7/8"	**120454**	5.08			
	15/16"	**120455**	5.05	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"	**120456**	5.00			
	1-1/16"	**120457**	4.95			
	1-1/8"	**120458**	4.90			
	1-3/16"	**120459**	4.83			
	1-1/4"	**120460**	4.77			

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QD Bushings - Stock Bore

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
SF (cont)	1-5/16”	**120461**	4.71	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8”	**120462**	4.61			
	1-7/16”	**120463**	4.57	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2”	**120464**	4.48			
	1-9/16”	**120465**	4.42			
	1-5/8”	**120466**	4.32			
	1-11/16”	**120467**	4.31			
	1-3/4”	**120468**	4.16			
	1-13/16”	**120469**	4.06	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-7/8”	**120470**	4.00			
	1-15/16”	**120471**	3.87			
	2”	**120472**	3.78			
	2-1/16”	**120473**	3.70			
	2-1/8”	**120474**	3.57			
	2-3/16”	**120475**	3.45			
	2-1/4”	**120476**	3.38			
	2-5/16”	**120477**	3.32	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-3/8”	**120478**	3.39	5/8 x 3/16	5/8 x 5/16	5/8 x 1/2 *
	2-7/16”	**120479**	3.26			
	2-1/2”	**120592**	3.16			
	2-5/8”	**120482**	2.91	5/8 x 1/16	5/8 x 5/16	5/8 x 3/8 *
	2-11/16”	**120483**	2.80			
	2-3/4”	**120484**	2.59			
	2-13/16”	**120485**	2.50	3/4 x 1/16	3/4 x 3/8	3/4 x 7/16 *
	2-7/8”	**120486**	2.35	3/4 x 1/32	3/4 x 3/8	3/4 x 13/32 *
	2-15/16”	**120487**	2.22			
	28MM	**120124**	5.00	8 X 3.3MM	8 X 4MM	8 X 7MM
	30MM	**120125**	4.90			
	32MM	**120126**	4.77	10 X 3.3MM	10 X 5MM	10 X 8MM
	35MM	**120127**	4.61			
	38MM	**120128**	4.48			
	40MM	**120129**	4.42	12 X 3.3MM	12 X 5MM	12 X 8MM
	42MM	**120130**	4.32			
	45MM	**120071**	4.16	14 X 3.8MM	14 X 5.5MM	14 X 9MM
	48MM	**120131**	4.00			
	50MM	**120132**	3.87			
	55MM	**120133**	3.57	16 X 4.3MM	16 X 6MM	16 X 10MM
	60MM	**120134**	3.39	18 X 4.4MM	18 X 7MM	18 X 11MM
E	7/8”	**120488**	11.80	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	1”	**120490**	11.65	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1-1/8”	**120492**	11.46			
	1-3/16”	**120493**	11.40			
	1-1/4”	**120494**	11.33			
	1-5/16”	**120495**	11.26	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-3/8”	**120496**	11.20			
	1-7/16”	**120497**	11.13	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2”	**120498**	10.86			
	1-9/16”	**120499**	10.82			
	1-5/8”	**120500**	10.69			
	1-11/16”	**120501**	10.56			
	1-3/4”	**120502**	10.46			

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
E (cont)	1-13/16”	**120503**	10.16	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-7/8”	**120504**	10.16			
	1-15/16”	**120505**	10.16			
	2”	**120506**	10.01			
	2-1/16”	**120507**	9.85			
	2-1/8”	**120508**	9.73			
	2-3/16”	**120509**	9.42			
	2-1/4”	**120510**	9.42			
	2-5/16”	**120511**	9.07	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-3/8”	**120512**	8.95			
	2-7/16”	**120513**	8.77			
	2-1/2”	**120514**	8.72			
	2-5/8”	**120516**	8.37			
	2-11/16”	**120517**	8.05			
	2-3/4”	**120518**	7.90			
	2-13/16”	**120519**	7.70	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-7/8”	**120520**	7.32			
	2-15/16”	**120521**	7.53	3/4 x 1/8	3/4 x 3/8	3/4 x 1/2 *
	3”	**120522**	7.31			
	3-1/8”	**120524**	6.90			
	3-3/16”	**120525**	6.69			
	3-1/4”	**120526**	6.48			
	3-5/16”	**120527**	6.10	7/8 x 1/8	7/8 x 7/16	7/8 x 9/16 *
	3-3/8”	**120528**	6.21	7/8 x 1/16	7/8 x 7/16	7/8 x 1/2 *
	3-7/16”	**120529**	5.86			
	3-1/2”	**120530**	5.73			
	28MM	**120073**	10.20	8 X 3.3MM	8 X 4MM	8 X 7MM
	30MM	**120074**	10.20			
	32MM	**120075**	10.20	10 X 3.3MM	10 X 5MM	10 X 8MM
	35MM	**120135**	10.20			
	38MM	**120136**	10.00			
	40MM	**120137**	10.88	12 X 3.3MM	12 X 5MM	12 X 8MM
	42MM	**120138**	9.80			
	45MM	**120141**	9.60	14 X 3.8MM	14 X 5.5MM	14 X 9MM
	48MM	**120139**	10.26			
	50MM	**120140**	10.06			
	55MM	**120142**	9.56	16 X 4.3MM	16 X 6MM	16 X 10MM
	60MM	**120143**	9.10	18 X 4.4MM	18 X 7MM	18 X 11MM
	65MM	**120144**	9.60			
	70MM	**120145**	7.87	20 X 4.9MM	20 x 7.5MM	20 X 12MM
	75MM	**120146**	7.28			
F	1”	**120531**	19.41	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1-1/8”	**120533**	19.15			
	1-3/16”	**120534**	18.00			
	1-1/4”	**120535**	18.99			
	1-3/8”	**120537**	18.68	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-7/16”	**120538**	18.56	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-1/2”	**120539**	18.48			
	1-9/16”	**120540**	18.40			
	1-5/8”	**120541**	18.15			
	1-11/16”	**120542**	17.91			
	1-3/4”	**120543**	16.77			
	1-13/16”	**120544**	17.62	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-7/8”	**120545**	16.41			
	1-15/16”	**120546**	16.00			
	2”	**120547**	16.00			
	2-1/16”	**120548**	16.00			
	2-1/8”	**120549**	15.95			
	2-3/16”	**120550**	15.95			
	2-1/4”	**120551**	15.95			

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** Key not furnished for MM bores sizes

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SPECIFICATION

QD Bushings - Stock Bore

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
F (cont)	2-5/16"	**120552**	15.95	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-3/8"	**120553**	15.50			
	2-7/16"	**120554**	15.50			
	2-1/2"	**120555**	15.37			
	2-5/8"	**120557**	14.86			
	2-11/16"	**120558**	14.50			
	2-3/4"	**120559**	14.37			
	2-13/16"	**120560**	14.00	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-7/8"	**120561**	14.02			
	2-15/16"	**120562**	13.47			
	3"	**120563**	13.20			
	3-1/8"	**120565**	12.67			
	3-3/16"	**120566**	12.50			
	3-1/4"	**120567**	12.00			
	3-3/8"	**120569**	12.00	7/8 x 3/16	7/8 x 7/16	7/8 x 5/8 *
	3-7/16"	**120570**	11.88			
	3-1/2"	**120571**	11.40			
	3-5/8"	**120573**	10.53			
	3-11/16"	**120574**	14.00			
	3-3/4"	**120575**	9.89			
	3-7/8"	**120577**	9.26	1 x 1/8	1 x 1/2	1 x 5/8 *
	3-15/16"	**120578**	9.23			
	4"	**120579**	7.96	None		
	45MM	**120076**	16.20	14 X 3.8MM	14 X 5.5MM	14 X 9MM
	48MM	**120147**	16.00			
	50MM	**120148**	15.80			
	55MM	**120149**	15.80	16 X 4.3MM	16 X 6MM	16 X 10MM
	60MM	**120150**	15.80	18 X 4.4MM	18 X 7MM	18 X 11MM
	65MM	**120151**	14.30			
	70MM	**120152**	14.30	20 X 4.9MM	20 x 7.5MM	20 X 12MM
	75MM	**120153**	13.50			
	80MM	**120154**	12.55	22 X 5.4MM	22 X 9MM	22 X 14MM
	85MM	**120155**	10.60			
	90MM	**120077**	10.50	25 X 5.4MM	25 X 9MM	25 X 14MM
J	1-1/2"	**120600**	28.97	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-5/8"	**120601**	28.61			
	1-3/4"	**120603**	28.28			
	1-7/8"	**120604**	27.79	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-15/16"	**120605**	27.53			
	2"	**120606**	27.33			
	2-1/8"	**120607**	26.74			
	2-3/16"	**120608**	26.37			
	2-1/4"	**120609**	26.32			
	2-3/8"	**120610**	25.65	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-7/16"	**120611**	25.52			
	2-1/2"	**120612**	25.05			
	2-5/8"	**120613**	24.50			
	2-11/16"	**120614**	24.18			
	2-3/4"	**120615**	23.86			

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
J (cont)	2-7/8"	**120617**	23.15	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-15/16"	**120618**	23.07			
	3"	**120619**	22.43			
	3-1/8"	**120620**	21.68			
	3-3/16"	**120621**	21.35			
	3-1/4"	**120622**	20.98			
	3-3/8"	**120623**	20.33	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-7/16"	**120624**	21.13			
	3-1/2"	**120625**	19.58			
	3-5/8"	**120626**	18.44			
	3-11/16"	**120627**	18.04			
	3-3/4"	**120628**	17.62			
	3-7/8"	**120629**	17.94	1 x 1/8	1 x 1/2	1 x 5/8 *
	3-15/16"	**120630**	17.38			
	4"	**120631**	16.62			
	4-1/8"	**120632**	15.69			
	4-3/16"	**120633**	14.55			
	4-1/4"	**120634**	14.68			
	4-3/8"	**120635**	14.00			
	4-7/16"	**120636**	13.49			
	4-1/2"	**120637**	12.67			
	50MM	**120157**	26.50	14 X 3.8MM	14 X 5.5MM	14 X 9MM
	55MM	**120158**	25.60	16 X 4.3MM	16 X 6MM	16 X 10MM
	60MM	**120159**	25.82	18 X 4.4MM	18 X 7MM	18 X 11MM
	65MM	**120160**	25.25			
	70MM	**120161**	24.04	20 X 4.9MM	20 x 7.5MM	20 X 12MM
	75MM	**120162**	21.90			
	80MM	**120163**	20.90	22 X 5.4MM	22 X 9MM	22 X 14MM
	85MM	**120164**	20.52			
	90MM	**120165**	18.10	25 X 5.4MM	25 X 9MM	25 X 14MM
	95MM	**120166**	16.80			
	100MM	**120167**	16.50	26 X 6.4MM	28 X 10MM	28 X 16MM
M	2"	**119900**	62.65	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	2-1/8"	**119901**	62.65			
	2-3/16"	**119902**	61.58			
	2-1/4"	**119903**	61.14			
	2-3/8"	**119904**	59.50	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-7/16"	**119905**	59.35			
	2-1/2"	**119906**	59.21			
	2-5/8"	**119907**	58.69			
	2-3/4"	**119908**	57.86			
	2-7/8"	**119909**	56.57	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-15/16"	**119910**	56.17			
	3"	**119911**	56.10			
	3-1/8"	**119912**	55.82			
	3-3/16"	**119913**	53.84			
	3-1/4"	**119914**	53.42			
	3-3/8"	**119915**	52.06	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-7/16"	**119916**	52.04			
	3-1/2"	**119917**	51.12			
	3-5/8"	**119918**	50.08			
	3-11/16"	**119919**	49.00			
	3-3/4"	**119920**	48.47			
	3-7/8"	**119921**	47.03	1 x 1/2	1 x 1/2	1 x 1
	3-15/16"	**119922**	46.26			
	4"	**119923**	46.09			
	4-1/8"	**119924**	44.31			
	4-3/16"	**119925**	43.64			
	4-1/4"	**119926**	42.81			

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** Key not furnished for MM bores sizes

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SPECIFICATION

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QD Bushings - Stock Bore

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
M (cont)	4-3/8"	**119927**	41.46	1 x 1/2	1 x 1/2	1 x 1
	4-7/16"	**119928**	40.60			
	4-1/2"	**119929**	40.27			
	4-11/16"	**119930**	37.12	1-1/4 x 5/8	1-1/4 x 5/8	1-1/4 x 1-1/4
	4-3/4"	**119931**	37.00			
	4-7/8"	**119932**	36.89	1-1/4 x 1/4	1-1/4 x 5/8	1-1/4 x 7/8 *
	4-15/16"	**119933**	36.13			
	5"	**119934**	35.66			
	5-1/8"	**119899**	35.00			
	5-3/16"	**119894**	35.00			
	5-1/4"	**119935**	30.00			
	5-7/16"	**119936**	30.00			
	5-1/2"	**119937**	29.00			
N	2-7/16"	**119940**	87.57	5/8 x 5/16 3/4 x 3/8	5/8 x 5/16 3/4 x 3/8	5/8 x 5/8 3/4 x 3/4
	2-15/16"	**119941**	83.00			
	3-7/16"	**119942**	80.00	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-1/2"	**119980**	80.00			
	3-3/4"	**119943**	80.00			
	3-7/8"	**119944**	80.00	1 x 1/2	1 x 1/2	1 x 1
	3-15/16"	**119945**	80.00			
	4"	**119946**	80.00			
	4-3/16"	**119947**	80.00			
	4-1/4"	**119948**	80.00			
	4-3/8"	**119982**	79.00			
	4-7/16"	**119949**	78.00			
	4-1/2"	**119950**	77.00			
	4-11/16"	**119983**	76.00	1-1/4 x 5/8	1-1/4 x 5/8	1-1/4 x 1-1/4
	4-3/4"	**119951**	75.00			
	4-7/8"	**119952**	74.00			
	4-15/16"	**119953**	73.00			
	5"	**119954**	72.00			
	5-1/8"	**119955**	71.00	1-1/4 x 1/4	1-1/4 x 5/8	1-1/4 x 7/8 *
	5-3/16"	**119986**	70.50			
	5-1/4"	**119956**	70.00			
	5-7/16"	**119957**	52.19			
	5-1/2"	**119958**	49.02			
	5-3/4"	**119959**	49.00	1-1/2 x 1/8	1-1/2 x 3/4	1-1/2 x 7/8 *
	5-7/8"	**119960**	44.00			
	5-15/16"	**119961**	43.00			
	6"	**119962**	42.00			

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
P	3-7/16"	**119965**	134.00	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-15/16"	**119966**	122.00	1 x 1/2	1 x 1/2	1 x 1
	4"	**119987**	122.00			
	4-7/16"	**119967**	122.40			
	4-1/2"	**119968**	121.00			
	4-3/4"	**119969**	120.00	1-1/4 x 5/8	1-1/4 x 5/8	1-1/4 x 1-1/4
	4-7/8"	**119985**	120.00			
	4-15/16"	**119970**	119.00			
	5"	**119971**	115.00			
	5-3/16"	**119984**	114.00			
	5-7/16"	**119972**	113.00			
	5-1/2"	**119973**	100.00			
	5-15/16"	**119974**	94.00			
	6"	**119975**	93.70	1-1/2 x 1/4	1-1/2 x 3/4	1-1/2 x 1 *
	6-7/16"	**119976**	83.50			
	6-1/2"	**119977**	80.50			
	7"	**119978**	68.00	1-3/4 x 1/8	1-3/4 x 3/4	1-3/4 x 7/8 *
W	4-1/4"	**120180**	260.00	1 x 1/2	1 x 1/2	1 x 1
	4-7/16"	**120181**	256.60			
	4-1/2"	**120182**	255.40			
	4-3/4"	**120183**	250.00	1-1/4 x 5/8	1-1/4 x 5/8	1-1/4 x 1-1/4
	5"	**120186**	244.30			
	5-3/8"	**120188**	235.30			
	5-1/2"	**120189**	232.20			
	5-3/4"	**120190**	225.70	1-1/2 x 3/4	1-1/2 x 3/4	1-1/2 x 1-1/2
	5-7/8"	**120191**	222.30			
	5-15/16"	**120192**	220.00			
	6"	**120193**	218.90			
	6-1/2"	**120194**	215.00			
	6-3/4"	**120328**	210.00	1-3/4 x 3/4	1-3/4 x 3/4	1-3/4 x 1-1/2
	7"	**120196**	184.90			
	7-1/4"	**120197**	184.40			
	7-1/2"	**120198**	175.80			
	7-3/4"	**120199**	172.00	2 x 1/4	2 x 3/4	2 x 1 *
	8"	**120200**	159.70			
S	▼ Bushings size available please call Dodge for information					

P/N's marked (+) are Integral Key Bushings
Bore sizes marked (#) will be supplied with 1/2" wide keyway unless the 5/8" wide keyway is specified when ordering
* Key furnished for these sizes ONLY
** Key not furnished for MM bores sizes

T-L FEATURES/BENEFITS PAGE PT6-2	T-L SPECIFICATION PAGE PT6-3	QD BUSHINGS PAGE PT6-16	GT BUSHINGS PAGE PT6-28

SPECIFICATION

QD Reborable

QD Bush Size	Sintered Steel		Cast Iron		Ductile Iron	
	Bore	P/N	Bore	P/N	Bore	P/N
QT (L)	3/8"	**120595**				
JA	1/2"	**120050**				
SH	1/2"	**120051**			1/2"	**119876**
SDS	1/2"	**120052**			1-7/16"	**119877**
SD	1/2"	**120053**			1-9/16"	**119878**
SK	1/2"	**120054**			2"	**119879**
SF	1/2"	**120055**			2-5/16"	**119880**
E			7/8"	**120056**	7/8"	**119881**
F			1"	**120057**	1"	**119882**
J			1-1/2"	**120058**	1-1/2"	**119883**
M			2"	**119938**	2"	**119884**
N			2-7/16"	**119963**	2-7/16"	**119885**
P			3-7/16"	**119979**	3-7/16"	**119886**
W			4"	**120276**		
S			5-1/2"	**394059**		

NOTE: All reborable bushings are stocked without sawsplit to facilitate re-maching. Sawsplit must be made in bushing to allow it to compress for proper gripping of the shaft. Factory rebore and keyseat service as listed in MLP price book includes sawsplit.

QD - Maximum Bore Capacities

QD Bush Size	Sintered Steel			Cast Iron			Ductile Iron			
	Full Key	Shallow Key	Metric	Full Key	Shallow Key	Metric	Full Key	Shallow Key	No Key*	Metric
QT (L)										
JA	1"	1-1/16"	25				1"	1-3/16"	1-1/4"	25
SH	1-1/4"	1-1/4"	30				1-3/8"	1-5/8"	1-11/16"	35
SDS	1-9/16"	1-5/8"	40				1-5/8"	1-15/16"	2"	42
SD	1-9/16"	1-9/16"	40				1-11/16"	1-15/16"	2"	42
SK	2"	2-1/16"	50				2-1/2"	2-1/2"	2-5/8"	55
SF	2-1/4"	2-3/8"	55				2-5/16"	2-15/16"	2-15/16"	65
E				2-3/4"	3"	70	2-7/8"	3-1/2"	3-1/2"	89
F				3-1/4"	3-7/16"	90	3-1/4"	3-15/16"	4"	101
J				3-3/4"	3-7/8"	100	3-3/4"	4-1/2"	4-1/2"	114
M				4-3/4"	5"	120	4-3/4"	5-1/2"	5-1/2"	139
N				5"	5-1/4"	130	5"	6"	6"	149
P				5-1/2"	7"	160	5-1/2"	7"	7"	177
W				6-1/2"	7"	165	6-1/2"	8-1/2"	8-1/2"	216
S				8-1/4"	8-1/4"	209	8-1/4	10"	10"	250

NOTE: ISO STANDARD METHOD FOR MEASURING KEYSEAT DEPTH
MM Bore and Keyway dimensions conform to ISO standard recommendation R773, for "Free" fit

REFERENCE:
1 inch = 25.4 millimeters
1 millimeter = .03937 inches

* Verify torque capacity: Contact Application Engineering for assistance

T-L FEATURES/BENEFITS PAGE PT6-2	T-L SPECIFICATION PAGE PT6-3	QD BUSHINGS PAGE PT6-16	GT BUSHINGS PAGE PT6-28

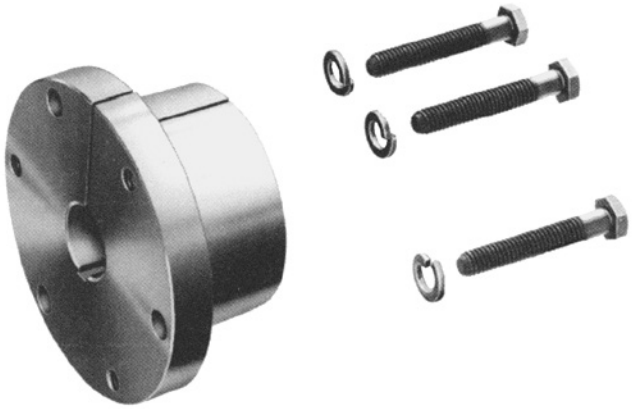
PT Component Quick References
Couplings
Clutches and Brakes
FLEXIDYNE
Fluid Couplings
TORQUE-TAMER
Bushings

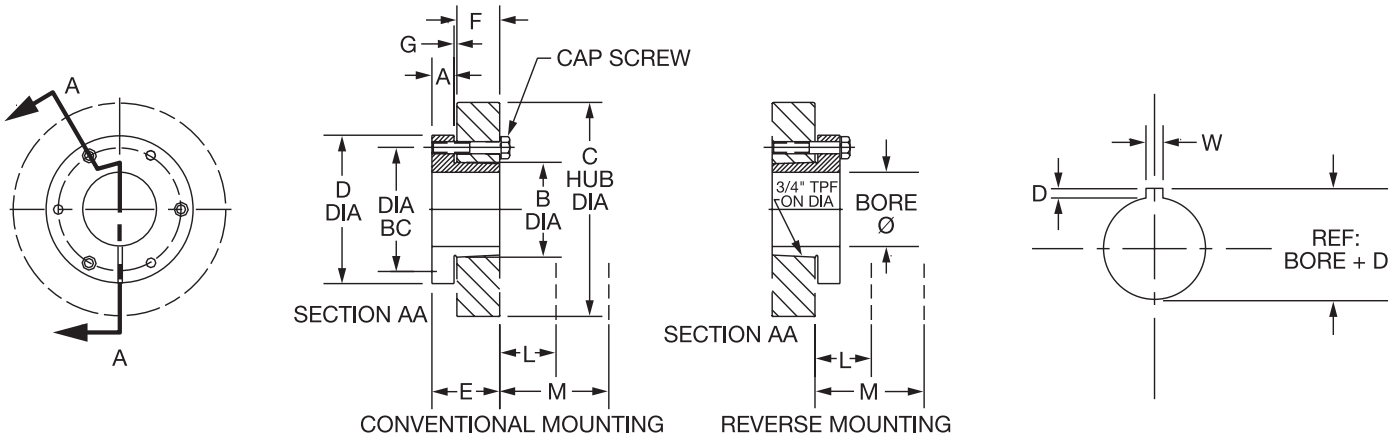
SPECIFICATION

QD Bushing - Metric Bore/Metric Hardware

FEATURES

- DODGE QD-style bushings stocked in popular finish bore sizes and minimum plain bore, for custom reboring
- DODGE Metric QD bushings supplied with metric hex-head cap screws and lock washers
- Stock reborable bushings available for custom reboring
- Reboring and sawsplit available from DODGE for nominal extra charge
  NOTE: Rebore by others must be sawsplit after rebore
- Can be used with DODGE HTD sprockets for conventional mounting only *(English thread hardware required for demounting.)*





DODGE

QD Bushing - Metric Bore/Metric Hardware

Stock Reborable Bushings & Specifications

Bush Sym	Ductile Iron			Dimensions (MM)							
	Part No.	Max Bore	Stock Bore	A MM	B MM	C Hub Dia Iron	C Hub Dia Steel	D MM	E MM	F MM	G MM
QT / (L)	119861	35	10.00	6.40	41.40	76.20	69.90	63.50	33.30	22.20	4.80
JA	119860	25	12.70	7.90	35.10	99.80	57.20	50.80	25.40	14.20	3.10
SH	119862	36	12.70	10.90	47.80	120.70	76.20	66.80	33.30	20.60	3.10
SDS	119863	42	36.51	10.90	55.40	120.70	88.90	80.80	33.30	19.10	3.10
SD	119864	42	39.69	10.90	55.40	96.80	88.90	80.80	46.00	31.80	3.10
SK	119865	55	50.80	14.20	71.40	120.70	114.30	98.60	49.00	31.80	5.60
SF	119866	60	58.74	16.00	79.50	162.10	139.70	117.60	52.30	31.80	5.60
E	119867	82	22.20	22.40	97.30	190.50	165.10	152.40	69.90	41.40	6.40
F	119868	92	25.40	25.40	115.50	196.90	184.20	168.40	95.30	63.50	8.60
J	119869	104	38.10	28.70	130.60	228.60	203.20	184.20	117.60	80.80	9.70
M	119870	130	50.80	31.80	165.10	289.10	254.00	228.60	171.50	131.60	10.40

Bushing			Bolt			
Type	Torque Capacity (Nm)	Center Dia (mm)	Qty	Length (mm)	Size	Bolt Torque (Nm)
QT / (L)	113	50.8	2	22	M6 x 1	9.6
JA	113	42.3	3	25	M5 x 0.8	5.6
SH	395	57.2	3	35	M6 x 1	11.5
SDS	565	68.3	3	35	M6 x 1	11.5
SD	565	68.3	3	50	M6 x 1	11.5
SK	781	84.1	3	50	M8 x 1.25	20.5
SF	1243	98.4	3	50	M10 x 1.5	34.0
E	2260	127.0	3	70	M12 x 1.75	77.0
F	3390	142.9	3	100	M14 x 2	100.0
J	5085	158.8	3	120	M16 x 2	194.5
M	9600	200.0	4	180	M20 x 2.5	256.0

QD Bushing - Metric Series

Metric QD Bushing - Metric Hardware

MM Bore	Bushing No.									MM Keyway	
	QT / (L)	JA	SH	SDS	SD	SK	SF	E	F	W	D
14	-----	117377	-----	-----	-----	-----	-----	-----	-----	5	2.30
19	-----	117371	-----	-----	-----	-----	-----	-----	-----	6	2.80
20	-----	117372	117378	117385	-----	-----	-----	-----	-----	6	2.80
24	-----	117373	117379	117386	117531	117540	-----	-----	-----	8	3.30
25	117356	117374*	117380	117387	117532	117541	117553	-----	-----	8	3.30
28	-----	-----	117381	117388	117533	117542	117554	-----	-----	8	3.30
30	117357	-----	117382	117389	117534	117543	117555	-----	-----	8	3.30
32	117358*	-----	117383*	117390	117535	117544	117556	-----	-----	10	3.30
35	-----	-----	117384*	117391	117536	117545	117557	-----	-----	10	3.30
38	-----	-----	-----	117392	117537	117546	117558	-----	-----	10	3.30
40	-----	-----	-----	117393	117538	117547	117559	117571*	117583*	12	3.30
42	-----	-----	-----	117394*	117539*	117548	117560	-----	117584*	12	3.30
45	-----	-----	-----	-----	-----	117549	117561	-----	-----	14	3.80
48	-----	-----	-----	-----	-----	117550	117562	-----	-----	14	3.80
50	-----	-----	-----	-----	-----	117551	117563	117575*	117587*	14	3.80
55	-----	-----	-----	-----	-----	117552*	117564	117576*	117588*	16	4.30
60	-----	-----	-----	-----	-----	-----	117565*	-----	117589*	18	4.40

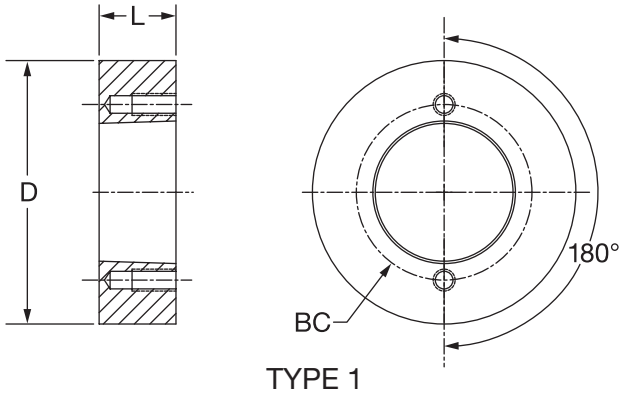
Part Numbers marked (*) are Ductile Iron

PT Component Quick References
Couplings
Clutches and Brakes
FLEXIDYNE
Fluid Couplings
TORQUE-TAMER
Bushings

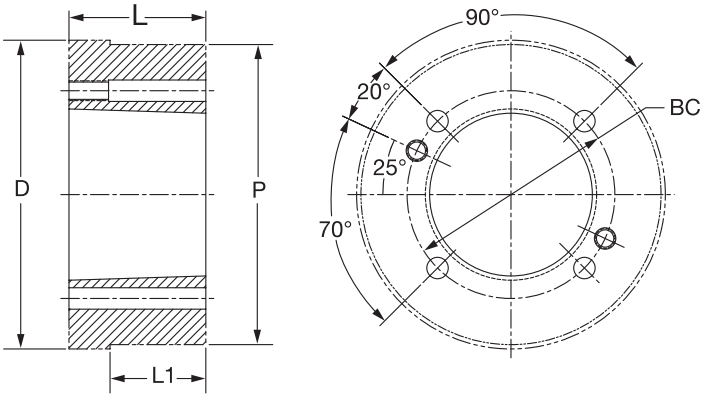
SPECIFICATION

QD Hubs

DODGE QD Weld-On hubs are useful for welding into fan rotors, pulleys, plate sprockets, impellers, agitators, etc. which require secure mounting to the shaft. These hubs are made of low carbon steel for good welding compatibility. The data tabulation shows the standard QD bushings that are used with these hubs.



TYPE 1



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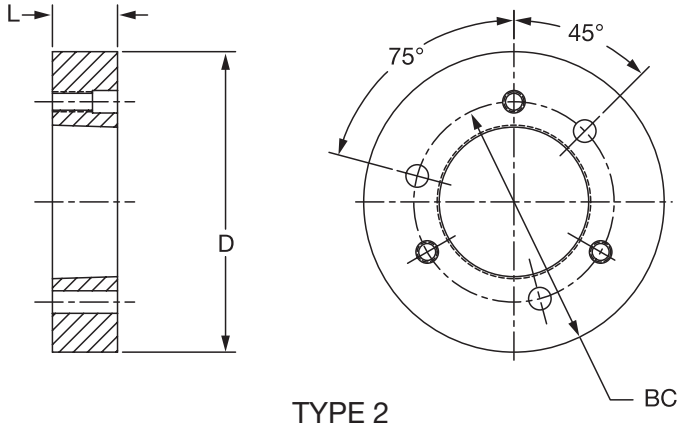

TYPE 2

Hub No.	Part No.	For Bush	Bore Range	Wt. Lbs.	Type	Dimensions					
						D*	L	BC	P	L1	Thread Size
QT-A	**228465**	QT	3/8 to 1-1/2"	0.6	1	2.375	0.88	2.00	2.50	0.17	1/4-20 NC x 3/4
JA-A	**228466**	JA	1/2 to 1-1/4"	0.4	2	2.250	0.56	1.66	....	....	10-24 NC x 1
SH-A	**228467**	SH	1/2 to 1-11/16"	1.0	2	3.000	0.81	2.25	....	....	1/4-20 NC x 1-3/8
SDS-A	**228468**	SDS	1/2 to 2"	1.3	2	3.500	0.75	2.6	....	....	1/4-20 NC x 1-3/8
SK-A	**228469**	SK	1/2 to 2-5/8"	3.0	2	4.375	1.25	3.31	....	....	5/16-18 NC x 2
SF-A	**228470**	SF	1/2 to 2-15/16"	4.0	2	5.000	1.25	3.88	....	....	3/8-16 NC x 2
E-A	**228471**	E	7/8 to 3-1/2"	9.0	2	6.250	1.63	5.00	....	....	1/2-13 NC x 2-3/4
F-A	**228472**	F	1 to 4"	16.0	2	7.000	2.50	5.63	....	....	9/16-12 NC x 3-5/8
J-A	**228473**	J	1-1/2 to 4-1/2"	22.5	2	7.750	3.19	6.25	....	....	5/8-11 NC x 4-1/2
M-A	**228474**	M	2 to 5-1/2"	50.0	3	9.250	5.19	7.88	9.50	3.56	3/4-10 NC x 6-3/4
N-A	**228475**	N	2-7/16 to 5-7/8"	75.0	3	10.250	6.25	8.50	10.50	4.50	7/8-9 NC x 8
P-A	**228476**	P	2-15/16 to 7"	155.0	2	13.000	7.25	10.00	....	....	1-8 NC x 9-1/2
W-A	**228477**	W	4 to 8-1/2"	300.0	2	15.500	9.00	12.75	....	....	1-1/16-7 NC x 11/12

Mounting:

Type 1: Reverse only
Type 2: Conventional or Reverse
Type 3: Conventional Only

* Tolerance:

QT-A Thru J-A = (+0.000"/-0.002")
M-A Thru W-A = (+0.000"/-0.003")

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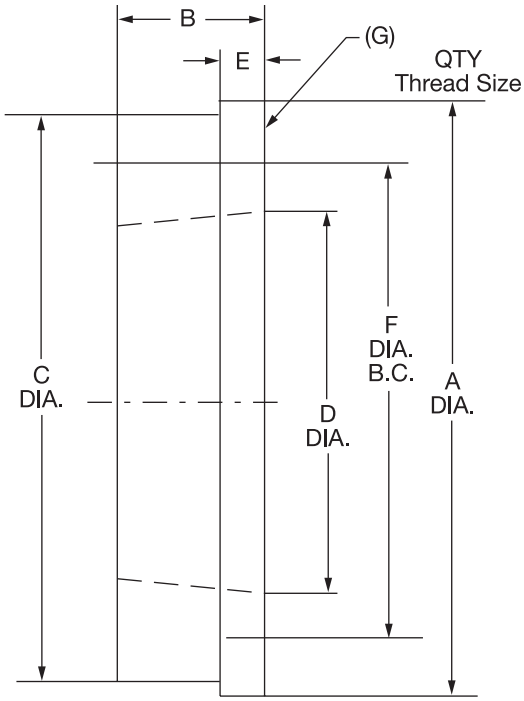
QD Weld-On Hubs For Conveyor Pulleys



DODGE QD Weld-On Hubs for conveyor pulleys are specifically designed for use in the end disc of a conveyor pulley. Their short length through bore provides more forgiveness under the operating stresses of the pulley, These hubs are manufactured from low Carbon steel for good welding compatibility

QD Weld-On Hubs For Conveyor Pulleys

Hub No.	Part No.	For Bush.	Bore Range	Wt. Lbs.	Dimensions						Installation Screws	
					A	B	C #	D (ref)	E	F	Qty	Thread Size
SF	**228110**	SF	1/2 to 2-15/16"	3.9	5.00	1.00	4.750	3.13	0.44	3.88	3	3/8-16 NC x 2
E	**228111**	E	7/8 to 3-1/2"	6.6	6.25	1.13	6.000	3.52	0.50	5.00	3	1/2-13 NC x 2-1/4
F	**228112**	F	1 to 4"	9.3	7.00	1.25	6.750	4.44	0.56	5.63	3	9/16-12 NC x 3-5/8
JS	**228113**	J	1-1/2 to 4-1/2"	17	8.25	1.63	8.000	5.14	0.63	6.25	3	5/8-11 NC x 2-1/2
MS	**228114**	M	2 to 5-1/2"	22	9.50	2.38	9.250	6.50	0.75	7.88	4	3/4-10 NC-10 x 3
NS	**228115**	N	2-7/16 to 5-7/8"	29	10.25	2.38	10.000	7.00	0.81	8.50	4	7/8-9 NC x 3-1/2
PS	**228116**	P	2-15/16 to 7"	75	12.25	2.88	12.000	8.25	0.88	10.00	4	1-8 NC x 4-1/2
WS	**228117**	W	4 to 8-1/2"	85	15.25	3.33	14.875	10.42	0.94	12.75	4	1-1/8-7 NC x 5
SS	**228118**	S	5-1/2 to 10"	139	17.50	3.88	17.000	12.13	1.13	15.00	5	1-1/4-7 NC x 5
ZS	**228119**	Z	7 to 12"	236	22.00	4.88	21.500	15.98	1.25	19.00	5	1-1/8-7 NC x 5

+.000/-.010" Tolerance

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FEATURES/BENEFITS

GRIP-TIGHT Bushings

GRIP-TIGHT is a revolutionary bushing system that will decrease maintenance costs and increase productivity and uptime. The 360° contact provides a secure fit onto the shaft, reduces vibration, eliminates shaft damage and makes the use of keys obsolete.

Features and Benefits:

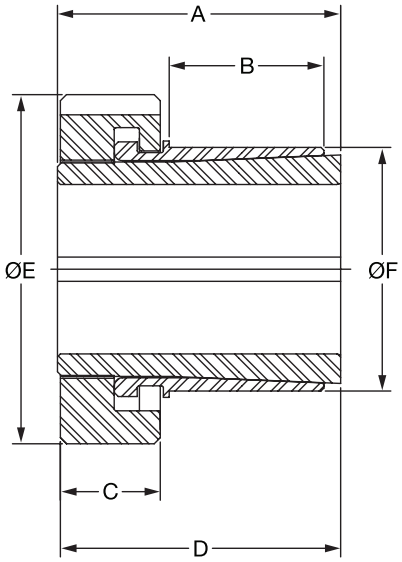
- Concentric contact on shaft for better grip
- Less vibration
- Superior balanced system
- No keyways required
- No fretting corrosion
- Can be used with commercial shafting
- Reduction in material cost
- Easy on, reliable mounting
- Same bushing concept used in bearings, fan hubs, and sheaves

Possible Application:

- Fan hub
- Sheaves and sprockets
- Couplings

NOTE: Installation and maintenance instructions for Dodge products are available on www.dodge-pt.com

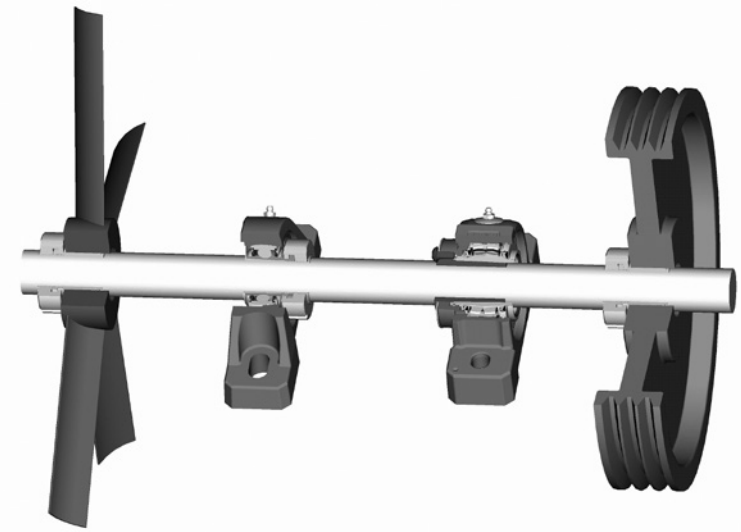
GRIP-TIGHT Bushings - Dimensions



Shaft Size*	Series	Part Number	A	B	C	D	E	F +.002/-.000	Recommended Housing Bore Tolerance	Locknut Rotation From Zero
1	205	**111940**	1.46	0.80	0.52	1.43	1.80	1.256	+.0040" - 0	2/3 Turn
1-3/16	206	**111941**	1.61	0.94	0.53	1.58	2.00	1.445	+.0040" - 0	2/3 Turn
1-7/16	207	**111942**	1.62	0.98	0.53	1.59	2.30	1.693	+.0040" - 0	2/3 Turn
1-1/2	208	**111943**	1.84	1.12	0.53	1.81	2.50	1.932	+.0040" - 0	2/3 Turn
1-11/16	209	**111944**	1.85	1.15	0.53	1.82	2.67	2.080	+.0047" - 0	2/3 Turn
1-15/16	210	**111945**	1.86	1.16	0.53	1.83	2.94	2.312	+.0047" - 0	1 Turn
2-3/16	211	**111946**	1.93	1.23	0.53	1.90	3.25	2.564	+.0047" - 0	1 Turn
2-7/16	212	**111947**	2.12	1.33	0.60	2.09	3.50	2.782	+.0047" - 0	1 Turn
2-11/16	214	**111948**	2.39	1.59	0.62	2.36	3.81	3.083	+.0047" - 0	1 Turn
2-15/16	215	**111949**	2.56	1.66	0.75	2.53	4.25	3.410	+.0055" - 0	1 Turn
3-7/16	218	**111950**	2.77	1.83	0.75	2.94	4.50	3.962	+.0055" - 0	1 Turn

* Other shaft sizes available upon request

NOTE: Installation and maintenance instructions for Dodge products available at www.dodge-pt.com



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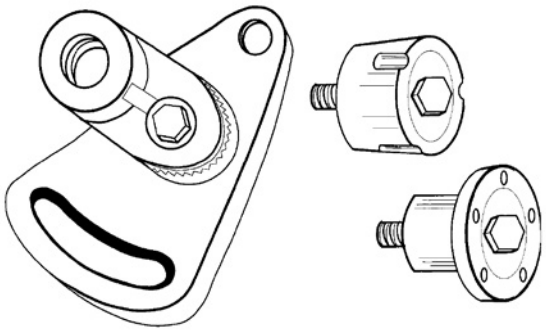
SPECIFICATION

Idler Brackets and Bushings



- Double Adjustable Bracket for Maximum Flexibility
- Positive Ratchet Locking Between Base and Arm
- Idler Bushings in TAPER-LOCK®and QD* Style
- Use with Stock Products, such as: Sheaves, Roller Chain Sprockets, HTD Sprockets · Compatible with Products Machined for: TAPER-LOCK 1610, 2012 and 2517 Bushings; QD SK, SF and E Bushings

* QD is a registered trademark of Emerson Electric.

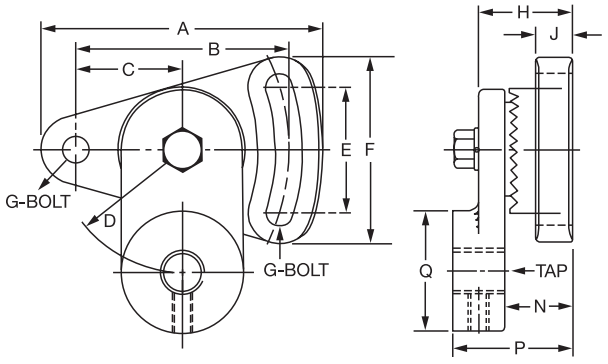
Bracket Specs

		Model No.		
		5	10	20
Part Number		115982	115986	115987
WT.		3.40	3.40	13.50
DIM.	A	4.62	4.63	6.94
	B	3.50	3.50	5.25
	C	1.75	1.75	2.62
	D	2.00	2.00	5.00
DIM.	E	2.06	2.06	3.00
	F	3.06	3.06	4.56
	G	3/8	3/8	5/8
	H	1.63	1.63	2.38
DIM.	J	0.62	0.62	0.88
	N	1.16	1.16	1.63
	P	2.01	2.01	2.94
	Q	2.00	2.00	3.00
	THD	5/8-18	3/4-16	1-14

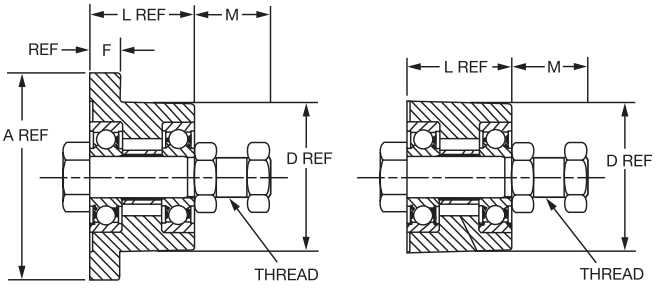
Bushing Specs

Taper-Lock		1610-IDL	2012-IDL	2517-IDL
Part Number		115985	115983	115984
For Brkt No.		5	10	10
DIM.	D	2.25	2.75	3.38
	L	1.00	1.25	1.75
	M	1.38	1.56	1.56
	THD	5/8 -18	3/4-16	3/4-16
	WT.	1.0	1.6	3.0
Bearings		6003	6204	6304

IDLER BRACKETS



IDLER BUSHINGS



QD		SH-IDL	SD-IDL	SK-IDL	SK-IDL - Large	SF-IDL	E-IDL	E-IDL - Large
Part Number		115978	115979	115988	115980	115989	115990	424063
For Brkt No.		–	–	10	–	20	20	–
DIM.	A	2.63	3.18	3.88	3.88	4.63	6.00	6.00
	D	1.88	2.18	2.81	2.81	3.13	3.83	3.83
	F	0.43	0.43	0.56	0.56	0.63	0.88	0.88
	L	1.31	1.81	1.94	1.94	2.08	2.75	2.75
	M	1.69	1.69	1.44	1.44	2.13	2.19	2.19
	Thd.	3/4-10	3/4-10	3/4-16	1-8	1-14	1-14	1-1/4 - 12
	Wt.	2.10	2.50	2.80	2.80	5.00	8.60	12.50
Bearings		6004	6204	6304	6206	6206	6306	6307

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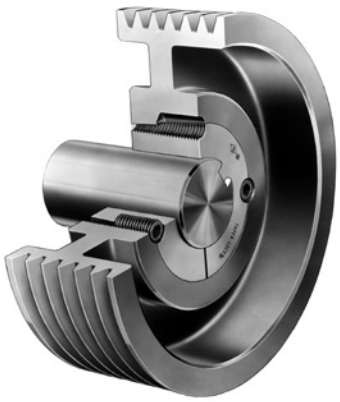
FEATURES/BENEFITS

TAPER-LOCK and QD Sheaves



TAPER-LOCK Sheaves

QD Sheaves

DODGE Branded Sheaves come in two bushing styles, QD and Taper-Lock®. In addition to these bushing choices, DODGE now offers choices within our QD Sheaves line. Our QD Sheave line comes in a Standard Duty (SD) and a Heavy Duty (HD) offering.

Dodge QD SD Sheave Line offers:

- Economical Solution for everyday V-Belt power transmission applications
- Quality materials
- Manufacturing to Industry recognized tolerances
- Power transmission applications standard sheave loads and torque

Great for standard applications, such as air handling and fluid pumping.

Dodge QD HD Sheave Line offers:

- High strength solution for higher torque and heavy load applications
- Rigid Hubs and High strength arms
- Quality materials
- Manufacturing to Industry recognized tolerances

Great for Harsh duty applications, such as Rock Crushers and Wood Chippers.

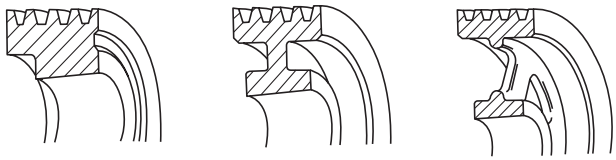
Dodge Taper-Lock Sheave Line offers:

- A premium solution
- A Bushing system that pound for pound carries more torque, than the QD system.
- A Bushing system that reduces overhung load increasing the life of the other power transmission products in the system.
- An easy on and easy off bushing system with fewer components to install.
- Quality materials
- Manufacturing to Industry recognized tolerances

Great for Standard and Harsh duty applications, suitable for all applications.

Sheaves are manufactured in DODGE plants under strict quality control assurances. Precision machining meets or exceeds joint RMA/MPTA industry standards for smooth operation plus extended belt life. DODGE manufactures all sheaves in plants certified to ISO 9002 Quality Standards.

Sheave Construction



Type 1 **Type 2** **Type 3**

DODGE stock sheaves are manufactured from high quality gray iron. They are given a corrosion-resistant finish before packaging and shipping. Sheave construction follows the general format illustrated above: smaller sheaves are of the block construction, intermediate sizes of the web type, and large sheaves of the arm- type construction.

TAPER-LOCK and QD Sheaves

Sheave Balance
Static balance of stock sheaves is suitable for most applications up to a rim speed of 6500 FPM. Dynamic (two-plane) balance is available at extra charge for applications that are more sensitive to vibration. Dynamic balance is recommended for operation above 6500 FPM.

V-Drive Advantages
- Isolates shock loads and vibration.
- Misalignment capability.
- Drive ratios of 6:1 or more possible.
- Stock drive selections up to:

  1100 design HP at 1180 RPM

  800 design HP at 1770 RPM
- Low maintenance.
- No lubrication required.
- Quiet operation: Motors, etc. are normally at a higher db level than V-Drives.
- Efficiency of 93% is typical.

Computer Selection
For fast, accurate evaluation of viable V-Drive alternatives, use the DODGE VIA-VISA software program which is available on the website www.dodge-pt.com. Just type the required information on the user-friendly input screen and let the software do the rest. All the significant data on the drive combinations is presented: Cost, RPM, shaft loading, installation tension, face width and diameter, etc. This is shown in a format that allows you to select the best drive for the application. See page PT7-123 for complete information on VIA-VISA.

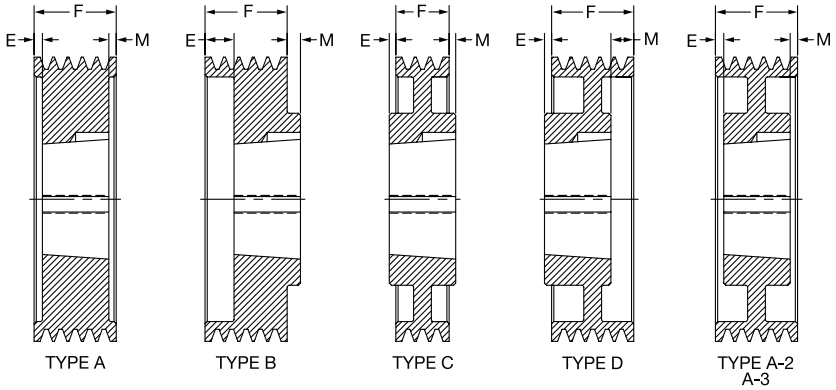
WARNING
Stock sheaves are manufactured from gray iron, which is suitable for operation up to 6500 feet per minute rim speed (e.g. 14, max. dia. on a 1750 RPM motor). Operation above this rim speed may cause sheave failure resulting in personnel and/or equipment damage. Refer to the Made-To-Order sheave section for constructions that are suitable for operation at higher rim speeds.

ARAMIDE CORD BELTS WARNING:

Because of the high horsepower rating of Aramide (Kevlar) cord belts, stock sheaves can not be used. Contact DODGE for made to order high capacity sheaves at 864-234-5700.

SELECTION/DIMENSIONS

3V TAPER-LOCK SHEAVES



1-Groove — **F = ****

O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
2.65	**112124**	1/3V2.65–1108	.75	A1	.06	0
2.8	**112125**	1/3V2.8–1108	.85	A1	.06	0
3.0	**112126**	1/3V3.0–1108	1.0	A1	.06	0
3.15	**112127**	1/3V3.15–1108	1.0	A1	.06	0
3.35	**112175**	1/3V3.35–1610	1.1	A1	.11	.05
3.65	**112176**	1/3V3.65–1610	1.3	A1	.11	.05
4.12	**112177**	1/3V4.12–1610	2.0	A1	.11	.05
4.5	**112178**	1/3V4.5–1610	2.3	A1	.11	.05
4.75	**112179**	1/3V4.75–1610	2.6	A1	.11	.05
5.0	**112180**	1/3V5.0–1610	2.9	A1	.11	.05
5.3	**112181**	1/3V5.3–1610	3.3	A1	.11	.05
5.6	**112182**	1/3V5.6–1610	3.7	A1	.11	.05
6.0	**112183**	1/3V6.0–1610	4.2	B1	0	.31
6.5	**112184**	1/3V6.5–1610	5.0	B1	0	.31
6.9	**112185**	1/3V6.9–1610	5.6	B1	0	.31
8.0	**112008**	1/3V8.0–2517	8.5	B1	0	1.06
10.6	**112009**	1/3V10.6–2517	14.0	B1	0	1.06
14.0	**112010**	1/3V14.0–2517	20.0	C3	0	.94
19.0	**112011**	1/3V19.0–3020	20.0	C3	0	.91

** 2.65–3.15=0.94, 3.35–5.6=1.06, 6.0–10.6=0.69, 14.0=0.81, 19.0=1.09

2-Groove — **F = 1.09**

O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
2.65	**112128**	2/3V2.65–1108	0.75	A1	.06	.13
2.8	**112129**	2/3V2.8–1108	0.90	A1	.06	.13
3.0	**112186**	2/3V3.0–1210	1.4	A1	.11	.05
3.15	**112187**	2/3V3.15–1210	1.0	A1	.11	.05
3.35	**112188**	2/3V3.35–1610	1.5	A1	.11	.05
3.65	**112189**	2/3V3.65–1610	1.6	A1	.11	.05
4.12	**112190**	2/3V4.12–1610	2.1	A1	.11	.05
4.5	**112191**	2/3V4.5–1610	2.7	A1	.11	.05
4.75	**112192**	2/3V4.75–1610	3.1	A1	.11	.05
5.0	**112193**	2/3V5.0–1610	3.6	A1	.11	.05
5.3	**112194**	2/3V5.3–1610	4.2	A1	0	.05
5.6	**112195**	2/3V5.6–1610	4.8	A1	0	.05
6.0	**112196**	2/3V6.0–1610	5.8	A1	.09	0
6.5	**112197**	2/3V6.5–1610	7.0	A1	.09	0
6.9	**112198**	2/3V6.9–1610	8.0	A1	0	.09
8.0	**112023**	2/3V8.0–2517	11.0	B1	0	.66
10.6	**112024**	2/3V10.6–2517	15.0	B1	0	.66
14.0	**112025**	2/3V14.0–2517	22.0	C3	0	.66
19.0	**112026**	2/3V19.0–3020	22.0	C3	0	.91
25.0	**112027**	2/3V25.0–3020	30.0	C3	.125	.78

3-Groove — **F = 1.50**

O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
2.65	**112130**	3/3V2.65–1108	1.0	A1	.06	.56
2.8	**112131**	3/3V2.8–1108	1.1	A1	.06	.56
3.0	**112199**	3/3V3.0–1210	1.8	A1	.11	.40
3.15	**112200**	3/3V3.15–1210	1.5	A1	.11	.40
3.35	**112201**	3/3V3.35–1610	1.8	A1	.11	.40
3.65	**112202**	3/3V3.65–1610	2.0	A1	.11	.40
4.12	**112203**	3/3V4.12–1610	2.6	A1	0	.50
4.5	**112204**	3/3V4.5–1610	3.2	A1	0	.50
4.75	**112205**	3/3V4.75–1610	3.7	A1	0	.50
5.0	**112206**	3/3V5.0–1610	4.2	A1	0	.50
5.3	**112207**	3/3V5.3–1610	4.8	A1	0	.50
5.6	**112208**	3/3V5.6–1610	5.5	A1	0	.50
6.0	**112038**	3/3V6.0–2517	7.4	B1	0	.25
6.5	**112144**	3/3V6.5–2517	9.1	B1	0	.25
6.9	**112145**	3/3V6.9–2517	10.0	B1	0	.25
8.0	**112039**	3/3V8.0–2517	15.0	B1	0	.25
10.6	**112040**	3/3V10.6–2517	18.0	C2	0	.25
14.0	**112041**	3/3V14.0–2517	25.0	C3	0	.25
19.0	**112042**	3/3V19.0–3020	34.0	C3	0	.50
25.0	**112043**	3/3V25.0–3020	36.0	C3	0	.50
33.5	**112044**	3/3V33.5–3020	53.0	C3	.25	.25

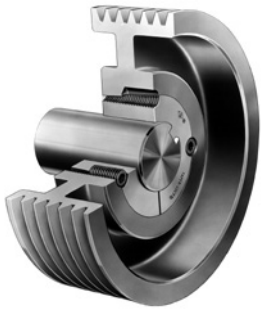
4-Groove — **F = 1.90**

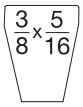
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
2.65	**112132**	4/3V2.65–1108	1.2	A1	.06	.97
2.8	**112133**	4/3V2.8–1108	1.3	A1	.06	.97
3.0	**112209**	4/3V3.0–1210	2.1	A1	.11	.80
3.15	**112210**	4/3V3.15–1210	1.9	A1	.11	.80
3.35	**112211**	4/3V3.35–1610	2.2	A1	.11	.80
3.65	**112212**	4/3V3.65–1610	2.0	A1	.11	.80
4.12	**112213**	4/3V4.12–1610	3.0	A1	0	.91
4.5	**112214**	4/3V4.5–1610	3.7	A1	0	.91
4.75	**112215**	4/3V4.75–1610	4.2	A1	0	.91
5.0	**112216**	4/3V5.0–1610	4.8	A1	0	.91
5.3	**112217**	4/3V5.3–1610	5.5	A1	0	.91
5.6	**112218**	4/3V5.6–1610	6.2	A1	0	.91
6.0	**112053**	4/3V6.0–2517	8.0	A1	0	.16
6.5	**112150**	4/3V6.5–2517	10.0	A1	0	.16
6.9	**112151**	4/3V6.9–2517	12.0	A1	0	.16
8.0	**112054**	4/3V8.0–2517	18.0	A1	0	.16
10.6	**112055**	4/3V10.6–2517	20.0	A2	0	.16
14.0	**112056**	4/3V14.0–2517	29.0	A3	0	.16
19.0	**112275**	4/3V19.0–3020	45.0	C3	0	.09
25.0	**112276**	4/3V25.0–3020	42.0	D3	.19	.09
33.5	**112059**	4/3V33.5–3030	73.0	C3	.55	.55

Δ Pitch diameter = O.D. – .05"

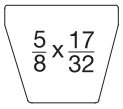
‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

3V TAPER-LOCK SHEAVES

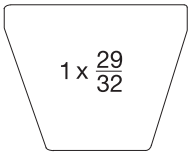




3V
Belt Profile



5V
Belt Profile



8V
Belt Profile

5-Groove						F = 2.31
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
4.5	**112102**	5/3V4.5–1615	4.0	A1	0	.81
4.75	**112103**	5/3V4.75–2517	3.9	A1	.56	0
5.0	**112061**	5/3V5.0–2517	5.4	A1	.56	0
5.30	**112062**	5/3V5.3–2517	6.7	A1	.56	0
5.6	**112063**	5/3V5.6–2517	7.6	A1	.56	0
6.0	**112064**	5/3V6.0–2517	11.0	A1	.56	0
6.5	**112152**	5/3V6.5–2517	11.0	A1	0	.56
6.9	**112153**	5/3V6.9–2517	14.0	A1	0	.56
8.0	**112065**	5/3V8.0–2517	20.0	A1	0	.56
10.6	**112066**	5/3V10.6–2517	27.0	A1	0	.56
14.0	**112067**	5/3V14.0–2517	29.0	A3	0	.56
19.0	**112277**	5/3V19.0–3020	51.0	A3	0	.31
25.0	**112069**	5/3V25.0–3030	58.0	C3	0	.69
33.5	**112070**	5/3V33.5–3030	82.0	C3	.34	.34

6-Groove						F = 2.71
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
4.75	**112071**	6/3V4.75–2517	4.4	A1	.97	0
5.0	**112072**	6/3V5.0–2517	5.4	A1	.97	0
5.3	**112073**	6/3V5.3–2517	6.5	A1	.97	0
5.6	**112074**	6/3V5.6–2517	7.7	A1	.97	0
6.0	**112075**	6/3V6.0–2517	9.5	A1	0	.97
6.5	**112154**	6/3V6.5–2517	12.0	A1	0	.97
6.9	**112155**	6/3V6.9–2517	13.0	A1	0	.97
8.0	**112076**	6/3V8.0–2517	20.0	A1	0	.97
10.6	**112077**	6/3V10.6–2517	29.0	A2	0	.97
14.0	**112078**	6/3V14.0–2517	41.0	A3	.22	.75
19.0	**112278**	6/3V19.0–3020	51.0	A3	0	.72
25.0	**112080**	6/3V25.0–3030	72.0	C3	0	.28
33.5	**112081**	6/3V33.5–3030	92.0	C3	.14	.14

8-Groove						F = 3.53
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
4.75	**112082**	8/3V4.75–2517	5.8	A1	1.78	0
5.0	**112083**	8/3V5.0–2517	6.4	A1	1.78	0
5.3	**112084**	8/3V5.3–2517	7.8	A1	1.03	.75
5.6	**112085**	8/3V5.6–2517	9.2	A1	.25	1.53
6.0	**112086**	8/3V6.0–2517	11.0	A1	.25	1.53
6.5	**112156**	8/3V6.5–2517	14.0	A1	.25	1.53
6.9	**112157**	8/3V6.9–2517	16.0	A1	.25	1.53
8.0	**112087**	8/3V8.0–3020	22.0	A1	.50	1.03
10.6	**112088**	8/3V10.6–3020	28.0	A2	.50	1.03
14.0	**112279**	8/3V14.0–3020	52.0	A3	.65	.87
19.0	**112090**	8/3V19.0–3535	67.0	A3	0	.03
25.0	**112091**	8/3V25.0–3535	75.0	A3	0	.03
33.5	**112092**	8/3V33.5–4040	111.0	C3	.23	.23

10-Groove						F = 4.34
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
4.75	**112093**	10/3V4.75–2517	7.1	A1	2.59	0
5.0	**112094**	10/3V5.0–2517	8.2	A1	2.59	0
5.3	**112158**	10/3V5.3–2517	9.3	A1	1.84	.75
5.6	**112159**	10/3V5.6–2517	10.0	A1	.50	2.09
6.0	**112095**	10/3V6.0–2517	13.0	A1	.50	2.09
6.5	**112160**	10/3V6.5–2517	15.0	A1	.50	2.09
6.9	**112161**	10/3V6.9–2517	18.0	A1	.81	1.78
8.0	**112096**	10/3V8.0–3020	25.0	A1	.25	2.09
10.6	**112097**	10/3V10.6–3020	39.0	A1	.84	1.50
14.0	**112098**	10/3V14.0–3535	57.0	A3	0	.84
19.0	**112099**	10/3V19.0–3535	81.0	A3	0	.84
25.0	**112100**	10/3V25.0–4040	88.0	A3	0	.34
33.5	**112101**	10/3V33.5–4040	128.0	A3	.17	.17

Δ Pitch diameter = O.D. – .05”

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

SELECTION/DIMENSIONS

5V TAPER-LOCK SHEAVES

2-Groove						F = 1.68
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
4.4++	**111200**	2/5V4.4–1610	3.0	A1	.06	.62
4.65++	**111201**	2/5V4.65–1610	3.0	A1	.06	.62
4.9++	**111202**	2/5V4.9–1610	4.0	A1	.06	.62
5.2++	**111203**	2/5V5.2–1610	4.0	A1	.06	.62
5.5++	**111255**	2/5V5.5–1610	5.0	A1	.06	.62
5.9++	**111204**	2/5V5.9–1610	6.0	A1	.06	.62
6.3++	**111205**	2/5V6.3–1610	7.0	A1	0	.68
6.7++	**111206**	2/5V6.7–1610	9.0	A1	0	.68
7.1	**111132**	2/5V7.1–2517	10.0	B1	0	.06
7.5	**111133**	2/5V7.5–2517	12.0	B1	0	.06
8.0	**111134**	2/5V8.0–2517	14.0	B1	0	.06
8.5	**111135**	2/5V8.5–2517	13.0	C2	0	.06
9.0	**111136**	2/5V9.0–2517	16.0	C2	0	.06
9.25	**111137**	2/5V9.25–3020	17.0	B1	0	.31
9.75	**111138**	2/5V9.75–3020	19.0	B1	0	.31
10.3	**111139**	2/5V10.3–3020	22.0	C2	0	.31
10.9	**111140**	2/5V10.9–3020	24.0	C2	0	.31
11.3	**111207**	2/5V11.3–3020	25.0	C2	0	.31
11.8	**111141**	2/5V11.8–3020	26.0	C2	0	.31
12.5	**111142**	2/5V12.5–3020	28.0	C2	0	.31
13.2	**111143**	2/5V13.2–3020	21.0	C3	0	.31
14.0	**111144**	2/5V14.0–3020	23.0	C3	0	.31
15.0	**111145**	2/5V15.0–3020	26.0	C3	0	.31
16.0	**111146**	2/5V16.0–3020	28.0	C3	0	.31
18.7	**111208**	2/5V18.7–3020	40.0	C3	0	.31
21.2	**111147**	2/5V21.2–3535	45.0	C3	.37	1.44
23.6	**111209**	2/5V23.6–3535	56.0	C3	.25	1.56
28.0	**111148**	2/5V28.0–3535	68.0	C3	.37	1.43

3-Groove						F = 2.37
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
4.4++	**111210**	3/5V4.4–1610	4.0	A1	1.38	0
4.65++	**111211**	3/5V4.65–1610	5.0	A1	.06	1.31
4.9++	**111212**	3/5V4.9–1610	5.0	A1	.06	1.31
5.2++	**111213**	3/5V5.2–1610	6.0	A1	.06	1.31
5.5++	**111256**	3/5V5.5–1610	6.0	A1	.06	1.31
5.9++	**111214**	3/5V5.9–2517	7.0	A1	0	.62
6.3++	**111215**	3/5V6.3–2517	9.0	A1	0	.62
6.7++	**111216**	3/5V6.7–2517	10.0	A1	0	.62
7.1	**111001**	3/5V7.1–2517	13.0	A1	0	.62
7.5	**111002**	3/5V7.5–2517	15.0	A1	0	.62
8.0	**111003**	3/5V8.0–2517	18.0	A1	0	.62
8.5	**111004**	3/5V8.5–2517	20.0	A1	0	.62
9.0	**111005**	3/5V9.0–2517	20.0	A1	0	.62
9.25	**111099**	3/5V9.25–3020	21.0	A1	0	.37
9.75	**111100**	3/5V9.75–3020	24.0	A2	0	.37
10.3	**111101**	3/5V10.3–3020	25.0	A2	0	.37
10.9	**111102**	3/5V10.9–3020	27.0	A2	0	.37
11.3	**111217**	3/5V11.3–3020	28.0	A2	0	.37
11.8	**111006**	3/5V11.8–3020	29.0	A2	0	.37
12.5	**111103**	3/5V12.5–3020	32.0	A2	0	.37
13.2	**111007**	3/5V13.2–3020	34.0	A3	0	.37
14.0	**111008**	3/5V14.0–3020	36.0	A3	0	.37
15.0	**111009**	3/5V15.0–3020	36.0	A3	0	.37
16.0	**111010**	3/5V16.0–3020	38.0	A3	0	.37
18.7	**111218**	3/5V18.7–3020	52.0	A3	0	.37
21.2	**111011**	3/5V21.2–3535	60.0	C3	0	1.12
23.6	**111219**	3/5V23.6–3535	68.0	C3	0	1.12
28.0	**111012**	3/5V28.0–3535	83.0	C3	0	1.12
31.5	**111220**	3/5V31.5–3535	96.0	C3	.34	.78
37.5	**111013**	3/5V37.5–4040	124.0	C3	.50	1.12
50.0	**111014**	3/5V50.0–4040	186.0	C3	.50	1.12

Δ Pitch diameter = O.D. – .10”

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See drawings page PT7-2.

++ 5VX Belts only on these sizes.

DODGE

5V TAPER-LOCK SHEAVES

4-Groove						F = 3.06
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
4.4++	**111221**	4/5V4.4–1610	6.0	A1	2.06	0
4.65++	**111222**	4/5V4.65–1610	6.0	A1	2.06	0
4.9++	**111223**	4/5V4.9–1610	6.0	A1	2.06	0
5.2++	**111224**	4/5V5.2–1610	7.0	A1	2.06	0
5.5++	**111225**	4/5V5.5–2517	8.0	A1	1.31	0
5.9++	**111226**	4/5V5.9–2517	10.0	A1	1.31	0
6.3++	**111227**	4/5V6.3–2517	11.0	A1	0	1.31
6.7++	**111228**	4/5V6.7–2517	12.0	A1	0	1.31
7.1	**111020**	4/5V7.1–2517	15.0	A1	0	1.31
7.5	**111021**	4/5V7.5–2517	18.0	A1	0	1.31
8.0	**111022**	4/5V8.0–2517	21.0	A1	0	1.31
8.5	**111023**	4/5V8.5–2517	20.0	A1	0	1.31
9.0	**111035**	4/5V9.0–2517	22.0	A1	0	1.31
9.25	**111104**	4/5V9.25–3020	27.0	A1	0	1.06
9.75	**111105**	4/5V9.75–3020	31.0	A1	0	1.06
10.3	**111106**	4/5V10.3–3020	28.0	A1	0	1.06
10.9	**111107**	4/5V10.9–3020	31.0	A1	0	1.06
11.3	**111229**	4/5V11.3–3020	32.0	A1	0	1.06
11.8	**111025**	4/5V11.8–3020	34.0	A2	0	1.06
12.5	**112280**	4/5V12.5–3020	40.0	A2	0	1.06
13.2	**112281**	4/5V13.2–3020	42.0	A3	0	1.06
14.0	**111028**	4/5V14.0–3535	48.0	C2	.43	0
15.0	**111029**	4/5V15.0–3535	52.0	C3	.43	0
16.0	**111030**	4/5V16.0–3535	53.0	C3	.43	0
18.7	**111230**	4/5V18.7–3535	63.0	C3	.43	0
21.2	**111031**	4/5V21.2–3535	70.0	C3	0	.43
23.6	**111231**	4/5V23.6–3535	79.0	C3	0	.43
28.0	**111032**	4/5V28.0–3535	98.0	C3	0	.43
31.5	**111232**	4/5V31.5–3535	114.0	C3	0	.43
37.5	**111033**	4/5V37.5–4040	148.0	C3	0	.93
50.0	**111034**	4/5V50.0–4040	243.0	C3	0	.93

5-Groove						F = 3.75
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
5.9++	**111233**	5/5V5.9–2517	11.0	A1	.56	1.43
6.3++	**111234**	5/5V6.3–2517	12.0	A1	.56	1.43
6.7++	**111235**	5/5V6.7–2517	13.0	A1	.56	1.43
7.1	**111038**	5/5V7.1–3020	16.0	A1	.50	1.25
7.5	**111039**	5/5V7.5–3020	19.0	A1	.50	1.25
8.0	**111040**	5/5V8.0–3020	22.0	A1	.50	1.25
8.5	**111041**	5/5V8.5–3020	26.0	A1	.50	1.25
9.0	**111042**	5/5V9.0–3020	30.0	A1	.50	1.25
9.25	**111108**	5/5V9.25–3020	31.0	A1	.50	1.25
9.75	**111109**	5/5V9.75–3020	36.0	A1	.50	1.25
10.3	**111110**	5/5V10.3–3020	33.0	A1	.50	1.25
10.9	**111111**	5/5V10.9–3020	36.0	A1	.50	1.25
11.3	**111236**	5/5V11.3–3020	38.0	A1	.50	1.25
11.8	**111043**	5/5V11.8–3020	40.0	A2	.50	1.25
12.5	**111044**	5/5V12.5–3535	54.0	A2	0	.25
13.2	**111045**	5/5V13.2–3535	57.0	A2	0	.25
14.0	**111046**	5/5V14.0–3535	57.0	A3	0	.25
15.0	**111047**	5/5V15.0–3535	65.0	A3	0	.25
16.0	**111048**	5/5V16.0–3535	70.0	A3	0	.25
18.7	**111237**	5/5V18.7–3535	84.0	A3	0	.25
21.2	**111049**	5/5V21.2–4040	81.0	C3	0	.25
23.6	**111238**	5/5V23.6–4040	92.0	C3	0	.25
28.0	**111050**	5/5V28.0–4040	115.0	C3	0	.25
31.5	**111239**	5/5V31.5–4040	155.0	C3	0	.25
37.5	**111051**	5/5V37.5–4040	190.0	C3	0	.25
50.0	**111052**	5/5V50.0–4545	280.0	C3	0	.75

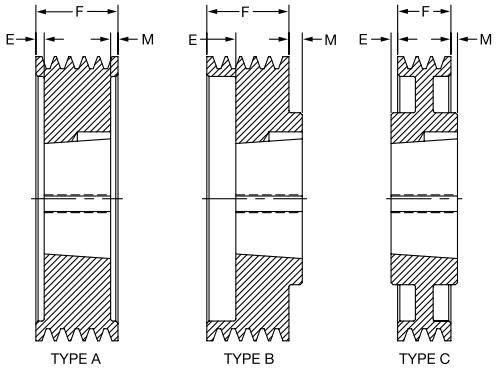
Δ Pitch diameter = O.D. – .10”

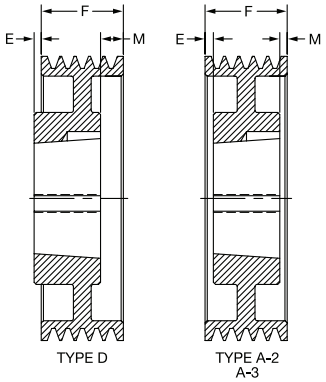
‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See drawings page PT7-2.

++ 5VX Belts only on these sizes.

SELECTION/DIMENSIONS

5V TAPER-LOCK SHEAVES





6-Groove — **F = 4.43**

O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
5.9++	**111240**	6/5V5.9–2517	13.0	A1	1.12	1.56
6.3++	**111241**	6/5V6.3–2517	13.0	A1	.81	1.87
6.7++	**111242**	6/5V6.7–2517	15.0	A1	.81	1.87
7.1	**111056**	6/5V7.1–3020	18.0	A1	.75	1.68
7.5	**111057**	6/5V7.5–3020	21.0	A1	.75	1.68
8.0	**111058**	6/5V8.0–3020	24.0	A1	.75	1.68
8.5	**111059**	6/5V8.5–3020	28.0	A1	.75	1.68
9.0	**111060**	6/5V9.0–3020	32.0	A1	.75	1.68
9.25	**111112**	6/5V9.25–3535	41.0	A1	0	.93
9.75	**111113**	6/5V9.75–3535	48.0	A1	0	.93
10.3	**111114**	6/5V10.3–3535	56.0	A1	0	.93
10.9	**111115**	6/5V10.9–3535	65.0	A1	0	.93
11.3	**111243**	6/5V11.3–3535	53.0	A1	0	.93
11.8	**111061**	6/5V11.8–3535	59.0	A2	0	.93
12.5	**111062**	6/5V12.5–3535	59.0	A2	0	.93
13.2	**111063**	6/5V13.2–3535	67.0	A2	0	.93
14.0	**111064**	6/5V14.0–3535	67.0	A2	0	.93
15.0	**111065**	6/5V15.0–4040	82.0	A2	0	.43
16.0	**111066**	6/5V16.0–4040	84.0	A2	0	.43
18.7	**111244**	6/5V18.7–4040	97.0	A2	0	.43
21.2	**111067**	6/5V21.2–4040	91.0	A3	0	.43
23.6	**111245**	6/5V23.6–4040	124.0	A3	0	.43
28.0	**111068**	6/5V28.0–4040	149.0	A3	0	.43
31.5	**111246**	6/5V31.5–4040	171.0	A3	0	.43
37.5	**111069**	6/5V37.5–4545	214.0	C3	0	.06
50.0	**111070**	6/5V50.0–4545	336.0	D3	.50	.56

8-Groove — **F = 5.81**

O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
7.1	**111075**	8/5V7.1–3030	24.0	A1	1.00	1.81
7.5	**111076**	8/5V7.5–3030	28.0	A1	1.00	1.81
8.0	**111077**	8/5V8.0–3030	33.0	A1	1.00	1.81
8.5	**111078**	8/5V8.5–3030	38.0	A1	1.00	1.81
9.0	**111079**	8/5V9.0–3535	44.0	A1	1.00	1.31
9.25	**111116**	8/5V9.25–3535	45.0	A1	1.00	1.31
9.75	**111117**	8/5V9.75–3535	51.0	A1	1.00	1.31
10.3	**111118**	8/5V10.3–3535	60.0	A1	1.00	1.31
10.9	**111119**	8/5V10.9–3535	68.0	A1	1.00	1.31
11.3	**111247**	8/5V11.3–3535	57.0	A1	1.00	1.31
11.8	**111080**	8/5V11.8–3535	63.0	A1	1.00	1.31
12.5	**111081**	8/5V12.5–4040	102.0	A1	.25	1.56
13.2	**111082**	8/5V13.2–4040	82.0	A1	.25	1.56
14.0	**111083**	8/5V14.0–4040	87.0	A1	.25	1.56
15.0	**111084**	8/5V15.0–4040	97.0	A2	.25	1.56
16.0	**111085**	8/5V16.0–4040	102.0	A2	.25	1.56
18.7	**111248**	8/5V18.7–4040	112.0	A3	.25	1.56
21.2	**111086**	8/5V21.2–4040	129.0	A3	.25	1.56
23.6	**111249**	8/5V23.6–4040	145.0	A3	.25	1.56
28.0	**111087**	8/5V28.0–4545	178.0	A3	.25	1.06
31.5	**111250**	8/5V31.5–4545	228.0	A3	.25	1.06
37.5	**111088**	8/5V37.5–4545	279.0	A3	.25	1.06
50.0	**111089**	8/5V50.0–4545	403.0	A3	.25	1.06

10-Groove — **F = 7.18**

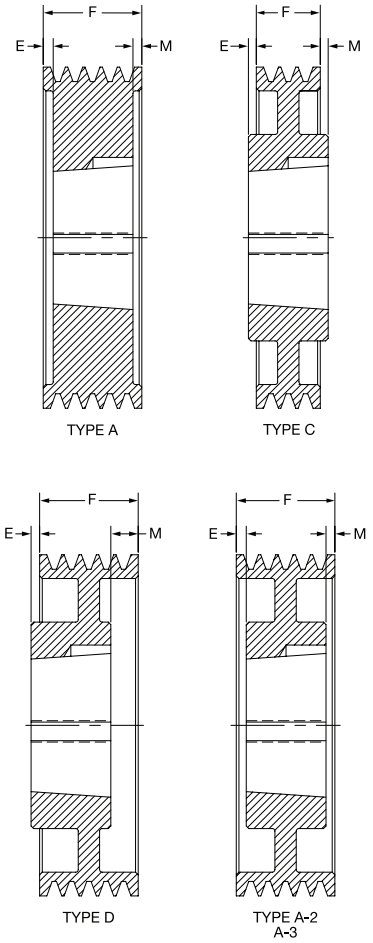
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
8.0	**111120**	10/5V8.0–3030	36.0	A1	1.00	3.18
8.5	**111121**	10/5V8.5–3030	42.0	A1	1.00	3.18
9.0	**111122**	10/5V9.0–3535	47.0	A1	1.00	2.68
9.25	**111123**	10/5V9.25–4040	46.0	A1	1.00	2.18
9.75	**111124**	10/5V9.75–4040	54.0	A1	1.00	2.18
10.3	**111125**	10/5V10.3–4040	64.0	A1	1.00	2.18
10.9	**111126**	10/5V10.9–4040	73.0	A1	1.00	2.18
11.3	**111251**	10/5V11.3–4040	80.0	A1	1.00	2.18
11.8	**111127**	10/5V11.8–4040	92.0	A1	1.00	2.18
12.5	**111090**	10/5V12.5–4040	107.0	A1	.38	2.81
13.2	**111091**	10/5V13.2–4040	107.0	A1	.38	2.81
14.0	**111092**	10/5V14.0–4545	106.0	A1	.75	1.93
15.0	**111093**	10/5V15.0–4545	116.0	A1	.69	2.00
16.0	**111094**	10/5V16.0–4545	126.0	A2	0	2.68
18.7	**111252**	10/5V18.7–4545	116.0	A2	.50	2.18
21.2	**111095**	10/5V21.2–4545	149.0	D3	.50	3.18
23.6	**111253**	10/5V23.6–4545	191.0	A3	.50	2.18
28.0	**111096**	10/5V28.0–4545	227.0	A3	.75	1.93
31.5	**111254**	10/5V31.5–4545	259.0	A3	.75	1.93
37.5	**111097**	10/5V37.5–4545	320.0	A3	.75	1.93
50.0	**111098**	10/5V50.0–5050	471.0	A3	.75	1.43

Δ Pitch diameter = O.D. – .10"

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

++ 5VX Belts only on these sizes.

8V TAPER-LOCK SHEAVES



4-Groove						F = 4.87
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
12.5	**110003**	4/8V12.5–4040	83.0	A1	0	.87
13.2	**110008**	4/8V13.2–4040	125.0	A2	0	.87
14.0	**110950**	4/8V14.0–4040	88.0	A2	0	.87
15.0	**110951**	4/8V15.0–4040	111.0	A2	.50	.37
16.0	**110952**	4/8V16.0–4040	105.0	A2	.44	.44
17.0	**110953**	4/8V17.0–4040	150.0	A2	0	.87
18.0	**110954**	4/8V18.0–4040	150.0	A2	0	.87
19.0	**110955**	4/8V19.0–4040	146.0	A2	0	.87
20.0	**110015**	4/8V20.0–4545	145.0	A2	0	.37
21.2	**110016**	4/8V21.2–4545	138.0	A2	0	.37
22.4	**110004**	4/8V22.4–4545	147.0	A2	0	.37
24.8	**110681**	4/8V24.8–5050	191.0	D3	.94	.81
30.0	**110957**	4/8V30.0–5050	233.0	D3	1.12	1.00
35.5	**110900**	4/8V35.5–5050	278.0	D3	1.12	1.00
40.0	**110006**	4/8V40.0–5050	324.0	D3	1.12	1.00
44.5	**110002**	4/8V44.5–5050	367.0	D3	.25	.12
53.0	**110007**	4/8V53.0–5050	469.0	B3	1.12	1.25

5-Groove						F = 6.00
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
12.5	**110958**	5/8V12.5–4040	96.0	A2	.18	1.81
13.2	**110959**	5/8V13.2–4040	100.0	A2	.18	1.81
14.0	**110960**	5/8V14.0–4040	107.0	A2	.18	1.81
15.0	**110961**	5/8V15.0–4040	106.0	A2	.18	1.81
16.0	**110962**	5/8V16.0–4040	110.0	A2	.50	1.50
17.0	**110023**	5/8V17.0–4545	120.0	A3	0	1.50
18.0	**110024**	5/8V18.0–4545	180.0	A3	0	1.50
19.0	**110025**	5/8V19.0–4545	200.0	A3	0	1.50
20.0	**110026**	5/8V20.0–4545	145.0	A3	0	1.50
21.2	**110027**	5/8V21.2–4545	185.0	A3	0	1.50
22.4	**110028**	5/8V22.4–4545	176.0	A3	0	1.50
24.8	**110682**	5/8V24.8–5050	206.0	A3	0	1.50
30.0	**110029**	5/8V30.0–5050	319.0	D3	.62	1.62
35.5	**110046**	5/8V35.5–5050	399.0	A3	0	1.00
40.0	**110017**	5/8V40.0–5050	350.0	A3	0	1.00
44.5	**110047**	5/8V44.5–5050	572.0	A3	0	1.00
53.0	**110018**	5/8V53.0–5050	565.0	A3	0	1.00

6-Groove						F = 7.12
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
12.5	**110964**	6/8V12.5–4040	98.0	A1	1.00	2.12
13.2	**110965**	6/8V13.2–4040	114.0	A2	1.00	2.12
14.0	**110966**	6/8V14.0–4040	134.0	A2	1.00	2.12
15.0	**110033**	6/8V15.0–4545	146.0	A2	.50	2.12
16.0	**110034**	6/8V16.0–4545	140.0	A2	.12	2.50
17.0	**110035**	6/8V17.0–4545	143.0	A2	.50	2.12
18.0	**110036**	6/8V18.0–4545	164.0	A2	.50	2.12
19.0	**110037**	6/8V19.0–4545	166.0	A3	.50	2.12
20.0	**110967**	6/8V20.0–5050	144.0	D3	1.31	3.43
21.2	**110968**	6/8V21.2–5050	201.0	A3	.19	1.94
22.4	**110969**	6/8V22.4–5050	212.0	D3	1.13	3.25
24.8	**110683**	6/8V24.8–5050	236.0	D3	.13	2.25
30.0	**110041**	6/8V30.0–5050	292.0	A3	.06	2.06
35.5	**110049**	6/8V35.5–5050	363.0	A3	.50	1.62
40.0	**110042**	6/8V40.0–5050	423.0	A3	.50	1.62
44.5	**110064**	6/8V44.5–5050	485.0	A3	.50	1.62
53.0	**110043**	6/8V53.0–5050	621.0	A3	.50	1.62

Δ Pitch diameter = O.D. – .20"

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See drawings page PT7-2.**

SELECTION/DIMENSIONS

8V TAPER-LOCK SHEAVES

8-Groove						F = 9.37
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
12.5	**110050**	8/8V12.5–4545	150.0	A1	1.50	3.37
13.2	**110051**	8/8V13.2–4545	141.0	A2	1.50	3.37
14.0	**110052**	8/8V14.0–4545	160.0	A2	1.50	3.37
15.0	**110053**	8/8V15.0–4545	185.0	A2	1.50	3.37
16.0	**110054**	8/8V16.0–4545	168.0	A2	1.50	3.37
17.0	**110971**	8/8V17.0–5050	179.0	A2	.18	4.18
18.0	**110056**	8/8V18.0–5050	204.0	A2	.18	4.18
19.0	**110057**	8/8V19.0–5050	223.0	A2	.18	4.18
20.0	**110058**	8/8V20.0–5050	178.0	A2	.18	4.18
21.2	**110059**	8/8V21.2–5050	192.0	A3	.18	4.18
22.4	**110060**	8/8V22.4–5050	249.0	A3	.18	4.18
24.8	**110065**	8/8V24.8–5050	285.0	A3	2.12	2.25
30.0	**110061**	8/8V30.0–5050	356.0	A3	1.18	3.18
35.5	**110066**	8/8V35.5–5050	441.0	A3	1.00	3.37
40.0	**110062**	8/8V40.0–5050	517.0	A3	1.00	3.37
44.5	**110973**	8/8V44.5–6050	596.0	A3	1.00	3.37
53.0	**110974**	8/8V53.0–6050	759.0	A3	1.00	3.37

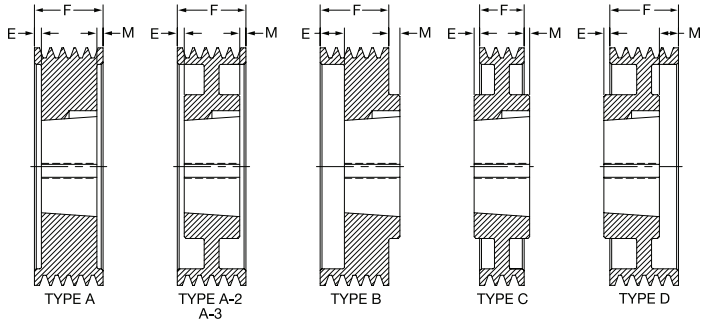
10-Groove						F = 11.62
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
12.5	**- - -**	10/8V12.5–4545	- - -	A1	2.06	5.06
13.2	**110071**	10/8V13.2–4545	150.0	A1	2.06	5.06
14.0	**110072**	10/8V14.0–4545	175.0	A2	2.06	5.06
15.0	**110073**	10/8V15.0–5050	175.0	A2	1.31	4.68
16.0	**110074**	10/8V16.0–5050	200.0	A2	2.18	4.43
17.0	**110075**	10/8V17.0–5050	210.0	A2	2.25	4.37
18.0	**110076**	10/8V18.0–5050	220.0	A2	2.25	4.37
19.0	**110077**	10/8V19.0–5050	240.0	A3	2.25	4.37
20.0	**110078**	10/8V20.0–5050	211.0	A3	2.25	4.37
21.2	**110079**	10/8V21.2–5050	270.0	A3	2.50	4.12
22.4	**110080**	10/8V22.4–5050	291.0	A3	2.25	4.37
24.8	**110068**	10/8V24.8–5050	328.0	A3	2.37	4.25
30.0	**110081**	10/8V30.0–5050	416.0	A3	2.25	4.37
35.5	**110976**	10/8V35.5–6050	517.0	A3	2.25	4.37
40.0	**110977**	10/8V40.0–6050	606.0	A3	2.25	4.37
44.5	**110978**	10/8V44.5–6050	701.0	A3	2.25	4.37
53.0	**110979**	10/8V53.0–6050	898.0	A3	2.25	4.37

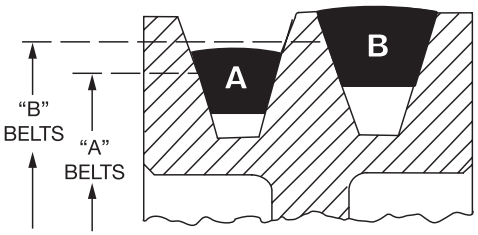
12-Groove						F = 13.87
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
12.5	**110980**	12/8V12.5–5050	153.0	A1	3.18	5.68
13.2	**110981**	12/8V13.2–5050	180.0	A1	3.00	5.87
14.0	**110982**	12/8V14.0–5050	186.0	A1	3.18	5.68
15.0	**110983**	12/8V15.0–5050	221.0	A2	1.88	7.00
16.0	**110984**	12/8V16.0–5050	247.0	A2	1.88	7.00
17.0	**110985**	12/8V17.0–5050	267.0	A2	3.50	5.38
18.0	**110986**	12/8V18.0–5050	274.0	A2	3.53	5.34
19.0	**110987**	12/8V19.0–5050	306.0	A2	2.25	6.62
20.0	**110988**	12/8V20.0–5050	249.0	A3	2.25	6.62
21.2	**110989**	12/8V21.2–5050	294.0	A3	2.25	6.62
22.4	**110990**	12/8V22.4–5050	337.0	A3	2.25	6.62
24.8	**110991**	12/8V24.8–5050	380.0	A3	5.37	3.50
30.0	**110992**	12/8V30.0–6050	482.0	A3	4.00	4.87
35.5	**110993**	12/8V35.5–6050	597.0	A3	4.00	4.87
40.0	**110994**	12/8V40.0–6050	702.0	A3	4.00	4.87
44.5	**110995**	12/8V44.5–6050	814.0	A3	4.00	4.87
53.0	**110996**	12/8V53.0–7060	1077.0	A3	5.00	2.87

Δ Pitch diameter = O.D. – .20"

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See drawings page PT7-2.**

A/B TAPER-LOCK SHEAVES





Drawing illustrates how either A or B belts may be used with Dual Duty groove sheaves.

1-Groove						F = **
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
3.75	**118190**	1A3.0B3.4-1210	1.5	A1	.11	.04
3.95	**118191**	1A3.2B3.6-1210	1.7	A1	.11	.04
4.15	**118301**	1A3.4B3.8-1610	1.5	A1	.11	.04
4.35	**118302**	1A3.6B4.0-1610	1.9	A1	.11	.04
4.55	**118194**	1A3.8B4.2-1610	2.2	A1	.11	.04
4.75	**118195**	1A4.0B4.4-1610	2.5	A1	.11	.04
4.95	**118196**	1A4.2B4.6-1610	2.9	A1	.11	.04
5.15	**118197**	1A4.484.8-1610	3.3	A1	.11	.04
5.35	**118198**	1A4.6B5.0-1610	3.6	A1	.11	.04
5.55	**118199**	1A4.8B5.2-1610	4.1	A1	.11	.04
5.75	**118200**	1A5.085.4-1610	4.5	A1	.11	.04
5.95	**118201**	1A5.2B5.6-1610	4.9	A1	0	0
6.15	**118202**	1A5.4B5.8-1610	5.3	A1	0	0
6.35	**118203**	1A5.686.0-1610	5.8	A1	0	0
6.55	**118204**	1A5.8B6.2-1610	6.3	A1	0	0
6.75	**118205**	1A6.0B6.4-1610	6.8	A1	0	0
6.95	**118206**	1A6.2B6.6-1610	7.5	A1	0	0
7.15	**118207**	1A6.4B6.8-1610	7.8	A1	0	0
7.35	**118340**	1A6.6B7.0-2517	8.5	B1	0	.75
7.75	**118303**	1A7.0B7.4-2517	9.4	B1	0	.75
8.35	**118341**	1A7.6B8.0-2517	11.0	B1	0	.75
8.95	**118304**	1A8.2B8.6-2517	12.0	B1	0	.75
9.75	**118305**	1A9.0B9.4-2517	14.0	B1	0	.75
11.35	**118022**	1A10.6611.0-2517	15.0	B1	0	.75
12.75	**118023**	1A12.0B12.4-2517	114.0	C3	.25	.50
13.95	**118342**	1A13.2B13.6-2517	16.0	C3	.25	.50
15.75	**118024**	1A15.0B15.4-2517	18.0	C3	.38	.38
16.35	**118343**	1A15.6B16.0-2517	22.0	C3	.38	.38
18.75	**118025**	1A18.0B18.4-2517	27.0	C3	.18	.43

Δ P.D. for "A" Belts = O.D. – .37"
P.D. for "B" Belts = O.D. +.01"

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.

** 1.16" for 1A3.0B3.4 thru 1A4.4B4.8
1.05" for 1A4.6B5.0 thru 1A5.0B15.4
1.13" for 1A15.6B16.0 thru 1A18.0B18.4

2-Groove						F = 1.75
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
3.75	**118211**	2A3.0B3.4-1210	2.2	A1	.10	.65
3.95	**118212**	2A3.2B3.6-1210	2.6	A1	.10	.65
4.15	**118306**	2A3.4B3.8-1610	2.5	A1	0	.75
4.35	**118307**	2A3.6B4.0-1610	2.9	A1	0	.75
4.55	**118215**	2A3.8B4.2-1610	3.3	A1	0	.75
4.75	**118216**	2A4.0B4.4-1610	3.7	A1	0	.75
4.95	**118217**	2A4.2B4.6-1610	4.2	A1	0	.75
5.15	**118218**	2A4.4B4.8-1610	4.1	A1	0	.75
5.35	**118219**	2A4.6B5.0-1610	5.0	A1	0	.75
5.55	**118220**	2A4.8B5.2-1610	5.5	A1	0	.75
5.75	**118221**	2A5.0B5.4-1610	5.9	A1	0	.75
5.95	**118222**	2A5.2B5.6-1610	6.5	A1	0	.75
6.15	**118223**	2A5.4B5.8-1610	6.9	A1	0	.75
6.35	**118224**	2A5.6B6.0-1610	7.6	A1	0	.75
6.55	**118225**	2A5.8B6.2-1610	8.2	A1	0	.75
6.75	**118226**	2A6.0B6.4-1610	8.6	A1	0	.75
6.95	**118227**	2A6.2B6.6-1610	9.5	A1	0	.75
7.15	**118228**	2A6.4B6.8-1610	9.8	A1	0	.75
7.35	**118344**	2A6.6B7.0-2517	14.0	A1	0	0
7.75	**118044**	2A7.0B7.4-2517	14.0	A1	0	0
8.35	**118345**	2A7.6B8.0-2517	15.0	C2	0	0
8.95	**118045**	2A8.2B8.6-2517	15.0	C2	0	0
9.75	**118046**	2A9.0B9.4-2517	18.0	C2	0	0
11.35	**118047**	2A10.6B11.0-2517	25.0	C2	0	0
12.75	**118048**	2A12.0B12.4-2517	18.0	C3	0	0
13.95	**118346**	2A13.2B13.6-2517	24.0	C3	0	0
15.75	**118049**	2A15.0B15.4-2517	24.0	C3	0	0
16.35	**118347**	2A15.6B16.0-2517	26.0	C3	0	0
18.75	**118050**	2A18.0B18.4-2517	33.0	C3	0	0
20.35	**114068**	2B20.0-3020	31.0	C3	0	.25
25.35	**114069**	2B25.0-3020	41.0	C3	0	.25
30.35	**114070**	2B30.0-3020	52.0	C3	0	.25
38.35	**114071**	2B38.0-3020	71.0	C3	0	.25

SELECTION/DIMENSIONS

A/B TAPER-LOCK SHEAVES

3-Groove						F = 2.50
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
3.75	**118229**	3A3.0B3.4–1210	3.0	A1	0	1.50
3.95	**118230**	3A3.2B3.6–1210	3.5	A1	0	1.50
4.15	**118308**	3A3.4B3.8–1610	3.4	A1	0	1.50
4.35	**118309**	3A3.6B4.0–1610	4.0	A1	0	1.50
4.55	**118233**	3A3.8B4.2–1610	4.6	A1	0	1.50
4.75	**118234**	3A4.0B4.4–1610	4.9	A1	0	1.50
4.95	**118235**	3A4.2B4.6–1610	5.4	A1	0	1.50
5.15	**118310**	3A4.4B4.8–1610	5.9	A1	0	1.50
5.35	**118311**	3A4.6B5.0–1610	6.4	A1	0	1.50
5.55	**118312**	3A4.8B5.2–1610	7.0	A1	0	1.50
5.75	**118313**	3A5.0B5.4–2517	7.8	A1	.75	0
5.95	**118314**	3A5.2B5.6–2517	8.2	A1	.75	0
6.15	**118315**	3A5.4B5.8–2517	8.9	A1	.75	0
6.35	**118316**	3A5.6B6.0–2517	9.8	A1	.75	0
6.55	**118317**	3A5.8B6.2–2517	11.0	A1	0	.75
6.75	**118318**	3A6.0B6.4–2517	12.0	A1	0	.75
6.95	**118319**	3A6.2B6.6–2517	13.0	A1	0	.75
7.15	**118320**	3A6.4B6.8–2517	14.0	A1	0	.75
7.35	**118348**	3A6.6B7.0–2517	15.0	A1	0	.75
7.75	**118069**	3A7.0B7.4–2517	17.0	A1	.0	.75
8.35	**118349**	3A7.6B8.0–2517	19.0	A1	0	.75
8.95	**118070**	3A8.2B8.6–2517	19.0	A1	0	.75
9.75	**118071**	3A9.0B9.4–2517	21.0	A2	0	.75
11.35	**118072**	3A10.6B11.0–2517	28.0	A2	0	.75
12.75	**118073**	3A12.0B12.4–2517	22.0	A3	0	.75
13.95	**118350**	3A13.2B13.6–2517	25.0	A3	0	.75
15.75	**118074**	3A15.0B15.4–2517	30.0	A3	0	.75
16.35	**118351**	3A15.6B16.0–2517	32.0	A3	0	.75
18.75	**118075**	3A18.0B18.4–2517	39.0	A3	0	.75
20.35	**114072**	3B20.0–3020	39.0	A3	0	.50
25.35	**114073**	3B25.0–3020	52.0	A3	0	.50
30.35	**114074**	3B30.0–3020	66.0	A3	0	.50
38.35	**114033**	3B38.0–3020	103.0	A3	0	.50

4-Groove						F = 3.25
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
3.75	**118247**	4A3.0B3.4–1210	3.7	A1	2.25	0
3.95	**118248**	4A3.2B3.6–1210	4.4	A1	2.25	0
4.15	**118321**	4A3.4B3.8–1610	4.3	A1	2.25	0
4.35	**118322**	4A3.6B4.0–1610	5.1	A1	2.25	0
4.55	**118251**	4A3.8B4.2–1610	5.5	A1	2.25	0
4.75	**118252**	4A4.0B4.4–1610	6.0	A1	2.25	0
4.95	**118253**	4A4.2B4.6–1610	6.7	A1	2.25	0
5.15	**118323**	4A4.4B4.8–1610	7.2	A1	2.25	0
5.35	**118324**	4A4.6B5.0–2517	6.7	A1	1.50	0
5.55	**118325**	4A4.8B5.2–2517	8.0	A1	1.50	0
5.75	**118326**	4A5.0B5.4–2517	8.7	A1	1.50	0
5.95	**118327**	4A5.2B5.6–2517	9.8	A1	1.50	0
6.15	**118328**	4A5.4B5.8–2517	10.0	A1	1.50	0
6.35	**118329**	4A5.6B6.0–2517	12.0	A1	1.50	0
6.55	**118090**	4A5.8B6.2–2517	13.0	A1	0	1.50
6.75	**118091**	4A6.0B6.4–2517	13.0	A1	0	1.50
6.95	**118092**	4A6.2B6.6–2517	15.0	A1	0	1.50
7.15	**118093**	4A6.4B6.8–2517	15.0	A1	0	1.50
7.35	**118352**	4A6.6B7.0–2517	16.0	A1	0	1.50
7.75	**118094**	4A7.0B7.4–2517	19.0	A1	0	1.50
8.35	**118353**	4A7.6B8.0–2517	21.0	A1	0	1.50
8.95	**118095**	4A8.2B8.6–2517	21.0	A1	0	1.50
9.75	**118096**	4A9.0B9.4–2517	24.0	A1	0	1.50
11.35	**118097**	4A10.6B11.0–2517	31.0	A1	0	1.50
12.75	**118098**	4A12.0B12.4–2517	30.0	A3	.37	1.12
13.95	**118354**	4A13.2B13.6–2517	34.0	A3	.37	1.12
15.75	**118099**	4A15.0B15.4–2517	41.0	A3	.37	1.12
16.35	**118355**	4A15.6B16.0–2517	61.0	A3	.37	1.12
18.75	**118100**	4A18.0B18.4–2517	67.0	A3	.48	1.01
20.35	**114075**	4B20.0–3020	58.0	A3	.50	.75
25.35	**114041**	4B25.0–3030	73.0	A3	0	.25
30.35	**114042**	4B30.0–3030	91.0	A3	0	.25
38.35	**114043**	4B38.0–3030	123.0	A3	0	.25

P.D. for "A" Belts = O.D. – .37"

P.D. for "B" Belts = O.D. +.01"

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

A/B TAPER-LOCK SHEAVES

5-Groove						F = 4.00
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
3.75	**118101**	5A3.0B3.4–1215	4.9	A1	.87	1.62
3.95	**118102**	5A3.2B3.6–1215	5.4	A1	.87	1.62
4.15	**118103**	5A3.4B3.8–1215	5.1	A1	.87	1.62
4.35	**118104**	5A3.6B4.0–1215	6.1	A1	.87	1.62
4.55	**118105**	5A3.8B4.2–1615	6.6	A1	.87	1.62
4.75	**118106**	5A4.0B4.4–1615	6.9	A1	.87	1.62
4.95	**118107**	5A4.2B4.6–1615	8.6	A1	.87	1.62
5.15	**118356**	5A4.4B4.8–1615	9.4	A1	.87	1.62
5.35	**118109**	5A4.6B5.0–1615	9.2	A1	.87	1.62
5.55	**118110**	5A4.8B5.2–1615	9.9	A1	.87	1.62
5.75	**118111**	5A5.0B5.4–2517	11.0	A1	.81	1.43
5.95	**118112**	5A5.2B5.6–2517	11.0	A1	.81	1.43
6.15	**118357**	5A5.4B5.8–2517	13.0	A1	.81	1.43
6.35	**118114**	5A5.6B6.0–2517	13.0	A1	.81	1.43
6.55	**118358**	5A5.8B6.2–2517	14.0	A1	.81	1.43
6.75	**118116**	5A6.0B6.4–2517	15.0	A1	.81	1.43
6.95	**118359**	5A6.2B6.6–2517	16.0	A1	.81	1.43
7.15	**118118**	5A6.4B6.8–2517	18.0	A1	.81	1.43
7.35	**118360**	5A6.6B7.0–2517	18.0	A1	.75	1.50
7.75	**118119**	5A7.0B7.4–2517	22.0	A1	.75	1.50
8.35	**118361**	5A7.6B8.0–2517	23.0	A1	.50	1.75
8.95	**118120**	5A8.2B8.6–2517	24.0	A1	.75	1.50
9.75	**118121**	5A9.0B9.4–2517	26.0	A1	.75	1.50
11.35	**118122**	5A10.6B11.0–2517	32.0	A2	.75	1.50
12.75	**118123**	5A12.0B12.4–2517	35.0	A3	.75	1.50
13.95	**118362**	5A13.2B13.6–2517	38.0	A3	1.00	1.25
15.75	**118124**	5A15.0B15.4–2517	43.0	A3	.75	1.50
16.35	**118363**	5A15.6B16.0–2517	67.0	A3	.75	1.50
18.75	**118125**	5A18.0B18.4–2517	70.0	A3	.81	1.44
20.35	**114050**	5B20.0–3030	65.0	A3	.25	.75
25.35	**114051**	5B25.0–3030	84.0	A3	.25	.75
30.35	**114052**	5B30.0–3030	105.0	A3	.38	.63
38.35	**114053**	5B38.0–3030	144.0	A3	.25	.75

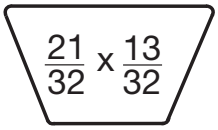
6-Groove						F = 4.75
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
4.55	**118130**	6A3.8B4.2–1615	7.9	A1	1.25	2.00
4.75	**118131**	6A4.0B4.4–1615	9.3	A1	1.25	2.00
4.95	**118132**	6A4.2B4.6–1615	9.7	A1	1.25	2.00
5.15	**118364**	6A4.4B4.8–1615	11.0	A1	1.25	2.00
5.35	**118134**	6A4.6B5.0–1615	10.0	A1	1.25	2.00
5.55	**118135**	6A4.8B5.2–1615	11.0	A1	1.25	2.00
5.75	**118136**	6A5.0B5.4–2517	12.0	A1	1.12	1.87
5.95	**118137**	6A5.2B5.6–2517	13.0	A1	1.12	1.87
6.15	**118365**	6A5.4B5.8–2517	14.0	A1	1.12	1.87
6.35	**118139**	6A5.6B6.0–2517	15.0	A1	1.12	1.87
6.55	**118366**	6A5.8B6.2–2517	16.0	A1	1.12	1.87
6.75	**118141**	6A6.0B6.4–2517	19.0	A1	1.12	1.87
6.95	**118367**	6A6.2B6.6–2517	20.0	A1	1.12	1.87
7.15	**118143**	6A6.4B6.8–2517	20.0	A1	1.12	1.87
7.35	**118368**	6A6.6B7.0–2517	21.0	A1	1.50	1.50
7.75	**118144**	6A7.0B7.4–2517	24.0	A1	1.12	1.87
8.35	**118369**	6A7.6B8.0–2517	26.0	A1	1.50	1.50
8.95	**118145**	6A8.2B8.6–2517	30.0	A2	1.50	1.50
9.75	**118146**	6A9.0B9.4–2517	30.0	A2	1.12	1.87
11.35	**118147**	6A10.6B11.0–2517	33.0	A2	1.12	1.87
12.75	**118148**	6A12.0B12.4–2517	37.0	A3	1.50	1.50
13.95	**118370**	6A13.2B13.6–2517	42.0	A3	1.50	1.50
15.75	**118149**	6A15.0B15.4–2517	47.0	A3	1.50	1.50
16.35	**118371**	6A15.6B16.0–2517	53.0	A3	1.50	1.50
18.75	**118150**	6A18.0B18.4–2517	68.0	A3	1.50	1.50
20.35	**114060**	6B20.0–3030	73.0	A3	.50	1.25
25.35	**114061**	6B25.0–3030	95.0	A3	.50	1.25
30.35	**114062**	6B30.0–3030	119.0	A3	.50	1.25
38.35	**114063**	6B38.0–3030	164.0	A3	.50	1.25

Δ P.D. for "A" Belts = O.D. – .37"
P.D. for "B" Belts = O.D. +.01"

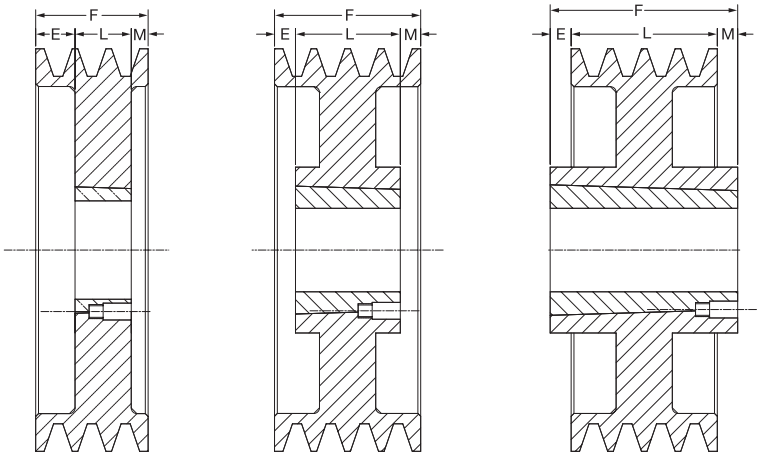
‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

SELECTION/DIMENSIONS

B TAPER-LOCK SHEAVES



B

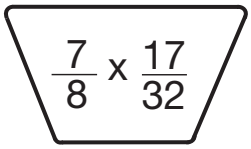


TYPE A | TYPE A-2 A-3 | TYPE C

8-Groove						F = 6.25
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
5.75	**114114**	8B5.4–2517	15.0	A1	1.87	2.62
5.95	**114115**	8B5.6–2517	17.0	A1	1.87	2.62
6.35	**114116**	8B6.0–2517	19.0	A1	1.87	2.62
6.75	**114117**	8B6.4–2517	22.0	A1	1.87	2.62
7.15	**114118**	8B6.8–2517	26.0	A1	1.87	2.62
7.75	**114119**	8B7.4–2517	34.0	A1	1.87	2.62
8.95	**114130**	8B8.6–3030	37.0	A1	1.00	2.25
9.75	**114131**	8B9.4–3030	37.0	A1	1.00	2.25
11.35	**114132**	8B11.0–3030	46.0	A1	1.13	2.13
12.75	**114133**	8B12.4–3030	46.0	A2	1.00	2.25
15.75	**114134**	8B15.4–3030	66.0	A2	1.00	2.25
18.75	**114135**	8B18.4–3030	81.0	A3	1.00	2.25
20.35	**114136**	8B20.0–3030	87.0	A3	1.00	2.25
25.35	**114137**	8B25.0–3535	115.0	A3	.75	2.00
30.35	**114138**	8B30.0–3535	146.0	A3	.75	2.00
38.35	**114139**	8B38.0–4040	204.0	A3	1.12	1.12

10-Groove						F = 7.75
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
5.75	**114150**	10B5.4–2517	18.0	A1	3.00	3.00
5.95	**114151**	10B5.6–2517	20.0	A1	3.00	3.00
6.35	**114152**	10B6.0–2517	22.0	A1	3.00	3.00
6.75	**114153**	10B6.4–2517	26.0	A1	3.00	3.00
7.15	**114154**	10B6.8–2517	29.0	A1	3.00	3.00
7.75	**114155**	10B7.4–2517	35.0	A1	3.00	3.00
8.95	**114170**	10B8.6–3030	43.0	A1	2.00	2.75
9.75	**114171**	10B9.4–3030	47.0	A1	2.00	2.75
11.35	**114172**	10B11.0–3030	58.0	A1	2.00	2.75

C TAPER-LOCK SHEAVES



C

2-Groove						F = 2.37
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
7.4	**115162**	2C7.0–2517	15.0	A1	0	.62
7.9	**115163**	2C7.5–2517	18.0	A1	0	.62
8.4	**115164**	2C8.0–2517	20.0	A1	0	.62
8.9	**115165**	2C8.5–2517	22.0	A1	0	.62
9.4	**115166**	2C9.0–2517	21.0	A1	0	.62
9.9	**115186**	2C9.5–2517	24.0	A1	0	.62
10.4	**115171**	2C10.0–2517	25.0	A2	0	.62
10.9	**115187**	2C10.5–2517	26.0	A2	0	.62
11.4	**115174**	2C11.0–2517	27.0	A2	0	.62
12.4	**115175**	2C12.0–2517	28.0	A2	0	.62
13.4	**115176**	2C13.0–2517	33.0	A3	0	.62
14.4	**115177**	2C14.0–2517	35.0	A3	0	.62
16.4	**115178**	2C16.0–2517	38.0	A3	0	.62
18.4	**115325**	2C18.0–3020	42.0	A3	0	.37
20.4	**115326**	2C20.0–3020	44.0	A3	0	.37
24.4	**115327**	2C24.0–3020	56.0	A3	0	.37
30.4	**115000**	2C30.0–3535	85.0	C3	.50	.63

3-Groove						F = 3.37
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
7.4	**115130**	3C7.0–2517	18.0	A1	.25	1.37
7.9	**115131**	3C7.5–2517	19.0	A1	.25	1.37
8.4	**115132**	3C8.0–2517	21.0	A1	0	1.62
8.9	**115133**	3C8.5–2517	23.0	A1	.25	1.37
9.4	**115001**	3C9.0–2517	24.0	A1	.25	1.37
9.9	**115188**	3C9.5–2517	25.0	A1	.25	1.37
10.4	**115016**	3C10.0–2517	27.0	A1	.25	1.37
10.9	**115189**	3C10.5–2517	28.0	A1	.25	1.37
11.4	**115006**	3C11.0–2517	29.0	A1	.25	1.37
12.4	**115328**	3C12.0–3020	44.0	A2	0	1.37
13.4	**115329**	3C13.0–3020	49.0	A3	0	1.37
14.4	**115330**	3C14.0–3020	50.0	A3	0	1.37
16.4	**115331**	3C16.0–3020	64.0	A3	.06	1.31
18.4	**115014**	3C18.0–3030	72.0	A3	0	.37
20.4	**115009**	3C20.0–3030	79.0	A3	0	.37
24.4	**115010**	3C24.0–3030	90.0	A3	0	.37
30.4	**115011**	3C30.0–3535	135.0	C3	0	.12
36.4	**115012**	3C36.0–3535	175.0	C3	0	.12

Δ P.D. for "B" Belts = O.D. + .01"
P.D. for "C" Belts = O.D.

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

DODGE

C TAPER-LOCK SHEAVES

4-Groove — F = 4.37

O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
7.4	**115135**	4C7.0–2517	20.0	A1	1.12	1.50
7.9	**115136**	4C7.5–2517	21.0	A1	1.13	1.50
8.4	**115137**	4C8.0–2517	24.0	A1	.50	2.13
8.9	**115138**	4C8.5–2517	25.0	A1	.50	2.13
9.4	**115017**	4C9.0–2517	26.0	A1	.50	2.13
9.9	**115190**	4C9.5–2517	29.0	A1	.50	2.13
10.4	**115032**	4C10.0–2517	31.0	A1	.50	2.13
10.9	**115191**	4C10.5–2517	32.0	A1	.50	2.13
11.4	**115022**	4C11.0–2517	34.0	A1	.50	2.13
12.4	**115151**	4C12.0–3030	52.0	A2	0	1.37
13.4	**115023**	4C13.0–3030	56.0	A3	0	1.37
14.4	**115155**	4C14.0–3030	63.0	A3	0	1.37
16.4	**115024**	4C16.0–3030	71.0	A3	0	1.37
18.4	**115030**	4C18.0–3030	81.0	A3	.18	1.18
20.4	**115025**	4C20.0–3030	80.0	A3	0	1.37
24.4	**115026**	4C24.0–3030	98.0	A3	0	1.37
30.4	**115027**	4C30.0–3535	130.0	A3	.31	.56
36.4	**115028**	4C36.0–3535	165.0	A3	0	.87
44.4	**115029**	4C44.0–4040	240.0	A3	0	.37

5-Groove — F = 5.37

O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
7.4	**115140**	5C7.0–2517	23.0	A1	1.50	2.12
7.9	**115141**	5C7.5–2517	25.0	A1	1.50	2.12
8.4	**115142**	5C8.0–2517	30.0	A1	1.50	2.12
8.9	**115143**	5C8.5–2517	32.0	A1	1.50	2.12
9.4	**115033**	5C9.0–2517	35.0	A1	1.50	2.12
9.9	**115192**	5C9.5–2517	36.0	A1	1.50	2.12
10.4	**115048**	5C10.0–2517	39.0	A1	1.50	2.12
10.9	**115193**	5C10.5–2517	42.0	A1	1.50	2.12
11.4	**115038**	5C11.0–2517	43.0	A1	1.50	2.12
12.4	**115152**	5C12.0–3030	58.0	A1	.69	1.69
13.4	**115039**	5C13.0–3030	63.0	A2	.50	1.87
14.4	**115156**	5C14.0–3030	65.0	A2	.50	1.87
16.4	**115040**	5C16.0–3030	86.0	A3	.50	1.87
18.4	**115036**	5C18.0–3030	105.0	A3	.69	1.69
20.4	**115041**	5C20.0–3535	91.0	A3	0	1.87
24.4	**115042**	5C24.0–3535	114.0	A3	.37	1.50
30.4	**115043**	5C30.0–3535	152.0	A3	.38	1.50
36.4	**115044**	5C36.0–4040	216.0	A3	.25	1.12
44.4	**115045**	5C44.0–4040	278.0	A3	.25	1.12

6-Groove — F = 6.37

O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
7.4	**115145**	6C7.0–3030	33.0	A1	1.00	2.37
7.9	**115146**	6C7.5–3030	38.0	A1	1.00	2.37
8.4	**115147**	6C8.0–3030	43.0	A1	1.00	2.37
8.9	**115148**	6C8.5–3030	49.0	A1	1.00	2.37
9.4	**115049**	6C9.0–3030	54.0	A1	1.00	2.37
9.9	**115194**	6C9.5–3030	57.0	A1	1.00	2.37
10.4	**115064**	6C10.0–3030	61.0	A1	1.00	2.37
10.9	**115195**	6C10.5–3030	56.0	A1	1.00	2.37
11.4	**115054**	6C11.0–3030	58.0	A1	1.00	2.37
12.4	**115153**	6C12.0–3030	66.0	A1	1.00	2.37
13.4	**115055**	6C13.0–3030	69.0	A2	1.00	2.37
14.4	**115157**	6C14.0–3535	85.0	A2	.50	2.37
16.4	**115056**	6C16.0–3535	100.0	A3	.50	2.37
18.4	**115062**	6C18.0–3535	115.0	A3	.75	2.12
20.4	**115057**	6C20.0–3535	103.0	A3	.87	2.00
24.4	**115058**	6C24.0–3535	129.0	A3	.87	2.00
30.4	**115059**	6C30.0–4040	195.0	A3	1.00	1.37
36.4	**115060**	6C36.0–4040	243.0	A3	1.00	1.37
44.4	**115061**	6C44.0–4040	315.0	A3	1.00	1.37

8-Groove — F = 8.37

O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
8.4	**115160**	8C8.0–3030	59.0	A1	2.00	3.37
8.9	**115161**	8C8.5–3030	62.0	A1	2.00	3.37
9.4	**115081**	8C9.0–3535	64.0	A1	1.50	3.37
9.9	**115196**	8C9.5–3535	73.0	A1	1.50	3.37
10.4	**115096**	8C10.0–3535	81.0	A1	1.50	3.37
10.9	**115197**	8C10.5–3535	85.0	A1	1.50	3.37
11.4	**115086**	8C11.0–3535	87.0	A1	1.50	3.37
12.4	**115185**	8C12.0–3535	90.0	A1	1.50	3.37
13.4	**115087**	8C13.0–3535	97.0	A1	1.50	3.37
14.4	**115097**	8C14.0–3535	105.0	A1	1.50	3.37
16.4	**115088**	8C16.0–3535	125.0	A3	1.50	3.37
18.4	**115098**	8C18.0–4040	155.0	A3	1.50	2.87
20.4	**115089**	8C20.0–4040	151.0	A3	1.50	2.87
24.4	**115090**	8C24.0–4040	183.0	A3	1.50	2.87
30.4	**115091**	8C30.0–4040	237.0	A3	1.50	2.87
36.4	**115092**	8C36.0–4545	322.0	A3	1.25	2.62
44.4	**115093**	8C44.0–4545	411.0	A3	1.25	2.62

10-Groove — F = 10.37

O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
9.4	**115351**	10C9.0–4545	84.0	A1	1.50	4.37
9.9	**115352**	10C9.5–4545	101.0	A1	1.50	4.37
10.4	**115353**	10C10.0–4545	104.0	A1	1.50	4.37
10.9	**115354**	10C10.5–4545	108.0	A1	1.50	4.37
11.4	**115355**	10C11.0–4545	128.0	A1	1.50	4.37
12.4	**115356**	10C12.0–4545	148.0	A1	1.50	4.37
13.4	**115349**	10C13.0–4545	168.0	A1	2.00	3.87
14.4	**115357**	10C14.0–4545	205.0	A1	2.00	3.87
16.4	**115358**	10C16.0–4545	237.0	A1	2.00	3.87
18.4	**115359**	10C18.0–4545	270.0	A3	2.00	3.87
20.4	**115360**	10C20.0–4545	176.0	A3	2.00	3.87
24.4	**115361**	10C24.0–5050	242.0	A3	1.50	3.87
30.4	**115123**	10C30.0–4545	303.0	A3	2.00	3.87
36.4	**115124**	10C36.0–4545	375.0	A3	2.00	3.87
44.4	**115125**	10C44.0–4545	484.0	A3	2.00	3.87

12-Groove — F = 12.37

O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
9.4	**115065**	12C9.0–4040	87.0	A1	3.50	4.87
9.9	**115066**	12C9.5–4040	90.0	A1	3.50	4.87
10.4	**115067**	12C10.0–4040	95.0	A1	3.50	4.87
10.9	**115068**	12C10.5–4040	104.0	A1	3.50	4.87
11.4	**115069**	12C11.0–4040	125.0	A1	3.50	4.87
12.4	**115070**	12C12.0–4040	140.0	A1	3.50	4.87
13.4	**115071**	12C13.0–4545	173.0	A1	3.00	4.87
14.4	**115072**	12C14.0–4545	177.0	A1	3.00	4.87

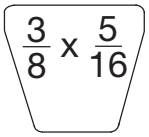
Δ P.D. for "C" Belts = O.D.

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

SELECTION/DIMENSIONS

DODGE

3V QD SHEAVES - Heavy Duty



1-Groove — **F = ***

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
2.2	**455100**	1/3V2.2–JA	0.93	E1	0.50	0.51
2.35	**455101**	1/3V2.35–JA	1.1	E1	0.50	0.51
2.5	**455102**	1/3V2.5–JA	1.2	E1	0.50	0.51
2.65	**455103**	1/3V2.65–JA	1.4	D1	0.14	0.37
2.8	**455104**	1/3V2.8–JA	1.5	D1	0.14	0.37
3.0	**455105**	1/3V3.00–JA	1.6	D1	0.14	0.37
3.15	**455106**	1/3V3.15–JA	1.7	D1	0.14	0.37
3.35	**455107**	1/3V3.35–JA	1.8	D1	0.14	0.37
3.65	**455108**	1/3V3.65–SH	2.2	D1	0.11	0.57
4.12	**455109**	1/3V4.12–SH	2.7	D1	0.05	0.63
4.5	**455110**	1/3V4.5–SH	3.1	D1	0.05	0.63
4.75	**455111**	1/3V4.75–SH	3.4	D1	0.05	0.63
5.0	**455112**	1/3V5.0–SH	3.7	C1	0.00	0.68
5.3	**455113**	1/3V5.3–SH	3.9	C1	0.00	0.68
5.6	**455114**	1/3V5.6–SH	4.4	C1	0.00	0.68
6.0	**455115**	1/3V6.0–SH	4.5	C1	0.00	0.68
6.5	**455116**	1/3V6.5–SH	4.6	C1	0.00	0.68
6.9	**455117**	1/3V6.9–SH	4.8	C1	0.00	0.68
8.0	**455118**	1/3V8.0–SDS	6.6	C1	0.06	0.64
10.6	**455119**	1/3V10.6–SDS	8.5	C2	0.12	0.58
14.0	**455120**	1/3V14.0–SK	14.0	C3	0.44	1.33
19.0	**455121**	1/3V19.0–SK	20.0	C3	0.16	1.05

* F=1.19 2.2 – 2.5, F=1.09 2.65 – 3.65 & 14.0 – 19.0, F=0.93 4.12 – 4.75, F=0.81 5.0 – 6

2-Groove — **F = 1.09**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
2.2	**455122**	2/3V2.2–JA	1.2	E1	0.50	0.51
2.35	**455123**	2/3V2.35–JA	1.3	E1	0.50	0.51
2.5	**455124**	2/3V2.5–JA	1.5	E1	0.50	0.51
2.65	**455125**	2/3V2.65–JA	1.6	D1	0.14	0.37
2.8	**455126**	2/3V2.8–JA	1.7	D1	0.14	0.37
3.0	**455127**	2/3V3.0–JA	2.0	D1	0.14	0.37
3.15	**455128**	2/3V3.15–JA	2.1	D1	0.14	0.37
3.35	**455129**	2/3V3.35–SH	2.2	D1	0.11	0.57
3.65	**455130**	2/3V3.65–SH	2.6	D1	0.11	0.57
4.12	**455131**	2/3V4.12–SH	3.2	C1	0.28	0.40
4.5	**455132**	2/3V4.5–SH	3.8	C1	0.28	0.40
4.75	**455133**	2/3V4.75–SH	4.1	C1	0.28	0.40
5.0	**455134**	2/3V5.0–SH	4.6	C1	0.28	0.40
5.3	**455135**	2/3V5.3–SH	5.1	C1	0.28	0.40
5.6	**455136**	2/3V5.6–SH	5.6	C1	0.28	0.40
6.0	**455137**	2/3V6.0–SH	5.8	C1	0.12	0.56
6.5	**455138**	2/3V6.5–SDS	6.0	C1	0.34	0.36
6.9	**455139**	2/3V6.9–SDS	6.6	C1	0.34	0.36
8.0	**455140**	2/3V8.0–SDS	7.8	C1	0.34	0.36
10.6	**455141**	2/3V10.6–SK	14.0	C1	0.25	0.64
14.0	**455142**	2/3V14.0–SK	17.0	D3	0.25	0.64
19.0	**455143**	2/3V19.0–SK	24.0	D3	0.00	0.89
25.0	**455144**	2/3V25.0–SF	29.0	D3	0.18	0.76

3-Groove — **F = 1.50**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
2.5	**455145**	3/3V2.50–JA	1.9	E1	0.44	0.51
2.65	**455146**	3/3V2.65–JA	1.9	E1	0.00	0.51
2.8	**455147**	3/3V2.80–JA	2.2	E1	0.00	0.51
3.0	**455148**	3/3V3.00–SH	2.6	E1	0.52	0.68
3.15	**455149**	3/3V3.15–SH	2.8	E1	0.52	0.68
3.35	**455150**	3/3V3.35–SH	3.0	D1	0.11	0.57
3.65	**455151**	3/3V3.65–SH	3.2	D1	0.11	0.57
4.12	**455152**	3/3V4.12–SH	3.6	B1	0.69	0.01
4.5	**455153**	3/3V4.50–SDS	4.3	B1	0.75	0.05
4.75	**455154**	3/3V4.75–SDS	4.8	B1	0.75	0.05
5.0	**455155**	3/3V5.0–SDS	5.1	B1	0.75	0.05
5.3	**455156**	3/3V5.3–SDS	5.8	B1	0.75	0.05
5.6	**455157**	3/3V5.6–SDS	6.5	B1	0.75	0.05
6.0	**455158**	3/3V6.0–SDS	7.5	D1	0.56	0.14
6.5	**455159**	3/3V6.5–SDS	7.8	B1	0.75	0.05
6.9	**455160**	3/3V6.9–SDS	8.0	B1	0.75	0.05
8.0	**455161**	3/3V8.0–SK	12.0	C1	0.25	0.64
10.6	**455162**	3/3V10.6–SK	15.0	D2	0.25	0.64
14.0	**455163**	3/3V14.0–SK	21.0	C3	0.25	0.64
19.0	**455164**	3/3V19.0–SF	36.0	C3	0.25	0.69
25.0	**455165**	3/3V25.0–SF	35.0	C3	0.25	0.69
33.5	**455166**	3/3V33.5–SF	52.0	C3	0.25	0.69

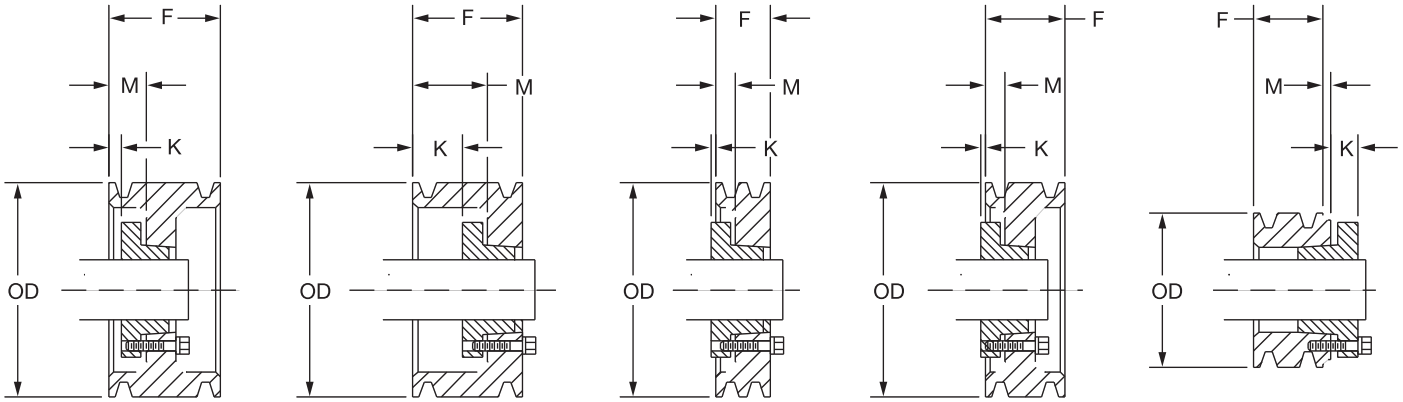
4-Groove — **F = 1.90**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
2.65	**455167**	4/3V2.65–JA	2.2	E1	0.00	0.51
2.8	**455168**	4/3V2.8–JA	2.4	E1	0.00	0.51
3.0	**455169**	4/3V3.0–SH	2.8	E1	0.38	0.68
3.15	**455170**	4/3V3.15–SH	3.1	E1	0.38	0.68
3.35	**455171**	4/3V3.35–SH	3.3	E1	0.38	0.68
3.65	**455172**	4/3V3.65–SH	3.8	E1	0.38	0.68
4.12	**455173**	4/3V4.12–SH	4.1	A1	1.09	0.41
4.5	**455174**	4/3V4.5–SDS	4.6	A1	1.15	0.45
4.75	**455175**	4/3V4.75–SDS	5.3	A1	1.15	0.45
5.0	**455176**	4/3V5.0–SDS	5.6	A1	1.15	0.45
5.3	**455177**	4/3V5.3–SDS	6.4	A1	1.15	0.45
5.6	**455178**	4/3V5.6–SDS	6.9	A1	1.15	0.45
6.0	**455179**	4/3V6.0–SK	9.4	D1	0.50	0.39
6.5	**455180**	4/3V6.5–SK	9.5	C1	0.66	0.23
6.9	**455181**	4/3V6.9–SK	11.0	C1	0.66	0.23
8.0	**455182**	4/3V8.0–SK	13.0	C1	0.66	0.23
10.6	**455183**	4/3V10.6–SK	18.0	D2	0.66	0.23
14.0	**455184**	4/3V14.0–SK	24.0	D3	0.63	0.27
19.0	**455185**	4/3V19.0–SF	40.0	D3	0.50	0.44
25.0	**455186**	4/3V25.0–SF	41.0	D3	0.63	0.31
33.5	**455187**	4/3V33.5–E	65.0	C3	0.34	0.86

Δ Pitch Diameter = O.D. – .05"

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

3V QD SHEAVES - Heavy Duty



5-Groove						F = 2.31
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
4.75	**455188**	5/3V4.75–SDS	5.9	A1	0.75	0.05
5.0	**455189**	5/3V5.0–SDS	6.3	A1	0.75	0.05
5.3	**455190**	5/3B5.3–SK	8.0	A1	0.94	0.05
5.6	**455191**	5/3V5.6–SK	9.0	A1	0.94	0.05
6.0	**455192**	5/3V6.0–SK	11.0	A1	0.94	0.05
6.5	**455193**	5/3V6.5–SK	11.0	A1	0.94	0.05
6.9	**455194**	5/3V6.9–SK	12.0	A1	0.94	0.05
8.0	**455195**	5/3V8.0–SK	15.0	A1	0.94	0.05
10.6	**455196**	5/3V10.6–SK	20.0	A1	0.94	0.05
14.0	**455197**	5/3V14.0–SF	31.0	D3	0.63	0.32
19.0	**455198**	5/3V19.0–SF	46.0	D3	0.63	0.31
25.0	**455199**	5/3V25.0–E	50.0	C3	0.63	0.57
33.5	**455200**	5/3V33.5–E	74.0	C3	0.63	0.57

6-Groove						F = 2.72
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
4.75	**455201**	6/3V4.75–SK	7.1	E1	0.00	0.89
5.0	**455202**	6/3V5.0–SK	7.8	E1	0.00	0.89
5.3	**455203**	6/3V5.3–SK	8.6	A1	1.31	0.42
5.6	**455204**	6/3V5.6–SK	8.8	A1	1.31	0.42
6.0	**455205**	6/3V6.0–SK	11.0	A1	1.31	0.42
6.5	**455206**	6/3V6.5–SK	12.0	A1	1.31	0.42
6.9	**455207**	6/3V6.9–SK	13.0	A1	1.31	0.42
8.0	**455208**	6/3V8.0–SK	17.0	D1	0.59	0.30
10.6	**455209**	6/3V10.6–SF	23.0	D1	0.88	0.07
14.0	**455210**	6/3V14.0–SF	33.0	D3	0.88	0.06
19.0	**455211**	6/3V19.0–E	62.0	D3	0.88	0.32
25.0	**455212**	6/3V25.0–E	56.0	D3	1.00	0.20
33.5	**455213**	6/3V33.5–E	83.0	D3	1.00	0.20

8-Groove						F = 3.53
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
4.75	**455214**	8/3V4.75–SK	8.4	E1	0.00	0.89
5.0	**455215**	8/3V5.0–SK	8.6	E1	0.00	0.89
5.3	**455216**	8/3V5.3–SK	10.0	A1	1.31	0.42
5.6	**455217**	8/3V5.6–SK	11.0	A1	1.31	0.42
6.0	**455218**	8/3V6.0–SK	13.0	A1	1.31	0.42
6.5	**455219**	8/3V6.5–SK	15.0	A1	1.31	0.42
6.9	**455220**	8/3V6.9–SK	15.0	A1	1.53	0.64
8.0	**455221**	8/3V8.0–SF	20.0	A1	1.31	0.37
10.6	**455222**	8/3V10.6–SF	29.0	A2	1.12	0.18
14.0	**455223**	8/3V14.0–E	51.0	A3	1.25	0.05
19.0	**455224**	8/3V19.0–E	70.0	D3	1.12	0.08
25.0	**455225**	8/3V25.0–E	67.0	A3	1.25	0.05
33.5	**455226**	8/3V33.5–F	98.0	D3	1.06	0.36

10-Groove						F = 4.34
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
4.75	**455227**	10/3V4.75–SK	9.7	E1	0.00	0.89
5.0	**455228**	10/3V5.0–SK	11.0	E1	0.00	0.89
5.3	**455229**	10/3V5.3–SK	12.0	A1	1.44	0.55
5.6	**455230**	10/3V5.6–SK	13.0	A1	1.44	0.55
6.0	**455231**	10/3V6.0–SK	15.0	A1	1.44	0.55
6.5	**455232**	10/3V6.5–SK	16.0	A1	1.44	0.55
6.9	**455233**	10/3V6.9–SK	18.0	A1	1.44	0.55
8.0	**455234**	10/3V8.0–SF	22.0	A1	1.63	0.69
10.6	**455235**	10/3V10.6–E	41.0	A1	1.25	0.05
14.0	**455236**	10/3V14.0–E	55.0	A2	1.25	0.05
19.0	**455237**	10/3V19.0–E	80.0	A3	1.25	0.05
25.0	**455238**	10/3V25.0–F	83.0	D3	1.31	0.11
33.5	**455239**	10/3V33.5–F	124.0	D3	1.31	0.11

Δ Pitch Diameter = O.D. – .05"

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

SELECTION/DIMENSIONS

DODGE

5V QD SHEAVES - Heavy Duty

2-Groove — **F = 1.69**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
++4.4	**455240**	2/5V4.4–SH	4.0	D1	0.19	0.49
++4.65	**455241**	2/5V4.65–SDS	4.4	E1	0.19	0.70
++4.9	**455242**	2/5V4.9–SDS	5.1	E1	0.19	0.51
++5.2	**455243**	2/5V5.2–SDS	5.7	D1	0.69	0.01
++5.5	**455244**	2/5V5.5–SDS	5.9	D1	0.69	0.01
++5.9	**455245**	2/5V5.9–SDS	6.8	D1	0.69	0.01
++6.3	**455246**	2/5V6.3–SK	10.0	C1	0.44	0.45
++6.7	**455247**	2/5V6.7–SK	13.0	C1	0.44	0.45
7.1	**455248**	2/5V7.1–SK	10.0	C1	0.44	0.45
7.5	**455249**	2/5V7.5–SK	12.0	C1	0.44	0.45
8.0	**455250**	2/5V8.0–SK	10.0	C1	0.44	0.45
8.5	**455251**	2/5V8.5–SK	11.0	C2	0.44	0.45
9.0	**455252**	2/5V9.0–SK	12.0	C2	0.44	0.45
9.25	**455253**	2/5V9.25–SK	13.0	C1	0.44	0.45
9.75	**455254**	2/5V9.75–SK	13.0	C1	0.44	0.45
10.3	**455255**	2/5V10.3–SK	15.0	C2	0.44	0.45
10.9	**455256**	2/5V10.9–SK	16.0	C2	0.44	0.45
11.3	**455257**	2/5V11.3–SK	19.0	C2	0.44	0.45
11.8	**455258**	2/5V11.8–SK	18.0	C2	0.44	0.45
12.5	**455259**	2/5V12.5–SF	20.0	C2	0.44	0.50
13.2	**455260**	2/5V13.2–SF	21.0	D3	0.31	0.63
14.0	**455261**	2/5V14.0–SF	23.0	D3	0.31	0.63
15.0	**455262**	2/5V15.0–SF	26.0	D3	0.31	0.63
16.0	**455263**	2/5V16.0–SF	29.0	D3	0.31	0.63
18.7	**455264**	2/5V18.7–SF	39.0	D3	0.31	0.63
21.2	**455265**	2/5V21.2–SF	39.0	C3	0.44	0.50
23.6	**455266**	2/5V23.6–E	48.0	D3	0.25	0.95
28.0	**455267**	2/5V28.0–E	60.0	D3	0.25	0.95
31.5	**- - -**	- - -	- - -	- - -	- - -	- - -
37.5	**- - -**	- - -	- - -	- - -	- - -	- - -
50.0	**- - -**	- - -	- - -	- - -	- - -	- - -

3-Groove — **F = 2.38**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
++4.4.	**455268**	3/5V4.4–SDS	5.7	E1	0.00	0.70
++4.65	**455269**	3/5V4.65–SDS	6.2	E1	0.00	0.70
++4.9	**455270**	3/5V4.9–SDS	6.3	A1	1.06	0.36
++5.2	**455271**	3/5V5.2–SDS	6.8	A1	1.06	0.36
++5.5	**455272**	3/5V5.5–SDS	7.7	A1	1.06	0.36
++5.9	**455273**	3/5V5.9–SDS	8.3	A1	1.06	0.36
++6.3	**455274**	3/5V6.3–SK	12.0	B1	1.13	0.24
++6.7	**455275**	3/5V6.7–SK	13.0	B1	1.13	0.24
7.1	**455276**	3/5V7.1–SF	15.0	A1	1.00	0.06
7.5	**455277**	3/5V7.5–SF	17.0	A1	1.00	0.06
8.0	**455278**	3/5V8.0–SF	19.0	A1	1.00	0.06
8.5	**455279**	3/5V8.5–SF	21.0	D1	0.81	0.13
9.0	**455280**	3/5V9.0–SF	22.0	D1	0.81	0.13
9.25	**455281**	3/5V9.25–SF	23.0	A1	1.00	0.06
9.75	**455282**	3/5V9.75–SF	23.0	A2	1.13	0.19
10.3	**455284**	3/5V10.3–SF	25.0	A2	1.00	0.06
10.9	**455285**	3/5V10.9–SF	27.0	D2	0.81	0.13
11.3	**455286**	3/5V11.3–SF	25.0	D2	0.81	0.13
11.8	**455287**	3/5V11.8–SF	28.0	A2	1.00	0.06
12.5	**455288**	3/5V12.5–E	36.0	D2	0.56	0.64
13.2	**455289**	3/5V13.2–E	38.0	C2	0.75	0.45
14.0	**455290**	3/5V14.0–E	46.0	D3	0.56	0.64
15.0	**455291**	3/5V15.0–E	48.0	D3	0.63	0.57
16.0	**455292**	3/5V16.0–E	50.0	D3	0.63	0.57
18.7	**455293**	3/5V18.7–E	54.0	D3	0.50	0.70
21.2	**455294**	3/5V21.2–E	62.0	C3	0.75	0.45
23.6	**455295**	3/5V23.6–E	79.0	C3	0.75	0.45
28.0	**455296**	3/5V28.0–E	85.0	C3	0.75	0.45
31.5	**455297**	3/5V31.5–F	124.0	D3	0.56	0.86
37.5	**455298**	3/5V37.5–F	143.0	D3	0.56	0.86
50.0	**455299**	3/5V50.0–F	218.0	D3	0.31	1.11

4-Groove — **F = 3.06**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
++4.4	**455300**	4/5V4.40–SD	6.8	E1	0.00	0.70
++4.65	**455301**	4/5V4.65–SD	7.7	E1	0.00	0.70
++4.9	**455302**	4/5V4.90–SD	8.0	A1	1.31	0.61
++5.2	**455303**	4/5V5.20–SD	8.7	A1	1.31	0.61
++5.5	**455304**	4/5V5.50–SD	9.7	A1	1.31	0.61
++5.9	**455305**	4/5V5.90–SD	11.0	A1	1.31	0.61
++6.3	**455306**	4/5V6.30–SK	13.0	A1	1.31	0.42
++6.7	**455307**	4/5V6.70–SK	14.0	A1	1.31	0.42
7.1	**455308**	4/5V7.1–SF	17.0	A1	1.31	0.37
7.5	**455309**	4/5V7.5–SF	20.0	A1	1.06	0.12
8.0	**455310**	4/5V8.0–E	28.0	B1	1.44	0.24
8.5	**455311**	4/5V8.5–E	30.0	B1	1.44	0.24
9.0	**455312**	4/5V9.0–E	33.0	B1	1.44	0.24
9.25	**455313**	4/5V9.25–E	36.0	B1	1.44	0.24
9.75	**455314**	4/5V9.75–E	36.0	B1	1.44	0.24
10.3	**455315**	4/5V10.3–E	37.0	B1	1.44	0.24
10.9	**455316**	4/5V10.9–E	40.0	B1	1.44	0.24
11.3	**455317**	4/5V11.3–E	39.0	B1	1.44	0.24
11.8	**455318**	4/5V11.8–E	42.0	B2	1.44	0.24
12.5	**455319**	4/5V12.5–E	43.0	B2	1.44	0.24
13.2	**455320**	4/5V13.2–E	44.0	A3	1.06	0.14
14.0	**455321**	4/5V14.0–E	47.0	A3	1.31	0.11
15.0	**455322**	4/5V15.0–E	50.0	A3	1.31	0.11
16.0	**455323**	4/5V16.0–E	51.0	A3	1.31	0.11
18.7	**455324**	4/5V18.7–E	63.0	A3	1.31	0.11
21.2	**455325**	4/5V21.2–E	62.0	D3	0.88	0.32
23.6	**455326**	4/5V23.6–F	75.0	D3	0.88	0.54
28.0	**455327**	4/5V28.0–F	94.0	D3	0.88	0.54
31.5	**455328**	4/5V31.5–F	111.0	D3	0.88	0.54
37.5	**455329**	4/5V37.5–F	144.0	D3	0.88	0.54
50.0	**455330**	4/5V50.0–J	267.0	D3	0.69	0.91

5-Groove — **F = 3.75**

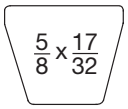
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
++4.4	**455331**	5/5V4.4–SD	8.0	E1	0.00	0.70
++4.65	**455332**	5/5V4.65–SD	8.5	E1	0.00	0.70
++4.9	**455333**	5/5V4.9–SD	10.0	E1	0.00	0.70
++5.2	**455334**	5/5V5.2–SD	11.0	A1	1.31	0.61
++5.5	**455335**	5/5V5.5–SD	11.0	A1	1.31	0.61
++5.9	**455336**	5/5V5.9–SK	13.0	A1	1.31	0.42
++6.3	**455337**	5/5V6.3–SK	15.0	A1	1.31	0.42
++6.7	**455338**	5/5V6.7–SF	16.0	A1	1.19	0.25
7.1	**455339**	5/5V7.1–SF	19.0	A1	1.19	0.25
7.5	**455340**	5/5V7.5–SF	21.0	A1	1.19	0.25
8.0	**455341**	5/5V8.0–E	30.0	A1	1.38	0.18
8.5	**455342**	5/5V8.5–E	33.0	A1	1.38	0.18
9.0	**455343**	5/5V9.0–E	36.0	A1	1.38	0.18
9.25	**455344**	5/5V9.25–E	38.0	A1	1.38	0.18
9.75	**455345**	5/5V9.75–E	38.0	A1	1.38	0.18
10.3	**455346**	5/5V10.3–E	41.0	A1	1.38	0.18
10.9	**455347**	5/5V10.9–E	45.0	A1	1.38	0.18
11.3	**455348**	5/5V11.3–E	42.0	A1	1.38	0.18
11.8	**455349**	5/5V11.8–E	45.0	A2	1.38	0.18
12.5	**455350**	5/5V12.5–E	55.0	A2	1.38	0.18
13.2	**455351**	5/5V13.2–E	58.0	A2	1.38	0.18
14.0	**455352**	5/5V14.0–E	60.0	A2	1.38	0.18
15.0	**455353**	5/5V15.0–E	61.0	A3	1.31	0.11
16.0	**455354**	5/5V16.0–E	67.0	A3	1.25	0.05
18.7	**455355**	5/5V18.7–F	92.0	C3	1.31	0.11
21.2	**455356**	5/5V21.2–F	77.0	C3	1.31	0.11
23.6	**455357**	5/5V23.6–F	88.0	C3	1.31	0.11
28.0	**455358**	5/5V28.0–F	111.0	D3	1.08	0.34
31.5	**455359**	5/5V31.5–J	150.0	D3	1.00	0.60
37.5	**455360**	5/5V37.5–J	186.0	D3	0.81	0.79
50.0	**455361**	5/5V50.0–J	273.0	D3	1.00	0.60

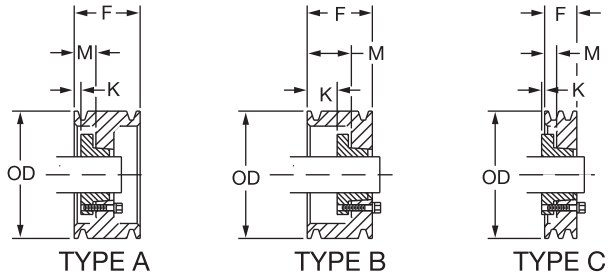
Δ Pitch diameter = O.D. – .10" . . . >∞∞

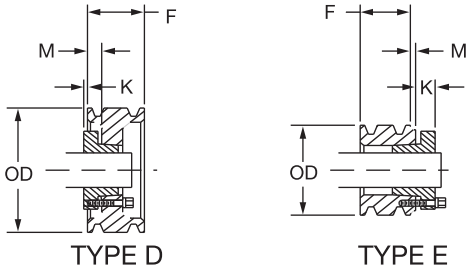
‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.

++ 5VX Belts only on these sizes.

5V QD SHEAVES - Heavy Duty







8-Groove						F = 5.81
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
7.1	**455393**	8/5V7.1–SF	24.0	A1	2.13	1.19
7.5	**455394**	8/5V7.5–SF	28.0	A1	2.13	1.19
8.0	**455395**	8/5V8.0–E	36.0	A1	2.50	1.30
8.5	**455396**	8/5V8.5–E	39.0	A1	2.50	1.30
9.0	**455397**	8/5V9.0–E	43.0	A1	2.50	1.30
9.25	**455398**	8/5V9.25–F	55.0	A1	2.31	0.89
9.75	**455399**	8/5V9.75–F	56.0	A1	2.31	0.89
10.3	**455400**	8/5V10.3–F	60.0	A1	2.31	0.89
10.9	**455401**	8/5V10.9–F	65.0	A1	2.31	0.89
11.3	**455402**	8/5V11.3–F	70.0	A1	2.31	0.89
11.8	**455403**	8/5V11.8–F	67.0	A1	2.31	0.89
12.5	**455404**	8/5V12.5–F	76.0	A1	2.56	1.14
13.2	**455405**	8/5V13.2–F	77.0	A1	2.56	1.14
14.0	**455406**	8/5V14.0–F	77.0	A1	2.44	1.02
15.0	**455407**	8/5V15.0–F	85.0	A2	2.44	1.02
16.0	**455408**	8/5V16.0–F	90.0	A3	2.38	0.96
18.7	**455409**	8/5V18.7–J	138.0	A3	2.91	1.31
21.2	**455410**	8/5V21.2–J	126.0	D3	1.56	0.04
23.6	**455411**	8/5V23.6–J	141.0	D3	1.56	0.04
28.0	**455412**	8/5V28.0–J	172.0	D3	1.56	0.04
31.5	**455413**	8/5V31.5–M	246.0	A3	1.94	0.20
37.5	**455414**	8/5V37.5–M	296.0	A3	1.94	0.20
50.0	**455415**	8/5V50.0–M	419.0	A3	1.94	0.20

Δ Pitch diameter = O.D. – .10"

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See drawings page PT7-2.

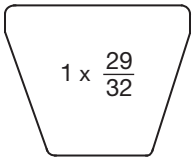
++ 5VX Belts only on these sizes.

6-Groove						F = 4.44
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
++4.4	**455362**	6/5V4.40–SD	9.0	E1	0.00	0.70
++4.65	**455363**	6/5V4.65–SD	10.0	E1	0.00	0.70
++4.90	**455364**	6/5V4.90–SD	11.0	E1	0.00	0.70
++5.20	**455365**	6/5V5.20–SD	12.0	A1	1.31	0.61
++5.50	**455366**	6/5V5.50–SD	13.0	A1	1.31	0.61
++5.90	**455367**	6/5V5.90–SK	14.0	A1	1.31	0.42
++6.30	**455368**	6/5V6.30–SK	16.0	A1	1.31	0.42
++6.70	**455369**	6/5V6.70–SF	19.0	A1	1.69	0.75
7.1	**455370**	6/5V7.1–SF	21.0	A1	1.63	0.68
7.5	**455371**	6/5V7.5–SF	24.0	A1	1.63	0.68
8.0	**455372**	6/5V8.0–E	32.0	A1	2.00	0.80
8.5	**455373**	6/5V8.5–E	34.0	A1	2.00	0.80
9.0	**455374**	6/5V9.0–E	38.0	A1	2.00	0.80
9.25	**455375**	6/5V9.25–E	40.0	A1	2.00	0.80
9.75	**455376**	6/5V9.75–E	41.0	A1	2.00	0.80
10.3	**455377**	6/5V10.3–E	44.0	A1	2.00	0.80
10.9	**455378**	6/5V10.9–E	49.0	A1	2.00	0.80
11.3	**455379**	6/5V11.3–E	47.0	A1	2.00	0.80
11.8	**455380**	6/5V11.8E	49.0	A2	2.00	0.80
12.5	**455381**	6/5V12.5–F	63.0	B2	2.06	0.64
13.2	**455382**	6/5V13.2–F	64.0	B2	2.06	0.64
14.0	**455383**	6/5V14.0–F	73.0	B2	2.06	0.64
15.0	**455384**	6/5V15.0–F	75.0	D2	1.31	0.11
16.0	**455385**	6/5V16.0–F	91.0	B3	1.88	0.46
18.7	**455386**	6/5V18.7–F	99.0	A3	1.44	0.02
21.2	**455387**	6/5V21.2–F	86.0	D3	1.31	0.11
23.6	**455388**	6/5V23.6–J	121.0	B3	1.31	0.11
28.0	**455389**	6/5V28.0–J	145.0	B3	1.31	0.11
31.5	**455390**	6/5V31.5–J	167.0	B3	1.31	0.11
37.5	**455391**	6/5V37.5–J	208.0	B3	1.31	0.11
50.0	**455392**	6/5V50.0–M	353.0	B3	0.00	1.74

10-Groove						F = 7.19
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
8.0	**456062**	10/5V8.0–E	42.0	A1	3.25	2.05
8.5	**456063**	10/5V8.5–E	44.0	A1	3.25	2.05
9.0	**456064**	10/5V9.0–F	57.0	A1	3.31	1.89
9.25	**456065**	10/5V9.25–F	60.0	A1	3.31	1.89
9.75	**456066**	10/5V9.75–F	61.0	A1	3.31	1.89
10.3	**456067**	10/5V10.3–F	66.0	A1	3.31	1.89
10.9	**456068**	10/5V10.9–F	72.0	A1	3.31	1.89
11.3	**456069**	10/5V11.3–F	78.0	A1	3.31	1.89
11.8	**456070**	10/5V11.8–F	80.0	A1	3.31	1.89
12.5	**456071**	10/5V12.5–J	111.0	A1	3.56	1.96
13.2	**456072**	10/5V13.2–J	115.0	A1	3.56	1.96
14.0	**456073**	10/5V14.0–J	118.0	A1	3.44	1.84
15.0	**456074**	10/5V15.0–J	120.0	A1	3.31	1.71
16.0	**456075**	10/5V16.0–J	160.0	A1	3.56	1.96
18.7	**456076**	10/5V18.7–J	151.0	D2	1.56	0.04
21.2	**456077**	10/5V21.2–J	143.0	D2	1.56	0.04
23.6	**456078**	10/5V23.6–M	209.0	B3	1.94	0.20
28.0	**456079**	10/5V28.0–M	245.0	B3	1.94	0.20
31.5	**456080**	10/5V31.5–M	277.0	B3	1.94	0.20
37.5	**456081**	10/5V37.5–M	337.0	B3	1.94	0.20
50.0	**456082**	10/5V50.0–M	484.0	B3	1.94	0.20

SELECTION/DIMENSIONS

8V QD SHEAVES - Heavy Duty



4-Groove **F = 4.88**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	**455416**	4/8V12.5–F	83.0	D1	1.19	0.23
13.2	**455417**	4/8V13.2–F	88.0	D2	1.19	0.23
14.0	**455418**	4/8V14.0–F	88.0	D2	1.19	0.23
15.0	**455419**	4/8V15.0–F	111.0	D2	1.19	0.23
16.0	**455420**	4/8V16.0–F	105.0	D2	1.19	0.23
17.0	**455521**	4/8V17.0–F	150.0	D3	1.19	0.23
18.0	**455422**	4/8V18.0–F	150.0	D3	1.19	0.23
19.0	**455423**	4/8V19.0–F	146.0	D3	1.19	0.23
20.0	**455424**	4/8V20.0–J	145.0	D3	1.44	0.16
21.2	**455425**	4/8V21.2–J	181.0	D3	1.44	0.16
22.4	**455426**	4/8V22.4–J	199.0	D3	1.44	0.16
24.8	**456654**	4/8V24.8–M	211.0	C3	1.44	0.93
30.0	**455427**	4/8V30.0–M	292.0	C3	0.81	0.93
35.5	**456655**	4/8V35.5–M	367.0	C3	0.81	0.93
40.0	**455428**	4/8V40.0–M	434.0	C3	0.81	0.93
44.5	**456656**	4/8V44.5–M	371.0	C3	0.81	0.93
53.0	**455429**	4/8V53.0–M	818.0	C3	0.81	0.93

5-Groove **F = 6.00**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	**455430**	5/8V12.5–F	69.0	A2	2.31	0.89
13.2	**455431**	5/8V13.2–F	75.0	A2	2.31	0.89
14.0	**455432**	5/8V14.0–F	83.0	A2	2.31	0.89
15.0	**455433**	5/8V15.0–F	94.0	A2	2.31	0.89
16.0	**455434**	5/8V16.0–F	106.0	A2	2.31	0.89
17.0	**455435**	5/8V17.0–J	133.0	A2	2.00	0.40
18.0	**455436**	5/8V18.0–J	147.0	A3	2.00	0.40
19.0	**455437**	5/8V19.0–J	161.0	A3	2.00	0.40
20.0	**455438**	5/8V20.0–J	141.0	A3	2.00	0.40
21.2	**455439**	5/8V21.2–J	151.0	A3	2.00	0.40
22.4	**456402**	5/8V22.4–M	208.0	D3	1.94	0.20
24.8	**456657**	5/8V24.8–M	229.0	D3	1.94	0.20
30.0	**455441**	5/8V30.0–M	276.0	D3	1.94	0.20
35.5	**456658**	5/8V35.5–M	334.0	D3	1.94	0.20
40.0	**455442**	5/8V40.0–M	385.0	D3	1.94	0.20
44.5	**456659**	5/8V44.5–N	459.0	C3	0.94	1.11
53.0	**455443**	5/8V53.0–N	574.0	C3	0.94	1.11

6-Groove **F = 7.13**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	**455444**	6/8V12.5–F	78.0	A1	2.31	0.89
13.2	**455445**	6/8V13.2–F	85.0	A2	2.31	0.89
14.0	**455446**	6/8V14.0–F	94.0	A2	2.31	0.89
15.0	**455447**	6/8V15.0–J	122.0	A2	2.56	0.96
16.0	**455448**	6/8V16.0–J	134.0	A2	2.56	0.96
17.0	**455449**	6/8V17.0–J	147.0	A2	2.56	0.96
18.0	**455450**	6/8V18.0–J	161.0	A2	2.56	0.96
19.0	**455451**	6/8V19.0–J	177.0	A3	2.56	0.96
20.0	**455452**	6/8V20.0–M	232.0	B3	2.94	1.20
21.2	**455453**	6/8V21.2–M	216.0	B3	2.94	1.20
22.4	**455454**	6/8V22.4–M	227.0	B3	2.94	1.20
24.8	**456660**	6/8V24.8–M	251.0	B3	1.94	0.20
30.0	**455455**	6/8V30.0–M	306.0	B3	2.06	0.32
35.5	**456661**	6/8V35.5–N	391.0	C3	1.13	0.92
40.0	**455456**	6/8V40.0–N	450.0	C3	1.13	0.92
44.5	**456662**	6/8V44.5–N	511.0	C3	1.13	0.92
53.0	**455457**	6/8V53.0–N	646.0	C3	1.13	0.92
63.0	**456663**	6/8V63.0–P	856.0	C3	2.00	0.30
71.0	**456690**	6/8V71.0–P	1016.0	C3	2.00	0.30

8-Groove **F = 9.38**

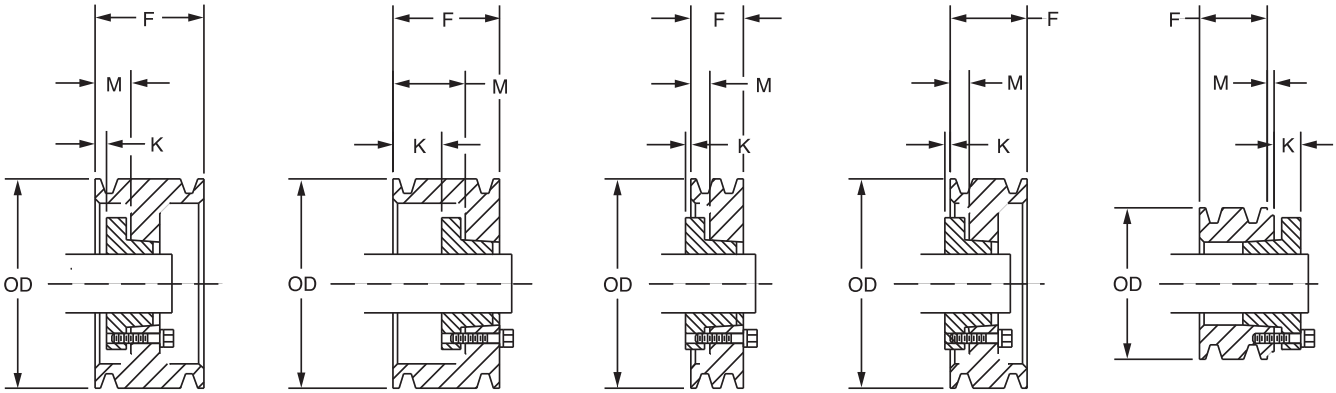
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	**455458**	8/8V12.5–J	115.0	A1	3.56	1.96
13.2	**455459**	8/8V13.2–J	129.0	A2	3.56	1.96
14.0	**455460**	8/8V14.0–J	146.0	A2	3.56	1.96
15.0	**455461**	8/8V15.0–J	144.0	A2	3.56	1.96
16.0	**455462**	8/8V16.0–J	158.0	A2	3.56	1.96
17.0	**455463**	8/8V17.0–M	214.0	A1	3.94	2.20
18.0	**455464**	8/8V18.0–M	230.0	A2	4.19	2.45
19.0	**455465**	8/8V19.0–M	247.0	A2	3.94	2.20
20.0	**455466**	8/8V20.0–M	266.0	A2	3.94	2.20
21.2	**455467**	8/8V21.2–M	245.0	A3	3.94	2.20
22.4	**455468**	8/8V22.4–M	264.0	A3	2.25	0.51
24.8	**456664**	8/8V24.8–N	315.0	A3	2.25	0.20
30.0	**455469**	8/8V30.0–N	384.0	A3	2.25	0.20
35.5	**456665**	8/8V35.5–N	468.0	A3	2.25	0.20
40.0	**455470**	8/8V40.0–N	543.0	B3	2.63	0.58
44.5	**456666**	8/8V44.5–P	670.0	B3	2.63	0.33
53.0	**455471**	8/8V53.0–P	833.0	B3	2.63	0.33
63.0	**456667**	8/8V63.0–P	1049.0	B3	2.63	0.33
71.0	**456691**	8/8V71.0–W	1266.0	C3	0.19	2.37

Δ Pitch diameter = O.D. – .20”

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

DODGE

8V QD SHEAVES - Heavy Duty



10-Groove						F = 11.63
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	**455472**	10/8V12.5–J	133	A1	3.56	1.96
13.2	**455473**	10/8V13.2–J	148	A1	3.56	1.96
14.0	**455474**	10/8V14.0–J	166	A2	3.56	1.96
15.0	**455475**	10/8V15.0–M	224	A2	3.94	2.20
16.0	**455476**	10/8V16.0–M	260	A2	3.94	2.20
17.0	**455477**	10/8V17.0–M	241	A1	3.94	2.20
18.0	**455478**	10/8V18.0–M	259	A2	3.94	2.20
19.0	**455479**	10/8V19.0–M	279	A2	3.94	2.20
20.0	**455480**	10/8V20.0–M	300	A2	3.94	2.20
21.2	**455481**	10/8V21.2–M	286	A3	3.94	2.20
22.4	**455482**	10/8V22.4–N	321	A3	2.25	0.20
24.8	**456668**	10/8V24.8–N	357	A3	2.25	0.20
30.0	**455483**	10/8V30.0–N	444	A3	2.25	0.20
35.5	**456669**	10/8V35.5–P	591	A3	2.63	0.33
40.0	**455484**	10/8V40.0–P	680	A3	2.63	0.33
44.5	**456670**	10/8V44.5–P	775	A3	2.63	0.33
53.0	**455485**	10/8V53.0–P	971	A3	2.63	0.33
63.0	**456671**	10/8V63.0–W	1256	D3	1.31	1.25
71.0	**456692**	10/8V71.0–W	1482	D3	1.31	1.25

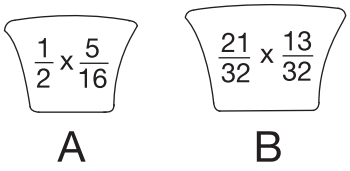
12-Groove						F = 13.88
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	**456672**	12/8V12.5–M	164	A1	3.94	2.20
13.2	**456673**	12/8V13.2–M	186	A1	3.94	2.20
14.0	**456674**	12/8V14.0–M	213	A1	3.94	2.20
15.0	**456675**	12/8V15.0–M	248	A2	3.94	2.20
16.0	**456676**	12/8V16.0–M	285	A1	3.94	2.20
17.0	**456677**	12/8V17.0–M	270	A1	3.94	2.20
18.0	**456678**	12/8V18.0–M	292	A2	3.94	2.20
19.0	**456679**	12/8V19.0–N	330	A2	2.25	0.20
20.0	**456680**	12/8V20.0–N	354	A2	2.25	0.20
21.2	**456681**	12/8V21.2–N	365	A3	2.25	0.20
22.4	**456682**	12/8V22.4–N	367	A3	2.25	0.20
24.8	**456683**	12/8V24.8–N	408	A3	2.25	0.20
30.0	**456684**	12/8V30.0–P	557	A3	2.63	0.32
35.5	**456685**	12/8V35.5–P	671	A3	2.63	0.32
40.0	**456686**	12/8V40.0–P	776	A3	2.63	0.32
44.5	**456687**	12/8V44.5–P	887	A3	2.63	0.32
53.0	**456688**	12/8V53.0–W	1150	A3	2.88	0.32
63.0	**456689**	12/8V63.0–W	1445	D3	2.44	0.12
71.0	**456693**	12/8V71.0–W	1706	D3	2.44	0.12

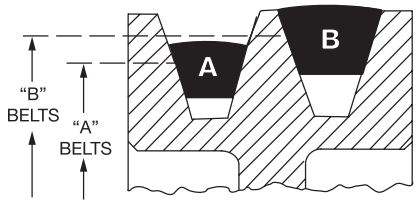
Δ Pitch diameter = O.D. – .20"

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

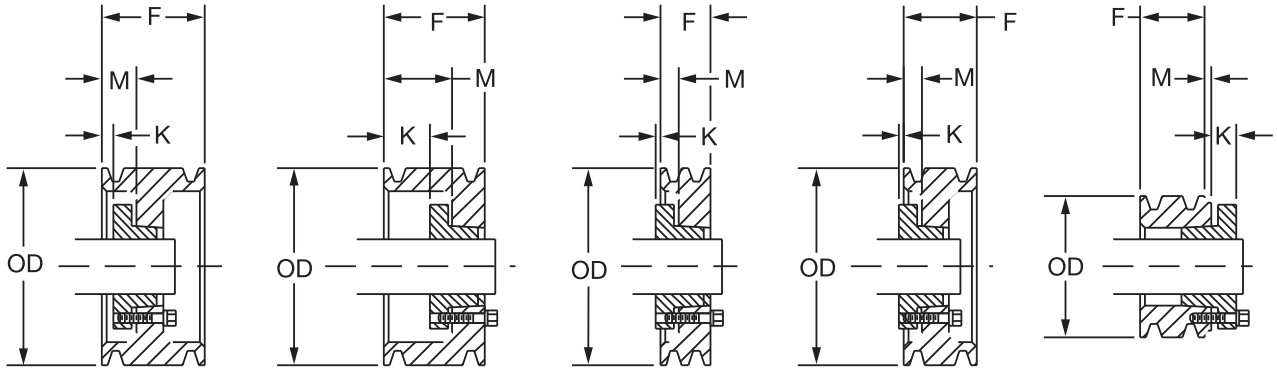
SELECTION/DIMENSIONS

A/B QD SHEAVES - Heavy Duty





Drawing illustrates how either A or B belts may be used with combination groove sheaves.



1-Groove — **F = .84 A3.2 thru A4.0 B4.4** — **Balance F = 1**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
3.75	**118283**	1A3.0B3.4–SH	2.0	E1	0.44	0.68
3.95	**118284**	1A3.2B3.6–SH	2.2	D1	0.05	0.63
4.15	**118285**	1A3.4B3.8–SH	2.4	D1	0.05	0.63
4.35	**118286**	1A3.6B4.0–SH	2.7	D1	0.05	0.63
4.55	**455550**	1A3.8B4.2–SH	2.9	D1	0.05	0.63
4.75	**455551**	1A4.0B4.4–SH	3.4	D1	0.05	0.63
4.95	**455552**	1A4.2B4.6–SDS	4.0	D1	0.14	0.55
5.15	**455553**	1A4.4B4.8–SDS	4.0	D1	0.14	0.55
5.35	**455554**	1A4.6B5.0–SDS	4.0	D1	0.14	0.55
5.55	**455555**	1A4.8B5.2–SDS	5.0	D1	0.14	0.55
5.75	**455556**	1A5.0B5.4–SDS	5.0	D1	0.14	0.55
5.95	**455557**	1A5.2B5.6–SDS	6.0	C1	0.25	0.45
6.15	**455558**	1A5.4B5.8–SDS	6.0	C1	0.25	0.45
6.35	**455559**	1A5.6B6.0–SDS	6.0	C1	0.25	0.45
6.55	**455560**	1A5.8B6.2–SDS	6.0	C1	0.25	0.45
6.75	**455561**	1A6.0B6.4–SDS	6.0	C1	0.25	0.45
6.95	**455562**	1A6.2B6.6–SDS	7.0	C1	0.25	0.45
7.15	**455563**	1A6.4B6.8–SDS	7.0	C1	0.25	0.45
7.35	**455564**	1A6.6B7.0–SDS	7.5	D1	0.13	0.57
7.75	**455565**	1A7.0B7.4–SDS	8.0	C1	0.25	0.45
8.35	**455566**	1A7.6B8.0–SDS	8.0	D1	0.13	0.57
8.95	**455567**	1A8.2B8.6–SDS	8.0	D2	0.13	0.57
9.75	**455568**	1A9.0B9.4–SDS	8.0	D2	0.13	0.57
11.35	**455569**	1A10.6B11.0–SDS	10.0	D2	0.13	0.57
12.75	**455570**	1A12.0B12.4–SDS	11.0	D3	0.13	0.57
13.95	**455571**	1A13.2B13.6–SDS	13.0	D3	0.06	0.63
15.75	**455572**	1A15.0B15.4–SK	16.0	C3	0.06	0.83
16.35	**455573**	1A15.6B16.0–SK	17.0	C3	0.00	0.89
18.75	**455574**	1A18.0B18.4–SK	18.0	C3	0.00	0.89
20.35	**455575**	1B20.0–SK	18.0	C3	0.00	0.89

Δ P.D. for "A" Belts = O.D. – .37"
P.D. for "B" Belts = O.D. + .01"

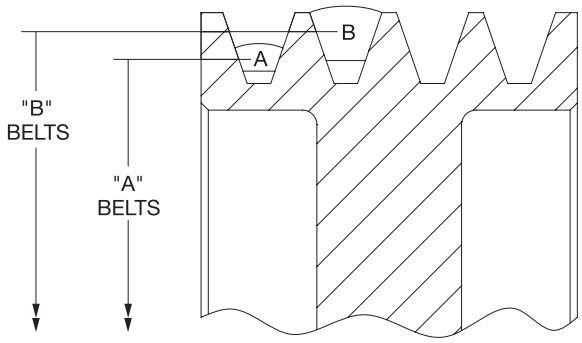
‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

2-Groove — **F = 1.75**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
3.75	**455576**	2A3.0B3.4–SH	3.2	E1	0.38	0.68
3.95	**455577**	2A3.2B3.6–SH	3.4	E1	0.00	0.68
4.15	**455578**	2A3.4B3.8–SH	3.9	E1	0.00	0.68
4.35	**455579**	2A3.6B4.0–SH	3.8	A1	0.94	0.26
4.55	**455580**	2A3.8B4.2–SH	4.4	A1	0.94	0.26
4.75	**455581**	2A4.0B4.4–SH	4.6	A1	0.94	0.26
4.95	**455582**	2A4.2B4.6–SDS	5.0	A1	1.00	0.30
5.15	**455583**	2A4.4B4.8–SDS	4.1	A1	1.00	0.30
5.35	**455584**	2A4.6B5.0–SDS	6.0	A1	1.00	0.30
5.55	**455585**	2A4.8B5.2–SDS	7.0	A1	1.00	0.30
5.75	**455586**	2A5.0B5.4–SDS	7.0	A1	1.00	0.30
5.95	**455587**	2A5.2B5.6–SDS	7.0	A1	0.81	0.12
6.15	**455588**	2A5.4B5.8–SDS	7.0	D1	0.69	0.01
6.35	**455589**	2A5.6B6.0–SDS	7.0	D1	0.69	0.01
6.55	**455590**	2A5.8B6.2–SDS	6.3	D1	0.69	0.01
6.75	**455591**	2A6.0B6.4–SDS	8.0	D1	0.69	0.01
6.95	**455592**	2A6.2B6.6–SDS	8.2	D1	0.69	0.01
7.15	**455593**	2A6.4B6.8–SDS	9.0	D1	0.69	0.01
7.35	**455594**	2A6.6B7.0–SK	10.0	C1	0.50	0.39
7.75	**455595**	2A7.0B7.4–SK	11.0	C1	0.50	0.39
8.35	**455596**	2A7.6B8.0–SK	11.0	D2	0.44	0.46
8.95	**455597**	2A8.2B8.6–SK	12.0	D2	0.44	0.46
9.75	**455598**	2A9.0B9.4–SK	12.0	D2	0.44	0.46
11.35	**455599**	2A10.6B11.0–SK	14.0	D2	0.44	0.46
12.75	**455600**	2A12.0B12.4–SK	18.0	D3	0.44	0.46
13.95	**455601**	2A13.2B13.6–SK	19.0	D3	0.38	0.52
15.75	**455602**	2A15.0B15.4–SK	24.0	D3	0.44	0.46
16.35	**455603**	2A15.6B16.0–SK	22.0	D3	0.44	0.46
18.75	**455604**	2A18.0B18.4–SK	29.0	D3	0.31	0.58
20.35	**455605**	2B20.0–SF	30.0	D3	0.38	0.57
25.35	**455606**	2B25.0–SF	40.0	D3	0.38	0.57
30.35	**455607**	2B30.0–SF	50.0	D3	0.38	0.57
38.35	**455608**	2B38.0–SF	70.0	D3	0.34	0.60

DODGE

A/B QD SHEAVES - Heavy Duty



Drawing illustrates how either A or B belts may be used with combination groove sheaves.

3-Groove						F = 2.50
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
3.75	**455609**	3A3.0B3.4–SH	4.2	E1	0.38	0.68
3.95	**455610**	3A3.2B3.6–SH	4.7	E1	0.00	0.68
4.15	**455611**	3A3.4B3.8–SH	5.4	E1	0.00	0.68
4.35	**455612**	3A3.6B4.0–SH	4.8	E1	0.00	0.68
4.55	**455613**	3A3.8B4.2–SH	5.4	E1	0.00	0.68
4.75	**455614**	3A4.0B4.4–SH	5.6	E1	0.00	0.68
4.95	**455615**	3A4.2B4.6–SD	8.0	A1	1.06	0.37
5.15	**455616**	3A4.4B4.8–SD	8.5	A1	1.06	0.67
5.35	**455617**	3A4.6B5.0–SD	9.0	A1	1.06	0.67
5.55	**455618**	3A4.8B5.2–SD	9.0	A1	1.06	0.37
5.75	**455619**	3A5.0B5.4–SD	10.0	A1	1.06	0.37
5.95	**455620**	3A5.2B5.6–SD	11.0	A1	1.06	0.37
6.15	**455621**	3A5.4B5.8–SD	9.1	A1	1.06	0.37
6.35	**455622**	3A5.6B6.0–SD	10.0	A1	1.06	0.37
6.55	**455623**	3A5.8B6.2–SD	11.0	A1	1.06	0.37
6.75	**455624**	3A6.0B6.4–SD	11.0	A1	1.06	0.37
6.95	**455625**	3A6.2B6.6–SD	12.0	A1	1.06	0.37
7.15	**455626**	3A6.4B6.8–SD	13.0	A1	1.06	0.37
7.35	**455627**	3A6.6B7.0–SK	13.0	D1	0.75	0.14
7.75	**455628**	3A7.0B7.4–SK	13.0	D1	0.75	0.14
8.35	**455629**	3A7.6B8.0–SK	14.0	D1	0.88	0.02
8.95	**455630**	3A8.2B8.6–SK	13.0	D1	0.88	0.02
9.75	**455631**	3A9.0B9.4–SK	16.0	D2	0.75	0.14
11.35	**455632**	3A10.6B11.0–SK	19.0	D2	0.75	0.14
12.75	**455633**	3A12.0B12.4–SK	24.0	D3	0.75	0.14
13.95	**455634**	3A13.2B13.6–SK	24.0	D3	0.69	0.21
15.75	**455635**	3A15.0B15.4–SK	30.0	D3	0.75	0.14
16.35	**455636**	3A15.6B16.0–SK	27.0	D3	0.75	0.14
18.75	**455637**	3A18.0B18.4–SK	38.0	D3	0.75	0.14
20.35	**455638**	3B20.0–SF	38.0	D3	0.63	0.32
25.35	**455639**	3B25.0–SF	51.0	D3	0.63	0.32
30.35	**455640**	3B30.0–SF	65.0	D3	0.63	0.32
38.35	**455641**	3B38.0–E	95.0	D3	0.63	0.57

4-Groove						F = 3.25
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
3.75	**455642**	4A3.0B3.4–SD	5.5	E1	0.47	0.70
3.95	**455643**	4A3.2B3.6–SD	5.8	E1	0.47	0.70
4.15	**455644**	4A3.4B3.8–SD	6.2	E1	0.47	0.70
4.35	**455645**	4A3.6B4.0–SD	6.6	E1	0.00	0.70
4.55	**455646**	4A3.8B4.2–SD	6.9	E1	0.00	0.70
4.75	**455647**	4A4.0B4.4–SD	7.5	E1	0.00	0.70
4.95	**455648**	4A4.2B4.6–SD	7.5	A1	1.50	0.80
5.15	**455649**	4A4.4B4.8–SD	7.3	A1	1.50	0.80
5.35	**455650**	4A4.6B5.0–SD	10.0	A1	1.50	0.80
5.55	**455651**	4A4.8B5.2–SD	11.0	A1	1.50	0.80
5.75	**455652**	4A5.0B5.4–SD	11.0	A1	1.50	0.80
5.95	**455653**	4A5.2B5.6–SD	12.0	A1	1.50	0.80
6.15	**455654**	4A5.4B5.8–SD	11.0	A1	1.50	0.80
6.35	**455655**	4A5.6B6.0–SD	11.0	A1	1.50	0.80
6.55	**455656**	4A5.8B6.2–SD	14.0	A1	1.50	0.80
6.75	**455657**	4A6.0B6.4–SD	14.0	A1	1.50	0.80
6.95	**455658**	4A6.2B6.6–SD	14.0	A1	1.50	0.80
7.15	**455659**	4A6.4B6.8–SD	14.0	A1	1.50	0.80
7.35	**455660**	4A6.6B7.0–SK	14.0	A1	1.00	0.11
7.75	**455661**	4A7.0B7.4–SK	15.0	A1	1.25	0.36
8.35	**455662**	4A7.6B8.0–SK	15.0	A1	1.38	0.48
8.95	**455663**	4A8.2B8.6–SK	17.0	A1	1.50	0.61
9.75	**455664**	4A9.0B9.4–SK	19.0	A2	1.13	0.23
11.35	**455665**	4A10.6B11.0–SK	22.0	A2	1.00	0.11
12.75	**455666**	4A12.0B12.4–SK	29.0	A3	1.00	0.11
13.95	**455667**	4A13.2B13.6–SK	29.0	A3	1.00	0.11
15.75	**455668**	4A15.0B15.4–SF	39.0	A3	1.13	0.18
16.35	**455669**	4A15.6B16.0–SF	34.0	A3	1.00	0.06
18.75	**455670**	4A18.0B18.4–SF	47.0	A3	1.00	0.06
20.35	**455671**	4B20.0–SF	46.0	A3	1.00	0.06
25.35	**455672**	4B25.0–E	66.0	D3	1.00	0.20
30.35	**455673**	4B30.0–E	83.0	D3	0.63	0.57
38.35	**455674**	4B38.0–E	115.0	D3	1.00	0.20

Δ P.D. for "A" Belts = O.D. – .37"
P.D. for "B" Belts = O.D. + .01"

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

SELECTION/DIMENSIONS

DODGE

A/B QD SHEAVES - Heavy Duty

5-Groove — **F = 4.00**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
3.75	**455675**	5A3.0B3.4–SD	5.9	E1	0.47	0.70
3.95	**455676**	5A3.2B3.6–SD	6.5	E1	0.47	0.70
4.15	**455677**	5A3.4B3.8–SD	7.2	E1	0.47	0.70
4.35	**455678**	5A3.6B4.0–SD	7.3	E1	0.00	0.70
4.55	**455679**	5A3.8B4.2–SD	8.0	E1	0.00	0.70
4.75	**455680**	5A4.0B4.4–SD	8.8	E1	0.00	0.70
4.95	**455681**	5A4.2B4.6–SD	9.0	A1	1.31	0.62
5.15	**455682**	5A4.4B4.8–SD	8.5	A1	1.31	0.62
5.35	**455683**	5A4.6B5.0–SD	11.0	A1	1.31	0.62
5.55	**455684**	5A4.8B5.2–SD	12.0	A1	1.31	0.62
5.75	**455685**	5A5.0B5.4–SK	12.0	A1	1.31	0.42
5.95	**455686**	5A5.2B5.6–SK	12.0	A1	1.31	0.42
6.15	**455687**	5A5.4B5.8–SK	13.0	A1	1.31	0.42
6.35	**455688**	5A5.6B6.0–SK	14.0	A1	1.31	0.42
6.55	**455689**	5A5.8B6.2–SK	13.0	A1	1.31	0.42
6.75	**455690**	5A6.0B6.4–SK	16.0	A1	1.31	0.42
6.95	**455691**	5A6.2B6.6–SK	15.0	A1	1.31	0.42
7.15	**455692**	5A6.4B6.8–SK	17.0	A1	1.31	0.42
7.35	**455693**	5A6.6B7.0–SF	16.0	A1	1.31	0.37
7.75	**455694**	5A7.0B7.4–SF	20.0	A1	1.31	0.37
8.35	**455695**	5A7.6B8.0–SF	17.0	A1	1.31	0.37
8.95	**455696**	5A8.2B8.6–SF	24.0	A1	1.31	0.37
9.75	**455697**	5A9.0B9.4–SF	24.0	A1	1.31	0.37
11.35	**455698**	5A10.6B11.0–SF	29.0	A2	1.31	0.37
12.75	**455699**	5A12.0B12.4–SF	34.0	A3	1.06	0.12
13.95	**455700**	5A13.2B13.6–SF	33.0	A3	1.31	0.37
15.75	**455701**	5A15.0B15.4–SF	46.0	A3	1.31	0.37
16.35	**455702**	5A15.6B16.0–SF	38.0	A2	1.25	0.31
18.75	**455703**	5A18.0B18.4–SF	55.0	A3	1.31	0.37
20.35	**455704**	5B20.0–E	58.0	A3	1.25	0.05
25.35	**455705**	5B25.0–E	76.0	A3	1.25	0.05
30.35	**455706**	5B30.0–E	97.0	A3	1.25	0.05
38.35	**455707**	5B38.0–E	135.0	A3	1.25	0.05

6-Groove — **F = 4.75**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
3.75	**455708**	6A3.0B3.4–SD	6.7	E1	0.38	0.70
3.95	**455709**	6A3.2B3.6–SD	7.4	E1	0.38	0.70
4.15	**455710**	6A3.4B3.8–SD	8.0	E1	0.38	0.70
4.35	**455711**	6A3.6B4.0–SD	8.4	E1	0.00	0.70
4.55	**455712**	6A3.8B4.2–SD	9.0	E1	0.00	0.70
4.75	**455713**	6A4.0B4.4–SD	10.0	E1	0.00	0.70
4.95	**455714**	6A4.2B4.6–SD	10.0	A1	1.31	0.62
5.15	**455715**	6A4.4B4.8–SD	10.0	A1	1.31	0.62
5.35	**455716**	6A4.6B5.0–SD	12.0	A1	1.31	0.62
5.55	**455717**	6A4.8B5.2–SD	13.0	A1	1.31	0.62
5.75	**455718**	6A5.0B5.4–SK	13.0	A1	1.31	0.42
5.95	**455719**	6A5.2B5.6–SK	14.0	A1	1.31	0.42
6.15	**455720**	6A5.4B5.8–SK	12.0	A1	1.31	0.42
6.35	**455721**	6A5.6B6.0–SK	15.0	A1	1.31	0.42
6.55	**455722**	6A5.8B6.2–SK	15.0	A1	1.31	0.42
6.75	**455723**	6A6.0B6.4–SK	17.0	A1	1.31	0.42
6.95	**455724**	6A6.2B6.6–SK	17.0	A1	1.31	0.42
7.15	**455725**	6A6.4B6.8–SK	19.0	A1	1.31	0.42
7.35	**455726**	6A6.6B7.0–SF	18.0	A1	1.69	0.75
7.75	**455727**	6A7.0B7.4–SF	22.0	A1	1.69	0.75
8.35	**455728**	6A7.6B8.0–SF	23.0	A1	1.69	0.75
8.95	**455729**	6A8.2B8.6–SF	26.0	A1	1.69	0.75
9.75	**455730**	6A9.0B9.4–SF	27.0	A1	1.69	0.75
11.35	**455731**	6A10.6B11.0–SF	32.0	A2	1.69	0.75
12.75	**455732**	6A12.0B12.4–SF	39.0	A3	1.50	0.56
13.95	**455733**	6A13.2B13.6–SF	38.0	A3	1.69	0.75
15.75	**455734**	6A15.0B15.4–SF	50.0	A2	1.81	0.87
16.35	**455735**	6A15.6B16.0–SF	44.0	A2	1.81	0.87
18.75	**455736**	6A18.0B18.4–SF	62.0	A3	1.75	0.81
20.35	**455737**	6B20.0–E	65.0	A3	1.38	0.18
25.35	**455738**	6B25.0–E	87.0	A3	1.38	0.18
30.35	**455739**	6B30.0–E	111.0	A3	1.38	0.18
38.35	**455740**	6B38.0–E	155.0	A3	1.38	0.18

8-Groove — **F = 6.25**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
5.8	**455741**	8B5.4–SK	15.0	A1	1.88	0.98
6.0	**455742**	8B5.6–SK	16.0	A1	1.88	0.98
6.4	**455743**	8B6.0–SF	21.0	A1	1.81	0.87
6.8	**455744**	8B6.4–SF	23.0	A1	1.81	0.87
7.2	**455745**	8B6.8–SF	25.0	A1	1.25	0.31
7.8	**455746**	8B7.4–SF	28.0	A1	1.25	1.18
9.0	**455747**	8B8.6–E	40.0	A1	2.38	1.18
9.8	**455748**	8B9.4–E	43.0	A1	2.38	1.18
11.4	**455749**	8B11.0–E	49.0	A1	2.38	1.18
12.8	**455750**	8B12.4–E	56.0	A2	2.38	1.18
15.8	**455751**	8B15.4–E	69.0	A2	2.38	1.18
18.8	**455752**	8B18.4–F	91.0	D3	1.31	0.11
20.4	**455753**	8B20.0–F	84.0	D3	1.31	0.11
25.4	**455754**	8B25.0–F	111.0	D3	1.31	0.11
30.4	**455755**	8B30.0–F	142.0	D3	1.31	0.11
38.4	**455756**	8B38.0–F	200.0	D3	1.31	0.11

10-Groove — **F = 7.75**

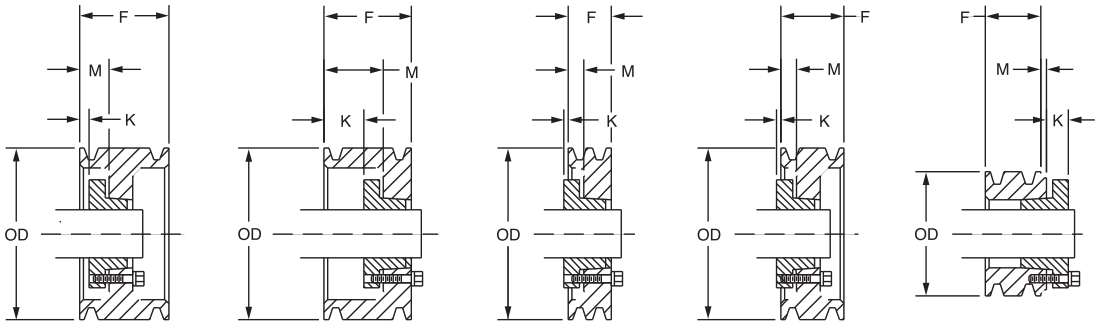
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
5.8	**455757**	10B5.4–SK	18.0	A1	3.25	2.36
6.0	**455758**	10B5.6–SK	19.0	A1	3.50	2.61
6.4	**455759**	10B6.0–SF	24.0	A1	3.25	2.31
6.8	**455760**	10B6.4–SF	26.0	A1	3.50	2.56
7.2	**455761**	10B6.8 SF	28.0	A1	3.00	2.06
7.8	**455762**	10B7.4–SF	32.0	A1	2.56	1.62
9.0	**455763**	10B8.6–E	47.0	A1	3.13	1.93
9.8	**455764**	10B9.4–E	48.0	A1	3.13	1.93
11.4	**455765**	10B11.0–E	56.0	A1	3.13	1.93
12.8	**455766**	10B12.4–F	64.0	A1	3.13	1.70
15.8	**455767**	10B15.4 F	88.0	A2	2.06	0.64
18.8	**455768**	10B18.4–F	103.0	A3	2.06	0.64
20.4	**455769**	10B20.0–F	99.0	A3	2.06	0.64
25.4	**455770**	10B25.0–F	132.0	A3	2.06	0.64
30.4	**455771**	10B30.0–F	169.0	A3	2.06	0.64
38.4	**455772**	10B38.0–J	257.0	D3	1.44	0.16

Δ P.D. for "A" Belts = O.D. – .37"
P.D. for "B" Belts = O.D. + .01"

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

DODGE

C QD SHEAVES - Heavy Duty



TYPE A TYPE B TYPE C TYPE D TYPE E

1-Groove **F = 1.38**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
7.4	**455773**	1C7.0–SF	9.0	C1	0.13	0.82
7.9	**455774**	1C7.5–SF	11.0	C1	0.13	0.82
8.4	**455775**	1C8.0–SF	11.0	C1	0.13	0.82
8.9	**455776**	1C8.5–SF	12.0	C1	0.13	0.82
9.4	**455777**	1C9.0–SF	12.0	C1	0.13	0.82
9.9	**455778**	1C9.5–SF	13.0	C1	0.13	0.82
10.4	**455779**	1C10.0–SF	14.0	C2	0.13	0.82
10.9	**455780**	1C10.5–SF	14.0	C2	0.13	0.82
11.4	**455781**	1C11.0–SF	16.0	C2	0.13	0.82
12.4	**455782**	1C12.0–SF	17.0	C2	0.13	0.82
13.4	**455783**	1C13.0–SF	19.0	C3	0.13	0.82
14.4	**455784**	1C14.0–SF	21.0	C3	0.13	0.82
16.4	**455785**	1C16.0–SF	24.0	C3	0.13	0.82
18.4	**455786**	1C18.0–SF	27.0	C3	0.13	0.82
20.4	**455787**	1C20.0–SF	31.0	C3	0.13	0.82
24.4	**455788**	1C24.0–SF	38.0	C3	0.13	0.82

2-Groove **F = 2.37**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
7.4	**455789**	2C7.0–SF	18.0	D1	0.81	0.13
7.9	**455790**	2C7.5–SF	20.0	D1	0.81	0.13
8.4	**455791**	2C8.0–SF	19.0	D1	0.81	0.13
8.9	**455792**	2C8.5–SF	20.0	D1	0.81	0.13
9.4	**455793**	2G9.0–SF	21.0	D1	0.81	0.13
9.9	**455794**	2C9.5–SF	22.0	D1	0.81	0.13
10.4	**455795**	2C10.0–SF	23.0	D2	0.81	0.13
10.9	**455796**	2C10.5–SF	23.0	D2	0.81	0.13
11.4	**455797**	2C11.0–SF	25.0	D2	0.81	0.13
12.4	**455798**	2C12.0–SF	27.0	D2	0.56	0.38
13.4	**455799**	2C13.0–SF	29.0	D3	0.56	0.68
14.4	**455800**	2C14.0–SF	34.0	D3	0.56	0.38
16.4	**455801**	2C16.0–SF	39.0	D3	0.63	0.32
18.4	**455802**	2C18.0–SF	39.0	D2	0.63	0.32
20.4	**455803**	2C20.0–SF	43.0	D3	0.56	0.38
24.4	**455804**	2C24.0–SF	55.0	D3	0.56	0.38
27.4	**456012**	2C27.0–F	72.0	C3	0.56	0.86
30.4	**456805**	2C30.0–F	82.0	C3	0.56	0.86

3-Groove **F = 3.38**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
5.4	**455806**	+3C5.0–SD	9.0	A1	1.31	0.62
5.9	**455807**	+3C5.5–SD	10.0	A1	1.31	0.62
6.4	**455808**	+3C6.0–SF	10.0	A1	1.31	0.37
7.4	**455809**	3C7.0–SF	20.0	A1	1.13	0.18
7.9	**455810**	3C7.5–SF	23.0	A1	1.31	0.37
8.4	**455811**	3C8.0–E	33.0	B1	1.75	0.55
8.9	**455812**	3C8.5–E	35.0	B1	1.75	0.55
9.4	**455813**	3C9.0–E	36.0	B1	1.75	0.55
9.9	**455814**	3C9.5–E	37.0	B1	1.75	0.55
10.4	**455815**	3C10.0–E	39.0	B1	1.75	0.55
10.9	**455816**	3C10.5–E	39.0	B1	1.75	0.55
11.4	**455817**	3C11.0–E	40.0	B1	1.75	0.55
12.4	**455818**	3C12.0–E	43.0	B2	1.75	0.55
13.4	**455819**	3C13.0–E	45.0	B3	1.75	0.55
14.4	**455820**	3C14.0–E	51.0	B3	1.75	0.55
16.4	**455821**	3C16.0–E	59.0	A3	1.31	0.12
18.4	**455822**	3C18.0–E	55.0	D3	0.81	0.38
20.4	**455823**	3C20.0–E	60.0	D3	1.00	0.20
24.4	**455824**	3C24.0–E	75.0	D3	1.00	0.20
27.4	**456013**	3C27.0–F	91.0	D3	0.81	0.61
30.4	**455825**	3C30.0–F	104.0	D3	0.81	0.61
36.4	**455826**	3C36.0–F	133.0	D3	0.81	0.61
44.4	**455827**	3C44.0–F	176.0	D3	0.81	0.61
50.4	**455828**	3C50.0–F	211.0	D3	0.81	0.61

4-Groove **F = 4.37**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
5.4	**455829**	+4C5.0–SD	11.0	A1	1.56	0.87
5.9	**455830**	+4C5.5–SD	12.0	A1	1.56	0.87
6.4	**455831**	+4C6.0–SF	11.0	A1	1.56	0.62
7.4	**455832**	4C7.0–SF	23.0	A1	1.56	0.62
7.9	**455833**	4C7.5–SF	25.0	A1	1.50	0.56
8.4	**455834**	4C8.0–E	36.0	A1	2.00	0.80
8.9	**455835**	4C8.5–E	39.0	A1	2.00	0.80
9.4	**455836**	4C9.0–E	39.0	A1	2.13	0.93
9.9	**455837**	4C9.5–E	41.0	A1	2.00	0.80
10.4	**455838**	4C10.0–E	43.0	A1	2.13	0.93
10.9	**455839**	4C10.5–E	44.0	A1	2.13	0.93
11.4	**455840**	4C11.0–E	46.0	A1	2.13	0.93
12.4	**455841**	4C12.0–E	50.0	A2	2.13	0.93
13.4	**455842**	4C13.0–E	53.0	A3	2.00	0.80
14.4	**455843**	4C14.0–E	59.0	A2	1.81	0.62
16.4	**455844**	4C16.0–E	69.0	A3	1.94	0.74
18.4	**455845**	4C18.0–E	66.0	A3	1.88	0.68
20.4	**455846**	4C20.0–E	72.0	A3	1.50	0.30
24.4	**455847**	4C24.0–F	95.0	D3	1.31	0.11
27.4	**456014**	4C27.0–F	110.0	D3	1.31	0.11
30.4	**455848**	4C30.0–F	126.0	D3	1.31	0.11
36.4	**455849**	4C36.0–F	162.0	D3	1.31	0.11
44.4	**455850**	4C44.0–F	236.0	D3	1.19	0.41
50.4	**455851**	4C50.0–J	279.0	D3	1.56	0.04

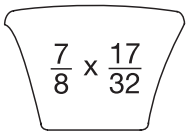
Δ Pitch Diameter = O.D.

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.

+ Recommended CX Belt only

SELECTION/DIMENSIONS

C QD SHEAVES - Heavy Duty



5-Groove						F = 5.37
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
6.4	**455852**	+5C6.0–SF	13.0	A1	1.94	1.00
7.4	**455853**	5C7.0–SF	26.0	A1	1.25	0.31
7.9	**455854**	5C7.5–SF	28.0	A1	1.88	0.93
8.4	**455855**	5C8.0–E	39.0	A1	1.50	0.30
8.9	**455856**	5C8.5–E	42.0	A1	1.63	0.43
9.4	**455857**	5C9.0–E	43.0	A1	1.63	0.43
9.9	**455858**	5C9.5–E	45.0	A1	1.50	0.30
10.4	**455859**	5C10.0–E	48.0	A1	1.50	0.30
10.9	**455860**	5C10.5–E	50.0	A1	1.50	0.30
11.4	**455861**	5C11.0–E	52.0	A1	2.25	1.05
12.4	**455862**	5C12.0–E	57.0	A1	2.22	1.02
13.4	**455863**	5C13.0–E	61.0	A2	2.00	0.80
14.4	**455864**	5C14.0–E	69.0	A2	2.00	0.80
16.4	**455865**	5C16.0–E	79.0	A3	2.00	0.80
18.4	**455866**	5C18.0–E	74.0	A3	2.38	1.18
20.4	**455867**	5C20.0–F	88.0	D3	1.31	0.11
24.4	**455868**	5C24.0–F	110.0	D3	1.31	0.11
27.4	**456083**	5C27.0–F	128.0	D3	1.31	0.11
30.4	**455869**	5C30.0–F	148.0	D3	1.31	0.11
36.4	**455870**	5C36.0–J	212.0	D3	1.31	0.29
44.4	**455871**	5C44.0–J	274.0	D3	1.31	0.29
50.0	**455872**	5C50.0–J	325.0	D3	1.56	0.04

8-Groove						F = 8.37
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
7.4	**455894**	8C7.0–SF	32.0	A1	4.00	3.06
8.4	**455895**	8C8.0–E	49.0	A1	3.25	2.05
8.9	**455896**	8C8.5–E	53.0	A1	3.25	2.05
9.4	**455897**	8C9.0–F	68.0	A1	2.50	1.08
9.9	**455898**	8C9.5–F	74.0	A1	2.50	1.08
10.4	**455899**	8C10.0–F	73.0	A1	2.50	1.08
10.9	**455900**	8C10.5–F	74.0	A1	2.50	1.08
11.4	**455901**	8C11.0–F	78.0	A1	3.38	1.95
12.4	**455902**	8C12.0–F	86.0	A1	3.38	1.95
13.4	**455903**	8C13.0–F	93.0	A1	3.38	1.95
14.4	**455904**	8C14.0–F	102.0	A1	3.38	1.95
16.4	**455905**	8C16.0–F	116.0	A3	3.38	1.95
18.4	**455906**	8C18.0–F	133.0	A3	3.63	2.20
20.4	**455907**	8C20.0–J	147.0	D3	1.56	0.04
24.4	**455908**	8C24.0–J	179.0	D3	1.56	0.04
27.4	**456085**	8C27.0–J	205.0	D3	1.56	0.04
30.4	**455909**	8C30.0–J	233.0	D3	1.56	0.04
36.4	**455910**	8C36.0–M	339.0	A3	1.94	0.20
44.4	**455911**	8C44.0–M	428.0	A3	1.94	0.20
50.4	**455912**	8C50.0–M	502.0	A3	1.94	0.20

12-Groove						F = 12.37
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
9.4	**455930**	12C9.0–J	92.0	A1	4.06	2.46
9.9	**455931**	12C9.5–J	100.0	A1	4.06	2.46
10.4	**455932**	33`12C10.0–J	108.0	A1	4.06	2.46
10.9	**455933**	12C10.5–J	115.0	A1	4.06	2.46
11.4	**455934**	12C11.0–J	125.0	A1	4.06	2.46
12.4	**455935**	12C12.0–J	127.0	A1	4.06	2.46
13.4	**455936**	12C13.0–J	135.0	A1	4.06	2.46
14.4	**455937**	12C14.0–J	145.0	A1	4.06	2.46
16.4	**455938**	12C16.0–J	165.0	A2	4.06	2.46
18.4	**455939**	12C18.0–J	198.0	A3	4.06	2.46
20.4	**455940**	12C20.0–M	277.0	A3	1.94	0.20
24.4	**455941**	12C24.0–M	287.0	A3	1.94	0.20
30.4	**455942**	12C30.0–M	362.0	A3	1.94	0.20
36.4	**455943**	12C36.0–M	446.0	A3	1.94	0.20
44.4	**455944**	12C44.0–M	572.0	A3	1.94	0.20
50.4	**455945**	12C50.0–M	676.0	A3	1.94	0.20

6-Groove						F = 6.37
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
6.4	**455873**	+6C6.0–SF	15.0	A1	1.94	1.00
7.4	**455874**	6C7.0–SF	29.0	A1	1.94	1.00
7.9	**455875**	6C7.5–SF	31.0	A1	1.94	1.18
8.4	**455876**	6C8.0–E	42.0	A1	2.38	1.18
8.9	**455877**	8C8.5–E	46.0	A1	2.38	1.02
9.4	**455878**	6C9.0–F	60.0	A1	2.44	1.02
9.9	**455879**	6C9.5–F	66.0	A1	2.44	1.02
10.4	**455880**	6C10.0–F	64.0	A1	2.44	1.02
10.9	**455881**	6C10.5–F	65.0	A1	2.44	1.02
11.4	**455882**	6C11.0–F	68.0	A1	2.44	1.02
12.4	**455883**	6C12.0–F	73.0	A1	2.44	1.02
13.4	**455884**	6C13.0–F	76.0	A2	2.50	1.08
14.4	**455885**	6C14.0–F	85.0	A2	2.44	1.02
16.4	**455886**	6C16.0–F	96.0	A3	2.44	1.02
18.4	**455887**	6C18.0–F	90.0	A3	2.63	1.20
20.4	**455888**	6C20.0–F	100.0	A3	1.94	0.52
24.4	**455889**	6C24.0–F	126.0	A3	1.94	0.52
27.4	**456084**	6C27.0–J	169.0	D3	0.56	0.04
30.4	**455890**	6C30.0–J	191.0	D3	1.56	0.04
36.4	**455891**	6C36.0–J	239.0	D3	1.56	0.04
44.4	**455892**	6C44.0–J	310.0	D3	1.56	0.04
50.4	**455893**	6C50.0–J	415.0	B3	1.94	0.34

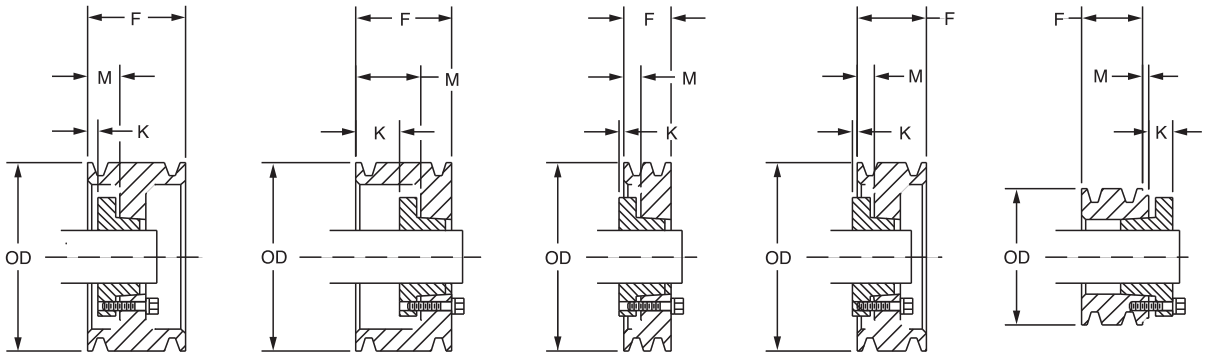
10-Groove						F = 10.37
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
8.4	**455913**	10C8.0–E	76.0	A1	3.25	2.05
8.9	**455914**	10C8.5–E	80.0	A1	3.25	2.05
9.4	**455915**	10C9.0–J	84.0	A1	3.56	1.96
9.9	**455916**	10C9.5–J	91.0	A1	3.56	1.96
10.4	**455917**	10C10.0–J	99.0	A1	3.56	1.96
10.9	**455918**	10C10.5–J	106.0	A1	3.56	1.96
11.4	**455919**	10C11.0–J	115.0	A1	3.56	1.96
12.4	**455920**	10C12.0–J	114.0	A1	3.56	1.96
13.4	**456061**	10C13.0–J	119.0	A1	3.56	1.96
14.4	**455921**	10C14.0–J	128.0	A1	3.63	2.02
16.4	**455922**	10C16.0–J	147.0	A1	3.56	1.96
18.4	**455923**	10C18.0–J	156.0	A3	3.56	1.96
20.4	**455924**	10C20.0–J	171.0	A3	3.56	1.96
24.4	**455925**	10C24.0–M	257.0	A3	1.94	0.20
30.4	**455926**	10C30.0–M	321.0	A3	1.94	0.20
36.4	**455927**	10C36.0–M	393.0	A3	1.94	0.20
44.4	**455928**	10C44.0–M	500.0	A3	1.94	0.20
50.4	**455929**	10C50.0–M	589.0	A3	1.94	0.20

Δ Pitch Diameter = O.D.

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.

+ Recommended CX Belt only

D QD SHEAVES - Heavy Duty



3-Groove — **F = 4.62**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**455946**	3D 12.0–F	83.0	A1	1.50	0.08
13.6	**455947**	3D 13.0–F	88.0	A1	1.50	0.08
14.1	**455948**	3D 13.5–F	88.0	A1	1.50	0.08
14.6	**455949**	3D 14.0–F	111.0	A1	1.50	0.08
15.1	**455950**	3D 14.5–F	111.0	A1	1.50	0.08
15.6	**455951**	3D 15.0–F	105.0	A2	1.50	0.08
16.1	**455952**	3D 15.5–F	105.0	A2	1.50	0.08
16.6	**455953**	3D 16.0–F	150.0	A2	1.50	0.08
18.6	**455954**	3D 18.0–J	146.0	D2	1.19	0.41
20.6	**455955**	3D 20.0–J	117.0	D2	1.19	0.41
22.6	**455956**	3D 22.0–J	128.0	D2	1.19	0.41
27.6	**455957**	3D 27.0–J	129.0	D3	1.19	0.41
33.6	**455958**	3D 33.0–J	200.0	D3	1.19	0.41

4-Groove — **F = 6.06**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**455960**	4D 12.0–F	85.0	A1	2.31	0.89
13.6	**455961**	4D 13.0–F	76.0	A1	2.31	0.89
14.1	**455962**	4D 13.5–F	107.0	A1	2.31	0.89
14.6	**455983**	4D 14.0–F	106.0	A2	2.31	0.89
15.1	**455964**	4D 14.5–F	106.0	A2	2.31	0.89
15.6	**455965**	4D 15.0–F	110.0	A2	2.31	0.89
16.1	**455966**	4D 15.5–F	110.0	A2	2.31	0.89
16.6	**455967**	4D 16.0–F	150.0	A2	2.31	0.89
18.6	**455968**	4D 18.0–J	146.0	D2	1.56	0.04
20.6	**455969**	4D 20.0–J	137.0	D2	1.56	0.04
22.6	**455970**	4D 22.0–J	151.0	D2	1.56	0.04
27.6	**455971**	4D 27.0–J	190.0	D3	1.56	0.04
33.6	**455972**	4D 33.0–M	288.0	C3	1.06	0.68
40.6	**455973**	4D 40.0–M	354.0	C3	1.06	0.68
48.6	**455974**	4D 48.0–M	439.0	C3	1.06	0.68

5-Groove — **F = 7.50**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**455976**	5D 12.0–F	98.0	A1	3.06	1.64
13.6	**455977**	5D 13.0–F	114.0	A1	3.06	1.64
14.1	**455978**	5D 13.5–F	134.0	A1	3.06	1.64
14.6	**455979**	5D 14.0–F	140.0	A1	3.06	1.64
15.1	**455980**	5D 14.5–F	140.0	A1	3.06	1.64
15.6	**455981**	5D 15.0–F	146.0	A2	3.06	1.64
16.1	**455982**	5D 15.5–F	146.0	A2	3.06	1.64
16.6	**455983**	5D 16.0–F	143.0	A2	3.06	1.64
18.6	**455984**	5D 18.0–J	164.0	D2	1.56	0.04
20.6	**455985**	5D 20.0–J	157.0	D2	0.69	0.91
22.6	**455986**	5D 22.0–J	174.0	D3	1.56	0.04
27.6	**455987**	5D 27.0–M	268.0	A3	1.94	0.20
33.6	**455988**	5D 33.0–M	329.0	A3	1.94	0.20
40.6	**455989**	5D 40.0–M	408.0	A3	1.94	0.20
48.6	**455990**	5D 48.0–M	510.0	A3	1.94	0.20

6-Groove — **F = 8.93**

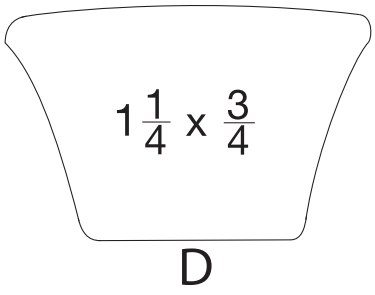
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**455992**	6D 12.0–J	126.0	A1	3.31	1.71
13.6	**455993**	6D 13.0–J	140.0	A1	3.31	1.71
14.1	**455994**	6D 13.5–J	140.0	A1	3.31	1.71
14.6	**455995**	6D 14.0–J	159.0	A1	3.31	1.71
15.1	**455996**	6D 14.5–J	162.0	A1	3.31	1.71
15.6	**455997**	6D 15.0–J	162.0	A2	3.31	1.71
16.1	**455998**	6D 15.5–J	162.0	A2	3.31	1.71
16.6	**456000**	6D 16.0–J	199.0	A1	3.88	2.27
18.6	**456001**	6D 18.0–J	223.0	A2	3.88	2.27
20.6	**456002**	6D 20.0–J	178.0	A2	3.88	2.27
22.6	**456003**	6D 22.0–M	246.0	A2	3.16	1.42
27.6	**456004**	6D 27.0–M	298.0	A3	1.94	0.20
33.6	**456005**	6D 33.0–M	369.0	A3	1.94	0.20
40.6	**456006**	6D 40.0–M	462.0	A3	1.94	0.20
48.6	**456007**	6D 48.0–M	581.0	A3	1.94	0.20
58.6	**456008**	6D 58.0–N	764.0	D3	1.34	0.71

Δ Pitch Diameter = O.D.

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

SELECTION/DIMENSIONS

D QD SHEAVES - Heavy Duty



8-Groove					F = 11.81	
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**456009**	8D 12.0–J	151.0	A1	3.56	1.96
13.6	**456010**	8D 13.0–J	168.0	A1	3.56	1.96
14.1	**456011**	8D 13.5–J	168.0	A1	3.56	1.96
14.6	**456015**	8D 14.0–J	181.0	A1	3.56	1.96
15.1	**456016**	8D 14.5–J	181.0	A1	3.56	1.96
15.6	**456017**	8D 15.0–J	216.0	A1	3.56	1.96
16.1	**456018**	8D 15.5–J	216.0	A1	3.56	1.96
16.6	**456019**	8D 16.0–J	237.0	A1	3.56	1.96
18.6	**456020**	8D 18.0–M	249.0	A2	4.19	2.45
20.6	**456021**	8D 20.0–M	299.0	A2	4.38	2.64
22.6	**456022**	8D 22.0–M	292.0	A2	2.34	0.60
27.6	**456023**	8D 27.0–M	360.0	A3	2.19	0.45
33.6	**456024**	8D 33.0–M	451.0	A3	1.94	0.20
40.6	**456025**	8D 40.0–N	588.0	A3	2.25	0.20
48.6	**456026**	8D 48.0–N	739.0	A3	2.25	0.20
58.6	**456027**	8D 58.0–N	950.0	D3	2.78	0.73

10-Groove					F = 14.68	
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**456028**	10D 12.0–M	153.0	A1	3.94	2.20
13.6	**456029**	10D 13.0–M	180.0	A1	3.81	2.07
14.1	**456030**	10D 13.5–M	186.0	A1	3.94	2.20
14.6	**456031**	10D 14.0–M	221.0	A1	3.81	2.07
15.1	**456032**	10D 14.5–M	221.0	A1	3.81	2.07
15.6	**456033**	10D 15.0–M	247.0	A1	3.94	2.20
16.1	**456034**	10D 15.5–M	270.0	A1	3.94	2.20
16.6	**456035**	10D 16.0–M	267.0	A1	1.88	0.14
18.6	**456036**	10D 18.0–M	274.0	A1	3.88	2.14
20.6	**456037**	10D 20.0–M	341.0	A2	3.50	1.76
22.6	**456038**	10D 22.0–M	339.0	A2	2.94	1.20
27.6	**456039**	10D 27.0–M	422.0	A3	2.94	1.20
33.6	**456040**	10D 33.0–N	552.0	A3	3.25	1.20
40.6	**456041**	10D 40.0–N	696.0	A3	3.38	1.33
48.6	**456042**	10D 48.0–P	926.0	A3	2.63	0.32
58.6	**456043**	10D 58–P	1179.0	D3	3.72	1.42

Δ Pitch Diameter = O.D.

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.**

WARNING: The sheaves listed in this catalog must not be used with the high modulus belts unless approved by factory. Do not use with belt speeds exceeding 6500 fpm. May cause sheaves to fragment resulting in personal injury or property damage.

12-Groove				F = 17.56		
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**456044**	12D12.0--M	180.0	A-1	7.31	4.94
12.6	**456045**	12D13.0--M	230.0	A-1	7.31	4.94
14.6	**456047**	12D14.0--M	256.0	A-1	7.31	4.94
15.1	**456048**	12D14.5-M	270.0	A-1	7.31	4.94
15.6	**456049**	12D15.0--M	285.0	A-1	7.31	4.94
16.1	**456050**	12D15.5--M	285.0	A-1	7.31	4.94
16.6	**456051**	12D16.0--M	300.0	A-2	7.31	4.94
18.6	**456052**	12D18.0-M	320.0	A-2	7.31	4.94
22.6	**456054**	12D22.0--M	376.0	A-3	8.31	3.94
27.6	**456055**	12D27.0--N	500.0	A-3	6.94	4.25
33.6	**456056**	12D33.0--N	662.0	A-3	6.94	4.25
40.6	**456057**	12D40.0-P	850.0	A-3	7.56	2.63
48.6	**456059**	12D48.0-P	1100.0	A-3	7.56	2.63
58.6	**456060**	12D58.0-P	1158.0	A-3	7.56	2.63

Pitch Diameter = O.D.

‡ **Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2**

DODGE

3V QD SHEAVES - Standard Duty

1-Groove		F= .69 up to and including 10.60 O.D. Balance .81				
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# 2.20	**D1-3V22**	1/3V2.2-JA	0.8	E1	0.00	1.02
# 2.35	**D1-3V235**	1/3V2.35-JA	0.85	E1	0.00	1.02
# 2.50	**D1-3V25**	1/3V2.5-JA	0.92	E1	0.00	1.02
2.65	**D1-3V265**	1/3V2.65-JA	0.5	D1	0.06	0.45
2.80	**D1-3V28**	1/3V2.8-JA	0.7	D1	0.06	0.45
3.00	**D1-3V30**	1/3V3.0-JA	0.7	D1	0.06	0.45
3.15	**D1-3V315**	1/3V3.15-JA	0.7	D1	0.06	0.45
3.35	**D1-3V335**	1/3V3.35-JA	1.1	D1	0.06	0.45
3.65	**D1-3V365**	1/3V3.65-SH	1.3	E1	0.00	0.63
4.12	**D1-3V412**	1/3V4.12-SH	1.8	E1	0.00	0.63
4.50	**D1-3V45**	1/3V4.5-SH	2.2	E1	0.00	0.63
4.75	**D1-3V475**	1/3V4.75-SH	2.2	E1	0.00	0.63
5.00	**D1-3V50**	1/3V5.0-SH	2.9	E1	0.00	0.63
5.30	**D1-3V53**	1/3V5.3-SH	3.3	E1	0.00	0.63
5.60	**D1-3V56**	1/3V5.6-SH	3.7	E1	0.00	0.63
6.00	**D1-3V60**	1/3V6.0-SH	3.9	E2	0.00	0.63
6.50	**D1-3V65**	1/3V6.5-SH	4.9	E2	0.00	0.63
6.90	**D1-3V69**	1/3V6.9-SH	5.5	E2	0.00	0.63
8.00	**D1-3V80**	1/3V8.0-SDS	5.1	E3	0.00	0.69
10.60	**D1-3V106**	1/3V10.6-SDS	8.6	E3	0.00	0.69
14.00	**D1-3V140**	1/3V14.0-SK	15.3	C3	0.00	0.81
19.00	**D1-3V190**	1/3V19.0-SK	18.3	C3	0.00	0.91

2-Groove						F = 1.09
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# 2.20	**D2-3V22**	2/3V2.2-JA	0.9	E1	0.00	1.02
# 2.35	**D2-3V235**	2/3V2.35-JA	1.0	E1	0.00	1.02
# 2.50	**D2-3V25**	2/3V2.5-JA	1.1	E1	0.00	1.02
## 2.65	**D2-3V265**	2/3V2.65-JA	0.8	D1	0.13	0.39
## 2.80	**D2-3V28**	2/3V2.8-JA	1.0	D1	0.13	0.39
## 3.00	**D2-3V30**	2/3V3.0-JA	1.2	D1	0.13	0.39
## 3.15	**D2-3V315**	2/3V3.15-JA	1.4	D1	0.13	0.39
## 3.35	**D2-3V335**	2/3V3.35-SH	1.2	D1	0.13	0.50
## 3.65	**D2-3V365**	2/3V3.65-SH	1.6	D1	0.13	0.50
4.12	**D2-3V412**	2/3V4.12-SH	2.2	D1	0.34	0.28
4.50	**D2-3V45**	2/3V4.5-SH	2.7	D1	0.34	0.28
4.75	**D2-3V475**	2/3V4.75-SH	3.2	D1	0.34	0.28
5.00	**D2-3V50**	2/3V5.0-SH	3.7	D1	0.34	0.28
5.30	**D2-3V53**	2/3V5.3-SH	4.2	D1	0.34	0.28
5.60	**D2-3V56**	2/3V5.6-SH	4.6	D1	0.34	0.28
6.00	**D2-3V60**	2/3V6.0-SH	5.0	D2	0.34	0.28
6.50	**D2-3V65**	2/3V6.5-SDS	5.8	D2	0.31	0.38
6.90	**D2-3V69**	2/3V6.9-SDS	6.4	D2	0.31	0.38
8.00	**D2-3V80**	2/3V8.0-SDS	6.6	D3	0.31	0.38
10.60	**D2-3V106**	2/3V10.6-SK	11.7	C3	0.19	0.63
14.00	**D2-3V140**	2/3V14.0-SK	17.9	C3	0.19	0.63
19.00	**D2-3V190**	2/3V19.0-SK	26.6	E3	0.00	0.81
25.00	**D2-3V250**	2/3V25.0--SF	33.4	C3	0.00	0.81

3-Groove						F = 1.50
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
## 2.65	**D3-3V265**	3/3V2.65-JA	1.1	D1	0.13	0.39
## 2.80	**D3-3V28**	3-3V2.8-JA	1.3	D1	0.13	0.39
#* 3.00	**D3-3V30**	3/3V3.0-SH	1.6	E1	0.00	1.03
#* 3.15	**D3-3V315**	3/3V3.15-SH	2.0	E1	0.00	1.00
## 3.35	**D3-3V3.35**	3/3V3.35-SH	1.8	D1	0.06	0.56
## 3.65	**D3-3V365**	3/3V3.65-SH	2.4	D1	0.06	0.56
4.12	**D3-3V412**	3/3V4.12-SH	2.7	D1	0.63	0.00
4.50	**D3-3V450**	3/3V4.50-SDS	3.0	D1	0.69	0.00
4.75	**D3-3V475**	3/3V4.75-SDS	3.7	D1	0.69	0.00
5.00	**D3-3V50**	3/3V5.0-SDS	4.2	D1	0.69	0.00
5.30	**D3-3V53**	3/3V5.3-SDS	4.7	D1	0.69	0.00
5.60	**D3-3V56**	3/3V5.6-SDS	5.2	D1	0.69	0.00
6.00	**D3-3V60**	3/3V6.0-SDS	6.2	D1	0.69	0.00
6.50	**D3-3V65**	3/3V6.5-SDS	6.7	D2	0.69	0.00
6.90	**D3-3V69**	3/3V6.9-SDS	7.5	D2	0.69	0.00
8.00	**D3-3V80**	3/3V8.0-SK	9.8	D3	0.19	0.63
10.60	**D3-3V106**	3/3V10.6-SK	14.0	D3	0.19	0.63
14.00	**D3-3V140**	3/3V14.0-SK	19.4	D3	0.19	0.63
19.00	**D3-3V190**	3/3V19.0--SF	32.1	E3	0.00	0.81
25.00	**D3-3V250**	3/3V25.0-SF	38.5	E3	0.00	0.81
33.50	**D3-3V335**	3/3V33.5-SF	79.3	D3	0.10	0.72

* For 3-3V3.00; F=1.912", For 3-3V3.15; F=1 7/8

4-Groove						F = 1.90
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
## 2.65	**D4-3V2.65**	4/3V2.65-JA	1.4	D1	0.13	0.39
## 2.80	**D4-3V28**	4/3V2.8-JA	1.6	D1	0.13	0.39
# 3.00	**D4-3V30**	4/3V3.0-SH	2.3	E1	0.00	1.03
# 3.15	**D4-3V315**	4/3V3.15-SH	2.7	E1	0.00	1.00
## 3.35	**D4-3V3.35**	4/3V3.35-SH	2.3	D1	0.13	0.50
## 3.65	**D4-3V365**	4/3V3.65-SH	3.1	D1	0.13	0.50
4.12	**D4-3V412**	4/3V4.12-SH	3.2	A1	0.81	0.19
4.50	**D4-3V45**	4/3V4.5-SDS	3.4	A1	0.88	0.19
4.75	**D4-3V475**	4/3V4.75-SDS	4.4	A1	0.81	0.13
5.00	**D4-3V50**	4/3V5.0-SDS	5.0	A1	0.81	0.13
5.30	**D4-3V53**	4/3V5.3-SDS	6.0	A1	0.75	0.13
5.60	**D4-3V56**	4/3V5.6-SDS	6.2	A1	0.81	0.13
6.00	**D4-3V60**	4/3V6.0-SK	7.8	D1	0.56	0.25
6.50	**D4-3V65**	4/3V6.5-SK	9.5	D1	0.56	0.25
6.90	**D4-3V69**	4/3V6.9-SK	11.1	D1	0.56	0.25
8.00	**D4-3V80**	4/3V8.0-SK	11.2	D3	0.56	0.25
10.60	**D4-3V106**	4/3V10.6-SK	16.0	D3	0.56	0.25
14.00	**D4-3V140**	4/3V14.0-SK	25.0	D3	0.56	0.25
19.00	**D4-3V190**	4/3V19.0-SF	39.8	C3	0.75	0.06
25.00	**D4-3V250**	4/3V25.0-SF	51.1	D3	0.38	0.44
33.50	**D4-3V335**	4/3V33.5-E	94.1	D3	0.28	0.78

P.D. for "3V" Belts = O.D.

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

Reverse Mount Only

This sheave can only be reverse mounted with standard bushing bolts. Special bolts required for conventional mounting.

SELECTION/DIMENSIONS

DODGE

5V QD SHEAVES - Standard Duty

5-Groove						F = 2.31
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
4.75	**D5-3V475**	5/3V4.75-SDS	4.7	A1	0.81	0.13
5.00	**D5-3V50**	5/3V5.0-SDS	6	A1	0.81	0.13
5.30	**D5-3V53**	5/3V5.3-SK	6.2	A1	0.88	0.06
5.60	**D5-3V56**	5/3V5.6-SK	7.4	A1	0.84	0.03
6.00	**D5-3V60**	5/3V6.0-SK	8.8	A1	0.88	0.06
6.50	**D5-3V65**	5/3V6.5-SK	9.9	A1	0.88	0.06
6.90	**D5-3V69**	5/3V6.9-SK	11.5	A1	0.84	0.03
8.00	**D5-3V80**	5/3V8.0-SK	14.5	A2	0.88	0.06
10.60	**D5-3V106**	5/3V10.6-SK	19.3	A3	0.97	0.16
14.00	**D5-3V140**	5/3V14.0-SF	26.5	D3	0.72	0.09
19.00	**D5-3V190**	5/3V19.0-SF	33.9	A3	0.91	0.09
25.00	**D5-3V250**	5/3V25.0-E	60.7	D3	0.63	0.44
33.50	**D5-3V335**	5/3V33.5-E	107	D3	0.69	0.38

6-Groove						F = 2.72
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# 4.75	**D6-3V475**	6/3V4.75-SK	5.8	E1	0.00	0.81
# 5.00	**D6-3V50**	6/3V5.0-SK	7.1	E1	0.00	0.81
5.30	**D6-3V53**	6/3V5.3-SK	6.8	A1	1.28	0.47
5.60	**D6-3V56**	6/3V5.6-SK	8.2	A1	1.25	0.44
6.00	**D6-3V60**	6/3V6.0-SK	9.7	A1	1.25	0.44
6.50	**D6-3V65**	6/3V6.5-SK	10.8	A1	0.88	0.06
6.90	**D6-3V69**	6/3V6.9-SK	12.2	A1	1.25	0.44
8.00	**D6-3V80**	6/3V8.0-SK	16	A2	0.88	0.06
10.60	**D6-3V106**	6/3V10.6-SF	18.7	A3	0.97	0.16
14.00	**D6-3V140**	6-3V14.0-SF	30.5	A3	0.90	0.09
19.00	**D6-3V190**	6/3V19.0-E	47.6	D3	1.03	0.03
25.00	**D6-3V250**	6/3V25.0-E	66.9	D3	1.03	0.03
33.50	**D6-3V335**	6/3V33.5-E	121.6	A3	1.09	0.03

8-Groove						F = 3.53
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# 4.75	**D8-3V475**	8/3V4.75-SK	7.2	E1	0.00	0.81
# 5.00	**D8-3V50**	8/3V5.0-SK	8.9	E1	0.00	0.81
5.30	**D8-3V53**	8/3V5.3-SK	8.3	A1	1.25	0.44
5.60	**D8-3V56**	8/3V5.6-SK	9.5	A1	1.25	0.44
6.00	**D8-3V60**	8/3V6.0-SK	11.7	A1	1.25	0.44
6.50	**D8-3V65**	8/3V6.5-SK	13.6	A1	1.25	0.44
6.90	**D8-3V69**	8/3V6.9-SK	15.4	A1	1.25	0.44
8.00	**D8-3V80**	8/3V8.0-SF	19.2	A2	1.13	0.31
10.60	**D8-3V106**	8/3V10.6-SF	22.5	A3	0.97	0.16
14.00	**D8-3V140**	8/3V14.0-E	42.9	D3	0.94	0.13
19.00	**D8-3V190**	8/3V19.0-E	66.6	D3	0.94	0.13
25.00	**D8-3V250**	8/3V25.0-E	92.2	D3	0.88	0.19
33.50	**D8-3V335**	8/3V33.5-F	153	D3	0.75	0.47

10-Groove						F = 4.34
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# 4.75	**D10-3V475**	10/3V4.75-SK	8.6	E1	0.00	0.81
# 5.00	**D10-3V50**	10/3V5.0-SK	10.7	E1	0.00	0.81
5.30	**D10-3V53**	10/3V5.3-SK	9.6	A1	1.38	0.56
5.60	**D10-3V56**	10-3V5.6-SK	11.9	A1	1.38	0.56
6.00	**D10-3V60**	10/3V6.0-SK	13.45	A1	1.38	0.56
6.50	**D10-3V65**	10/3V6.5-SK	14.1	A1	1.38	0.56
6.90	**D10-3V69**	10/3V6.9-SK	17.5	A1	1.38	0.56
8.00	**D10-3V80**	10/3V8.0-SF	21.55	A2	1.50	0.69
10.60	**D10-3V106**	10/3V10.6-E	31.6	D2	1.06	0.00
14.00	**D10-3V140**	10/3V14.0-E	41.6	D3	1.06	0.00
19.00	**D10-3V190**	10/3V19.0-E	74	D3	1.06	0.00
25.00	**D10-3V250**	10/3V25.0--F	105	D3	1.16	0.06
33.50	**D10-3V335**	10/3V33.5-F	180	D3	1.16	0.06

Reverse Mount Only

P.D. for "3V" Belts = O.D.

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

DODGE

5V QD SHEAVES - Standard Duty

2-Groove						F = 1.69
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# + 4.40	**D2-5V44**	2/5V4.4-SH	3.4	D1	0.16	0.47
## + 4.65	**D2-5V465**	2/5V4.65-SDS	3.6	E1	0.00	0.69
+ 4.90	**D2-5V49**	2/5V4.9-SDS	3.9	D1	0.69	0.22
+ 5.20	**D2-5V52**	2/5V5.2-SDS	4.8	D1	0.47	0.22
+ 5.50	**D2-5V55**	2/5V5.5-SDS	5.5	D1	0.47	0.22
+ 5.90	**D2-5V59**	2/5V5.9-SDS	6.5	D1	0.47	0.22
+ 6.30	**D2-5V63**	2/5V6.3-SK	9.6	D1	0.38	0.44
+ 6.70	**D2-5V67**	2/5V6.7-SK	9.3	D1	0.38	0.44
7.10	**D2-5V71**	2/5V7.1-SK	10.6	D1	0.44	0.38
7.50	**D2-5V75**	2/5V7.5-SK	12.1	D1	0.44	0.38
8.00	**D2-5V80**	2/5V8.0-SK	14.3	D1	0.44	0.38
8.50	**D2-5V85**	2/5V8.5-SK	16.2	D1	0.44	0.38
9.00	**D2-5V90**	2/5V9.0-SK	18.5	D1	0.44	0.38
9.25	**D2-5V925**	2/5V9.25-SK	17	D2	0.44	0.38
9.75	**D2-5V975**	2/5V9.75-SK	18.2	D2	0.44	0.38
10.30	**D2-5V103**	2/5V10.3-SK	18	D2	0.44	0.38
10.90	**D2-5V109**	2/5V10.9-SK	20.8	D2	0.44	0.38
11.30	**D2-5V113**	2/5V11.3-SK	16.9	D3	0.44	0.38
11.80	**D2-5V118**	2/5V11.8-SK	18.6	D3	0.44	0.38
12.50	**D2-5V125**	2/5V12.5-SF	20.8	D3	0.44	0.38
13.20	**D2-5V132**	2/5V13.2-SF	22	D3	0.44	0.38
14.00	**D2-5V140**	2/5V14.0-SF	24.8	D3	0.44	0.38
15.00	**D2-5V150**	2/5V15.0-SF	26.6	D3	0.44	0.38
16.00	**D2-5V160**	2/5V16.0-SF	34.9	D3	0.44	0.38
18.70	**D2-5V187**	2/5V18.7-SF	43.8	D3	0.44	0.38
21.20	**D2-5V212**	2/5V21.2--SF	43.8	D3	0.44	0.38
23.60	**D2-5V236**	2/5V23.6--E	61.7	C3	0.75	0.31
28.00	**D2-5V280**	2/5V28.0-E	73	C3	0.75	0.31
31.50	**- - -**	- - -	- - -	- - -	- - -	- - -
37.50	**- - -**	- - -	- - -	- - -	- - -	- - -
50.00	**- - -**	- - -	- - -	- - -	- - -	- - -

3-Groove						F = 2.38
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# + 4.40	**D3-5V44**	3/5V4.4-SDS	4.3	E1	0.00	0.69
# + 4.65	**D3-5V465**	3/5V4.65-SDS	5.2	E1	0.00	0.69
+ 4.90	**D3-5V49**	3/5V4.9-SDS	4.9	A1	1.06	0.38
+ 5.20	**D3-5V52**	3/5V5.2-SDS	6.1	A1	1.06	0.38
+ 5.50	**D3-5V55**	3/5V5.5-SDS	6.4	A1	1.00	0.31
+ 5.90	**D3-5V59**	3/5V5.9-SDS	8.2	A1	1.00	0.31
+ 6.30	**D3-5V63**	3/5V6.3-SK	9	A1	1.25	0.25
+ 6.70	**D3-5V67**	3/5V6.7-SK	12.7	A1	1.06	0.25
7.10	**D3-5V71**	3/5V7.1-SF	12.3	D1	0.75	0.06
7.50	**D3-5V75**	3/5V7.5-SF	13.8	D1	0.75	0.06
8.00	**D3-5V80**	3/5V8.0-SF	16.2	D1	0.75	0.06
8.50	**D3-5V85**	3/5V8.5-SF	18.3	D1	0.75	0.06
9.00	**D3-5V90**	3/5V9.0-SF	20.6	D1	0.75	0.06
9.25	**D3-5V925**	3/5V9.25-SF	20.2	D2	0.75	0.06
9.75	**D3-5V975**	3/5V9.75-SF	20.8	D2	0.75	0.06
10.30	**D3-5V103**	3/5V10.3-SF	20.5	D2	1.00	0.06
10.90	**D3-5V109**	3/5V10.9-SF	23.4	D2	0.75	0.06
11.30	**D3-5V113**	3/5V11.3-SF	22.7	D3	0.75	0.06
11.80	**D3-5V118**	3/5V11.8-SF	24.4	D3	0.75	0.06
12.50	**D3-5V125**	3/5V12.5-E	31.1	D3	0.38	0.69
13.20	**D3-5V132**	3/5V13.2-E	32.2	D3	0.38	0.69
14.00	**D3-5V140**	3/5V14.0-E	35.5	D3	0.75	0.69
15.00	**D3-5V150**	3/5V15.0-E	38.3	D3	0.38	0.69
16.00	**D3-5V160**	3/5V16.0-E	40.1	D3	0.38	0.69
18.70	**D3-5V187**	3/5V18.7-E	46.6	D3	0.75	0.31
21.20	**D3-5V212**	3/5V21.2-E	57.2	D3	0.38	0.69
23.60	**D3-5V236**	3/5V23.6-E	73	D3	0.72	0.34
28.00	**D3-5V280**	3/5V28.0-E	97	D3	0.75	0.31
31.50	**D3-5V315**	3/5V31.5--F	128	C3	0.25	0.97
37.50	**D3-5V375**	3/5V37.5--F	158	C3	0.25	0.97
50.00	**D3-5V500**	3/5V50.0-F	218	C3	0.25	0.97

+ 5VX Belts only on these sizes.

Reverse Mount Only

This sheave can only be reverse mounted with standard bushing bolts. Special bolts required for conventional mounting.

P.D. for "5V" Belts = O.D.

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.

SELECTION/DIMENSIONS

DODGE

5V QD SHEAVES - Standard Duty

4-Groove **F = 3.06**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# + 4.40	**D4-5V44**	4/5V4.4-SD	5.4	E1	0.00	0.69
# + 4.65	**D4-5V465**	4/5V4.65-SD	6.1	E1	0.00	0.69
+ 4.90	**D4-5V49**	4/5V4.9-SD	6.5	A1	1.31	0.63
+ 5.20	**D4-5V52**	4/5V5.2-SD	8.2	A1	1.31	0.63
+ 5.50	**D4-5V55**	4/5V5.5-SD	9.4	A1	1.31	0.63
+ 5.90	**D4-5V59**	4/5V5.9-SD	10	A1	1.31	0.63
+ 6.30	**D4-5V63**	4/5V6.3-SK	11.7	A1	1.31	0.50
+ 6.70	**D4-5V67**	4/5V6.7-SK	13.4	A1	1.31	0.50
7.10	**D4-5V71**	4/5V7.1-SF	14.5	D1	0.81	0.00
7.50	**D4-5V75**	4/5V7.5-SF	16.3	D1	0.81	0.00
8.00	**D4-5V80**	4/5V8.0-E	17.9	D1	1.06	0.00
8.50	**D4-5V85**	4/5V8.5-E	21.7	D1	1.06	0.00
9.00	**D4-5V90**	4/5V9.0-E	24.4	D1	1.06	0.00
9.25	**D4-5V925**	4/5V9.25-E	26.2	D1	1.06	0.00
9.75	**D4-5V975**	4/5V9.75-E	29.4	A1	1.44	0.38
10.30	**D4-5V103**	4/5V10.3-E	28.6	D2	1.06	0.00
10.90	**D4-5V109**	4/5V10.9-E	30.3	D2	1.06	0.00
11.30	**D4-5V113**	4/5V11.3-E	30.9	A2	1.44	0.38
11.80	**D4-5V118**	4/5V11.8-E	32.5	D2	1.06	0.00
12.50	**D4-5V125**	4/5V12.5-E	35	A3	1.44	0.38
13.20	**D4-5V132**	4/5V13.2-E	37.4	D3	1.06	0.00
14.00	**D4-5V140**	4/5V14.0-E	41.1	D3	1.06	0.00
15.00	**D4-5V150**	4/5V15.0-E	43.7	D3	1.06	0.00
16.00	**D4-5V160**	4/5V16.0-E	46.9	D3	1.06	0.00
18.70	**D4-5V187**	4/5V18.7-E	58.5	A3	1.25	0.19
21.20	**D4-5V212**	4/5V21.2-E	77	A3	1.25	0.19
23.60	**D4-5V236**	4/5V23.6-F	98	D3	0.56	0.66
28.00	**D4-5V280**	4/5V28.0--F	118	D3	0.56	0.66
31.50	**D4-5V315**	4/5V31.5-F	141	C3	0.88	0.34
37.50	**D4-5V375**	4/5V37.5-F	178	D3	0.56	0.66
50.00	**D4-5V500**	4/5V50.0-J	269	C3	0.69	0.94

5-Groove **F = 3.75**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# + 4.40	**D5-5V44**	5/5V4.4-SD	6.3	E1	0.00	0.69
# + 4.65	**D5-5V465**	5-5V4.65-SD	7	E1	0.00	0.69
+ 4.90	**D5-5V49**	5/5V4.9-SD	7.9	A1	1.31	0.63
+ 5.20	**D5-5V52**	5/5V5.2-SD	9.7	A1	1.31	0.63
+ 5.50	**D5-5V55**	5/5V5.5-SD	10.9	A1	1.31	0.63
+ 5.90	**D5-5V59**	5/5V5.9-SK	11.2	A1	1.31	0.50
+ 6.30	**D5-5V63**	5/5V6.3-SK	12.2	A1	1.31	0.50
+ 6.70	**D5-5V67**	5/5V6.7-SF	13.2	A1	1.31	0.50
7.10	**D5-5V71**	5/5V7.1-SF	16.7	A1	1.13	0.31
7.50	**D5-5V75**	5/5V7.5-SF	18.5	A1	1.13	0.31
8.00	**D5-5V80**	5/5V8.0-E	20	A1	1.38	0.31
8.50	**D5-5V85**	5/5V8.5-E	24.4	A1	1.38	0.31
9.00	**D5-5V90**	5/5V9.0-E	27.4	A1	1.38	0.31
9.25	**D5-5V925**	5/5V9.25-E	29.2	A1	1.38	0.31
9.75	**D5-5V975**	5/5V9.75-E	32.8	A1	1.38	0.31
10.30	**D5-5V103**	5/5V10.3-E	31.1	A2	1.38	0.31
10.90	**D5-5V109**	5/5V10.9-E	33	A2	1.38	0.31
11.30	**D5-5V113**	5/5V11.3-E	35	A2	1.38	0.31
11.80	**D5-5V118**	5/5V11.8-E	37.3	A2	1.38	0.31
12.50	**D5-5V125**	5/5V12.5-E	38.9	A2	1.38	0.31
13.20	**D5-5V132**	5/5V13.2-E	41.8	A2	1.38	0.31
14.00	**D5-5V140**	5/5V14.0-E	45.3	A3	1.38	0.31
15.00	**D5-5V150**	5/5V15.0-E	49.1	A3	1.38	0.31
16.00	**D5-5V160**	5/5V16.0-E	51.9	A3	1.38	0.31
18.70	**D5-5V187**	5/5V18.7-F	86	D3	0.94	0.28
21.20	**D5-5V212**	5/5V21.2-F	84.7	D3	1.00	0.22
23.60	**D5-5V236**	5/5V23.6-F	111	D3	1.00	0.22
28.00	**D5-5V280**	5/5V28.0-F	128	D3	1.00	0.22
31.50	**D5-5V315**	5/5V31.5--J	174	D3	0.27	0.30
37.50	**D5-5V375**	5/5V37.5-J	199	D3	0.53	0.88
50.00	**D5-5V500**	5/5V50.0-J	319	D3	0.53	0.88

+ 5VX Belts only on these sizes.

Reverse Mount Only

This sheave can only be reverse mounted with standard bushing bolts. Special bolts required for conventional mounting.

P.D. for "5V" Belts = O.D.

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2.

DODGE

5V QD SHEAVES - Standard Duty

8-Groove						F = 5.81
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
7.10	**D8-5V71**	8/5V7.1-SF	23	A1	1.88	1.06
7.50	**D8-5V75**	8/5V7.5-SF	25.4	A1	1.88	1.06
8.00	**D8-5V80**	8/5V8.0-E	26	A1	2.13	1.06
8.50	**D8-5V85**	8/5V8.5-E	33	A1	2.13	1.06
9.00	**D8-5V90**	8/5V9.0-E	36	A1	2.13	1.06
9.25	**D8-5V925**	8/5V9.25-F	42	A1	2.25	1.03
9.75	**D8-5V975**	8/5V9.75-F	47	A1	2.25	1.03
10.30	**D8-5V103**	8/5V10.3-F	54	A1	2.25	1.03
10.90	**D8-5V109**	8/5V10.9-F	61	A1	2.25	1.03
11.30	**D8-5V113**	8/5V11.3-F	57	A2	2.25	1.03
11.80	**D8-5V118**	8/5V11.8-F	59	A2	2.25	1.03
12.50	**D8-5V125**	8/5V12.5-F	63	A2	2.25	1.03
13.20	**D8-5V132**	8/5V13.2-F	67	A2	2.25	1.03
14.00	**D8-5V140**	8/5V14.0-F	77	A2	2.25	1.03
15.00	**D8-5V150**	8/5V15.0-F	79	A3	2.25	1.03
16.00	**D8-5V160**	8/5V16.0-F	85	A3	2.25	1.03
18.70	**D8-5V187**	8/5V18.7-J	112	A3	1.56	0.16
21.20	**D8-5V212**	8/5V21.2-J	119	D3	1.19	0.22
23.60	**D8-5V236**	8/5V23.6--J	154	A3	1.56	0.16
28.00	**D8-5V280**	8/5V28.0-J	179	D3	1.19	0.22
31.50	**D8-5V315**	8/5V31.5-M**	295	B3	1.88	0.22
37.50	**D8-5V375**	8/5V37.5-M**	326	C3	1.38	0.28
50.00	**D8-5V500**	8/5V50.0-M**	466	C3	1.44	0.22

6-Groove						F = 4.44
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# ++4.40	**D6-5V44**	6/5V4.4-SD	8.4	E1	0.00	0.69
# ++4.65	**D6-5V465**	6/5V4.65-SD	9.3	E1	0.00	0.69
++4.90	**D6-5V49**	6/5V4.9-SD	8.9	A1	1.31	0.63
++5.20	**D6-5V52**	6/5V5.2-SD	10.9	A1	1.31	0.63
++5.50	**D6-5V55**	6/5V5.5-SD	13.4	A1	1.31	0.63
++5.90	**D6-5V59**	6/5V5.9-SK	12.8	A1	1.31	0.50
++6.30	**D6-5V63**	6/5V6.3-SK	15.3	A1	1.31	0.50
++6.70	**D6-5V67**	6/5V6.7-SF	16.1	A1	1.63	0.81
7.10	**D6-5V71**	6/5V7.1-SF	18.8	A1	1.38	0.56
7.50	**D6-5V75**	6/5V7.5-SF	20.8	A1	1.38	0.56
8.00	**D6-5V80**	6/5V8.0-E	22.3	A1	1.63	0.56
8.50	**D6-5V85**	6/5V8.5-E	27.1	A1	1.63	0.56
9.00	**D6-5V90**	6/5V9.0-E	30.5	A1	1.63	0.56
9.25	**D6-5V925**	6/5V9.25-E	32.2	A1	1.63	0.56
9.75	**D6-5V975**	6/5V9.75-E	36.2	A1	1.63	0.56
10.30	**D6-5V103**	6/5V10.3-E	34.4	A2	1.63	0.56
10.90	**D6-5V109**	6/5V10.9-E	36.4	A2	1.63	0.56
11.30	**D6-5V113**	6/5V11.3-E	39.3	A2	1.63	0.56
11.80	**D6-5V118**	6/5V11.8-E	40.2	A2	1.63	0.56
12.50	**D6-5V125**	6/5V12.5-F	54.2	A2	1.75	0.53
13.20	**D6-5V132**	6/5V13.2-F	58	A2	1.75	0.53
14.00	**D6-5V140**	6/5V14.0-F	59.9	A2	1.75	0.53
15.00	**D6-5V150**	6/5V15.0-F	60	A3	1.75	0.53
16.00	**D6-5V160**	6/5V16.0-F	64.7	A3	1.75	0.53
18.70	**D6-5V187**	6/5V18.7--F	80.5	A3	1.31	0.09
21.20	**D6-5V212**	6/5V21.2-F	96.3	D3	1.00	0.22
23.60	**D6-5V236**	6/5V23.6--J	133	D3	0.94	0.47
28.00	**D6-5V280**	6/5V28.0-J	179	D3	0.94	0.47
31.50	**D6-5V315**	6/5V31.5--J	198	D3	0.94	0.47
37.50	**D6-5V375**	6/5V37.5-J	239	D3	0.94	0.47
50.00	**D6-5V500**	6/5V50.0-M**	386	C3	0.25	1.41

+ 5VX Belts only on these sizes.

Reverse Mount Only

10-Groove						F = 7.19
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
8.00	**D10-5V80**	10/5V8.0-E	32	A1	2.88	1.81
8.50	**D10-5V85**	10/5V8.5-E	38	A1	2.88	1.81
9.00	**D10-5V90**	10/5V9.0-F	46	A1	2.94	1.72
9.25	**D10-5V925**	10/5V9.25-F	48	A1	2.94	1.72
9.75	**D10-5V975**	10/5V9.75-F	54	A1	2.94	1.72
10.30	**D10-5V103**	10/5V10.3-F	61	A1	2.94	1.72
10.90	**D10-5V109**	10/5V10.9-F	69	A1	2.94	1.72
11.30	**D10-5V113**	10/5V11.3-F	73	A1	2.94	1.72
11.80	**D10-5V118**	10/5V11.8-F	77	A2	2.94	1.72
12.50	**D10-5V125**	10/5V12.5-J	93	A2	3.19	1.78
13.20	**D10-5V132**	10/5V13.2-J	100	A2	3.19	1.78
14.00	**D10-5V140**	10/5V14.0-J	90	A2	3.56	2.16
15.00	**D10-5V150**	10/5V15.0-J	98	A2	3.56	2.16
16.00	**D10-5V160**	10/5V16.0-J	99	A3	3.56	2.16
18.70	**D10-5V187**	10/5V18.7-J	123	A3	3.56	2.16
21.20	**D10-5V212**	10/5V21.2-J	139	A3	2.56	1.16
23.60	**D10-5V236**	10/5V23.6-M**	245	A3	1.88	0.22
28.00	**D10-5V280**	10/5V28.0-M**	256	A3	1.88	0.22
31.50	**D10-5V315**	10/5V31.5-M**	329	A3	1.88	0.22
37.50	**D10-5V375**	10/5V37.5-M**	356	A3	1.88	0.22
50.00	**D10-5V500**	10/5V50.0-M**	556	A3	1.94	0.28

P.D. for "5V" Belts = O.D.

** M-N-P-W are standard mounting only for these parts

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

SELECTION/DIMENSIONS

8V QD SHEAVES - Standard Duty

4-Groove — **F = 4.88**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	**D4-8V125**	4/8V12.5--F	56	D2	1.19	0.03
13.2	**D4-8V132**	4/8V13.2--F	63	D2	1.19	0.03
14.0	**D4-8V140**	4/8V14.0--F	65	D2	1.19	0.03
15.0	**D4-8V150**	4/8V15.0--F	72	D2	1.69	0.03
16.0	**D4-8V160**	4-8V16.0-F	80	D3	1.19	0.03
17.0	**D4-8V170**	4/8V17.0--F	93	A3	1.25	0.03
18.0	**D4-8V180**	4/8V18.0-F	105	A3	1.25	0.03
19.0	**D4-8V190**	4/8V19.0--F	113	D3	1.19	0.03
20.0	**D4-8V200**	4/8V20.0--J	125	A3	1.50	0.09
21.2	**D4-8V212**	4/8V21.2--J	131	A3	1.50	0.09
22.4	**D4-8V224**	4/8V22.4--J	150	A3	1.50	0.09
24.8	**D4-8V248**	4/8V24.8–M**	247	C3	0.81	0.84
30.0	**D4-8V300**	4/8V30.0–M**	230	C3	0.81	0.84
35.5	**D4-8V355**	4/8V35.5–M**	329	C3	0.81	0.84
40.0	**D4-8V400**	4/8V40.0–M**	325	C3	0.81	0.84
44.5	**D4-8V445**	4/8V44.5–M**	434	C3	0.81	0.84
53.0	**D4-8V530**	4/8V53.0–M**	425	C3	0.81	0.84

5-Groove — **F = 6.00**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	**D5-8V125**	5/8V12.5-F	64	A2	2.28	1.06
13.2	**D5-8V132**	5/8V13.2-F	75	A2	2.28	1.06
14.0	**D5-8V140**	5/8V14.0-F	77	A2	2.28	1.06
15.0	**D5-8V150**	5/8V15.0-F	87	A2	2.31	1.09
16.0	**D5-8V160**	5/8V16.0-F	93	A3	2.31	1.09
17.0	**D5-8V170**	5/8V17.0-J	105	A3	2.00	0.59
18.0	**D5-8V180**	5/8V18.0--J	117	A3	2.00	0.59
19.0	**D5-8V190**	5/8V19.0-J	126	A3	2.00	0.59
20.0	**D5-8V200**	5/8V20.0-J	135	A3	2.00	0.59
21.2	**D5-8V212**	5/8V21.2-J	160	A3	2.00	0.59
22.4	**D5-8V224**	5/8V22.4–M**	188	B3	1.94	0.28
24.8	**D5-8V248**	5/8V24.8–M**	266	B3	1.97	0.31
30.0	**D5-8V300**	5/8V30.0–M**	255	B3	1.97	0.31
35.5	**D5-8V355**	5/8V35.5–M**	391	B3	1.97	0.31
40.0	**D5-8V400**	5/8V40.0–M**	355	B3	1.97	0.31
44.5	**D5-8V445**	5/8V44.5–N**	538	C3	0.75	1.31
53.0	**D5-8V530**	5/8V53.0–N**	500	C3	0.75	1.31

6-Groove — **F = 7.13**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	**D6-8V125**	6/8V12.5-F	79	A1	3.31	2.09
13.2	**D6-8V132**	6/8V13.2-F	86	A2	2.28	1.06
14.0	**D6-8V140**	6/8V14.0-F	92	A2	2.28	1.06
15.0	**D6-8V150**	6/8V15.0--J	99	A2	2.56	1.16
16.0	**D6-8V160**	6/8V16.0-J	119	A2	2.56	1.16
17.0	**D6-8V170**	6/8V17.0-J	125	A3	2.56	1.16
18.0	**D6-8V180**	6/8V18.0-J	131	A3	2.56	1.16
19.0	**D6-8V190**	6/8V19.0-J	146	A3	2.56	1.16
20.0	**D6-8V200**	6/8V20.0–M**	153	B3	2.94	1.28
21.2	**D6-8V212**	6/8V21.2–M**	170	B2	2.94	1.28
22.4	**D6-8V224**	6/8V22.4–M**	205	B3	2.94	1.28
24.8	**D6-8V248**	6/8V24.8–M**	285	A3	1.94	0.28
30.0	**D6-8V300**	6/8V30.0–M**	291	A3	1.94	0.28
35.5	**D6-8V355**	6/8V35.5–N**	467	C3	1.88	0.19
40.0	**D6-8V400**	6/8V40.0–N**	401	B3	1.13	0.19
44.5	**D6-8V445**	6/8V44.5–N**	573	C3	1.88	0.19
53.0	**D6-8V530**	6/8V53.0–N**	520	C3	1.88	0.19
63.0	**D6-8V630**	6/8V63.0–P**	890	C3	1.63	0.75
71.0	**D6-8V710**	6/8V71.0–P**	1131	C3	1.63	0.75

8-Groove — **F = 9.38**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	**D8-8V125**	8/8V12.5--J	100	A1	3.44	2.03
13.2	**D8-8V132**	8/8V13.2--J	126	A1	3.44	2.03
14.0	**D8-8V140**	8/8V14.0--J	124	A2	3.44	2.03
15.0	**D8-8V150**	8/8V15.0-J	134	A2	3.44	2.03
16.0	**D8-8V160**	8/8V16.0--J	145	A2	3.56	2.16
17.0	**D8-8V170**	8/8V17.0–M**	213	A2	3.94	2.28
18.0	**D8-8V180**	8/8V18.0–M**	213	A2	3.94	2.28
19.0	**D8-8V190**	8/8V19.0–M**	221	A2	3.94	2.28
20.0	**D8-8V200**	8/8V20.0–M**	217	A2	3.94	2.28
21.2	**D8-8V212**	8/8V21.2–M**	239	A2	3.94	2.28
22.4	**D8-8V224**	8/8V22.4–M**	260	A3	3.94	2.28
24.8	**D8-8V248**	8/8V24.8–N**	417	A3	2.25	0.19
30.0	**D8-8V300**	8/8V30.0–N**	352	A3	2.25	0.19
35.5	**D8-8V355**	8/8V35.5–N**	575	A3	2.25	0.19
40.0	**D8-8V400**	8/8V40.0–N**	496	A3	2.25	0.19
44.5	**D8-8V445**	8/8V44.5–P**	783	B3	2.63	0.25
53.0	**D8-8V530**	8/8V53.0–P**	760	B3	2.63	0.25
63.0	**D8-8V630**	8/8V63.0–P**	1116	B3	2.63	0.25
71.0	**D8-8V710**	8/8V71.0–W**	1632	C3	2.63	0

P.D. for "8V" Belts = O.D.

** M-N-P-W are standard mounting only for these parts

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

DODGE

8V QD SHEAVES - Standard Duty

10-Groove						F = 11.63
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	**D10-8V125**	10/8V12.5-J	148	A1	3.56	2.16
13.2	**D10-8V132**	10/8V13.2-J	148	A1	3.56	2.16
14.0	**D10-8V140**	10/8V14.0-J	160	A1	3.56	2.16
15.0	**D10-8V150**	10/8V15.0-M**	259	A1	3.94	2.28
16.0	**D10-8V160**	10/8V16.0-M**	296	A1	3.94	2.28
17.0	**D10-8V170**	10/8V17.0-M**	269	A2	3.94	2.28
18.0	**D10-8V180**	10/8V18.0-M**	282	A2	3.94	2.28
19.0	**D10-8V190**	10/8V19.0-M**	300	A2	3.94	2.28
20.0	**D10-8V200**	10/8V20.0-M**	318	A2	3.94	2.28
21.2	**D10-8V212**	10/8V21.2-M**	340	A2	3.94	2.28
22.4	**D10-8V224**	10/8V22.4-N**	410	A3	2.25	0.19
24.8	**D10-8V248**	10/8V24.8-N**	463	A3	2.25	0.19
30.0	**D10-8V300**	10/8V30.0--N**	557	A3	2.25	0.19
35.5	**D10-8V355**	10/8V35.5-P**	706	A3	2.63	0.25
40.0	**D10-8V400**	10/8V40.0-P**	817	A3	2.63	0.25
44.5	**D10-8V445**	10/8V44.5-P**	854	A3	2.63	0.25
53.0	**D10-8V530**	10/8V53.0-P**	1198	A3	2.63	0.25
58.0	**D10-8V580**	10/8V58.0-W**	1300	B3	3.00	0.38
63.0	**D10-8V630**	10/8V63.0-W**	1412	B3	3.00	0.38
71.0	**D10-8V710**	10/8V71.0-W**	1771	B3	3.00	0.38

12-Groove						F = 13.88
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	**D12-8V125**	12/8V12.5-M**	197	A1	3.94	2.28
13.2	**D12-8V132**	12/8V13.2-M**	219	A1	3.94	2.28
14.0	**D12-8V140**	12/8V14.0-M**	245	A1	3.94	2.28
15.0	**D12-8V150**	12/8V15.0-M**	280	A1	3.94	2.28
16.0	**D12-8V160**	12/8V16.0-M**	319	A1	3.94	2.28
17.0	**D12-8V170**	12/8V17.0-M**	321	A1	3.94	2.28
18.0	**D12-8V180**	12/8V18.0-M**	337	A1	3.94	2.28
19.0	**D12-8V190**	12/8V19.0-N**	380	A1	2.25	0.19
20.0	**D12-8V200**	12/8V20.0-N**	402	A2	2.25	0.19
21.2	**D12-8V212**	12/8V21.2-N**	420	A2	2.25	0.19
22.4	**D12-8V224**	12/8V22.4-N**	458	A3	2.25	0.19
24.8	**D12-8V248**	12/8V24.8--N**	516	A3	2.25	0.19
30.0	**D12-8V300**	12/8V30.0-P**	671	A3	2.63	0.25
35.5	**D12-8V355**	12/8V35.5-P**	798	A3	2.63	0.25
40.0	**D12-8V400**	12/8V40.0-P**	909	A3	2.63	0.25
44.5	**D12-8V445**	12/8V44.5-P**	982	A3	2.63	0.25
53.0	**D12-8V530**	12/8V53.0-W**	1456	A3	3.25	0.63
58.0	**D12-8V580**	12/8V58.0-W**	1500	A3	3.25	0.63
63.0	**D12-8V630**	12/8V63.0-W**	1540	A3	3.25	0.63
71.0	**D12-8V710**	12/8V71.0-W**	1912	A3	3.25	0.63

P.D. for "8V" Belts = O.D.

** M-N-P-W are standard mounting only for these parts

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

SELECTION/DIMENSIONS

A/B QD SHEAVES - Standard Duty

1-Groove — **F = .88 A3.0 thru A6.4 B6.8** — **Balance F = 1**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# 3.75	**D1B34**	1A3.0B3.4-SH	1	E1	0.13	0.63
3.95	**D1B36**	1A3.2B3.6-SH	1	D1	0.13	0.50
4.15	**D1B38**	1A3.4B3.8-SH	2	D1	0.13	0.50
4.35	**D1B40**	1A3.6B4.0-SH	2	D1	0.13	0.50
4.55	**D1B42**	1A3.8B4.2-SH	2	D1	0.13	0.50
4.75	**D1B44**	1A4.0B4.4-SH	2	D1	0.13	0.50
4.95	**D1B46**	1A4.2B4.6-SDS	2	C1	0.25	0.44
5.15	**D1B48**	1A4.4B4.8-SDS	3	C1	0.25	0.44
5.35	**D1B50**	1A4.6B5.0-SDS	3	C1	0.25	0.44
5.55	**D1B52**	1A4.8B5.2-SDS	3	C1	0.25	0.44
5.75	**D1B54**	1A5.0B5.4-SDS	4	C1	0.25	0.44
5.95	**D1B56**	1A5.2B5.6-SDS	4	C1	0.25	0.44
6.15	**D1B58**	1A5.4B5.8-SDS	4	C1	0.25	0.44
6.35	**D1B60**	1A5.6B6.0-SDS	5	C1	0.25	0.44
6.55	**D1B62**	1A5.8B6.2-SDS	5	C1	0.25	0.44
6.75	**D1B64**	1A6.0B6.4-SDS	6	C1	0.25	0.44
6.95	**D1B66**	1A6.2B6.6-SDS	6	C1	0.25	0.44
7.15	**D1B68**	1A6.4B6.8-SDS	6	C1	0.25	0.44
7.35	**D1B70**	1A6.6B7.0-SDS	6	D3	0.13	0.56
7.75	**D1B74**	1A7.0B7.4-SDS	6	D3	0.13	0.56
8.35	**D1B80**	1A7.6B8.0-SDS	7	D3	0.13	0.56
8.95	**D1B86**	1A8.2B8.6-SDS	8	D3	0.13	0.56
9.35	**D1B90**	1A8.6B9.0-SDS	9	D3	0.13	0.56
9.75	**D1B94**	1A9.0B9.4-SDS	9	D3	0.13	0.56
11.35	**D1B110**	1A10.6B11.0-SDS	11	D3	0.13	0.56
12.75	**D1B124**	1A12.0B12.4-SDS	12	D3	0.13	0.56
13.95	**D1B136**	1A13.2B13.6-SDS	13	D3	0.13	0.56
15.75	**D1B154**	1A15.0B15.4-SK	20	C3	0.11	0.69
16.35	**D1B160**	1A15.6B16.0--SK	22	C3	0.09	0.88
18.75	**D1B184**	1A18.0B18.4-SK	28	E3	0.12	0.94
20.35	**D1B200**	1B20.0--SK	30	C3	0.00	0.81
25.35	**D1B250**	1B25.0--SK	40	E3	0.12	0.94

P.D. for "A" (4L) Belts = Datum Dia. + 0.35" = O.D. - 0.40

P.D. for "B" (5L) Belts = O.D.

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

2-Groove — **F = 1.75**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# 3.75	**D2B34**	2A3.0B3.4-SH	2	E1	0.00	0.63
## 3.95	**D2B36**	2A3.2B3.6-SH	3	D1	0.16	0.47
## 4.15	**D2B38**	2A3.4B3.8-SH	3	D1	0.16	0.47
## 4.35	**D2B40**	2A3.6B4.0-SH	3	D1	0.16	0.47
4.55	**D2B42**	2A3.8B4.2-SH	3	A1	0.69	0.06
4.75	**D2B44**	2A4.0B4.4-SH	4	A1	0.69	0.06
4.95	**D2B46**	2A4.2B4.6-SDS	4	D1	0.69	0.00
5.15	**D2B48**	2A4.4B4.8-SDS	4	D1	0.69	0.00
5.35	**D2B50**	2A4.6B5.0-SDS	5	D1	0.69	0.00
5.55	**D2B52**	2A4.8B5.2-SDS	5	D1	0.69	0.00
5.75	**D2B54**	2A5.0B5.4-SDS	6	D1	0.69	0.00
5.95	**D2B56**	2A5.2B5.6-SDS	6	D1	0.69	0.00
6.15	**D2B58**	2A5.4B5.8-SDS	6	D2	0.69	0.00
6.35	**D2B60**	2A5.6B6.0-SDS	6	D2	0.69	0.00
6.55	**D2B62**	2A5.8B6.2-SDS	7	D2	0.69	0.00
6.75	**D2B64**	2A6.0B6.4-SDS	7	D2	0.69	0.00
6.95	**D2B66**	2A6.2B6.6-SDS	8	D2	0.69	0.00
7.15	**D2B68**	2A6.4B6.8-SDS	8	D2	0.69	0.00
7.35	**D2B70**	2A6.6B7.0-SK	9	D2	0.44	0.38
7.75	**D2B74**	2A7.0B7.4-SK	10	D2	0.44	0.38
8.35	**D2B80**	2A7.6B8.0-SK	11	D2	0.44	0.38
8.95	**D2B86**	2A8.2B8.6-SK	12	D3	0.44	0.38
9.35	**D2B90**	2A8.2B8.6-SK	12	D3	0.44	0.38
9.75	**D2B94**	2A9.0B9.4-SK	13	D3	0.44	0.38
11.35	**D2B110**	2A10.6B11.0-SK	15	D3	0.44	0.38
12.75	**D2B124**	2A12.0B12.4-SK	18	D3	0.25	0.56
13.95	**D2B136**	2A13.2B13.6-SK	24	D3	0.44	0.38
15.75	**D2B154**	2A15.0B15.4-SK	25	D3	0.44	0.38
16.35	**D2B160**	2A15.6B16.0-SK	27.4	D3	0.44	0.38
18.75	**D2B184**	2A18.0B18.4-SK	38	D3	0.44	0.38
20.35	**D2B200**	2B20.0--SF	47	D3	0.13	0.69
25.35	**D2B250**	2B25.0-SF	60	D3	0.44	0.38
30.35	**D2B300**	2B30.0--SF	75	D3	0.38	0.44
38.35	**D2B380**	2B38.0--SF	100	D3	0.47	0.34

Reverse Mount Only

This sheave can only be reverse mounted with standard bushing bolts. Special bolts required for conventional mounting.

DODGE

A/B QD SHEAVES - Standard Duty

3-Groove						F = 2.50
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# 3.75	**D3B34**	3A3.0B3.4-SH	3	E1	0.00	0.63
# 3.95	**D3B36**	3A3.2B3.6-SH	4	D1	0.13	0.50
# 4.15	**D3B38**	3A3.4B3.8-SH	4	D1	0.13	0.50
# 4.35	**D3B40**	3A3.6B4.0-SH	4	E1	0.00	0.63
4.55	**D3B42**	3A3.8B4.2-SH	4	A1	1.06	0.44
4.75	**D3B44**	3A4.0B4.4-SH	5	A1	1.06	0.44
4.95	**D3B46**	3A4.2B4.6-SD	5	A1	1.06	0.38
5.15	**D3B48**	3A4.4B4.8-SD	6	A1	1.06	0.38
5.35	**D3B50**	3A4.6B5.0-SD	7	A1	1.06	0.38
5.55	**D3B52**	3A4.8B5.2-SD	7	A1	1.06	0.38
5.75	**D3B54**	3A5.0B5.4-SD	8	A1	1.06	0.38
5.95	**D3B56**	3A5.2B5.6-SD	9	A1	1.06	0.38
6.15	**D3B58**	3A5.4B5.8-SD	9	A2	1.06	0.38
6.35	**D3B60**	3A5.6B6.0-SD	10	A2	1.06	0.38
6.55	**D3B62**	3A5.8B6.2-SD	10	A2	1.06	0.38
6.75	**D3B64**	3A6.0B6.4-SD	10	A2	1.06	0.38
6.95	**D3B66**	3A6.2B6.6-SD	10	A2	1.06	0.38
7.15	**D3B68**	3A6.4B6.8-SD	11	A2	1.06	0.38
7.35	**D3B70**	3A6.6B7.0-SK	12	D2	0.69	0.13
7.75	**D3B74**	3A7.0B7.4-SK	12	D2	0.69	0.13
8.35	**D3B80**	3A7.6B8.0-SK	13	D2	0.69	0.13
8.95	**D3B86**	3A8.2B8.6-SK	14	D3	0.69	0.13
9.35	**D3B90**	3A8.6B9.0-SK	15	D3	0.69	0.13
9.75	**D3B94**	3A9.0B9.4-SK	17	D3	0.69	0.13
11.35	**D3B110**	3A10.6B11.0-SK	21	D3	0.69	0.13
12.75	**D3B124**	3A12.0B12.4-SK	25	D3	0.69	0.13
13.95	**D3B136**	3A13.2B13.6-SK	28	D3	0.69	0.13
15.75	**D3B154**	3A15.0B15.4-SK	30	D3	0.69	0.13
16.35	**D3B160**	3A15.6B16.0-SK	32	D3	0.69	0.13
18.75	**D3B184**	3A18.0B18.4-SK	41	D3	0.69	0.13
20.35	**D3B200**	3B20.0-SF	55.6	D3	0.63	0.19
25.35	**D3B250**	3B25.0--SF	76.1	D3	0.63	0.19
30.35	**D3B300**	3B30.0--SF	96	D3	0.63	0.19
38.35	**D3B380**	3B38.0-E	145	D3	0.69	0.38

4-Groove						F = 3.25
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# 3.75	**D4B34**	4A3.0B3.4-SD	4	E1	0.00	1.00
# 3.95	**D4B36**	4A3.2B3.6-SD	5	E1	0.00	1.00
# 4.15	**D4B38**	4A3.4B3.8-SD	6	E1	0.00	1.00
# 4.35	**D4B40**	4A3.6B4.0-SD	5	E1	0.00	0.69
# 4.55	**D4B42**	4A3.8B4.2-SD	6	E1	0.00	0.69
4.75	**D4B44**	4A4.0B4.4-SD	6	E1	0.00	0.69
4.95	**D4B46**	4A4.2B4.6-SD	7	A1	1.31	0.63
5.15	**D4B48**	4A4.4B4.8-SD	8	A1	1.31	0.63
5.35	**D4B50**	4A4.6B5.0-SD	8	A1	1.31	0.63
5.55	**D4B52**	4A4.8B5.2-SD	9	A1	1.31	0.63
5.75	**D4B54**	4A5.0B5.4-SD	10	A1	1.31	0.63
5.95	**D4B56**	4A5.2B5.6-SD	10	A1	1.31	0.63
6.15	**D4B58**	4A5.4B5.8-SD	11	A2	1.31	0.63
6.35	**D4B60**	4A5.6B6.0-SD	11	A2	1.31	0.63
6.55	**D4B62**	4A5.8B6.2-SD	12	A2	1.31	0.63
6.75	**D4B64**	4A6.0B6.4-SD	11	A2	1.31	0.63
6.95	**D4B66**	4A6.2B6.6-SD	11	A2	1.31	0.63
7.15	**D4B68**	4A6.4B6.8-SD	12	A2	1.31	0.63
7.35	**D4B70**	4A6.6B7.0-SK	13	A2	1.00	0.19
7.75	**D4B74**	4A7.0B7.4-SK	15	A2	1.00	0.19
8.35	**D4B80**	4A7.6B8.0-SK	15	A2	1.00	0.19
8.95	**D4B86**	4A8.2B8.6-SK	17	A3	1.00	0.19
9.35	**D4B90**	4A8.6B9.0-SK	17	A3	1.00	0.19
9.75	**D4B94**	4A9.0B9.4-SK	19	A3	1.00	0.19
11.35	**D4B110**	4A10.6B11.0-SK	25	A3	1.00	0.19
12.75	**D4B124**	4A12.0B12.4-SK	28	A3	1.00	0.19
13.95	**D4B136**	4A13.2B13.6-SK	32	A3	1.00	0.19
15.75	**D4B154**	4A15.0B15.4-SF	38	A3	1.00	0.19
16.35	**D4B160**	4A15.6B16.0-SF	41	A3	1.00	0.19
18.75	**D4B184**	4A18.0B18.4-SF	48	A3	1.00	0.19
20.35	**D4B200**	4B20.0-SF	60	A3	1.00	0.19
25.35	**D4B250**	4B25.0-E	93	D3	1.00	0.06
30.35	**D4B300**	4B30.0--E	120	D3	1.00	0.06
38.35	**D4B380**	4B38.0--E	162	D3	1.00	0.00

P.D. for "A" (4L) Belts = Datum Dia. + 0.35" = O.D. - 0.40

P.D. for "B" (5L) Belts = O.D.

Reverse Mount Only

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

SELECTION/DIMENSIONS

A/B QD SHEAVES - Standard Duty

5-Groove						F = 4.00
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# 3.75	**D5B34**	5A3.0B3.4-SD	5	E1	0.00	1.00
# 3.95	**D5B36**	5A3.2B3.6-SD	6	E1	0.00	1.00
# 4.15	**D5B38**	5A3.4B3.8-SD	6	E1	0.00	1.00
# 4.35	**D5B40**	5A3.6B4.0-SD	6	E1	0.00	0.69
# 4.55	**D5B42**	5A3.8B4.2-SD	7	E1	0.00	0.69
# 4.75	**D5B44**	5A4.0B4.4-SD	7	E1	0.00	0.69
4.95	**D5B46**	5A4.2B4.6-SD	7	A1	1.31	0.63
5.15	**D5B48**	5A4.4B4.8-SD	9	A1	1.31	0.63
5.35	**D5B50**	5A4.6B5.0-SD	10	A1	1.31	0.63
5.55	**D5B52**	5A4.8B5.2-SD	10	A1	1.31	0.63
5.75	**D5B54**	5A5.0B5.4-SK	10	A1	1.31	0.50
5.95	**D5B56**	5A5.2B5.6-SK	11	A1	1.31	0.50
6.15	**D5B58**	5A5.4B5.8-SK	12	A1	1.31	0.50
6.35	**D5B60**	5A5.6B6.0-SK	12	A1	1.31	0.50
6.55	**D5B62**	5A5.8B6.2-SK	14	A1	1.31	0.50
6.75	**D5B64**	5A6.0B6.4-SK	14	A1	1.31	0.50
6.95	**D5B66**	5A6.2B6.6-SK	15	A1	1.31	0.50
7.15	**D5B68**	5A6.4B6.8-SK	16	A1	1.31	0.50
7.35	**D5B70**	5A6.6B7.0-SF	16	A1	1.31	0.50
7.75	**D5B74**	5A7.0B7.4-SF	18	A1	1.31	0.50
8.35	**D5B80**	5A7.6B8.0-SF	19	A2	1.31	0.50
8.95	**D5B86**	5A8.2B8.6-SF	21	A2	1.31	0.50
9.35	**D5B90**	5A8.6B9.0-SF	21	A3	1.31	0.50
9.75	**D5B94**	5A9.0B9.4-SF	22	A3	1.31	0.50
11.35	**D5B110**	5A10.6B11.0-SF	29	A3	1.31	0.50
12.75	**D5B124**	5A12.0B12.4-SF	33	A3	1.31	0.50
13.95	**D5B136**	5A13.2B13.6-SF	39	A3	1.31	0.50
15.75	**D5B154**	5A15.0B15.4-SF	43	A3	1.31	0.50
16.35	**D5B160**	5A15.6B16.0-SF	46	A3	1.31	0.50
18.75	**D5B184**	5A18.0B18.4-SF	54	A3	1.31	0.50
20.35	**D5B200**	5B20.0-E	77.5	A3	1.25	0.19
25.35	**D5B250**	5B25.0-E	108	A3	1.25	0.19
30.35	**D5B300**	5B30.0-E	131	A3	1.25	0.19
38.35	**D5B380**	5B38.0-E	169	A3	1.25	0.19

6-Groove						F = 4.75
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
# 3.75	**D6B34**	6A3.0B3.4-SD	6	E1	0.00	1.09
# 3.95	**D6B36**	6A3.2B3.6-SD	7	E1	0.00	1.09
# 4.15	**D6B38**	6A3.4B3.8-SD	7	E1	0.00	1.09
# 4.35	**D6B40**	6A3.6B4.0-SD	7	E1	0.00	0.69
# 4.55	**D6B42**	6A3.8B4.2-SD	8	E1	0.00	0.69
# 4.75	**D6B44**	6A4.0B4.4-SD	9	E1	0.00	0.69
4.95	**D6B46**	6A4.2B4.6-SD	9	A1	1.31	0.63
5.15	**D6B48**	6A4.4B4.8-SD	10	A1	1.31	0.63
5.35	**D6B50**	6A4.6B5.0-SD	11	A1	1.31	0.63
5.55	**D6B52**	6A4.8B5.2-SD	11	A1	1.31	0.63
5.75	**D6B54**	6A5.0B5.4-SK	11	A1	1.31	0.50
5.95	**D6B56**	6A5.2B5.6-SK	13.4	A1	1.31	0.50
6.15	**D6B58**	6A5.4B5.8-SK	15.5	A1	1.31	0.50
6.35	**D6B60**	6A5.6B6.0-SK	15	A1	1.31	0.50
6.55	**D6B62**	6A5.8B6.2-SK	15	A1	1.31	0.50
6.75	**D6B64**	6A6.0B6.4-SK	16	A1	1.31	0.50
6.95	**D6B66**	6A6.2B6.6-SK	17	A1	1.31	0.50
7.15	**D6B68**	6A6.4B6.8-SK	18	A1	1.31	0.50
7.35	**D6B70**	6A6.6B7.0-SF	19	A1	1.69	0.88
7.75	**D6B74**	6A7.0B7.4-SF	20	A1	1.69	0.88
8.35	**D6B80**	6A7.6B8.0-SF	24	A2	1.69	0.88
8.95	**D6B86**	6A8.2B8.6-SF	26	A2	1.69	0.88
9.75	**D6B94**	6A9.0B9.4-SF	30	A2	1.69	0.88
11.35	**D6B110**	6A10.6B11.0-SF	30	A3	1.69	0.88
12.75	**D6B124**	6A12.0B12.4-SF	37	A3	1.67	0.88
13.95	**D6B136**	6A13.2B13.6-SF	39	A3	1.91	1.09
15.75	**D6B154**	6A15.0B15.4--SF	51.4	A3	1.91	1.09
16.35	**D6B160**	6A15.6B16.0--SF	54.6	A3	1.69	0.88
18.75	**D6B184**	6A18.0B18.4--SF	59	A3	1.91	1.09
20.35	**D6B200**	6B20.0-E	96.9	A3	1.25	0.19
25.35	**D6B250**	6B25.0-E	120	A3	1.38	0.31
30.35	**D6B300**	6B30.0--E	151	A3	1.38	0.31
38.35	**D6B380**	6B38.0--E	157	A3	1.38	0.31

P.D. for "A" (4L) Belts = Datum Dia. + 0.35" = O.D. - 0.40

P.D. for "B" (5L) Belts = O.D.

Reverse Mount Only

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

DODGE

A/B QD SHEAVES - Standard Duty

8-Groove						F = 6.25
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
5.75	**D8B54**	8B5.4-SK	15	A1	1.81	1.00
5.95	**D8B56**	8B5.6-SK	17	A1	1.81	1.00
6.15	**D8B58**	8B5.8-SK	16	A1	1.81	1.00
6.35	**D8B60**	8B6.0-SF	16	A1	1.81	1.00
6.55	**D8B62**	8B6.2-SF	18	A1	1.81	1.00
6.75	**D8B64**	8B6.4-SF	19	A1	1.81	1.00
6.95	**D8B66**	8B6.6-SF	20	A1	1.81	1.00
7.15	**D8B68**	8B6.8-SF	21	A1	1.81	1.00
7.35	**D8B70**	8B7.0-SF	22	A1	1.81	1.00
7.75	**D8B74**	8B7.4-SF	25	A1	1.81	1.00
8.35	**D8B80**	8B8.0-E	29	A1	2.38	1.31
8.95	**D8B86**	8B8.6-E	33	A1	2.38	1.31
9.75	**D8B94**	8B9.4-E	36	A1	2.38	1.31
11.35	**D8B110**	8B11.0-E	46	A1	2.38	1.31
12.75	**D8B124**	8B12.4-E	53	A2	2.38	1.31
13.95	**D8B136**	8B13.6-E	59	A3	2.44	1.38
15.75	**D8B154**	8B15.4-E	69	A3	2.44	1.38
16.35	**D8B160**	8B16.0-E	71	A3	#N/A!	1.31
18.75	**D8B184**	8B18.4--F	108	A3	1.31	0.09
20.35	**D8B200**	8B20.0--F	114	A3	1.31	0.09
25.35	**D8B250**	8B25.0- F	152	A3	1.31	0.09
30.35	**D8B300**	8B30.0--F	186	A3	1.31	0.09
38.35	**D8B380**	8B38.0-F	220	A3	1.31	0.09

10-Groove						F = 7.75
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
5.75	**D10B54**	10B5.4-SK	16	A1	2.56	1.75
5.95	**D10B56**	10B5.6-SK	17	A1	2.56	1.75
6.15	**D10B58**	10B5.8-SK	18	A1	2.56	1.75
6.35	**D10B60**	10B6.0-SF	19	A1	2.56	1.75
6.55	**D10B62**	10B6.2-SF	20	A1	2.56	1.75
6.75	**D10B64**	10B6.4-SF	21	A1	2.56	1.75
6.95	**D10B66**	10B6.6-SF	21	A1	2.56	1.75
7.15	**D10B68**	10B6.8-SF	22	A1	2.56	1.75
7.35	**D10B70**	10B7.0-SF	23	A1	2.56	1.75
7.75	**D10B74**	10B7.4-SF	24	A1	2.56	1.75
-	**-**	-	-	-	-	-
8.95	**D10B86**	10B8.6-E	39.6	A1	3.13	2.06
9.75	**D10B94**	10B9.4-E	40	A1	3.13	2.06
11.35	**D10B110**	10B11.0-E	52	A1	3.13	2.06
12.75	**D10B124**	10B12.4-E	58	A2	3.13	2.06
13.95	**D10B136**	10B13.6-F	73	A3	2.06	0.84
15.75	**D10B154**	10B15.4-F	87	A3	2.06	0.84
16.35	**D10B160**	10B16.0-F	100	A3	2.06	0.84
18.75	**D10B184**	10B18.4--F	110	A3	2.06	0.84
20.35	**D10B200**	10B20.0--F	120	A3	2.06	0.84
25.35	**D10B250**	10B25.0--F	148	A3	2.06	0.84
30.35	**D10B300**	10B30.0--F	190	A3	2.06	0.84
38.35	**D10B380**	10B38.0-J	260	A3	1.63	0.22

P.D. for "A" (4L) Belts = Datum Dia. + 0.35" = O.D. - 0.40

P.D. for "B" (5L) Belts = O.D.

Reverse Mount Only

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

SELECTION/DIMENSIONS

C QD SHEAVES - Standard Duty

1-Groove — **F = 1.38**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
7.4	**D1C70**	1C7.0-SF	10	C1	0.25	0.56
7.9	**D1C75**	1C7.5-SF	11	C1	0.25	0.56
8.4	**D1C80**	1C8.0-SF	13.2	C1	0.25	0.56
8.9	**D1C85**	1C8.5-SF	15.6	C1	0.25	0.56
9.4	**D1C90**	1C9.0-SF	13	C2	0.22	0.59
9.9	**D1C95**	1C9.5-SF	18	C2	0.22	0.59
10.4	**D1C100**	1C10.0-SF	14	D2	0.13	0.69
10.9	**D1C105**	1C10.5-SF	20	D2	0.13	0.69
11.4	**D1C110**	1C11.0-SF	15	C2	0.13	0.53
12.4	**D1C120**	1C12.0-SF	16	D2	0.13	0.69
13.4	**D1C130**	1C13.0-SF	18	D3	0.13	0.69
14.4	**D1C140**	1C14.0-SF	20	D3	0.13	0.69
16.4	**D1C160**	1C16.0-SF	24	D3	0.13	0.69
18.4	**D1C180**	1C18.0-SF	32	D3	0.13	0.69
20.4	**D1C200**	1C20.0--SF	35	D3	0.13	0.69
24.4	**D1C240**	1C24.0--SF	46.9	D3	0.13	0.69

2-Groove — **F = 2.38**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
7.4	**D2C70**	2C7.0-SF	13	A1	0.81	0.00
7.9	**D2C75**	2C7.5-SF	15	A1	0.81	0.00
8.4	**D2C80**	2C8.0-SF	17	A1	0.81	0.00
8.9	**D2C85**	2C8.5-SF	19	A1	0.81	0.00
9.4	**D2C90**	2C9.0-SF	21	A2	0.81	0.00
9.9	**D2C95**	2C9.5-SF	22	A2	0.81	0.00
10.4	**D2C100**	2C10.0-SF	21.8	A2	0.81	0.00
10.9	**D2C105**	2C10.5-SF	23	A2	0.81	0.00
11.4	**D2C110**	2C11.0-SF	26	A2	0.81	0.00
12.4	**D2C120**	2C12.0-SF	37	D2	0.56	0.25
13.4	**D2C130**	2C13.0-SF	35	D3	0.56	0.25
14.4	**D2C140**	2C14.0-SF	40	D3	0.56	0.25
16.4	**D2C160**	2C16.0-SF	40	D3	0.56	0.25
18.4	**D2C180**	2C18.0-SF	50	D3	0.56	0.25
20.4	**D2C200**	2C20.0--SF	55	D3	0.56	0.25
24.4	**D2C240**	2C24.0--SF	73.1	D3	0.56	0.25
27.4	**D2C270**	2C27.0--F	94	C3	#N/A!	0.91
30.4	**D2C300**	2C30.0--F	104	C3	#N/A!	0.91

3-Groove — **F = 3.38**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
+ 5.4	**D3C50**	3C5.0-SD	9	A1	1.00	0.31
# + 5.4	**D3C50SK**	3C5.0-SK	10.5	E1	#N/A!	0.83
+ 6.0	**D3C56**	3C5.6-SF	10	A1	0.00	0.63
+ 6.4	**D3C60**	3C6.0-SF	11.3	A1	0.75	0.06
7.4	**D3C70**	3C7.0-SF	16	A1	1.31	0.50
7.9	**D3C75**	3C7.5-SF	18	A1	1.31	0.50
8.4	**D3C80**	3C8.0-E	21	A1	1.75	0.69
8.9	**D3C85**	3C8.5-E	24	A1	1.75	0.69
9.4	**D3C90**	3C9.0-E	26	A1	1.75	0.69
9.9	**D3C95**	3C9.5-E	29.8	A2	1.75	0.69
10.4	**D3C100**	3C10.0-E	34	A2	1.75	0.69
10.9	**D3C105**	3C10.5-E	37	A2	1.75	0.69
11.4	**D3C110**	3C11.0-E	39	A2	1.75	0.69
12.4	**D3C120**	3C12.0-E	43.4	A2	1.75	0.69
13.4	**D3C130**	3C13.0-E	45	A3	1.75	0.69
14.4	**D3C140**	3C14.0-E	50	A3	1.75	0.69
16.4	**D3C160**	3C16.0-E	60	A3	1.75	0.69
18.4	**D3C180**	3C18.0-E	63	A3	1.75	0.69
20.4	**D3C200**	3C20.0--E	81	D3	1.00	0.06
24.4	**D3C240**	3C24.0-E	94.7	D3	1.00	0.06
27.4	**D3C270**	3C27.0--F	116	D3	0.81	0.41
30.4	**D3C300**	3C30.0--F	134.4	D3	0.81	0.41
36.4	**D3C360**	3C36.0--F	159	D3	0.81	0.41
44.4	**D3C440**	3C44.0-F	190	D3	0.81	0.41
50.4	**D3C500**	3C50.0--F	250	D3	0.81	0.41

4-Groove — **F = 4.38**

O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
+ 5.4	**D4C50**	4C5.0-SD	10.2	A1	1.31	0.63
# + 5.4	**D4C50SK**	4C5.0-SK	12.0	E1	#N/A!	0.81
+ 6.0	**D4C56**	4C5.6-SF	13.0	A1	0.00	0.88
+ 6.4	**D4C60**	4C6.0-SF	15.0	A1	0.88	0.06
7.4	**D4C70**	4C7.0-SF	19.0	A1	1.56	0.75
7.9	**D4C75**	4C7.5-SF	22.0	A1	1.56	0.75
8.4	**D4C80**	4C8.0-E	24.0	A1	2.00	0.94
8.9	**D4C85**	4C8.5-E	28.0	A1	2.00	0.94
9.4	**D4C90**	4C9.0-E	31.0	A1	2.00	0.94
9.9	**D4C95**	4C9.5-E	34.8	A1	2.00	0.94
10.4	**D4C100**	4C10.0-E	40.0	A1	2.00	0.94
10.9	**D4C105**	4C10.5-E	43.0	A2	2.00	0.94
11.4	**D4C110**	4C11.0-E	44.0	A2	2.00	0.94
12.4	**D4C120**	4C12.0-E	50.0	A2	2.00	0.94
13.4	**D4C130**	4C13.0-E	52.0	A3	2.00	0.94
14.4	**D4C140**	4C14.0-E	57.0	A3	2.00	0.94
16.4	**D4C160**	4C16.0--E	67.0	A3	2.00	0.94
18.4	**D4C180**	4C18.0-E	72.0	A3	2.00	0.94
20.4	**D4C200**	4C20.0--E	86.0	A3	1.50	0.44
24.4	**D4C240**	4C24.0-F	113.0	A3	1.31	0.09
27.4	**D4C270**	4C27.0--F	140.0	A3	1.31	0.09
30.4	**D4C300**	4C30.0--F	149.0	A3	1.31	0.09
36.4	**D4C360**	4C36.0--F	185.0	A3	1.38	0.16
44.4	**D4C440**	4C44.0-J	225.0	B3	1.63	0.22
50.4	**D4C500**	4C50.0-J	275.0	B3	1.63	0.22

P.D. for "C" Belts = O.D.

Reverse Mount Only

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

+ Recommended CX Belt only

DODGE

C QD SHEAVES - Standard Duty

5-Groove						F = 5.38
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
+ 6.4	**D5C60**	5C6.0-SF	16	A1	0.88	0.06
7.4	**D5C70**	5C7.0-SF	23	A1	1.94	1.13
7.9	**D5C75**	5C7.5-SF	25	A1	1.94	1.13
8.4	**D5C80**	5C8.0-E	28	A1	2.38	1.31
8.9	**D5C85**	5C8.5-E	32	A1	2.38	1.31
9.4	**D5C90**	5C9.0-E	36	A1	2.38	1.31
9.9	**D5C95**	5C9.5-E	40	A1	2.38	1.31
10.4	**D5C100**	5C10.0-E	41	A2	2.38	1.31
10.9	**D5C105**	5C10.5-E	44	A2	2.38	1.31
11.4	**D5C110**	5C11.0-E	47	A2	2.38	1.31
12.4	**D5C120**	5C12.0-E	55	A2	2.38	1.31
13.4	**D5C130**	5C13.0-E	55	A3	2.38	1.31
14.4	**D5C140**	5C14.0-E	62	A3	2.38	1.31
16.4	**D5C160**	5C16.0--E	73	A3	2.38	1.31
18.4	**D5C180**	5C18.0-E	83	A3	2.38	1.31
20.4	**D5C200**	5C20.0-F	109	A3	2.38	0.09
24.4	**D5C240**	5C24.0-F	129	A3	1.31	0.09
27.4	**D5C270**	5C27.0--F	149	A3	1.31	0.09
30.4	**D5C300**	5C30.0--F	172	A3	1.31	0.09
36.4	**D5C360**	5C36.0-J	205	A3	1.63	0.22
44.4	**D5C440**	5C44.0-J	285	A3	1.63	0.22
50.4	**D5C500**	5C50.0-J	325	A3	1.63	0.22

6-Groove						F = 6.38
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
+ 6.4	**D6C60**	6C6.0-SF	24	A1	1.88	1.06
7.4	**D6C70**	6C7.0-SF	26	A1	1.94	1.13
7.9	**D6C75**	6C7.5-SF	29	A1	1.94	1.13
8.4	**D6C80**	6C8.0-E	31	A1	2.38	1.31
8.9	**D6C85**	6C8.5-E	35	A1	2.38	1.31
9.4	**D6C90**	6C9.0-F	44	A1	2.44	1.22
9.9	**D6C95**	6C9.5-F	49	A1	2.44	1.22
10.4	**D6C100**	6C10.0-F	56	A1	2.44	1.22
10.9	**D6C105**	6C10.5-F	56	A1	2.44	1.22
11.4	**D6C110**	6C11.0-F	59	A2	2.44	1.22
12.4	**D6C120**	6C12.0-F	66	A2	2.44	1.22
13.4	**D6C130**	6C13.0-F	66	A3	2.44	1.22
14.4	**D6C140**	6C14.0-F	75	A3	2.44	1.22
16.4	**D6C160**	6C16.0--F	86	A3	2.44	1.22
18.4	**D6C180**	6C18.0--F	100	A3	2.44	1.22
20.4	**D6C200**	6C20.0--F	119	A3	1.94	0.72
24.4	**D6C240**	6C24.0--F	141	A3	1.94	0.72
27.4	**D6C270**	6C27.0--J	173	A3	#N/A!	0.16
30.4	**D6C300**	6C30.0--J	189	A3	1.56	0.16
36.4	**D6C360**	6C36.0-J	240	A3	1.63	0.22
44.4	**D6C440**	6C44.0-J	290	A3	1.63	0.22
50.4	**D6C500**	6C50.0-M**	430	B3	2.00	0.34

8-Groove						F = 8.38
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
7.4	**D8C70**	8C7.0-SF	34	A1	3.22	2.41
8.4	**D8C80**	8C8.0-E	38.7	A1	3.25	2.19
8.9	**D8C85**	8C8.5-E	44	A1	3.25	2.19
9.4	**D8C90**	8C9.0-F	52.7	A1	3.31	2.09
9.9	**D8C95**	8C9.5-F	56	A1	3.31	2.09
10.4	**D8C100**	8C10.0-F	62	A1	3.31	2.09
10.9	**D8C105**	8C10.5-F	72	A1	3.31	2.09
11.4	**D8C110**	8C11.0-F	80	A1	3.31	2.09
12.4	**D8C120**	8C12.0-F	94	A1	3.31	2.09
13.4	**D8C130**	8C13.0-F	97	A2	3.31	2.09
14.4	**D8C140**	8C14.0-F	96	A3	3.31	2.09
16.4	**D8C160**	8C16.00-F	111	A3	3.94	2.09
18.4	**D8C180**	8C18.0--F	129	A3	3.94	2.09
20.4	**D8C200**	8C20.0-J	158	A3	1.56	0.16
24.4	**D8C240**	8C24.0--J	173	A3	1.56	0.16
30.4	**D8C300**	8C30.0--J	272	A3	1.56	0.16
36.4	**D8C360**	8C36.0--M**	370	A3	1.94	0.28
44.4	**D8C440**	8C44.0-M**	479	A3	1.94	0.28
50.4	**D8C500**	8C50.0--M**	570	A3	1.94	0.28

10-Groove						F = 10.38
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
8.9	**D10C85**	10C8.5--E	52	A1	3.25	2.19
9.4	**D10C90**	10C9.0--J	54	A1	3.56	2.16
9.9	**D10C95**	10C9.5-J	67.4	A1	3.56	2.16
10.4	**D10C100**	10C10.0--J	77	A1	3.56	2.16
10.9	**D10C105**	10C10.5--J	85.7	A1	3.56	2.16
11.4	**D10C110**	10C11.0--J	93.5	A1	3.56	2.16
12.4	**D10C120**	10C12.0--J	111.8	A1	3.56	2.16
13.4	**D10C130**	10C13.0-J	105	A2	#N/A!	2.16
14.4	**D10C140**	10C14.0-J	114	A2	3.56	2.16
16.4	**D10C160**	10C16.0--J	140	A3	3.56	2.16
18.4	**D10C180**	10C18.0--J	160	A3	3.56	2.16
20.4	**D10C200**	10C20.0--J	165	A3	3.56	2.16
24.4	**D10C240**	10C24.0-M**	225	A3	1.94	0.28
30.4	**D10C300**	10C30.0-M**	275	A3	1.94	0.28
36.4	**D10C360**	10C36.0-M**	340	A3	1.94	0.28
44.40	**D10C440**	10C44.0--M**	460	A3	1.94	0.28
50.40	**D10C500**	10C50.0-M**	550	A3	1.94	0.28

12-Groove						F = 12.38
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
9.4	**D12C90**	12C9.0--J	68	A1	4.06	2.66
9.9	**D12C95**	12C9.5--J	75	A1	4.06	2.66
10.4	**D12C100**	12C10.0--J	86	A1	4.06	2.66
10.9	**D12C105**	12C10.5--J	96	A1	4.06	2.66
11.4	**D12C110**	12C11.0--J	104	A1	4.06	2.66
12.4	**D12C120**	12C12.0--J	118.7	A1	4.06	2.66
13.4	**D12C130**	12C13.0--J	138	A2	4.06	2.66
14.4	**D12C140**	12C14.0--J	153	A2	4.06	2.66
16.4	**D12C160**	12C16.0--J	175	A3	4.06	2.66
18.4	**D12C180**	12C18.0--J	198	A3	4.06	2.66
20.4	**D12C200**	12C20.0--M**	237	A3	1.94	0.28
24.4	**D12C240**	12C24.0--M**	277	A3	1.94	0.28
30.4	**D12C300**	12C30.0--M**	357	A3	1.94	0.28
36.4	**D12C360**	12C36.0-M**	430	A3	1.94	0.28
44.4	**D12C440**	12C44.0-M**	520	A3	1.94	0.28
50.4	**D12C500**	12C50.0-M**	595	A3	1.94	0.28

P.D. for "C" Belts = O.D.

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

+ Recommended CX Belt only

** M-N-P-W are standard mounting only for these parts

SELECTION/DIMENSIONS

DODGE

D QD SHEAVES - Standard Duty

3-Groove						F = 4.62
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**D3D120**	3D12.0-F	64	A2	1.50	0.28
13.6	**D3D130**	3D13.0-F	72	A2	1.50	0.28
14.1	**D3D135**	3D13.5--F	76	A2	1.50	0.28
14.6	**D3D140**	3D14.0--F	79	A2	1.50	0.28
15.1	**D3D145**	3D14.5-F	84	A2	1.50	0.28
15.6	**D3D150**	3D15.0-F	89	A2	1.50	0.28
16.1	**D3D155**	3D15.5-F	94	A2	1.50	0.28
16.6	**D3D160**	3D16.0--F	95	A3	1.50	0.28
18.6	**D3D180**	3D18.0--J	115	D3	1.19	0.22
22.6	**D3D220**	3D22.0--J	135	D3	1.19	0.22
27.6	**D3D270**	3D27.0--J	170	D3	1.19	0.22
33.6	**D3D330**	3D33.0--J	215	D3	1.19	0.22
40.6	**D3D400**	3D40.0--J	275	D3	1.19	0.22

4-Groove						F = 6.06
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**D4D120**	4D12.0--F	77	A2	2.31	1.09
13.6	**D4D130**	4D13.0--F	85	A2	2.31	1.09
14.1	**D4D135**	4D13.5-F	90	A2	2.31	1.09
14.6	**D4D140**	4D14.0--F	95	A2	2.31	1.09
15.1	**D4D145**	4D14.5-F	100	A2	2.31	1.09
15.6	**D4D150**	4D15.0--F	107	A2	2.31	1.09
16.1	**D4D155**	4D15.5--F	112	A2	2.31	1.09
16.6	**D4D160**	4D16.0-F	110	A3	2.31	1.09
17.6	**D4D170**	4D17.0-J	127	A3	2.56	1.16
18.6	**D4D180**	4D18.0-J	131	A3	2.56	1.16
20.6	**D4D200**	4D20.0-J	145	A3	2.56	1.16
22.6	**D4D220**	4D22.0--J	160	A3	1.56	0.16
27.6	**D4D270**	4D27.0--J	200	A3	1.56	0.16
33.6	**D4D330**	4D33.0-M**	285	B3	1.94	0.28
40.6	**D4D400**	4D40.0-M**	375	B3	1.94	0.28

5-Groove						F = 7.50
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**D5D120**	5D12.0-F	89	A2	3.06	1.84
13.6	**D5D130**	5D13.0-F	100	A2	3.06	1.84
14.1	**D5D135**	5D13.5--F	105	A2	3.06	1.84
14.6	**D5D140**	5D14.0-F	111	A2	3.06	1.84
15.1	**D5D145**	5D14.5-F	118	A2	3.06	1.84
15.6	**D5D150**	5D15.0-F	125	A2	3.06	1.84
16.1	**D5D155**	5D15.5-F	131	A2	3.06	1.84
16.6	**D5D160**	5D16.0-F	110	A3	3.06	1.84
17.6	**D5D170**	5D17.0-J	148	A3	1.56	1.91
18.6	**D5D180**	5D18.0-J	131	A3	1.56	1.91
20.6	**D5D200**	5D20.0-J	148	A3	1.56	0.16
22.6	**D5D220**	5D22.0-J	152	A3	0.16	0.16
27.6	**D5D270**	5D27.0-M**	250	A3	1.94	0.28
33.6	**D5D330**	5D33.0-M**	321	A3	1.94	0.28
40.6	**D5D400**	5D40.0--M**	424	A3	1.94	0.28
48.6	**D5D480**	5D48.0-M**	550	A3	1.94	0.28
58.6	**D5D580**	5D58.0--M**	600	A3	1.94	0.28

6-Groove						F = 8.94
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**D6D120**	6D12.0-J	116	A1	3.31	1.91
13.6	**D6D130**	6D13.0-J	137	A1	3.31	1.91
14.1	**D6D135**	6D13.5-J	147	A1	3.31	1.91
14.6	**D6D140**	6D14.0--J	158	A1	3.31	1.91
15.1	**D6D145**	6D14.5-J	170	A1	3.31	1.91
15.6	**D6D150**	6D15.0-J	147	A2	3.31	1.91
16.1	**D6D155**	6D15.5-J	153	A2	3.31	1.91
16.6	**D6D160**	6D16.0-J	137	A3	3.31	1.91
17.6	**D6D170**	6D17.0-J	175	A3	3.31	1.91
18.6	**D6D180**	6D18.0--J	159	A3	3.31	1.91
20.6	**D6D200**	6D20.0-J	185	A3	3.31	1.91
22.6	**D6D220**	6D22.0-M**	225	A3	1.94	0.28
27.6	**D6D270**	6D27.0-M**	300	A3	1.94	0.28
33.6	**D6D330**	6D33.0-M**	350	A3	1.94	0.28
40.6	**D6D400**	6D40.0--M**	460	A3	1.94	0.28
48.6	**D6D480**	6D48.0-M**	600	A3	1.94	0.28
58.6	**D6D580**	6D58.0--N**	760	A3	1.94	0.19

P.D. for "D" Belts = O.D.

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

** M-N-P-W are standard mounting only for these parts

DODGE

D QD SHEAVES - Standard Duty

8-Groove						F = 11.81
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**D8D120**	8D12.0-J	141	A1	3.56	2.16
13.6	**D8D130**	8D13.0-J	163	A1	3.56	2.16
14.1	**D8D135**	8D13.5-J	175	A1	3.56	2.16
14.6	**D8D140**	8D14.0-J	187	A1	3.56	2.16
15.1	**D8D145**	8D14.5-J	200	A1	3.56	2.16
15.6	**D8D150**	8D15.0-J	183	A2	3.56	2.16
16.1	**D8D155**	8D15.5-J	189	A2	3.56	2.16
16.6	**D8D160**	8D16.0-J	197	A2	3.56	2.16
17.6	**D8D170**	8D17.0-J	213	A2	3.56	2.16
18.6	**D8D180**	8D18.0-M**	255	A2	3.94	2.28
20.6	**D8D200**	8D20.0-M**	258	A2	3.94	2.28
22.6	**D8D220**	8D22.0-M**	266	A3	1.94	0.28
27.6	**D8D270**	8D27.0-M**	320	A3	1.94	0.28
33.6	**D8D330**	8D33.0-M**	420	A3	1.94	0.28
40.6	**D8D400**	8D40.0--N**	600	A3	2.19	0.13
48.6	**D8D480**	8D48.0-N**	750	A3	2.19	0.13
58.6	**D8D580**	8D58.0-N**	1000	A3	2.19	0.13

10-Groove						F = 14.69
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**D10D120**	10D12.0-M**	166	A1	3.94	2.28
13.6	**D10D130**	10D13.0-M**	207	A1	3.94	2.28
14.1	**D10D135**	10D13.5-M**	224	A1	3.94	2.28
14.6	**D10D140**	10D14.0-M**	242	A1	3.94	2.28
15.1	**D10D145**	10D14.5-M**	260	A1	3.94	2.28
15.6	**D10D150**	10D15.0-M**	279	A1	3.94	2.28
16.1	**D10D155**	10D15.5-M**	298	A1	3.94	2.28
16.6	**D10D160**	10D16.0-M**	318	A1	3.94	2.28
17.6	**D10D170**	10D17.0-M**	307	A2	3.94	2.28
18.6	**D10D180**	10D18.0-M**	293	A2	3.94	2.28
20.6	**D10D200**	10D20.0-M**	351	A2	3.94	2.28
22.6	**D10D220**	10D22.0--M**	342	A3	2.94	1.28
27.6	**D10D270**	10D27.0-M**	415	A3	2.94	1.28
33.6	**D10D330**	10D33.0-N**	575	A3	3.40	1.34
40.6	**D10D400**	10D40.0-N**	680	A3	3.40	1.34
48.6	**D10D480**	10D48.0-P**	975	A3	2.57	0.19
58.6	**D10D580**	10D58.0-P**	1250	A3	2.57	0.19

12-Groove						F = 17.56
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.6	**D12D120**	12D12.0--M**	187	A1	#N/A!	3.28
13.6	**D12D130**	12D13.0--M**	234	A1	#N/A!	3.28
14.1	**D12D135**	12D13.5--M**	252	A1	#N/A!	3.28
14.6	**D12D140**	12D14.0--M**	271	A1	#N/A!	3.28
15.1	**D12D145**	12D14.5-M**	290	A1	#N/A!	3.28
15.6	**D12D150**	12D15.0--M**	310	A1	#N/A!	3.28
16.1	**D12D155**	12D15.5--M**	330	A1	#N/A!	3.28
16.6	**D12D160**	12D16.0--M**	352	A1	#N/A!	3.28
17.6	**D12D170**	12D17.0--M**	365	A2	#N/A!	3.47
18.6	**D12D180**	12D18.0-M**	391	A2	#N/A!	3.47
20.6	**D12D200**	12D20.0-M**	401	A2	#N/A!	2.28
22.6	**D12D220**	12D22.0--M**	365	A3	#N/A!	2.28
27.6	**D12D270**	12D27.0--N**	505	A3	#N/A!	2.13
33.6	**D12D330**	12D33.0--N**	590	A3	#N/A!	2.13
40.6	**D12D400**	12D40.0--P**	925	A3	#N/A!	0.19
48.6	**D12D480**	12D48.0--P**	1150	A3	#N/A!	0.19
58.6	**D12D580**	12D58.0-P**	1500	A3	#N/A!	0.19

P.D. for "D" Belts = O.D.

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT7-2

** M-N-P-W are standard mounting only for these parts

Custom-Made Sheaves & Sprockets

V-Belt Sheaves & Synchronous Sprockets

Standard stock products offer the best value for most power transmission operations. But, for requirements that cannot be served with stock products, DODGE manufactures custom-made sheaves and synchronous belt sprockets.

Synchronous Sprockets

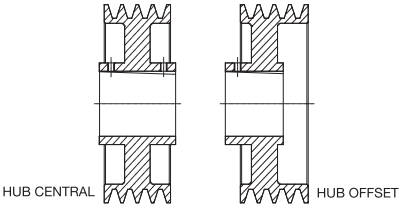
V-Belt Sheaves

Custom Construction Options

- Non-stock pitch diameter
- Non-stock number of teeth
- Alternate hub location
- Special material: ductile, steel, aluminum, stainless steel etc.
- Alternate bushing or bore configuration for mounting product onto shaft
- Other non-standard requirements

Hub Locations

- Hub central
- Typical for larger diameter products
- Hub offset
- This location is preferred for wider face widths. It is positioned to accommodate the shaft and provides centralized sheave support
- Hub projection
- Required for access to setscrews on smaller bored-to-size products
- Special coating and plating



Materials

Stock sheaves, as well as synchronous sprockets, are manufactured typically from high quality gray iron. Frequently specified alternate materials are shown below.

Alternate Materials

Material	Grade	Max. Rim Speed (Fpm)
GRAY IRON:	-	6,500
DUCTILE	65-45-12	8,000
IRON:	80-55-06	10,000
STEEL:	-	10,000

Dynamic (two-plane) balance normally required for rim speeds above 6,500 feet per minute (FPM).
Drives that exceed 8,000 FPM should be reviewed by DODGE Engineering.

Mounting Styles

Bored-to-size

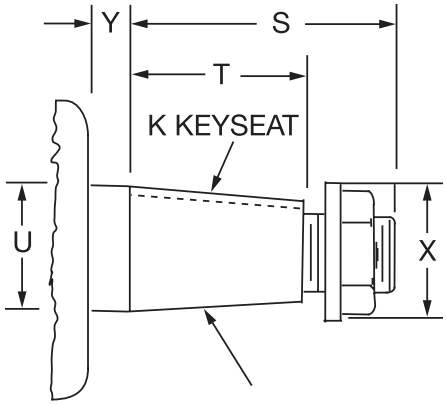
Required when rim diameter cannot accommodate the bushing that is required for the bore size. One keyseat, as well as one or two setscrews are usually specified.

Taper bushed

Specify TAPER-LOCK or QD bushing for required bore size. Verify that hub diameter accommodates bushing. Taper bushed mounting is preferred because this mounting compensates for variations in shaft diameter; provides tight, secure fit; and removes easily for servicing.

Taper bore

For use on taper shafts (sketch below). If hub is not central with face, specify which hub end takes large end of bore. Hub at small end will extend 1/8, beyond the “T” dimension. Keyways are standard size, as well as parallel with the taper, unless specified otherwise.

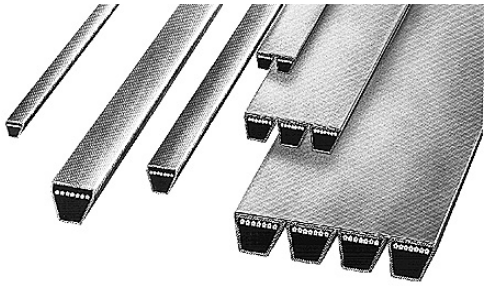


FEATURES/BENEFITS

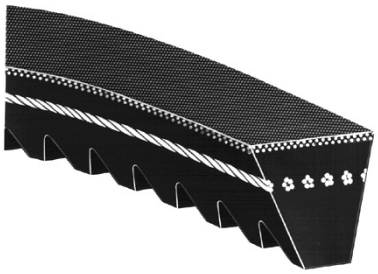
V-Belts

V-drives have been the mainstay of industrial power transmission for over 60 years. During this time, DODGE has been a major influence, designing and developing innovative concepts in V-belt sheaves and supplying the highest quality belts.

Today's V-drives offer quiet, efficient mechanical power transmission. They provide many thousands of hours of performance, even under conditions of shock load and normal drive misalignment. All of these benefits come at an economic value that is unsurpassed.



D-V WEDGE BELTS 3VX-5VX-8V

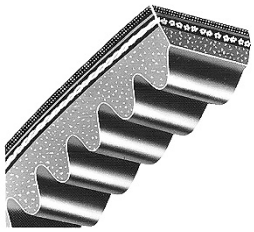


- Oil resistant and static conducting
- Permits compact, lighter weight drives flexibility
- High-strength tension member delivers maximum power with minimum stretch
- Built for long-term dimensional stability
- Molded cog construction under 200-inch belt length is reduced

S-L CLASSIC V-BELTS A-B-C-D-E

- Cable cord envelope construction
- Cool running and flexible
- Strong tensile cords minimize stretch
- Static conducting and heat and oil resistant
- More tolerant of shock loads

CLASSIC COG V-BELTS AX-BX-CX-DX

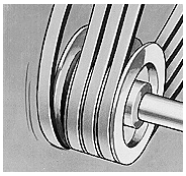


Deliver more horsepower and last longer than conventional belts...

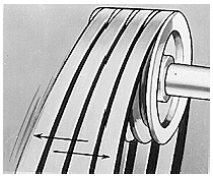
- Fully notched cogs for maximum
- High coefficient rubber edge
- Oil resistant and static conducting
- Proven energy-saving design
- Outlasts conventional belts
- Fewer belts required - drive weight

POLYBAND CLASSIC POLYBAND WEDGE V-BELTS

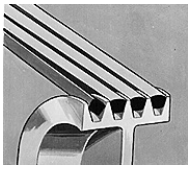
POLYBAND banded V-belts are engineered to handle those problem drives where vibration, sudden shock loads or misalignment causes belts to turn over, whip or jump off sheave. Two or more belts are inseparable joined together as one single unit. POLYBAND belts may be used without changing sheaves or altering the drive.



- NO JUMP OFF

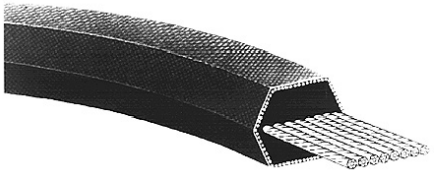


- NO WHIP



- NO TURN OVER

DOUBLE-V SEALED-LIFE (HEX)



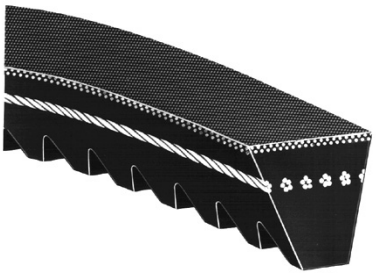
For serpentine drives

- Transmits power from both sides of belt
- Standard AA, BB, CC cross sections
- Runs in standard classical sheaves
- Oil resistant and static conducting

SELECTION

DODGE

D-V Wedge Narrow Belts

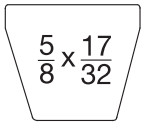


Raw-Edge Molded Cog Construction

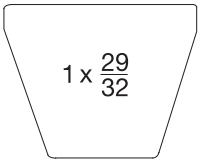
Wrapped Construction

- Oil Resistant and Static Conducting
- Permits Compact, Lighter Weight Drives
- Hi-Strength Tension Member Delivers Maximum Power with Minimum Stretch
- Built for Long-Term Dimensional Stability.
- Matched to MPTA/RMA Standards. No additional matching or Matching Codes required.

3V
3VX



5V
5VX



8V
8VX

3VX				5VX, 5V								8VX, 8V			
Belt No.	**Part No.**	**Wt.**	**Lgth. Δ**	**Belt No.**	**Part No.**	**Wt.**	**Lgth. Δ**	**Belt No.**	**Part No.**	**Wt.**	**Lgth. Δ**	**Belt No.**	**Part No.**	**Wt.**	**Lgth. Δ**
3VX250	**107150**	0.11	25	5VX450		0.51	45	5VX900	**107180**	1.04	90	8VX1000	**107200**	2.97	100
3VX265	**107220**	0.11	27	5VX470		0.54	47	5VX930		1.07	93	8VX1060	**107219**	3.50	106
3VX280	**107151**	0.12	28	5VX490		0.56	49	5VX950	**107195**	1.10	95	8VX1120	**107201**	3.35	112
3VX300	**107229**	0.12	30	5VX500	**107175**	0.57	50	5VX960		1.11	96	8VX1180	**107240**	3.65	118
3VX315	**107152**	0.14	31.5	5VX510		0.59	51	5VX1000	**107181**	1.16	100	8VX1250	**107202**	3.98	125
3VX335	**107230**	0.14	33.5	5VX530	**107233**	0.61	53	5VX1030		1.18	103	8VX1320	**107241**	4.05	132
3VX355	**107153**	0.16	35.5	5VX540		0.63	54	5VX1060	**107196**	1.23	106	8VX1400	**107203**	4.16	140
3VX375	**107166**	0.16	37.5	5VX550		0.63	55	5VX1080		1.24	108	8VX1500	**107242**	4.69	150
3VX400	**107154**	0.16	40	5VX560	**107176**	0.64	56	5VX1120	**107182**	1.30	112	8VX1600	**107204**	5.30	160
3VX425	**107167**	0.17	42.5	5VX570		0.66	57	5VX1150		1.33	115	8VX1700	**107243**	5.27	170
3VX450	**107155**	0.54	45	5VX580		0.67	58	5VX1160		1.34	116	8VX1800	**107205**	5.73	180
3VX475	**107221**	0.20	47.5	5VX590		0.68	59	5VX1180	**107197**	1.37	118	8VX1900	**107244**	5.81	190
3VX500	**107156**	0.22	50	5VX600	**107234**	0.69	60	5VX1230		1.42	123	8VX2000	**107206**	6.05	200
3VX530	**107222**	0.21	53	5VX610		0.70	61	5VX1250	**107183**	1.45	125	8V2120	**107245**	6.80	212
3VX560	**107157**	0.22	56	5VX630	**107177**	0.73	63	5VX1320	**107224**	1.53	132	8V2240	**107207**	7.25	224
3VX600	**107168**	0.24	60	5VX650		0.75	65	5VX1400	**107184**	1.62	140	8V2360	**107215**	7.65	236
3VX630	**107158**	0.27	63	5VX660		0.75	66	5VX1500	**107225**	1.74	150	8V2500	**107208**	7.97	250
3VX670	**107169**	0.29	67	5VX670	**107235**	0.77	67	5VX1600	**107185**	1.86	160	8V2650	**107246**	8.52	265
3VX710	**107159**	0.31	71	5VX680		0.78	68	5VX1700	**107226**	1.97	170	8V2800	**107209**	8.95	280
3VX750	**107170**	0.30	75	5VX690		0.80	69	5VX1800	**107186**	2.10	180	8V3000	**107216**	10.05	300
3VX800	**107160**	0.33	80	5VX710	**107178**	0.82	71	5VX1900	**107227**	2.20	190	8V3150	**107210**	10.50	315
3VX850	**107171**	0.39	85	5VX730		0.84	73	5VX2000	**107187**	2.30	200	8V3350	**107247**	11.20	335
3VX900	**107161**	0.38	90	5VX740		0.85	74	5V2120	**107228**	2.50	212	8V3550	**107211**	11.90	355
3VX950	**107172**	0.40	95	5VX750	**107193**	0.87	75	5V2240	**107188**	2.60	224	8V3750	**107218**	12.60	375
3VX1000	**107162**	0.44	100	5VX780		0.90	78	5V2360	**107236**	2.74	236	8V4000	**107212**	13.40	400
3VX1060	**107223**	0.44	106	5VX800	**107179**	0.92	80	5V2500	**107189**	2.84	250	8V4250	**107248**	14.20	425
3VX1120	**107163**	0.46	112	5VX810		0.93	81	5V2650	**107237**	2.99	265	8V4500	**107213**	15.10	425
3VX1180	**107231**	0.50	118	5VX830		0.96	83	5V2800	**107190**	3.10	280	8V4750	**107217**	15.50	475
3VX1250	**107164**	0.54	125	5VX840		0.97	84	5V3000	**107238**	3.60	300	8V5000	**107214**	16.00	500
3VX1320	**107232**	0.57	132	5VX850	**107194**	0.98	85	5V3150	**107191**	3.80	315	- - - -	**- - - -**	- - - -	- - - -
3VX1400	**107165**	0.62	140	5VX860		0.99	86	5V3350	**107239**	4.00	335	- - - -	**- - - -**	- - - -	- - - -
3VX1500	**107173**	0.56	150	5VX880		1.02	88	5V3550	**107192**	4.30	355	- - - -	**- - - -**	- - - -	- - - -

Δ Outside circumference in inches

DODGE

D-V Wedge Banded Belts

3VX POLYBAND Narrow Belts (2, 3, 4, 5, and 6 Bands)

Lgth. Δ	Belt No.	Wgt. Per Band	2-BAND P/N	3-BAND P/N	4-BAND P/N	5-BAND P/N	6-BAND P/N
25	R3VX250 Δ	0.10					
26.5	R3VX265 Δ	0.10					
28	R3VX280 Δ	0.10	**108208**	**108209**	**108210**	**108211**	
30	R3VX300 Δ	0.15	**108212**	**108213**	**108214**	**108215**	
31.5	R3VX315 Δ	0.15	**108216**	**108217**	**108218**	**108219**	
33.5	R3VX335 Δ	0.15	**108220**	**108221**	**108222**	**108228**	
35.5	R3VX355 Δ	0.15	**108224**	**108225**	**108226**	**108227**	
37.5	R3VX375 Δ	0.15	**108228**	**108229**	**108230**	**108231**	
40	R3VX400 Δ	0.20	**108232**	**108233**	**108234**	**108235**	
42.5	R3VX425 Δ	0.20	**108236**	**108237**	**108238**	**108239**	
45	R3VX450 Δ	0.20	**108240**	**108241**	**108242**	**108243**	
47.5	R3VX475 Δ	0.20	**108244**	**108245**	**108246**	**108247**	
50	R3VX500 Δ	0.20	**108248**	**108249**	**108250**	**108251**	
53	R3VX530 Δ	2.50	**108252**	**108253**	**108254**	**108255**	
56	R3VX560 Δ	2.50	**108256**	**108257**	**108258**	**108259**	
60	R3VX600 Δ	2.50	**108260**	**108261**	**108262**	**108263**	
63	R3VX630 Δ	0.30	**108264**	**108265**	**108266**	**108267**	
67	R3VX670 Δ	0.30	**108268**	**108269**	**108270**	**108271**	
71	R3VX710 Δ	0.30	**108272**	**108273**	**108274**	**108275**	
75	R3VX750 Δ	0.35	**108276**	**108277**	**108278**	**108279**	
80	R3VX800 Δ	0.35	**108280**	**108281**	**108282**	**108283**	
85	R3VX850 Δ	0.40	**108284**	**108285**	**108286**	**108287**	
90	R3VX900 Δ	0.40	**108288**	**108289**	**108290**	**108291**	
95	R3VX950 Δ	0.45	**108292**	**108293**	**108294**	**108295**	
100	R3VX1000 Δ	0.45	**108296**	**108297**	**108298**	**108299**	
106	R3VX1060 Δ	0.50	**108300**	**108301**	**108302**	**108303**	
112	R3VX1120 Δ	0.50	**108304**	**108305**	**108306**	**108307**	
118	R3VX1180 Δ	0.55	**108308**	**108309**	**108310**	**108311**	
125	R3VX1250 Δ	0.55	**108312**	**108313**	**108314**	**108315**	
132	R3VX1320 Δ	0.60	**108316**	**108317**	**108318**	**108319**	
140	R3VX1400 Δ	0.65	**108320**	**108321**	**108322**	**108323**	

Δ Outside circumference in inches

SELECTION

5VX, 5V POLYBAND Narrow Belts (2, 3, 4, 5, and 6 Bands)

Lgth. Δ	Belt No.	Wgt. Per Band	2-BAND P/N	3-BAND P/N	4-BAND P/N	5-BAND P/N	6-BAND P/N
50	R5VX500 Δ	0.65	**108330**				
53	R5VX530 Δ	0.65					
56	R5VX560 Δ	0.70	**108338**	**108339**	**108340**	**108341**	
60	R5VX600 Δ	0.75	**108342**	**108343**	**108344**	**108345**	
63	R5VX630 Δ	0.80	**108346**	**108347**	**108348**	**108349**	
67	R5VX670 Δ	0.85	**108350**	**108351**	**108352**	**108353**	
71	R5VX710 Δ	0.90	**108354**	**108355**	**108356**	**108357**	
75	R5VX750 Δ	0.95	**108358**	**108359**	**108360**	**108361**	
80	R5VX800 Δ	1.00	**108362**	**108363**	**108364**	**108365**	
85	R5VX850 Δ	1.10	**108366**	**108367**	**108368**	**108369**	
90	R5VX900 Δ	1.15	**108370**	**108371**	**108372**	**108373**	
95	R5VX950 Δ	1.20	**108374**	**108375**	**108376**	**108377**	
100	R5VX1000 Δ	1.30	**108378**	**108379**	**108380**	**108381**	
106	R5VX1060 Δ	1.35	**108382**	**108383**	**108384**	**108385**	
112	R5VX1120 Δ	1.45	**108386**	**108387**	**108388**	**108389**	
118	R5VX1180 Δ	1.50	**108390**	**108391**	**108392**	**108393**	
125	R5VX1250 Δ	1.60	**108394**	**108395**	**108396**	**108397**	
132	R5VX1320 Δ	1.70	**108398**	**108399**	**108400**	**108401**	
140	R5VX1400 Δ	1.80	**108402**	**108403**	**108404**	**108405**	**108329**
150	R5VX1500 Δ	1.90	**108406**	**108407**	**108408**	**108409**	
160	R5VX1600 Δ	2.05	**108410**	**108411**	**108412**	**108413**	
170	R5VX1700 Δ	2.20	**108414**	**108415**	**108416**	**108417**	
180	R5VX1800 Δ	2.30	**108418**	**108419**	**108420**	**108421**	
190	R5VX1900 Δ	2.45	**108422**	**108423**	**108424**	**108425**	
200	R5VX2000 Δ	2.55	**108426**	**108427**	**108428**	**108429**	
212	R5V2120 Δ	2.75	**108430**	**108431**	**108432**	**108433**	
224	R5V2240 Δ	2.90	**108434**	**108435**	**108436**	**108437**	
236	R5V2360 Δ	3.00	**108438**	**108439**	**108440**	**108441**	
250	R5V2500 Δ	3.20	**108442**	**108443**	**108444**	**108445**	
265	R5V2650 Δ	3.40	**108446**	**108447**	**108448**	**108449**	
280	R5V2800 Δ	3.60	**108450**	**108451**	**108452**	**108453**	
300	R5V3000 Δ	3.85	**108454**	**108455**	**108456**	**108457**	
315	R5V3150 Δ	4.05	**108458**	**108459**	**108460**	**108461**	
335	R5V3350 Δ	4.35	**108462**	**108463**	**108464**	**108465**	
355	R5V3550 Δ	4.70	**108466**	**108467**	**108468**	**108469**	

FOR 8V BELTS SEE NEXT PAGE

Δ Outside circumference in inches

DODGE

8V POLYBAND Narrow Belts (2, 3, 4, 5, and 6 Bands)

Lgth. Δ	Belt No.	Wgt. Per Band	2-BAND P/N	3-BAND P/N	4-BAND P/N	5-BAND P/N	6-BAND P/N
100	R8V1000 Δ	3.3					
106	R8V1060 Δ	3.50	**108486**				
112	R8V1120 Δ	3.70	**108489**	**108490**	**108491**	**108492**	
118	R8V1180 Δ	3.80	**108493**	**108494**	**108495**	**108496**	
125	R8V1250 Δ	4.15	**108498**	**108499**	**108500**	**108501**	
132	R8V1320 Δ	4.35	**108502**	**108503**	**108504**	**108505**	
140	R8V1400 Δ	4.65	**108507**	**108508**	**108509**	**108510**	
150	R8V1500 Δ	5.00	**108511**	**108512**	**108513**	**108514**	
160	R8V1600 Δ	5.35	**108515**	**108516**	**108517**	**108518**	
170	R8V1700 Δ	5.70	**108519**	**108520**	**108521**	**108522**	
180	R8V1800 Δ	6.00	**108524**	**108525**	**108526**	**108527**	
190	R8V1900 Δ	6.35	**108528**	**108529**	**108530**	**108531**	
200	R8V2000 Δ	6.70	**108533**	**108534**	**108535**	**108536**	
212	R8V2120 Δ	7.10	**108537**	**108538**	**108539**	**108540**	**108326**
224	R8V2240 Δ	7.50	**108542**	**108543**	**108544**	**108545**	
236	R8V2360 Δ	7.90	**108546**	**108547**	**108548**	**108549**	
250	R8V2500 Δ	8.40	**108550**	**108551**	**108552**	**108553**	
265	R8V2650 Δ	8.90	**108554**	**108555**	**108556**	**108557**	
280	R8V2800 Δ	9.14	**108559**	**108560**	**108561**	**108562**	
300	R8V3000 Δ	10.10	**108563**	**108564**	**108565**	**108566**	**108558**
315	R8V3150 Δ	10.60	**108567**	**108568**	**108569**	**108570**	
335	R8V3350 Δ	11.30	**108571**	**108572**	**108573**	**108574**	
355	R8V3550 Δ	12.00	**108576**	**108577**	**108578**	**108579**	
375	R8V3750 Δ	12.65	**108580**	**108581**	**108582**	**108583**	
400	R8V4000 Δ	13.50	**108585**	**108586**	**108587**	**108588**	
425	R8V4250 Δ	14.35	**108589**	**108590**	**108591**	**108592**	
450	R8V4500 Δ	15.20	**108594**	**108595**	**108596**	**108597**	
475	R8V4750 Δ	16.05	**108470**	**108471**	**108472**	**108473**	
500	R8V5000 Δ	16.90	**108474**	**108475**	**108476**	**108477**	
560	R8V5600 Δ	18.90	**108478**	**108479**	**108484**	**108488**	
600	R8V6000 Δ	20.25					

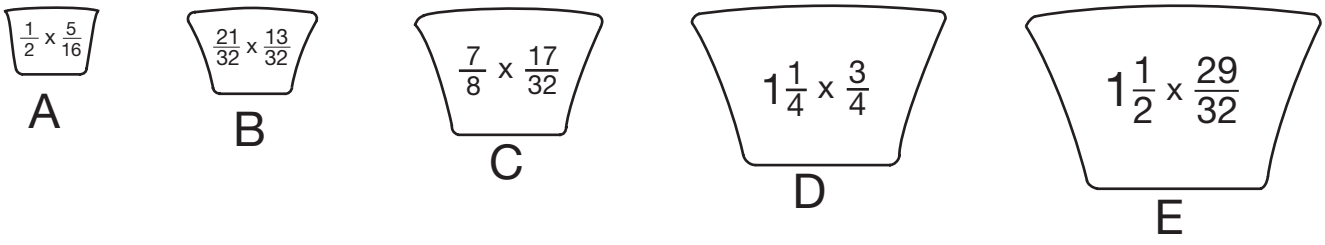
Δ Outside circumference in inches

SELECTION

DODGE

S-L Classic Belts

- Premium Performance at Standard Prices.
- Cool Running and Flexible.
- Strong Tensile Cords Remove Excess Stretch.
- Static Conducting and Heat and Oil Resistant.
- Matched to MPTA/RMA Standards - No additional matching or Match Codes required.



Belt No.	Part No.	Wt.	Datum Lgth. Δ	Belt No.	Part No.	Wt.	Datum Lgth. Δ	Belt No.	Part No.	Wt.	Datum Lgth. Δ	Belt No.	Part No.	Wt.	Datum Lgth. Δ
AP21		0.14	22.3	AP44	**107324**	0.30	45.3	AP67	**107388**	0.44	68.3	AP89	**107922**	0.57	90.3
AP22	**107908**	0.15	23.3	AP45	**107329**	0.32	46.3	AP68	**107016**	0.80	69.3	AP90	**107022**	0.57	91.3
AP23		0.16	24.3	AP46	**107007**	0.31	47.3	AP69	**107913**	0.44	70.3	AP91	**107923**	0.57	92.3
AP24	**107910**	0.17	25.3	AP47	**107330**	0.34	48.3	AP70	**107252**	0.46	71.3	AP92	**107277**	0.58	93.3
AP25		0.18	26.3	AP48	**107008**	0.34	49.3	AP71	**107017**	0.46	72.3	AP93	**107430**	0.58	94.3
AP26	**107001**	0.20	27.9	AP49	**107272**	0.34	50.3	AP72	**107914**	0.48	73.3	AP94	**107924**	0.60	95.3
AP27	**107417**	0.19	28.3	AP50	**107331**	0.35	51.3	AP73	**107915**	0.48	74.3	AP95	**107925**	0.62	96.3
AP28	**107320**	0.21	29.3	AP51	**107009**	0.36	52.3	AP74	**107343**	0.48	75.3	AP96	**107023**	0.65	97.3
AP29	**107418**	0.21	30.3	AP52	**107332**	0.38	53.3	AP75	**107018**	0.48	76.3	AP97	**107926**	0.65	98.3
AP30	**107321**	0.23	31.3	AP53	**107010**	0.37	54.3	AP76	**107420**	0.47	77.3	AP98	**107431**	0.70	99.3
AP31	**107002**	0.24	32.3	AP54	**107250**	0.38	55.3	AP77	**107916**	0.50	78.3	AP100	**107346**	0.67	101.3
AP32	**107322**	0.24	33.3	AP55	**107011**	0.38	56.3	AP78	**107019**	0.51	79.3	AP103		0.68	104.3
AP33	**107003**	0.25	34.3	AP56	**107251**	0.37	57.3	AP79	**107917**	0.52	80.3	AP105	**107024**	0.68	106.3
AP34	**107278**	0.26	35.3	AP57	**107273**	0.40	58.3	AP80	**107020**	0.51	81.3	AP110	**107253**	0.70	111.3
AP35	**107004**	0.26	36.3	AP58	**107274**	0.40	59.3	AP81	**107276**	0.52	82.3	AP112	**107025**	0.74	113.3
AP36	**107270**	0.27	37.3	AP59	**107912**	0.40	60.3	AP82	**107918**	0.55	83.3	AP120	**107026**	0.75	121.3
AP37	**107129**	0.27	38.3	AP60	**107012**	0.41	61.3	AP83	**107344**	0.50	84.3	AP128	**107027**	0.85	129.3
AP38	**107005**	0.26	39.3	AP61	**107333**	0.41	62.3	AP84	**107919**	0.53	85.3	AP136	**107028**	0.84	137.3
AP39	**107323**	0.29	40.3	AP62	**107013**	0.66	63.3	AP85	**107021**	0.55	86.3	AP144	**107029**	1.00	145.3
AP40	**107271**	0.29	41.3	AP63	**107387**	0.40	64.3	AP86	**107920**	0.56	87.3	AP158	**107254**	1.10	159.3
AP41	**107419**	0.29	42.3	AP64	**107014**	0.41	65.3	AP87	**107921**	0.58	88.3	AP173	**107255**	1.20	174.3
AP42	**107006**	0.27	43.3	AP65	**107122**	0.42	66.3	AP88	**107345**	0.60	89.3	AP180	**107256**	1.20	181.3
AP43	**107249**	0.31	44.3	AP66	**107015**	0.43	67.3								

Δ Datum Length in inches

DODGE

S-L Classic Belts

B, C, D, E S-L Classic Belts

Belt No.	Part No.	Wt.	Datum Lgth. Δ
B-Belts			
BP25		0.28	26.8
BP26		0.29	27.8
BP28	**107932**	0.30	29.8
BP29	**107933**	0.29	30.8
BP30		0.30	31.8
BP31		0.32	32.8
BP32	**107389**	0.36	33.8
BP33		0.34	34.8
BP34	**107390**	0.34	35.8
BP35	**107030**	0.39	36.8
BP36	**107391**	0.39	37.8
BP37	**107936**	0.41	38.8
BP38	**107031**	0.44	39.8
BP39	**107937**	0.43	40.8
BP40	**107279**	0.44	41.8
BP41	**107280**	0.45	42.8
BP42	**107032**	0.44	43.8
BP43	**107349**	0.46	44.8
BP44	**107281**	0.50	45.8
BP45	**107433**	0.48	46.8
BP46	**107033**	0.49	47.8
BP47	**107408**	0.52	48.8
BP48	**107034**	0.51	49.8
BP49	**107350**	0.53	50.8
BP50	**107282**	0.54	51.8
BP51	**107035**	0.51	52.8
BP52	**107283**	0.55	53.8
BP53	**107036**	0.57	54.8
BP54	**107284**	0.59	55.8
BP55	**107037**	0.59	56.8
BP56	**107285**	0.59	57.8
BP57	**107286**	0.59	58.8
BP58	**107287**	0.61	59.8
BP59	**107288**	0.59	60.8
BP60	**107038**	0.60	61.8
BP61	**107289**	0.61	62.8
BP62	**107039**	0.62	63.8
BP63	**107290**	0.63	64.8
BP64	**107040**	0.64	65.8
BP65	**107041**	0.65	66.8
BP66	**107042**	0.66	67.8
BP67	**107291**	0.69	68.8
BP68	**107043**	0.67	69.8
BP69	**107409**	0.70	70.8
BP70	**107275**	0.72	71.8
BP71	**107044**	0.69	72.8
BP72	**107292**	0.73	73.8
BP73	**107293**	0.73	74.8
BP74	**107294**	0.73	75.8
BP75	**107045**	0.78	76.8
BP76	**107410**	0.76	77.8
BP77	**107295**	0.76	78.8

Belt No.	Part No.	Wt.	Datum Lgth. Δ
B-Belts (Con't)			
BP78	**107046**	0.74	79.8
BP79	**107257**	0.80	80.8
BP80	**107047**	0.85	81.8
BP81	**107048**	0.82	82.8
BP82	**107258**	0.84	83.8
BP83	**107049**	0.79	84.8
BP84	**107411**	0.81	85.8
BP85	**107050**	0.87	86.8
BP86	**107434**	0.84	87.8
BP87	**107296**	0.87	88.8
BP88	**107297**	0.87	89.8
BP89	**107938**	0.90	90.8
BP90	**107051**	0.94	91.8
BP91	**107939**	0.87	92.8
BP92	**107940**	0.90	93.8
BP93	**107052**	0.91	94.8
BP94	**107941**	0.93	95.8
BP95	**107259**	0.95	96.8
BP96	**107260**	0.96	97.8
BP97	**107053**	0.95	98.8
BP98		0.96	99.8
BP99	**107128**	0.99	100.8
BP100	**107069**	1.02	101.8
BP101		1.06	102.8
BP103	**107054**	1.07	104.8
BP105	**107055**	1.07	106.8
BP106		1.08	107.8
BP108	**107298**	1.08	109.8
BP111		1.15	112.8
BP112	**107056**	1.14	113.8
BP116	**107412**	1.18	117.8
BP118		1.18	119.8
BP120	**107057**	1.18	121.8
BP123		1.25	124.8
BP124	**107299**	1.26	125.8
BP126		1.25	127.8
BP128	**107058**	1.28	129.8
BP130		1.35	131.8
BP133	**107261**	1.38	134.8
BP136	**107059**	1.34	137.8
BP140		1.43	141.8
BP144	**107060**	1.45	145.8
BP148	**107351**	1.39	149.8
BP150	**107000**	1.49	151.8
BP154		1.54	155.8
BP158	**107061**	1.55	159.8
BP162	**107125**	1.58	163.8
BP173	**107062**	1.69	174.8
BP180	**107063**	1.72	181.8
BP190	**107352**	1.85	191.8
BP191		1.95	192.8
BP195	**107064**	2.00	196.8

Belt No.	Part No.	Wt.	Datum Lgth. Δ
B-Belts (Con't)			
BP205	**107353**	2.00	206.8
BP210	**107065**	2.07	211.8
BP225	**107262**	2.21	225.3
BP240	**107066**	2.39	240.3
BP255	**107263**	2.56	255.3
BP270	**107067**	2.75	270.3
BP285	**107264**	2.70	285.3
BP300	**107068**	3.40	300.3
BP315	**107265**	3.20	315.3
C-BELTS			
CP51	**107072**	0.99	53.9
CP55	**107354**	1.07	57.9
CP60	**107073**	1.15	62.9
CP68	**107074**	1.30	70.9
CP71		1.34	73.9
CP72	**107699**	1.36	74.9
CP75	**107075**	1.42	77.9
CP78	**107124**	1.49	80.9
CP81	**107076**	1.50	83.9
CP85	**107077**	1.65	87.9
CP90	**107078**	1.64	92.9
CP96	**107079**	1.82	98.9
CP97	**107356**	1.83	99.9
CP99	**107361**	1.86	101.9
CP100	**107126**	1.88	102.9
CP101		1.89	103.9
CP105	**107080**	1.90	107.9
CP108	**107363**	1.90	110.9
CP109	**107123**	2.02	111.9
CP111	**107365**	2.10	113.9
CP112	**107081**	2.13	114.9
CP115	**107364**	2.26	117.9
CP120	**107082**	2.22	122.9
CP124	**107127**	2.42	126.9
CP128	**107083**	2.35	130.9
CP136	**107084**	2.56	138.9
CP144	**107085**	2.64	146.9
CP148		2.80	150.9
CP150	**107957**	2.82	152.9
CP158	**107086**	3.01	160.9
CP162	**107087**	3.09	164.9
CP173	**107088**	3.39	175.9
CP180	**107089**	3.47	182.9
CP195	**107090**	3.65	197.9
CP210	**107091**	8.03	212.9
CP225	**107266**	4.16	225.9
CP240	**107092**	4.31	240.9
CP255	**107267**	4.70	255.9
CP270	**107093**	5.03	270.9
CP285	**107268**	5.20	285.9
CP300	**107094**	5.50	300.9
CP315	**107095**	5.80	315.9

Belt No.	Part No.	Wt.	Datum Lgth. Δ
C-Belts (Con't)			
CP330	**107096**	6.00	330.9
CP345	**107097**	6.30	345.9
CP360	**107098**	7.40	360.9
CP390	**107099**	7.10	390.9
CP420	**107269**	8.03	420.9
D-BELTS			
DP120	**107100**	4.30	123.3
DP128	**107101**	4.60	131.3
DP144	**107102**	5.10	147.3
DP158	**107103**	5.58	161.3
DP162	**107104**	5.65	165.3
DP173	**107105**	11.00	176.3
DP180	**107106**	6.35	183.3
DP195	**107107**	6.90	198.3
DP210	**107108**	7.40	213.3
DP225	**107146**	7.90	225.8
DP240	**107109**	8.49	240.8
DP255	**107148**	8.90	255.8
DP270	**107110**	8.90	270.8
DP285	**107149**	9.90	285.8
DP300	**107111**	10.30	300.8
DP315	**107112**	11.00	315.8
DP330	**107113**	11.50	330.8
DP345	**107114**	12.00	345.8
DP360	**107115**	12.76	360.8
DP390	**107116**	13.60	390.8
DP420	**107117**	14.70	420.8
DP450	**107373**	15.70	450.8
DP480	**107118**	16.80	480.8
DP540	**107119**	18.90	540.8
DP600	**107120**	20.90	600.8
DP660	**107070**	23.00	660.8
E-BELTS ◊			
EP144		8.00	148.5
EP180	**107131**	9.40	184.5
EP195	**107132**	10.10	199.5
EP210	**107133**	10.90	214.5
EP225		12.10	229.5
EP240	**107135**	12.20	241.5
EP270		14.50	271.5
EP300	**107137**	15.30	301.0
EP330	**107138**	16.80	331.0
EP360	**107139**	18.30	361.0
EP390	**107140**	19.80	391.0
EP420	**107141**	21.40	421.0
EP480	**107142**	27.00	481.0
EP540	**107143**	30.00	541.0
EP600	**107144**	34.00	601.0
EP660	**107174**	36.00	661.0

Δ Datum Length in inches

◊ E-BELTS: Recommended for Replacement Only - Not for New Drives (Use 8V Belts)

SELECTION

DODGE

S-L Classic Banded Belts
B POLYBAND Classic Belts (2, 3, 4 and 5 Bands)

Datum Lgth. Δ	Belt. No.	Wgt. per Band	2-Band P/N	3-Band P/N	4-Band P/N	5-Band P/N
36.8	RBP35 Δ	0.50				
39.8	RBP38 Δ	0.55				
41.8	RBP40 Δ	0.55				
42.8	RBP41 Δ	0.55				
43.8	RBP42 Δ	0.60	**107308**	**107309**	**107310**	**107311**
44.8	RBP43 Δ	0.60	**107421**	**107451**	**107452**	**107453**
45.8	RBP44 Δ	0.60				
47.8	RBP46 Δ	0.65	**107312**	**107313**	**107314**	**107315**
49.8	RBP48 Δ	0.65	**107316**	**107317**	**107318**	**107319**
50.8	RBP49 Δ	0.70				
51.8	RBP50 Δ	0.70	**107454**	**107455**	**107464**	**107465**
52.8	RBP51 Δ	0.70	**107325**	**107326**	**107327**	**107328**
53.8	RBP52 Δ	0.70	**107466**	**107467**	**107468**	**107481**
54.8	RBP53 Δ	0.75	**107334**	**107335**	**107336**	**107337**
55.8	RBP54 Δ	0.75	**107482**	**107483**	**107484**	**107485**
56.8	RBP55 Δ	0.75	**107338**	**107339**	**107340**	**107341**
57.8	RBP56 Δ	0.75	**107494**	**107495**	**107496**	**107497**
58.8	RBP57 Δ	0.80	**107498**	**107503**	**107504**	**107505**
59.8	RBP58 Δ	0.80	**107506**	**107507**	**107520**	**107521**
60.8	RBP59 Δ	0.80	**107522**	**107523**	**107524**	**107541**
61.8	RBP60 Δ	0.85	**107357**	**107358**	**107359**	**107360**
62.8	RBP61 Δ	0.85	**107542**	**107543**	**107544**	**107545**
63.8	RBP62 Δ	0.85	**107366**	**107367**	**107368**	**107369**
64.8	RBP63 Δ	0.85	**107550**	**107551**	**107552**	**107553**
65.8	RBP64 Δ	0.90	**107375**	**107376**	**107377**	**107378**
66.8	RBP65 Δ	0.90	**107379**	**107380**	**107381**	**107382**
67.8	RBP66 Δ	0.90	**107383**	**107384**	**107385**	**107386**
68.8	RBP67 Δ	0.90	**107554**	**107563**	**107564**	**107565**
69.8	RBP68 Δ	0.90	**107392**	**107393**	**107394**	**107395**
71.8	RBP70 Δ	0.95	**107396**	**107397**	**107398**	**107399**
72.8	RBP71 Δ	0.95	**107400**	**107401**	**107402**	**107403**
73.8	RBP72 Δ	1.00	**107566**	**107567**	**107568**	**107569**
74.8	RBP73 Δ	1.00	**107660**	**107651**	**107652**	**107653**
75.8	RBP74 Δ	1.00	**107654**	**107659**	**107660**	**107661**
75.8	RBP75 Δ	1.00	**107404**	**107405**	**107406**	**107407**
78.8	RBP77 Δ	1.05	**107662**	**107663**	**107668**	**107669**
79.8	RBP78 Δ	1.05	**107413**	**107414**	**107415**	**107416**
80.8	RBP79 Δ	1.10	**107670**	**107671**	**107672**	**107677**
81.8	RBP80 Δ	1.10	**107422**	**107423**	**107424**	**107425**
82.8	RBP81 Δ	1.10	**107426**	**107427**	**107428**	**107429**
83.8	RBP82 Δ	1.10	**107678**	**107894**	**107895**	**107896**
84.8	RBP83 Δ	1.15	**107435**	**107436**	**107437**	**107438**
86.8	RBP85 Δ	1.15	**107439**	**107440**	**107441**	**107442**
88.8	RBP87 Δ	1.20	**107897**	**107898**	**107899**	**107942**
89.8	RBP88 Δ	1.20	**107943**	**107944**	**107948**	**107949**
91.8	RBP90 Δ	1.20	**107443**	**107444**	**107445**	**107446**
94.8	RBP93 Δ	1.25	**107447**	**107448**	**107449**	**107450**
96.8	RBP95 Δ	1.30	**107950**	**107951**	**107952**	**107953**
97.8	RBP96 Δ	1.30	**107456**	**107457**	**107458**	**107459**
98.8	RBP97 Δ	1.30	**107460**	**107461**	**107462**	**107463**

Δ Datum Length in inches

S-L Classic Banded Belts
B POLYBAND Classic Belts (2, 3, 4 and 5 Bands) (Cont'd)

Datum Lgth. Δ	Belt. No.	Wgt. per Band	2-Band P/N	3-Band P/N	4-Band P/N	5-Band P/N
100.8	RBP99 Δ	1.35	**107954**	**107955**	**107956**	**107979**
101.8	RBP100 Δ	1.35	**107469**	**107470**	**107471**	**107472**
104.8	RBP103 Δ	1.40	**107473**	**107474**	**107475**	**107476**
106.8	RBP105 Δ	1.45	**107477**	**107478**	**107479**	**107480**
109.8	RBP108 Δ	1.45	**107980**	**107981**	**107982**	**107983**
113.8	RBP112 Δ	1.50	**107486**	**107487**	**107488**	**107489**
121.8	RBP120 Δ	1.65	**107490**	**107491**	**107492**	**107493**
125.8	RBP124 Δ	1.70	**107984**	**107985**	**107986**	**107987**
129.8	RBP128 Δ	1.75	**107499**	**107500**	**107501**	**107502**
134.8	RBP133 Δ	1.80	**107988**	**107989**	**107990**	**107991**
137.8	RBP136 Δ	1.85	**107508**	**107509**	**107510**	**107511**
145.8	RBP144 Δ	1.95	**107512**	**107513**	**107514**	**107515**
149.8	RBP148 Δ	2.00	**107992**	**107993**	**107994**	**107995**
159.8	RBP158 Δ	2.15	**107516**	**107517**	**107518**	**107519**
163.8	RBP162 Δ	2.20	**107996**	**107997**	**107998**	**108765**
174.8	RBP173 Δ	2.35	**107525**	**107526**	**107527**	**107528**
181.8	RBP180 Δ	2.45	**107529**	**107530**	**107531**	**107532**
196.8	RBP195 Δ	2.65	**107533**	**107534**	**107535**	**107536**
211.8	RBP210 Δ	2.85	**107537**	**107538**	**107539**	**107540**
225.3	RBP225 Δ	3.00	**108766**	**108767**	**108768**	**108769**
240.3	RBP240 Δ	3.20	**107546**	**107547**	**107548**	**107549**
255.3	RBP255 Δ	3.40	**108770**	**108771**	**108772**	**108773**
270.3	RBP270 Δ	3.60	**107555**	**107556**	**107557**	**107558**
285.3	RBP285 Δ	3.80				
300.3	RBP300 Δ	4.00	**107559**	**107560**	**107561**	**107562**
315.3	RBP315 Δ	4.20	**108774**	**108775**	**108776**	**108777**

SELECTION

S-L Classic Banded Belts
C POLYBAND Classic Belts (2, 3, 4 and 5 Bands)

Datum Lgth. Δ	Belt. No.	Wgt. per Band	2-Band P/N	3-Band P/N	4-Band P/N	5-Band P/N
53.9	RCP51 Δ	1.20				
57.9	RCP55 Δ	1.30				
62.9	RCP60 Δ	1.40	**107574**	**107575**	**107576**	**107577**
70.9	RCP68 Δ	1.55	**107578**	**107579**	**107580**	**107581**
73.9	RCP71 Δ	1.65				
77.9	RCP75 Δ	1.70	**107582**	**107583**	**107584**	**107585**
83.9	RCP81 Δ	1.85	**107586**	**107587**	**107588**	**107589**
87.9	RCP85 Δ	1.95	**107590**	**107591**	**107592**	**107593**
92.9	RCP90 Δ	2.05	**107594**	**107595**	**107596**	**107597**
98.9	RCP96 Δ	2.20	**107598**	**107599**	**107600**	**107601**
99.9	RCP97 Δ	2.20				
101.9	RCP99 Δ	2.25	**108778**	**108779**	**108780**	**108781**
102.9	RCP100 Δ	2.30				
107.9	RCP105 Δ	2.40	**107602**	**107603**	**107604**	**107605**
110.9	RCP108 Δ	2.45	**108782**	**108783**	**108784**	**108785**
111.9	RCP109 Δ	2.50	**108786**	**108787**	**108788**	**108789**
114.9	RCP112 Δ	2.55	**107606**	**107607**	**107608**	**107609**
122.9	RCP120 Δ	2.70	**107610**	**107611**	**107612**	**107613**
126.9	RCP124 Δ	2.80	**108790**	**108791**	**108792**	**108793**
130.9	RCP128 Δ	2.80	**107614**	**107615**	**107616**	**107617**
138.9	RCP136 Δ	3.05	**107618**	**107619**	**107620**	**107621**
146.9	RCP144 Δ	3.25	**107622**	**107623**	**107624**	**107625**
160.9	RCP158 Δ	3.55	**107626**	**107627**	**107628**	**107629**
164.9	RCP162 Δ	3.65	**107630**	**107631**	**107632**	**107633**
175.9	RCP173 Δ	3.90	**107634**	**107635**	**107636**	**107637**
182.9	RCP180 Δ	4.05	**107638**	**107639**	**107640**	**107641**
197.9	RCP195 Δ	4.40	**107642**	**107643**	**107644**	**107645**
212.9	RCP210 Δ	4.70	**107646**	**107647**	**107648**	**107649**
225.9	RCP225 Δ	5.00	**107679**	**107680**	**107681**	**107682**
240.9	RCP240 Δ	5.35	**107655**	**107656**	**107657**	**107658**
255.9	RCP255 Δ	5.65	**107684**	**107685**	**107686**	**107687**
270.9	RCP270 Δ	6.00	**107664**	**107665**	**107666**	**107667**
285.9	RCP285 Δ	6.35	**107689**	**107690**	**107691**	**107692**
300.9	RCP300 Δ	6.65	**107673**	**107674**	**107675**	**107676**
315.9	RCP315 Δ	7.00	**108794**	**108795**	**108796**	**108797**
330.9	RCP330 Δ	7.35	**108798**	**108799**	**108876**	**108877**
345.9	RCP345 Δ	7.65	**108878**	**108879**	**108880**	**108881**
360.9	RCP360 Δ	8.00	**108882**	**108883**	**108884**	**108885**
390.9	RCP390 Δ	8.65	**108886**	**108887**	**108888**	**108889**
420.9	RCP420 Δ	9.35	**108890**	**108891**	**108892**	**108893**

Δ Datum Length in inches

DODGE

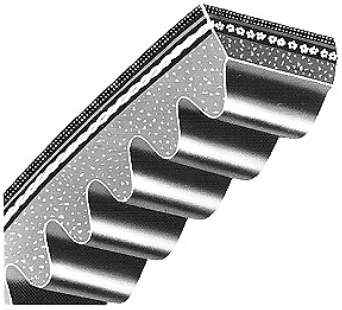
S-L Classic Banded Belts
D POLYBAND Classic Belts (2, 3, 4 and 5 Bands)

Datum Lgth. Δ	Belt. No.	Wgt. per Band	2-Band P/N	3-Band P/N	4-Band P/N	5-Band P/N
123.3	RDP120 Δ	5.05	**107700**	**107701**	**107702**	**107703**
131.3	RDP128 Δ	5.40				
147.3	RDP144 Δ	6.05	**107708**	**107709**	**107710**	**107711**
161.3	RDP158 Δ	6.65	**107712**	**107713**	**107714**	**107715**
165.3	RDP162 Δ	6.80	**107716**	**107717**	**107718**	**107719**
176.3	RDP173 Δ	7.25	**107720**	**107721**	**107722**	**107723**
183.3	RDP180 Δ	7.50	**107724**	**107725**	**107726**	**107727**
198.3	RDP195 Δ	8.15	**107728**	**107729**	**107730**	**107731**
213.3	RDP210 Δ	8.75	**107732**	**107733**	**107734**	**107735**
225.8	RDP225 Δ	9.30	**107736**	**107737**	**107738**	**107739**
240.8	RDP240 Δ	9.90	**107741**	**107742**	**107743**	**107744**
255.8	RDP255 Δ	10.50	**107745**	**107746**	**107747**	**107748**
270.8	RDP270 Δ	11.15	**107750**	**107751**	**107752**	**107753**
285.8	RDP285 Δ	11.75	**107754**	**107755**	**107756**	**107757**
300.8	RDP300 Δ	12.35	**107759**	**107760**	**107761**	**107762**
315.8	RDP315 Δ	13.00	**107777**	**107778**	**107779**	**107780**
330.8	RDP330 Δ	13.60	**107781**	**107782**	**107783**	**107784**
345.8	RDP345 Δ	14.20	**107695**	**107696**	**107697**	**107698**
360.8	RDP360 Δ	14.85	**107960**	**107961**	**107962**	**107963**
390.8	RDP390 Δ	16.10	**107764**	**107765**	**107766**	**107767**
420.8	RDP420 Δ	17.30	**107769**	**107770**	**107771**	**107772**
450.8	RDP450 Δ	18.55	**107964**	**107965**	**107966**	**107967**
480.8	RDP480 Δ	19.80	**107773**	**107774**	**107775**	**107776**
540.8	RDP540 Δ	22.25		**107968**	**107969**	**107970**
600.8	RDP600 Δ	24.70	**107971**	**107972**	**107973**	**107974**
660.8	RDP660 Δ	27.15	**107975**	**107976**	**107977**	**107978**

Δ Datum Length in inches

SELECTION

Classic Cog Belts



Deliver more horsepower and last longer than conventional belts

- Fully notched cogs for maximum flexibility.
- High coefficient, energy-efficient rubber edge.
- Proven energy-saving design.
- Outlast conventional belts.
- Fewer belts required - drive weight is reduced.
- Matched to MPTA/RMA Standards - No Additional matching or Match Codes Required

Belt No.	Part No.	Wt.	Datum Lgth.
AX BELTS			
AX25	**108867**	.17	26.3
AX26	**108640**	.18	27.3
AX27	**108868**	.19	28.3
AX31	**108641**	.21	32.3
AX32	**108869**	.21	33.3
AX33	**108642**	.22	34.3
AX34	**108643**	.23	35.3
AX35	**108644**	.24	36.3
AX36	**108645**	.24	37.3
AX37	**108646**	.25	38.3
AX38	**108647**	.26	39.3
AX42	**108648**	.28	43.3
AX43	**108649**	.29	44.3
AX46	**108650**	.31	47.3
AX48	**108651**	.32	49.3
AX51	**108652**	.34	52.3
AX53	**108653**	.35	54.3
AX54	**108654**	.36	55.3
AX55	**108655**	.36	56.3
AX56	**108656**	.37	57.3
AX60	**108657**	.40	61.3
AX62	**108658**	.41	63.3
AX64	**108659**	.42	65.3
AX66	**108660**	.43	67.3
AX68	**108661**	.45	69.3
AX70	**108662**	.46	71.3
AX71	**108663**	.47	72.3
AX75	**108664**	.49	76.3
AX78	**108665**	.51	79.3
AX80	**108666**	.52	81.3
AX85	**108667**	.55	86.3
AX90	**108668**	.59	91.3
AX96	**108669**	.62	97.3

Belt No.	Part No.	Wt.	Datum Lgth.
AX BELTS (CON'T)			
AX105	**108670**	.68	106.3
AX110	**108671**	.71	111.3
AX112	**108672**	.73	113.3
AX120	**108673**	.74	121.3
AX128	**108674**	.78	129.3
AX136	**108675**	.98	137.3
BX-BELTS			
BX35	**108676**	.40	36.8
BX38	**108677**	.43	39.8
BX42	**108678**	.48	43.8
BX46	**108679**	.52	47.8
BX48	**108680**	.54	49.8
BX50	**108681**	.56	51.8
BX51	**108682**	.57	52.8
BX52	**108683**	.58	53.8
BX53	**108684**	.59	54.8
BX54	**108685**	.60	55.8
BX55	**108686**	.61	56.8
BX56	**108687**	.62	57.8
BX59	**108688**	.66	60.8
BX60	**108689**	.67	61.8
BX61	**108690**	.68	62.8
BX62	**108691**	.69	63.8
BX63	**108692**	.70	64.8
BX64	**108693**	.71	65.8
BX65	**108694**	.72	66.8
BX66	**108695**	.73	67.8
BX67	**108696**	.74	68.8
BX68	**108697**	.75	69.8
BX70	**108698**	.77	71.8
BX71	**108699**	.78	72.8
BX75	**108700**	.82	76.8
BX77	**108701**	.85	78.8

Belt No.	Part No.	Wt.	Datum Lgth.
BX-BELTS (CON'T)			
BX78	**108702**	.86	79.8
BX79	**108703**	.87	80.8
BX80	**108704**	.88	81.8
BX81	**108705**	.89	82.8
BX82	**108706**	.90	83.8
BX83	**108707**	.91	84.8
BX85	**108708**	.93	86.8
BX90	**108709**	.98	91.8
BX93	**108710**	1.01	94.8
BX95	**108711**	1.03	96.8
BX96	**108712**	1.05	97.8
BX97	**108713**	1.06	98.8
BX99	**108714**	1.08	100.8
BX100	**108715**	1.09	101.8
BX103	**108716**	1.12	104.8
BX105	**108717**	1.14	106.8
BX112	**108718**	1.21	113.8
BX113	**108719**	1.22	114.8
BX116	**108720**	1.26	117.8
BX120	**108721**	1.30	121.8
BX124	**108722**	1.26	125.8
BX128	**108723**	1.30	129.8
BX133	**108724**	1.34	134.8
BX136	**108725**	1.37	137.8
BX144	**108726**	1.45	145.8
BX150	**108727**	1.51	151.8
BX158	**108728**	1.59	159.8
BX162	**108729**	1.63	163.8
BX173	**108730**	1.74	174.8
BX180	**108731**	1.81	181.8
BX195	**108732**	1.96	196.8
BX210	**108733**	2.09	211.8
BX240	**108734**	2.36	240.3

Belt No.	Part No.	Wt.	Datum Lgth.
BX BELTS (CON'T)			
BX270	**108735**	2.65	270.3
BX300	**108637**	3.0	300.3
CX-BELTS			
CX51	**108736**	1.07	53.9
CX60	**108737**	1.24	62.9
CX68	**108738**	1.39	70.9
CX75	**108739**	1.53	77.9
CX81	**108740**	1.64	83.9
CX85	**108741**	1.72	87.9
CX90	**108742**	1.81	92.9
CX96	**108743**	1.93	98.9
CX105	**108744**	2.10	107.9
CX109	**108745**	2.18	111.9
CX112	**108746**	2.24	114.9
CX115	**108747**	2.29	117.9
CX120	**108748**	2.39	122.9
CX128	**108749**	2.42	130.9
CX136	**108750**	2.49	138.9
CX144	**108751**	2.63	146.9
CX150	**108752**	2.74	152.9
CX158	**108753**	2.88	160.9
CX162	**108754**	2.95	164.9
CX173	**108755**	3.15	175.9
CX180	**108756**	3.27	182.9
CX195	**108757**	3.54	197.9
CX210	**108758**	3.77	212.9
CX225	**108896**	4.0	227.9
CX240	**108759**	4.30	240.9
CX270	**108760**	4.83	270.9
CX285	**108638**	4.7	285.9
CX300	**108639**	4.9	300.9
CX330	**108762**	5.3	330.9
CX360	**108764**	5.8	360.9

DODGE

Double-V (Hex) Belts

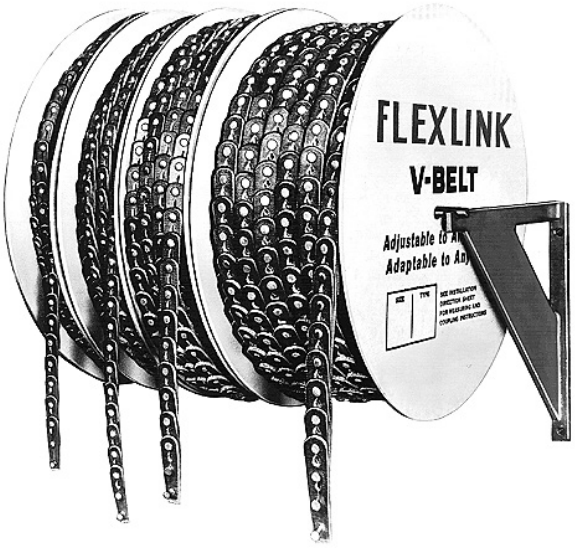
- For Serpentine Drives
- Static Conducting
- Oil Resistant

AA, BB, CC, Double-V (Hex) Belts

Belt No.	Part No.	Wt.	Datum Lgth.	Belt No.	Part No.	Wt.	Datum Lgth.	Belt No.	Part No.	Wt.	Datum Lgth.	Belt No.	Part No.	Wt.	Datum Lgth.
AA BELTS				BB BELTS (CON'T.)				BB BELTS (CON'T.)				CC BELTS			
AA51	**109125**	0.50	53.1	BB73	**109209**	3.30	75.9	BB140	**109223**	2.00	142.9	CC75	**109235**	1.72	79.2
AA55	**109087**	0.60	57.1	BB74	**109210**	1.20	76.9	BB144	**109091**	2.00	146.9	CC81	**109153**	1.80	85.2
AA60	**109126**	0.50	62.1	BB75	**109138**	1.00	77.9	BB155	**109202**	2.00	157.9	CC85	**109154**	1.90	89.5
AA62		0.50	64.1	BB76		1.00	78.9	BB157		2.10	159.9	CC90	**109155**	2.00	94.2
AA64	**109120**	0.70	66.1	BB77		1.10	79.9	BB158	**109092**	2.10	160.9	CC96	**109156**	2.20	100.2
AA66	**109121**	0.70	68.1	BB81	**109139**	1.10	83.9	BB160		2.20	162.9	CC105	**109157**	2.40	109.2
AA68	**109127**	0.50	70.1	BB83	**109211**	1.10	85.9	BB162		2.20	164.9	CC112	**109158**	2.50	116.2
AA70	**109122**	0.70	72.1	BB85	**109140**	1.20	87.9	BB168		2.30	170.9	CC119		2.60	123.2
AA75	**109128**	0.60	77.1	BB89		1.20	91.9	BB169		2.30	171.9	CC120	**109159**	2.70	124.2
AA78	**109123**	0.90	80.1	BB90	**109141**	1.20	92.9	BB170		2.30	172.9	CC128	**109160**	2.90	132.2
AA80	**109129**	0.60	82.1	BB92	**109197**	1.20	94.9	BB173	**109093**	2.30	175.9	CC136	**109236**	3.26	140.2
AA85	**109130**	0.71	87.1	BB93	**109198**	1.20	95.9	BB180	**109094**	2.40	182.9	CC144	**109161**	3.20	148.2
AA90	**109131**	0.80	92.1	BB94	**109199**	1.20	96.9	BB182		2.40	184.9	CC148	**109237**	3.54	152.2
AA92		0.80	94.1	BB96		1.30	98.9	BB190		2.60	192.9	CC158	**109162**	3.50	162.2
AA96	**109132**	0.80	98.1	BB97	**109142**	1.30	99.9	BB195	**109148**	2.60	197.9	CC162	**109163**	3.80	166.2
AA105	**109133**	0.90	107.1	BB103	**109213**	1.66	105.9	BB210	**109149**	2.60	212.9	CC173	**109164**	3.80	177.2
AA112	**109134**	0.80	114.1	BB105	**109143**	1.40	107.9	BB225		3.00	226.4	CC180	**109165**	4.00	184.2
AA120	**109135**	0.90	122.1	BB107	**109214**	1.71	109.9	BB226	**109203**	3.00	227.4	CC195	**109166**	4.30	199.2
AA128	**109136**	0.90	130.1	BB108	**109215**	1.74	110.9	BB228	**109204**	3.00	229.4	CC210	**109167**	4.70	214.2
BB-BELTS				BB111	**109200**	1.40	113.9	BB230	**109205**	3.10	231.4	CC225		5.20	229.2
BB42	**109192**	0.60	44.9	BB112	**109144**	1.60	114.9	BB240	**109150**	3.20	241.4	CC240	**109168**	5.20	242.2
BB43	**109193**	0.60	45.9	BB116	**109216**	1.60	118.9	BB250		3.20	251.4	CC255		5.90	259.2
BB45	**109206**	0.60	47.9	BB117		1.60	119.9	BB267		3.20	268.4	CC270	**109169**	5.90	272.2
BB51	**109088**	0.80	53.9	BB118	**109218**	1.90	120.9	BB270	**109151**	3.60	271.4	CC300	**109170**	6.50	302.2
BB53		0.80	55.9	BB120	**109145**	1.60	122.9	BB273		3.60	274.4	CC330	**109171**	7.20	332.2
BB54		0.80	56.9	BB122		1.70	124.9	BB277		3.60	278.4	CC360	**109172**	7.80	362.2
BB55	**109089**	0.80	57.9	BB123	**109219**	1.70	125.9	BB278		3.70	279.4	CC390	**109189**	8.50	392.2
BB60	**109090**	0.90	62.9	BB124	**109220**	1.70	126.9	BB285		3.90	286.4	CC420	**109188**	9.10	422.2
BB64		0.90	66.9	BB128	**109146**	1.80	130.9	BB300		4.00	301.4				
BB68	**109137**	0.90	70.9	BB129	**109221**	1.80	131.9	BB360		4.50	3614				
BB71	**109196**	1.00	73.9	BB130	**109222**	1.80	132.9								
BB72	**109208**	1.17	74.9	BB136	**109201**	1.80	138.9								

SELECTION

FLEXLINK Belting



Belt Selection	Belt Width	Min. Recommended Sheave Pitch Dia.	Part No. Per Foot*	Wt. Per Ft.
0/3L	3/8	2”	**109076**	.14
A/4L	1/2	2”	**109084**	.15
B/5L	21/32	4”	**109085**	.19
C	7/8	6”	**109086**	.35

* 100 Ft reel available

FLEXLINK BELT APPLICATION GUIDELINES

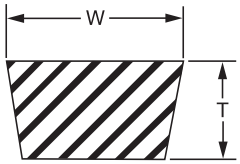
1. To obtain link belt length, multiply desired pitch length by .916. This provides correct belt length for initial run-in and seating of belt.
2. For matched sets of link belts, use the same number of links on each belt.
3. Do not use link belting above 5000 FPM belt speed.
   Belt speed = .262 x RPM x pitch diameter of sheave.
4. **Note:** Link belting is not static conducting.
   Important -
   For matched sets of link belts use same number of links on each belt.

- Fast installation, installs in a snap
- Adjustable to any length, adaptable to any drive
- Reduces vibration
- Long-lasting construction
- Reduces inventory - one reel can replace many sizes of standard belting
- Oil proof construction
- Order by the foot or by the reel.

DODGE

FHP Belts

- Oil Resistant
- Static Conducting
- For Fractional HP Single Drive Belts
- Belt Number Indicates Pi8tch Length (eg 4L270 = 27")



Belt Sect.	W	T
3L	3/8	7/32
4L	1/2	5/16
5L	21/32	3/8

3L, 4L, 5L FHP Belts

Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.
3L BELTS			3L BELTS (CON'T)			4L BELTS (CON'T.)			5L BELTS (CON'T.)		
3L150	**108150**	.05	3L620	**108604**	.19	4L590	**108043**	.32	5L400	**108096**	.38
3L160	**108151**	.05	3L630	**108805**	.19	4L600	**108044**	.33	5L410	**108097**	.38
3L170	**108152**	.05	4L BELTS			4L610	**108045**	.33	5L420	**108098**	.40
3L180	**108153**	.06	4L170	**108614**	.09	4L620	**108046**	.34	5L430	**108099**	.41
3L190	**108154**	.06	4L180	**108001**	.09	4L630	**108047**	.35	5L440	**108100**	.42
3L200	**108155**	.06	4L188	**108836**	.09	4L640	**108048**	.35	5L450	**108101**	.43
3L210	**108156**	.06	4L190	**108002**	.10	4L650	**108049**	.36	5L460	**108102**	.44
3L220	**108157**	.07	4L200	**108003**	.10	4L660	**108050**	.36	5L470	**108103**	.45
3L230	**108158**	.07	4L210	**108004**	.11	4L670	**108051**	.37	5L480	**108104**	.46
3L240	**108159**	.07	4l220	**108005**	.11	4L680	**108052**	.37	5L490	**108105**	.47
3L250	**108160**	.08	4L230	**108006**	.12	4L690	**108053**	.38	5L500	**108106**	.48
3L260	**108161**	.08	4L240	**108007**	.12	4L700	**108054**	.38	5L510	**108107**	.49
3L270	**108162**	.08	4L250	**108008**	.13	4L710	**108055**	.39	5L520	**108108**	.50
3L280	**108163**	.09	4L260	**108009**	.13	4L720	**108056**	.40	5L530	**108109**	.51
3L290	**108164**	.09	4L270	**108010**	.14	4L730	**108057**	.40	5L540	**108110**	.52
3L300	**108165**	.09	4L275	**108841**	.14	4L740	**108058**	.41	5L550	**108111**	.53
3L310	**108166**	.10	4L280	**108011**	.15	4L750	**108059**	.41	5L560	**108112**	.54
3L320	**108167**	.10	4L290	**108012**	.16	4L760	**108060**	.42	5L570	**108113**	.55
3L330	**108168**	.10	4L300	**108013**	.16	4L770	**108061**	.42	5L575	**108873**	.55
3L340	**108169**	.10	4L310	**108014**	.17	4L780	**108062**	.43	5L580	**108114**	.56
3L350	**108170**	.11	4L320	**108015**	.18	4L790	**108063**	.43	5L590	**108115**	.57
3L360	**108171**	.11	4L330	**108016**	.18	4L800	**108064**	.44	5L600	**108116**	.58
3L370	**108172**	.11	4L340	**108018**	.19	4L810	**108615**	.44	5L610	**108117**	.59
3L380	**108173**	.12	4L350	**108019**	.19	4L820	**108065**	.45	5L620	**108118**	.60
3L390	**108174**	.12	4L360	**108020**	.20	4L830	**108616**	.46	5L630	**108119**	.61
3L400	**108175**	.12	4L370	**108021**	.20	4L840	**108066**	.46	5L640	**108120**	.61
3L410	**108176**	.13	4L380	**108022**	.21	4L850	**108617**	.47	5L650	**108121**	.62
3L420	**108177**	.13	4L390	**108023**	.21	5L BELTS			5L660	**108122**	.63
3L430	**108178**	.13	4L400	**108024**	.22	5L230	**108625**	.21	5L670	**108123**	.64
3L440	**108179**	.14	4L410	**108025**	.23	5L240	**108080**	.20	5L680	**108124**	.65
3L450	**108180**	.14	4L420	**108026**	.23	5L250	**108081**	.20	5L690	**108125**	.66
3L460	**108181**	.14	4L430	**108027**	.24	5L260	**108082**	.20	5L700	**108126**	.67
3L470	**108182**	.15	4L440	**108028**	.24	5L265	**108070**	.21	5L710	**108127**	.68
3L480	**108183**	.15	4L450	**108029**	.25	5L270	**108083**	.21	5L720	**108128**	.69
3L490	**108184**	.15	4L460	**108030**	.25	5L280	**108084**	.22	5L730	**108129**	.70
3L500	**108185**	.15	4L470	**108031**	.26	5L290	**108085**	.23	5L740	**108130**	.71
3L510	**108186**	.16	4L480	**108032**	.26	5L300	**108086**	.24	5L750	**108131**	.72
3L520	**108187**	.16	4L490	**108033**	.27	5L310	**108087**	.24	5L760	**108132**	.73
3L530	**108188**	.16	4L500	**108034**	.27	5L320	**108088**	.25	5L770	**108133**	.74
3L540	**108189**	.17	4L510	**108035**	.28	5L330	**108089**	.26	5L780	**108134**	.75
3L550	**108190**	.17	4L520	**108036**	.29	5L340	**108090**	.27	5L790	**108826**	.76
3L560	**108191**	.17	4L530	**108037**	.29	5L350	**108091**	.28	5L800	**108135**	.77
3L570	**108192**	.18	4L540	**108038**	.30	5L360	**108092**	.28	5L810	**108827**	.78
3L580	**108193**	.18	4L550	**108039**	.30	5L365	**108872**	.29	5L820	**108136**	.79
3L590	**108194**	.18	4L560	**108040**	.31	5L370	**108093**	.29	5L830	**108328**	.80
3L600	**108195**	.19	4L570	**108041**	.31	5L380	**108094**	.37	5L840	**108137**	.81
3L610	**108196**	.19	4L580	**108042**	.32	5L390	**108095**	.37	5L850	**108629**	.82

SELECTION

DODGE

Stock D-V Wedge Drives: Standard Motor Speeds

Step 1 - Determine Service Factor. Refer to Typical Service Factors, Table 2. Locate type of Driven and Driver equipment. (If an idler is used, increase the factor by value indicated.) Correct factor is determined by: 1. The extent and frequency of peak loads. 2. Number of operating hours/year (broken down in average hours/day of continuous service). 3. Proper service category (Intermittent, Normal or Continuous). Select the one closest to the application conditions.

Step 2 - Compute Design HP. Multiply normal running HP required or nameplate rating by service factor obtained in Step 1.

Step 3 - Choose Belt Section. Using Table 1, below, read up from design hp figure obtained in Step 2 and over from the rpm of faster shaft. This intersection indicates belt section.

Step 4 - Select the Drive. a). Using belt section from Step 3, refer to Stock Drive Selection Tables beginning on page PT7-48. **b**). Under appropriate driver speed column find Driven RPM nearest to the desired speed. To the right note HP per Belt. Read left for Driver/Driven Sheave information. (If driver is an electric motor be sure motor sheave diameter is not less than shown in Table 3.) **c**). Read onto opposite page and find figure nearest the required center distance. Note Arc-Length Correction Factor in the shaded row below the C.D. figure. **d**). Read to the top of the table for the belt size. **e**). To determine number of belts, multiply the HP per Belt value by the ArcLength Correction Factor. This is the corrected HP/belt. Divide design HP by corrected HP figure to determine number of belts required.

EXAMPLE OF SELECTION

Select a D-V Wedge drive for a positive blower, with a 2-15/16" shaft, to run @ 290 rpm, driven by a 30 hp, 1160 squirrel cage electric motor with a 2-1/8" shaft. Desired center distance is 26". Service is continuous.

Step 1 - Service factor from Table 2 is 1.4.

Step 2 - Design HP = 1.4x30 = 42 HP.

Step 3 - A 5V belt section is shown in Table 1 when reading to the right of 1160 rpm and up from 42 design HP.

Step 4 - Turn to 5V Stock Drive Selection Tables. On page PT7-86, under 1160 RPM Driver, read down to find 290 rpm. The nearest appears as 291.

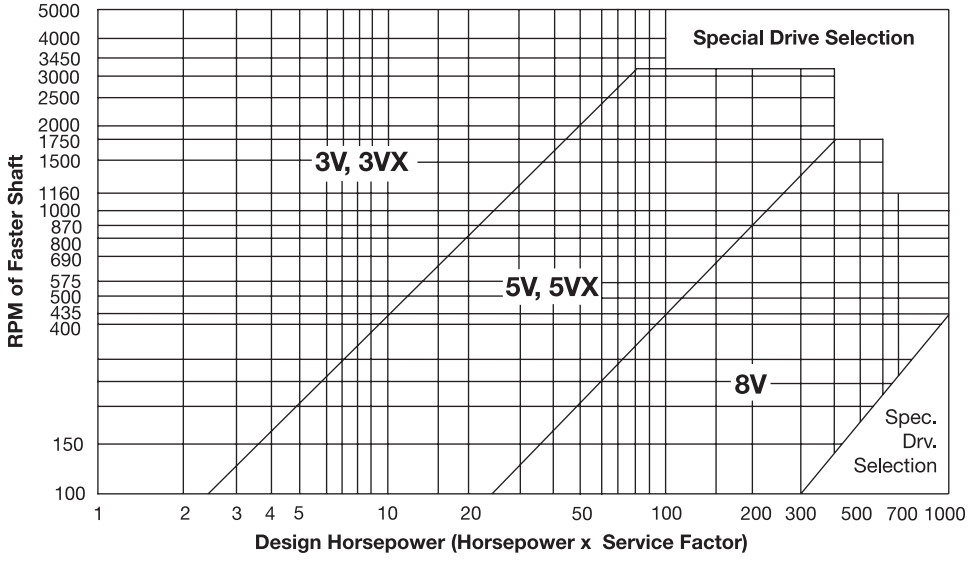
Note HP/belt as 12.8 for all D-V and Polyband belts over 200" and 15.4 for Polyband belts under 200". Also note sheaves listed as 7.1 Driver, 28.0 Driven. Table 3 shows driver is not undersize. Reading toward the right the C.D. figure nearest 26, is 26.4. The correction factor below the C.D. figure is .92. Top of table shows belt size as 5VX 1120.

The HP/belt for D-V is 15.4. This value x the .92 factor = 14.2 corrected hp/belt. 42 HP÷14.20 = 2.96. Going to the next whole number, drive requires 3 belts. (Center to center operating distance is 26.4 nominal.)

Order: 1. 3-5VX 1120 D-V belts. **2.** 1 - 3/5V7.1-2517 TAPER-LOCK Sheave. **3.** 1 - 2-1/8, bore 2517 bushing.

4. 1 - 3/5V28.0-3535 TAPER-LOCK Sheave. 5. 1 - 2-15/16, bore 3535 bushing.

Table 1 - Narrow Cross Section Selection Chart



NOTE: Selection program VIA-VISA available at www.ptwizard.com.

Service Factor

Table 2 - Typical Service Factors

Driven Machine Types Note: Certain machines may require flywheel sheaves or special construction to withstand heavy shock loads. Consult Mfg'r.	Driver: Normal Torque NEMA Des. A or B Motors DC Shunt Wound Motors Multi-Cylinder Engines Service*			Driver: High Torque NEMA Des. C or D Motors DC Series Wound Motors Single Cylinder Engines Service*			
	Intermit.	Normal	Contin.	Intermit.	Normal	Cont.	
Agitators for Liquids Blowers and Exhausters Centrif. Pumps, Compressors Fans up to 10HP Light Duty Conveyors	**1.0**	**1.1**	**1.2**	**1.1**	**1.2**	**1.3**	*** Note:** Intermittent: Up to 6 Hrs./Day Normal: 6-16 Hrs./Day Continuous: 16-24 Hrs./Day Adder for Idlers: Outside on slack side . . . . . 0.1 Inside on tight side . . . . . 0.1 Outside on tight side 0.2
Belt Conveyors, Bulk Mat'l Dough Mixers Fans over 10 HP Generators Line Shafts Laundry Machinery Machine Tools Punches, Presses, Shears Printing Machinery Positive Displ. Rotary Pumps Revolving & Vibrating Screens	**1.1**	**1.2**	**1.3**	**1.2**	**1.3**	**1.4**	
Brick Machinery Bucket Elevators Exciters Piston Compressors Conveyors: Drag, Pan, Screw Paper Mill Beaters Piston Pumps Pos. Displacement Blowers Pulverizers Saw Mill, Woodworking Mach'y Textile Machinery	**1.2**	**1.3**	**1.4**	**1.4**	**1.5**	**1.6**	
Crushers: Gyratory, Jaw, Roll Mills: Ball, Rod, Tube Hoists Rubber Calendars, Extruders, Mills	**1.3**	**1.4**	**1.5**	**1.6**	**1.7**	**1.8**	
Chokable Equipment, Fire Hazard	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	

Table 3 - NEMA Min. Sheave Dia. for D-V Wedge Drives

Motor		Motor Horsepower																								
RPM	Sheave	1/2	3/4	1	1-1/2	2	3	5	7-1/2	10	15	20	25	30	40	50	60	75	100	125	150	200	250	300	350	400
870	Min O.D.	2.2	2.4	2.4	2.4	3.0	3.0	3.8	4.4	5.2	6.0	6.8	6.8	6.8	8.2	8.4	10.0	9.5	12.0	12.5	13.2	13.2	15.0	. . .	. . .	. . .
	Max F.W.	2.3	2.3	2.8	2.8	3.4	3.4	4.0	4.0	4.7	4.7	5.3	5.3	5.9	5.9	7.3	7.3	8.5	8.5	8.5	11.6	11.6	11.6	. . .	. . .	. . .
1160	Min O.D.	. . .	2.2	2.4	2.4	2.4	3.0	3.0	3.8	4.4	4.4	5.2	6.0	6.8	6.8	8.2	9.0	10.0	10.0	12.0	13.2	13.2	13.2	15.0	14.1	. . .
	Max F.W.	. . .	2.3	2.3	2.8	2.8	3.4	3.4	4.0	4.0	4.7	4.7	5.3	5.3	5.9	5.9	7.3	7.3	8.5	8.5	8.5	11.6	11.6	11.6	11.6	. . .
1750	Min O.D.	. . .	. . .	2.2	2.4	2.4	2.4	3.0	3.0	3.8	4.4	4.4	4.4	5.2	6.0	6.8	7.4	8.6	8.6	10.5	10.5	13.2	13.2	13.2	13.2	14.1
	Max F.W.	. . .	. . .	2.3	2.3	2.3	2.8	2.8	3.4	3.4	4.0	4.0	4.7	4.7	5.3	5.3	5.9	5.9	7.3	7.3	8.5	9.4	9.4	11.6	11.6	11.6
3500	Min O.D.	. . .	. . .	. . .	2.2	2.4	2.4	3.0	3.8	4.4	4.4	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
	Max F.W.	. . .	. . .	. . .	2.3	2.3	2.8	2.8	3.4	4.0	4.0	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .

Data in unshaded area is per NEMA Standard MG1-14.42

Data in shaded area subject to approval of motor manufacturer

F.W. = Face Width of sheave

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

Stock D-V Wedge Drives: Non-Standard Motor Speeds & Speed-Up Drives.

For Speeds Other Than Standard Motor Speeds:

Step 1 - Determine Speed Ratio = $\left(\frac{\text{Driver RPM}}{\text{Driven RPM}}\right)$

Step 2 - Compute Design HP. Multiply normal running HP required or nameplate rating by service factor from Table 2.

Step 3 - Determine Maximum Diameter of Driver Sheave

@ 6500 FPM : O.D. = $\frac{\text{6500 FPM}}{\text{0.262* RPM}}$

Step 4 - Select Belt Cross Section. Using Table 1, read up from design HP figure obtained in Step 2 and over from the RPM of faster shaft. This intersection indicates belt section.

Step 5 - Select Drive. Using the belt section from Step 4, make a tentative sheave selection from **stock drive tables**. (Note that several choices are available in the ratio obtained from Step 1. Other choices close to this ratio may also produce a functional drive.) Read onto opposite page and find figure nearest the required center distance. The Arc-Length correction factor is listed in the shaded row below the C.D. figure. Read to the top of the table for the belt size.

Step 6 - Size the Drive. From basic horsepower tables locate HP rating at intersection of RPM of faster shaft row and small sheave column. To this, add the "additional HP" figure based on drive ratio. This becomes the rated HP. Multiply this sum by the arc-length correction factor noted in Step 5. This becomes the corrected HP per belt. To find

Required number of belts : $\frac{\text{Design HP}}{\text{Correction HP/Belt}}$

EXAMPLE OF SELECTION

A V-drive is needed for a 30 HP 2200 RPM gasoline engine, with a 2-1/4" dia. shaft, driving a generator, with a 2-7/16" dia. shaft, @ 1800 RPM. It runs 8 hrs. a day. Center distance is 31".

Step 1 - Speed Ratio = $\frac{2200}{1785}$ = 1.23

Step 2 - Service Factor = 1.2 Design HP = 30 x 1.2 = 36

Step 3 - Driver Sheave Max. Dia. = $\frac{6500}{.262 \times 2200}$ = 11.3

Step 4 - Belt Cross Section = Table 1 indicates 3VX.

Step 5 - In 3VX Stock Drive Selection Tables on pages PT7-66 and PT7-67, find the 1.23 ratio obtained in the Step 1 calculation. At the top of page PT7-64, the most economical drive is shown as 6.5 Driver, 8.0 Driven. The C.D. nearest 31" is 31.1. The correction factor below the C.D. figure is 1.05. Top of the column shows a 3VX850 belt. Refer to Basic HP Tables on page PT7-80 and PT7-81. From the 2200 RPM of faster shaft row and down from the 6.5 smaller sheave heading: 10.2 HP/belt plus an additional hp of .23 in the 1.19 thru 1.26 ratio column. The sum = 10.43 HP/belt x 1.05 arc length correction factor = 10.95 HP/belt.

Number of belts = $\frac{36}{10.95}$ = 3.28 or 4 belts

Order: 1- 4 groove 3V 6.5 TAPER-LOCK Sheave, 1-2517 2-1/4" bore bushing, 1-4 groove 8.0 TAPER-LOCK Sheave, 1-2517 2-7/16" bore bushing, 4-3VX850 D-V Wedge Belts.

Example of a 3V Speed-Up Drive

A 20 HP 1750 RPM AC motor, with a 1-5/8" dia. shaft, is to drive a blower, with a 1-7/16" shaft, @ 2500 RPM. The center distance = 26". Equipment runs 24 hrs./day.

1. Service Factor from Table 2 is 1.2.
2. Design HP=20x1.2=24 HP
3. Speed Ratio = $\frac{2500}{1750}$ = 1.43
4. In Stock Drive Table, under 1.43 ratio, sheaves are listed as 5.6 Driver/8.0 Driven. (In a speed-up drive, the 5.6 sheave becomes the Driven, the 8.0 the Driver.) The opposite page of the table shows the closest center distance as 26.8 with an arc correction factor of 1.03. Belt shown at top of column is 3VX750.
5. From Basic Horsepower Tables a 5.6 sheave @ 2500 RPM = (9.46 + .37) = 9.83. 9.83 X 1.03 arc length correction factor = 10.12 corrected HP/belt.
6. Number of Belts = $\frac{\text{Design HP}}{\text{Corrected HP}} = \frac{24}{10.12}$ = 2.37 or 3 belts.
7. Order: 1-3 groove 3V 8.0 TAPER-LOCK Sheave, 1-15/8" bore 2517 bushing, 1-3 groove 3V 5.6 TAPER-LOCK Sheave, 1-17/16" bore 1610 bushing, 3-3VX750 D-V belts.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

Table 4 - Narrow Belt Length Correction Factors

Belt Lgth. *	Factor for Belts:			Belt Lgth.	Factor for Belts:		
	3VX	5V, 5VX	8V, 8VX		3VX	5V, 5VX	8V, 8VX
25	.83	...	...	118	1.12	.99	.89
26.5	.84	...	...	125	1.13	1.00	.90
28	.85	...	...	132	1.14	1.01	.91
30	.86	...	...	140	1.15	1.02	.92
31.5	.87	...	...	150	1.16	1.03	.93
33.5	.88	...	...	160	...	1.04	.94
35.5	.89	..	...	170	...	1.05	.94
37.5	.90	..	...	180	...	1.06	.95
40	.92	...	...	190	...	1.07	.96
42.5	.93	...	...	200	...	1.08	.97
45	.94	...	...	212	...	1.09	.98
47.5	.95	...	...	224	...	1.09	.98
50	.96	.85	...	236	...	1.10	.99
53	.97	.86	...	250	...	1.11	1.00
56	.98	.87	...	265	...	1.12	1.01
60	.99	.88	...	280	...	1.13	1.02
63	1.00	.89	...	300	...	1.14	1.03
67	1.01	.90	...	315	...	1.15	1.03
71	1.02	.91	...	335	...	1.16	1.04
75	1.03	.92	...	355	...	1.17	1.05
80	1.04	.93	...	375	...	...	1.06
85	1.06	.94	...	400	...	...	1.07
90	1.07	.95	...	425	...	...	1.08
95	1.08	.96	...	450	...	..	1.09
100	1.09	.96	.87	475	...	...	1.09
106	1.10	.97	.88	500	...	...	1.10
112	1.11	.98	.88	560	...	...	1.11

* Outside circumference in inches

Table 5 - Arc Correction Factors

D-d ‡ C	Approx. Arc of Contact on Small Shv.	Factor
.00	180°	1.00
.10	174°	.99
.20	169°	.97
.30	163°	.96
.40	157°	.94
.50	151°	.93
.60	145°	.91
.70	139°	.89
.80	133°	.87
.90	127°	.85
1.00	120°	.82
1.10	113°	.80
1.20	106°	.77
1.30	99°	.73
1.40	91°	.70
1.50	83°	.65

‡ D = Dia. of large sheave
d = Dia. of small sheave
C = Center distance

NOTE: To determine required belt length when center distance and sheave diameters are known, use the following formula.

$$L = 2C + 1.57\,(D + d) + \frac{(D - d)^2}{4c}$$

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

3VX STOCK DRIVE SELECTIONS

Speed Ratio	Stock Sheaves Diameter		3500 RPM Driver		1750 RPM Driver		1160 RPM Driver		Belt Number and Approx. Center Distance							
	Driver	Driven	Driven RPM	HP/Belt 3VX	Driven RPM	HP/Belt 3VX	Driven RPM	HP/Belt 3VX	3VX 250	3VX 265	3VX 280	3VX 300	3VX 315	3VX 335	3VX 355	3VX 375
	2.65	2.65	3500	3.78	1750	2.15	1160	1.52	8.3	9.1	9.8	10.8	11.6	12.6	13.6	14.6
	2.80	2.80	3500	4.25	1750	2.41	1160	1.69	8.1	8.9	9.6	10.6	11.4	12.4	13.4	14.4
	3.00	3.00	3500	4.88	1750	2.75	1160	1.93	7.8	8.5	9.3	10.3	11.0	12.0	13.0	14.0
	3.15	3.15	3500	5.34	1750	3.01	1160	2.10	7.6	8.3	9.1	10.1	10.8	11.8	12.8	13.8
	3.35	3.35	3500	5.96	1750	3.34	1160	2.34	7.2	8.0	8.7	9.7	10.5	11.5	12.5	13.5
	3.65	3.65	3500	6.86	1750	3.85	1160	2.68	6.8	7.5	8.3	9.3	10.0	11.0	12.0	13.0
	4.12	4.12	3500	8.24	1750	4.63	1160	3.22	6.0	6.8	7.5	8.5	9.3	10.3	11.3	12.3
	4.50	4.50	3500	9.32	1750	5.25	1160	3.65	...	6.2	6.9	7.9	8.7	9.7	10.7	11.7
1.00	4.75	4.75	3500	10.01	1750	5.65	1160	3.93	...	5.8	6.5	7.5	8.3	9.3	10.3	11.3
	5.00	5.00	3500	10.68	1750	6.06	1160	4.21	...	...	6.2	7.2	7.9	8.9	9.9	10.9
	5.30	5.30	3500	11.48	1750	6.53	1160	4.55	...	...	...	6.7	7.4	8.4	9.4	10.4
	5.60	5.60	3500	12.25	1750	7.01	1160	4.88	...	...	...	...	7.0	8.0	9.0	10.0
	6.00	6.00	3500	13.24	1750	7.63	1160	5.32	...	...	...	..	...	7.3	8.3	9.3
	6.50	6.50	3500	14.41	1750	8.40	1160	5.87	...	...	...	..	...	...	7.5	8.5
	6.90	6.90	3500	15.30	1750	9.01	1160	6.30	...	...	...	..	...	...	...	7.9
	8.00	8.00	3500	17.48	1750	10.64	1160	7.47	...	...	...	...	..	...	...	...
	10.60	10.60	3500	20.91	1750	14.22	1160	10.13	...	...	...	...	...	...	...	...
1.05	3.00	3.15	3331	5.00	1665	2.81	1104	1.97	7.7	8.4	9.2	10.2	10.9	11.9	12.9	13.9
	4.75	5.00	3323	10.13	1662	5.72	1101	3.97	...	...	6.3	7.3	8.1	9.1	10.1	11.1
	2.65	2.80	3309	3.91	1655	2.22	1097	1.56	8.2	9.0	9.7	10.7	11.5	12.5	13.5	14.5
	3.15	3.35	3288	5.49	1644	3.08	1090	2.15	7.4	8.1	8.9	9.9	10.6	11.6	12.6	13.6
1.06	4.50	4.75	3314	9.45	1657	5.31	1098	3.70	...	6.0	6.7	7.7	8.5	9.5	10.5	11.5
	5.00	5.30	3300	10.82	1650	6.13	1094	4.26	...	...	...	6.9	7.7	8.7	9.7	10.7
	5.30	5.60	3311	11.61	1655	6.60	1097	4.59	...	...	...	...	7.2	8.2	9.2	10.2
	6.50	6.90	3296	14.55	1648	8.48	1092	5.91	...	...	...	...	...	...	...	8.2
1.07	2.80	3.00	3263	4.42	1631	2.49	1081	1.75	7.9	8.7	9.4	10.4	11.2	12.2	13.2	14.2
	5.60	6.00	3265	12.41	1632	7.09	1082	4.93	...	...	...	...	...	7.6	8.6	9.6
1.08	6.00	6.50	3229	13.42	1614	7.73	1070	5.38	...	...	...	..	...	...	7.9	8.9
1.09	3.35	3.65	3208	6.15	1604	3.44	1063	2.40	7.0	7.8	8.5	9.5	10.3	11.3	12.3	13.3
	4.12	4.50	3201	8.44	1601	4.73	1061	3.29	5.7	6.5	7.2	8.2	9.0	10.0	11.0	12.0
ARC-LENGTH CORRECTION FACTOR —>									**.83**	**.84**	**.85**	**.86**	**.87**	**.88**	**.89**	**.90**
1.11	4.50	5.00	3146	9.55	1573	5.36	1043	3.73	...	5.8	6.5	7.5	8.3	9.3	10.3	11.3
	3.00	3.35	3129	5.12	1564	2.87	1037	2.01	7.5	8.3	9.0	10.0	10.8	11.8	12.8	13.8
1.12	4.75	5.30	3133	10.24	1567	5.77	1038	4.01	...	...	6.1	7.1	7.9	8.9	9.9	10.9
	5.00	5.60	3122	10.93	1561	6.18	1035	4.29	...	...	...	6.7	7.4	8.4	9.4	10.4
	2.65	3.00	3085	4.04	1542	2.28	1022	1.60	8.1	8.8	9.6	10.6	11.3	12.3	13.3	14.3
1.13	2.80	3.15	3105	4.50	1552	2.53	1029	1.78	7.8	8.6	9.3	10.3	11.1	12.1	13.1	14.1
	3.65	4.12	3096	7.12	1548	3.98	1026	2.77	6.4	7.1	7.9	8.9	9.6	10.6	11.6	12.6
	5.30	6.00	3088	11.74	1544	6.66	1024	4.63	...	...	..	...	6.9	7.9	8.9	9.9
1.15	4.12	4.75	3031	8.53	1515	4.77	1005	3.32	..	6.3	7.0	8.0	8.8	9.8	10.8	11.8
	6.00	6.90	3040	13.52	1520	7.78	1008	5.41	...	...	..	...	...	...	7.6	8.6
	3.15	3.65	3014	5.64	1507	3.15	999	2.20	7.2	7.9	8.7	9.7	10.4	11.4	12.4	13.4
1.16	5.60	6.50	3012	12.54	1506	7.16	998	4.98	...	...	...	...	...	7.2	8.2	9.2
	6.90	8.00	3016	15.59	1508	9.16	999	6.40	...	...	..	...	...	...	...	...
1.18	4.50	5.30	2967	9.63	1483	5.41	983	3.76	...	...	6.3	7.3	8.0	9.0	10.0	11.0
	4.75	5.60	2964	10.33	1482	5.81	982	4.04	...	...	...	6.9	7.6	8.6	9.6	10.6
1.19	2.65	3.15	2935	4.11	1468	2.32	973	1.63	7.9	8.7	9.4	10.4	11.2	12.2	13.2	14.2
1.20	2.80	3.35	2917	4.59	1458	2.58	967	1.81	7.7	8.4	9.2	10.2	10.9	11.9	12.9	13.9
	5.00	6.00	2912	11.03	1456	6.23	965	4.33	...	...	...	...	7.1	8.1	9.1	10.1
1.22	3.00	3.65	2868	5.24	1434	2.93	951	2.05	7.3	8.0	8.8	9.8	10.5	11.5	12.5	13.5
	4.12	5.00	2878	8.59	1439	4.80	954	3.34	...	6.1	6.8	7.8	8.6	9.6	10.6	11.6

Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

3VX STOCK DRIVE SELECTIONS

Speed Ratio	Belt Number and Approx. Center Distance																							
	3VX 400	3VX 425	3VX 450	3VX 475	3VX 500	3VX 530	3VX 560	3VX 600	3VX 630	3VX 670	3VX 710	3VX 750	3VX 800	3VX 850	3VX 900	3VX 950	3VX 1000	3VX 1060	3VX 1120	3VX 1180	3VX 1250	3VX 1320	3VX 1400	3VX 1500
	15.8	17.1	18.3	19.6	20.8	22.3	23.8	25.8	27.3	29.3	31.3	33.3	35.8	38.3	40.8	43.3	45.8	48.8	51.8	55	58	62	66	71
	15.6	16.9	18.1	19.4	20.6	22.1	23.6	25.6	27.1	29.1	31.1	33.1	35.6	38.1	40.6	43.1	45.6	48.6	51.6	55	58	62	66	71
	15.3	16.5	17.8	19.0	20.3	21.8	23.3	25.3	26.8	28.8	30.8	32.8	35.3	37.8	40.3	42.8	45.3	48.3	51.3	54	58	61	65	70
	15.1	16.3	17.6	18.8	20.1	21.6	23.1	25.1	26.6	28.6	30.6	32.6	35.1	37.6	40.1	42.6	45.1	48.1	51.1	54	58	61	65	70
	14.7	16.0	17.2	18.5	19.7	21.2	22.7	24.7	26.2	28.2	30.2	32.2	34.7	37.2	39.7	42.2	44.7	47.7	50.7	54	57	61	65	70
	14.3	15.5	16.8	18.0	19.3	20.8	22.3	24.3	25.8	27.8	29.8	31.8	34.3	36.8	39.3	41.8	44.3	47.3	50.3	53	57	60	64	69
	13.5	14.8	16.0	17.3	18.5	20.0	21.5	23.5	25.0	27.0	29.0	31.0	33.5	36.0	38.5	41.0	43.5	46.5	49.5	53	56	60	64	69
	12.9	14.2	15.4	16.7	17.9	19.4	20.9	22.9	24.4	26.4	28.4	30.4	32.9	35.4	37.9	40.4	42.9	45.9	48.9	52	55	59	63	68
1.00	12.5	13.8	15.0	16.3	17.5	19.0	20.5	22.5	24.0	26.0	28.0	30.0	32.5	35.0	37.5	40.0	42.5	45.5	48.5	52	55	59	63	68
	12.2	13.4	14.7	15.9	17.2	18.7	20.2	22.2	23.7	25.7	27.7	29.7	32.2	34.7	37.2	39.7	42.2	45.2	48.2	51	55	58	62	67
	11.7	12.9	14.2	15.4	16.7	18.2	19.7	21.7	23.2	25.2	27.2	29.2	31.7	34.2	36.7	39.2	41.7	44.7	47.7	51	54	58	62	67
	11.2	12.5	13.7	15.0	16.2	17.7	19.2	21.2	22.7	24.7	26.7	28.7	31.2	33.7	36.2	38.7	41.2	44.2	47.2	50	54	57	61	66
	10.6	11.8	13.1	14.3	15.6	17.1	18.6	20.6	22.1	24.1	26.1	28.1	30.6	33.1	35.6	38.1	40.6	43.6	46.6	50	53	57	61	66
	9.8	11.0	12.3	13.5	14.8	16.3	17.8	19.8	21.3	23.3	25.3	27.3	29.8	32.3	34.8	37.3	39.8	42.8	45.8	49	52	56	60	65
	9.2	10.4	11.7	12.9	14.2	15.7	17.2	19.2	20.7	22.7	24.7	26.7	29.2	31.7	34.2	36.7	39.2	42.2	45.2	48	52	55	59	64
	...	...	9.9	11.2	12.4	13.9	15.4	17.4	18.9	20.9	22.9	24.9	27.4	29.9	32.4	34.9	37.4	40.4	43.4	46	50	53	57	62
	...	...	...	...	...	...	...	13.4	14.9	16.9	18.9	20.9	23.4	25.9	28.4	30.9	33.4	36.4	39.4	42	46	49	53	58
1.05	15.2	16.4	17.7	18.9	20.2	21.7	23.2	25.2	26.7	28.7	30.7	32.7	35.2	37.7	40.2	42.7	45.2	48.2	51.2	54	58	61	65	70
	12.3	13.6	14.8	16.1	17.3	18.8	20.3	22.3	23.8	25.8	27.8	29.8	32.3	34.8	37.3	39.8	42.3	45.3	48.3	51	55	58	62	67
	15.7	17.0	18.2	19.5	20.7	22.2	23.7	25.7	27.2	29.2	31.2	33.2	35.7	38.2	40.7	43.2	45.7	48.7	51.7	55	58	62	66	71
	14.9	16.1	17.4	18.6	19.9	21.4	22.9	24.9	26.4	28.4	30.4	32.4	34.9	37.4	39.9	42.4	44.9	47.9	50.9	54	57	61	65	70
1.06	12.7	14.0	15.2	16.5	17.7	19.2	20.7	22.7	24.2	26.2	28.2	30.2	32.7	35.2	37.7	40.2	42.7	45.7	48.7	52	55	59	63	68
	11.9	13.2	14.4	15.7	16.9	18.4	19.9	21.9	23.4	25.4	27.4	29.4	31.9	34.4	36.9	39.4	41.9	44.9	47.9	51	54	58	62	67
	11.4	12.7	13.9	15.2	16.4	17.9	19.4	21.4	22.9	24.9	26.9	28.9	31.4	33.9	36.4	38.9	41.4	44.4	47.4	50	54	57	61	66
	9.5	10.7	12.0	13.2	14.5	16.0	17.5	19.5	2.10	23.0	25.0	27.0	29.5	32.0	34.5	37.0	39.5	42.5	45.5	48	52	55	59	64
1.07	15.4	16.7	17.9	19.2	20.4	21.9	23.4	25.4	26.9	28.9	30.9	32.9	35.4	37.9	40.4	42.9	45.5	48.4	51.4	54	58	61	65	70
	10.9	12.1	13.4	14.6	15.9	17.4	18.9	20.9	22.4	24.4	26.4	28.4	30.9	33.4	35.9	38.4	40.9	43.9	46.9	50	53	57	61	66
1.08	10.2	11.4	12.7	13.9	15.2	16.7	18.2	20.2	21.7	23.7	25.7	27.7	30.2	32.7	35.2	37.7	40.2	43.2	46.2	49	53	56	60	65
1.09	14.5	15.8	17.0	18.3	19.5	21.0	22.5	24.5	26.0	28.0	30.0	32.0	34.5	37.0	39.5	42.0	44.5	47.5	50.5	54	57	61	65	70
	13.2	14.5	15.7	17.0	18.2	19.7	21.2	23.2	24.7	26.7	28.7	30.7	33.2	35.7	38.2	40.7	43.2	46.2	49.2	52	56	59	63	68
	.92	**.93**	**.94**	**.95**	**.96**	**.97**	**.98**	**.99**	**1.00**	**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.06**	**1.07**	**1.08**	**1.09**	**1.10**	**1.11**	**1.12**	**1.13**	**1.14**	**1.16**
1.10	12.5	13.8	15.0	16.3	17.5	19.0	20.5	22.5	24.0	26.0	28.0	30.0	32.5	35.0	37.5	40.0	42.5	45.5	48.5	52	55	59	63	68
	15.0	16.3	17.5	18.8	20.0	21.5	23.0	25.0	26.5	28.5	30.5	32.5	35.0	37.5	40.0	42.5	45.0	48.0	51.0	54	58	61	65	70
1.12	12.1	13.4	14.6	15.9	17.1	18.6	20.1	22.1	23.6	25.6	27.6	29.6	32.1	34.6	37.1	39.6	42.1	45.1	48.1	51	54	58	62	67
	11.7	12.9	14.2	15.4	16.7	18.2	19.7	21.7	23.2	25.2	27.2	29.2	31.7	34.2	36.7	39.2	41.7	44.7	47.7	51	55	58	62	67
	15.6	16.8	18.1	19.3	20.6	22.1	23.6	25.6	27.1	29.1	31.1	33.1	35.6	38.1	40.6	43.1	45.6	48.6	51.6	55	58	62	66	71
1.13	15.3	16.6	17.8	19.1	20.3	21.8	23.3	25.3	26.8	28.8	30.8	32.8	35.3	37.8	40.3	42.8	45.3	48.3	51.3	54	58	61	65	70
	13.9	15.1	16.4	17.6	18.9	20.4	21.9	23.9	25.4	27.4	29.4	31.4	33.9	36.4	38.9	41.4	43.9	46.9	49.9	53	56	60	64	69
	11.1	12.4	13.6	14.9	16.1	17.6	19.1	21.1	22.6	24.6	26.6	28.6	31.1	33.6	36.1	38.6	41.1	44.1	47.1	50	54	57	61	66
1.15	13.0	14.3	15.5	16.8	18.0	19.5	21.0	23.0	24.5	26.5	28.5	30.5	33.0	35.5	38.0	40.5	43.0	46.0	49.0	52	56	59	63	68
	9.9	11.1	12.4	13.6	14.9	16.4	17.9	19.9	21.4	23.4	25.4	27.4	29.9	32.4	34.9	37.4	39.9	42.9	45.9	49	52	56	60	65
	14.7	15.9	17.2	18.4	19.7	21.2	22.7	24.7	26.2	28.2	30.2	32.2	34.7	37.2	39.7	42.2	44.7	47.7	50.7	54	57	61	65	70
1.16	10.5	11.7	13.0	14.2	15.5	17.0	18.5	20.5	22.0	24.0	26.0	28.0	30.5	33.0	35.5	38.0	40.5	43.5	46.5	49	53	56	60	65
	...	9.5	10.8	12.0	13.3	14.8	16.3	18.3	19.8	21.8	23.8	25.8	28.3	30.8	33.3	35.8	38.3	41.3	44.3	47	51	54	58	63
1.18	12.3	13.6	14.8	16.1	17.3	18.8	20.3	22.3	23.8	25.8	27.8	29.8	32.3	34.8	37.3	39.8	42.3	45.3	48.3	51	55	58	62	67
	11.9	13.1	14.4	15.6	16.9	18.4	19.9	21.9	23.4	25.4	27.4	29.4	31.9	34.4	36.9	39.4	41.9	44.9	47.9	51	54	58	62	67
1.19	15.4	16.7	17.9	19.2	20.4	21.9	23.4	25.4	26.9	28.9	30.9	32.9	35.4	37.9	40.4	42.9	45.4	48.4	51.4	54	58	61	65	70
1.20	15.2	16.4	17.7	18.9	20.2	21.7	23.2	25.2	26.7	28.7	30.7	32.7	35.2	37.7	40.2	42.7	45.2	48.2	51.2	54	58	61	65	70
	11.4	12.6	13.9	15.1	16.4	17.9	19.4	21.4	22.9	24.9	26.9	28.9	31.4	33.9	36.4	38.9	41.4	44.4	47.4	50	54	58	61	66
1.22	14.8	16.0	17.3	18.5	19.8	21.3	22.8	24.8	26.3	28.3	30.3	32.3	34.8	37.3	39.8	42.3	44.8	47.8	50.8	54	57	61	65	70
	12.8	14.1	15.3	16.6	17.8	19.3	20.8	22.8	24.3	26.3	28.3	30.3	32.8	35.3	37.8	40.3	42.8	45.8	48.8	52	55	59	63	68

Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

3VX STOCK DRIVE SELECTIONS

Speed Ratio	Stock Sheaves Diameter Driver	Stock Sheaves Diameter Driven	3500 RPM Driver Driven RPM	3500 RPM Driver HP/Belt 3VX	1750 RPM Driver Driven RPM	1750 RPM Driver HP/Belt 3VX	1160 RPM Driver Driven RPM	1160 RPM Driver HP/Belt 3VX	Belt Number and Approx. Center Distance 3VX 250	3VX 265	3VX 280	3VX 300	3VX 315	3VX 335	3VX 355	3VX 375
1.23	3.35	4.12	2838	6.33	1419	3.53	941	2.46	6.6	7.4	8.1	9.1	9.9	10.9	11.9	12.9
	5.30	6.5	2849	11.84	1424	6.72	944	4.67	...	...	...	...	...	7.5	8.5	9.5
	5.60	6.9	2836	12.62	1418	7.19	940	5.00	...	...	...	...	...	...	7.9	8.9
	6.50	8.0	2840	14.78	1420	8.59	941	5.99	...	...	...	...	...	...	...	...
1.24	3.65	4.5	2831	7.23	1416	4.03	938	2.81	6.1	6.8	7.6	8.6	9.3	10.3	11.3	12.3
ARC-LENGTH CORRECTION FACTOR —>									.82	.83	.84	.86	.86	.88	.89	.90
1.25	4.50	5.6	2806	9.70	1403	5.44	930	3.78	...	...	...	7.1	7.8	8.8	9.8	10.8
1.27	2.65	3.35	2758	4.18	1379	2.35	914	1.65	7.8	8.5	9.3	10.3	11.0	12.0	13.0	14.0
	4.75	6.0	2765	10.40	1382	5.85	916	4.07	...	...	...	6.5	7.3	8.3	9.3	10.3
1.29	4.12	5.3	2713	8.65	1357	4.83	899	3.36	...	5.8	6.6	7.6	8.3	9.3	10.3	11.3
1.30	5.00	6.5	2686	11.11	1343	6.27	890	4.35	...	...	...	...	...	7.7	8.7	9.7
	5.30	6.9	2682	11.90	1341	6.74	889	4.69	...	...	...	...	...	7.1	8.1	9.1
1.31	2.80	3.65	2674	4.68	1337	2.62	886	1.83	7.4	8.2	8.9	9.9	10.7	11.7	12.7	13.7
	3.15	4.12	2666	5.77	1333	3.22	884	2.25	6.8	7.5	8.3	9.3	10.0	11.0	12.0	13.0
	3.65	4.75	2681	7.29	1340	4.06	889	2.82	5.9	6.6	7.4	8.4	9.1	10.1	11.1	12.1
1.32	10.6	14.0	2647	21.34	1323	14.43	877	10.27	...	...	...	...	...	...	...	...
1.33	8.00	10.6	2637	17.92	1319	10.86	874	7.61	...	...	...	...	...	...	...	...
1.34	4.50	6.0	2618	9.76	1309	5.47	868	3.80	...	...	...	6.7	7.5	8.5	9.5	10.5
	6.00	8.0	2619	13.68	1310	7.86	868	5.47	...	...	...	...	...	...	...	...
1.35	3.35	4.5	2596	6.40	1298	3.57	860	2.48	6.3	7.1	7.8	8.8	9.6	10.6	11.6	12.6
1.36	4.12	5.6	2567	8.69	1283	4.85	851	3.37	...	...	6.3	7.3	8.1	9.1	10.1	11.1
ARC-LENGTH CORRECTION FACTOR —>									.82	.83	.84	.86	.86	.88	.89	.90
1.37	3.65	5.0	2545	7.32	1273	4.08	844	2.84	5.7	6.4	7.2	8.2	8.9	9.9	10.9	11.9
	4.75	6.5	2550	10.47	1275	5.88	845	4.09	...	...	...	...	6.9	7.9	8.9	9.9
1.38	2.65	3.65	2528	4.24	1264	2.38	838	1.67	7.5	8.3	9.0	10.0	10.8	11.8	12.8	13.8
	3.00	4.12	2537	5.34	1268	2.98	841	2.08	6.9	7.6	8.4	9.4	10.1	11.1	12.1	13.1
	5.00	6.9	2529	11.15	1265	6.29	838	4.37	...	...	...	...	...	7.3	8.3	9.4
1.42	3.35	4.75	2457	6.44	1229	3.58	814	2.50	6.1	6.9	7.6	8.6	9.4	10.4	11.4	12.4
1.43	5.60	8.0	2443	12.73	1222	7.25	810	5.04	...	...	...	...	...	...	...	...
1.44	3.15	4.5	2438	5.83	1219	3.25	808	2.26	6.5	7.2	8.0	9.0	9.7	10.7	11.7	12.7
1.45	4.50	6.5	2415	9.81	1207	5.49	800	3.81	...	...	...	...	7.0	8.0	9.1	10.1
1.46	3.65	5.3	2400	7.35	1200	4.09	795	2.85	...	6.2	6.9	7.9	8.7	9.7	10.7	11.7
	4.12	6.0	2394	8.73	1197	4.87	793	3.39	...	...	...	7.0	7.7	8.8	9.8	10.8
	4.75	6.9	2401	10.50	1201	5.90	796	4.10	...	...	...	...	...	7.5	8.5	9.5
1.48	2.80	4.12	2365	4.75	1182	2.66	784	1.86	7.0	7.8	8.5	9.5	10.3	11.3	12.3	13.3
1.50	3.35	5.0	2333	6.46	1167	3.60	773	2.50	5.9	6.6	7.4	8.4	9.2	10.2	11.2	12.2
1.51	3.00	4.5	2320	5.39	1160	3.00	769	2.10	6.6	7.3	8.1	9.1	9.8	10.8	11.8	12.8
	5.30	8.0	2311	11.99	1156	6.79	766	4.72	...	...	...	...	...	...	...	8.2
1.52	3.15	4.75	2309	5.85	1154	3.26	765	2.27	6.2	7.0	7.8	8.8	9.5	10.5	11.5	12.5
1.54	3.65	5.6	2270	7.38	1135	4.11	752	2.85	...	...	6.7	7.7	8.4	9.4	10.4	11.4
	4.50	6.9	2274	9.83	1137	5.51	754	3.82	...	...	...	...	...	7.7	8.7	9.7
	6.90	10.6	2273	15.81	1136	9.27	753	6.47	...	...	...	...	...	...	...	...
1.57	2.65	4.12	2236	4.30	1118	2.41	741	1.69	7.1	7.9	8.7	9.7	10.4	11.4	12.4	13.4
1.58	4.12	6.5	2209	8.76	1104	4.89	732	3.40	...	...	...	6.6	7.3	8.3	9.3	10.3
1.59	3.00	4.75	2197	5.41	1098	3.01	728	2.10	6.4	7.1	7.9	8.9	9.6	10.6	11.6	12.6
	3.35	5.3	2200	6.48	1100	3.61	729	2.51	5.6	6.4	7.1	8.1	8.9	9.9	10.9	11.9
1.60	3.15	5.0	2192	5.87	1096	3.27	726	2.28	6.0	6.8	7.5	8.6	9.3	10.3	11.3	12.3
ARC-LENGTH CORRECTION FACTOR —>									.81	.82	.83	.85	.86	.87	.89	.89
1.61	5.00	8.0	2179	11.22	1090	6.32	722	4.39	...	...	...	...	...	...	...	8.4
1.62	2.80	4.5	2163	4.79	1081	2.68	717	1.87	6.7	7.5	8.2	9.2	10.0	11.0	12.0	13.0
1.64	6.50	10.6	2140	14.95	1070	8.67	709	6.04	...	...	...	...	...	...	...	...
1.65	3.65	6.0	2118	7.40	1059	4.12	702	2.86	...	...	6.3	7.3	8.1	9.1	10.1	11.1
1.68	3.00	5.0	2086	5.42	1043	3.02	691	2.11	6.1	6.9	7.7	8.7	9.4	10.4	11.4	12.4
	3.35	5.6	2081	6.50	1041	3.62	690	2.52	...	6.1	6.9	7.9	8.6	9.7	10.7	11.7
	4.12	6.9	2080	8.78	1040	4.90	689	3.40	...	...	...	...	7.0	8.0	9.0	10.0
1.69	3.15	5.3	2067	5.89	1033	3.28	685	2.28	5.8	6.5	7.3	8.3	9.0	10.1	11.1	12.1
	4.75	8.0	2069	10.55	1035	5.93	686	4.11	...	...	...	...	...	...	7.6	8.6
1.71	2.65	4.5	2045	4.33	1022	2.42	678	1.70	6.8	7.6	8.3	9.3	10.1	11.1	12.1	13.1
1.71	2.80	4.75	2048	4.80	1024	2.68	679	1.88	6.5	7.3	8.0	9.0	9.8	10.8	11.8	12.8
1.75	8.00	14.0	19.95	18.04	997	10.92	661	7.65	...	...	...	...	...	...	...	...
1.77	6.00	10.6	1974	13.79	987	7.91	654	5.51	...	...	...	...	...	...	...	...
1.78	3.00	5.3	1967	5.44	983	3.03	652	2.11	5.9	6.6	7.4	8.4	9.2	10.2	11.2	12.2
ARC-LENGTH CORRECTION FACTOR —>									.80	.81	.82	.84	.85	.86	.88	.89

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

3VX STOCK DRIVE SELECTIONS

Speed Ratio	Belt Number and Approx. Center Distance																							
	3VX 400	3VX 425	3VX 450	3VX 475	3VX 500	3VX 530	3VX 560	3VX 600	3VX 630	3VX 670	3VX 710	3VX 750	3VX 800	3VX 850	3VX 900	3VX 950	3VX 1000	3VX 1060	3VX 1120	3VX 1180	3VX 1250	3VX 1320	3VX 1400	3VX 1500
1.23	14.1	15.4	16.6	17.9	19.1	20.6	22.1	24.1	25.6	27.6	29.6	31.6	34.1	36.6	39.1	41.6	44.1	47.1	50.1	53	57	60	64	69
	10.7	12.0	13.2	14.5	15.7	17.2	18.7	20.7	22.2	24.2	26.2	28.2	30.7	33.2	35.7	38.2	40.7	43.7	46.7	50	53	57	61	66
	10.2	11.4	12.7	13.9	15.2	16.7	18.2	20.2	21.7	23.7	25.7	27.7	30.2	32.7	35.2	37.7	40.2	43.2	46.2	49	53	56	60	65
	8.6	9.8	11.1	12.3	13.6	15.1	16.6	18.6	20.1	22.1	24.1	26.1	28.6	31.1	33.6	36.1	38.6	41.6	44.6	48	51	55	59	64
1.24	13.6	14.8	16.1	17.3	18.6	20.1	21.6	23.6	25.1	27.1	29.1	31.1	33.6	36.1	38.6	41.1	43.6	46.6	49.6	53	56	61	64	69
	.91	.92	.93	.94	.95	.96	.97	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15
1.25	12.1	13.3	14.6	15.8	17.1	18.6	20.1	22.1	23.6	25.6	27.6	29.6	32.1	34.6	37.1	39.6	42.1	45.1	48.1	51	55	58	62	67
1.27	15.3	16.5	17.8	19.0	20.3	21.8	23.3	25.3	26.8	28.8	30.8	32.8	35.3	37.8	40.3	42.1	45.3	48.3	51.3	54	58	61	65	70
	11.5	12.8	14.0	15.3	16.5	18.1	19.6	21.6	23.1	25.1	27.1	29.1	31.6	34.1	36.6	39.1	41.6	44.6	47.6	51	54	58	62	67
1.29	12.6	13.8	15.1	16.3	17.6	19.1	20.6	22.6	24.1	26.1	28.1	30.1	32.6	35.1	37.6	40.1	42.6	45.6	48.6	52	55	59	63	68
1.30	10.9	12.2	13.5	14.7	16.0	17.5	19.0	21.0	22.5	24.5	26.5	28.5	31.0	33.5	36.0	38.5	41.0	44.0	47.0	50	53	57	61	66
	10.4	11.6	12.9	14.2	15.4	16.9	18.4	20.4	21.9	23.9	25.9	27.9	30.4	32.9	35.4	37.9	40.4	43.4	46.4	49	53	56	60	65
1.31	14.9	16.2	17.4	18.7	19.9	21.4	22.9	24.9	26.4	28.4	30.4	32.4	34.9	37.4	39.9	42.4	44.9	47.9	50.9	54	57	61	65	70
	14.3	15.5	16.8	18.0	19.3	20.8	22.3	24.3	25.8	27.8	29.8	31.8	34.3	36.8	39.3	41.8	44.3	47.3	50.3	53	57	60	64	69
	13.4	14.6	15.9	17.1	18.4	19.9	21.4	23.4	24.9	26.9	28.9	30.9	33.4	35.9	38.4	40.9	43.4	46.4	49.4	52	56	59	63	68
1.32	...	...	...	...	...	...	...	...	...	14.1	16.1	18.1	20.6	23.1	25.6	28.1	30.6	33.6	36.6	40	43	47	51	56
1.33	...	...	...	...	...	11.8	13.3	15.3	16.8	18.9	20.9	22.9	25.4	27.9	30.4	32.9	35.4	38.4	41.4	44	48	51	55	60
1.34	11.7	13.0	14.2	15.5	16.7	18.2	19.7	21.7	23.2	25.2	27.2	29.2	31.7	34.2	36.7	39.3	41.8	44.8	47.8	51	54	58	62	67
	9.0	10.2	11.5	12.7	14.0	15.5	17.0	19.0	20.5	22.5	24.5	26.5	29.0	31.5	34.0	36.5	39.0	42.0	45.0	48	52	55	59	64
1.35	13.8	15.1	16.3	17.6	18.8	20.3	21.8	23.8	25.3	27.3	29.3	31.3	33.8	36.3	38.8	41.3	43.8	46.8	49.8	53	56	60	64	69
1.36	12.3	13.6	14.9	16.1	17.4	18.9	20.4	22.4	23.9	25.9	27.9	29.9	32.4	34.9	37.4	39.9	42.4	45.4	48.4	51	55	58	62	67
	.91	.92	.93	.94	.95	.96	.97	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15
1.37	13.2	14.4	15.7	16.9	18.2	19.7	21.2	23.2	24.7	26.7	28.7	30.7	33.2	35.7	38.2	40.7	43.2	46.2	49.2	52	56	59	63	68
	11.1	12.4	13.6	14.9	16.1	17.6	19.1	21.2	22.7	24.7	26.7	28.7	31.2	33.7	36.2	38.7	41.2	44.2	47.2	50	54	57	61	66
1.38	15.0	16.3	17.5	18.8	20.0	21.5	23.0	25.0	26.5	28.6	30.6	32.6	35.1	37.6	40.1	42.6	45.1	48.1	51.1	54	58	61	65	70
	14.4	15.7	16.9	18.2	19.4	20.9	22.4	24.4	25.9	27.9	29.9	31.9	34.4	36.9	39.4	41.9	44.4	47.4	50.4	53	57	60	64	69
	10.6	11.9	13.1	14.4	15.6	17.1	18.6	20.6	22.1	24.1	26.1	28.1	30.6	33.1	35.6	38.1	40.6	43.6	46.6	50	53	57	61	66
1.42	13.6	14.9	16.1	17.4	18.6	20.1	21.6	23.6	25.1	27.1	29.1	31.1	33.6	36.1	38.6	41.1	43.6	46.6	49.6	53	56	60	64	69
1.43	9.2	10.5	11.8	13.0	14.3	15.8	17.3	19.3	20.8	22.8	24.8	26.8	29.3	31.8	34.3	36.8	39.3	42.3	45.3	48	52	55	59	64
1.44	14.0	15.2	16.5	17.7	19.0	20.5	22.0	24.0	25.5	27.5	29.5	31.5	34.0	36.5	39.0	41.5	44.0	47.0	50.0	53	56	60	64	69
1.45	11.3	12.6	13.8	15.1	16.3	17.8	19.3	21.3	22.8	24.8	26.8	28.8	31.3	33.9	36.4	38.9	41.4	44.4	47.4	50	54	57	61	66
1.46	12.9	14.2	15.5	16.7	18.0	19.5	21.0	23.0	24.5	26.5	28.5	30.5	33.0	35.5	38.0	40.5	43.0	46.0	49.0	52	55	59	63	68
	12.0	13.3	14.5	15.8	17.0	18.5	20.0	22.0	23.5	25.5	27.5	29.5	32.0	34.5	37.0	39.5	42.0	45.0	48.0	51	55	58	62	67
	10.8	12.1	13.3	14.6	15.8	17.3	18.8	20.8	22.3	24.3	26.3	28.3	30.8	33.3	35.8	38.3	40.8	43.8	46.8	50	53	57	61	66
1.48	14.6	15.8	17.1	18.3	19.6	21.1	22.6	24.6	26.1	28.1	30.1	32.1	34.6	37.1	39.6	42.1	44.6	47.6	50.6	54	57	61	65	70
1.50	13.4	14.7	15.9	17.2	18.4	19.9	21.4	23.4	24.9	26.9	28.9	30.9	33.4	35.9	38.4	40.9	43.4	46.4	49.4	52	56	59	63	68
1.51	14.1	15.3	16.6	17.8	19.1	20.6	22.1	24.1	25.6	27.6	29.6	31.6	34.1	36.6	39.1	41.6	44.1	47.1	50.1	53	57	60	64	69
	9.5	10.7	12.0	13.2	14.5	16.0	17.5	19.5	21.0	23.0	25.0	27.0	29.5	32.0	34.5	37.0	39.5	42.5	45.5	49	52	56	60	65
1.52	13.8	15.0	16.3	17.5	18.8	20.3	21.8	23.8	25.3	27.3	29.3	31.3	33.8	36.3	38.8	41.3	43.8	46.8	49.8	53	56	60	64	69
1.54	12.7	14.0	15.2	16.5	17.7	19.2	20.7	22.7	24.2	26.2	28.2	30.2	32.7	35.2	37.7	40.2	42.7	45.7	48.7	52	55	59	63	68
	11.0	12.2	13.5	14.8	16.0	17.5	19.0	21.0	22.5	24.5	26.5	28.5	31.0	33.5	36.0	38.5	41.0	44.0	47.0	50	54	57	61	66
	...	...	...	...	11.1	12.6	14.1	16.2	17.7	19.7	21.7	23.7	26.2	28.7	31.2	33.7	36.2	39.2	42.2	45	49	52	56	61
1.57	14.7	15.9	17.2	18.4	19.7	21.2	22.7	24.7	26.2	28.2	30.2	32.2	34.7	37.2	39.7	42.2	44.7	47.7	50.7	54	57	61	65	70
1.58	11.6	12.9	14.1	15.4	16.6	18.1	19.6	21.6	23.1	25.1	27.1	29.1	31.6	34.1	36.6	39.1	41.6	44.6	47.6	51	54	58	62	67
1.59	13.9	15.1	16.4	17.6	18.9	20.4	21.9	23.9	25.4	27.4	29.4	31.4	33.9	36.4	38.9	41.4	43.9	46.9	49.9	53	56	60	64	69
	13.2	14.4	15.7	16.9	18.2	19.7	21.2	23.2	24.7	26.7	28.7	30.7	33.2	35.7	38.2	40.7	43.2	46.2	49.2	52	56	59	63	68
1.60	13.6	14.8	16.1	17.3	18.6	20.1	21.6	23.6	25.1	27.1	29.1	31.1	33.6	36.1	38.6	41.1	43.6	46.6	49.6	53	56	60	64	69
	.90	.92	.93	.94	.95	.96	.97	.98	.99	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15
1.61	9.7	10.9	12.2	13.5	14.7	16.2	17.7	19.7	21.2	23.2	25.3	27.3	29.8	32.3	34.8	37.3	39.8	42.8	45.8	49	52	56	60	65
1.62	14.2	15.5	16.7	18.0	19.3	20.8	22.3	24.3	25.8	27.8	29.8	31.8	34.3	36.8	39.3	41.8	44.3	47.3	50.3	53	57	60	64	69
1.64	...	...	...	10.1	11.4	12.9	14.4	16.4	18.0	20.0	22.0	24.0	26.5	29.0	31.5	34.0	36.5	39.5	42.5	46	49	53	57	62
1.65	12.4	13.6	14.9	16.1	17.4	18.9	20.4	22.4	23.9	25.9	27.9	29.9	32.4	34.9	37.4	39.9	42.4	45.4	48.4	51	55	58	62	67
1.68	13.7	14.9	16.2	17.4	18.7	20.2	21.7	23.7	25.2	27.2	29.2	31.2	33.7	36.2	38.7	41.2	43.7	46.7	49.7	53	56	60	64	69
	12.9	14.2	15.4	16.7	17.9	19.4	20.9	22.9	24.4	26.5	28.5	30.5	33.0	35.5	38.0	40.5	43.0	46.0	49.0	52	55	59	63	68
	11.3	12.5	13.8	15.0	16.3	17.8	19.3	21.3	22.8	24.8	26.8	28.8	31.3	33.8	36.3	38.8	41.3	44.3	47.3	50	54	57	61	66
1.69	13.3	14.6	15.8	17.1	18.3	19.8	21.3	23.3	24.8	26.8	28.8	30.8	33.3	35.9	38.4	40.9	43.4	46.4	49.4	52	56	59	63	68
	9.9	11.1	12.4	13.6	14.9	16.4	17.9	19.9	21.4	23.4	25.4	27.4	29.9	32.5	35.0	37.5	40.0	43.0	46.0	49	52	56	60	65
1.71	14.4	15.6	16.9	18.1	19.4	20.9	22.4	24.4	25.9	27.9	29.9	31.9	34.4	36.9	39.4	41.9	44.4	47.4	50.4	53	57	60	64	69
1.71	14.0	15.3	16.5	17.8	19.0	20.6	22.1	24.1	25.6	27.6	29.6	31.6	34.1	36.6	39.1	41.6	44.1	47.1	50.1	53	57	60	64	69
1.75	...	...	...	...	...	...	...	...	13.9	15.9	18.0	20.0	22.5	25.1	27.6	30.1	32.6	35.6	38.6	42	45	49	53	58
1.77	...	...	...	10.5	11.7	13.3	14.8	16.8	18.3	20.3	22.4	24.4	26.9	29.4	31.9	34.4	36.9	39.9	42.9	46	49	53	57	62
1.78	13.4	14.7	15.9	17.2	18.4	20.0	21.5	23.5	25.0	27.0	29.0	31.0	33.5	36.0	38.5	41.0	43.5	46.5	49.5	52	56	59	63	68
	.90	.91	.92	.93	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

3VX STOCK DRIVE SELECTIONS

Speed Ratio	Stock Sheaves Diameter		3500 RPM Driver		1750 RPM Driver		1160 RPM Driver		Belt Number and Approx. Center Distance						
	Driver	Driven	Driven RPM	HP/Belt 3VX	Driven RPM	HP/Belt 3VX	Driven RPM	HP/Belt 3VX	3VX 265	3VX 280	3VX 300	3VX 315	3VX 335	3VX 355	3VX 375
1.79	3.65	6.50	1953	7.42	977	4.13	647	2.87	...	...	6.9	7.6	8.7	9.7	10.7
	4.50	8.00	1959	9.87	980	5.53	649	3.84	...	...				7.7	8.8
1.80	2.80	5.00	1944	4.81	972	2.69	644	1.88	7.0	7.8	8.8	9.6	10.6	11.6	12.6
	3.35	6.00	1941	6.52	971	3.62	643	2.52	5.8	6.5	7.5	8.3	9.3	10.3	11.3
	10.60	19.00	1949	21.47	974	14.50	646	10.31	...	...	...			...	...
1.81	2.65	4.75	1936	4.34	968	2.43	642	1.70	7.4	8.1	9.1	9.9	10.9	11.9	12.9
1.88	3.00	5.60	1860	5.45	930	3.03	617	2.12	6.4	7.1	8.1	8.9	9.9	10.9	11.9
1.90	2.65	5.00	1838	4.35	919	2.44	609	1.71	7.1	7.9	8.9	9.7	10.7	11.7	12.7
	3.65	6.90	1839	7.43	920	4.13	610	2.87	...	...	6.5	7.3	8.3	9.3	10.3
	5.60	10.60	1841	12.81	921	7.29	610	5.07	...	...	...	...	....		
1.91	2.80	5.30	1833	4.82	917	2.69	608	1.88	6.8	7.5	8.5	9.3	10.3	11.3	12.3
1.92	3.15	6.00	1824	5.91	912	3.29	604	2.29	5.9	6.7	7.7	8.4	9.5	10.5	11.5
1.95	3.35	6.50	1791	6.53	895	3.63	593	2.53	...	...	7.1	7.9	8.9	9.9	10.9
	4.12	8.00	1792	8.81	896	4.91	594	3.41	...	...	...	...	...	8.0	9.0
2.01	5.30	10.60	1742	12.05	871	6.82	577	4.74	...	...	...	...	...	...	...
2.02	2.65	5.30	1733	4.36	367	2.44	574	1.71	6.9	7.6	8.7	9.4	10.4	11.4	12.4
	2.80	5.60	1734	4.83	867	2.70	575	1.89	6.5	7.3	8.3	9.0	10.1	11.1	12.1
	3.00	6.00	1735	5.46	868	3.04	575	2.12	6.0	6.8	7.8	8.5	9.6	10.6	11.6
2.04	6.90	14.00	1719	15.88	859	9.30	570	6.49	...	...	...	...	...	...	...
2.08	3.15	6.50	1682	5.93	841	3.30	558	2.30	...	6.2	7.2	8.0	9.0	10.0	11.0
	3.35	6.90	1686	6.54	843	3.63	559	2.53	...	...	6.7	7.5	8.5	9.5	10.6
ARC-LENGTH CORRECTION FACTOR —>									**.81**	**.82**	**.84**	**.85**	**.86**	**.87**	**.88**
2.13	2.65	5.60	1640	4.36	820	2.44	543	1.71	6.6	7.4	8.4	9.2	10.2	11.2	12.2
	5.00	10.60	1642	11.27	821	6.35	544	4.41	...	...	...	...	...	...	...
2.16	2.80	6.00	1618	4.84	809	2.70	536	1.89	6.1	6.9	7.9	8.7	9.7	10.7	11.7
	6.50	14.00	1618	14.99	809	8.70	536	6.06	...	...	...	...	...	...	...
2.19	3.00	6.50	1601	5.47	800	3.04	531	2.12	...	6.3	7.3	8.1	9.1	10.1	11.2
2.21	3.15	6.90	1584	5.93	792	3.30	525	2.30	...	...	6.9	7.6	8.7	9.7	10.7
	3.65	8.00	1585	7.45	792	4.14	525	2.88	...	...	...	...	7.3	8.3	9.3
2.24	4.75	10.60	1559	10.60	780	5.95	517	4.13	...	...	...	...	...	...	...
2.29	2.65	6.00	1529	4.37	765	2.45	507	1.71	6.2	7.0	8.0	8.8	9.8	10.8	11.8
2.32	3.00	6.90	1507	5.47	754	3.05	500	2.12	...	...	7.0	7.7	8.8	9.8	10.8
2.34	6.00	14.00	1493	13.83	746	7.93	495	5.52	...	...	...	...	...	...	...
2.35	2.80	6.50	1492	4.84	746	2.70	495	1.89	...	64	7.5	8.2	9.3	10.3	11.3
2.36	10.6	25.00	1480	21.5	740	14.51	491	10.33	...	...	...	...	...	...	...
2.37	4.50	10.60	1476	9.91	738	5.54	489	3.85	...	...	...	...	...	...	...
2.38	8.00	19.00	1468	18.07	734	10.94	487	7.66	...	...	...	...	...	...	...
2.41	3.35	8.00	1453	6.55	726	3.64	482	2.53	...	...	...	...	7.5	8.5	9.6
2.48	2.65	6.50	1411	4.37	705	2.45	468	1.71	5.7	6.5	7.6	8.3	9.4	10.4	11.4
2.49	2.80	6.90	1405	4.85	703	2.71	466	1.89	..	6.0	7.1	7.9	8.9	9.9	10.9
2.51	5.60	14.00	1392	12.84	696	7.31	462	5.08	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>									**.78**	**.80**	**.82**	**.83**	**.84**	**.86**	**.87**
2.56	3.15	8.00	1365	5.94	682	3.30	452	2.30	...	...	...	...	7.6	8.7	9.7
2.59	4.12	10.60	1350	8.84	675	4.92	448	3.42	...	...	...	...	...	...	...
2.63	2.65	6.90	1328	4.38	664	2.45	440	1.72	...	6.1	7.2	8.0	9.0	10.0	11.0
2.66	5.30	14.00	1317	12.08	659	6.83	437	4.75	...	...	...	...	...	...	...
2.69	3.00	8.00	1299	5.48	649	3.05	430	2.13	...	...	...	6.6	7.7	8.8	9.8
2.77	6.90	19.00	1265	15.90	633	9.31	419	6.50	...	...	...	...	...	...	...
2.82	5.00	14.00	1242	11.29	621	6.36	412	4.41	...	...	...	..	...	...	...
2.89	2.80	8.00	1211	4.86	605	2.71	401	1.89	...	...	...	6.8	7.8	8.9	9.9
2.93	3.65	10.60	1194	7.46	597	4.15	396	2.88	...	...	...	...	...	...	...
2.94	6.50	19.00	1191	15.01	596	8.71	395	6.07	...	...	...	...	...	...	...
2.97	4.75	14.00	1179	10.61	590	5.95	391	4.13	...	...	...	...	...	...	...
3.06	2.65	8.00	1145	4.38	572	2.45	379	1.72	...	...	...	6.9	7.9	9.0	10.0
3.13	4.50	14.00	1116	9.92	558	5.55	370	3.85	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>									**...**	**.75**	**.78**	**.80**	**.82**	**.84**	**.85**

*** NOTE:** Stock belt size 3VX250 not shown

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

3VX STOCK DRIVE SELECTIONS

Speed Ratio	Belt Number and Approx. Center Distance																							
	3VX 400	3VX 425	3VX 450	3VX 475	3VX 500	3VX 530	3VX 560	3VX 600	3VX 630	3VX 670	3VX 710	3VX 750	3VX 800	3VX 850	3VX 900	3VX 950	3VX 1000	3VX 1060	3VX 1120	3VX 1180	3VX 1250	3VX 1320	3VX 1400	3VX 1500
1.79	11.9	13.2	15.5	15.7	17.0	18.5	20.0	22.0	23.5	25.5	27.5	29.5	32.0	34.5	37.0	39.5	42.0	45.0	48.0	51	55	58	62	67
	10.0	11.3	12.6	13.8	15.1	16.6	18.1	20.1	21.6	23.6	25.6	27.6	30.1	32.6	35.1	37.6	40.1	43.2	46.2	49	53	56	60	65
1.80	13.8	15.1	16.3	17.6	18.8	20.3	21.8	23.9	25.4	27.4	29.4	31.4	33.9	36.4	38.9	41.4	43.9	46.9	49.9	53	56	60	64	69
	12.6	13.8	15.1	16.4	17.6	19.1	20.6	22.6	24.1	26.1	28.1	30.1	32.6	35.1	37.6	40.1	42.6	45.6	48.6	52	55	59	63	68
	...	...	...	...	...	...	...	...	...	...	...	...	...	18.8	21.4	23.9	26.4	29.5	32.5	36	39	43	47	52
1.81	14.2	15.4	16.7	17.9	19.2	20.7	22.2	24.2	25.7	27.7	29.7	31.7	34.2	36.7	39.2	41.7	44.2	47.2	50.2	53	57	60	64	69
1.88	13.2	14.4	15.7	16.9	18.2	19.7	21.2	23.2	24.7	26.7	28.7	30.7	33.2	35.7	38.2	40.7	43.2	46.2	49.2	52	56	59	63	68
1.90	13.9	15.2	16.5	17.7	19.0	20.5	22.0	24.0	25.5	27.5	29.5	31.5	34.0	36.5	39.0	41.5	44.0	47.0	50.0	53	56	60	64	69
	11.6	12.9	14.1	15.4	16.6	18.1	19.7	21.7	23.2	25.2	27.2	29.2	31.7	34.2	36.7	39.2	41.7	44.7	47.7	51	54	58	62	67
	...	...	9.5	10.7	12.0	13.6	15.1	17.1	18.6	20.6	22.6	24.7	27.2	29.7	32.2	34.7	37.2	40.2	43.2	46	50	53	57	62
1.91	13.6	14.8	16.1	17.3	18.6	20.1	21.6	23.6	25.1	27.1	29.1	31.1	33.6	36.1	38.6	41.1	43.6	46.6	49.6	53	56	60	64	69
1.92	12.7	14.0	15.3	16.5	17.8	19.3	20.8	22.8	24.3	26.3	28.3	30.3	32.8	35.3	37.8	40.3	42.8	45.8	48.8	52	55	59	63	68
1.95	12.2	13.4	14.7	15.9	17.2	18.7	20.2	22.2	23.7	25.7	27.7	29.7	32.2	34.7	37.2	39.7	42.2	45.2	48.2	51	55	58	62	67
	10.3	11.6	12.8	14.1	15.4	16.9	18.4	20.4	21.9	23.9	25.9	27.9	30.4	32.9	35.4	37.9	40.4	43.4	46.4	49	53	56	60	65
2.01	...	...	9.7	10.9	12.2	13.8	15.3	17.3	18.8	20.9	22.9	24.9	27.4	29.9	32.4	34.9	37.4	40.4	43.4	46	50	53	58	62
2.02	13.7	15.0	16.2	17.5	18.7	20.2	21.7	23.7	25.2	27.2	29.2	31.2	33.7	36.2	38.7	41.2	43.7	46.7	49.7	53	56	60	64	69
	13.3	14.6	15.8	17.1	18.4	19.9	21.4	23.4	24.9	26.9	28.9	30.9	33.4	35.9	38.4	40.9	43.4	46.4	49.4	52	56	59	63	68
	12.8	14.1	15.4	16.6	17.9	19.4	20.9	22.9	24.4	26.4	28.4	30.4	32.9	35.4	37.9	40.4	42.9	45.9	48.9	52	55	59	63	68
2.04	...	...	...	...	...	...	...	13.1	14.7	16.7	18.8	20.8	23.3	25.8	28.4	30.9	33.4	36.4	39.4	42	46	49	53	58
2.08	12.3	13.6	14.8	16.1	17.3	18.9	20.4	22.4	23.9	25.9	27.9	29.9	32.4	34.9	37.4	39.9	42.4	45.4	48.4	51	55	58	62	67
	11.8	13.1	14.3	15.6	16.9	18.4	19.9	21.9	23.4	25.4	27.4	29.4	31.9	34.4	36.9	39.4	41.9	44.9	47.9	51	54	58	64	67
	.90	.91	.92	.93	.94	.95	.97	.98	.99	1.00	1.01	1.02	1.03	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15
2.13	13.4	14.7	16.0	17.2	18.5	20.0	21.5	23.5	25.0	27.0	29.0	31.0	33.5	36.0	38.5	41.0	43.5	46.5	49.5	53	56	60	63	69
	...	...	9.9	11.2	12.4	14.0	15.5	17.5	19.0	21.1	23.1	25.1	27.6	30.1	32.6	35.1	37.6	40.7	43.7	47	50	54	58	63
2.16	13.0	14.3	15.5	16.8	18.0	19.5	21.0	23.0	24.5	26.5	28.5	30.6	33.1	35.6	38.1	40.6	43.1	46.1	49.1	52	56	59	63	68
	...	...	...	...	...	...	...	13.4	14.9	17.0	19.0	21.1	23.6	26.1	28.7	31.2	33.7	36.7	39.7	43	46	50	54	59
2.19	12.4	13.7	14.9	16.2	17.5	19.0	20.5	22.5	24.0	26.0	28.0	30.0	32.5	35.0	37.5	40.0	42.5	45.5	48.5	52	55	59	63	68
2.21	12.0	13.2	14.5	15.7	17.0	18.5	20.0	22.0	23.5	25.5	27.5	29.6	32.1	34.6	37.1	39.6	42.1	45.1	48.1	50	55	58	61	67
	10.6	11.9	13.2	14.4	15.7	17.2	18.7	20.7	22.2	24.3	26.3	28.3	30.8	33.3	35.8	38.3	40.8	43.8	46.8	50	53	57	61	66
2.24	...	...	10.0	11.3	12.6	14.1	15.7	17.7	19.2	21.2	23.3	25.3	27.8	30.3	32.8	35.3	37.8	40.8	43.9	47	50	54	58	63
2.29	13.1	14.4	15.6	16.9	18.1	19.6	21.1	23.1	24.7	26.7	28.7	30.7	33.2	35.7	38.2	40.7	43.2	46.2	49.2	52	56	59	63	68
2.32	12.1	13.3	14.6	15.9	17.1	18.6	20.1	22.1	23.6	25.7	27.7	29.7	32.2	34.7	37.2	39.7	42.2	45.2	48.2	51	55	58	62	67
2.34	...	...	...	...	...	...	11.6	13.7	15.3	17.3	19.4	21.4	24.0	26.5	29.0	31.5	34.1	37.1	40.1	43	47	50	54	59
2.35	12.6	13.8	15.1	16.3	17.6	19.1	20.6	22.6	24.1	26.1	28.1	30.1	32.6	35.2	37.7	40.2	42.7	45.7	48.7	52	55	59	63	68
2.36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20.8	24.0	27.1	30	34	37	41	46
2.37	...	8.9	10.2	11.5	12.8	14.3	15.9	17.9	19.4	21.4	23.4	25.5	28.0	30.5	33.0	35.5	38.0	41.0	44.0	47	51	54	58	63
2.38	...	...	...	...	...	...	...	...	...	...	...	15.3	18.0	20.6	23.2	25.7	28.3	31.3	34.4	37	41	44	48	54
2.41	10.8	12.1	13.4	14.7	15.9	17.4	18.9	21.0	22.5	24.5	26.5	28.5	31.0	33.5	36.0	38.5	41.0	44.0	47.0	50	54	57	61	66
2.48	12.7	13.9	15.2	16.5	17.7	19.2	20.7	22.7	24.2	26.2	28.3	30.3	32.8	35.3	37.8	40.3	42.8	45.8	48.8	52	55	59	63	68
2.49	12.2	13.5	14.7	16.0	17.3	18.8	20.3	22.3	23.8	25.8	27.8	29.8	32.3	34.8	37.3	39.8	42.3	45.3	48.3	51	55	58	62	67
2.51	...	...	...	...	...	...	11.9	14.0	15.5	17.6	19.7	21.7	24.3	26.8	29.3	31.8	34.4	37.4	40.4	43	47	50	54	59
	.89	.90	.91	.92	.93	.95	.96	.97	.98	.99	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.10	1.11	1.12	1.13	1.14	1.15
2.56	11.0	12.3	13.5	14.8	16.1	17.6	19.1	21.1	22.6	24.6	26.6	28.6	31.2	33.7	36.2	38.7	41.2	44.2	47.2	50	54	57	61	66
2.59	...	9.1	10.4	11.7	13.0	14.6	16.1	18.2	19.7	21.7	23.7	25.7	28.3	30.8	33.3	35.8	38.3	41.3	44.3	47	51	54	58	63
2.63	12.3	13.6	14.9	16.1	17.4	18.9	20.4	22.4	23.9	25.9	27.9	29.9	32.4	34.9	37.4	39.9	42.5	45.5	48.5	51	55	58	62	67
2.66	...	...	...	...	...	...	12.1	14.2	15.7	17.8	19.9	21.9	24.5	27.0	29.5	32.1	34.6	37.6	40.6	44	47	51	55	60
2.69	11.1	12.4	13.6	14.9	16.2	17.7	19.2	21.2	22.7	24.7	26.7	28.8	31.3	33.8	36.3	38.8	41.3	44.3	47.3	50	54	57	61	66
2.77	...	...	...	...	...	...	...	...	...	...	...	16.0	18.7	21.3	23.9	26.5	29.0	32.1	35.1	38	42	45	49	54
2.82	...	...	...	...	...	...	12.3	14.4	16.0	18.0	20.1	22.1	24.7	27.2	29.7	32.3	34.8	37.8	40.8	44	47	51	55	60
2.89	11.2	12.5	13.8	15.0	16.3	17.8	19.3	21.4	22.9	24.9	26.9	28.9	31.4	33.9	36.4	38.9	41.4	44.4	47.5	50	54	57	61	66
2.93	...	9.4	10.8	12.1	13.4	14.9	16.4	18.5	20.0	22.0	24.1	26.1	28.6	31.1	33.6	36.1	38.7	41.7	44.7	48	51	55	59	64
2.94	...	...	...	...	...	...	...	...	...	...	...	16.3	19.0	21.6	24.2	26.8	29.3	32.4	35.4	38	42	46	50	55
2.97	...	...	...	...	...	...	12.4	14.5	16.1	18.2	20.3	22.3	24.9	27.4	29.9	32.5	35.0	38.0	41.0	44	48	51	55	60
3.06	11.3	12.6	13.9	15.1	16.4	17.9	19.5	21.5	23.0	25.0	27.0	29.0	31.5	34.0	36.5	39.0	41.6	44.6	47.6	51	54	58	62	67
3.13	...	...	...	...	...	10.9	12.6	14.7	16.3	18.4	20.4	22.5	25.0	27.6	30.1	32.6	35.2	38.2	41.2	44	48	51	55	60
	.87	.89	.90	.91	.92	.94	.95	.96	.97	.99	1.00	1.01	1.02	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.14	1.15

Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

3VX STOCK DRIVE SELECTIONS

Speed Ratio	Stock Sheaves Outside Diam. Driver	Stock Sheaves Outside Diam. Driven	3500 RPM Driver Driven RPM	3500 RPM Driver HP/Belt 3VX	1750 RPM Driver Driven RPM	1750 RPM Driver HP/Belt 3VX	1160 RPM Driver Driven RPM	1160 RPM Driver HP/Belt 3VX	Belt Number and Approx. Center Distance 3VX 425	3VX 450	3VX 475	3VX 500
3.14	8.00	25.00	1115	18.09	558	10.94	370	7.67	...	...	...	...
3.17	10.60	33.50	1104	21.52	552	14.52	366	10.33	...	...	...	...
3.18	6.00	19.00	1099	13.84	549	7.94	364	5.52	...	...	...	...
3.20	3.35	10.60	1095	6.56	547	3.65	363	2.54	9.6	10.9	12.3	13.6
3.40	3.15	10.60	1028	5.95	514	3.31	341	2.31	9.7	11.1	12.4	13.7
3.41	5.60	19.00	1025	12.85	513	7.31	340	5.08	...	...	...	...
3.43	4.12	14.00	1021	8.85	511	4.93	338	3.42	...	...	...	...
3.58	3.00	10.60	979	5.49	489	3.05	324	2.13	9.8	11.2	12.5	13.8
3.61	5.30	19.00	970	12.09	485	6.84	321	4.75	...	...	...	...
3.64	6.90	25.00	961	15.91	480	9.32	318	6.50	...	...	...	...
3.83	5.00	19.00	914	11.29	457	6.36	303	4.42	...	...	...	...
3.84	2.80	10.60	912	4.86	456	2.71	302	1.90	10.0	11.3	12.6	13.9
ARC-LENGTH CORRECTION FACTOR —>									**.88**	**.89**	**.91**	**.92**
3.87	6.50	25.00	905	15.02	452	8.71	300	6.07	...	...	...	...
3.88	3.65	14.00	903	7.47	452	4.15	299	2.89	...	...	...	...
4.03	4.75	19.00	868	10.62	434	5.96	288	4.14	...	...	...	...
4.06	2.65	10.60	863	4.39	431	2.46	286	1.72	10.1	11.4	12.7	14.0
4.19	6.00	25.00	835	13.85	417	7.94	277	5.52	...	...	...	...
4.21	8.00	33.50	832	18.09	416	10.95	276	7.67	...	...	...	...
4.23	3.35	14.00	828	6.57	414	3.65	274	2.54	...	...	...	10.0
4.26	4.50	19.00	822	9.93	411	5.55	272	3.86	...	...	...	...
4.50	3.15	14.00	778	5.96	389	3.31	258	2.31	...	...	...	10.1
	5.60	25.00	779	12.86	389	7.31	258	5.08	...	...	...	...
4.66	4.12	19.00	752	8.85	376	4.93	249	3.42	...	...	...	...
4.73	3.00	14.00	740	5.49	370	3.06	245	2.13	...	...	...	10.2
4.75	5.30	25.00	736	12.09	368	6.84	244	4.75	...	...	...	...
4.88	6.90	33.50	717	15.91	358	9.32	238	6.50	...	...	...	...
5.04	5.00	25.00	694	11.30	347	6.36	230	4.42	...	...	...	...
5.07	2.80	14.00	690	4.87	345	2.72	229	1.90	...	...	...	10.3
5.19	6.50	33.50	675	15.02	337	8.71	224	6.07	...	...	...	...
5.26	3.65	19.00	665	7.47	332	4.15	220	2.89	...	...	...	...
5.31	4.75	25.00	659	10.62	330	5.96	219	4.14	...	...	...	...
5.37	2.65	14.00	652	4.39	326	2.46	216	1.72	...	...	...	10.4
ARC-LENGTH CORRECTION FACTOR —>									**.80**	**.83**	**.85**	**.87**
5.61	4.50	25.00	624	9.93	312	5.55	207	3.86	...	...	...	...
5.62	6.00	33.50	623	13.85	311	7.94	206	5.52	...	...	...	...
5.74	3.35	19.00	609	6.57	305	3.65	202	2.54	...	...	...	...
6.03	5.60	33.50	581	12.86	290	7.32	192	5.08	...	...	...	...
6.11	3.15	19.00	573	4.91	286	2.84	190	2.31	...	...	...	...
6.13	4.12	25.00	571	8.85	285	4.93	189	3.43	...	...	...	...
6.37	5.30	33.50	549	12.09	275	6.84	182	4.75	...	...	...	...
6.42	3.00	19.00	545	5.49	272	3.06	181	2.13	...	...	...	...
6.76	5.00	33.50	518	11.30	259	6.36	172	4.42	...	...	...	...
6.89	2.80	19.00	508	4.87	254	2.72	168	1.90	...	...	...	...
6.93	3.65	25.00	505	7.48	253	4.15	167	2.89	...	...	...	...
7.12	4.75	33.50	492	10.62	246	5.96	163	4.14	...	...	...	...
7.29	2.65	19.00	480	4.39	240	2.46	159	1.72	...	...	...	...
7.52	4.50	33.50	466	9.93	233	5.56	154	3.86	...	...	...	...
7.56	3.35	25.00	463	6.57	231	3.65	153	2.54	...	...	...	...
8.05	3.15	25.00	435	5.96	217	3.31	144	2.31	...	...	...	...
8.22	4.12	33.50	426	8.85	213	4.93	141	3.43	...	...	...	...
8.46	3.00	25.00	414	5.50	207	3.06	137	2.13	...	...	...	...
9.07	2.80	25.00	386	4.87	193	2.72	128	1.90	...	...	...	...
9.29	3.65	33.50	377	7.48	188	4.15	125	2.89	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>									**...**	**...**	**...**	**...**
9.60	2.65	25.00	365	4.39	182	2.46	121	1.72	...	...	...	...
10.14	3.35	33.50	345	6.57	173	3.65	114	2.54	...	...	...	...
10.79	3.15	33.50	324	5.96	162	3.31	108	2.31	...	...	...	...
11.34	3.00	33.50	309	5.50	154	3.06	102	2.13	...	...	...	...
12.16	2.80	33.50	288	4.87	144	2.72	95	1.90	...	...	...	...
12.87	2.65	33.50	272	4.39	136	2.46	90	1.72	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>									**...**	**...**	**...**	**...**

*** Note: Stock belt sizes 3VX250 thru 3VX400 not shown**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

3VX STOCK DRIVE SELECTIONS

Speed Ratio	Belt Number and Approx. Center Distance																		
	3VX 530	3VX 560	3VX 600	3VX 630	3VX 670	3VX 710	3VX 750	3VX 800	3VX 850	3VX 900	3VX 950	3VX 1000	3VX 1060	3VX 1120	3VX 1180	3VX 1250	3VX 1320	3VX 1400	3VX 1500
3.14	...	...	...	...	...	...	...	...	...	...	19.8	22.5	25.7	28.8	32.0	35.6	39	43	48
3.17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25.3	29	33	39
3.18	...	...	...	...	...	14.4	16.6	19.3	21.9	24.5	27.1	29.7	32.7	35.8	38.8	42.4	46	50	55
3.20	15.1	16.7	18.7	20.2	22.3	24.3	26.3	28.8	31.3	33.9	36.4	38.9	41.9	44.9	47.9	51.4	55	59	64
3.40	15.2	16.8	18.8	20.4	22.4	24.4	26.4	29.0	31.5	34.0	36.5	39.0	42.0	45.1	48.1	51.6	55	59	64
3.41	...	...	...	...	...	14.7	16.9	19.5	22.2	24.8	27.4	29.9	33.0	36.1	39.1	42.7	46	50	55
3.43	11.2	12.8	15.0	16.5	18.6	20.7	22.7	25.3	27.8	30.4	32.9	35.4	38.5	41.5	44.5	48.0	52	56	61
3.58	15.3	16.9	18.9	20.5	22.5	24.5	26.6	29.1	31.6	34.1	36.6	39.1	42.2	45.2	48.2	51.7	55	59	64
3.61	...	...	...	...	...	14.8	17.0	19.7	22.4	25.0	27.6	30.1	33.2	36.3	39.3	42.9	46	50	56
3.64	...	...	...	...	...	...	...	...	...	17.6	20.5	23.2	26.4	29.6	32.7	36.3	40	44	49
3.83	...	...	...	...	...	15.0	17.2	19.9	22.6	25.2	27.8	30.4	33.4	36.5	39.5	43.1	47	51	56
3.84	15.5	17.0	19.1	20.6	22.6	24.7	26.7	29.2	31.7	34.3	36.8	39.3	42.3	45.3	48.3	51.8	55	59	64
	.93	**.94**	**.95**	**.97**	**.98**	**.99**	**1.00**	**1.02**	**1.03**	**1.04**	**1.05**	**1.06**	**1.08**	**1.09**	**1.10**	**1.11**	**1.12**	**1.13**	**1.14**
3.87	...	...	...	...	...	...	...	...	...	17.9	20.7	23.4	26.7	29.8	33.0	36.6	40	44	49
3.88	11 5	13.1	15.3	16.9	18.9	21.0	23.1	25.6	28.2	30.7	33.2	35.8	38.8	41.8	44.8	48.4	52	56	61
4.03	...	...	...	...	...	15.2	17.4	20.1	22.7	25.4	27.9	30.5	33.6	36.7	39.7	43.3	47	51	56
4.06	15.6	17.1	19.2	20.7	22.8	24.8	26.8	29.3	31.9	34.4	36.9	39.4	42.4	45.4	48.4	51.9	55	59	64
4.19	...	...	...	...	...	...	...	...	...	18.2	21.0	23.8	27.0	30.2	33.3	36.9	41	45	50
4.21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22.9	26.9	31	35	44
4.23	11.7	13.3	15.5	17.0	19.1	21.2	23.3	25.8	28.4	30.9	33.5	36.0	39.0	42.0	45.1	48.6	52	56	61
4.26	...	...	...	...	...	15.3	17.6	20.3	22.9	25.5	28.1	30.7	33.8	36.8	39.9	43.4	47	51	56
4.50	11.8 ...	13.4 ...	15.6 ...	17.2 ...	19.3 ...	21.3 ...	23.4 ...	26.0 ...	28.5 ...	31.1 18.4	33.6 21.3	36.1 24.0	39.2 27.3	42.2 30.4	45.2 33.6	48.7 37.2	52 41	46 45	61 50
4.66	...	...	...	...	13.3	15.6	17.8	20.5	23.2	25.8	28.4	31.0	34.0	37.1	40.2	43.7	47	51	56
4.73	...	13.5	15.7	17.3	19.4	21.4	23.5	26.1	28.6	31.2	33.7	36.2	39.3	42.3	45.3	48.8	52	56	61
4.75	...	...	...	...	...	...	...	...	...	18.6	21.5	24.2	27.4	30.6	33.8	37.4	41	45	50
4.88	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23.5	27.6	31	36	41
5.04	...	...	...	...	...	...	...	...	...	18.8	21.6	24.4	27.6	30.8	34.0	37.6	41	45	50
5.07	12.0	13.7	15.8	17.4	19.5	21.6	23.6	26.2	28.8	31.3	33.8	36.4	39.4	42.4	45.5	49.0	53	57	62
5.19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23.8	27.8	32	36	41
5.26	...	...	...	...	13.5	15.9	18.1	20.8	23.5	26.1	28.7	31.3	34.4	37.4	40.5	44.1	48	52	57
5.31	...	...	...	...	...	...	...	...	...	18.9	21.8	24.6	27.8	31.0	34.1	37.8	41	46	51
5.37	12.1	13.8	15.9	17.5	19.6	21.7	23.8	26.3	28.9	31.4	34.0	36.5	39.5	42.6	45.6	49.1	53	57	62
	.89	**.91**	**.93**	**.94**	**.96**	**.97**	**.99**	**1.00**	**1.02**	**1.03**	**1.04**	**1.05**	**1.07**	**1.08**	**1.09**	**1.10**	**1.11**	**1.12**	**1.13**
5.61	...	...	...	...	...	...	...	...	...	19.1	21.9	24.7	28.0	31.2	34.3	38.0	42	46	51
5.62	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24.1	28.1	32	36	42
5.74	...	...	...	...	13.7	16.0	18.3	21.0	23.7	26.3	28.9	31.5	34.6	37.6	40.7	44.3	48	52	57
6.03	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24.3	28.4	32	37	42
6.11	...	...	...	...	13.8	16.2	18.4	21.1	23.8	26.4	29.0	31.6	34.7	37.8	40.8	44.4	48	52	57
6.13	...	...	...	...	...	...	...	...	16.3	19.3	22.2	25.0	28.2	31.4	34.6	38.2	42	46	41
6.37	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24.5	28.6	32	39	42
6.42	...	...	...	...	13.9	16.3	18.5	21.2	23.9	26.5	29.1	31.7	34.8	37.9	40.9	44.5	48	52	57
6.76	...	...	...	...	...	...	...	...	...	...	...	...	...	20.9	24.7	28.7	33	37	42
6.89	...	...	...	...	14.1	16.4	18.6	21.4	24.0	26.7	29.3	31.9	34.9	38.0	41.1	44.7	48	52	57
6.93	...	...	...	...	...	...	...	...	16.6	19.6	22.5	25.3	28.5	31.7	34.9	38.5	42	46	51
7.12	...	...	...	...	...	...	...	...	...	...	...	...	...	21.1	24.8	28.9	33	37	43
7.29	...	...	...	...	14.1	16.5	18.7	21.4	24.1	26.8	29.4	32.0	35.1	38.1	41.2	44.8	48	52	57
7.52	...	...	...	...	...	...	...	...	...	...	...	...	...	21.2	25.0	29.1	33	37	43
7.56	...	...	...	...	...	...	...	...	16.7	19.8	22.7	25.4	28.7	31.9	35.1	38.7	42	46	52
8.05	...	...	...	...	...	...	...	...	16.9	19.9	22.8	25.6	28.8	32.0	35.2	38.9	42	47	52
8.22	...	...	...	...	...	...	...	...	...	...	...	...	...	21.4	25.2	29.3	33	38	43
8.46	...	...	...	...	...	...	...	...	17.0	20.0	22.9	25.7	28.9	32.1	35.3	39.0	43	47	52
9.07	...	...	...	...	...	...	...	...	17.1	20.1	23.0	25.8	29.1	32.3	35.4	39.1	43	47	52
9.29	...	...	...	...	...	...	...	...	...	...	...	...	...	21.7	25.5	29.6	34	38	43
	...	**...**	**...**	**...**	**.79**	**.84**	**.88**	**.91**	**.94**	**.96**	**.98**	**1.00**	**1.02**	**1.04**	**1.05**	**1.07**	**1.08**	**1.09**	**1.10**
9.60	...	...	...	...	...	...	...	...	17.2	20.2	23.1	25.9	29.2	32.4	35.5	39.2	43	47	52
10.14	...	...	...	...	...	...	...	...	...	...	...	...	...	21.9	25.6	29.8	34	38	43
10.79	...	...	...	...	...	...	...	...	...	...	...	...	...	22.0	25.8	29.9	34	38	44
11.34	...	...	...	...	...	...	...	...	...	...	...	...	...	22.1	25.8	30.0	34	38	44
12.16	...	...	...	...	...	...	...	...	...	...	...	...	...	22.2	26.0	30.1	34	38	44
12.87	...	...	...	...	...	...	...	...	...	...	...	...	...	22.3	26.1	30.2	34	39	4
	...	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**.78**	**.86**	**.92**	**.96**	**1.00**	**1.01**

Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values
NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

5VX D-V Wedge Single Belts to 200" POLYBAND to 200"

5V D-V Wedge Single Belts over 200" POLYBAND over 200"

STOCK DRIVE SELECTION

Ratio	Stock Sheaves Diameter		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**							
			Driven	HP/Belt		Driven	HP/Belt		Driven	HP/Belt		5VX	5VX	5VX	5VX	5VX	5VX	5VX	5VX
	Driver	Driven	RPM	5VX	5V	RPM	5VX	5V	RPM	5VX	5V	500	560	600	630	670	710	750	800
	4.40	4.40	1750	8.2	3.9	1160	5.9	3.1	870	5.6	2.6	18.1	21.1	23.1	24.6	26.6	28.6	30.6	33.1
	4.65	4.65	1750	9.4	5.0	1160	6.1	3.9	870	5.3	3.2	17.7	20.7	22.7	24.2	26.2	28.2	30.2	32.7
	4.90	4.90	1750	10.6	6.2	1160	7.5	4.7	870	5.9	3.8	17.3	20.3	22.3	23.8	25.8	27.8	29.8	32.3
	5.20	5.20	1750	11.9	7.5	1160	8.5	5.6	870	6.6	4.5	16.8	19.8	21.8	23.3	25.3	27.3	29.3	31.8
	5.50	5.50	1750	13.3	8.8	1160	9.4	6.6	870	7.3	5.2	16.4	19.4	21.4	22.9	24.9	26.9	28.9	31.4
	5.90	5.90	1750	15.1	10.6	1160	10.7	7.8	870	8.3	6.2	15.7	18.7	20.7	222	24.2	26.2	28.2	30.7
	6.30	6.30	1750	16.9	12.6	1160	11.9	9.0	870	9.3	7.1	15.1	18.1	20.1	21.6	23.6	25.6	27.6	30.1
	6.70	6.70	1750	18.7	13.9	1160	13.2	10.2	870	10.4	8.1	14.5	17.5	19.5	21.0	23.0	25.0	27.0	29.5
	7.10	7.10	1750	20.4	15.6	1160	14.4	11.4	870	11.0	9.0	13.9	16.8	18.8	20.3	22.3	24.3	26.3	28.8
	7.50	7.50	1750	22.1	17.2	1160	15.6	12.6	870	12.2	9.9	13.2	16.2	18.2	19.7	21.7	23.7	25.7	28.2
	8.00	8.00	1750	24.3	19.2	1160	17.0	14.1	870	13.3	11.1	12.4	15.4	17.4	18.9	20.9	22.9	24.9	27.4
1.00	8.50	8.50	1750	26.4	21.2	1160	18.7	15.5	870	14.0	12.2	11.7	14.6	16.6	18.1	20.1	22.1	24.1	26.6
	9.00	9.00	1750	28.4	23.0	1160	20.1	17.0	870	15.7	13.4	10.9	13.9	15.9	17.4	19.4	21.4	23.4	25.9
	9.25	9.25	1750	29.4	24.0	1160	20.9	17.7	870	16.4	13.9	10.5	13.5	15.5	17.0	19.0	21.0	23.0	25.5
	9.75	9.75	1750	31.4	25.8	1160	22.4	19.1	870	17.4	15.1	...	12.7	14.7	16.2	18.2	20.2	22.2	24.7
	10.30	10.30	1750	33.6	27.7	1160	24.0	20.6	870	18.6	16.3	...	11.8	13.8	15.3	17.3	19.3	21.3	23.8
	10.90	10.90	1750	35.9	29.7	1160	25.7	22.2	870	20.2	17.6	...	...	12.9	14.4	16.4	18.4	20.4	22.9
	11.30	11.30	1750	37.4	31.0	1160	26.8	23.3	870	20.9	18.5	...	...	...	13.8	15.8	17.8	19.8	22.3
	11.80	11.80	1750	39.3	32.6	1160	28.2	24.6	870	22.0	19.5	...	...	...	...	15.0	17.0	19.0	21.5
	12.50	12.50	1750	41.8	34.7	1160	30.2	26.4	870	23.6	21.0	...	...	...	...	...	15.9	17.9	20.4
	13.20	13.20	1750	44.2	38.7	1160	31.1	28.2	870	25.1	22.5	...	...	...	...	...	...	16.8	19.3
	14.00	14.00	1750	46.9	38.8	1160	34.3	30.2	870	26.9	24.1	...	...	...	...	...	...	...	18.0
	15.00	15.00	1750	...	...	1160	...	...	870	29.0	26.2	...	...	...	...	...	...	...	...
	16.00	16.00	1750	...	...	1160	...	...	870	31.1	28.1	...	...	...	...	...	...	...	...
1.03	9.00	9.25	1702	28.6	23.3	1128	20.3	17.1	845	15.7	13.5	1.07	13.7	15.7	17.2	19.2	21.2	23.2	25.7
1.04	10.90	11.30	1688	36.1	30.1	1119	25.8	22.4	837	20.1	17.7	...	...	12.6	14.1	16.1	18.1	20.1	22.6
	11.30	11.80	1675	37.7	31.4	1110	27.0	23.5	837	21.0	18.6	...	...	...	...	15.4	17.4	19.4	21.9
1.05	4.65	4.90	1659	9.7	5.4	1100	6.9	4.2	829	5.4	3.4	17.5	20.5	22.5	24.0	26.0	28.0	30.0	32.5
	9.25	9.75	1659	29.8	24.4	1100	21.1	17.9	829	16.4	14.1	...	13.1	15.1	16.6	18.6	20.6	22.6	25.1
	4.40	4.65	1654	8.6	4.3	1096	6.1	3.4	821	4.8	2.8	17.9	20.9	22.9	24.4	26.4	28.4	30.4	32.9
	4.90	5.20	1654	10.9	6.6	1096	7.7	5.0	821	6.1	4.0	17.1	20.1	22.1	23.6	56.6	27.6	29.6	32.1
	5.20	5.50	1653	12.3	7.9	1092	8.7	5.9	821	6.8	4.7	16.6	19.6	21.6	23.1	25.1	27.1	29.1	31.6
	6.30	6.70	1644	17.3	12.8	1090	12.2	9.3	821	9.5	7.4	14.8	17.8	19.8	21.3	23.3	25.3	27.3	29.8
	6.70	7.10	1650	19.0	14.4	1094	13.4	10.5	821	10.4	8.3	14.2	17.2	19.2	20.7	22.7	24.7	26.7	29.2
	7.10	7.50	1655	20.7	16.0	1097	14.6	11.7	821	11.4	9.3	13.5	16.5	18.5	20.0	22.0	24.0	26.0	28.5
1.06	8.00	8.50	1646	24.6	19.7	1091	17.4	14.4	821	13.5	11.3	12.0	15.0	17.0	18.5	20.5	22.5	24.5	27.0
	8.50	9.00	1652	26.7	21.6	1095	18.9	15.8	821	14.7	12.5	11.3	14.3	16.3	17.8	19.8	21.8	23.8	26.3
	9.75	10.30	1656	31.8	26.2	1097	22.6	19.4	821	17.6	15.3	...	12.2	14.3	15.8	17.8	19.8	21.8	24.3
	10.30	10.90	1653	33.9	28.2	1096	24.2	20.9	821	18.8	16.5	...	...	13.3	14.8	16.8	18.8	20.8	23.3
	11.80	12.50	1651	39.6	33.1	1095	28.5	24.9	821	22.2	19.8	...	...	...	...	14.4	16.4	18.4	20.9
	12.50	13.20	1656	42.1	35.1	1098	30.4	26.7	821	23.8	21.3	...	...	...	...	...	15.3	17.3	19.8
	13.20	14.00	1649	44.6	37.1	1093	32.4	28.5	821	25.3	22.7	...	...	...	...	...	...	16.1	18.6
ARC-LENGTH CORRECTION FACTOR —>												**.85**	**.87**	**.88**	**.89**	**.90**	**.91**	**.92**	**.93**
	5.50	5.90	3259	13.7	9.4	1080	9.7	6.9	813	7.6	5.5	16.0	19.0	21.0	22.5	24.5	26.5	28.5	31.0
	5.90	6.30	1629	15.5	11.1	1085	10.9	8.1	813	8.5	6.4	15.4	18.4	20.4	21.9	23.9	25.9	27.9	30.4
1.07	7.50	8.00	1637	22.5	17.7	1087	15.9	12.9	813	12.3	10.2	12.8	15.8	17.8	19.3	21.3	23.3	25.3	27.8
	14.00	15.00	1639	47.0	39.3	1082	34.6	30.5	813	27.1	24.4	...	...	...	...	...	...	...	17.2
	15.00	16.00	1633	...	...	1087	37.2	32.9	813	29.2	26.4	...	...	...	...	...	...	...	...
1.08	9.00	9.75	1640	28.9	23.6	1070	20.5	17.3	806	15.9	13.7	..	13.3	15.3	16.8	18.8	20.8	22.8	25.3
	10.90	11.80	1614	36.4	30.3	1071	26.0	22.6	806	20.3	17.9	...	...	...	13.7	15.7	17.7	19.7	22.2
1.09	8.50	9.25	1615	26.8	21.8	1065	19.0	16.0	798	14.7	12.6	11.1	14.1	16.1	17.6	19.6	21.6	23.6	26.1
1.10	10.30	11.30	1607	34.1	28.4	1056	24.3	21.1	791	18.9	16.6	...	...	13.0	14.5	16.5	18.5	20.5	23.0
1.11	9.25	10.30	1594	30.3	24.7	1041	21.3	18.2	784	16.5	14.3	...	12.6	14.6	16.1	18.1	20.1	22.1	24.6
	11.30	12.50	1570	38.0	31.8	1048	27.2	23.8	784	21.2	18.8	...	...	...	...	14.8	16.8	18.8	21.3
	4.40	4.90	1581	8.8	4.7	1039	6.3	3.6	777	4.9	3.0	17.7	20.7	22.7	24.2	26.2	28.2	30.2	32.7
	4.65	5.20	1568	10.0	5.8	1035	7.1	4.4	777	5.6	3.6	17.3	20.3	22.3	23.8	25.8	27.8	29.8	32.3
1.12	6.70	7.50	1561	19.3	14.7	1035	13.6	10.7	777	10.6	8.5	13.8	16.8	18.8	20.3	22.3	24.3	26.3	28.9
	9.75	10.90	1561	32.0	26.6	1036	22.8	19.6	777	17.7	15.4	...	...	13.8	15.3	17.3	19.3	21.3	23.8
	11.80	13.20	1564	39.9	33.4	1036	28.6	25.1	777	22.3	19.9	...	...	...	...	13.9	15.8	17.9	20.4
	12.50	14.00	1563	42.4	35.5	1035	30.6	27.0	777	23.9	21.4	...	...	...	...	...	14.7	16.7	19.2

NOTE: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long

** Stock belt size 5VX530 not shown

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

5VX	D-V Wedge Single Belts to 200” POLYBAND to 200”

5V	D-V Wedge Single Belts over 200” POLYBAND over 200”

STOCK DRIVE SELECTION

Ratio	Belt Number and Approx. Center Distance**																						
	5VX 850	5VX 900	5VX 950	5VX 1000	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2800	5V 3150	5V 3550
1.00	35.6	38.1	40.6	43.1	46.1	49.1	52.1	55.6	59.1	63.1	68	73	78	83	88	93	99	105	111	118	133	151	171
	35.2	37.7	40.2	42.7	45.7	48.7	51.7	552	58.7	62.7	68	73	78	83	88	93	99	105	111	118	133	150	170
	34.8	37.3	39.8	42.3	45.3	48.3	51.3	54.8	58.3	62.3	67	72	77	82	87	92	98	104	110	117	132	1550	170
	34.3	36.8	39.3	41.8	44.8	47.8	50.8	54.3	57.8	61.8	67	72	7	82	87	92	98	104	110	117	132	149	169
	33.9	36.4	38.9	41.4	44.4	47.4	50.4	53.9	57.4	61.4	66	71	76	81	86	91	97	103	109	116	131	149	169
	33.2	35.7	38.2	40.7	43.7	46.7	49.7	53.2	56.7	60.7	66	71	76	81	86	91	97	103	109	116	131	148	168
	32.6	35.1	37.6	40.1	43.1	46.1	49.1	52.6	56.1	60.1	65	70	75	80	85	90	96	102	108	115	130	148	168
	32.0	34.5	37.0	39.5	42.5	45.5	48.5	52.0	55.5	59.5	64	69	74	79	84	89	95	101	107	115	129	147	167
	31.3	33.8	36.3	38.8	41.8	44.8	47.8	51.3	54.8	58.8	64	69	74	79	84	89	95	101	107	114	129	146	168
	30.7	33.2	35.7	38.2	41.2	44.2	47.2	50.7	54.2	58.2	63	68	73	78	83	88	94	100	106	113	128	146	166
	29.9	32.4	34.9	37.4	40.4	43.4	46.4	49.9	53.4	57.4	62	67	72	77	82	87	93	99	105	112	127	150	165
	29.1	31.6	34.1	38.6	39.6	42.6	45.6	49.1	52.6	56.6	62	67	72	77	82	89	93	99	105	112	127	144	164
	28.4	30.9	33.4	35.9	38.9	41.9	44.9	48.4	51.9	55.9	61	66	71	76	81	86	92	98	104	111	126	143	163
	28.0	30.5	33.0	35.5	38.5	41.5	44.5	48.0	51.5	55.5	60	65	71	75	80	85	91	97	103	111	125	143	163
	27.2	29.7	32.2	34.7	37.7	40.7	43.7	47.2	50.7	54.7	60	65	70	75	80	85	91	97	102	110	124	143	162
	26.3	28.8	31.3	33.8	38.8	39.8	42.8	46.3	49.8	53.8	59	64	69	74	79	84	90	96	102	109	124	141	161
	25.4	27.9	30.4	32.9	35.9	38.9	41.9	45.4	48.9	52.9	58	63	68	73	78	83	89	95	1010	107	123	140	160
	24.8	27.3	29.8	32.3	35.3	38.3	41.3	44.8	48.3	52.3	57	62	67	72	77	82	88	94	100	107	122	140	160
	24.0	26.5	29.0	31.5	34.5	37.5	40.5	44.0	47.5	51.5	56	61	66	72	76	81	87	93	99	106	121	139	159
	22.9	25.4	27.9	30.4	33.4	36.4	39.4	42.9	46.4	50.4	55	60	65	70	75	80	86	92	98	105	120	138	158
	21.8	24.3	26.8	29.3	32.3	35.3	38.3	41.8	45.3	49.3	54	59	64	69	74	79	85	91	97	104	119	137	157
	20.5	23.0	25.5	28.0	31.0	34.0	37.0	40.5	44.0	48.0	53	58	63	68	73	78	84	90	96	103	118	136	155
	19.0	21.4	23.9	26.4	29.4	32.4	35.4	38.9	42.4	46.4	51	56	61	66	71	76	82	88	94	101	116	134	154
	...	19.9	22.4	24.9	27.9	30.9	33.9	37.4	40.9	44.9	50	55	60	645	70	75	81	87	93	100	115	132	152
1.03	28.2	30.7	33.2	35.7	38.7	41.7	44.7	48.2	51.7	55.7	61	66	71	76	81	86	92	98	104	111	126	143	163
1.04	25.1	27.6	30.1	32.6	35.6	38.6	41.6	45.1	48.6	52.6	58	63	68	73	78	83	89	95	101	108	123	140	160
	24.4	26.9	29.4	31.9	34.9	37.9	40.9	44.4	47.9	51.9	57	62	67	72	77	81	88	94	100	107	122	139	159
1.05	35.0	37.5	40.0	42.5	45.5	48.5	51.5	55.0	58.5	62.5	68	72	77	82	87	92	98	104	110	117	132	150	170
	27.6	30.1	32.6	35.1	38.1	41.1	44.1	47.6	51.1	55.1	60	65	70	75	80	85	91	97	103	110	125	143	163
1.06	35.4	37.9	40.4	42.9	45.9	48.9	51.9	55.4	58.9	62.9	68	73	78	83	88	93	99	105	111	118	133	150	170
	34.6	3438	37.3	39.8	42.8	45.8	48.8	52.3	55.8	59.5	65	70	75	80	85	90	96	102	108	115	130	147	167
	34.1	36.6	39.1	41.6	44.6	47.6	50.6	54.1	57.6	61.6	67	72	77	82	87	92	98	104	110	117	132	149	169
	32.3	37.1	39.6	42.1	45.1	4831	51.1	54.6	58.1	62.1	67	72	77	82	87	92	98	104	110	117	132	150	170
	31.7	34.2	36.7	39.2	42.2	45.2	48.2	51.7	55.2	59.2	64	69	74	79	84	89	95	101	107	114	129	147	167
	31.0	33.5	38.0	38.5	41.5	44.5	47.5	51.0	54.5	58.5	64	68	74	78	83	88	94	100	106	113	128	146	166
	29.5	32.0	34.5	37.0	40.0	43.0	46.0	49.5	53.0	57.0	62	67	72	77	82	87	93	99	105	112	127	144	164
	28.8	31.3	33.8	36.3	39.3	42.3	45.3	46.8	52.3	56.3	61	66	71	76	81	86	92	98	104	111	126	144	164
	26.8	29.3	31.8	34.3	37.3	40.3	43.3	46.8	50.3	54.3	59	64	69	74	79	84	90	96	102	109	124	142	162
	25.9	28.3	30.8	33.3	35.3	39.3	42.3	45.8	49.3	53.3	58	63	68	73	78	83	89	95	101	108	123	141	161
	23.4	25.9	28.4	30.9	33.9	36.9	39.9	43.4	46.9	50.9	56	61	66	71	76	81	87	93	99	106	121	138	158
	22.3	24.8	27.3	29.8	32.8	35.8	38.8	42.3	45.8	49.8	55	60	65	70	75	80	86	92	98	105	120	137	157
	21.1	23.6	26.1	28.6	31.6	34.6	37.6	41.1	44.6	48.6	54	59	64	69	74	79	85	91	97	104	119	36	156
	.94	.95	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.09	1.10	1.11	1.13	1.15	1.17
1.07	33.6	36.0	38.5	41.0	44.0	47.0	50.0	53.5	57.0	61.0	66	71	76	81	86	91	97	103	109	116	131	147	169
	32.9	35.4	37.9	40.4	43.4	46.4	49.4	52.9	56.4	60.4	65	70	75	80	85	90	96	102	108	115	130	148	168
	30.3	32.8	35.3	37.8	40.8	43.8	46.8	50.3	53.8	57.8	63	68	73	78	83	88	94	100	106	113	128	145	165
	19.7	22.2	24.7	27.2	30.2	33.2	36.2	39.7	43.2	47.2	52	57	62	67	72	77	83	89	95	102	117	135	155
	18.2	20.6	23.1	25.6	28.6	31.6	34.6	38.1	41.6	45.6	51	56	61	66	71	76	82	88	94	101	116	133	153
1.08	27.8	30.3	32.8	35.3	38.3	41.3	44.3	47.8	51.3	55.3	60	65	70	75	80	85	91	97	103	110	125	143	163
	24.7	27.2	29.7	32.2	35.2	38.2	41.2	44.7	48.2	52.2	57	62	67	72	77	82	88	94	100	107	122	140	160
1.09	28.6	31.1	33.6	36.1	39.1	42.1	45.1	48.6	52.1	56.1	61	66	71	76	81	86	92	98	104	111	126	144	164
1.10	25.5	28.0	30.5	33.0	36.0	39.0	42.0	45.5	49.0	53.0	58	63	68	73	78	83	89	95	101	108	123	140	160
1.11	27.1	29.6	32.1	34.6	37.6	40.6	43.6	47.1	50.6	54.6	60	65	70	75	80	85	91	97	103	110	125	142	162
	23.8	26.3	28.8	31.3	34.3	37.3	40.3	43.8	47.3	51.3	56	61	66	71	76	81	87	93	99	106	121	139	159
1.12	35.2	37.7	40.2	42.7	45.7	48.7	51.7	55.2	58.7	62.7	68	73	78	83	88	93	99	105	111	118	133	150	170
	34.8	37.3	39.8	42.3	45.3	48.3	51.3	54.8	58.3	62.3	67	72	77	82	87	92	98	104	110	117	132	150	170
	31.4	33.9	36.4	38.9	41.9	44.9	47.9	51.4	54.9	58.9	64	69	74	79	84	89	95	101	107	114	129	146	166
	26.3	28.8	31.3	33.8	36.8	39.8	42.8	46.3	49.8	53.8	59	64	69	74	79	84	90	96	102	109	124	141	161
	22.9	25.4	27.9	30.4	33.4	36.4	39.4	42.9	46.4	50.4	55	60	65	70	75	80	86	92	98	105	120	138	158
	21.7	24.2	26.7	29.2	32.2	35.2	38.2	41.7	45.2	49.2	54	59	64	69	74	79	85	91	97	104	119	137	157

NOTES: ** Stock belt size 5V2650 & 5V3350 not shown
Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

5VX D-V Wedge Single Belts to 200" POLYBAND to 200"

5V D-V Wedge Single Belts over 200" POLYBAND over 200"

STOCK DRIVE SELECTION

Ratio	Stock Sheaves Diameter		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**							
			Driven	HP/Belt		Driven	HP/Belt		Driven	HP/Belt		5VX	5VX	5VX	5VX	5VX	5VX	5VX	5VX
	Driver	Driven	RPM	5VX	5V	RPM	5VX	5V	RPM	5VX	5V	500	560	600	630	670	710	750	800
1.13	4.90	5.50	1556	11.2	7.0	1031	7.9	5.2	770	6.2	4.2	16.8	19.8	21.8	23.3	25.3	27.3	29.3	31.8
	6.30	7.10	1550	17.5	13.1	1027	12.4	9.6	770	9.6	7.6	14.5	17.5	19.5	21.0	23.0	25.2	27.2	29.5
	7.10	8.00	1551	21.1	16.4	1028	14.8	12.0	770	11.5	9.4	13.1	16.1	18.1	19.6	21.6	23.6	25.6	28.1
	8.00	9.00	1553	24.9	20.2	1030	17.6	14.6	770	13.6	11.5	11.6	14.6	16.6	18.1	20.1	22.1	24.1	26.6
1.14	5.20	5.90	1539	12.6	8.4	1020	8.9	6.2	763	6.9	4.9	16.3	19.3	21.3	22.8	24.8	26.8	28.8	31.3
	5.90	6.70	1538	15.8	11.4	1019	11.1	8.4	763	8.7	6.6	15.1	18.1	20.1	21.6	23.6	25.6	27.6	30.1
	7.50	8.50	1542	22.8	18.1	1022	16.1	13.2	763	12.5	10.4	12.4	15.4	17.4	18.9	20.9	22.9	24.9	27.4
	13.20	15.00	1539	44.9	37.6	1020	32.6	28.8	763	25.5	22.9	...	...	...	...	...	...	...	17.8
	14.00	16.00	1530	47.6	39.6	1014	34.7	30.8	763	27.2	24.6	...	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>												**.85**	**.87**	**.86**	**.89**	**.90**	**.91**	**.91**	**.92**
1.15	5.50	6.30	1524	14.0	9.7	1010	9.9	7.2	757	7.7	5.7	15.7	18.7	20.7	22.2	24.2	26.2	28.2	30.7
	8.50	9.75	1523	27.1	22.4	1010	19.1	16.1	757	14.9	12.7	...	13.7	15.7	17.2	19.2	21.2	23.2	25.7
	9.00	10.30	1527	29.1	24.0	1012	20.6	17.6	757	16.0	13.8	...	12.8	14.8	16.3	18.3	20.3	22.3	24.8
	10.30	11.80	1526	34.3	28.6	1011	24.4	21.2	757	19.0	16.7	...	...	1.26	14.1	16.1	18.1	20.1	22.6
	10.90	12.50	1524	38.6	30.7	1010	26.2	22.8	757	20.4	18.1	...	...	...	1.31	15.1	17.1	19.1	21.6
1.16	8.00	9.25	1511	25.0	20.2	1002	17.6	14.7	750	13.7	11.6	11.4	14.4	16.4	17.9	19.9	21.9	23.9	26.4
	9.75	11.30	1508	32.2	26.7	999	22.8	19.7	750	17.8	15.5	...	...	13.5	14.9	16.9	19.0	21.0	23.5
1.17	11.30	13.20	1496	38.2	32.0	992	27.3	24.0	744	21.3	19.0	...	...	...	...	...	16.2	18.2	20.7
	16.00	18.70	1496	...	...	992	40.0	35.5	744	31.5	28.6	...	...	...	...	...	...	...	...
1.18	9.25	10.90	1483	30.2	25.0	983	21.4	18.4	737	16.6	14.4	...	12.2	14.2	15.7	17.7	19.7	21.7	24.2
ARC-LENGTH CORRECTION FACTOR —>												**.85**	**.87**	**.86**	**.89**	**.90**	**.91**	**.91**	**.92**
1.19	4.40	5.20	1475	9.1	5.0	978	6.4	3.8	731	5.1	3.1	17.5	20.5	22.5	24.0	26.0	28.0	30.0	32.5
	4.65	5.50	1475	10.2	6.1	977	7.3	4.6	731	5.7	3.7	17.0	20.0	22.0	23.5	25.5	27.5	29.5	32.0
	6.30	7.50	1466	17.7	13.4	972	12.5	9.7	731	9.7	7.7	14.1	17.2	19.2	20.7	22.7	24.7	26.7	29.2
	11.80	14.00	1473	40.1	33.7	976	28.8	25.3	731	22.4	20.1	...	...	...	...	...	15.2	17.2	19.7
1.20	6.70	8.00	1462	19.5	15.1	969	13.7	11.0	725	10.7	8.6	13.4	16.4	18.4	19.9	22.0	24.0	26.0	28.5
	7.10	8.50	1458	21.3	16.7	967	15.0	12.2	725	11.6	9.6	12.7	15.7	17.7	19.2	21.2	23.2	25.2	27.7
	7.50	9.00	1455	23.0	18.4	964	16.2	13.4	725	12.6	10.5	12.0	15.0	17.0	18.5	20.5	22.5	24.5	27.0
	12.50	15.00	1456	42.6	35.8	965	30.8	27.2	725	24.0	21.6	...	...	...	...	...	...	15.9	18.4
1.21	4.90	5.90	1448	11.4	7.3	960	8.1	5.4	719	6.3	4.4	16.5	19.5	21.5	23.0	25.0	27.0	29.0	31.5
	5.90	7.10	1450	16.0	11.7	961	11.3	8.5	719	8.8	6.8	14.8	17.8	19.8	21.3	23.3	25.3	27.3	29.8
	8.50	10.30	1441	27.2	22.3	955	19.2	16.3	719	14.9	12.8	...	13.2	15.2	16.7	18.7	20.7	22.7	25.2
	9.00	10.90	442	29.3	24.2	956	20.7	17.7	719	16.1	14.0	...	12.3	14.3	15.8	17.8	19.8	21.9	24.4
	9.75	11.80	1443	32.3	26.9	957	22.9	19.8	719	17.8	15.6	...	...	13.0	14.5	16.5	18.5	20.5	23.1
	10.90	13.20	1443	38.8	30.9	956	26.3	23.0	719	20.5	18.2	...	...	...	...	14.5	16.5	18.5	21.0
	13.20	16.00	1442	45.1	37.8	956	32.7	29.0	719	25.6	23.1	...	...	...	...	...	...	...	17.0
1.22	5.20	6.30	1440	12.8	8.7	954	9.1	6.4	713	7.1	5.1	16.0	19.0	21.0	22.5	24.5	26.5	28.5	31.0
	5.50	6.70	1432	14.2	10.0	949	10.0	7.3	713	7.8	5.8	15.4	18.4	20.4	21.9	23.9	56.9	27.9	30.4
	8.00	9.75	1433	25.2	20.4	950	17.7	14.9	713	13.8	11.7	...	14.0	16.0	17.5	19.5	21.5	23.5	26.0
	9.25	11.30	1430	30.3	25.2	948	21.5	18.5	713	16.7	14.5	...	...	13.8	15.3	17.3	19.3	21.3	23.8
	10.30	12.50	1440	34.5	28.9	954	24.6	21.4	713	19.1	16.9	...	...	...	13.6	15.6	17.6	19.6	22.1
1.24	7.50	9.25	1415	23.1	18.5	938	16.3	13.4	702	12.6	10.5	11.8	14.8	16.8	18.3	20.3	22.3	24.3	26.8
	11.30	14.00	1410	38.4	32.3	935	27.5	24.1	702	21.4	19.0	...	...	...	...	...	15.6	17.6	20.1
1.25	15.00	18.70	1402	...	...	929	37.6	33.4	696	29.5	26.8	...	...	...	...	...	...	...	...
1.26	4.40	5.50	1394	9.2	5.2	924	6.6	3.9	690	5.1	3.2	17.2	20.2	22.2	23.7	25.7	27.7	29.7	32.2
	9.00	11.30	1391	29.4	24.3	922	20.8	17.8	690	16.1	14.0	...	12.0	14.0	15.5	17.5	19.5	21.5	24.0
1.27	4.65	5.90	1373	10.4	6.4	910	7.4	4.9	685	5.8	3.8	16.7	19.7	21.7	23.2	25.2	27.2	29.2	31.7
	6.30	8.00	1373	17.9	13.6	910	12.6	9.9	685	9.8	7.8	13.7	16.7	18.7	20.3	22.3	24.3	26.3	28.8
	6.70	8.50	1375	19.7	15.3	911	13.8	11.1	685	10.7	8.7	13.0	16.0	18.0	19.5	21.5	23.6	25.6	28.1
	7.10	9.00	1376	21.4	16.9	912	15.1	12.3	685	11.7	9.7	12.3	15.3	17.3	18.8	20.8	22.8	24.8	27.3
	11.80	15.00	1374	40.3	33.9	911	28.9	25.5	685	22.5	20.2	...	...	...	...	...	...	16.4	18.9
1.28	5.90	7.50	1372	16.1	11.9	909	11.4	8.7	680	8.8	6.9	14.5	17.5	19.5	21.0	23.0	25.0	27.0	29.5
	9.25	11.80	1369	30.5	25.3	907	21.6	18.6	680	16.8	14.6	...	...	13.4	14.9	16.9	18.9	20.9	23.4
	9.75	12.50	1362	32.5	27.1	903	23.0	20.0	680	17.9	15.7	...	...	...	14.0	16.0	18.0	20.0	22.5
	10.30	13.20	1363	34.6	29.1	903	24.6	21.5	680	19.2	16.9	...	...	...	...	15.0	17.0	19.0	21.5
	12.50	16.00	1365	42.8	36.0	905	30.9	27.3	680	24.1	21.7	...	...	...	...	...	...	...	17.5
1.29	4.90	6.30	1355	11.6	7.5	898	8.2	5.6	674	6.4	4.5	162	192	21.2	22.7	24.7	26.7	28.7	31.2
	5.20	6.70	1352	13.0	8.9	896	9.2	6.5	674	7.1	5.2	15.6	1836	20.6	22.1	24.1	26.4	28.1	30.6
	8.00	10.30	1355	25.3	20.6	898	17.8	15.0	674	13.9	11.8	...	13.6	15.6	17.1	19.1	21.1	23.1	25.6
	8.50	10.90	1361	27.4	22.5	902	19.3	16.4	674	15.0	12.9	...	12.7	14.7	16.2	18.2	20.2	22.2	24.7
	10.90	14.00	1360	37.0	31.1	901	26.4	23.1	674	20.5	18.3	...	...	...	...	13.9	15.9	17.9	20.4

NOTE: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long

** Stock belt size 5VX530 not shown

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

5VX	D-V Wedge Single Belts to 200” POLYBAND to 200”

5V	D-V Wedge Single Belts over 200” POLYBAND over 200”

STOCK DRIVE SELECTION

Ratio	Belt Number and Approx. Center Distance**																					
	5VX 850	5VX 900	5VX 950	5VX 1000	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2500	5V 2800	5V 3150	5V 3550
	34.3	36.8	39.3	41.8	44.8	47.8	50.8	54.3	57.8	61.8	67	72	77	82	87	92	98	104	117	132	149	169
1.13	32.0	34.5	37.0	39.5	42.5	45.5	48.5	52.0	55.5	59.5	64	69	74	79	84	89	95	101	114	129	147	167
	30.6	33.1	35.6	38.1	41.1	44.1	47.1	50.6	54.1	58.1	63	68	73	78	83	88	94	100	113	128	146	166
	29.1	31.6	34.1	36.6	39.6	42.6	45.6	49.1	52.6	56.6	62	67	72	77	82	87	93	99	112	127	144	164
	33.8	36.3	38.8	41.3	44.3	47.3	50.3	53.8	57.3	61.3	66	71	76	81	86	91	97	103	116	131	147	169
	32.6	35.1	37.6	41.1	43.1	46.1	49.1	52.6	56.1	60.1	65	70	75	80	85	90	96	102	115	130	148	168
1.14	29.9	32.4	34.9	37.4	40.4	43.4	46.4	49.9	53.4	57.4	62	67	72	77	82	87	93	99	112	127	145	165
	20.3	22.8	25.3	27.8	30.8	33.8	36.8	40.3	43.8	47.8	53	58	63	68	73	78	84	90	103	118	135	155
	18.9	21.4	23.9	26.4	29.4	32.4	35.4	38.9	42.4	46.4	51	56	61	66	71	76	82	88	101	116	134	154
	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.08	1.09	1.11	1.13	1.15	1.17
	33.2	35.7	38.2	40.7	43.7	46.7	49.7	53.2	56.7	60.7	66	71	76	81	86	91	97	103	116	131	146	168
	28.2	30.7	33.2	35.7	38.7	41.7	44.7	48.2	51.7	55.7	61	66	71	76	81	86	92	98	111	126	148	163
1.15	27.3	29.8	32.3	34.8	37.8	40.8	43.8	47.3	50.8	54.8	60	65	70	75	80	85	91	97	110	125	142	162
	25.1	27.6	30.1	32.6	35.6	38.6	41.6	45.1	48.6	52.6	58	63	68	73	78	83	89	95	108	123	140	160
	24.1	26.6	29.1	31.6	34.6	37.6	40.6	44.1	47.6	51.6	57	62	67	72	77	82	88	94	107	122	139	159
1.16	28.9	31.4	33.9	36.4	39.4	42.4	45.4	46.9	52.4	56.4	61	66	71	76	81	86	92	98	111	126	144	164
	26.0	28.5	31.0	33.5	36.5	39.5	42.5	46.0	49.5	53.5	58	63	68	73	78	83	89	95	108	123	141	161
1.17	23.2	25.7	28.3	30.8	33.8	36.8	39.8	43.3	46.8	50.8	56	61	66	71	76	81	89	93	106	121	138	158
	...	...	20.2	22.7	25.7	28.7	31.7	35.2	38.7	42.7	47	53	58	63	68	73	79	85	98	113	130	150
1.18	26.7	29.2	31.7	34.2	37.2	40.2	43.2	46.7	50.2	54.2	59	64	69	74	79	84	90	96	109	124	142	162
	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.08	1.09	1.11	1.13	1.15	1.17
	35.0	37.5	40.0	42.5	45.5	48.5	51.5	55.0	58.5	62.5	67	72	77	82	87	92	98	104	117	132	150	170
1.19	34.5	37.0	39.5	42.0	45.0	48.0	51.0	54.5	59.0	62.0	67	72	77	82	87	92	98	104	117	132	150	170
	31.7	34.2	36.7	39.2	42.2	45.2	48.2	51.7	55.2	59.2	64	69	74	79	84	89	95	101	114	129	147	167
	22.2	24.7	27.2	29.7	32.7	35.7	38.7	42.2	45.7	49.7	54	60	65	70	75	70	86	92	105	132	137	157
	31.0	33.5	36.0	38.5	41.5	44.5	47.5	51.0	54.5	58.5	63	68	73	78	83	88	94	100	113	128	146	166
1.20	30.2	32.7	35.2	37.7	40.7	43.7	46.7	50.2	53.7	57.7	63	68	73	77	83	88	94	100	113	129	145	165
	29.5	32.0	34.5	37.0	40.0	43.0	46.0	49.5	53.0	57.0	62	67	72	77	82	87	93	99	112	127	145	165
	20.9	23.4	25.9	28.4	31.4	34.4	37.4	40.9	44.4	48.4	53	58	63	68	73	78	84	90	103	118	136	156
	34.0	36.5	39.0	41.5	44.5	47.5	50.5	54.0	57.5	61.5	66	71	76	81	86	91	97	103	117	132	149	169
	32.3	34.8	37.3	39.8	42.8	45.8	48.8	52.3	55.8	59.8	65	70	75	80	85	90	96	102	115	130	147	167
	27.7	30.2	32.7	35.2	38.2	41.2	44.2	47.7	51.2	55.2	60	65	70	75	80	85	91	97	110	125	143	163
1.21	26.9	29.4	31.9	34.4	37.4	40.4	43.4	46.9	50.4	54.4	59	64	69	74	79	84	90	96	109	124	142	162
	25.6	28.1	30.6	33.1	36.1	39.1	42.1	45.6	49.1	53.1	58	63	68	73	78	83	89	95	108	123	141	161
	23.5	26.0	28.5	31.1	34.1	37.1	40.1	43.6	47.1	51.1	56	61	66	71	76	81	87	93	106	121	139	159
	19.5	22.0	24.5	27.0	30.0	33.0	36.0	39.5	43.0	47.0	52	57	62	67	72	77	83	89	102	117	135	155
	33.5	36.0	38.5	41.0	44.0	47.0	50.0	53.5	57.0	61.0	66	71	76	81	86	91	97	103	116	131	149	169
	32.9	35.4	37.9	40.4	43.4	46.4	49.4	52.9	54.4	60.4	65	70	75	80	85	90	96	102	115	130	148	168
1.22	28.5	31.0	33.5	36.0	39.0	42.1	45.1	48.6	52.1	56.1	61	66	71	76	81	86	92	98	111	125	144	164
	26.3	28.8	31.3	33.8	36.8	39.8	42.8	46.3	49.8	53.9	59	634	69	74	79	84	90	96	109	124	141	161
	24.6	27.1	29.6	32.1	35.1	38.1	41.1	44.6	48.1	52.1	57	62	67	72	77	82	88	94	107	122	140	160
1.24	29.3	31.8	34.3	36.8	39.8	42.8	45.8	49.3	52.8	56.8	62	67	72	77	82	87	93	99	112	127	144	164
	22.6	25.1	27.6	30.1	33.1	36.1	39.1	42.6	46.1	50.1	55	60	65	70	75	80	86	92	105	120	138	158
1.25	...	...	21.0	23.5	26.5	29.5	32.5	36.0	39.5	43.5	49	54	59	64	69	74	80	86	99	114	131	151
1.26	34.7	37.2	39.7	42.2	45.2	46.2	51.2	54.7	58.2	62.2	67	72	77	82	87	92	98	104	117	132	150	170
	26.5	29.0	31.5	34.0	37.0	40.0	43.0	46.5	50.0	54.0	59	64	69	74	79	84	90	96	109	124	142	162
	34.2	36.7	39.2	41.7	44.7	47.7	50.7	54.2	57.7	61.7	67	72	77	82	87	92	98	104	117	132	149	169
	31.3	33.8	36.3	38.8	41.8	44.8	47.8	51.3	54.8	58.8	64	69	74	79	83	89	95	101	114	129	146	166
1.27	30.6	32.3	34.8	37.3	40.3	43.3	46.3	4938	53.3	57.3	62	67	72	77	82	87	93	99	112	127	145	165
	29.8	32.3	34.8	37.3	40.3	43.3	46.3	49.8	53.3	57.3	62	67	72	77	82	87	93	99	112	127	145	165
	21.4	23.9	26.4	28.9	31.9	34.9	37.9	41.4	44.9	48.9	54	59	64	70	74	79	85	91	104	119	136	156
	32.0	34.5	37.0	39.5	42.5	45.5	48.5	52.0	55.5	59.5	64	69	74	79	84	89	95	101	114	129	147	167
	25.9	28.4	30.9	33.4	36.4	39.4	42.4	45.9	49.5	53.5	58	63	68	73	78	83	89	95	108	123	141	161
1.28	25.0	27.5	30.0	32.5	35.5	38.5	41.5	45.0	48.5	52.5	57	62	67	72	77	82	88	94	108	123	140	160
	24.0	26.5	29.0	31.5	34.5	37.5	40.5	44.0	47.5	51.5	56	61	66	71	75	81	87	93	107	122	139	159
	20.0	22.5	25.1	27.6	30.6	33.6	36.6	40.1	43.6	47.6	52	58	63	68	36	78	84	90	103	118	135	155
	33.7	36.2	38.7	41.2	44.2	47.2	50.2	53.7	57.2	61.2	66	71	76	81	82	91	97	103	116	131	149	169
	32.2	35.7	38.2	40.7	43.7	46.7	49.7	53.2	56.7	60.7	66	71	76	81	86	91	97	103	116	131	148	168
1.29	28.1	30.6	33.1	35.6	38.6	41.6	44.6	48.1	51.6	55.6	61	66	71	76	81	86	92	98	111	126	143	163
	27.2	29.7	32.2	34.7	37.7	40.7	43.7	47.2	50.7	54.8	60	65	70	75	80	85	91	97	110	125	142	162
	22.9	25.4	27.9	30.4	33.4	36.4	39.4	42.9	46.4	50.4	55	60	65	70	75	80	86	92	105	120	138	158

NOTES: ** Stock belt size 5V2650 & 5V3350 not shown
Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

5VX D-V Wedge Single Belts to 200" POLYBAND to 200"

5V D-V Wedge Single Belts over 200" POLYBAND over 200"

STOCK DRIVE SELECTION

Ratio	Stock Sheaves Diameter		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**							
			Driven	HP/Belt		Driven	HP/Belt		Driven	HP/Belt		5VX	5VX	5VX	5VX	5VX	5VX	5VX	5VX
	Driver	Driven	RPM	5VX	5V	RPM	5VX	5V	RPM	5VX	5V	500	560	600	630	670	710	750	800
1.30	5.50	7.10	1350	14.4	10.2	895	10.1	7.5	669	7.9	5.9	15.1	18.1	20.1	21.6	23.6	25.6	27.6	30.1
	7.50	9.75	1342	23.2	18.6	890	16.3	13.5	669	12.7	10.6	11.4	14.4	16.4	17.9	19.9	21.9	23.9	26.4
ARC-LENGTH CORRECTION FACTOR —>												**.84**	**.86**	**.87**	**.88**	**.89**	**.90**	**.91**	**.92**
1.31	7.10	9.25	1339	21.5	17.0	887	15.1	12.3	664	11.7	9.7	12.1	15.1	17.1	18.6	20.6	22.6	24.6	27.1
	9.00	11.80	1331	29.5	24.5	882	20.9	17.9	664	16.2	14.1	...	...	13.6	15.1	17.1	19.1	21.1	23.6
1.33	8.50	11.30	1313	27.5	22.6	870	19.4	16.5	654	15.1	13.0	...	12.4	14.4	15.9	17.9	19.9	21.9	24.4
	11.30	15.00	1315	38.5	32.5	872	27.6	24.2	654	21.5	19.2	...	...	...	...	...	14.7	16.8	19.3
	16.00	21.20	1319	...	...	874	...	...	654	31.7	28.9	...	...	...	...	...	...	...	...
1.34	14.00	18.70	1308	48.0	40.2	867	35.0	31.1	649	27.4	24.9	...	...	...	...	...	...	...	...
1.35	4.40	5.90	1297	9.4	5.4	860	6.7	4.1	644	5.2	3.3	16.9	19.9	21.9	23.4	25.4	27.4	29.4	31.9
	6.30	8.50	1292	18.0	13.7	856	12.7	10.2	644	9.9	7.9	13.3	16.3	18.3	19.9	21.8	23.9	25.9	28.4
	6.70	9.00	1298	19.8	15.4	860	13.9	11.2	644	10.8	8.8	12.6	15.6	17.6	19.1	21.1	23.1	25.1	27.7
1.36	4.65	6.30	1284	10.6	6.5	851	7.5	4.9	640	5.8	3.9	16.4	19.4	21.4	22.9	24.9	26.9	28.9	31.4
	5.90	8.00	1285	16.3	12.1	852	11.4	8.8	640	8.9	6.9	14.2	17.1	19.1	20.6	22.6	24.6	26.6	29.1
	9.25	12.50	1291	30.5	25.5	856	21.6	18.7	640	16.8	14.7	...	...	12.8	14.3	16.3	18.3	20.4	22.9
	9.75	13.20	1289	32.6	27.3	855	23.1	20.1	640	18.0	15.8	...	...	...	13.4	15.4	17.4	19.4	21.9
	10.30	14.00	1284	34.8	29.2	851	24.7	21.5	640	19.2	17.0	...	...	...	...	14.3	16.3	18.3	20.8
	11.80	16.00	1288	4.04	34.1	854	29.0	25.6	640	22.6	20.3	...	...	...	...	...	...	15.5	18.0
ARC-LENGTH CORRECTION FACTOR —>												**.82**	**.84**	**.85**	**.86**	**.87**	**.88**	**.90**	**.91**
1.37	5.20	7.10	1275	13.1	9.0	845	9.2	6.6	635	7.2	5.3	15.3	18.3	20.3	21.8	23.8	25.8	27.8	30.3
	5.50	7.50	1277	14.5	10.3	846	10.2	7.5	635	7.9	56.0	14.8	17.8	19.8	21.3	23.3	25.3	27.3	29.8
	8.00	10.90	1280	25.4	20.7	849	17.9	15.1	635	13.9	11.8	...	13.1	15.1	16.6	18.6	20.6	22.6	25.1
1.38	4.90	6.70	1273	11.7	7.7	844	8.3	5.7	630	6.5	4.5	15.9	18.9	20.9	22.4	24.4	26.4	28.4	30.9
	7.10	9.75	1269	21.6	17.1	841	15.2	12.4	630	11.8	9.8	11.7	14.7	16.7	18.2	20.2	22.2	24.2	26.7
	7.50	10.30	1270	23.3	18.7	842	16.4	13.6	630	12.7	10.7	...	13.9	16.0	17.5	19.5	21.5	23.5	26.0
	10.90	15.00	1268	37.1	31.3	841	26.5	23.2	630	20.6	18.3	...	...	...	...	...	...	17.0	19.6
1.39	6.70	9.25	1262	19.8	15.5	837	14.0	11.2	626	10.8	8.8	12.4	15.4	17.4	18.9	20.9	22.9	24.9	27.4
	8.50	11.80	1256	27.5	22.7	833	19.4	16.5	626	15.1	13.0	...	...	14.0	15.5	17.5	19.5	21.5	24.0
	9.00	12.50	1256	29.6	24.6	833	20.9	18.0	626	16.2	14.1	...	...	13.0	14.5	16.5	18.5	20.5	23.0
1.42	8.00	11.30	1234	25.5	20.8	818	18.0	15.1	613	13.9	11.9	...	12.7	14.7	16.3	18.3	20.3	22.3	24.8
	11.30	16.00	1233	38.6	32.6	817	27.6	24.3	613	21.5	19.2	...	...	...	...	...	...	15.9	18.4
	13.20	18.70	1233	45.4	38.3	817	32.9	29.2	613	25.7	23.2	...	...	...	...	...	...	...	...
	15.00	21.20	1236	...	...	819	...	...	613	29.6	26.9	...	...	...	...	...	...	...	...
1.43	9.25	13.20	1222	30.7	25.6	810	21.7	18.7	608	16.8	14.7	...	...	...	13.7	15.7	17.8	19.8	22.3
1.44	4.40	6.30	1214	9.5	5.5	805	6.7	4.2	604	5.3	3.4	16.6	19.6	21.6	23.1	25.1	27.1	29.1	31.6
	6.30	9.00	1219	18.1	13.9	808	12.7	10.1	604	9.9	7.9	12.9	15.9	17.9	19.4	21.4	23.4	25.4	28.0
	9.75	14.00	1215	32.7	27.4	805	23.2	20.1	604	18.0	15.9	...	...	...	...	14.7	16.7	18.7	21.2
1.45	4.65	6.70	1206	10.6	6.7	800	7.5	5.0	600	5.9	4.0	16.1	19.1	21.1	22.6	24.6	26.6	28.6	31.1
	5.20	7.50	1206	13.2	9.1	799	9.3	6.7	600	7.2	5.3	15.0	18.0	20.0	21.5	2..5	25.5	27.5	30.0
	5.90	8.50	1208	16.4	12.2	801	11.5	8.9	600	8.9	7.0	13.6	16.6	18.6	20.1	22.2	24.2	26.2	28.7
1.46	4.90	7.10	1200	11.8	7.8	795	8.3	5.8	596	6.5	4.6	15.5	18.5	20.5	22.0	24.1	26.1	28.1	30.6
	5.50	8.00	1196	14.6	10.5	793	10.2	7.6	596	8.0	6.0	14.3	17.4	19.4	20.9	22.9	24.9	26.9	29.4
	6.70	9.75	1197	19.9	15.6	793	14.0	11.3	596	10.9	8.9	12.0	15.0	17.0	18.5	20.5	22.5	24.5	27.0
	7.10	10.30	1201	21.7	17.2	796	15.2	12.5	596	11.8	9.8	11.2	14.2	16.3	17.8	19.8	21.8	23.8	26.3
	7.50	10.90	1199	23.4	18.8	795	16.5	13.7	596	12.8	10.8	...	13.4	15.5	17.0	19.0	21.0	23.0	25.5
	10.30	15.00	1198	34.9	29.3	794	24.8	21.7	596	19.3	17.1	...	...	...	...	...	15.5	17.5	20.0
1.47	9.00	13.20	1189	29.7	24.7	788	21.0	18.0	592	16.3	14.2	...	...	...	13.9	15.9	17.9	20.0	22.5
	10.90	16.00	1189	37.2	31.4	788	26.5	23.3	592	20.6	18.4	...	...	...	...	...	...	16.2	18.7
ARC-LENGTH CORRECTION FACTOR —>												**.82**	**.84**	**.85**	**.86**	**.87**	**.88**	**.90**	**.91**
1.48	6.30	9.25	1186	18.2	13.9	590	12.8	10.1	588	9.9	8.	12.7	15.7	17.7	192	21.2	23.2	25.2	27.8
	8.00	11.80	1182	25.5	20.9	587	18.0	15.2	588	14.0	11.9	...	12.3	14.3	15.8	17.8	19.9	21.9	24.4
	8.50	12.50	1185	27.6	22.8	589	19.5	16.6	588	15.1	13.1	...	...	13.4	14.9	16.9	18.9	20.9	23.4
	16.00	23.60	1184	...	...	589	40.3	35.9	588	31.8	29.0	...	...	...	...	...	...		...
1.50	12.50	18.70	1167	43.1	36.4	580	31.0	27.5	580	24.2	21.8	...	...	...	...	...	...		...
1.51	7.50	11.30	1156	23.4	18.9	575	16.5	13.7	576	12.8	10.8	...	13.1	15.1	16.6	18.6	20.6	22.7	25.2
1.52	9.25	14.00	1152	30.7	25.7	573	21.7	18.8	572	16.9	14.8	...	...	...	...	15.1	17.1	19.1	21.6
	14.00	21.20	1153	46.2	40.0	573	35.1	31.3	572	27.5	25.0	...	...	...	...	...	...	...	...
1.53	4.40	6.70	1140	9.5	5.6	567	6.8	4.2	569	5.3	3.4	16.2	19.2	21.3	22.8	24.8	26.8	28.8	31.3
	5.90	9.00	1140	16.4	12.3	567	11.5	8.9	569	9.0	7.0	13.2	16.2	18.2	19.7	21.7	23.7	25.8	28.3

NOTE: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long

** Stock belt size 5VX530 not shown

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

5VX D-V Wedge Single Belts to 200" POLYBAND to 200"

5V D-V Wedge Single Belts over 200" POLYBAND over 200"

STOCK DRIVE SELECTION

Ratio	Belt Number and Approx. Center Distance**																						
	5VX 850	5VX 900	5VX 950	5VX 1000	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2800	5V 3150	5V 3550
1.30	32.6	35.1	37.6	40.1	43.1	46.1	49.1	52.6	56.1	60.1	65	70	75	80	85	90	96	102	108	115	130	148	168
	28.9	31.4	33.9	36.4	39.4	42.4	45.4	48.9	52.4	56.4	61	66	71	76	81	86	92	98	104	111	126	144	164
	.93	.94	.95	.96	.97	.99	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.07	1.08	1.09	1.10	1.11	1.13	1.15	1.17
1.31	29.6	32.1	34.6	37.1	40.1	43.1	46.1	49.6	53.1	57.1	62	67	72	77	82	87	93	99	105	112	127	145	165
	26.1	28.6	31.1	33.6	36.6	39.6	42.6	46.1	49.6	53.6	59	64	69	74	79	84	90	96	102	109	124	141	161
1.33	26.9	29.4	31.9	34.4	37.4	40.4	43.4	46.9	50.4	54.4	59	64	69	74	79	84	90	96	102	109	124	142	162
	21.8	24.3	26.8	29.3	32.3	35.3	38.3	41.8	45.3	49.3	54	59	64	69	74	79	85	91	97	104	119	137	157
	...	...	...	...	23.6	26.7	29.7	33.2	36.7	40.7	46	51	56	61	66	71	77	83	89	96	111	128	146
1.34	...	19.2	21.7	24.2	27.2	30.2	33.2	36.7	40.2	44.3	49	54	59	64	69	74	80	86	92	99	114	132	152
1.35	34.4	36.9	39.4	41.9	44.9	47.9	50.9	54.4	57.9	61.9	67	73	77	82	87	92	98	104	110	117	132	149	169
	30.9	33.4	35.9	38.4	41.4	44.4	47.4	50.9	54.4	58.4	63	68	73	78	83	88	94	100	106	113	128	146	166
	30.1	32.6	35.2	37.7	40.7	43.7	46.7	50.2	53.7	57.7	63	68	73	78	83	88	94	100	106	113	128	145	165
1.36	33.9	36.4	38.9	41.1	44.4	47.4	50.4	53.9	547.4	61.4	66	71	76	81	86	91	97	103	109	116	131	149	169
	31.6	34.1	36.6	39.1	42.1	45.1	48.1	51.6	55.1	59.1	64	69	74	79	84	89	95	101	107	114	129	147	167
	25.4	27.9	30.4	32.9	35.9	38.9	41.9	45.4	48.9	52.9	58	63	68	73	78	83	89	95	101	108	123	140	160
	24.4	26.9	29.4	31.9	34.9	37.9	40.9	44.4	47.9	51.9	57	62	67	72	77	82	88	94.	100	107	122	139	159
	23.3	25.8	28.4	30.9	33.9	36.9	39.9	43.4	46.9	50.9	56	61	66	71	76	81	87	93	99	106	121	138	158
	20.6	23.1	25.6	28.1	31.1	34.1	37.1	40.6	44.1	48.4	53	58	63	68	73	78	84	90	96	103	118	136	156
	.92	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.13	1.15	1.17
1.37	32.8	35.9	38.4	40.9	43.9	46.9	49.9	53.4	56.9	60.9	66	71	76	81	86	91	97	103	108	116	131	148	168
	32.3	34.8	37.3	39.8	42.8	45.8	48.8	52.3	55.8	59.8	65	70	75	80	84	90	96	102	108	115	130	147	167
	27.6	30.1	32.6	35.1	38.1	41.1	44.1	47.5	51.1	55.1	60	65	70	75	80	85	91	97	103	110	125	143	162
1.38	33.4	35.9	38.4	40.9	43.9+	46.9	49.9	53.4	56.9	60.9	66	71	76	81	86	91	97	103	109	116	131	148	168
	29.2	31.7	34.2	36.7	39.7	42.7	45.7	49.2	52.7	56.8	62	67	72	77	82	87	93	99	105	112	127	144	164
	28.5	31.0	33.5	36.0	39.0	42.0	45.0	48.5	52.0	56.0	61	66	71	76	81	86	92	98	104	111	126	143	163
	22.1	24.6	27.1	29.6	32.6	35.6	38.6	42.1	45.6	49.6	55	60	65	70	75	80	85	91	98	105	120	137	157
1.39	29.9	32.4	34.9	37.5	40.5	43.5	46.5	50.0	53.5	57.5	62	67	72	77	82	87	93	99	105	112	127	145	165
	26.5	29.0	31.5	34.0	37.0	40.0	43.0	46.5	50.0	54.0	59	64	69	74	79	84	90	96	102	109	124	141	161
	25.6	28.1	30.6	33.1	36.1	39.1	42.1	45.6	49.1	53.1	58	63	68	73	78	83	89	95	101	108	123	141	161
1.42	27.3	29.8	32.3	34.8	37.8	40.8	43.8	47.3	50.8	54.8	60	65	70	75	80	85	91	97	103	110	125	142	162
	20.9	23.4	26.0	28.5	31.5	34.5	37.5	41.0	44.5	46.5	53	58	63	68	73	78	84	90	97	103	118	136	156
	...	19.8	22.3	24.8	27.8	30.8	33.8	37.3	40.9	44.9	50	55	60	65	70	75	81	87	92	100	115	132	154
	...	...	...	21.3	24.4	27.4	30.4	33.9	37.4	41.5	46	51	56	61	66	71	77	83	90	96	111	129	149
1.43	24.8	27.3	29.8	32.3	35.3	38.3	41.3	44.8	48.3	52.3	57	62	67	72	77	82	88	94	100	107	122	140	160
1.44	34.1	36.6	39.1	41.6	44.6	47.6	50.6	54.1	57.6	61.6	67	72	77	82	87	92	98	104	110	117	132	149	169
	30.5	33.0	35.5	38.0	41.0	44.0	47.0	50.5	54.0	58.0	63	68	73	78	83	88	94	100	106	113	128	145	165
	24.8	26.3	28.8	31.3	34.3	37.3	40.3	43.8	47.3	51.3	56	61	66	71	76	81	87	93	99	106	121	139	159
1.45	33.6	36.1	38.6	41.1	44.1	47.1	50.1	53.6	57.1	61.1	66	71	76	81	86	91	97	103	109	116	131	147	169
	32.5	35.0	37.5	40.0	43.0	46.0	49.0	52.5	56.0	60.0	65	70	75	80	85	90	96	102	108	115	130	148	168
	31.2	33.7	36.2	38.7	41.7	44.7	47.7	51.2	54.7	58.7	64	69	74	79	84	89	95	101	107	114	129	146	166
1.46	33.1	35.6	38.1	40.6	43.6	46.6	49.6	53.1	56.6	60.6	66	70	76	81	86	91	97	103	109	116	131	146	168
	31.9	34.4	36.9	39.4	42.4	45.4	48.4	51.9	55.4	59.4	64	69	74	79	84	89	95	101	107	114	129	147	167
	29.5	32.1	34.6	37.1	40.1	43.1	46.1	49.6	53.1	57.1	62	67	72	77	82	87	93	99	105	112	127	145	165
	28.8	31.3	33.8	36.3	39.3	42.3	45.3	48.8	52.3	56.3	61	66	71	76	81	86	92	98	104	111	126	144	164
	28.0	30.5	33.0	35.5	38.5	41.5	44.5	48.0	51.5	55.5	60	65	70	75	80	85	91	97	104	110	125	143	163
	22.5	25.0	27.5	30.0	33.0	36.1	39.1	42.6	46.1	50.1	55	60	65	70	75	80	86	92	9*8	105	120	138	158
1.47	25.0	27.5	30.0	32.5	35.5	38.5	41.5	45.0	48.5	52.5	57	62	67	72	77	82	88	94	101	107	122	140	160
	2.12	23.7	26.2	28.8	31.8	34.8	37.8	41.3	44.8	48.8	54	59	64	69	74	79	85	91	97	104	119	136	156
	.92	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.13	1.15	1.17
1.48	30.3	32.8	35.3	37.8	40.8	43.8	46.8	50.3	53.8	57.8	63	68	73	78	83	88	94	100	100	113	128	145	165
	26.9	29.4	31.9	34.4	37.4	40.4	43.4	46.9	50.4	54.4	59	64	69	74	79	84	90	96	96	109	124	142	162
	25.9	28.8	30.4	33.4	36.5	39.5	42.5	46.0	49.5	53.5	58	63	68	73	78	83	89	95	95	108	123	141	161
	...	...	...	...	...	24.6	27.6	312	34.7	38.7	44	49	54	59	64	69	75	81	81	94	109	126	146
1.50	...	20.3	22.8	25.3	28.3	31.3	34.4	37.9	41.4	45.4	50	55	60	65	70	75	81	87	87	100	115	133	153
1.51	27.7	30.2	32.7	35.2	38.2	41.2	44.2	47.7	51.2	55.2	60	65	70	75	80	85	91	97	97	110	125	143	163
1.52	24.1	26.6	29.1	31.7	34.7	37.7	40.7	44.2	47.7	51.7	57	62	67	72	77	82	88	94	94	107	122	139	159
	...	...	...	22.1	25.1	28.1	31.1	34.7	38.2	42.2	47	52	57	62	67	72	78	84	84	97	112	130	150
1.53	33.8	36.3	38.8	41.3	44.3	47.3	50.3	53.8	57.3	61.3	66	71	76	81	86	91	97	103	103	116	131	1467	169
	30.8	33.3	35.8	38.3	41.3	44.3	47.3	50.8	54.3	58.3	63	68	73	78	83	88	94	100	100	113	128	146	166

NOTE: ** Stock belt size 5V2650 & 5V3350 not shown
Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

5VX D-V Wedge
Single Belts to 200”
POLYBAND to 200”

5V D-V Wedge
Single Belts over 200”
POLYBAND over 200”

STOCK DRIVE SELECTION

Ratio	Stock Sheaves Diameter		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**							
			Driven	HP/Belt		Driven	HP/Belt		Driven	HP/Belt		5VX	5VX	5VX	5VX	5VX	5VX	5VX	5VX
	Driver	Driven	RPM	5VX	5V	RPM	5VX	5V	RPM	5VX	5V	500	560	600	630	670	710	750	800
1.54	4.65	7.10	1138	10.7	6.7	765	7.6	5.0	565	5.9	4.0	15.7	18.7	20.7	22.2	24.2	26.2	28.2	30.8
	4.90	7.50	1135	11.9	7.9	752	8.4	5.8	565	6.53	4.6	15.2	18.2	20.2	21.7	23.7	25.7	27.7	30.2
	7.10	10.90	1134	21.7	17.3	752	15.3	12.5	565	11.9	10.0	10.7	13.7	15.8	17.3	19.3	21.3	23.3	25.8
	9.75	15.00	1133	32.8	27.5	751	23.2	20.2	565	18.0	15.9	...	...	...	..	13.8	15.9	17.9	20.4
1.55	5.20	8.00	1130	13.3	9.2	749	9.3	6.8	561	7.3	5.4	14.6	17.6	19.6	21.1	23.1	25.1	27.1	29.6
	6.70	10.30	1132	20.0	15.7	751	14.0	11.4	561	11.0	8.9	11.5	14.5	16.6	18.1	20.1	22.1	24.1	26.6
1.56	5.50	8.50	1125	14.6	10.5	746	10.3	7.7	558	8.0	6.1	13.9	16.9	19.0	20.4	22.5	24.5	26.5	29.0
	6.30	9.75	1124	18.2	14.0	745	12.8	10.1	558	9.9	8.0	12.3	15.3	17.3	18.8	20.8	22.8	24.8	27.3
	8.50	13.20	1122	27.7	22.9	744	19.5	16.7	558	15.1	13.1	...	...	12.7	14.3	16.3	18.3	20.3	22.8
	9.00	14.00	1121	29.7	24.8	743	21.0	18.1	558	16.3	14.2	...	...	...	13.2	15.2	17.3	19.3	21.8
	10.30	16.00	1123	34.9	29.4	744	24.8	21.7	558	19.3	17.1	...	...	...	...	...	14.6	16.6	19.1
1.57	8.00	12.50	1115	25.6	20.9	739	18.0	15.2	554	14.0	12.0	...	...	13.7	15.2	17.3	19.3	21.3	23.8
1.58	5.90	9.25	1109	16.4	12.3	735	11.6	8.9	551	9.0	7.1	13.0	16.0	18.0	19.5	21.5	23.5	25.5	28.1
	7.50	11.80	1107	23.5	19.0	734	16.5	13.8	551	12.8	10.8	...	12.7	14.7	16.2	18.2	20.2	22.2	24.7
	15.00	23.60	1110	...	...	735	37.8	33.7	551	29.7	27.0	...	...	...	...	...	...	...	...
1.59	11.80	18.70	1101	40.6	34.3	730	29.1	25.8	547	22.7	20.4	...	...	...	...	...	...	...	...
1.60	7.10	11.30	1094	21.8	17.4	725	15.3	12.6	544	11.9	10.0	...	13.4	15.4	169	18.9	20.9	23.0	25.5
ARC-LENGTH CORRECTION FACTOR —>												.82	.83	.85	.86	.87	.88	.89	.91
1.61	13.20	21.20	1086	45.6	38.4	720	33.0	29.4	540	25.8	23.4	...	...	...	...	...	...	...	...
1.63	4.40	7.10	1075	9.3	5.7	713	6.8	4.3	534	5.3	3.4	15.9	18.9	20.9	22.4	24.4	26.4	28.4	30.9
	4.65	7.50	1076	10.8	6.8	713	7.6	5.1	534	5.9	4.1	15.4	18.4	20.4	21.9	23.9	25.9	27.9	30.4
	9.25	15.00	1076	30.8	25.7	712	21.8	18.8	534	16.9	14.8	...	...	...	...	14.2	16.2	18.2	20.8
1.64	6.70	10.90	1069	20.2	15.7	709	14.1	11.4	530	10.9	9.0	11.0	14.0	16.0	17.6	19.6	21.6	23.6	26.1
1.65	4.90	8.00	1063	11.9	7.9	705	8.4	5.9	527	6.6	4.7	14.8	17.8	19.8	21.3	23.3	25.3	27.3	29.8
	5.20	8.50	1063	13.3	9.3	704	9.4	6.8	527	7.3	5.4	14.1	17.2	19.2	20.7	22.7	24.7	26.7	29.2
	5.50	9.00	1062	14.7	10.6	704	10.3	7.7	527	8.3	6.1	13.5	16.5	18.5	20.0	22.0	24.0	26.1	28.6
	6.30	10.30	1064	18.3	14.0	705	12.8	10.2	527	10.0	8.0	11.8	14.8	16.9	18.4	20.4	22.4	24.4	26.9
	8.50	14.00	1058	27.7	22.9	701	19.6	16.7	527	15.2	13.1	...	...	...	13.5	15.6	17.6	19.6	22.2
	9.75	16.00	1062	32.8	27.6	704	23.2	20.2	527	18.1	15.9	...	...	...	...	...	...	17.0	19.5
1.66	5.90	9.75	1052	16.5	12.3	697	11.6	9.0	524	9.0	7.1	12.6	15.6	17.6	19.1	21.1	23.1	25.1	27.6
	8.00	13.20	1055	25.6	21.0	700	18.1	15.3	524	14.0	12.0	...	...	13.1	14.6	16.6	18.7	20.7	23.2
	11.30	18.70	1054	38.8	32.8	698	27.7	24.4	524	21.6	19.3	...	...	...	...	...	...	...	...
1.67	7.10	11.80	1047	21.8	17.4	694	15.3	12.6	521	11.9	9.9	...	12.9	15.0	16.5	18.5	20.5	22.5	25.0
	9.00	15.00	1045	29.8	24.8	693	21.1	18.1	521	16.3	14.3	...	...	...	...	14.3	164	18.4	20.9
1.68	7.50	12.50	1044	23.5	19.0	692	16.5	13.8	518	12.8	10.8	...	...	14.1	15.6	17.6	19.6	21.6	24.2
1.69	5.50	9.25	1033	14.7	10.6	685	10.3	7.7	515	8.0	6.1	13.3	16.3	18.3	19.8	21.8	23.8	25.8	28.4
	14.00	23.60	1035	48.3	40.6	686	35.2	31.4	515	27.6	25.0	...	...	...	...	...	...	...	...
1.70	6.70	11.30	1028	20.1	15.8	684	14.1	11.4	512	10.9	9.0	10.6	13.7	15.7	17.2	19.2	21.2	23.3	25.8
	12.50	21.20	1031	43.2	36.5	682	31.1	27.6	512	24.3	21.9	...	...	...	...	...	...	...	...
1.72	4.40	7.50	1017	9.6	5.72	674	6.8	4.3	506	5.3	3.5	15.6	18.6	20.6	22.1	24.1	26.1	28.1	30.6
	10.90	18.70	1016	37.3	31.5	674	26.6	23.4	506	20.7	18.5	...	...	...	...	...	...	...	...
1.74	4.65	8.00	1008	10.6	6.9	668	7.6	5.1	500	6.0	4.1	15.0	18.0	20.0	21.5	23.5	25.5	27.5	30.0
	6.30	10.90	1005	18.3	14.1	666	12.9	10.2	500	10.0	8.1	11.3	14.3	16.3	17.8	19.9	21.9	23.9	26.4
	9.25	16.00	1007	30.8	25.8	668	21.8	18.9	500	16.9	14.8	...					15.3	17.3	19.9
1.75	4.90	8.50	1000	12.0	8.0	663	8.4	5.9	497	6.6	4.7	14.4	17.4	19.4	20.9	22.9	24.9	26.9	29.4
	5.20	9.00	1003	13.3	9.3	665	9.4	6.8	497	7.3	5.4	13.7	16.7	18.8	20.3	22.3	24.3	26.3	28.8
	16.00	28.00	997	...	...	661	40.4	36.0	497	31.8	29.0	...	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>													.83	.85	.86	.87	.88	.89	.91
1.76	5.90	10.30	995	16.5	12.4	660	11.6	9.0	494	9.0	7.1	...	15.1	17.1	18.6	20.7	22.7	24.7	2.72
	8.00	14.00	995	25.7	21.0	659	18.1	15.3	494	14.0	12.0	...	...	12.4	13.9	15.9	18.0	20.0	22.5
1.77	6.70	11.80	987	20.1	15.5	654	14.1	11.4	492	10.9	9.0	...	13.2	15.3	16.8	18.8	20.8	22.8	25.3
	7.10	12.50	977	21.8	17.4	655	15.3	12.6	492	11.9	9.9	...	12.3	14.4	15.9	17.9	19.9	21.9	24.5
	7.50	13.20	979	23.5	19.1	655	16.6	13.8	492	12.8	10.9	...	...	13.4	15.0	17.0	19.0	21.0	23.6
	8.50	15.00	987	27.8	23.0	654	19.6	16.7	492	15.2	13.2	...	...	...	...	14.7	16.7	18.8	21.3
1.79	5.20	9.25	975	13.3	9.3	647	9.4	6.8	486	7.3	5.4	...	16.5	18.5	20.0	22.1	24.1	26.1	28.6
	5.50	9.75	979	14.7	10.7	649	10.4	7.8	486	8.1	6.1	...	15.9	17.9	19.4	21.4	23.4	25.4	27.9
	9.00	16.00	980	29.8	24.9	649	21.1	18.2	486	16.4	14.3	...	...	...	...	...	15.5	17.5	20.1
	13.20	23.60	976	45.6	38.5	647	33.1	29.4	486	25.8	23.4	...	...	...	...	...	...	...	...

NOTE: * 5VX = Single and Polyband belts to 200” length
5V = Single and Polyband belts over 200” long

** Stock belt size 5VX530 not shown

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

5VX	D-V Wedge Single Belts to 200” POLYBAND to 200”

5V	D-V Wedge Single Belts over 200” POLYBAND over 200”

STOCK DRIVE SELECTION

Ratio	Belt Number and Approx. Center Distance**																								
	5VX 850	5VX 900	5VX 950	5VX 1000	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3150	5V 3550
1.54	33.3	35.8	38.3	40.7	43.8	46.8	49.8	53.3	56.8	60.7	66	71	76	81	86	91	97	103	109	116	...	131	148	168
	32.7	35.2	37.7	40.2	43.2	46.2	49.2	52.7	56.2	60.2	65	70	75	80	85	90	96	102	108	115	...	130	148	168
	28.3	30.8	33.3	35.8	38.8	41.8	44.8	48.3	51.8	55.8	61	66	71	76	81	86	92	98	104	110	...	126	143	163
	22.9	25.4	27.9	30.4	33.5	36.5	39.5	43.0	46.5	50.5	56	61	66	71	76	81	86	92	99	105	...	120	138	158
1.55	32.1	34.6	37.1	39.6	42.6	45.6	48.6	52.1	55.6	59.6	65	70	75	80	85	90	96	102	108	114	...	130	147	167
	29.1	31.6	34.1	36.6	39.6	42.6	45.6	49.1	52.6	56.6	62	67	72	77	82	87	93	99	105	112	...	127	144	164
1.56	31.5	34.0	36.5	39.0	42.0	45.0	48.0	51.5	55.0	59.0	64	69	74	79	84	89	95	101	107	114	...	129	146	166
	29.9	32.3	34.9	37.4	40.4	43.4	46.4	49.9	53.4	57.4	62	67	72	77	82	87	93	99	105	112	...	127	145	165
	25.4	27.9	30.4	32.9	35.9	38.9	41.9	45.4	48.9	52.9	58	63	68	73	78	83	89	94	101	108	...	123	140	160
	24.3	26.8	29.3	31.8	34.8	37.9	40.9	44.4	47.9	51.9	57	62	67	72	77	82	88	94	100	107	...	122	139	159
	21.7	24.2	26.7	29.2	32.2	35.2	38.2	41.7	45.3	49.3	54	59	64	69	74	79	85	91	97	104	...	119	137	157
1.57	26.3	28.8	31.3	33.8	36.8	39.8	42.8	46.3	49.8	53.9	59	64	69	74	79	84	90	96	102	109	...	124	141	161
1.58	30.6	33.1	35.6	38.1	41.1	44.1	47.1	50.6	54.1	58.1	63	68	73	78	83	88	94	100	106	113	...	128	146	166
	27.3	29.8	32.3	34.8	37.8	40.8	43.8	47.3	50.8	54.8	60	65	70	75	80	85	91	97	103	110	...	125	142	162
	...	...	...	...	22.3	25.3	28.4	31.9	35.4	39.4	44	50	55	60	64	70	76	82	88	95	...	110	127	147
1.59	18.2	20.8	23.3	25.8	28.8	31.9	34.9	38.4	41.9	45.9	51	56	61	66	71	76	82	88	94	101	...	116	133	153
1.60	28.0	30.5	33.0	35.5	38.5	41.5	44.5	48.0	51.5	55.5	61	66	71	76	80	85	91	97	104	110	...	125	143	163
	.92	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.15	1.17
1.61	...	...	20.1	22.6	25.7	28.7	31.7	35.3	38.8	42.8	48	53	58	63	68	73	79	85	91	98	...	113	130	150
1.63	33.4	35.9	38.4	40.9	43.9	46.9	49.9	53.5	57.0	61.0	66	71	76	81	86	91	97	103	109	116	...	131	148	168
	32.9	35.4	37.9	40.4	43.4	46.4	49.4	52.9	56.4	60.6	65	70	75	80	85	90	96	102	108	115	...	130	148	168
	23.3	25.8	28.3	30.8	33.8	36.8	39.9	43.4	46.9	50.9	56	61	66	71	76	81	87	93	99	106	...	121	138	158
1.64	28.6	31.1	33.6	36.1	39.1	42.1	45.1	48.6	52.1	56.1	61	66	71	76	81	86	92	98	104	111	...	126	144	164
1.65	32.3	34.8	37.3	39.8	42.8	45.8	48.8	52.3	55.8	59.8	65	70	75	80	84	90	96	102	108	114	...	130	147	167
	31.7	34.2	36.7	39.2	42.2	45.2	48.2	51.7	55.2	59.2	64	69	74	79	84	89	95	101	107	114	...	129	147	167
	31.1	33.6	36.1	38.6	41.6	44.6	47.6	51.1	54.6	58.6	64	69	74	79	84	89	95	101	107	114	...	129	146	166
	29.4	31.9	34.4	36.9	39.9	42.9	45.9	49.4	52.9	56.9	62	67	72	77	82	87	93	99	105	112	...	127	144	164
	24.7	27.2	29.7	32.2	35.2	38.2	41.2	44.7	48.3	52.3	57	62	67	72	77	82	88	94	100	107	...	122	140	160
	22.1	24.6	27.1	29.6	32.6	35.6	38.6	42.2	45.7	49.7	55	60	65	70	75	80	86	92	98	105	...	120	137	157
1.66	30.2	32.7	35.2	37.7	40.7	43.7	46.7	50.2	53.7	57.7	62	68	73	78	83	88	94	100	106	113	...	128	145	165
	25.7	28.2	30.7	33.2	36.3	39.3	42.3	45.8	49.3	53.3	58	63	68	73	78	83	89	95	101	108	...	123	141	161
	18.6	21.1	23.6	26.2	29.2	32.2	35.2	38.8	42.3	46.3	51	56	61	66	71	76	82	88	94	101	...	116	134	154
1.67	27.6	30.1	32.6	35.1	38.1	41.1	44.1	47.6	51.1	55.1	60	65	70	75	80	85	91	97	103	110	...	125	143	163
	23.5	26.0	28.5	31.0	34.0	37.0	40.0	43.5	47.1	51.1	56	61	66	71	76	81	87	93	99	106	...	121	139	159
1.68	26.7	29.2	31.7	34.2	37.2	40.2	43.2	46.7	50.2	54.2	59	64	69	74	79	84	90	96	102	109	...	124	142	162
1.69	30.9	33.4	35.9	38.4	41.4	44.4	47.4	50.9	54.4	58.4	63	68	73	78	83	88	94	100	106	113	...	128	146	166
	...	...	...	...	23.0	26.0	29.1	32.6	36.2	40.2	45	50	55	60	65	70	76	82	88	95	...	110	127	148
1.70	28.3	30.8	33.3	35.8	38.8	41.8	44.8	48.3	51.8	55.8	61	66	71	76	81	86	92	98	104	111	...	126	143	163
	...	...	20.6	23.1	26.2	29.2	32.2	35.8	39.3	43.3	48	53	58	63	68	73	79	85	91	98	...	113	131	151
1.72	33.1	35.6	38.1	40.6	43.6	46.6	49.6	53.1	56.6	60.6	66	71	76	81	86	91	97	103	109	116	...	131	148	168
	18.9	21.4	23.9	26.5	29.5	32.5	35.5	39.1	42.6	46.6	52	57	62	67	72	77	83	89	95	102	...	117	134	154
1.74	32.5	35.0	37.5	40.0	43.0	46.0	49.0	52.5	56.0	60.0	65	70	75	80	85	90	96	102	108	115	...	130	148	168
	28.9	31.4	33.9	36.4	39.4	42.4	45.4	48.9	52.4	56.4	61	66	71	76	81	86	92	98	105	111	...	126	144	164
	22.4	24.9	27.5	30.0	33.0	36.0	39.0	42.5	46.0	50.1	55	60	65	70	75	80	86	92	98	105	...	120	138	158
1.75	31.9	34.4	36.9	39.4	42.4	45.4	48.4	51.9	55.4	59.4	65	69	74	79	84	89	95	101	107	114	...	129	147	167
	31.3	33.8	36.3	38.8	41.8	44.8	47.8	51.3	54.8	58.8	64	67	74	79	84	89	94	101	107	114	...	129	146	166
	...	...	...	...	...	...	...	27.3	30.9	34.9	40	45	50	55	60	65	71	77	83	90	...	105	123	143
	.92	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.15	1.17
1.76	29.7	32.2	34.7	37.2	40.2	43.2	46.2	49.7	53.2	57.2	62	67	72	77	82	87	93	99	105	112	120	127	145	165
	25.1	27.6	30.1	32.6	35.6	38.6	41.6	45.1	48.6	52.6	58	63	68	73	78	83	89	95	101	108	115	123	140	160
1.77	27.9	30.4	32.9	35.4	38.4	41.4	44.4	47.9	51.4	55.4	60	65	70	75	80	85	91	97	103	110	118	125	143	163
	27.0	29.5	32.0	34.5	37.5	40.5	43.5	47.0	50.5	54.5	60	65	70	75	80	84	91	97	103	110	117	125	142	162
	26.1	28.6	31.1	33.6	36.6	39.6	42.6	46.2	49.7	53.7	59	64	69	74	79	84	90	96	102	109	116	124	141	161
	23.8	26.3	28.9	31.4	34.4	37.4	40.4	43.9	47.4	51.4	56	61	66	71	76	81	87	93	99	106	114	121	139	159
1.79	31.1	33.6	36.1	38.6	41.6	44.6	47.6	51.1	54.6	58.6	64	69	74	79	84	89	95	101	10	114	121	129	146	166
	30.5	33.0	35.5	38.0	41.0	44.0	47.0	50.5	54.0	58.0	63	68	73	78	83	88	94	100	106	113	121	128	146	166
	22.6	25.1	27.6	30.2	33.2	36.2	39.2	42.7	46.2	50.2	55	60	65	70	75	80	86	92.3	98	105	113	120	138	158
	...	...	...	...	23.5	26.6	29.6	33.2	36.7	40.8	46	51	56	61	66	71	77	83	89	96.0	103	111	128	149

NOTE: ** Stock belt size 5V2650 & 5V3350 not shown
Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

5VX D-V Wedge Single Belts to 200" POLYBAND to 200"

5V D-V Wedge Single Belts over 200" POLYBAND over 200"

STOCK DRIVE SELECTION

Ratio	Stock Sheaves Diameter		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**							
			Driven	HP/Belt		Driven	HP/Belt		Driven	HP/Belt		5VX	5VX	5VX	5VX	5VX	5VX	5VX	5VX
	Driver	Driven	RPM	5VX	5V	RPM	5VX	5V	RPM	5VX	5V	560	600	630	670	710	750	800	850
1.80	11.80	21.20	970	40.7	34.5	643	29.2	25.8	483	22.7	20.5	...	...	...	...	...	...	...	...
1.81	6.30	11.30	969	18.3	14.1	642	12.9	10.2	481	10.0	8.1	14.0	16.0	17.5	19.5	21.5	23.6	26.1	28.6
1.82	10.30	18.70	960	35.0	29.6	636	24.9	21.8	478	19.4	17.2	...	...	...	...	...	...	16.7	19.3
1.84	4.40	8.00	953	9.7	5.8	631	6.8	4.3	473	5.3	35.0	18.2	20.2	21.7	23.7	25.7	27.7	30.2	32.7
1.85	4.65	8.50	944	10.8	6.9	628	7.7	5.1	470	6.0	4.1	17.6	19.6	21.1	23.1	25.1	27.1	29.6	32.1
	4.90	9.00		12.0	8.0	626	8.5	5.9	470	6.6	4.7	17.0	19.0	20.5	22.5	24.5	26.5	29.0	31.5
1.86	5.90	10.90	940	16.5	12.4	623	11.6	9.0	468	9.0	7.1	14.6	16.6	18.1	20.2	22.2	24.2	26.7	29.2
1.87	7.10	13.20	935	21.8	17.5	620	15.4	12.7	465	11.9	10.0	11.7	13.7	15.3	17.3	19.3	21.3	23.9	26.4
	15.00	28.00	. . .	...	...	619	37.9	33.7	465	29.7	27.1	...	...	...	...	...	...	...	...
1.88	6.70	12.50	932	20.1	15.8	617	14.1	11.5	463	11.0	9.0	12.6	14.6	16.2	18.2	20.2	22.2	24.8	27.3
	7.50	14.00	929	23.6	19.1	618	16.6	13.8	463	12.9	10.9	...	12.7	14.3	16.3	18.3	20.4	22.9	25.4
	11.30	21.20		38.9	32.9	616	27.8	24.5	463	21.6	19.4	...	...	...	...	...	...	...	...
1.89	5.20	9.75	925	13.4	9.4	613	9.4	6.9	460	7.3	5.4	16.1	18.1	19.6	21.6	23.7	25.7	28.2	30.7
	5.50	10.30	927	14.7	10.7	614	10.4	7.8	460	8.1	6.2	15.4	17.4	18.9	21.0	23.0	25.0	27.5	30.0
	6.30	11.80	928	18.3	14.1	615	12.9	10.2	460	10.0	8.1	13.5	15.5	17.1	19.1	21.1	23.1	25.6	28.2
	8.00	15.00	925	25.7	21.1	615	18.1	15.3	460	14.0	12.0	...	...	13.0	15.0	17.1	19.1	21.7	24.2
	8.50	16.00		27.8	23.0	613	19.6	16.8	460	15.2	13.2	...	...	...	13.8	15.8	17.9	20.4	23.0
1.90	12.50	23.60	923	43.2	36.6	612	31.1	27.7	458	24.3	22.0	...	...	...	...	...	...	...	...
1.91	4.90	9.250	918	12.0	8.0	609	8.5	5.9	455	6.6	4.7	16.7	18.8	20.3	22.3	24.3	26.3	28.8	31.3
1.93	5.90	11.30	906	16.6	12.4	601	11.6	9.0	451	9.0	7.1	14.2	16.3	17.8	19.8	21.8	23.8	26.4	28.9
	9.75	18.70	908	32.9	27.7	602	23.3	20.3	451	18.1	16.0	...	...	...	...	...	...	17.1	19.7
1.95	4.40	8.50	896	9.7	5.8	594	6.9	4.3	446	5.4	3.5	17.8	19.8	21.3	23.3	25.3	27.3	29.8	32.3
	10.90	21.20	896	37.4	31.6	594	26.7	23.5	446	20.7	18.5	...	...	...	...	...	...	...	...
1.96	4.65	9.00	. . .	10.9	6.9	593	7.7	5.1	444	6.0	4.1	17.1	19.2	20.7	22.7	24.7	26.7	29.2	31.7
1.97	16.00	31.50	. . .	...	...	587	40.5	36.1	442	31.9	29.1	...	...	...	...	...	...	...	...
1.98	6.70	13.20	882	20.1	15.8	584	14.1	11.5	439	11.0	9.0	11.9	14.0	15.5	17.6	19.6	21.6	24.2	26.7
1.99	7.10	14.00	881	21.9	17.5	584	15.4	12.7	437	11.9	10.0	...	13.0	14.5	16.6	18.6	20.6	23.2	25.7
ARC-LENGTH CORRECTION FACTOR —>												**.83**	**.85**	**.86**	**.87**	**.88**	**.89**	**.91**	**.92**
2.00	5.20	10.30	875	13.4	9.4	580	9.4	6.9	435	7.3	5.5	15.6	17.6	19.2	21.2	23.2	25.2	27.7	30.2
	5.50	10.90	875	14.8	10.7	580	10.4	7.8	435	8.1	6.2	14.9	16.9	18.4	20.4	22.5	24.5	27.0	29.5
	6.30	12.50	875	18.4	14.2	580	12.9	10.3	435	10.0	8.1	12.9	14.9	16.4	18.5	20.5	22.5	25.1	27.6
2.01	4.65	9.25	870	10.9	6.9	577	7.7	5.1	433	6.0	4.1	16.9	18.9	20.5	22.5	24.5	26.5	29.0	31.5
	4.90	9.75	870	12.0	8.1	577	8.5	5.9	433	6.6	4.7	16.3	18.3	19.9	21.9	23.9	25.9	28.4	30.9
	7.50	15.00	869	23.6	19.1	576	16.6	13.9	433	12.9	10.9	...	...	13.3	15.4	17.4	19.5	22.0	24.5
	8.00	16.00	869	25.7	21.1	576	18.1	15.3	433	14.1	12.1	...	...	...	14.1	16.2	18.2	20.8	23.3
	11.80	23.60	870	40.7	34.5	578	29.2	25.9	433	22.8	20.5	...	.....	.....	.....	.....	.....	.....	...
	14.00	28.00	872	48.4	40.7	578	35.2	31.4	433	27.6	25.1	...	...	...	.....	.....	.....	.....	...
2.02	5.90	11.80	868	16.6	12.5	575	11.6	9.0	431	9.0	7.1	13.8	15.8	1.74	19.4	21.4	23.4	25.9	28.4
2.03	9.25	18.70	861	30.9	25.9	571	21.9	18.9	429	17.0	14.9	...	...	...	...	...	...	17.4	20.0
2.07	4.40	9.00	846	9.7	5.8	560	6.9	4.4	420	5.4	3.5	17.3	19.3	20.9	22.9	24.9	26.9	29.4	31.9
	5.50	11.30	844	14.8	10.7	559	10.4	7.8	420	8.1	6.2	14.5	16.6	18.1	20.1	22.1	24.1	26.7	29.2
	10.30	21.20	846	35.1	29.6	561	24.9	21.9	420	19.4	17.2	...	...	...	...	...	...	...	...
2.09	9.00	18.70	837	29.9	25.0	555	21.1	18.2	416	16.4	14.3	...	...	...	...	...	...	17.6	20.2
2.10	11.30	23.60	834	38.9	32.9	553	27.8	24.6	414	21.6	19.4	...	...	...	...	...	...	...	...
2.11	6.30	13.20	828	18.4	14.2	549	12.9	10.3	412	10.0	8.1	...	14.3	15.8	17.9	19.9	21.9	24.4	27.0
	6.70	14.00	831	20.1	15.9	551	14.2	11.5	412	11.0	9.0	...	13.2	14.8	16.9	18.9	20.9	23.5	26.0
	15.0	31.50	830	...	...	550	37.9	33.8	412	29.7	27.1	...	...	...	...	...	...	...	...
2.12	46.50	9.75	825	10.9	7.0	547	7.7	5.2	410	6.0	4.1	...	18.5	20.0	22.0	24.1	26.1	28.6	31.1
	5.20	10.90	826	13.4	9.4	548	9.4	6.9	410	7.3	5.5	...	17.1	18.6	20.7	22.7	24.7	27.2	29.7
2.13	4.40	9.25	822	9.7	5.8	545	6.9	4.4	408	5.4	3.5	...	19.1	20.6	22.7	24.7	26.7	29.2	31.7
	4.90	10.30	824	12.0	8.1	546	8.5	6.0	408	6.6	4.7	...	17.9	19.4	21.4	23.4	25.4	27.9	30.4
	7.10	15.00	822	21.9	17.5	545	15.4	12.7	408	11.9	10.0	...	...	13.6	15.6	17.7	19.8	22.3	24.8
	13.20	28.00	822	45.7	38.6	545	33.1	29.5	408	25.9	23.4	...	...	...	...	...	...	...	...
2.14	5.90	12.50	819	16.6	12.5	543	11.7	9.1	407	9.1	7.1	...	15.2	16.7	18.8	20.8	22.8	25.3	27.9
2.15	7.50	16.00	814	23.6	19.2	540	16.6	13.9	405	12.9	10.9	...	...	...	14.4	16.5	18.6	21.1	23.7
2.17	5.50	11.80	808	14.8	10.7	535	10.4	7.8	401	8.1	6.2	...	16.1	17.6	19.7	21.7	23.7	26.2	28.7
2.18	10.90	23.60	804	37.4	31.7	533	26.7	23.5	399	20.7	18.6	...	...	...	...		...	...	...

NOTE: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long

** Stock belt size 5VX530 not shown

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

5VX D-V Wedge Single Belts to 200" POLYBAND to 200"

5V D-V Wedge Single Belts over 200" POLYBAND over 200"

STOCK DRIVE SELECTION

Speed Ratio	Belt Number and Approx. Center Distance**																							
	5VX 900	5VX 950	5VX 1000	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3550
1.80	18.5	21.1	23.6	26.7	29.7	32.6	36.3	39.8	43.8	49	54	59	64	69	74	80	86	92	99	106	114	...	132	152
1.81	31.1	33.6	36.1	39.1	42.1	45.1	48.6	52.1	56.1	61	66	71	76	81	86	92	98	104	111	119	126	...	144	164
1.82	21.8	24.4	26.9	29.9	33.0	36.0	39.5	43.0	47.0	52	57	62	67	72	77	83	89	95	102	110	117	...	135	155
1.84	35.2	37.7	40.2	43.2	46.2	49.2	52.7	56.2	60.2	65	70	75	80	85	90	96	102	108	115	123	130	...	148	168
1.85	34.6	37.1	39.6	42.6	45.6	28.6	52.1	55.6	59.6	65	70	75	80	85	90	96	102	108	115	122	130	...	147	167
	34.0	36.5	39.0	42.0	45.0	48.0	51.5	55.0	59.0	64	69	74	79	84	89	95	101	107	114	122	129	...	147	167
1.86	31.7	34.2	36.7	39.7	42.7	45.7	49.2	52.7	56.8	62	67	72	77	82	87	93	99	105	112	119	127	...	144	164
1.87	28.9	31.4	33.9	36.9	39.9	42.9	46.5	50.0	54.0	59	64	69	74	79	84	90	96	102	109	117	124	...	142	162
	...	...	...	...	...	24.4	28.0	31.6	35.6	41	46	51	56	61	66	72	78	84	91	99	106		124	144
1.88	29.8	32.3	34.8	37.8	40.8	43.8	47.3	50.8	54.9	60	65	70	75	80	85	91	97	103	110	117	125	...	142	162
	27.9	30.4	33.0	36.0	39.0	42.0	45.5	49.0	53.0	58	63	68	73	78	83	89	95	101	108	116	123	...	141	161
	18.8	21.4	24.0	27.0	30.1	33.1	36.6	40.2	44.2	49	54	59	64	69	74	80	86	92	99	107	114	...	132	152
1.89	33.2	35.7	38.2	41.2	44.2	47.2	50.7	54.2	58.2	63	68	73	78	83	88	94	100	106	113	121	128	..	146	166
	32.5	35.0	37.5	40.5	43.5	46.5	50.0	63.5	57.5	63	68	73	78	83	88	94	100	106	113	120	128	...	145	165
	30.7	33.2	35.7	38.7	41.7	44.7	48.2	51.7	55.7	61	66	71	76	81	86	92	98	104	111	118	126	...	143	163
	26.7	29.2	31.7	34.8	37.8	40.8	44.3	47.8	51.8	57	62	67	72	77	82	88	94	100	107	114	122	...	139	159
	25.5	28.0	30.5	33.5	36.6	39.6	43.1	46.6	50.6	56	61	66	71	76	81	87	93	99	105	113	121	...	138	158
1.90	...	...	20.9	24.0	27.1	30.1	33.7	37.2	41.3	46	51	56	61	66	71	77	83	89	97	104	112	...	129	149
1.91	33.8	36.3	38.8	41.8	44.8	47.8	51.3	54.8	58.8	64	69	74	79	84	89	95	101	107	114	121	129	...	146	166
1.93	31.4	33.9	36.4	39.4	42.4	45.4	48.9	52.4	56.4	61	66	71	76	81	86	92	98	104	111	119	126	...	144	164
	22.2	24.8	27.3	30.3	33.4	36.4	39.9	43.4	47.4	52	57	62	67	73	78	84	90	96	103	110	118	...	135	155
1.95	34.8	37.3	39.8	42.8	45.8	48.8	52.3	55.8	59.8	65	70	75	80	85	90	96	102	108	114	122	130	...	147	167
	19.1	21.7	24.2	27.3	30.4	33.4	36.9	40.5	44.5	50	55	60	65	70	74	81	87	93	100	107	115	...	132	152
1.96	34.2	36.7	39.2	42.2	45.2	48.2	51.7	55.2	59.2	64	69	74	79	84	89	95	101	107	114	122	129	...	147	167
1.97	...	...	...	...	...	...	...	27.6	31.7	37	42	47	52	57	62	68	74	80	87	95	102	...	120	140
1.96	29.2	31.7	34.2	37.2	40.2	43.2	46.8	50.3	54.3	59	64	69	74	79	84	90	96	102	109	117	124	...	142	162
1.99	28.2	30.7	33.2	36.3	39.3	42.3	45.8	49.3	53.3	58	63	68	73	78	83	89	95	101	108	116	123	...	141	161
	.93	**.94**	**.95**	**.96**	**.97**	**.98**	**.99**	**1.00**	**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.06**	**1.07**	**1.08**	**1.09**	**1.10**	**1.11**	**1.12**	**1.13**		**1.14**	**1.16**
2.00	32.7	35.2	37.7	40.8	43.8	46.8	50.3	53.8	57.8	63	68	73	78	83	88	94	100	106	113	120	128	...	145	165
	32.0	34.5	37.0	40.0	43.0	46.0	49.5	53.1	57.1	62	67	72	77	82	87	93	99	105	112	120	127	...	147	165
	30.1	32.6	35.1	38.1	41.1	44.1	47.6	51.1	55.2	60	65	70	75	80	85	91	97	103	110	118	125	...	143	163
2.01	34.0	36.5	39.0	42.0	45.0	48.0	51.5	55.0	59.0	64	69	74	79	84	89	95	101	107	114	122	129	...	147	167
	33.4	35.9	38.4	41.4	44.4	47.4	50.9	54.4	589.4	63	68	73	78	83	88	94	100	106	113	121	128	...	146	166
	27.1	29.6	32.1	35.1	38.1	41.2	44.7	48.2	52.2	57	62	67	72	77	82	88	94	100	107	115	122	...	140	160
	25.9	28.4	30.9	33.9	36.9	40.0	43.5	47.0	51.0	56	61	66	71	76	81	87	93	99	106	114	121	...	139	159
	...	...	21.4	24.5	27.6	30.6	34.2	37.7	41.8	47	52	57	62	67	72	78	84	90	97	105	112	...	130	150
	...	...	...	...	...	25.0	28.7	32.3	36.3	41	47	51	57	62	67	73	79	85	92	99	107	...	124	144
2.02	31.0	35.5	36.0	39.0	42.0	45.0	48.5	52.0	56.0	61	66	71	76	81	86	92	98	104	111	119	126	...	144	164
2.03	22.6	25.1	27.6	30.7	33.7	36.7	40.3	43.8	47.8	53	58	63	68	73	78	84	90	96	103	110	118	...	135	155
2.07	34.4	36.9	39.4	42.4	45.4	48.4	51.9	55.4	59.4	64	69	74	79	84	89	95	101	107	114	122	129	...	147	167
	31.7	34.2	36.7	39.7	42.7	45.7	49.2	52.7	56.7	62	67	72	77	82	87	93	99	105	112	119	127	...	144	164
	19.5	22.1	24.7	27.7	30.8	33.8	37.4	40.9	44.9	50	55	60	65	70	75	81	87	93	100	108	115	...	133	153
2.09	22.7	25.3	27.8	30.9	33.9	36.9	40.5	44.0	48.0	53	58	63	68	73	78	84	90	96	103	111	118	...	136	156
2.10	...	...	21.7	24.8	27.9	31.0	34.5	38.1	42.1	47	52	57	62	67	72	78	84	90	97	105	112	...	130	150
2.11	29.5	32.0	34.5	37.5	40.5	43.5	47.1	50.6	54.6	60	65	70	75	80	85	91	97	103	110	117	125	135	142	162
	28.5	31.0	33.6	36.6	39.6	42.6	46.1	49.6	53.6	59	64	69	74	79	84	90	96	102	109	116	124	...	141	161
	...	...	...	...	...	...	...	28.3	32.4	38	43	48	53	58	63	69	75	81	88	96	103	...	121	141
2.12	33.6	36.1	38.6	41.6	44.6	47.6	51.1	54.6	58.6	64	69	74	79	84	89	95	101	107	114	121	129	137	146	166
	32.2	34.7	37.2	40.3	43.3	46.3	49.8	53.3	57.3	62	67	72	77	82	87	93	99	105	112	120	127	139	145	165
2.13	34.2	36.7	39.2	42.2	45.2	48.2	51.7	55.2	59.2	64	69	74	79	84	89	95	101	107	114	122	129	139	147	167
	33.0	35.5	38.0	41.0	44.0	47.0	50.5	54.0	58.0	63	68	73	78	83	88	94	100	106	113	121	128	138	146	166
	27.4	29.9	32.4	35.4	38.4	41.5	45.0	48.5	52.5	58	63	68	73	78	83	89	95	101	108	115	123	133	140	160
	...	...	...	...	...	25.6	29.2	32.8	36.9	42	47	52	57	62	67	73	79	85	92	100	107	117	125	145
2.14	30.4	32.9	35.4	38.4	41.4	44.4	47.9	51.4	55.5	60	65	70	75	80	85	91	98	104	111	118	126	136	143	163
2.15	26.2	28.7	31.3	34.3	37.3	40.3	43.8	47.4	51.4	56	61	66	71	76	81	87	93	99	106	114	121	131	139	159
2.17	31.3	33.8	36.3	39.3	42.3	45.3	48.8	52.3	56.3	61	66	71	76	81	86	92	98	104	111	119	126	136	144	164
2.18	...	...	22.0	25.1	28.2	31.3	34.8	38.4	42.4	47	53	58	63	68	73	79	85	91	98	105	113	123	130	150

NOTES: ** Stock belt size 5V2650 & 5V3350 not shown
Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

5VX D-V Wedge Single Belts to 200" POLYBAND to 200"

5V D-V Wedge Single Belts over 200" POLYBAND over 200"

STOCK DRIVE SELECTION

Ratio	Stock Sheaves Diameter		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**						
			Driven	HP/Belt		Driven	HP/Belt		Driven	HP/Belt		5VX	5VX	5VX	5VX	5VX	5VX	5VX
	Driver	Driven	RPM	5VX	5VX	RPM	5VX	5VX	RPM	5VX	5VX	600	630	670	710	750	800	850
2.19	9.75	21.20	800	32.9	27.7	531	23.3	20.4	397	18.1	16.0	...	...	...	...	...	...	17.3
2.20	5.20	11.30	797	13.4	9.4	528	9.5	6.9	395	7.4	5.5	16.8	18.3	20.3	22.3	24.4	26.9	29.4
2.21	8.50	18.70	790	27.8	23.1	524	19.6	16.8	394	15.2	13.2	...	...	...	...	15.3	17.9	20.5
	4.40	9.75	780	9.7	5.8	517	6.9	4.4	388	5.4	3.5	18.7	20.2	22.2	24.2	26.3	28.8	31.3
2.24	4.65	10.30	781	10.9	7.0	517	7.7	5.2	388	6.0	4.1	18.0	19.6	21.6	23.6	25.6	28.1	30.6
	6.30	14.00	781	18.4	14.2	517	12.9	10.3	388	10.0	8.1	13.5	15.1	17.1	19.2	21.2	23.8	26.3
2.25	4.90	10.90	778	12.1	8.1	516	8.5	6.0	387	6.6	4.7	17.3	18.9	20.9	22.9	24.9	27.4	29.9
	12.50	28.00	778	43.3	36.6	516	31.2	27.7	387	24.3	22.0	...	...	...	...	...	...	...
	5.90	13.20	775	16.6	12.5	516	11.7	9.1	385	9.1	7.2	14.5	16.1	18.1	20.2	22.2	24.7	27.3
2.26	6.70	15.00	775	20.2	15.9	514	14.2	11.5	385	11.0	9.1	12.3	13.8	15.9	18.0	20.0	22.6	25.1
	14.00	31.50	775	48.4	40.7	514	35.3	31.5	385	27.6	25.1	...	...	...	...	...	...	...
2.27	7.10	16.00	770	21.9	17.55	511	15.4	12.7	383	11.9	10.0	...	...	14.7	16.8	18.8	21.4	23.9
2.29	5.20	11.80	763	13.4	9.4	506	9.5	6.9	380	7.4	5.5	16.3	17.8	19.9	21.9	23.9	26.4	29.0
2.30	5.50	12.50	762	14.8	10.8	505	10.4	7.8	378	8.1	6.2	15.5	17.0	19.0	21.1	23.1	25.6	28.1
	10.30	23.60	760	35.1	29.7	503	25.0	21.9	378	19.4	17.2	...	...	...	...	...	...	...
2.31	9.25	21.20	729	30.9	25.9	503	21.9	19.0	377	17.0	14.9	...	...	...	...	...	...	17.6
2.33	4.90	11.30	750	12.1	8.1	497	8.5	6.0	373	6.6	4.8	17.0	18.5	20.5	22.5	24.6	27.1	29.6
2.35	8.00	18.70	713	25.8	21.2	493	18.1	15.4	370	14.1	12.1	...	...	...	...	15.6	18.2	20.8
	16.00	37.50	744	...	...	493	40.5	36.1	370	31.9	29.1	...	...	...	...	...	...	...
	4.40	10.30	738	9.7	5.9	489	6.9	4.4	367	5.4	3.5	18.2	19.7	21.8	23.8	25.8	28.3	30.8
2.37	4.65	10.90	737	10.9	7.0	489	7.7	5.2	367	6.0	4.1	17.5	19.0	21.1	23.1	25.1	27.6	30.1
	9.00	21.20	738	29.9	25.0	489	21.1	18.3	367	16.4	14.4	...	...	...	...	...	...	17.7
2.38	11.80	28.00	734	40.8	34.6	486	29.2	25.9	366	22.8	20.5	...	...	...	...	...	...	...
	5.90	14.00	730	16.6	12.5	484	11.7	9.1	363	9.1	7.2	13.8	15.3	17.4	19.4	21.5	24.0	26.6
2.40	6.30	15.00	728	18.4	14.2	483	12.9	10.3	363	10.0	8.1	12.5	14.1	16.2	18.3	20.3	22.9	25.4
	13.20	31.50	730	45.7	38.6	484	33.1	29.5	363	25.9	23.5	...	...	...	...	...	...	...
2.41	6.70	16.00	726	20.2	15.9	482	14.2	11.5	361	11.0	9.1	.....	12.8	15.0	17.0	19.1	21.7	24.2
2.43	5.20	12.50	720	13.5	9.5	477	9.5	6.9	358	7.4	5.5	15.7	172	19.3	21.3	23.3	25.8	28.4
	5.50	13.20	721	14.8	10.8	478	10.4	7.9	358	8.1	6.2	14.8	16.4	18.4	20.5	22.5	25.0	27.6
2.44	4.90	11.80	718	12.1	8.1	476	8.5	6.0	357	6.6	4.78	16.5	18.1	20.1	22.1	24.1	26.7	29.2
	9.75	23.60	719	32.9	27.7	476	23.4	20.4	357	18.1	16.1	..	...	...	...	...	...	...
2.48	4.65	11.30	711	10.9	7.0	471	7.71	5.2	351	6.0	4.2	17.2	18.7	20.7	22.7	24.7	27.3	29.8
2.49	11.30	28.00	703	38.9	33.0	466	27.8	24.6	349	21.7	19.4	...	...	...	...	...	...	
ARC-LENGTH CORRECTION FACTOR —>												**.84**	**.84**	**.86**	**.87**	**.88**	**.89**	**.91**
	4.40	10.90	697	9.7	5.9	462	6.9	4.4	347	5.4	3.5	17.7	19.2	21.2	23.3	25.3	27.8	30.3
2.51	7.50	18.70	696	23.6	19.2	462	16.6	13.9	347	12.9	10.9	...	...	...	...	15.9	18.6	21.2
	8.50	21.20	697	27.9	23.1	462	19.7	16.8	347	15.2	13.2	...	...	...	...	...	...	18.1
	15.00	37.50	697	...	...	462	37.9	33.9	347	29.8	27.1	...	...	...	...	...	...	...
2.53	12.50	31.50	691	43.3	36.7	458	31.2	27.7	344	24.3	22.0	...	...	...	...	...	...	...
2.56	6.30	16.00	682	18.4	14.2	452	12.9	10.3	340	10.0	8.1	...	13.1	15.2	17.3	19.4	22.0	24.5
	4.65	11.80	681	10.9	7.0	451	7.7	5.2	339	6.0	4.2	16.7	18.2	20.3	22.3	24.3	26.8	29.4
	5.20	13.20	681	13.5	9.5	452	9.5	6.9	339	7.4	5.5	15.0	16.6	18.6	20.7	22.7	25.2	27.8
2.57	5.50	14.00	680	14.8	10.8	451	10.4	7.9	339	8.1	6.2	14.0	15.6	17.7	19.7	21.8	24.3	26.8
	5.90	15.00	681	16.6	12.5	452	11.7	9.1	339	9.1	7.2	12.8	14.4	16.5	18.5	20.6	23.1	25.7
	9.25	23.60	681	30.9	25.9	452	21.9	19.0	339	17.0	14.9	...	...	...	...	...	...	...
2.58	4.90	12.50	677	12.1	8.1	449	8.5	6.0	337	6.6	4.8	...	17.4	19.5	21.5	23.5	26.1	28.6
	10.90	28.00	677	37.4	31.7	449	26.7	23.5	337	20.8	18.6	...	...	...	...	...	...	...
2.60	4.40	11.30	672	9.8	5.9	445	6.9	4.4	335	5.4	3.5	...	18.9	20.9	22.9	24.9	27.9	30.0
2.64	9.00	23.60	663	29.9	25.0	439	21.2	18.3	330	16.4	14.4	...	...	...	...	...	...	...
2.66	7.10	18.70	659	21.9	17.6	437	15.4	12.7	327	12.0	10.0	...	...	...	...	16.2	15.8	26.5
2.67	8.00	21.20	655	25.8	21.2	434	18.2	15.4	326	14.1	12.1	...	...	...	...	...	...	18.4
2.68	11.80	31.50	652	40.8	34.6	432	29.2	25.9	325	22.8	20.5	...	...	...	...	...	...	...
2.69	14.00	37.50	650	48.4	40.7	431	35.3	31.5	323	27.6	25.1	...	...	...	...	...	...	...
2.72	4.40	11.80	643	9.8	5.9	426	6.9	4.4	320	5.4	3.5	...	18.4	20.4	22.5	24.5	27.0	29.5
	4.65	12.50	642	10.9	7.0	426	7.7	5.2	319	6.0	4.2	...	17.6	19.6	21.7	23.7	26.2	28.8
2.73	4.90	13.20	641	12.1	8.1	425	8.5	6.0	319	6.6	4.8	...	16.8	18.8	20.9	22.9	25.5	28.0
	5.20	14.00	642	13.5	9.5	426	9.5	6.9	319	7.4	5.5	...	15.8	17.9	19.9	22.0	24.5	27.1

NOTE: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long

** Stock belt size 5VX530 not shown

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

5VX D-V Wedge Single Belts to 200" POLYBAND to 200"

5V D-V Wedge Single Belts over 200" POLYBAND over 200"

STOCK DRIVE SELECTION

Ratio	Belt Number and Approx. Center Distance																								
	5VX 900	5VX 950	5VX 1000	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550
2.19	19.9	22.5	25.0	28.1	31.2	34.2	37.8	41.3	45.3	50	55	60	65	70	75	82	88	94	101	108	116	126	133	...	153
2.20	31.9	34.4	36.9	39.9	42.9	45.9	49.4	53.0	57.0	62	67	72	77	82	87	93	99	105	112	120	127	137	145	...	165
2.21	23.1	25.6	28.2	31.2	34.3	37.3	40.8	44.3	48.4	53	58	63	68	73	78	84	90	96	103	111	118	129	136	...	156
2.24	33.8	36.3	38.8	41.8	44.8	47.8	51.3	54.8	58.8	64	69	74	79	84	89	95	101	107	114	121	129	139	146	...	166
	33.1	35.6	38.2	41.2	44.2	47.2	50.7	54.2	58.2	63	68	73	78	83	88	94	100	106	113	121	128	138	146	...	166
	28.8	31.3	33.8	36.9	39.9	42.9	46.4	49.9	53.9	59	64	69	74	79	84	90	96	102	109	117	124	134	142	...	162
2.25	32.5	35.0	37.5	40.5	43.5	46.5	50.0	53.5	57.5	62	68	73	78	83	88	94	100	106	113	120	128	138	145	...	165
	...	...	...	...	22.9	26.0	29.7	33.3	37.4	43	48	53	58	63	68	74	80	86	93	100	108	118	125	...	145
2.26	29.8	32.3	34.8	37.8	40.8	43.8	47.4	50.9	54.9	60	65	70	75	80	85	91	97	103	110	117	125	135	142	...	162
	27.7	30.2	32.7	35.7	38.7	41.8	45.3	48.8	52.8	58	63	68	73	78	83	89	95	101	108	115	123	133	140	...	160
	...	...	...	...	...	...	25.2	28.9	33.1	38	43	48	54	59	64	70	76	82	89	96	104	114	121	...	141
2.27	26.5	29.0	31.5	34.6	37.6	40.6	44.1	47.6	51.7	57	62	67	72	77	82	88	94	100	107	114	122	132	139	...	159
2.29	31.5	34.0	36.5	39.5	42.5	45.5	49.0	52.6	56.6	62	67	72	77	82	87	93	99	105	112	119	127	137	144	...	164
2.30	30.7	33.2	35.7	38.7	41.7	44.7	48.2	51.7	55.8	61	66	71	76	81	86	92	98	104	111	118	126	136	143	...	163
	...	19.8	22.4	25.5	28.6	31.7	35.2	38.8	42.9	48	53	58	63	68	73	79	85	91	98	106	113	123	131	...	151
2.31	20.2	22.8	25.4	28.5	31.5	34.6	38.1	41.7	45.7	51	56	61	66	71	76	82	88	94	101	108	116	126	133	...	153
2.33	32.1	34.6	37.1	40.1	43.2	46.2	49.7	53.2	57.2	62	67	72	77	82	87	93	99	105	112	120	127	137	145	...	165
2.35	23.4	26.0	28.5	31.6	34.6	37.6	41.2	44.7	48.7	54	59	64	69	74	79	85	91	97	104	111	119	129	136	...	156
	...	...	...	...	...	...	...	...	...	31	36	42	47	52	57	63	69	75	82	120	97	107	115	...	135
2.37	33.3	35.8	38.3	41.3	44.4	47.4	50.9	54.4	58.4	63	68	73	78	83	88	94	100	106	113	121	128	138	146	...	166
	32.6	35.2	37.7	41.7	43.7	46.7	502	53.7	57.7	63	68	3	78	83	88	94	100	106	113	120	128	138	145	...	165
	20.4	23.0	25.6	28.6	31.7	34.7	38.3	41.8	45.9	51	56	61	66	71	76	82	88	94	101	109	116	125	134	...	154
2.38	...	...	...	...	23.3	26.5	30.2	33.8	37.9	43	48	53	58	63	68	74	80	86	93	101	108	118	126	...	146
2.40	29.1	31.6	34.1	37.1	40.2	43.2	46.7	50.2	54.2	59	64	69	74	79	84	90	96	102	109	117	124	134	142	...	162
	27.9	30.5	33.0	36.0	39.0	42.1	45.6	49.1	53.1	58	63	68	73	78	83	89	95	101	108	116	123	133	141	...	161
	...	...	...	...	...	...	25.8	29.5	33.6	39	44	49	54	59	64	70	76	82	89	97	105	115	122	...	142
241	26.8	29.3	31.8	34.9	37.9	40.9	44.4	48.0	52.0	57	62	67	72	77	82	88	94	100	107	115	122	132	140	...	160
2.43	30.9	33.4	35.9	38.9	41.9	45.0	48.5	52.0	56.0	61	66	71	76	81	86	92	98	104	111	119	126	136	144	...	164
	30.1	32.6	35.1	38.1	41.1	44.2	47.7	51.2	55.2	60	65	70	75	80	85	91	97	103	110	118	125	135	143	...	163
2.44	31.7	34.2	36.7	39.7	42.7	45.8	49.3	52.8	56.8	62	67	72	77	82	87	93	99	105	112	119	127	137	144	...	164
	...	20.1	22.8	25.9	29.0	32.1	35.6	39.2	43.3	48	53	58	76	68	73	80	86	92	99	106	114	125	131	...	151
2.46	32.3	34.8	37.3	40.3	43.3	46.4	49.9	53.4	57.4	62	67	72	77	82	87	93	99	105	112	120	127	137	145	...	165
2.49	...	...	...	...	23.7	26.8	30.5	34.1	38.2	43	48	53	59	64	69	75	81	87	94	101	109	119	126	...	146
	.92	**.93**	**.94**	**.95**	**.96**	**.97**	**.98**	**.99**	**1.00**	**1.01**	**1.03**	**1.04**	**1.05**	**1.06**	**1.07**	**1.08**	**1.08**	**1.09**	**1.10**	**1.10**	**1.12**	**1.13**	**1.14**	**1.15**	**1.16**
2.51	32.8	35.3	37.8	40.9	43.9	46.9	50.4	53.9	57.9	63	68	73	78	83	88	94	100	106	113	120	128	138	145	...	165
	23.8	26.3	28.9	31.9	35.0	38.0	41.5	45.1	49.1	54	59	64	69	74	79	85	91	97	104	112	119	129	137	...	157
	20.7	23.3	25.9	29.0	32.0	35.1	38.7	42.2	46.2	51	56	61	66	71	76	82	88	94	101	109	117	127	134	...	154
	...	...	...	...	...	...	...	...	...	32	37	42	47	53	58	64	70	76	83	91	98	108	116	...	136
2.53	...	...	...	...	...	...	26.2	29.9	34.1	39	44	49	55	60	65	71	77	83	90	97	105	115	123	...	143
2.56	27.1	29.6	32.1	35.2	38.2	41.2	44.7	48.3	52.3	57	62	67	72	77	82	88	94	100	107	115	122	132	140	...	160
2.57	31.9	34.4	36.9	39.9	42.9	45.9	49.5	53.0	57.0	62	67	72	77	82	87	93	99	105	112	120	127	137	115	...	165
	30.3	32.8	35.3	38.3	41.4	44.4	47.9	51.4	55.4	60	65	70	75	80	85	91	97	103	110	118	125	135	143	...	163
	29.4	31.9	34.4	37.4	40.5	43.5	47.0	50.5	54.5	59	64	70	75	80	85	91	97	103	110	117	125	135	142	...	162
	28.2	30.8	33.3	36.3	39.3	42.3	45.9	49.4	5.4	58	63	68	73	78	83	89	95	101	108	116	124	134	141	...	161
	...	20.4	23.1	26.2	29.3	32.4	36.0	39.5	43.6	49	54	58	64	67	74	80	86	92	99	106	114	124	132	...	152
2.58	31.1	33.6	36.1	39.2	42.2	45.2	48.7	52.2	56.2	61	66	71	76	81	86	92	98	104	111	119	126	136	144	154	164
	...	...	...	...	23.9	27.1	30.8	34.4	38.5	44	49	54	57	64	69	75	81	87	94	102	109	119	127	137	147
2.60	32.5	35.0	37.5	40.5	43.5	46.5	50.1	53.6	57.6	63	68	73	78	83	88	94	100	106	113	120	128	138	145	155	165
2.64	...	20.6	23.3	26.4	29.5	32.6	36.2	39.7	43.8	49	54	59	64	69	74	80	86	92	99	107	114	124	132	142	152
2.66	24.0	26.6	29.2	32.2	35.3	38.3	41.8	45.4	49.4	54	59	64	69	74	79	86	92	98	105	112	120	130	137	147	157
2.67	21.0	23.6	26.2	29.3	32.4	35.5	39.0	42.6	46.6	52	57	62	67	72	77	83	89	95	102	109	117	127	134	144	154
2.68	...	...	...	...	...	...	26.7	30.4	34.6	40	45	50	55	60	65	71	77	83	90	98	106	116	123	133	143
2.69	...	...	...	...	...	...	...	...	...	32	38	43	48	53	58	65	71	77	84	91	99	109	116	127	136
2.72	32.1	34.6	37.1	40.1	43.1	46.1	49.6	53.1	57.2	62	67	72	77	82	87	93	99	105	112	120	127	137	145	155	165
2.73	31.3	33.8	36.3	39.3	42.4	45.4	48.9	52.4	56.4	61	66	71	76	81	86	92	98	101	111	119	126	136	144	154	164
	30.5	33.0	35.5	38.6	41.6	44.6	48.1	51.6	55.6	61	66	71	76	81	86	92	98	104	111	118	126	136	143	153	163
	29.6	32.1	34.6	37.7	40.7	43.7	47.2	50.7	54.7	60	65	70	75	80	85	91	97	103	110	117	125	135	142	152	162

NOTES: ** Stock belt size 5V2650 & 5V3350 not shown
Arc & Length Factors are approximate values

Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

5VX D-V Wedge
Single Belts to 200"
POLYBAND to 200"

5V D-V Wedge
Single Belts over 200"
POLYBAND over 200"

STOCK DRIVE SELECTION

Ratio	Stock Sheaves Diameter		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**						
	Driver	Driven	Driven RPM	HP/Belt 5VX	HP/Belt 5VX	Driven RPM	HP/Belt 5VX	HP/Belt 5VX	Driven RPM	HP/Belt 5VX	HP/Belt 5VX	5VX 600	5VX 630	5VX 670	5VX 710	5VX 750	5VX 800	5VX 850
2.74	5.90	16.00	638	16.6	12.5	423	11.7	9.1	318	9.1	7.2	...	13.3	15.5	17.6	19.7	22.2	24.8
	10.30	28.00	640	35.1	29.7	424	25.0	21.9	318	19.4	17.3	...	...	...	...	...	...	...
2.76	5.50	15.00	634	14.8	10.8	420	10.4	7.9	315	8.1	6.2	...	14.6	16.7	18.8	20.9	23.4	26.0
2.80	8.50	23.60	626	27.9	23.1	415	19.7	16.8	311	15.3	13.2	...	...	...	...	...	...	...
	11.30	31.50	624	38.9	33.0	414	27.8	24.6	311	21.7	19.4	...	...	...	...	...	...	...
2.82	6.70	18.70	621	20.2	15.9	412	14.2	11.5	309	11.0	9.1	...	...	...	...	16.5	19.1	21.7
2.85	7.50	21.20	614	23.7	19.2	407	16.6	13.9	305	12.9	10.9	...	...	...	...	...	16.0	18.7
	13.20	37.50	613	45.7	38.7	406	33.1	29.5	305	25.9	23.5	...	...	...	...	...	...	...
2.88	4.40	12.50	607	9.8	5.9	402	6.9	4.4	302	5.4	3.5	...	17.8	19.8	21.9	23.9	26.4	28.9
	4.65	13.20	608	11.0	7.0	403	7.7	5.2	302	6.0	4.2	...	16.9	19.0	21.1	23.1	25.6	28.3
2.89	9.75	28.00	605	33.0	27.8	401	23.4	20.4	301	18.1	16.0	...	...	...	...	...	...	...
2.90	4.90	14.00	604	12.1	8.2	401	8.5	6.0	300	6.6	4.8	...	16.0	18.1	20.1	22.2	24.7	27.3
2.91	10.90	31.50	602	37.4	31.7	399	26.7	23.5	299	20.7	18.6	...	...	...	...	...	...	...
2.92	5.20	15.00	599	13.5	9.5	397	9.5	6.9	298	7.4	5.5	...	14.8	16.9	19.0	21.1	23.6	26.2
2.94	5.50	16.00	594	14.8	10.8	394	10.4	7.9	296	8.1	6.2	...	13.6	15.7	17.9	19.9	22.5	25.1
2.97	8.00	23.60	588	25.8	21.2	390	18.2	15.4	293	14.1	12.1	...	...	...	...	...	...	...
3.00	6.30	18.70	583	18.4	14.3	387	12.9	10.3	290	10.0	8.1	...	...	...	14.6	16.7	19.4	22.0
3.01	7.10	21.20	581	21.9	17.6	385	15.4	12.7	289	12.0	10.0	...	...	...	...	...	16.3	19.0
3.02	12.50	37.50	580	43.3	36.7	385	31.2	27.7	288	24.3	22.0	...	...	...	...	...	...	...
3.05	4.40	13.20	574	9.8	5.9	381	6.9	4.4	285	5.4	3.6	...	17.1	19.2	21.2	23.3	25.8	28.3
	4.65	14.00	573	10.9	7.0	380	7.7	5.2	285	6.0	4.2	...	16.2	18.3	20.3	22.4	24.9	27.5
	9.25	28.00	574	31.0	26.0	380	21.9	19.0	285	17.0	14.9	...	...	...	...	...	...	...
3.08	10.30	31.50	568	35.1	29.7	377	25.0	21.9	282	19.4	17.3	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>												**...**	**.82**	**.84**	**.86**	**.87**	**.88**	**.90**
3.10	4.90	15.00	564	12.1	8.2	374	8.5	6.0	281	6.6	4.8	...	15.0	17.1	19.2	21.3	23.8	26.4
3.12	5.20	16.00	561	13.5	9.50	372	9.5	6.9	279	7.4	5.5	...	13.8	15.9	18.1	20.1	22.7	25.3
3.13	9.00	28.00	558	30.0	25.0	370	21.2	18.3	278	16.4	14.4	...	...	...	...	...	...	...
3.14	16.00	50.00	558	...	...	370	40.5	36.2	277	31.9	29.1	...	...	...	...	...	...	...
3.18	7.50	23.60	551	23.7	19.2	365	16.6	13.9	274	12.9	10.9	...	...	...	...	...	...	...
3.20	11.80	37.50	547	40.8	34.6	363	29.3	25.9	272	22.8	20.5	...	...	...	...	...	...	...
	6.70	21.20	547	20.2	15.9	363	14.2	11.5	272	11.0	9.1	...	...	...	...	...	16.5	19.2
3.21	5.90	18.70	546	16.6	12.6	362	11.7	9.1	271	9.1	7.2	...	...	...	14.8	17.0	19.6	22.3
3.23	4.40	14.00	541	9.8	5.9	359	6.9	4.4	269	5.4	3.6	...	16.4	18.4	20.5	22.5	25.1	27.6
3.25	9.75	31.50	538	33.0	27.8	356	23.4	20.4	268	18.2	16.1	...	...	...	...	...	...	...
3.27	4.65	15.00	534	10.9	7.0	354	7.7	5.2	266	6.0	4.2	...	15.2	17.3	19.4	21.5	24.0	26.6
3.31	4.90	16.00	528	12.1	8.2	350	8.5	6.0	263	6.6	4.8	...	14.0	16.1	18.2	20.3	22.9	25.5
3.32	8.50	28.00	527	27.9	23.2	349	19.7	16.9	262	15.3	13.2	...	...	...	...	...	...	...
3.34	11.30	37.50	524	39.0	33.0	347	27.8	24.6	260	21.7	19.5	...	...	...	...	...	...	...
3.35	15.00	50.00	523	...	...	346	37.9	33.9	260	29.8	27.2	...	...	...	...	...	.....	...
3.36	7.10	23.60	521	22.0	17.6	346	15.4	12.7	259	12.0	10.0	...	...	...	...	...	...	...
3.40	6.30	21.20	514	18.4	14.3	341	13.0	10.3	256	10.0	8.1	...	...	...	...	...	16.8	19.5
3.43	9.25	31.50	510	31.0	26.0	338	21.9	19.0	254	17.0	14.9	...	...	...	...	...	...	...
3.44	5.50	18.70	508	14.8	10.8	337	10.4	7.9	253	8.1	6.2	...	...	...	15.1	17.2	19.9	22.5
3.46	10.90	37.50	505	37.5	31.7	335	26.7	23.5	251	20.8	18.6	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>												**0.79**	**0.81**	**0.83**	**0.85**	**0.86**	**0.87**	**0.89**
3.47	4.40	15.00	505	9.8	5.9	335	6.9	4.4	251	5.4	3.6	...	...	...	19.6	21.6	24.2	26.7
3.49	4.65	16.00	501	10.9	7.0	332	7.7	5.2	249	6.0	4.2	...	...	...	18.4	20.5	23.1	25.7
3.53	8.00	28.00	496	25.8	21.2	328	18.2	15.4	246	14.1	12.1	...	...	...	...	...	...	...
	9.00	31.50	496	30.0	25.0	329	21.2	18.2	246	16.4	14.4	...	...	...	...	...	...	...
3.56	6.70	23.60	491	20.2	16.0	326	14.2	11.5	244	11.0	9.1	...	...	...	...	...	...	...
3.59	14.00	50.00	487	48.4	40.8	323	35.3	31.5	242	27.6	25.1	...	...	...	...	...	...	...
3.64	5.90	21.20	481	16.7	12.6	319	11.7	9.1	239	9.1	7.2	...	...	...	...	...	17.0	19.7
3.65	5.20	18.70	480	13.5	9.5	318	9.5	6.9	238	7.4	5.5	...	...	...	15.2	17.4	20.1	22.7
3.67	10.30	37.50	477	35.5	29.7	316	25.0	21.9	237	19.4	17.3	...	...	...	...	...	...	...
3.70	4.40	16.00	473	9.8	5.9	314	6.93	4.4	235	5.4	3.56	...	...	...	18.6	20.7	23.3	25.8
ARC-LENGTH CORRECTION FACTOR —>												**...**	**...**	**...**	**0.81**	**0.83**	**0.85**	**0.87**

NOTE: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long

** Stock belt size 5VX530 not shown

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

5VX	D-V Wedge Single Belts to 200” POLYBAND to 200”

5V	D-V Wedge Single Belts over 200” POLYBAND over 200”

STOCK DRIVE SELECTION

Ratio	Belt Number and Approx. Center Distance																								
	5VX 900	5VX 950	5VX 100	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550
2.74	27.3	29.9	32.4	35.4	38.5	41.5	45.0	48.5	52.6	58	63	68	73	78	83	89	95	101	108	115	123	133	140	150	160
	...	...	...	...	24.3	27.5	31.2	34.8	38.9	44	49	54	59	64	69	75	81	87	95	102	110	120	127	137	147
2.76	28.5	31.0	33.6	36.6	39.6	42.6	46.2	49.7	53.7	59	64	69	74	79	84	90	96	102	109	116	124	134	141	151	161
2.80	18.2	20.9	23.6	26.7	29.8	32.9	36.5	40.1	44.1	49	54	59	64	69	74	80	86	92	99	107	115	125	132	142	152
	...	...	...	...	...	...	27.0	30.7	34.9	40	45	50	55	60	66	72	78	84	91	98	106	116	123	134	144
2.82	24.3	26.9	29.4	32.5	35.5	38.6	42.1	45.7	49.7	55	60	65	70	75	80	86	92	98	105	112	120	130	137	147	157
2.85	21.4	24.0	26.6	29.7	32.7	35.8	39.4	42.9	47.0	52	57	62	67	72	77	83	89	95	102	110	117	127	135	145	155
	...	...	...	...	...	...	...	...	...	33	38	44	49	54	59	65	71	77	84	92	99	110	117	127	137
2.88	31.5	34.0	36.5	39.5	42.5	45.5	49.1	52.6	56.6	62	67	72	77	82	87	93	99	105	112	119	127	137	144	154	164
	30.7	33.2	35.7	38.8	41.8	44.8	48.3	51.8	55.8	61	66	71	76	81	86	92	98	104	111	118	126	136	143	153	163
2.89	...	...	...	21.4	24.7	27.9	31.5	35.2	39.3	44	50	55	60	65	70	76	82	88	95	102	110	120	128	138	148
2.90	29.8	32.3	34.9	37.9	40.9	43.9	47.4	51.0	55.0	60	65	70	75	80	85	91	97	103	110	118	125	135	143	153	163
2.91	...	...	...	...	...	...	27.3	31.0	35.2	40	46	51	56	61	66	72	78	84	91	99	106	116	124	134	144
2.92	28.7	31.3	33.8	36.8	39.8	42.9	46.4	49.9	53.9	59	64	69	74	79	84	90	96	102	109	117	124	134	142	152	162
2.94	27.6	30.2	32.7	35.7	38.8	41.8	45.3	48.8	52.9	58	63	68	73	78	83	89	95	101	108	116	123	133	141	151	161
2.97	18.5	21.3	23.9	27.1	30.2	33.3	36.9	40.4	44.5	50	55	60	65	70	75	81	87	93	100	107	115	125	132	142	152
3.00	24.6	27.2	29.7	32.8	35.8	38.9	42.4	46.0	50.0	55	60	65	70	75	80	86	92	98	105	113	120	130	138	148	158
3.01	21.6	24.2	26.8	29.9	33.0	36.1	39.6	43.2	47.2	52	57	62	67	72	77	83	90	96	103	110	118	128	135	145	155
3.02	...	...	...	...	...	...	...	...	27.9	33	39	44	49	54	59	66	72	78	85	92	100	110	118	128	138
3.05	30.9	33.4	35.9	38.9	41.9	45.0	48.5	52.0	56.0	61	66	71	76	81	86	92	98	104	111	119	126	136	144	154	164
	30.0	32.5	35.0	38.1	41.1	44.1	47.6	51.1	55.2	60	65	70	75	80	85	91	97	103	110	118	125	135	143	143	163
	...	...	...	21.7	25.0	28.2	31.9	35.5	39.6	45	50	55	60	65	70	76	82	88	95	103	110	120	128	138	148
3.08	...	...	...	...	...	23.8	27.6	31.4	35.6	41	46	51	56	61	66	72	78	85	92	99	107	117	124	134	144
	.91	.92	.93	.94	.95	.96	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.10	1.12	1.13	1.14	1.15	1.16
3.10	28.9	31.5	34.0	37.0	40.1	43.1	46.6	50.1	54.1	59	64	69	74	79	84	90	96	102	109	117	124	134	142	152	162
3.12	27.8	30.4	32.9	36.0	39.0	42.0	45.5	49.1	53.1	58	63	68	73	78	83	89	95	101	108	116	123	133	141	151	161
3.13	...	...	...	21.9	25.2	28.4	32.0	35.7	39.8	45	50	55	60	65	70	76	82	88	95	103	110	121	128	138	148
3.14	...	...	...	...	...	...	...	...	...	...	...	...	...	40	45	51	58	64	71	79	87	97	104	114	125
3.18	18.9	21.6	24.3	27.4	30.5	33.6	37.2	40.8	44.9	50	55	60	65	70	75	81	87	93	100	108	115	125	133	143	153
3.20	21.9	24.5	27.1	30.2	33.3	36.4	...	...	28.4	34	39	44	50	55	60	66	72	78	85	110	100	128	118	128	138
	...	...	...	...	...	...	39.9	43.5	47.5	53	58	63	68	73	78	84	90	96	103	93	118	111	135	145	155
3.21	24.9	27.4	30.0	33.1	36.1	39.2	42.7	46.2	50.3	55	60	65	70	75	80	86	92	98	105	113	121	131	138	148	158
3.23	30.2	32.7	35.2	38.3	41.6	44.3	47.8	51.3	55.3	60	65	70	75	80	85	91	97	103	110	118	125	135	143	153	163
3.25	...	...	...	...	...	24.2	28.0	31.7	36.0	41	46	51	57	62	67	73	79	85	92	100	107	117	125	135	145
3.27	29.1	31.7	34.2	37.2	41.2	43.3	46.8	50.3	54.3	59	64	69	74	79	84	90	96	102	109	117	124	134	142	152	162
3.31	28.0	30.6	33.1	36.2	39.2	42.2	45.7	49.3	53.3	58	63	68	73	78	83	89	95	101	108	116	123	133	141	151	161
3.32	...	...	...	22.2	25.5	28.7	32.4	36.0	40.1	45	50	55	60	66	71	77	83	89	96	103	111	121	128	139	148
3.34	...	...	...	...	...	...	...	...	28.7	34	40	45	50	55	60	66	73	79	86	93	101	111	118	129	139
3.35	...	...	...	...	...	...	...	...	...	...	...	...	...	40	46	52	58	65	72	80	87	97	105	115	125
3.36	19.1	21.8	24.5	27.7	30.8	33.9	37.5	41.1	45.1	50	55	60	65	70	75	81	88	94	101	108	116	126	133	143	153
3.40	22.2	24.8	27.4	30.5	33.6	36.7	40.2	43.8	47.8	53	58	63	68	73	78	84	90	96	103	11	118	128	136	146	156
3.43	...	...	...	...	...	24.5	28.3	32.1	36.3	41	47	52	57	62	67	73	79	85	92	100	107	117	125	135	145
3.44	25.1	27.7	30.3	33.3	36.4	39.5	43.0	46.5	50.6	56	61	66	71	76	81	87	93	99	106	113	121	131	138	148	158
3.46	...	...	...	...	...	...	...	...	28.9	34	40	45	50	55	61	67	73	79	86	94	101	111	119	129	139
	.91	.92	.93	.94	.95	.96	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.10	1.12	1.13	1.14	1.15	1.16
3.47	29.3	31.8	34.4	37.4	40.4	43.4	47	50	54	59	64	70	75	80	85	91	97	103	110	...	125	...	142	...	162
3.49	28.2	30.8	33.3	36.3	39.4	42.4	46	49	53	58	63	68	74	79	84	90	96	102	109	...	124	...	141	...	161
3.53	...	...	333	22.5	25.8	29.0	33	36	40	46	51	56	61	66	71	77	83	89	96	...	111	...	129	...	149
	...	...	333	...	...	24.6	28	32	36	42	47	52	57	62	67	73	79	85	92	...	108	...	125	...	145
3.56	19.4	22.1	24.8	27.9	31.1	34.2	38	41	45	50	56	61	66	71	76	82	88	94	110	...	116	...	133	...	153
3.59	...	...	...	...	...	...	...	...	...	...	...	...	35	41	46	53	59	65	72	...	88	...	106	...	126
3.64	22.4	25.1	27.7	30.8	33.9	36.9	40	44	48	53	58	63	68	73	78	84	90	96	103	...	118	...	136	...	156
3.65	25.3	27.9	30.5	33.6	36.6	39.7	43	47	51	56	61	66	71	76	81	87	93	99	106	...	121	...	139	...	159
3.67	...	...	...	...	...	...	...	...	29	35	40	45	51	56	61	67	73	79	86	...	101	...	119	...	139
3.70	28.4	30.9	33.5	36.5	39.6	42.6	46	50	54	59	64	69	74	79	84	90	96	102	109	...	124	...	141	...	161
	.91	.92	.93	.94	.95	.96	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.10	1.12	1.13	1.14	1.15	1.16

NOTES: ** Stock belt size 5V2650 & 5V3350 not shown
Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

5VX D-V Wedge
Single Belts to 200"
POLYBAND to 200"

5V D-V Wedge
Single Belts over 200"
POLYBAND over 200"

STOCK DRIVE SELECTION

Ratio	Stock Sheaves Diameter		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**						
			Driven	HP/Belt		Driven	HP/Belt		Driven	HP/Belt		5VX	5VX	5VX	5VX	5VX	5VX	5VX
	Driver	Driven	RPM	5VX	5VX	RPM	5VX	5VX	RPM	5VX	5VX	600	630	670	710	750	800	850
ARC-LENGTH CORRECTION FACTOR —>												...	...	...	0.81	0.83	0.85	0.87
3.74	8.50	31.50	468	27.9	23.2	310	19.7	16.9	233	15.3	13.2	...	...	...	...	...	...	...
3.77	7.50	28.00	464	23.7	19.2	308	16.7	13.9	231	12.9	11.0	...	...	...	...	...	...	...
3.79	6.30	23.60	462	18.4	14.3	306	13.0	10.3	230	10.1	8.1	...	...	...	...	...	...	16.8
3.81	13.20	50.00	459	45.8	38.7	305	33.1	29.5	228	25.9	23.5	...	...	...	...	...	...	...
3.87	4.90	18.70	452	12.1	8.2	299	8.5	6.0	225	6.6	4.8	...	.....	...	15.4	1.76	20.3	22.9
3.88	9.75	37.50	452	33.0	27.8	299	23.4	20.4	224	18.2	16.1	...	...	...	...	...	...	...
3.91	5.50	21.20	448	14.9	10.8	297	10.4	7.9	223	8.1	6.2	...	...	...	...	...	1.73	20.0
3.97	8.00	31.50	440	25.8	21.2	292	18.2	15.4	219	14.1	12.1	...	...	...	...	...	...	...
3.99	7.10	28.00	439	22.0	17.6	291	15.4	12.8	218	12.0	10.0	...	...	...	...	...	...	...
4.02	12.50	50.00	435	43.3	36.7	288	31.2	27.8	216	24.4	22.0	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>												...	...	...	0.77	0.79	0.81	0.83
4.05	5.90	23.60	432	16.7	12.6	286	11.7	9.1	215	9.1	7.2	...	...	...	...	...	...	17.0
4.09	4.65	18.70	428	10.9	7.1	284	7.7	5.2	213	6.0	4.2	...	...	...	15.6	17.8	20.5	23.1
	9.25	37.50	428	31.0	26.0	284	21.9	19.0	213	17.0	14.9	...	...	...	...	...	...	...
4.14	5.20	21.20	423	13.5	9.5	280	9.5	7.0	210	7.4	5.5	...	...	...	...	...	17.4	20.2
4.20	9.00	37.50	416	30.0	25.1	276	21.2	18.3	207	16.4	14.4	...	...	...	...	...	...	...
4.23	6.70	28.00	414	20.2	16.0	274	14.2	11.6	206	11.0	9.1	...	...	...	...	...	...	...
4.24	7.50	31.50	412	23.7	19.2	273	16.7	13.9	205	12.9	11.0	...	...	...	...	...	...	...
4.26	11.80	50.00	410	40.8	34.6	272	29.3	26.0	204	22.8	20.5	...	...	...	...	...	...	...
4.33	4.40	18.70	405	9.8	5.9	201	6.9	4.4	201	5.4	3.6	...	...	...	15.7	17.9	20.6	23.3
4.35	5.50	23.60	402	14.9	10.8	267	10.4	7.9	200	8.1	6.2	...	...	...	...	...	...	17.3
ARC-LENGTH CORRECTION FACTOR —>												...	...	...	0.76	0.78	0.80	0.83
4.40	4.90	21.20	398	12.1	8.2	264	8.5	6.0	198	6.6	4.8	...	...	...	...	14.8	17.6	20.4
4.45	8.50	37.50	393	27.9	23.2	261	19.7	16.9	196	15.3	13.2	...	...	...	...	...	...	...
4.46	11.30	50.00	393	39.0	33.1	260	27.9	24.6	195	21.7	19.5	...	...	...	...	...	...	...
4.49	7.10	31.50	390	22.0	17.6	259	15.4	12.8	194	12.0	10.0	...	...	...	...	...	...	...
4.50	6.30	28.00	389	18.4	14.3	258	13.0	10.3	193	10.1	8.1	...	...	...	...	...	...	...
4.61	5.20	23.60	380	13.5	9.5	252	9.6	7.0	189	7.4	5.5	...	...	...	...	...	...	17.5
4.62	10.90	50.00	379	37.5	31.8	251	26.7	23.6	188	20.8	18.6	...	...	...	...	...	...	...
4.64	4.65	21.20	377	11.0	7.1	250	7.7	5.2	188	6.0	4.2	...	...	...	...	14.9	17.8	20.5
4.73	8.00	37.50	370	25.8	21.2	245	18.2	15.4	184	14.1	12.1	...	...	...	...	...	...	...
4.76	6.70	31.50	368	20.2	16.0	244	14.2	11.6	183	11.0	9.1	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>												...	...	...	0.73	0.76	0.78	0.80
4.81	5.90	28.0	364	16.7	12.6	241	11.7	9.1	181	9.1	7.2	...	...	...	...	...	...	...
4.89	10.30	50.0	358	35.2	29.7	237	25.0	21.9	178	19.4	17.3	...	...	...	...	...	...	...
4.90	4.90	23.60	357	12.1	8.2	237	8.5	6.0	178	6.7	4.8	...	...	...	...	...	...	1.77
4.91	4.40	21.20	357	9.8	5.9	236	6.9	4.4	177	5.4	3.6	...	...	...	...	15.1	17.9	20.7
5.05	7.50	37.50	346	23.7	19.2	230	16.7	13.9	172	12.9	11.0	...	...	...	...	...	...	...
5.06	6.30	31.50	346	18.5	14.3	229	13.0	10.3	172	10.0	8.1	...	...	...	...	...	...	...
5.16	4.65	23.6 0	339	11.0	7.1	225	7.74	5.2	169	6.0	4.2	...	...	...	...	...	...	17.8
5.17	5.50	28.00	339	14.5	10.8	225	10.4	7.9	168	8.1	6.2	...	...	...	...	...	...	...
	9.75	50.00	338	33.0	27.8	224	23.4	20.4	168	18.2	16.1	...	...	...	...	..	...	...
5.34	7.10	37.50	328	22.0	17.6	217	15.4	12.8	163	12.0	10.0	...	...	...	...	...	...	...
5.41	5.90	31.5	323	16.7	12.5	214	11.7	9.1	161	9.1	7.2	...	...	...	...	...	...	...
5.45	9.25	50.00	321	31.0	26.0	213	21.9	19.0	160	17.0	15.0		...	...	...	...	...	...
5.47	4.40	23.60	320	9.8	5.9	212	6.9	4.4	159	5.4	3.6	...	...	...	...	...	...	18.0
	5.20	28.00	320	13.5	9.5	212	9.5	7.0	159	7.4	5.5	...	...	...	...	...	...	...
5.61	9.00	50.00	312	29.8	25.1	207	21.2	18.3	155	16.4	14.4	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>												...	.80	.83	.85	.87	.89	.93

NOTE: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long

** Stock belt size 5VX530 not shown

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

5VX	D-V Wedge Single Belts to 200" POLYBAND to 200"

5V	D-V Wedge Single Belts over 200" POLYBAND over 200"

STOCK DRIVE SELECTION

Ratio	Belt Number and Approx. Center Distance																								
	5VX 900	5VX 950	5VX 100	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550
	.88	.90	.92	.93	.94	.95	.97	.96	.99	1.00	1.01	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.10	1.12	1.13	1.14	1.15	1.16
3.74	...	...	...	...	...	24.9	28.8	32.6	36.8	42	47	52	57	63	68	74	80	86	93	100	108	118	126	136	146
3.77	...	...	19.4	22.8	26.1	29.3	33.0	36.7	40.8	46	51	56	61	66	71	77	83	89	97	104	112	122	129	139	149
3.79	19.6	22.4	25.0	28.2	31.3	34.4	38.0	41.6	45.7	51	56	61	66	71	76	82	88	91	101	109	116	126	134	144	154
3.81	...	...	...	...	...	...	...	...	...	...	...	...	36	41	47	53	59	66	73	81	88	99	106	116	126
3.87	25.5	28.1	30.7	33.8	36.8	39.9	43.4	47.0	51.0	56	61	66	71	76	81	87	93	99	106	114	121	131	139	149	159
3.88	...	...	...	...	...	...	...	...	30	35	40	46	51	56	61	67	74	80	87	94	102	112	120	130	140
3.91	22.7	25.3	27.9	31.0	34.1	37.2	40.8	44.3	48.4	53	58	63	69	74	79	85	91	97	104	111	119	129	136	146	156
3.97	...	...	...	...	21.8	25.3	29.1	32.9	37.1	42	47	53	58	63	68	74	80	86	93	101	108	118	126	136	146
3.99	...	...	19.7	23.1	26.4	29.6	33.3	37.0	41.1	46	51	56	61	67	72	78	84	90	97	104	112	122	129	150	150
4.02	...	...	...	...	...	...	...	...	...	...	...	...	36	42	47	54	60	66	73	81	89	99	10	117	127
	.85	.87	.88	.90	.92	.93	.95	.96	.97	.99	1.00	1.01	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15
4.05	19.9	22.6	25.3	28.5	31.6	34.7	38.3	41.9	46.0	51	56	61	66	71	76	82	88	94	101	109	116	127	134	144	154
4.09	25.7	28.3	30.9	33.9	37.0	40.0	43.6	47.1	51.2	56	61	66	71	76	81	87	93	99	106	114	121	131	139	149	159
	...	..	...	...	...	...	...	...	30.0	35	41	46	51	56	62	68	74	80	87	95	102	112	120	130	140
4.14	22.9	25.5	28.1	31.3	34.3	37.4	41.0	44.6	49	54	59	64	69	74	79	85	91	97	104	111	119	129	136	147	157
4.20	...	...	...	...	...	...	...	25.5	30	36	41	46	51	57	62	68	74	80	87	95	102	113	120	130	140
4.23	...	...	19.9	23.3	26.6	29.9	33.6	37.2	41	46	52	57	62	67	72	78	84	90	97	105	112	122	130	140	150
4.24	...	...	...	...	22.1	25.6	29.4	33.2	37	43	48	53	58	63	68	74	80	86	94	101	109	119	126	136	146
4.26	...	...	...	...	...	...	...	...	...	...	...	...	36	42	48	54	60	67	74	82	89	100	107	117	127
4.33	25.9	28.5	31.0	34.1	37.2	40.2	43.8	47.3	51.4	56	61	66	72	77	81	88	94	100	107	114	122	132	139	149	159
4.35	20.1	22.9	25.6	28.7	31.9	35.0	38.6	42.2	46.3	51	56	61	67	72	77	83	89	95	102	109	117	127	134	144	154
	0.87	0.89	0.91	0.92	0.93	0.94	.95	.97	.98	.99	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15
4.40	23.1	25.7	28.3	31.5	34.6	37.6	41.2	44.8	48.8	54	59	64	69	74	79	85	91	97	104	112	119	129	137	147	157
4.45	...	...	...	...	...	...	...	25.8	30.4	36	41	47	52	57	62	68	74	81	88	95	103	113	120	131	141
4.46	...	...	...	...	...	...	...	...	...	...	,..	...	37	42	48	54	61	67	74	82	90	100	108	118	128
4.49	...	...	...	...	22.4	25.8	29.7	33.5	37.7	43	48	53	58	63	69	75	81	87	94	101	109	119	127	137	147
4.50	...	...	20.2	23.6	26.9	30.1	33.8	37.5	41.7	47	52	57	62	67	72	78	84	90	97	105	113	123	130	140	150
4.61	20.3	23.1	25.7	28.9	32.1	35.2	38.8	42.4	46.5	52	57	62	67	72	77	83	89	95	102	110	117	127	135	145	155
4.62	...	...	...	...	...	...	...	...	...	...	...	...	37	43	48	55	61	67	75	82	90	100	108	118	128
4.64	23.2	25.9	28.5	31.6	34.7	37.8	41.4	44.9	49.0	54	59	64	69	74	79	85	91	97	104	112	119	129	137	147	157
4.73	...	...	...	...	...	...	...	26.1	30.7	36	42	47	52	57	62	69	75	81	88	93	103	113	121	131	141
4.76	...	...	...	...	22.6	26.1	29.9	33.7	38.0	43	48	54	59	64	69	75	81	87	94	102	109	119	127	137	147
	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.91	0.93	0.96	0.97	0.98	1.00	1.01	1.02	1.036	10.4	1.06	1.07	1.08	1.09	1.10	1.12	1.13	1.14
4.81	...	...	20.4	23.8	27.1	30.4	34.1	37.8	41.9	47	52	57	62	67	73	79	85	91	98	105	113	123	130	140	150
4.89	...	...	...	...	...	...	...	...	...	...	...	...	37	43	49	55	61	68	75	83	90	101	108	119	129
4.90	20.5	23.2	25.9	29.1	32.3	35.4	39.0	42.6	46.7	52	57	62	67	72	77	83	89	95	102	110	117	127	135	145	155
4.91	23.4	26.0	28.7	31.8	34.9	38.0	41.6	45.1	49.2	54	59	64	69	74	79	85	91	97	105	112	120	130	137	147	157
5.05	...	...	...	...	...	...	...	26.4	31.0	37	42	47	52	58	63	69	75	81	88	96	104	114	121	131	141
5.06	...	...	...	...	22.9	26.3	30.2	34.0	38.3	44	49	54	59	64	69	75	81	87	94	102	110	120	127	137	147
5.16	20.6	23.4	26.1	29.3	32.4	35.5	39.2	42.8	46.9	52	57	62	67	72	77	83	89	95	102	110	117	127	135	145	155
5.17	...	...	20.6	24.1	27.4	30.6	34.4	38.0	42.2	47	52	58	63	68	73	79	85	91	98	106	113	123	134	141	151
	...	...	...	...	...	...	...	...	...	...	...	...	38	43	49	55	62	68	75	83	91	101	109	119	129
5.34	...	...	...	...	...	...	...	26.6	31.3	37	42	47	53	58	63	69	75	82	89	96	104	114	121	132	142
5.41	...	...	...	...	23.1	26.6	30.5	34.2	38.5	44	49	54	59	64	69	76	82	88	95	102	110	120	127	138	148
5.45	...	...	...	...	...	...	...	...	...	...	...	...	38	44	49	56	62	68	76	84	91	101	109	119	129
5.47	20.8	23.6	26.3	29.5	32.6	35.7	39.3	42.9	47.0	52	57	62	67	72	77	83	90	96	103	110	118	128	135	145	155
	...	...	20.8	24.3	27.6	30.8	34.5	38.2	42.4	48	53	58	63	68	73	79	85	91	98	106	113	123	131	141	151
5.61	...	...	...	...	...	...	...	...	...	...	...	32	38	44	49	56	62	69	76	84	91	102	109	119	130
	0.80	0.83	0.84	0.85			.93	.94	.96	.98	.99	1.00	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.06	1.11	1.09	1.13	1.12	1.15

NOTES: ** Stock belt size 5V2650 & 5V3350 not shown
Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

5VX D-V Wedge Single Belts to 200" POLYBAND to 200"

5V D-V Wedge Single Belts over 200" POLYBAND over 200"

STOCK DRIVE SELECTION

Ratio	Stock Sheaves Diameter		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**						
	Driver	Driven	Driven RPM	HP/Belt 5VX	HP/Belt 5VX	Driven RPM	HP/Belt 5VX	HP/Belt 5VX	Driven RPM	HP/Belt 5VX	HP/Belt 5VX	5VX 600	5VX 630	5VX 670	5VX 710	5VX 750	5VX 800	5VX 850
5.67	6.70	37.50	309	20.2	16.0	205	14.2	11.6	153	11.0	9.1	...	...	...	...	...	...	...
5.81	4.90	28.00	301	12.1	8.2	200	8.5	6.0	150	6.7	4.8	...	...	...	...	...	...	...
	5.50	31.50	301	14.9	10.8	199	10.5	7.9	150	8.1	6.2	...	...	...	...	...	...	...
5.94	8.50	50.00	295	27.9	23.2	195	19.7	16.9	146	15.3	13.3	...	...	...	...	...	...	...
6.03	6.30	37.50	290	18.5	14.3	192	13.0	10.3	144	10.1	8.1	...	...	...	...	...	...	...
6.13	4.65	28.00	285	11.0	7.1	189	7.7	5.2	142	6.0	4.2	...	...	...	...	...	...	...
6.16	5.20	31.50	284	13.5	9.5	188	9.5	7.0	141	7.4	5.5	...	...	...	...	...	...	...
6.32	8.00	50.00	277	25.8	21.2	184	18.2	15.4	138	14.1	12.1	...	...	...	...	...	...	...
6.45	5.90	37.50	271	16.7	12.6	180	11.7	9.1	135	9.1	7.2	...	...	...	...	...	...	...
6.49	4.40	28.00	270	9.8	5.9	179	6.9	4.4	134	5.4	3.6	...	...	...				
6.54	4.90	31.50	268	12.1	8.2	177	8.5	6.0	133	6.7	4.8	...	...	...	...	...	...	...
6.74	7.50	50.00	260	23.7	19.3	172	16.7	14.0	129	12.9	11.0	...	...	...	...	...	...	...
6.90	4.65	31.50	254	11.0	7.1	168	7.7	5.2	126	6.0	4.2	...	...	...	...	...	...	...
6.93	5.50	37.50	253	14.9	10.7	167	10.5	7.9	126	8.1	6.2	...	...	...	...	...	...	...
7.13	7.10	50.00	245	22.0	17.6	163	15.4	12.8	122	12.0	10.0	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>												...	...	...	...	...	...	...
7.30	4.40	31.50	240	9.8	5.9	159	6.9	4.4	119	5.4	3.6	...	...	...	...	...	...	...
7.33	5.20	37.50	239	13.5	9.5	158	9.5	7.0	119	7.4	5.5	...	...	...	...	...	...	...
7.56	6.70	50.00	231	20.2	16.0	153	14.2	11.6	115	11.0	9.1	...	...	...	...	...	...	...
7.79	4.90	37.50	225	12.1	8.2	149	8.5	6.0	112	6.7	4.8	...	...	...	...	...	...	...
8.05	6.30	50.00	217	18.5	14.3	144	13.0	10.4	108	10.1	82.0	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>												...	...	...	...	...	...	...
8.22	4.65	37.50	213	11.0	7.1	141	7.7	5.2	106	6.0	4.2	...	...	...	...	...	...	...
8.60	5.90	50.00	203	16.7	12.6	135	11.7	9.1	101	9.1	7.2	...	...	...	...	...	...	...
8.70	440	37.50	201	9.8	5.9	133	6.9	4.4	100	5.4	3.6	...	...	...	...	...	...	...
9.24	5.50	50.00	189	14.9	10.9	126	10.5	7.9	94	8.1	6.2	...	...	...	...	...	...	...
9.78	5.20	50.00	179	13.5	9.5	119	9.5	7.0	89	7.4	5.5	...	...	...	...	...	...	...
10.40	4.90	50.00	168	12.1	8.2	112	8.5	6.0	84	6.7	4.8	...	...	...	...	...	...	...
10.97	4.65	50.00	160	11.0	7.1	106	7.7	5.2	79	6.0	4.2	...	...	...	...	...	...	...
11.60	4.40	50.00	151	9.8	5.9	100	6.9	4.4	75	5.4	3.6	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>												...	...	...	...	...	...	...

NOTE: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long

** Stock belt size 5VX530 not shown

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

5VX	D-V Wedge Single Belts to 200” POLYBAND to 200”

5V	D-V Wedge Single Belts over 200” POLYBAND over 200”

STOCK DRIVE SELECTION

Ratio	Belt Number and Approx. Center Distance																								
	5VX 900	5VX 950	5VX 100	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550
5.67	...	...	...	...	...	...	...	26.9	31.5	37	40	48	53	58	63	70	76	82	89	97	104	114	122	132	142
5.81	...	18.0	21.0	24.4	27.8	31.0	34.7	38.4	42.6	48	53	58	63	68	73	79	85	91	98	106	114	124	131	141	151
	...	...	...	...	23.3	26.8	30.7	34.5	38.8	44	49	54	60	65	70	76	82	88	95	103	110	120	128	138	148
5.94	...	...	...	...	...	...	...	...	...	...	...	32	38	44	50	56	63	69	76	84	92	102	110	120	130
6.03	...	...	...	...	...	...	...	27.1	31.8	37	43	48	53	58	64	70	76	82	89	97	104	115	122	132	142
6.13	...	18.1	21.1	24.6	27.9	31.2	34.9	38.6	42.8	48	53	58	63	68	73	79	86	92	99	106	114	124	131	141	151
6.16	...	...	...	...	23.5	27.0	30.9	34.7	39.0	44	49	55	60	65	70	76	82	88	95	103	110	120	128	138	148
8.32	...	...	...	...	...	...	...	...	...	...	...	33	39	44	50	56	63	69	76.6	84	92	102	110	120	130
6.45	...	...	...	...	...	...	...	27.4	32.0	38	43	48	54	59	64	70	76	82	89	97	105	115	122	132	142
6.49	...	18.3	21.3	24.7	28.1	31.3	35.1	38.8	42.9	48	53	58	63	68	74	80	86	92	99	106	114	124	131	142	152
6.54	...	...	...	20.0	23.7	27.2	31.1	34.9	39.2	44	50	55	60	65	70	76	82	88	95	103	111	121	128	138	148
6.74	...	...	...	...	...	...	...	...	...	...	...	33	39	45	50	57	63	70	77	85	92	103	110	120	131
6.90	...	...	...	20.2	23.8	27.3	31.2	35.1	39.3	45	50	55	60	65	70	76	83	89	96	103	111	121	127	138	149
6.93	...	...	...	...	...	...	...	27.6	32.3	38	43	49	54	59	64	70	71	83	90	97	105	115	123	133	143
7.13	...	...	...	...	...	...	...	...	...	...	...	33	39	45	51	57	64	70	77	85	93	103	111	121	131
	...	**0.75**	**0.77**	**0.81**	**.84**	**0.87**	**0.88**	**0.89**	**0.91**	**0.93**	**0.94**	**0.95**	**0.97**	**0.99**	**1.00**	**4.02**	**1.04**	**1.06**	**10.9**	**1.09**	**1.10**	**1.11**	**1.12**	**1.13**	**1.14**
7.30	...	...	...	20.3	24.0	27.5	31.4	35.2	39.5	45	50	55	60	65	71	77	83	86	96	103	111	121	129	139	149
7.33	...	...	...	...	...	...	...	27.8	32.4	38	43	49	54	59	64	71	77	83	90	98	105	115	123	133	143.1
7.56	...	...	...	...	...	...	...	...	...	...	...	33	39	45	51	57	64	70	77	85	93	103	111	121	131.2
7.79	...	...	...	...	...	...	23.6	28.0	32.6	38	44	49	54	59	65	71	77	83	90	98	105	116	123	133	143.3
8.05	...	...	...	...	...	...	...	...	...	...	...	34	40	45	51	58	64	70	78	86	93	103	111	121	131
	...	**...**	**...**	**0.79**	**0.82**	**0.84**	**0.86**	**0.88**	**0.89**	**0.90**	**0.93**	**0.94**	**0.96**	**0.97**	**0.98**	**1.00**	**1.02**	**1.04**	**10.5**	**10.7**	**10.8**	**1.10**	**1.11**	**1.12**	**1.14**
8.22	...	...	...	...	...	...	23.7	28.1	32.8	38	44	49	54	60	65	71	77	83	90	98	106	116	123	133	143
8.60	...	...	...	...	...	...	...	...	...	...	...	34	40	46	51	59	64	71	78	86	94	104	111	122	132
8.70	...	...	...	...	...	...	23.9	28.3	33.0	39	44	49	55	60	65	71	77	83	91	98	106	116	123	134	144
9.24	...	...	...	...	...	...	...	...	...	...	...	34	40	46	52	58	64	71	78	86	94	104	112	122	132
9.78	...	...	...	...	...	...	...	...	...	...	...	34	40	46	52	58	64	71	78	86	94	104	112	122	132
10.40	...	...	...	...	...	...	...	...	...	...	...	35	41	46	52	59	65	71	79	86	91	104	112	122	132
10.97	...	...	...	...	...	...	...	...	...	...	...	35	41	47	52	59	65	72	79	87	94	105	112	123	133
11.60	...	...	...	...	...	...	...	...	...	...	...	35	41	47	52	59	65	72	79	87	95	101	112	123	133
	...	**...**	**...**	**...**	**...**	**...**	**0.84**	**0.86**	**0.87**	**0.88**	**0.90**	**0.92**	**0.94**	**0.95**	**0.96**	**0.98**	**1.00**	**1.02**	**1.04**	**1.05**	**1.07**	**1.09**	**1.11**	**1.12**	**1.14**

NOTE: Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

8V D-V Wedge & POLYBAND Belts

STOCK DRIVE SELECTIONS

Ratio	Stock Sheaves Diameter		1750 RPM Driver		1160 RPM Driver		870 RPM Driver		Belt Number and Approx. Center Distance							
	Driver	Driven	Driven RPM	HP Per Belt 8V	Driven RPM	HP Per Belt 8V	Driven RPM	HP Per Belt 8V	8VX 1000	8VX 1060	8VX 1120	8VX 1180	8VX 1250	8VX 1320	8VX 1400	8VX 1500
1.00	12.5	12.5	1750	50.9	1160	42.6	870	35.0	30.4	33.4	36.4	39.4	42.9	46.4	50.4	55.4
	13.2	13.2	1750	56.1	1160	47.3	870	38.9	29.3	32.3	35.3	38.3	41.8	45.3	49.3	54.3
	14.0	14.0	1750	61.7	1160	52.5	870	43.2	28.0	31.0	34.0	37.0	40.5	44.0	48.0	53.0
	15.0	15.0	...	...	1160	58.8	870	48.6	26.4	29.4	32.4	35.4	38.9	42.5	46.5	51.5
	16.0	16.0	...	...	1160	64.8	870	53.8	24.9	27.9	30.9	33.9	37.4	40.9	44.9	49.9
	17.0	17.0	...	...	1160	70.6	870	58.9	23.3	26.3	29.3	32.3	35.8	39.3	43.3	48.3
	18.0	18.0	...	...	1160	76.1	870	63.9	21.7	24.7	27.7	30.7	34.2	37.7	41.7	46.7
	19.0	19.0	...	...	1160	81.2	870	68.7	...	23.2	26.2	29.2	32.7	36.2	40.2	45.2
	20.0	20.0	...	...	1160	86.1	870	73.3	...	...	24.6	27.6	31.1	34.6	38.6	43.6
	21.2	21.2	...	...	1160	91.5	870	78.8	...	...	...	25.7	29.2	32.7	36.7	41.7
	22.4	22.4	...	...	....	....	870	84.0	...	...	...	...	27.3	30.8	34.8	39.8
	24.8	24.8	...	...	....	...	870	93.8	...	...	...	...	...	...	31.0	36.0
1.05	19.0	20.0	...	...	1101	82.5	826	69.6	...	...	25.4	28.4	31.9	...	39.4	44.4
1.06	12.5	13.2	1656	53.0	1098	44.1	823	36.1	29.8	32.8	35.8	38.8	42.3	45.8	49.8	54.8
	13.2	14.0	1649	58.4	1093	48.7	820	40.0	28.6	31.6	34.6	37.6	41.1	44.6	48.6	53.6
	16.0	17.0	...	...	1091	66.3	818	54.9	24.1	27.1	30.1	33.1	36.6	40.1	44.1	49.1
	17.0	18.0	...	...	1095	72.1	821	60.0	22.5	25.5	28.5	31.5	35.0	38.5	42.5	47.5
	18.0	19.0	...	...	1098	77.5	824	65.0	...	23.9	27.0	30.0	33.5	37.0	41.0	46.0
	20.0	21.2	...	...	1094	87.6	820	74.5	...	...	...	26.7	30.2	33.7	37.7	42.7
	21.2	22.4	...	...	1097	93.0	823	79.9	...	...	...	...	28.3	31.8	35.8	40.8
1.07	14.0	15.0	1632	64.2	1082	54.2	811	44.5	27.2	30.2	33.2	36.2	39.7	43.2	47.2	52.2
	15.0	16.0	...	...	1087	60.5	815	49.8	25.7	28.7	31.7	34.7	38.2	41.7	45.7	50.7
1.11	18.0	20.0	...	...	1043	78.5	782	65.7	...	23.1	26.2	39.2	32.7	36.2	40.2	45.2
	22.4	24.8	...	...	...	...	785	85.8	...	...	...	...	...	28.9	32.9	37.9
ARC-LENGTH CORRECTION FACTOR —>									**.86**	**.87**	**.86**	**.89**	**.90**	**.90**	**.91**	**.92**
1.12	12.5	14.0	1560	54.8	1034	45.2	775	37.0	29.2	32.2	35.2	38.2	41.7	45.2	49.2	54.2
	17.0	19.0	...	...	1037	73.2	777	60.8	21.7	24.7	27.7	30.7	34.2	37.7	41.7	46.7
	19.0	21.2	...	...	1038	83.8	779	70.6	...	...	24.4	27.4	30.9	34.4	38.4	43.4
	20.0	22.4	...	...	1035	88.7	776	75.3	...	...	...	25.7	29.3	32.7	36.7	41.7
1.13	16.0	18.0	...	...	1030	67.5	772	55.9	23.3	26.3	29.3	32.3	35.8	39.3	43.3	48.3
1.14	13.2	15.0	1537	60.4	1019	50.1	764	41.0	27.8	30.8	33.9	36.9	40.4	43.9	47.9	52.9
	14.0	16.0	1528	66.1	1013	55.4	760	45.4	26.4	29.4	32.4	35.4	38.9	42.4	46.4	51.4
	15.0	17.0	...	...	1022	61.66	766	50.7	24.9	27.9	30.9	33.9	37.4	40.9	44.9	49.9
1.17	21.2	24.8	...	...	990	94.83	743	81.3	...	...	...	...	...	29.8	33.8	38.8
1.18	17.0	20.0	...	...	984	73.98	738	61.4	...	23.9	26.9	29.9	33.4	36.9	40.9	45.9
	18.0	21.2	...	...	983	79.46	737	66.4	...	...	25.2	28.2	31.7	35.2	39.2	44.2
	19.0	22.4	...	...	982	84.65	737	71.3	...	...	...	26.4	30.0	33.5	37.5	42.5
1.19	16.0	19.0	...	...	975	68.33	731	56.4	22.5	25.5	28.5	31.5	35.0	38.5	42.5	47.5
1.20	12.5	15.0	1454	56.4	964	46.20	723	37.7	28.4	31.4	34.4	37.4	40.9	44.4	48.4	53.4
	15.0	18.0	...	...	964	62.40	723	51.3	24.0	27.1	30.1	33.1	36.6	40.1	44.1	49.1
1.21	24.8	30.0	...	...	...	...	718	96.6	...	...	...	...	...	...	...	31.9
1.22	13.2	16.0	1440	61.8	954	51.09	716	41.7	27.0	30.0	33.0	36.1	39.6	43.1	47.1	52.1
	14.0	17.0	1438	67.4	953	56.31	715	46.1	25.6	28.6	31.6	34.6	38.1	41.6	45.6	50.6
1.24	20.0	24.8	...	...	934	90.14	700	76.4	...	...	...	...	27.2	30.7	34.7	39.7
1.25	16.0	20.0	...	...	926	68.92	694	56.9	21.6	24.7	27.7	30.7	34.2	37.7	41.7	46.7
	17.0	21.2	...	...	928	74.68	696	62.0	...	22.9	25.9	28.9	32.4	36.0	40.0	45.0
	18.0	22.4	...	...	930	80.16	698	66.9	...	...	24.2	27.2	30.7	34.2	38.2	43.2
1.27	15.0	19.0	...	...	913	63.04	685	51.8	23.2	26.2	29.2	32.2	35.8	39.3	43.3	48.3
1.28	12.5	16.0	1362	57.5	903	46.92	677	38.2	27.6	30.6	33.6	36.6	40.1	43.6	47.6	52.6
1.29	13.2	17.0	1354	62.8	898	51.68	673	42.2	26.2	29.2	32.2	35.2	38.7	42.3	46.3	51.3
	14.0	18.0	1357	68.3	899	56.89	674	46.5	24.8	27.8	30.8	33.8	37.3	40.8	44.8	49.8
1.31	19.0	24.8	...	...	887	85.80	665	72.1	...	...	...	...	27.9	31.5	35.5	40.5
1.32	17.0	22.4	...	...	878	75.19	658	62.4	...	...	24.9	27.9	31.5	35.0	39.0	44.0
1.33	16.0	21.2	...	...	873	69.49	655	57.3	...	23.7	26.7	29.7	33.2	36.7	40.7	45.7
1.34	15.0	20.0	...	...	867	63.51	650	52.1	22.4	25.4	28.4	31.4	34.9	38.4	42.5	47.5
	22.4	30.0	...	...	...	...	648	87.6	...	...	...	...	...	...	...	33.7
ARC-LENGTH CORRECTION FACTOR —>									**.84**	**.85**	**.86**	**.87**	**.88**	**.89**	**.90**	**.90**

NOTE: Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

8V D-V Wedge & POLYBAND Belts

STOCK DRIVE SELECTIONS

Ratio	Belt Number and Approx. Center Distance																					
	8VX 1600	8VX 1700	8VX 1800	8VX 1900	8VX 2000	8V 2120	8V 2240	8V 2360	8V 2500	8V 2650	8V 2800	8V 3000	8V 3150	8V 3350	8V 3550	8V 3750	8V 4000	8V 4250	8V 4500	8V 4750	8V 5000	8V 5600
	60.4	65.4	70.4	75.4	80.4	86.4	92.4	98.4	105	113	120	130	138	148	158	168	180	193	205	218	230	260
	59.3	64.3	69.3	74.3	79.3	85.3	91.3	97.3	104	112	119	129	137	147	157	167	179	192	204	217	229	259
	58.0	63.0	68.0	73.0	78.0	84.0	90.0	96.0	103	110	118	128	135	145	155	165	178	190	203	215	228	258
	56.5	61.5	66.5	71.5	76.5	82.5	88.5	94.5	101	109	116	126	134	144	154	164	176	189	201	214	226	256
	54.9	59.9	64.9	69.9	74.9	80.9	86.9	92.9	100	107	115	125	132	142	152	162	175	187	200	212	225	255
1.00	53.3	58.3	63.3	68.3	73.3	79.3	85.3	91.3	98	106	113	123	131	141	151	161	173	186	198	211	223	253
	51.7	56.7	61.7	66.7	71.7	77.7	83.7	89.7	97	104	112	122	129	139	149	159	172	184	197	209	222	252
	50.2	55.2	60.2	65.2	70.2	76.2	82.2	88.2	95	103	110	120	127	138	148	158	170	183	195	208	220	250
	48.6	53.6	56.6	63.6	68.6	74.6	80.6	86.6	94	101	109	119	126	136	146	156	169	181	194	206	219	248
	46.7	51.7	56.7	61.7	66.7	72.7	78.7	84.7	92	99	107	117	124	134	144	154	167	179	192	204	217	247
	44.8	49.8	54.8	59.8	64.8	70.8	76.8	82.8	90	97	105	115	122	132	142	152	165	177	190	202	215	245
	41.0	46.0	51.0	56.0	61.0	67.0	73.0	79.0	86	93	101	111	118	128	138	148	161	173	186	198	211	241
1.05	49.4	54.4	59.4	64.4	69.4	75.4	81.4	87.4	94	102	109	119	127	137	147	1570	169	182	194	267	219	249
	59.8	64.8	69.8	74.8	79.8	85.8	91.8	97.8	105	112	120	130	137	147	157	167	180	192	205	217	230	26
	58.6	63.6	68.6	73.6	78.6	84.6	90.6	96.6	104	111	119	129	136	146	156	166	179	191	204	216	229	259
	54.1	59.1	64.1	69.1	74.1	80.1	86.1	92.1	99	107	114	124	132	142	152	162	174	187	199	212	224	254
1.06	52.5	57.5	62.5	67.5	72.5	78.5	84.5	90.5	97	105	112	122	130	140	150	160	172	185	197	210	222	252
	51.0	56.0	61.0	66.0	71.0	77.0	83.0	89.0	96	103	111	121	128	138	148	158	171	183	196	208	221	251
	47.7	52.7	57.7	62.7	67.7	73.7	79.7	85.7	93	100	108	118	125	135	145	155	168	180	193	206	218	248
	45.8	50.8	55.8	60.8	65.8	71.8	77.8	83.8	91	98	106	116	123	133	143	153	166	178	191	203	216	246
1.07	57.2	62.2	67.2	72.2	77.2	83.2	89.2	95.2	102	110	117	127	134	145	155	165	177	190	202	215	227	257
	55.2	60.7	65.7	70.7	75.7	81.7	87.7	93.7	101	108	116	126	133	143	153	163	176	188	201	213	226	256
1.11	50.2	55.2	60.2	65.2	70.2	76.2	82.2	86.2	95	103	110	120	128	138	148	158	170	183	195	208	220	250
	42.9	47.9	52.9	57.9	62.9	68.9	74.9	80.9	88	95	103	113	120	130	140	150	163	175	188	200	213	243
	.93	**.94**	**.95**	**.96**	**.97**	**.97**	**.98**	**.99**	**1.00**	**1.01**	**1.02**	**1.03**	**1.03**	**1.04**	**1.05**	**1.06**	**1.07**	**1.08**	**1.09**	**1.09**	**1.10**	**1.12**
	59.2	64.2	69.2	74.2	79.2	85.2	91.2	97.2	104	112	119	129	137	147	157	167	179	192	204	217	229	259
1.12	51.7	56.7	61.7	66.7	71.7	77.7	83.7	89.7	97	104	112	122	129	139	149	159	172	184	197	209	222	252
	48.4	53.4	58.4	63.4	68.4	74.4	80.4	86.4	93	101	108	118	126	136	146	156	168	181	193	206	218	248
	46.7	51.7	56.7	61.7	66.7	72.7	78.7	84.7	92	99	107	117	124	134	144	154	167	179	191	204	217	247
1.13	53.3	58.3	63.3	68.3	73.3	79.3	85.3	91.3	98	106	113	123	131	141	151	161	173	186	198	211	223	253
	57.9	62.9	67.9	72.9	77.9	83.9	89.9	95.9	103	110	118	128	135	145	155	165	118	190	203	215	228	258
1.14	56.4	61.4	66.4	71.4	76.4	82.4	88.4	94.4	101	109	116	126	134	144	154	164	17	189	201	214	226	256
	54.9	59.9	64.9	69.9	74.9	80.9	86.9	92.9	100	107	115	125	132	142	152	162	175	187	200	212	225	255
1.17	43.8	48.8	53.8	58.8	63.8	69.8	75.9	81.9	89	96	104	114	121	131	141	151	164	176	189	201	214	244
	50.9	55.9	60.9	65.9	70.9	76.9	82.9	88.9	96	103	111	121	128	138	148	158	171	183	196	208	221	251
1.18	49.2	54.2	59.2	64.2	69.2	75.2	81.2	87.2	94	102	109	119	127	137	147	157	169	182	194	207	219	249
	47.5	52.5	57.5	62.5	67.5	73.5	79.5	85.5	92	100	107	117	125	135	145	155	167	180	192	205	217	247
1.19	52.5	57.5	62.5	67.5	72.5	78.5	84.5	90.5	97	105	112	122	130	140	150	160	172	185	197	210	222	252
1.20	58.4	63.4	68.4	73.4	78.4	84.4	90.4	96.4	103	111	118	128	136	146	156	166	178	191	203	216	228	258
	54.1	59.1	64.1	69.1	74.1	80.1	86.1	92.1	99	107	114	124	132	142	152	162	174	187	199	212	224	254
1.21	36.9	41.9	46.9	51.9	56.9	62.9	68.9	74.9	82	89	97	107	114	124	134	144	157	169	182	194.	207	237
1.22	57.1	62.1	67.1	72.1	77.1	83.1	89.1	95.1	102	110	117	127	135	145	155	165	177	190	202	215	227	257
	55.6	60.6	65.6	70.6	75.7	81.7	87.7	93.7	101	108	116	126	133	143	153	163	176	186	201	213	226	256
1.24	44.8	49.8	54.8	59.8	64.8	70.8	76.8	82.8	90	97	105	115	122	132	142	152	165	177	190	202	215	244
	51.7	56.7	61.7	66.7	71.7	77.7	83.7	89.7	97	104	112	122	129	139	149	159	172	184	197	209	222	252
1.25	50.0	55.0	60.0	65.0	70.0	76.0	82.0	88.0	95	102	110	120	127	137	147	157	170	182	195	207	220	250
	48.2	53.2	58.2	63.2	68.3	74.3	80.3	86.3	93	101	108	118	126	136	146	156	168	181	193	206	218	248
1.27	53.3	58.3	63.3	68.3	73.3	79.3	85.3	91.3	98	106	113	123	131	141	151	161	173	186	198	212	223	253
1.28	57.6	62.6	67.6	72.6	77.6	83.6	89.6	95.6	103	110	118	128	135	145	155	165	178	190	203	21	228	258
1.29	56.3	61.3	66.3	71.3	76.3	82.3	88.3	94.3	101	109	116	126	134	144	154	164	176	189	201	214	226	256
	54.8	59.8	64.8	69.9	74.9	80.9	86.9	92.9	100	107	115	125	132	142	152	162	175	187	200	212	225	255
1.31	45.5	50.5	55.5	60.5	65.5	71.5	77.5	83.5	91	98	106	116	123	133	143	153	166	178	191	203	216	245
1.32	49.0	54.0	59.0	64.0	69.0	75.0	81.0	87.0	94	101	109	119	126	135	146	156	169	182	194	207	219	249
1.33	50.7	55.7	60.7	65.7	70.8	76.8	82.8	88.8	96	103	111	121	128	138	148	158	171	183	196	208	221	251
1.34	52.5	57.5	62.5	67.5	72.5	78.5	84.5	90.5	97	105	112	122	130	140	150	160	172	185	197	210	222	252
	38.7	43.7	48.7	53.7	58.7	64.8	70.8	76.8	84	91	99	109	116	126	136	146	159	171	184	196	209	239
	.92	**.93**	**.94**	**.95**	**.96**	**.97**	**.98**	**.98**	**.99**	**1.00**	**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.06**	**1.06**	**1.07**	**1.08**	**1.09**	**1.10**	**1.11**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

8V D-V Wedge & POLYBAND Belts

STOCK DRIVE SELECTIONS

Ratio	Stock Sheaves		1750 RPM Driver		1160 RPM Driver		870 RPM Driver		Belt Number and Approx. Center Distance							
	Outside Diameter		Driven RPM	HP Per Belt	Driven RPM	HP Per Belt	Driven RPM	HP Per Belt	8VX 1000	8VX 1060	8VX 1120	8VX 1180	8VX 1250	8VX 1320	8VX 1400	8VX 1500
	Driver	Driven		8V		8V		8V								
1.36	14.0	19.0	1285	69.0	851	57.3	639	46.9	24.0	27.0	30.0	33.0	36.5	40.0	44.0	49.0
1.37	12.5	17.0	1281	58.3	849	47.5	637	38.7	26.7	29.8	32.8	35.8	39.3	42.8	46.8	51.8
	13.2	18.0	1278	63.5	847	52.2	635	42.5	25.4	28.4	31.4	34.4	37.9	41.4	45.4	50.5
1.38	18.0	24.8	...	...	839	81.0	630	67.6	...	...	..	25.2	28.7	32.2	36.2	41.2
1.41	16.0	22.4	...	...	826	69.9	619	57.6	...	...	25.7	28.7	32.2	35.7	39.7	44.7
1.42	15.0	21.2	...	...	818	63.9	613	52.4	...	24.4	27.4	30.4	33.9	37.5	41.5	46.5
	21.2	30.0	...	...	817	96.7	613	82.7	...	...	...	...	...	...	29.5	34.5
1.43	14.0	20.0	1220	69.5	808	57.7	606	47.1	23.1	26.1	29.2	32.2	35.7	39.2	43.2	48.2
	24.8	35.5	...	...	...	...	606	97.6	...	...	...	...	...	...	...	...
1.45	12.5	18.0	1209	58.8	802	47.8	601	38.9	25.9	28.9	31.9	34.9	38.5	42.0	46.0	51.0
	13.2	19.0	1210	64.0	802	52.5	602	42.8	24.6	27.6	30.6	33.6	37.1	40.6	44.6	49.6
1.46	17.0	24.8	...	...	792	75.9	594	62.9	...	...	...	25.9	29.4	32.9	37.0	42.0
1.50	15.0	22.4	...	...	773	64.2	580	52.6	...	23.3	26.4	29.4	32.9	36.5	40.5	45.5
1.51	20.0	30.0	...	...	771	91.5	578	77.5	...	...	...	...	...	...	30.3	35.4
1.52	13.2	20.0	1149	64.4	762	52.7	571	43.0	23.7	26.7	29.7	32.8	36.3	39.8	43.8	48.8
	14.0	21.2	1150	69.9	762	57.9	572	47.3	22.1	25.1	28.1	31.2	34.7	38.2	42.2	47.2
1.53	12.5	19.0	1145	59.2	759	48.2	569	39.1	25.1	28.1	31.1	34.1	37.6	41.1	45.2	50.2
1.56	16.0	24.8	...	...	745	70.4	559	58.0	...	...	...	26.6	30.1	33.7	37.7	42.7
1.59	19.0	30.0	...	...	732	86.9	549	72.9	...	...	...	...	...	...	31.0	36.1
	22.4	35.5	...	...	...	...	547	88.3	...	...	...	...	...	...	...	...
1.61	12.5	20.0	1087	59.5	721	48.3	540	39.3	24.2	27.2	30.3	33.3	36.8	40.3	44.3	49.3
	14.0	22.4	1088	70.2	721	58.2	541	47.5	...	24.1	27.1	30.1	33.7	37.2	41.2	46.2
1.62	13.2	21.2	1083	64.7	718	53.0	539	43.2	22.6	25.7	28.7	31.7	35.3	38.8	42.8	47.8
	24.8	40.0	...	...	...	...	538	98.0	...	...	...	...	...	...	...	...
1.66	15.0	24.8	...	...	698	64.6	523	52.9	...	...	24.2	27.3	30.9	34.4	38.4	43.5
ARC-LENGTH CORRECTION FACTOR —>									**.83**	**.84**	**.85**	**.86**	**.87**	**.88**	**.89**	**.91**
1.67	18.0	30.0	...	...	693	81.9	520	68.2	...	...	...	...	...	27.7	31.7	36.8
1.68	21.2	35.5	...	...	690	97.4	518	83.2	...	...	...	...	...	...	...	...
1.71	12.5	21.2	1025	59.7	679	48.4	510	39.4	23.1	26.2	29.2	32.3	35.8	39.3	43.3	48.3
	13.2	22.4	1025	65.0	679	53.1	509	43.3	21.6	24.6	27.7	30.7	34.2	37.8	41.8	46.8
1.77	17.0	30.0	...	...	654	76.5	490	63.4	...	...	...	...	...	28.4	32.5	37.5
1.78	14.0	24.8	982	70.6	651	58.4	488	47.7	...	...	24.9	28.0	31.6	35.1	39.2	44.2
	20.0	35.5	...	...	651	92.1	488	77.9	...	...	...	...	...	...	...	...
1.79	22.4	40.0	...	...	...	...	485	88.5	...	...	...	...	...	...	...	...
1.80	12.5	22.4	970	59.9	643	48.6	482	39.5	22.0	25.1	28.2	31.2	34.7	38.3	42.3	47.3
	24.8	44.5	...	...	...	...	483	98.3	...	...	...	...	...	...	...	...
1.88	19.0	35.5	...	...	618	87.3	463	73.2	...	...	...	...	...	...	...	31.1
1.89	13.2	24.8	925	65.3	613	53.3	460	43.4	...	...	25.5	28.6	32.1	35.7	39.7	44.8
	16.0	30.0	...	...	615	70.9	461	58.4	...	...	...	...	...	29.0	33.1	38.2
1.90	21.2	40.0	...	...	612	97.6	459	83.4	...	...	...	...	...	...	...	...
1.98	18.0	35.5	...	...	585	82.2	439	68.5	...	...	...	...	...	...	...	31.8
2.00	12.5	24.8	875	60.2	580	48.7	435	39.6	...	22.9	26.0	29.1	32.6	36.2	40.2	45.3
	22.4	44.5	...	...	...	...	436	88.7	...	...	...	...	...	...	...	...
2.01	15.0	30.0	...	...	576	64.9	432	53.2	...	...	...	...	26.1	29.7	33.8	38.9
	20.0	40.0	...	...	577	92.3	433	78.0	...	...	...	...	...	...	...	...
2.10	17.0	35.5	...	...	552	76.8	414	63.6	...	...	...	...	...	...	...	32.4
2.11	21.2	44.5	...	...	550	97.8	412	83.5	...	...	...	...	...	...	...	...
2.12	19.0	40.0	...	...	548	87.5	411	73.4	...	...	...	...	...	...	...	...
2.15	24.8	53.0	...	...	...	...	405	98.5	...	...	...	...	...	...	...	...
2.16	14.0	30.0	810	71.1	537	58.7	403	47.9	...	...	...	...	26.7	30.4	34.5	39.6
2.23	16.0	35.5	...	...	519	71.1	389	58.5	...	...	...	...	...	...	...	33.1
2.24	18.0	40.0	...	...	519	82.3	389	68.6	...	...	...	...	...	...	...	...
	20.0	44.5	...	...	518	92.4	389	78.1	...	...	...	...	...	...	...	...
2.29	13.2	30.0	763	65.6	506	53.6	380	43.6	...	...	...	...	27.3	30.9	35.1	40.2
2.36	19.0	44.5	...	...	492	87.6	369	73.4	...	...	...	...	...	...	...	...
2.37	17.0	40.9	...	...	490	76.9	367	63.6	...	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>									**.80**	**.80**	**.81**	**.81**	**.82**	**.83**	**.85**	**.87**

NOTE: Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

8V D-V Wedge & POLYBAND Belts

STOCK DRIVE SELECTIONS

Speed Ratio	Belt Number and Approx. Center Distance																					
	8VX	8VX	8VX	8VX	8VX	8V	8V	8V	8V	8V	8V	8V	8V	8V	8V	8V	8V	8V	8V	8V	8V	8V
	160	1700	1800	1900	2000	2120	2240	2360	2500	2650	2800	3000	3150	3350	3550	3750	4000	4250	4500	4750	5000	5600
1.36	54.0	59.0	64.0	69.0	74.1	80.1	86.1	92.1	99	107	114	124	132	142	152	162	174	187	199	212	224	254
1.37	56.8	61.8	66.8	71.8	76.8	82.8	88.8	94.8	102	109	117	127	134	144	154	164	177	189	202	214	227	257
	55.5	60.5	65.5	70.5	75.5	81.5	87.5	93.5	101	108	115	125	133	143	153	163	175	186	200	213	225	255
1.38	46.3	51.3	56.3	61.3	66.3	72.3	78.3	84.3	91	99	106	116	124	134	144	154	166	179	191	204	216	246
1.41	49.8	54.8	59.8	64.8	69.8	75.8	81.8	87.8	95	102	110	120	127	137	147	157	170	182	195	207	220	250
1.42	51.5	56.5	61.5	66.5	71.5	77.5	83.5	89.5	97	104	111	121	129	139	149	159	172	184	197	209	222	252
	39.6	44.6	49.6	54.6	59.6	65.7	71.7	77.7	85	92	100	110	117	127	137	147	160	172	185	197	210	240
1.43	53.2	58.2	63.2	68.2	73.2	79.3	85.3	91.3	98	106	113	123	131	141	151	161	173	186	198	211	223	253
	...	37.3	42.3	47.3	52.4	58.4	64.4	70.4	77	85	92	102	110	120	130	140	152	165	178	190	203	233
1.45	56.0	61.0	66.0	71.0	76.0	82.0	88.0	94.0	101	108	116	126	133	143	153	163	176	188	201	213	226	256
	54.6	59.7	64.7	69.7	74.7	80.7	86.7	92.7	100	107	115	125	132	142	152	162	175	187	200	212	225	255
1.46	47.0	52.0	57.0	62.0	67.1	73.1	79.1	85.1	92	100	107	117	125	135	145	155	167	180	192	205	217	247
1.50	50.5	55.5	60.5	65.5	70.5	76.6	82.6	88.6	96	103	111	121	128	138	148	158	171	183	196	208	221	251
1.51	40.4	45.5	50.5	55.5	60.5	66.6	72.6	78.6	86	93	101	111	118	128	138	148	161	173	186	198	211	241
1.52	53.8	58.8	63.8	68.9	73.9	79.9	85.9	91.9	99	106	114	124	131	141	151	161	174	186	199	211	224	254
	52.2	57.3	62.3	67.3	72.3	78.3	84.3	90.3	97	105	112	122	130	140	150	160	172	185	197	210	222	252
1.53	55.2	60.2	65.2	70.2	75.2	81.2	87.2	93.2	100	108	115	125	133	143	153	163	175	188	200	213	225	255
1.56	47.8	52.8	57.8	62.8	67.8	73.8	79.8	85.8	93	100	108	118	125	135	145	155	168	180	193	205	218	248
1.59	41.1	46.2	51.2	56.2	61.3	67.3	73.3	79.3	86	94	101	111	119	129	139	149	161	174	186	199	211	241
	33.9	39.0	44.0	49.1	54.1	60.2	66.2	72.2	79	87	94	104	111	122	132	142	154	167	179	192	204	234
1.61	54.4	59.4	64.4	69.4	74.4	80.4	86.4	92.4	99	107	114	124	131	142	151	162	174	187	199	212	224	254
	51.3	56.3	61.3	66.3	71.3	77.3	83.3	89.3	96	104	111	121	129	139	149	159	171	184	196	209	221	251
1.62	52.8	57.9	62.9	67.9	72.9	78.9	84.9	90.9	98	105	113	123	130	140	150	160	173	185	198	210	223	253
	...	...	36.4	43.8	48.5	54.6	60.6	66.7	74	81	89	99	106	116	126	136	149	161	174	186	199	229
1.66	48.5	53.5	58.4	63.6	68.6	74.6	80.6	86.6	94	101	109	1119	126	136	146	156	169	181	194	206	219	249
	.92	.93	.94	.95	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11
1.67	41.9	46.9	52.0	57.0	62.0	68.0	74.1	80.1	87	95	102	112	120	130	140	150	162	175	187	200	212	242
1.68	34.7	39.8	44.9	50.0	55.0	61.0	67.1	73.1	80	88	95	105	113	123	133	143	155	168	180	193	205	235
1.71	...	58.4	63.4	68.4	73.4	79.4	85.4	91.4	98	106	113	123	131	141	151	161	173	186	198	211	223	253
	51.8	56.9	61.9	66.9	71.9	77.9	83.9	89.9	97	104	112	122	129	139	149	159	172	184	197	209	222	252
1.77	42.6	47.7	52.7	57.7	62.8	68.8	74.8	80.8	88	95	103	113	120	130	140	150	163	175	188	200	213	243
1.78	49.2	54.3	59.3	64.3	69.3	75.3	81.3	87.4	94	102	109	119	127	137	147	157	169	182	194	207	219	249
	35.6	40.7	45.8	50.8	55.9	61.9	68.0	74.0	81	89	96	106	114	124	134	144	156	169	181	194	206	236
1.79	...	34.9	40.0	45.1	50.2	56.3	62.4	68.4	76	83	91	101	108	118	128	138	151	163	176	186	201	231
1.80	52.4	57.4	62.4	67.4	72.4	78.4	84.4	90.5	97	105	112	122	130	140	150	160	172	185	197	210	225	252
	...	...	...	39.3	44.5	50.6	56.7	62.8	70	77	85	95	103	113	123	133	145	158	170	183	195	225
1.88	36.3	41.4	46.5	51.5	56.6	62.7	68.7	74.7	82	89	97	107	114	124	134	144	157	169	182	194	207	237
1.89	49.8	54.8	59.9	64.9	69.9	75.9	81.9	88.0	95	102	110	120	127	137	147	157	170	183	195	208	220	250
	43.3	48.4	53.4	58.5	63.5	69.5	75.5	81.6	89	96	104	114	121	131	141	151	164	176	189	201	214	244
1.90	...	35.7	40.9	46.0	51.1	57.2	63.2	69.3	76	84	91	101	109	119	129	139	152	164	177	189	202	232
1.98	36.9	42.1	47.2	52.2	57.3	63.4	69.4	75.5	82	90	98	108	115	125	135	145	158	170	183	195	208	238
2.00	50.3	55.4	60.4	65.4	70.4	76.5	82.5	88.5	95	103	111	120	128	138	148	158	171	183	196	208	221	251
	...	...	...	41.0	46.1	52.3	58.4	64.5	72	79	87	97	104	114	124	134	147	160	172	185	197	227
2.01	44.0	49.1	54.1	59.2	64.2	70.3	76.3	82.3	89	97	104	114	122	132	142	152	164	177	189	202	214	244
	...	36.5	41.7	46.8	51.9	58.0	64.1	70.2	77	85	92	102	110	120	130	140	152	165	178	190	203	233
2.10	37.6	42.8	47.9	53.0	58.0	64.1	70.2	76.2	83	91	98	108	116	126	136	146	158	171	183	196	209	237
2.11	...	...	36.5	41.8	47.0	53.1	59.3	65.4	72	80	88	98	105	115	125	135	148	160	173	185	198	228
2.12	...	37.2	42.4	47.5	52.6	58.7	64.8	70.9	78	85	93	103	111	121	131	141	153	166	178	191	203	233
2.15	...	...	...	...	...	42.6	48.9	55.1	62	70	78	88	95	105	115	126	138	151	163	176	188	218
2.16	44.7	44.8	54.9	59.9	64.9	71.0	77.0	83.1	90	98	105	115	123	133	143	153	165	178	190	203	215	245
2.23	38.3	43.5	48.6	53.7	58.7	64.8	70.9	76.9	84	91	99	109	117	127	137	147	159	172	184	197	209	239
2.24	...	37.8	43.0	48.2	53.3	59.4	65.5	71.6	79	86	94	104	111	121	131	141	154	167	179	192	204	234
	...	...	37.3	42.6	47.8	54.0	60.1	66.2	73	81	89	99	106	116	126	136	149	161	174	186	199	229
2.29	45.3	50.4	55.4	60.5	65.5	71.6	77.6	83.6	91	98	106	116	123	133	143	153	166	178	191	203	216	246
2.36	...	...	38.0	43.2	48.4	54.6	60.8	66.9	74	82	89	99	107	117	127	137	150	162	175	187	120	230
2.37	33.2	38.5	43.7	48.9	54.0	60.1	66.2	72.3	79	87	95	105	112	122	132	142	155	167	180	192	205	235
	.89	.90	.91	.92	.93	.94	.96	.96	.98	.99	1.00	1.01	1.02	1.03	1.04	1.04	1.05	1.06	1.07	1.08	1.09	1.11

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

8V D-V Wedge & POLYBAND Belts

STOCK DRIVE SELECTIONS

Speed Ratio	Stock Sheaves (4, 5, 6, 8, 10, 12 Grooves) Outside Diameter		1750 RPM Driver		1160 RPM Driver		870 RPM Driver		Belt Number and Approx. Center Distance							
	Driver	Driven	Driven RPM	HP Per Belt 8V	Driven RPM	HP Per Belt 8V	Driven RPM	HP Per Belt 8V	8VX 1250	8VX 1320	8VX 1400	8VX 1500	8VX 1600	8VX 1700	8VX 1800	8VX 1900
2.38	**22.4**	53.0	...	...	...	...	366	88.8	...	...	...	...	...	...	...	...
2.39	**15.0**	35. 5	...	...	486	65.1	365	53.	...	...	...	33.8	39.0	44.1	49.3	54.4
2.42	**12.5**	30.0	722	60.5	479	48.9	359	39.8	27.7	31.4	35.5	40.7	45.8	50.9	55.9	61.0
2.49	**18.0**	44.5	...	...	466	82.4	350	68.6	...	...	...	...	...	...	38.6	43.9
2.51	**21.2**	53.0	...	...	461	97.9	346	83.6	...	...	...	...	...	...	...	...
2.52	**16.0**	40.0	...	...	461	71.2	345	58.6	...	...	...	...	33.9	39.2	44.4	49.6
2.55	**24.8**	63.0	...	...	...	...	341	98.6	...	...	...	...	...	...	...	...
2.56	**14.0**	35.5	684	71.3	453	58.9	340	48.0	...	...	29.1	34.4	39.7	44.8	50.0	55.1
2.64	**17.0**	44.5	...	...	440	77.0	330	63.7	...	...	...	...	...	...	39.3	44.6
2.67	**20.0**	53.0	...	...	435	92.5	326	78.2	...	...	...	...	...	...	...	...
2.69	**15.0**	40.0	...	...	431	65.2	324	53.4	...	...	...	...	34.5	39.8	45.1	50.2
2.72	**13.2**	35.5	644	65.	427	53.7	320	43.7	...	...	29.7	35.0	40.2	45.4	50.5	55.6
2.80	**16.0**	44.5	...	...	414	71.	310	58.6	...	...	...	...	...	34.5	39.9	45.2
2.81	**19.0**	53.0	...	...	413	87.7	310	73.5	...	...	...	...	...	...	...	...
2.83	**22.4**	63.0	...	...	...	...	308	88.9	...	...	...	...	...	...	...	...
2.87	**12.5**	35.5	610	60.	404	49.	303	39.8	...	...	30.1	35.4	40.7	45.9	51.0	56.1
2.88	**14.0**	40.0	607	71.4	402	58.	302	48.1	...	...	...	...	35.2	40.5	45.7	50.9
	24.8	71.0	...	...	...	...	302	98.6	...	...	...	...	...	...	...	...
2.97	**18.0**	53.0	...	...	391	82.	293	68.7	...	...	...	...	...	...	...	...
2.99	**15.0**	44.5	...	...	388	65.2	291	53.4	...	...	...	...	...	35.2	40.6	45.9
ARC-LENGTH CORRECTION FACTOR —>									**.80**	**.81**	**.82**	**.83**	**.86**	**.87**	**.88**	**.90**
2.99	**21.2**	63.0	...	...	388	98.0	291	83.7	...	...	...	...	...	...	...	...
3.06	**13.2**	40.0	572	65.9	379	53.7	284	43.7	...	...	...	30.2	35.7	41.0	46.3	51.5
3.14	**17.0**	53.0	...	...	369	77.0	277	63.7	...	...	...	...	...	...	...	...
3.17	**20.0**	63.0	...	...	366	92.6	274	78.2	...	...	...	...	...	...	...	...
3.19	**22.4**	71.0	...	...	...	...	273	88.9	...	...	...	...	...	...	...	...
3.21	**14.0**	44.5	545	71.4	361	58.9	271	48.1	...	...	...	...	...	35.8	41.2	46.6
3.24	**12.5**	40.0	541	60.7	358	49.0	269	39.9	...	...	...	30.7	36.2	41.5	46.7	51.9
3.34	**16.0**	53.0	...	...	347	71.3	260	58.7	...	...	...	...	...	...	...	...
	19.0	63.0	...	...	347	87.7	260	73.6	...	...	...	...	...	...	...	...
3.37	**21.2**	71.0	...	...	344	98.0	258	83.7	...	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>									**...**	**...**	**...**	**.78**	**.82**	**.85**	**.87**	**.88**
3.41	**13.2**	44.5	514	65.9	340	53.8	255	43.7	...	...	...	...	...	36.3	41.7	47.1
3.53	**18.0**	63.0	...	...	329	82.6	247	68.7	...	...	...	...	...	...	...	...
3.57	**15.0**	53.0	...	...	325	65.3	244	53.5	...	...	...	...	...	...	...	...
3.58	**20.0**	71.0	...	...	324	92.6	243	78.3	...	...	...	...	...	...	...	...
3.60	**12.5**	44.5	486	60.7	322	49.1	242	39.9	...	...	...	...	...	36.7	42.2	47.5
ARC-LENGTH CORRECTION FACTOR —>									**...**	**...**	**...**	**...**	**...**	**.81**	**.84**	**.88**
3.74	**17.0**	63.0	...	...	310	77.1	233	63.8	...	...	...	...	...	...	...	...
3.77	**19.0**	71.0	...	...	308	87.8	231	73.6	...	...	...	...	...	...	...	...
3.83	**14.0**	53.0	457	71.5	303	59.0	227	48.1	...	...	...	...	...	...	...	37.3
3.97	**16.0**	63.0	...	...	292	71.3	219	58.7	...	...	...	...	...	...	...	...
3.98	**18.0**	71.0	...	...	292	82.6	219	68.8	...	...	...	...	...	...	...	...
4.06	**13.2**	53.0	431	66.0	286	53.8	214	43.8	...	...	...	...	...	...	...	...
4.21	**17.0**	71.0	...	...	275	77.1	206	63.8	...	...	...	...	...	...	...	...
4.24	**15.0**	63.0	...	...	273	65.1	205	53.5	...	...	...	...	...	...	...	...
4.29	**12.5**	53.0	408	60.8	270	49.1	203	39.9	...	...	...	...	...	...	...	38.2
4.48	**16.0**	71.0	...	...	259	71.3	194	58.7	...	...	...	...	...	...	...	...
4.55	**14.0**	63.0	385	71.5	255	59.0	191	48.1	...	...	...	...	...	...	...	...
4.78	**15.0**	71.0	...	...	242	65.3	182	53.5	...	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>									**...**	**...**	**...**	**...**	**...**	**...**	**...**	**.77**
4.83	**13.2**	63.0	362	66.0	240	53.8	180	43.8	...	...	...	...	...	...	...	...
5.11	**12.5**	63.0	343	60.8	227	49.1	170	39.9	...	...	...	...	...	...	...	...
5.13	**14.0**	71.0	341	71.5	226	59.0	170	48.1	...	...	...	...	...	...	...	...
5.45	**13.2**	71.0	321	66.0	213	53.8	160	43.8	...	...	...	...	...	...	...	...
5.76	**12.5**	71.0	304	60.8	202	49.1	151	39.9	...	...	...	...	...	...	...	...
ARC-LENGTH CORRECTION FACTOR —>									**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**

NOTE: Arc & Length Factors are approximate values
Refer to Selection Procedure for more precise values

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

8V D-V Wedge & POLYBAND Belts

STOCK DRIVE SELECTIONS

Speed Ratio	Belt Number and Approx. Center Distance																	
	8VX 2000	8V 2120	8V 2240	8V 2360	8V 2500	8V 2650	8V 2800	8V 3000	8V 3150	8V 3350	8V 3550	8V 3750	8V 4000	8V 4250	8V 4500	8V 4750	8V 5000	8V 5600
2.38	...	44.1	50.5	56.7	64	72	79	89	97	107	117	127	140	152	165	178	190	220
2.39	59.5	65.5	71.6	77.7	85	92	100	110	117	127	137	147	160	172	185	197	210	240
2.42	66.0	72.1	78.1	84.2	91	99	106	116	124	134	144	154	166	179	191	204	216	246
2.49	49.1	55.3	61.5	67.6	75	82	90	100	108	118	128	138	150	163	175	188	200	230
2.51	...	44.9	51.3	57.5	65	72	80	90	98	108	118	128	141	153	166	178	191	221
2.52	54.7	60.8	66.9	73.0	80	88	95	105	113	123	133	143	156	168	181	193	206	236
2.55	...	...	...	...	53	60	68	79	86	97	107	117	130	142	156	167	180	210
2.56	60.2	66.3	72.3	78.4	85	93	100	111	118	128	138	148	161	173	186	198	211	241
2.64	49.8	56.0	62.2	68.3	75	83	91	101	108	118	128	138	151	164	176	189	201	231
2.67	...	45.7	52.1	58.3	66	73	81	91	99	109	119	129	142	154	167	179	192	222
2.69	55.4	61.5	67.6	73.7	81	88	96	106	114	124	134	144	156	168	181	194	206	236
2.72	60.7	66.8	72.9	79.0	86	94	101	111	119	129	139	149	161	174	186	199	211	241
2.80	50.5	56.7	62.9	69.0	76	84	91	101	109	119	129	139	152	164	177	189	202	232
2.81	39.8	46.3	52.7	59.0	66	74	82	92	99	110	120	130	142	155	168	180	193	223
2.83	...	...	...	46.5	54	62	70	80	88	98	108	119	131	144	157	169	182	212
2.87	61.2	67.3	73.4	79.5	86	94	102	112	119	129	139	149	162	174	187	199	212	242
2.88	56.1	62.2	68.4	74.5	82	89	97	107	114	124	134	144	157	170	182	195	207	237
	...	...	...	...	...	52	60	71	79	89	100	110	123	135	148	161	173	203
2.97	40.5	47.0	53.4	59.7	67	75	82	93	100	110	120	131	143	156	168	181	193	224
2.99	51.1	57.4	63.6	59.7	77	84	92	102	110	120	130	140	153	165	178	190	203	233
	.92	**.93**	**.94**	**.95**	**.96**	**.97**	**.99**	**1.00**	**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.06**	**1.07**	**1.08**	**1.09**	**1.10**
2.99	...	...	...	47.2	55	63	71	81	89	99	109	119	132	145	157	170	183	213
3.06	56.6	62.8	68.9	75.0	82	90	97	107	115	125	135	145	158	170	183	195	208	238
3.14	41.4	47.6	54.0	60.3	68	75.	83	93	101	111	121	131	144	156	169	182	194	224
3.17	...	...	...	48.0	56	64	72	82	90	100	110	120	133	146	158	171	184	214
3.19	...	...	...	...	...	54	62	73	81	91	101	111	124	137	150	162	175	205
3.21	51.8	58.1	64.2	70.4	78	85	93	103	111	121	131	141	153	166	178	191	203	234
3.24	57.1	63.3	69.4	75.5	83	90	98	108	115	125	136	146	158	171	183	196	208	233
3.34	41.7	48.3	54.7	61.0	68	76	84	94	102	112	122	132	145	157	170	182	195	225
	...	...	...	48.6	56	64	72	83	90	101	111	121	134	146	159	172	184	214
3.37	...	...	...	...	...	54	63	73	81	92	102	112	125	138	150	163	176	206
	.90	**.91**	**.93**	**.94**	**.95**	**.97**	**.96**	**.99**	**1.00**	**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.06**	**1.07**	**1.08**	**1.10**
3.41	52.3	58.6	64.8	71.0	78	86	93	104	111	121	131	141	154	166	179	191	204	234
3.53	...	...	...	49.2	57	65	73	83	91	101	112	122	134	147	160	172	185	215
3.57	42.3	48.9	55.3	61.7	69	77	84	95	102	112	123	133	145	158	170	183	196	226
3.58	...	...	...	...	...	55	63	74	82	92	103	113	126	139	151	164	177	207
3.60	52.8	59.1	65.3	71.4	79	86	94	104	112	122	132	142	154	167	179	192	204	235
	.88	**.90**	**.91**	**.93**	**.94**	**.96**	**.97**	**.98**	**.99**	**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.06**	**1.07**	**1.08**	**1.10**
3.74	...	...	...	49.9	58	66	74	84	92	102	112	122	135	148	160	173	186	216
3.77	...	...	...	...	...	56	64	75	83	93	104	114	127	139	152	165	177	208
3.83	43.0	49.5	56.0	62.3	70	77	85	95	103	113	123	133	146	159	171	184	196	226
3.97	...	...	43.6	50.5	58	66	74	85	92	103	113	123	135	149	161	174	186	217
3.98	...	...	...	...	...	56	65	75	83	94	104	114	127	140	153	165	178	208
4.06	43.4	50.1	56.5	62.9	70	78	86	96	104	114	124	134	147	159	172	184	197	227
4.21	...	...	...	...	48	57	65	76	84	94	105	115	128	141	153	166	179	209
4.24	...	...	44.2	51.1	59	67	75	85	93	103	114	124	137	149	162	175	187	217
4.29	43.9	50.5	57.0	63.3	71	78	86	96	104	114	124	134	147	160	172	185	197	228
4.48	...	...	...	...	49	58	66	77	85	95	106	116	129	141	154	167	180	210
4.55	...	...	44.8	51.7	59	68	76	86	94	104	114	125	137	150	163	175	188	218
4.78	...	...	...	...	49	58	67	77	85	96	106	117	129	142	155	168	180	211
	.81	**.85**	**.87**	**.89**	**.91**	**.93**	**.95**	**.96**	**.98**	**.99**	**1.00**	**1.01**	**1.03**	**1.04**	**1.05**	**1.06**	**1.07**	**1.09**
4.83	...	...	45.3	52.2	60	68	76	87	94	105	115	125	138	151	163	176	188	219
5.11	...	...	45.7	52.6	60	69	76	87	95	105	115	126	138	151	164	176	189	219
5.13	...	...	...	...	50	59	67	78	86	96	107	117	130	143	156	168	181	211
5.45	...	...	...	...	51	59	68	79	86	97	107	118	131	143	156	169	182	2120
5.76	...	...	...	...	51	60	68	79	87	97	108	118	131	144	157	169	182	212
	...	**...**	**.79**	**.80**	**.82**	**.84**	**.87**	**.91**	**.93**	**.95**	**.97**	**.98**	**1.00**	**1.02**	**1.03**	**1.04**	**1.05**	**1.08**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

3VX BASIC HORSEPOWER RATINGS Δ

Faster Shaft RPM	Rated HP per belt for Small Sheave O.D. of:										
	2.2 3VX	2.65 3VX	2.8 3VX	3.0 3VX	3.15 3VX	3.35 3VX	3.65 3VX	4.12 3VX	4.5 3VX	4.75 3VX	5.0 3VX
575	.55	.83	.92	1.04	1.13	1.25	1.43	1.72	1.94	2.09	2.24
690	.64	.97	1.08	1.22	1.33	1.48	1.69	2.02	2.29	2.47	2.64
725	.66	1.01	1.13	1.28	1.39	1.54	1.77	2.12	2.40	2.58	2.76
870	.77	1.18	1.32	1.50	1.63	1.81	2.08	2.49	2.82	3.04	3.26
950	.83	1.28	1.42	1.62	1.77	1.96	2.25	2.70	3.06	3.29	3.52
1160	.98	1.52	1.69	1.93	2.10	2.34	2.68	3.22	3.65	3.93	4.21
1425	1.16	1.81	2.02	2.31	2.52	2.80	3.22	3.86	4.38	4.72	5.06
1750	1.37	2.15	2.41	2.75	3.01	3.34	3.85	4.63	5.25	5.65	6.06
2850	2.00	3.21	3.61	4.14	4.53	5.05	5.82	6.99	7.92	8.53	9.12
3450	2.30	3.74	4.21	4.82	5.28	5.89	6.78	8.15	9.21	9.90	10.6
100	.12	.18	.19	.22	.23	.26	.29	.35	.39	.42	.45
200	.22	.33	.36	.41	.44	.48	.55	.66	.74	.80	.85
300	.31	.47	.52	.58	.63	.70	.80	.95	1.07	1.16	1.24
400	.40	.60	.67	.75	.82	.91	1.03	1.24	1.40	1.50	1.61
500	.49	.73	.81	.92	1.00	1.11	1.27	1.51	1.84	1.97	2.13
600	.57	.86	.95	1.08	1.18	1.30	1.49	1.78	2.02	2.17	2.33
700	.65	.98	1.09	1.24	1.35	1.49	1.71	2.05	2.32	2.50	2.68
800	.72	1.10	1.23	1.39	1.52	1.68	1.93	2.31	2.62	2.82	3.02
900	.80	1.22	1.36	1.54	1.68	1.87	2.14	2.57	2.91	3.13	3.36
1000	.87	1.34	1.49	1.69	1.85	2.05	2.35	2.82	3.20	3.45	3.69
1100	.94	1.45	1.62	1.84	2.01	2.23	2.56	3.07	3.48	3.75	4.02
1200	1.01	1.56	1.74	1.99	2.17	2.41	2.76	3.32	3.76	4.05	4.34
1300	1.08	1.67	1.87	2.13	2.32	2.58	2.97	3.56	4.04	4.35	4.66
1400	1.14	1.78	1.99	2.27	2.48	2.75	3.17	3.80	4.32	4.65	4.98
1500	1.21	1.89	2.11	2.41	2.63	2.93	3.36	4.04	4.59	4.94	5.29
1600	1.27	1.99	2.23	2.55	2.78	3.09	3.56	4.28	4.85	5.23	5.60
1700	1.34	2.10	2.35	2.68	2.93	3.26	3.75	4.51	5.12	5.51	5.90
1800	1.40	2.20	2.47	2.82	3.08	3.43	3.94	4.74	5.38	5.79	6.21
1900	1.46	2.30	2.58	2.95	3.22	3 59	4 13	4.97	5.64	6.07	6.50
2000	1.52	2.40	2.70	3.08	3.37	3.75	4.32	5.19	5.89	6.34	6.79
2100	1.58	2.50	2.81	3.21	3.51	3.91	4.50	5.41	6.14	6.61	7.08
2200	1.64	2.60	2.92	3.34	3.65	4.07	4.68	5.63	6.39	6.88	7.37
2300	1.70	2.70	3.03	3.47	3.79	4.22	4.86	5.85	6.63	7.14	7.65
2400	1.75	2.80	3.14	3.59	3.93	4.38	5.04	6.06	6.88	7.40	7.92
2500	1.81	2.89	3.25	3.72	4.07	4.53	5.22	6.28	7.12	7.66	8.20
2600	1.87	2.98	3.35	3.84	4.20	4.68	5.39	6.48	7.35	7.91	8.47
2700	1.92	3.08	3.46	3.96	4.33	4.83	5.56	6.69	7.58	8.16	8.73
2800	1.97	3.17	3.56	4.08	4.47	4.98	5.73	6.89	7.81	8.40	8.99
2900	2.03	3.26	3.66	4.20	4.60	5.12	5.90	7.09	8.04	8.65	9.25
3000	2.08	3.35	3.76	4.31	4.72	5.26	6.06	7.29	8.26	8.88	9.50
3200	2.18	3.52	3.96	4.54	4.98	5.55	6.39	7.68	8.69	9.34	9.99
3400	2.28	3.69	4.16	4.77	5.22	5.82	6.71	8.05	9.11	9.79	10.5
3600	2.37	3.86	4.35	4.99	5.46	6.09	7.01	8.42	9.52	10.2	10.9
3800	2.47	4.02	4.53	5.20	5.70	6.35	7.31	8.77	9.91	10.6	11.3
4000	2.56	4.18	4.71	5.41	5.92	6.60	7.60	9.11	10.3	11.0	11.7
4200	2.64	4.33	4.89	5.61	6.15	6.85	7.88	9.44	10.6	11.4	12.1
4400	2.73	4.48	5.06	5.81	6.36	7.09	8.15	9.75	11.0	11.7	12.5
4600	2.81	4.63	5.22	6.00	6.57	7.32	8.41	10.0	11.3	12.1	12.8
4800	2.89	4.77	5.38	6.18	6.77	7.54	8.66	10.3	11.6	12.4	13.2
5000	2.96	4.90	5.53	6.36	6.96	7.75	8.90	10.6	11.9	12.7	13.5
5200	3.03	5.04	5.68	6.53	7.15	7.96	9.13	10.9	12.2	13.0	13.7
5400	3.10	5.16	5.83	6.69	7.33	8.15	9.35	11.1	12.4	13.2	14.0
5600	3.17	5.28	5.96	6.85	7.50	8.34	9.56	11.3	12.7	13.5	14.2
5800	3.23	5.40	6.10	7.00	7.66	8.52	9.76	11.5	12.9	13.7	14.4
6000	3.29	5.51	6.22	7.15	7.82	8.69	9.94	11.7	13.1	13.8	14.6
6200	3.35	5.62	6.34	7.28	7.97	8.85	10.1	11.9	13.2	14.0	14.7
6400	3.40	5.72	6.46	7.41	8.11	9.00	10.3	12.1	13.4	14.1	14.8
6600	3.45	5.82	6.57	7.54	8.24	9.14	10.4	12.2	13.5	14.2	14.9
6800	3.50	5.91	6.67	7.65	8.36	9.27	10.5	12.4	13.6	14.3	14.9
7000	3.54	5.99	6.77	7.76	8.48	9.40	10.7	12.5	13.7	14.4	15.5

Shaded areas indicate rim speeds exceeding 6500 FPM which may require special sheaves.
TOTAL RATING = rated HP + "additional HP" listed on opposite page.
Δ Subject to Arc and Length Corrections Factors on page PT7-47.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

3VX BASIC HORSEPOWER RATINGS Δ

Faster Shaft RPM	Rated HP per Belt for Small Sheave O.D. of:							Additional HP per Belt for Speed Ratio of: ‡								
	5.3	5.6	6.0	6.5	6.9	8.0	10.6	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and up
	3VX	3VX	3VX	3VX	3VX	3VX	3VX									
575	2.41	2.59	2.82	3.11	3.34	3.97	5.42	.01	.02	.04	.06	.07	.09	.10	.11	.11
690	2.85	3.06	3.33	3.67	3.95	4.69	6.39	.01	.03	.05	.07	.09	.10	.11	.12	.13
725	2.98	3.20	3.49	3.84	4.13	4.90	6.69	.01	.03	.05	.07	.09	.11	.12	.13	.14
870	3.51	3.77	4.11	4.53	4.87	5.78	7.87	.01	.03	.06	.09	.11	.13	.14	.16	.17
950	3.80	4.08	4.45	4.91	5.27	6.25	8.51	.01	.04	.07	.10	.12	.14	.16	.17	.18
1160	4.55	4.88	5.32	5.87	6.30	7.47	10.1	.02	.05	.09	.12	.14	.17	.19	.21	.22
1425	5.46	5.86	6.38	7.03	7.55	8.94	12.0	.02	.06	.11	.15	.18	.21	.24	.26	.28
1750	6.53	7.01	7.63	8.40	9.01	10.6	14.2	.03	.07	.13	.18	.22	.25	.29	.31	.33
2850	9.82	10.5	11.4	12.5	13.3	15.5	19.6	.04	.12	.22	.30	.36	.42	.48	.52	.55
3450	11.4	12.1	13.1	14.3	15.2	17.3	20.8	.05	.15	.27	.36	.44	.51	.58	.63	.67
100	.48	.52	.56	.62	.67	.79	1.08	.00	.00	.01	.01	.01	.01	.02	.02	.02
200	.92	.98	1.07	1.18	1.27	1.50	2.05	.00	.01	.01	.01	.02	.03	.03	.03	.03
300	1.33	1.43	1.56	1.71	1.84	2.18	2.99	.00	.01	.02	.03	.03	.04	.05	.05	.05
400	1.73	1.86	2.03	2.23	2.40	2.85	3.89	.01	.02	.03	.04	.05	.06	.06	.07	.08
500	2.13	2.28	2.48	2.74	2.94	3.49	4.77	.01	.02	.03	.05	.06	.07	.08	.09	.10
600	2.51	2.69	2.93	3.23	3.47	4.13	5.63	.01	.02	.04	.06	.08	.09	.10	.11	.11
700	2.89	3.10	3.38	3.72	4.00	4.75	6.48	.01	.03	.05	.07	.09	.10	.12	.12	.13
800	3.26	3.50	3.81	4.20	4.51	5.36	7.30	.01	.03	.06	.08	.10	.12	.13	.14	.15
900	3.62	3.89	4.24	4.67	5.02	5.96	8.11	.01	.04	.07	.09	.11	.13	.15	.16	.17
1000	3.98	4.27	4.66	5.14	5.52	6.55	8.90	.01	.04	.08	.10	.12	.15	.17	.18	.19
1100	4.34	4.65	5.07	5.59	6.01	7.13	9.68	.02	.04	.08	.11	.14	.16	.19	.20	.21
1200	4.69	5.03	5.48	6.04	6.49	7.69	10.4	.02	.05	.09	.12	.15	.18	.20	.22	.23
1300	5.03	5.40	5.89	6.49	6.97	8.25	11.2	.02	.05	.10	.13	.16	.19	.22	.23	.25
1400	5.37	5.77	6.29	6.93	7.43	8.80	11.9	.02	.06	.11	.14	.18	.21	.23	.26	.27
1500	5.71	6.13	6.68	7.36	7.89	9.34	12.6	.02	.06	.11	.16	.19	.22	.25	.28	.29
1600	6.04	6.48	7.06	7.78	8.35	9.87	13.3	.02	.07	.12	.17	.20	.24	.27	.29	.31
1700	6.37	6.83	7.45	8.20	8.79	10.4	14.0	.02	.07	.13	.18	.21	.25	.29	.31	.33
1800	6.70	7.18	7.82	8.61	9.23	10.9	14.5	.03	.08	.13	.19	.23	.27	.30	.33	.34
1900	7.01	7.52	8.19	9.01	9.66	11.4	15.1	.03	.08	.14	.20	.25	.28	.32	.35	.37
2000	7.33	7.86	8.55	9.41	10.1	11.9	15.7	.03	.09	.15	.21	.25	.30	.33	.37	.39
2100	7.64	8.19	8.91	9.80	10.5	12.3	16.3	.03	.09	.16	.22	.27	.31	.35	.38	.40
2200	7.94	8.51	9.26	10.2	11.0	12.8	16.8	.03	.10	.17	.23	.28	.33	.37	.40	.43
2300	8.25	8.84	9.61	10.5	11.3	13.2	17.3	.03	.10	.18	.24	.29	.34	.39	.42	.45
2400	8.54	9.15	9.95	10.9	11.7	13.7	17.8	.03	.11	.19	.25	.30	.36	.40	.44	.47
2500	8.83	9.46	10.3	11.3	12.1	14.1	18.2	.04	.11	.19	.26	.32	.37	.42	.46	.48
2600	9.12	9.77	10.6	11.6	12.4	14.5	18.6	.04	.11	.20	.27	.33	.39	.44	.48	.50
2700	9.40	10.1	10.9	12.0	12.8	14.9	19.0	.04	.12	.21	.29	.35	.40	.46	.49	.52
2800	9.68	10.4	11.2	12.3	13.1	15.3	19.4	.04	.13	.21	.29	.36	.42	.47	.51	.54
2900	9.95	10.6	11.6	12.6	13.5	15.6	19.7	.04	.13	.22	.30	.37	.43	.49	.53	.56
3000	10.2	10.9	11.8	13.0	13.8	16.0	20.0	.04	.13	.23	.31	.38	.45	.50	.55	.58
3200	10.7	11.5	12.4	13.6	14.4	16.6	20.5	.05	.14	.24	.33	.40	.48	.54	.58	.62
3400	11.2	12.0	13.0	14.1	15.0	17.2	20.8	.05	.15	.26	.36	.43	.50	.57	.62	.66
3600	11.7	12.5	13.5	14.7	15.6	17.7	21.0	.06	.16	.28	.38	.46	.54	.61	.66	.69
3800	12.2	12.9	14.0	15.2	16.1	18.2	...	.06	.17	.29	.40	.48	.57	.64	.69	.74
4000	12.6	13.4	14.4	15.6	16.5	18.5	...	.06	.18	.31	.42	.51	.59	.67	.73	.77
4200	13.0	13.8	14.8	16.0	16.9	18.8	...	.07	.19	.32	.44	.54	.63	.71	.77	.82
4400	13.4	14.2	15.2	16.4	17.2	19.0	...	.07	.21	.34	.46	.56	.66	.74	.81	.85
4600	13.7	14.5	15.6	16.7	17.5	19.1	...	.07	.21	.36	.47	.58	.68	.77	.84	.89
4800	14.1	14.8	15.8	17.0	17.7	19.2	...	.08	.21	.37	.50	.61	.72	.81	.88	.93
5000	14.3	15.1	16.1	17.2	17.9	...	...	.08	.22	.39	.53	.64	.75	.83	.92	.97
5200	14.6	15.4	16.3	17.4	18.0	...	...	.08	.23	.40	.55	.66	.77	.87	.95	1.01
5400	14.8	15.6	16.5	17.4	18.0	...	...	.09	.24	.41	.57	.69	.81	.91	.99	1.05
5600	15.1	15.8	16.7	17.5	...	...	...	.09	.25	.44	.61	.73	.85	.94	1.05	1.11
5800	15.2	15.9	16.7	17.5	...	...	...	.09	.26	.45	.61	.74	.86	.97	1.06	1.13
6000	15.4	16.0	16.8	...	...	...	...	.10	.27	.47	.64	.78	.91	1.03	1.12	1.19
6200	15.5	16.1	16.8	...	...	...	...	.10	.28	.47	.66	.81	.94	1.06	1.16	1.21
6400	15.5	16.1	16.7	...	...	...	...	.10	.28	.49	.67	.81	.94	1.08	1.17	1.24
6600	15.6	16.1	...	...	...	...	...	.11	.29	.51	.69	.84	.99	1.11	1.18	1.29
6800	15.6	16.0	...	...	...	...	...	.11	.30	.52	.72	.87	1.01	1.14	1.25	1.29
7000	15.5	...	...	...	...	...	...	.11	.31	.52	.74	.89	1.04	1.18	1.29	1.36

Shaded areas indicate rim speeds exceeding 6500 FPM which may require higher strength sheaves.
TOTAL RATING = rated HP + "additional HP" from right hand column.
‡ Additional HP below 1.02 ratio equals zero.
Δ Subject to Arc and Length Corrections Factors on page PT7-47.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

5VX 5V BASIC HORSEPOWER RATINGS Δ

Faster Shaft RPM	Rated HP per Belt for Small Sheave O.D. of:																					
	4.4	4.65	4.9	5.5	6.3	6.7	7.1		7.5		8.0		8.5		9.0		9.25		9.75		10.3	
	5VX						5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V
435	2.57	2.90	3.22	3.99	5.01	5.52	6.03	4.99	6.53	5.48	7.16	6.10	7.78	6.72	8.40	7.33	8.71	7.64	9.32	8.25	10.0	8.91
485	2.82	3.18	3.54	4.40	5.53	6.09	6.65	5.48	7.20	6.03	7.90	6.71	8.58	7.39	9.27	8.07	9.61	8.41	10.3	9.08	11.0	9.81
585	3.27	3.69	4.11	5.11	6.43	7.09	7.87	6.44	8.53	7.09	9.35	7.91	10.2	8.71	11.0	9.51	11.4	9.91	12.2	10.7	13.1	11.6
690	3.82	4.32	4.81	6.00	7.57	8.34	9.12	7.42	9.88	8.17	10.8	9.12	11.8	10.0	12.7	11.0	13.2	11.4	14.1	12.4	152	13.4
725	3.98	4.50	5.02	6.27	7.90	8.72	9.53	7.74	10.3	8.53	11.3	9.51	12.3	10.5	13.3	11.4	13.8	11.9	14.8	12.9	15.8	13.9
870	4.64	5.26	5.88	7.35	9.28	10.24	11.2	9.02	12.1	9.95	13.3	11.1	14.5	12.2	15.7	13.4	16.2	13.9	17.4	15.1	18.6	16.3
950	5.00	5.67	6.34	7.93	10.03	11.07	12.1	9.70	13.1	10.7	14.4	11.9	15.6	13.2	16.9	14.4	17.6	15.0	18.8	16.2	20.1	17.5
1160	5.90	6.71	7.51	9.42	11.93	13.17	14.4	11.4	15.6	12.6	17.1	14.1	18.6	15.5	20.1	16.9	20.9	17.7	22.3	19.0	23.9	20.6
1425	6.98	7.95	8.92	11.21	14.23	15.71	17.2	13.4	18.6	14.8	20.4	16.5	22.2	182	24.0	19.9	24.9	20.7	26.6	22.3	28.5	24.1
1750	8.23	9.40	10.55	13.30	16.89	18.66	20.4	15.6	22.1	17.2	24.3	19.2	26.3	21.1	28.4	23.0	29.4	23.9	31.4	25.8	33.6	27.7
2850	11.86	13.62	15.35	19.42	24.64	27.15	29.6	20.5	32.0	22.5	34.8	24.9	37.6	27.0	40.2	29.0	41.5	29.9	43.9	31.6	46.5	33.2
3450	13.45	15.47	17.46	22.09	27.93	30.69	33.3	21.3	35.9	23.2	38.9	25.3	41.7	27.1	44.3	28.6	45.5	29.2	47.7	30.1	49.9	30.7
100	0.71	0.79	0.87	1.07	1.33	1.45	1.58	1.36	1.71	1.48	1.87	1.64	2.02	1.80	2.18	1.96	2.26	2.04	2.42	2.19	2.59	2.36
200	1.31	1.47	1.62	2.00	2.49	2.73	2.98	2.52	3.2	2.76	3.53	3.06	3.83	3.36	4.13	3.66	4.28	3.81	4.58	4.11	4.91	4.44
300	1.86	2.09	2.32	2.87	3.59	3.95	4.31	3.60	4.6	3.96	5.11	4.40	5.55	4.83	5.99	5.27	6.21	5.49	6.64	5.92	7.12	6.39
400	2.39	2.69	2.99	3.71	4.65	5.12	5.59	4.63	6.0	5.10	6.63	5.67	7.21	6.24	7.78	6.81	8.07	7.09	8.64	7.65	9.26	8.27
500	2.90	3.27	3.64	4.52	5.68	6.26	6.83	5.63	7.4	6.19	8.12	6.90	8.82	7.59	9.53	8.29	9.88	8.64	10.6	9.33	11.3	10.1
600	3.39	3.83	4.26	5.31	6.68	7.37	8.05	6.58	8.7	7.25	9.56	8.08	10.4	8.91	112	9.72	11.6	10.1	12.5	10.9	13.4	11.8
700	3.86	4.37	4.87	6.08	7.66	8.45	9.23	7.51	10.0	8.28	11.0	9.23	11.9	10.2	12.9	11.1	13.4	11.6	14.3	12.5	15.4	13.5
800	4.33	4.90	5.47	6.83	8.62	9.51	10.4	8.41	11.3	9.27	12.4	10.3	13.4	11.4	14.5	12.5	15.1	13.0	16.1	14.0	17.3	15.2
900	4.78	5.41	6.05	7.57	9.56	10.55	11.5	9.28	12.5	10.2	13.7	11.4	14.9	12.6	16.1	13.8	16.7	14.3	17.9	15.5	19.2	16.7
1000	5.22	5.92	6.62	8.29	10.49	11.57	12.7	10.1	13.7	11.2	15.1	12.5	16.4	13.7	17.7	15.0	18.4	15.6	19.6	16.9	21.1	18.3
1100	5.65	6.41	7.18	9.00	11.39	12.58	13.7	10.9	14.9	12.1	16.4	13.5	17.8	14.9	19.2	16.2	19.9	16.9	21.3	18.3	22.9	19.7
1200	3.07	6.90	7.72	9.69	12.28	13.56	14.8	11.7	16.1	12.9	17.6	14.5	1.92	15.9	20.7	17.4	21.5	18.1	23.0	19.6	24.6	21.1
1300	6.48	7.37	8.26	10.36	13.16	14.53	15.9	12.5	17.2	13.8	18.9	15.4	20.6	17.0	22.2	18.5	23.0	19.3	24.6	20.8	26.4	22.5
1400	6.88	7.84	8.79	11.05	14.01	15.48	16.9	1.32	18.4	14.6	20.1	16.3	21.9	18.0	23.6	19.6	24.5	20.4	262	22.0	28.1	23.8
1500	7.28	8.29	9.30	11.71	14.86	16.41	17.9	13.9	19.5	15.4	21.3	17.2	23.2	18.9	25.1	20.7	25.9	21.5	27.7	23.2	29.7	25.0
1600	7.66	8.74	9.81	12.35	15.68	17.32	18.9	14.6	20.5	1.62	22.5	18.0	24.5	19.8	26.4	21.6	27.4	22.5	29.3	24.3	31.3	26.1
1700	8.04	9.18	10.31	12.99	16.50	18.22	19.9	15.3	21.6	16.9	23.7	18.8	25.7	20.7	27.7	22.6	28.7	23.5	30.7	25.3	32.8	27.2
1800	8.42	9.61	10.80	13.61	17.29	19.10	20.8	15.9	22.6	17.6	24.8	19.6	26.9	21.5	29.1	23.5	30.1	24.4	32.1	26.2	34.3	28.2
1900	8.78	10.03	11.28	14.22	18.07	19.96	21.8	16.5	23.6	1.82	25.9	20.3	28.1	22.3	30.3	24.3	31.4	25.3	33.5	27.1	35.8	29.1
2000	9.14	10.45	11.74	14.82	18.33	20.80	22.7	17.1	24.6	18.8	27.0	21.0	29.3	23.1	31.5	25.1	32.6	26.0	34.8	27.9	37.2	29.9
2100	9.48	10.85	12.20	15.41	19.58	21.62	23.6	17.6	25.6	19.4	28.0	21.6	30.4	23.7	32.7	25.8	33.9	26.8	36.1	28.7	38.5	30.7
2200	9.83	11.25	12.66	15.99	20.31	22.43	24.5	18.1	26.5	20.0	29.0	22.2	31.5	24.4	33.9	26.4	35.0	27.4	37.3	29.3	39.7	31.3
2300	10.16	11.64	13.10	16.55	21.03	23.21	25.3	18.6	27.5	20.5	30.0	22.8	32.5	24.9	35.0	27.0	36.2	28.0	36.5	29.9	30.9	31.9
2400	10.49	12.01	13.53	17.10	21.72	23.97	26.2	19.0	28.3	20.9	31.0	23.3	33.5	25.5	36.0	27.5	37.2	28.5	39.6	30.4	42.1	32.4
2500	10.81	12.39	13.95	17.64	22.40	24.72	27.0	19.4	29.2	21.4	31.9	23.7	34.5	25.9	37.0	28.0	38.3	29.0	40.7	30.9	43.2	32.7
2600	11.12	12.75	14.36	18.16	23.06	25.44	27.7	19.8	30.0	21.7	32.8	24.1	35.5	26.3	38.0	28.4	39.3	29.4	41.7	31.2	44.2	33.0
2700	11.42	13.10	14.77	18.68	23.71	26.14	28.5	20.1	30.8	22.1	33.6	24.5	36.4	26.7	39.0	28.7	40.2	29.7	42.6	31.4	45.2	33.2
2800	11.72	13.45	15.16	19.18	24.33	26.82	29.2	20.4	31.6	22.4	34.5	24.8	37.2	26.9	39.8	28.9	41.1	29.9	43.5	31.6	46.1	33.3
2900	12.00	13.78	15.54	19.66	24.94	27.48	29.9	20.6	32.3	22.6	35.2	25.0	38.0	27.2	40.6	29.1	41.9	30.0	44.4	31.6	46.9	33.2
3000	12.28	14.11	15.91	20.14	25.53	28.12	30.6	20.8	33.1	22.8	36.0	25.2	38.8	27.3	41.4	29.2	42.7	30.1	45.1	31.6	47.6	33.0
3100	12.56	14.43	16.28	20.60	26.10	28.73	31.3	21.0	33.7	23.0	36.7	25.3	39.5	27.4	42.1	29.2	43.4	30.0	45.8	31.5	48.3	32.7
3200	12.82	14.74	16.63	21.04	26.65	29.32	31.9	21.1	34.4	23.1	37.3	25.4	40.2	2.74	42.8	29.1	41.1	29.9	46.5	31.2	48.8	32.3
3300	13.08	15.04	16.97	21.47	27.17	29.88	32.5	21.2	35.0	23.2	38.0	25.4	40.8	27.3	43.4	29.0	44.7	29.7	47.1	30.9	49.4	31.8
3400	13.33	15.33	17.30	21.89	27.68	30.43	33.1	21.3	35.6	23.2	38.6	25.3	41.4	27.2	44.1	28.7	45.2	29.4	47.5	30.4	49.8	31.1
3500	13.57	15.61	17.62	22.29	28.17	30.94	33.6	21.3	36.1	23.2	39.1	25.2	41.9	27.0	44.5	28.4	45.7	28.9	47.9	29.8	50.1	30.3
3600	13.80	15.88	17.93	22.68	28.63	31.43	34.1	21.2	36.6	23.1	39.6	25.1	42.4	26.7	45.0	27.9	46.1	28.4	48.3	29.1	50.4	29.4
3700	14.02	16.14	18.23	23.05	29.07	31.90	34.6	21.1	37.1	23.0	40.1	24.8	42.8	26.3	45.3	27.4	46.5	27.8	48.5	27.3	50.5	28.3
3800	14.23	16.40	18.51	23.41	29.49	32.33	35.0	21.0	37.6	22.7	40.5	24.5	43.2	25.8	45.7	26.3	46.8	27.1	48.7	27.4	...	...
3900	14.44	16.64	18.79	23.75	29.89	32.74	35.4	20.7	38.0	22.4	40.9	24.1	43.5	25.3	45.9	26.1	47.0	26.3	48.9	26.3	...	...
4000	14.64	16.87	19.05	24.07	30.26	33.13	35.8	20.5	38.3	22.1	41.2	23.6	43.8	24.7	46.1	25.3	47.1	25.3	...	...	...	...

Shaded areas indicate rim speeds exceeding 6500 FPM which may require higher strength sheaves.
TOTAL RATING = rated HP + "additional HP" from right hand column.
‡ Additional HP below 1.02 ratio equals zero.
Δ Subject to Arc and Length Corrections Factors on page PT7-47.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

5VX 5V BASIC HORSEPOWER RATINGS Δ

Faster Shaft RPM	Rated HP per Belt for Small Sheave O.D. of:														Additional HP per Belt for Speed Ratio of: ‡								
	10.9		11.8		12.5		13.2		14.0		15.0		16.0		1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and up
	5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V									
435	10.7	9.64	11.8	10.7	12.7	11.5	13.5	12.4	14.5	13.3	15.6	14.5	16.8	15.6	.03	.10	.17	.24	.29	.34	.38	.41	.44
485	11.8	10.6	13.1	11.8	14.0	12.7	14.9	13.6	16.0	14.6	17.3	15.9	18.6	17.2	.04	.11	.19	.26	.32	.38	.43	.46	.49
585	14.0	12.5	15.5	13.9	16.6	15.0	17.7	16.1	18.9	17.3	20.4	18.8	22.0	20.2	.05	.13	.24	.31	.39	.46	.51	.56	.59
690	16.3	14.4	17.9	16.0	19.2	17.3	20.5	18.5	21.9	19.9	23.7	21.6	25.4	23.3	.06	.16	.27	.38	.46	.54	.61	.66	.70
725	17.0	15.1	18.8	16.7	20.1	18.0	21.4	19.3	22.9	20.7	24.7	22.5	26.6	24.3	.06	.17	.29	.40	.48	.56	.63	.69	.72
870	20.0	17.6	22.0	19.5	23.6	21.0	25.1	22.5	26.9	24.1	29.0	26.2	31.1	28.1	.07	.20	.35	.46	.58	.67	.77	.83	.88
950	21.6	18.9	23.8	21.0	25.5	22.6	27.1	24.2	28.9	25.9	31.3	28.0	33.5	30.1	.08	.22	.38	.52	.63	.74	.83	.91	.96
1160	25.7	22.2	28.2	24.6	30.2	26.4	32.1	28.2	34.3	30.2	36.9	32.5	39.5	34.8	.10	.26	.47	.63	.77	.90	1.02	1.11	1.17
1425	30.5	25.9	33.5	28.6	35.7	30.6	37.9	32.6	40.4	34.7	43.4	37.2	46.2	39.5	.12	.33	.57	.78	.95	1.11	1.24	1.35	1.45
1750	35.9	29.7	39.3	32.6	41.8	34.7	44.2	36.7	46.9	38.7	50.1	41.1	53.0	43.1	.15	.40	.70	.96	1.17	1.37	1.50	1.68	1.77
2850	49.0	34.7	52.5	36.2	54.8	6.9	56.8	37.0	...	...	...	...	...	...	.24	.66	1.15	1.56	1.80	2.22	2.50	2.73	2.89
3450	52.0	30.9	...	...	...	...	...	...	...	...	...	...	...	...	.29	.80	1.39	1.90	2.20	2.69	3.03	3.30	3.50
100	2.77	2.55	3.05	2.83	3.27	3.04	3.48	3.26	3.73	3.50	4.03	3.80	4.33	4.11	.01	.02	.04	.05	.07	.08	.09	.09	.10
200	5.26	4.79	5.80	5.32	6.21	5.73	6.62	6.14	7.09	6.60	7.67	7.18	8.25	7.75	.01	.04	.08	.11	.13	.16	.17	.19	.20
300	7.64	6.91	8.42	7.68	9.02	8.27	9.62	8.86	10.3	9.54	11.1	10.37	12.0	11.2	.02	.07	.12	.16	.20	.23	.26	.29	.30
400	9.94	8.94	10.9	9.94	11.7	10.7	12.5	11.5	13.4	12.3	14.5	13.4	15.6	14.5	.03	.09	.16	.22	.26	.31	.35	.38	.40
500	12.2	10.9	13.4	12.1	14.4	13.0	15.3	14.0	16.4	15.0	17.7	16.3	19.1	17.7	.04	.11	.20	.27	.33	.39	.44	.46	.50
600	14.3	12.8	15.8	14.2	16.9	15.3	18.1	16.4	19.3	17.6	20.9	19.2	22.5	20.7	.05	.14	.24	.33	.40	.47	.53	.57	.61
700	16.5	14.6	18.2	16.2	19.5	17.5	20.7	18.7	22.2	20.1	24.0	21.8	25.8	23.6	.06	.16	.28	.38	.47	.55	.62	.67	.71
800	18.6	16.4	20.5	18.2	21.9	19.6	23.3	21.0	24.9	22.5	27.0	24.4	28.9	26.1	.07	.18	.32	.44	.53	.62	.70	.77	.81
900	20.6	18.1	22.7	20.1	24.3	21.6	25.9	23.1	27.7	24.8	29.9	26.9	32.0	28.9	.08	.21	.36	.49	.60	.70	.79	.86	.91
1000	22.6	19.7	24.9	21.9	26.6	23.5	28.3	25.2	30.3	27.0	32.7	29.2	35.0	31.3	.08	.23	.39	.55	.66	.78	.87	.95	1.01
1100	24.5	21.3	27.0	23.6	28.9	25.3	30.7	27.1	32.8	29.0	35.4	31.3	37.8	33.6	.09	.25	.44	.60	.73	.86	.96	1.05	1.11
1200	26.4	22.8	29.0	25.3	31.1	27.1	33.0	28.9	35.2	30.9	37.9	33.3	40.6	35.6	.10	.27	.48	.66	.80	.93	1.05	1.15	1.22
1300	28.3	24.2	31.1	26.8	33.2	28.7	35.3	30.6	37.6	32.7	40.4	35.2	43.2	37.5	.11	.30	.52	.71	.86	1.01	1.14	1.24	1.32
1400	30.1	25.6	33.0	28.3	35.2	30.3	37.4	32.2	39.8	34.3	42.8	36.8	45.6	39.2	.11	.32	.56	.77	.93	1.09	1.23	1.34	1.42
1500	31.8	26.9	34.9	29.6	37.2	31.7	39.5	33.6	42.0	35.8	45.0	38.3	47.9	40.6	.12	.34	.61	.82	1.00	1.18	1.32	1.44	1.52
1600	33.5	28.1	36.7	30.9	39.1	33.0	41.4	34.9	44.0	37.1	47.1	39.6	50.1	41.8	.13	.37	.64	.88	1.07	1.25	1.40	1.53	1.62
1700	35.1	29.2	38.4	32.1	40.9	34.1	43.3	36.1	46.0	38.2	49.1	40.6	52.1	42.7	.14	.39	.69	.93	1.13	1.32	1.49	1.61	1.72
1800	36.7	30.2	40.1	33.1	42.6	35.2	45.1	37.2	47.8	39.2	51.0	41.5	53.9	43.4	.15	.41	.72	.99	1.20	1.40	1.58	1.72	1.83
1900	38.2	31.2	41.7	34.0	44.3	36.1	46.8	38.0	49.5	40.0	52.7	42.1	55.6	43.9	.16	.44	.77	1.04	1.26	1.48	1.67	1.82	1.93
2000	39.6	32.0	43.2	34.8	45.8	36.9	48.3	38.7	51.1	40.6	54.2	42.5	57.1	44.0	.17	.46	.80	1.10	1.33	1.56	1.77	1.92	2.03
2100	41.0	32.7	44.6	35.5	47.3	37.5	49.8	39.2	52.5	40.9	55.6	42.7	58.3	43.8	.18	.48	.85	1.15	1.40	1.64	1.85	2.01	2.13
2200	42.3	33.4	46.0	36.1	48.6	38.0	51.1	39.6	53.8	41.1	56.8	42.5	59.4	43.4	.18	.51	.89	1.21	1.47	1.71	1.93	2.10	2.23
2300	43.6	33.9	47.2	36.5	49.9	38.3	52.4	39.7	55.0	41.1	57.8	42.1	60.3	42.6	.19	.52	.93	1.26	1.53	1.79	2.02	2.20	2.33
2400	44.7	34.3	48.4	36.8	51.0	38.4	53.5	39.7	56.0	40.8	58.7	41.5	61.0	41.4	.20	.55	.96	1.32	1.60	1.87	2.11	2.30	2.44
2500	45.8	34.6	49.5	36.9	52.1	38.4	54.4	39.5	56.8	40.3	59.4	40.5	...	...	.21	.57	1.01	1.38	1.67	1.95	2.20	2.39	2.54
2600	46.8	34.8	50.5	36.9	53.0	38.2	55.3	39.0	57.6	39.5	...	...	...	...	.22	.60	1.05	1.43	1.73	2.03	2.29	2.49	2.64
2700	47.8	34.9	51.3	36.8	53.8	37.8	56.0	38.4	58.1	38.5	...	...	...	...	.23	.62	1.09	1.48	1.80	2.11	2.37	2.59	2.74
2800	48.6	34.8	52.1	36.4	54.5	37.2	56.5	37.5	...	...	...	...	...	...	.24	.64	1.13	1.59	1.86	2.18	2.46	2.68	2.84
2900	49.4	34.6	52.8	35.9	55.0	36.4	56.9	36.4	...	...	...	...	...	...	.24	.67	1.17	1.60	1.93	2.26	2.55	2.78	2.94
3000	50.1	34.2	53.4	35.3	55.5	35.5	...	...	...	...	...	...	...	...	.25	.69	1.21	1.65	2.00	2.34	2.63	2.87	3.05
3100	50.7	33.7	53.8	34.5	...	...	...	...	...	...	...	...	...	...	.26	.72	1.25	1.70	2.07	2.42	2.72	2.97	3.15
3200	51.2	33.1	54.1	33.4	...	...	...	...	...	...	...	..	...	...	.27	.74	1.29	1.76	2.14	2.50	2.81	3.07	3.25
3300	51.6	32.3	...	...	...	...	...	...	...	...	...	...	...	...	.28	.77	1.33	1.81	2.20	2.58	2.90	3.16	3.35
3400	51.9	31.4	...	...	...	...	...	...	...	...	...	...	...	...	.29	.79	1.37	1.87	2.27	2.65	2.99	3.26	3.45
3500	52.1	30.3	...	...	...	...	...	...	...	...	...	...	...	...	.30	.81	1.41	1.92	2.33	2.73	3.08	3.35	3.55
3600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.31	.83	1.45	1.98	2.40	2.81	3.16	3.45	3.65
3700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.32	.86	1.49	2.03	2.47	2.89	3.25	3.54	3.76
3800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.32	.88	1.53	2.09	2.53	2.97	3.34	3.64	3.85
3900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.33	.90	1.57	2.14	2.60	3.05	3.43	3.74	3.96
4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.34	.93	1.61	2.20	2.67	3.12	3.52	3.83	4.06

Shaded areas indicate rim speeds exceeding 6500 FPM which may require higher strength sheaves.
TOTAL RATING = rated HP + "additional HP" from right hand column.
‡ Additional HP below 1.02 ratio equals zero.
Δ Subject to Arc and Length Corrections Factors on page PT7-47.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

8V BASIC HORSEPOWER RATINGS Δ

Faster Shaft RPM	Rated HP per Belt for Small Sheave O.D. of:												Additional HP per Belt for Speed Ratio of: ‡								
	12.5	13.2	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.2	22.4	24.8	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and up
435	20.1	22.3	24.8	27.8	30.9	33.9	36.8	39.8	42.7	46.2	49.7	56.4	.20	.56	.97	1.32	1.60	1.87	2.11	2.30	2.43
485	22.0	24.4	27.1	30.5	33.8	37.1	40.4	43.6	46.9	50.7	54.4	61.8	.23	.62	1.08	1.47	1.78	2.09	2.35	2.56	2.71
585	25.7	28.5	31.7	35.6	39.5	43.4	47.2	50.9	54.6	59.0	63.3	71.6	.27	.75	1.30	1.77	2.15	2.52	2.83	3.09	3.27
690	29.3	32.6	36.2	40.7	45.2	49.5	53.8	58.0	62.2	67.0	71.8	80.9	.32	.88	1.54	2.09	2.54	2.97	3.34	3.64	3.86
725	30.5	33.8	37.6	42.3	46.9	51.5	55.9	60.3	64.5	69.5	74.4	83.7	.34	.93	1.61	2.20	2.67	3.12	3.51	3.83	4.06
870	35.0	38.9	43.2	48.6	53.8	58.9	63.9	68.7	73.4	78.8	84.0	93.8	.41	1.11	1.94	2.64	3.20	3.74	4.22	4.59	4.87
950	37.3	41.4	46.0	51.7	57.2	62.6	67.7	72.8	77.6	83.1	88.4	98.1	.45	1.21	2.11	2.88	3.49	4.09	4.60	5.02	5.32
1160	42.6	47.3	52.5	58.8	64.8	70.6	76.1	81.2	86.1	91.5	96.5	104.8	.54	1.48	2.58	3.52	4.27	4.99	5.62	6.13	6.49
1425	47.6	52.7	58.4	65.0	71.2	76.9	82.1	86.8	90.9	95.0	98.3	102.1	.67	1.82	3.17	4.32	5.24	6.13	6.91	7.52	7.97
1750	50.9	56.1	61.7	67.9	73.3	77.8	81.5	84.2	85.8	86.5	...	...	.82	2.24	3.90	5.30	6.44	7.53	8.48	9.24	9.79
50	3.01	3.31	3.64	4.06	4.47	4.88	5.30	5.70	6.11	6.60	7.09	8.0	.02	.06	.11	.15	.18	.22	.24	.26	.28
100	5.59	6.15	6.79	7.59	8.38	9.17	9.96	10.7	11.5	12.5	13.4	15.2	.05	.13	.22	.30	.37	.43	.48	.53	.56
150	8.00	8.82	9.76	10.9	12.1	13.2	14.4	15.5	16.6	18.0	19.4	22.0	.07	.19	.33	.45	.55	.65	.73	.79	.84
200	10.3	11.4	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.3	25.1	28.6	.09	.26	.45	.61	.74	.86	.97	1.06	1.12
250	12.5	13.8	15.3	17.2	19.0	20.9	22.7	24.5	26.3	28.5	30.7	34.9	.12	.32	.56	.76	.92	1.08	1.21	1.32	1.40
300	14.6	16.2	18.0	20.2	22.4	24.5	26.7	28.8	31.0	33.5	36.0	41.0	.14	.38	.67	.91	1.10	1.29	1.45	1.58	1.68
350	16.7	18.5	20.5	23.1	25.6	28.1	30.5	33.0	35.4	38.3	41.2	46.9	.16	.45	.78	1.06	1.29	1.51	1.70	1.85	1.96
400	18.7	20.7	23.0	25.9	28.7	31.5	34.3	37.0	39.8	43.0	46.3	52.6	.19	.51	.89	1.21	1.47	1.72	1.94	2.11	2.24
450	20.7	22.9	25.5	28.6	31.8	34.9	37.9	41.0	44.0	47.6	51.1	58.1	.21	.58	1.00	1.36	1.66	1.94	2.18	2.38	2.52
500	22.6	25.0	27.8	31.3	34.7	38.1	41.5	44.8	48.1	51.9	55.8	63.3	.23	.64	1.11	1.52	1.84	2.15	2.42	2.64	2.80
550	24.4	27.1	30.1	33.9	37.6	41.3	44.9	48.5	52.0	56.2	60.3	68.3	.26	.70	1.22	1.67	2.02	2.37	2.67	2.90	3.08
600	26.2	29.1	32.4	36.4	40.4	44.3	48.2	52.0	55.8	60.2	64.6	73.0	.28	.77	1.34	1.82	2.21	2.58	2.91	3.17	3.36
650	28.0	31.0	34.5	38.8	43.1	47.2	51.4	55.4	59.4	64.1	68.7	77.5	.31	.83	1.45	1.97	2.39	2.80	3.15	3.43	3.64
700	29.7	32.9	36.6	41.2	45.7	50.1	54.4	58.7	62.9	67.8	72.6	81.7	.33	.89	1.56	2.12	2.57	3.01	3.39	3.70	3.92
750	31.3	34.7	38.7	43.5	48.2	52.8	57.4	61.8	66.2	71.3	76.2	85.6	.35	.96	1.67	2.27	2.76	3.23	3.63	3.96	4.20
800	32.9	36.5	40.6	45.7	50.6	55.4	60.2	64.8	69.3	74.6	79.6	89.3	.38	1.02	1.78	2.43	2.94	3.44	3.88	4.22	4.48
850	34.4	38.2	42.5	47.8	52.9	57.9	62.8	67.6	72.3	77.6	82.8	92.5	.40	1.09	1.89	2.58	3.13	3.66	4.12	4.49	4.76
900	35.9	39.8	44.3	49.8	55.1	60.3	65.4	70.3	75.0	80.5	85.8	95.5	.42	1.15	2.00	2.73	3.31	3.87	4.36	4.75	5.04
950	37.3	41.4	46.0	51.7	57.2	62.6	67.7	72.8	77.6	83.1	88.4	98.1	.45	1.21	2.11	2.88	3.49	4.09	4.60	5.02	5.32
1000	38.7	42.9	47.7	53.5	59.2	64.7	70.0	75.1	80.0	85.6	90.8	100.3	.47	1.28	2.23	3.03	3.68	4.30	4.85	5.28	5.60
1050	39.9	44.4	49.3	55.3	61.1	66.7	72.1	77.2	82.1	87.7	92.9	102.2	.49	1.34	2.34	3.18	3.86	4.52	5.09	5.54	5.88
1100	41.2	45.7	50.8	56.9	62.9	68.5	74.0	79.2	84.1	89.6	94.7	103.6	.52	1.41	2.45	3.33	4.05	4.73	5.33	5.81	6.16
1150	42.3	47.0	52.2	58.5	64.5	70.2	75.7	80.9	85.9	91.2	96.2	104.6	.54	1.47	2.56	3.49	4.23	4.95	5.57	6.07	6.44
1200	43.5	48.2	53.5	59.9	65.0	71.8	77.3	82.5	87.3	92.6	97.4	105.2	.56	1.53	2.67	3.64	4.41	5.17	5.82	6.34	6.71
1250	44.5	49.4	54.8	61.2	67.4	73.2	78.7	83.8	88.5	93.7	98.2	105.4	.59	1.60	2.78	3.79	4.60	5.38	6.06	6.60	6.99
1300	45.5	50.4	55.9	62.5	68.7	74.5	79.9	84.9	89.5	94.5	98.7	105.1	.61	1.66	2.89	3.94	4.78	5.60	6.30	6.86	7.27
1350	46.4	51.4	57.0	63.6	69.8	75.6	80.9	85.8	90.3	94.9	98.8	104.3	.63	1.73	3.01	4.09	4.97	5.81	6.54	7.13	7.55
1400	47.2	52.3	57.9	64.5	70.8	76.5	81.7	86.5	90.7	95.1	98.6	102.9	.66	1.79	3.12	4.24	5.15	6.03	6.78	7.39	7.83
1450	48.0	53.1	58.8	65.4	71.6	77.2	82.4	86.9	90.9	94.9	98.0	101.1	.68	1.85	3.23	4.40	5.33	6.24	7.03	7.66	8.11
1500	48.7	53.9	59.5	66.2	72.3	77.8	82.8	87.1	90.8	94.4	97.0	98.8	.70	1.92	3.34	4.55	5.52	6.46	7.27	7.92	8.39
1550	49.3	54.5	60.2	66.8	72.8	78.2	83.0	87.1	90.5	93.6	95.5	95.9	.73	1.98	3.45	4.70	5.70	6.67	7.51	8.18	8.67
1600	49.8	55.1	60.7	67.2	73.2	78.4	82.9	86.7	89.8	92.3	93.7	...	.75	2.05	3.56	4.85	5.88	6.89	7.75	8.45	8.95
1650	50.2	55.5	61.1	67.6	73.4	78.4	82.7	86.2	88.8	90.8	91.4	...	.77	2.11	3.67	5.00	6.07	7.10	8.00	8.71	9.23
1700	50.6	55.9	61.5	67.8	73.4	78.2	82.2	85.3	87.5	88.8	88.7	...	.80	2.17	3.78	5.15	6.25	7.32	8.24	8.98	9.51
1800	51.2	56.3	61.7	67.8	73.0	77.2	80.5	82.7	83.9	83.7	...	...	.84	2.30	4.01	5.46	6.62	7.75	8.72	9.5	10.1
1900	51.2	56.3	61.5	67.2	71.8	75.4	77.8	79.0	78.9	...	...	...	.89	2.43	4.23	5.76	6.99	8.18	9.21	10.0	10.6
2000	51.0	55.9	60.8	65.9	69.9	72.6	74.0	74.0	...	...	...	...	.94	2.56	4.45	6.06	7.36	8.61	9.69	10.6	11.2
2200	49.4	53.7	57.7	61.5	63.7	64.2	...	...	...	...	...	...	1.03	2.81	4.90	6.67	8.09	9.47	10.7	11.6	12.3
2400	46.0	49.5	52.4	54.2	54.1	...	...	...	...	...	...	...	1.13	3.07	5.34	7.28	8.83	10.3	11.6	12.7	13.4
2600	40.9	43.2	44.5	...	...	...	...	...	...	...	...	...	1.22	3.32	5.79	7.88	9.56	11.2	12.6	13.7	14.5

Shaded areas indicate rim speeds exceeding 6500 FPM which may require higher strength sheaves.
TOTAL RATING = rated HP + "additional HP" from right hand column.
‡ Additional HP below 1.02 ratio equals zero.
Δ Subject to Arc and Length Corrections Factors on page PT7-47.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

5VF BASIC HORSEPOWER RATINGS Δ
Aramide Cord Belt
SEE CAUTION BELOW

Faster Shaft RPM	Rated HP per Belt for Small Sheave O.D. of:														Additional HP per Belt for Speed Ratio of:‡				
	7.1	8.0	8.5	9.0	9.75	10.3	10.9	11.3	11.8	12.5	13.2	14.0	15.0	16.0	1.02 to 1.20	1.21 to 1.50	1.51 to 2.19	2.20 to 3.32	3.33 and up
200	3.55	4.42	4.91	5.39	6.11	6.63	7.2	7.58	8.05	8.71	9.36	10.1	11.0	11.9	.10	.24	.33	.37	.38
300	5.01	6.29	6.99	7.69	8.74	9.5	10.3	10.9	11.5	12.5	13.5	14.5	15.9	17.2	.15	.36	.50	.55	.57
400	6.39	8.05	8.97	9.88	11.2	12.2	13.3	14.0	14.9	16.1	17.4	18.8	20.5	22.2	.19	.47	.66	.74	.76
500	7.71	9.74	10.9	12.0	13.6	14.8	16.2	17.0	18.1	19.6	21.1	22.8	24.9	27.0	.24	.59	.83	.92	.94
600	8.96	11.4	12.7	14.0	15.9	17.4	18.9	19.9	21.2	23.0	24.8	26.7	29.2	31.7	.29	.71	.99	1.11	1.13
700	10.2	12.9	14.4	15.9	18.2	19.8	21.6	22.8	24.2	26.3	28.3	30.5	33.3	36.1	.34	.83	1.16	1.29	1.32
800	11.3	14.4	16.1	17.8	20.4	22.2	24.2	25.5	27.1	29.4	31.6	34.2	37.3	40.4	.39	.95	1.32	1.48	1.51
900	12.4	15.9	17.8	19.7	22.5	24.5	26.7	28.2	29.9	32.4	34.9	37.7	41.1	44.5	.44	1.07	1.49	1.66	1.70
1000	13.5	17.3	19.4	21.5	24.5	26.7	29.1	30.7	32.7	35.4	38.0	41.1	44.8	48.4	.49	1.18	1.65	1.85	1.89
1100	14.6	18.7	20.9	23.2	26.5	28.9	31.5	33.2	35.3	38.2	41.1	44.3	48.2	52.1	.53	1.30	1.82	2.03	2.08
1200	15.6	20.0	22.4	24.8	28.4	30.9	33.7	35.5	37.8	40.9	43.9	47.4	51.5	55.6	.58	1.42	1.99	2.22	2.27
1300	16.6	21.3	23.9	26.4	30.2	32.9	35.9	37.8	40.2	43.5	46.7	50.3	54.7	58.9	.63	1.54	2.15	2.40	2.45
1400	17.5	22.5	25.3	28.0	32.0	34.9	37.9	40.0	42.5	45.9	49.3	53.0	57.6	61.9	.68	1.66	2.32	2.59	2.64
1600	19.3	24.9	27.9	30.9	35.3	38.5	41.8	44.1	46.8	50.5	54.1	58.1	62.8	67.3	.78	1.89	2.65	2.96	3.02
1800	20.9	27.0	30.3	33.6	38.4	41.7	45.4	47.7	50.6	54.5	58.2	62.3	67.2	71.6	.88	2.13	2.98	3.32	3.40
2000	22.4	29.0	32.6	36.0	41.1	44.7	48.5	50.9	53.9	57.9	61.7	65.8	70.5	74.8	.97	2.37	3.31	3.69	3.78
2200	23.8	30.8	34.5	38.2	43.5	47.2	51.2	53.7	56.7	60.7	64.5	68.5	72.9	76.7	1.07	2.60	3.64	4.06	4.15
2400	24.9	32.4	36.3	40.1	45.6	49.4	53.4	55.9	58.9	62.8	65.5	70.2	74.1	77.3	1.17	2.84	3.97	4.43	4.53
2600	26.0	33.7	37.8	41.7	47.3	51.1	55.1	57.6	60.5	64.3	67.6	70.9	...	...	1.26	3.08	4.30	4.80	4.91
2800	26.9	34.8	39.0	43.0	48.6	52.4	56.3	58.7	61.4	64.9	67.8	...	...	...	1.36	3.31	4.63	5.17	5.29
3000	27.6	35.8	40.0	44.0	49.6	53.3	56.9	59.2	61.7	64.7	...	...	...	...	1.46	3.55	4.96	5.54	5.66
3200	28.1	36.4	40.7	44.6	50.1	53.6	57.0	59.0	61.2	...	...	...	...	...	1.56	3.79	5.30	5.91	6.04
3400	28.4	36.8	41.0	44.9	50.1	53.4	56.5	58.2	...	...	...	...	...	...	1.65	4.02	5.63	6.28	6.42
3600	28.6	36.9	41.1	44.8	49.7	52.7	...	...	...	...	...	...	...	...	1.75	4.26	5.96	6.65	6.80

8VF
SEE CAUTION BELOW

Faster Shaft RPM	Rated HP per Belt for Small Sheave O.D. of:												Additional HP per Belt for Speed Ratio of:‡				
	12.5	13.2	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.2	22.4	24.8	1.02 to 1.20	1.21 to 1.50	1.51 to 2.19	2.20 to 3.32	3.33 and up
200	12.6	14.5	16.6	19.3	21.9	24.6	27.2	29.8	32.433	35.5	38.6	44.7	.59	1.43	2.00	2.24	2.29
250	15.0	17.4	20.0	23.3	26.5	29.7	33.0	36.2	39.4	43.2	46.9	54.5	.74	1.79	2.51	2.80	2.86
300	17.4	20.1	23.2	27.1	30.9	34.7	38.5	42.3	46.1	50.5	55.0	63.8	.88	2.15	3.01	3.36	3.43
350	19.6	22.7	26.3	30.7	35.2	39.6	43.9	48.3	52.6	57.7	62.8	72.9	1.03	2.51	3.51	3.91	4.00
400	21.7	25.2	29.3	34.3	39.3	44.2	49.1	54.0	58.9	64.6	70.4	81.7	1.18	2.87	4.01	4.47	4.57
450	23.7	27.7	32.2	37.7	43.2	48.7	54.2	59.6	65.0	71.4	77.7	90.2	1.33	3.23	4.51	5.03	5.15
500	25.6	30.0	34.9	41.0	47.1	53.1	59.1	65.0	70.9	77.8	84.8	98.4	1.47	3.58	5.01	5.59	5.72
600	29.3	34.4	40.1	47.3	54.4	61.4	68.4	75.3	82.2	90.2	98.2	113.9	1.77	4.30	6.01	6.71	6.86
700	32.6	38.4	45.0	51.2	61.2	69.2	77.1	84.9	92.6	101.7	110.7	128.1	2.06	5.02	7.01	7.83	8.00
800	35.6	42.1	49.5	58.6	67.6	76.5	85.2	93.8	102.3	112.3	122.1	141.1	2.36	5.73	8.02	8.95	9.15
900	38.3	45.5	53.6	63.6	73.5	83.1	92.7	102.0	111.2	121.9	132.4	152.5	2.65	6.45	9.02	10.1	10.3
1000	40.7	48.5	57.4	68.2	78.8	89.2	99.4	109.4	119.1	130.5	141.5	162.4	2.95	7.17	10.0	11.2	11.4
1100	42.9	51.3	60.7	72.3	83.6	94.7	105.5	116.0	126.2	138.0	149.4	170.7	3.24	7.89	11.0	12.3	12.6
1200	44.7	53.7	63.7	75.9	87.9	99.5	110.8	121.7	132.2	144.4	155.9	177.3	3.53	8.60	12.0	13.4	13.7
1300	46.2	55.7	66.3	79.2	91.6	103.7	115.3	126.5	137.3	149.5	161.1	181.9	3.83	9.32	13.1	14.5	14.8
1400	47.4	57.3	68.4	81.8	94.7	107.1	119.0	130.4	141.2	153.4	164.7	184.5	4.12	10.1	14.1	15.7	16.0
1500	48.3	58.6	70.1	83.9	97.1	109.8	121.8	133.2	143.9	155.8	165.7	184.9	4.42	10.7	15.0	16.8	17.1
1600	48.8	59.5	71.3	85.4	98.9	111.7	123.7	135.0	145.4	156.8	167.0	...	4.71	11.5	16.0	17.9	18.3
1700	49.0	59.0	72.0	86.4	100.0	112.8	124.7	135.7	145.6	156.3	165.5	...	5.01	12.2	17.0	19.0	19.4
1800	48.8	60.0	72.2	86.8	100.4	113.0	124.6	135.1	144.5	154.2	...	...	5.30	12.9	18.0	20.1	20.6
1900	48.2	59.5	71.9	86.5	100.0	112.4	123.5	133.4	141.9	...	...	...	5.60	13.6	19.0	21.2	21.7
2000	47.2	58.7	71.1	85.6	98.8	110.7	121.3	130.3	...	...	...	...	5.89	14.3	20.0	22.3	22.8
2100	45.8	57.3	69.7	84.0	96.8	108.1	117.9		...	...	...	...	6.19	15.0	21.0	23.5	24.0
2200	43.9	55.5	67.7	81.7	94.0	104.5	...	...	...	...	...	...	6.48	15.8	22.0	24.6	25.1

Shaded areas indicate rim speeds exceeding 6500 FPM which may require higher strength sheaves.

Δ Subject to Arc and Length Corrections Factors on page PT7-47.

TOTAL RATING = rated HP + "additional HP" from right hand column.

‡ Additional HP below 1.02 ratio equals zero.

CAUTION: Belt horsepower ratings may exceed design capacity of stock sheaves. Consult factory for recommendations.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

Stock Classical Drives: Standard Motor Speeds

Step 1 - Determine Service Factor. Refer to Typical Service factors, Table 7. Locate type of Driven and Driver equipment. (If an idler is used, increase the factor by value indicated). Correct factor is determined by: 1. The extent and frequency of peak loads. 2. Number of operating hours/year, broken down in average hours/day of continuous service. 3. Proper service category: (Intermittent, Normal or Continuous). Select the one closest to the application conditions.

Step 2 - Compute Design HP. Multiply normal running HP required or nameplate rating by service factor obtained in Step 1.

Step 3 - Choose Belt Section. Using Table 6, below, read up from design HP figure obtained in Step 2 and over from the RPM of faster shaft. This intersection indicates belt sections.

Step 4 - Select the Drive. a). Using belt section from Step 3, refer to Stock Drive Selection Tables beginning on page PT7-90. **b).** Under appropriate driver speed column find Driven RPM nearest to the desired speed. To the right note HP per Belt. Read left for Driver/Driven Sheave information. (If driver is an electric motor be sure motor sheave diameter is not less than shown in Table 8.) **c)**. Read onto opposite page and find figure nearest the required center distance. Note Arc-Length Correction Factor in the shaded row below the C.D. figure. d). Read to the top of the table for the belt size. **e). To determine number of belts**, multiply the HP per Belt value by the Arc Length Correction Factor. This is the corrected HP/ belt. Divide design HP by corrected HP figure to determine number of belts required.

EXAMPLE OF SELECTION

Select a classical drive for a continuous duty 3-piston compressor, with a 2-7/16, shaft, to run at about 284 RPM, driven by a 30 HP, 1160 RPM squirrel cage electric motor with a 2-1/8, shaft. Desired center distance is approximately 36".

Step 1 - Service factor from Table 7 is 1.4.

Step 2 - Design HP = 1.4 x 30 = 42 HP.

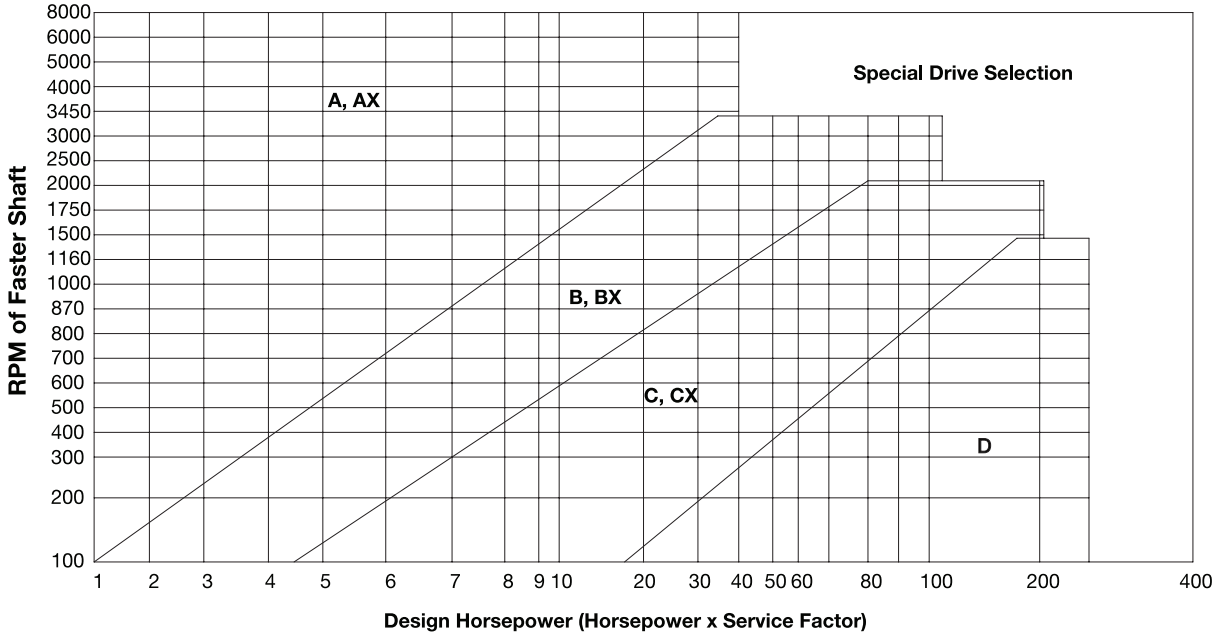
Step 3 - A C-section belt is shown in Table 11 when reading to the right of 1160 RPM and up from 42 design HP.

Step 4 - Turn to C-Stock Drive Selection Tables beginning on page PT7-124. Under 1160 RPM Driven, read down to find 285 RPM. One selection is 284 on page PT7-128. Note HP/belt as 15.47 for all SL Classic belts and Polyband belts over 116" and 19.34 for all Classic-Cog and Polyband under 116". Also note sheaves listed as a 8.5 Driver, 36.0 Driven. Table 8 shows driver is not undersize. Reading to opposite page the C.D. figure of 35.9 is closest to 36". Top of table shows belt size as C144.

The HP/belt for SL Classic is 15.47. This value x the .95 factor = 14.7 corrected HP/belt. 42 HP÷14.7 = 2.85. Going to the next whole number the drive requires 3 SL Classic belts. (Center to center operating distance is 35.9 nominal.) **Order:** 1. 3 - C144 SL Classic Belts. 2. 1 - 3-groove C8.5 TAPER-LOCK Sheave. 3. 1 - 2-1/8, bore 2517 bushing.
4. 1 - 3-groove C36.0 TAPER-LOCK Sheave. 5. 1 - 2-7/16, bore 3535 bushing.

(The steps above may be used to figure a Classic-COG drive with higher HP ratings. This drive usually uses fewer grooves and will be more compact. The decision to use SL Classic, Classic-COG or POLYBAND belts involves economics, interchangeability, etc.).

Table 6 - Narrow Cross Section Selection Chart



NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SERVICE FACTORS

Table 7 - Typical Service Factors

Driven Machine Types Note: Certain machines may require flywheel sheaves or special construction to withstand heavy shock loads. Consult Mfg'r.	Driver: Normal Torque NEMA Des. A or B Motors DC Shunt Wound Motors Multi-Cylinder Engines			Driver: High Torque NEMA Des. C or D Motors DC Series Wound Motors Single Cylinder Engines			
	Service*			Service*			
	Intermit.	Normal	Contin.	Intermit.	Normal	Cont.	
Agitators for Liquids Blowers and Exhausters Centrif. Pumps, Compressors Fans up to 10HP Light Duty Conveyors	1.0	1.1	1.2	1.1	1.2	1.3	* Note: Intermittent: Up to 6 Hrs./Day Normal: 6-16 Hrs./Day Continuous: 16-24 Hrs./Day Adder for Idlers: Outside on slack side . . . . . 0.1 Inside on tight side . . . . . 0.1 Outside on tight side 0.2
Belt Conveyors, Bulk Mat'l Dough Mixers Fans over 10 HP Generators Line Shafts Laundry Machinery Machine Tools Punches, Presses, Shears Printing Machinery Positive Displ. Rotary Pumps Revolving & Vibrating Screens	1.1	1.2	1.3	1.2	1.3	1.4	
Brick Machinery Bucket Elevators Exciters Piston Compressors Conveyors: Drag, Pan, Screw Hammer Mills Paper Mill Beaters Piston Pumps Pos. Displacement Blowers Pulverizers Saw Mill, Woodworking Mach'y Textile Machinery	1.2	1.3	1.4	1.4	1.5	1.6	
Crushers: Gyratory, Jaw, Roll Mills: Ball, Rod, Tube Hoists Rubber Calendars, Extruders, Mills	1.3	1.4	1.5	1.6	1.7	1.8	
Chokable Equipment, Fire Hazard	2.0	2.0	2.0	2.0	2.0	2.0	

Table 8 - Min. Recommended Classical Groove Sheave Dia. for Drives Using Electric Motors

Motor RPM	A, B. C. D, V-belt Sheave	Motor Horsepower																		
		1/2	3/4	1	1-1/2	2	3	5	7-1/2	10	15	20	25	30	40	50	60	75	100	125
870	Min. P.D.	2.2	2.4	2.4	2.4	3.0	3.0	3.8	4.4	4.6	5.4	6.0	6.8	6.8	8.2	9.0	10.0	10.5	12.5	. . .
	Max. Face Width	4.3	4.3	5.3	5.3	6.5	6.5	7.8	7.8	9.0	9.0	10.3	10.3	11.5	11.5	14.3	14.3	16.8	16.8	. . .
1160	Min. P.D.	. . .	2.2	2.4	2.4	2.4	3.0	3.0	3.8	4.4	4.6	5.4	6.0	6.8	6.8	8.2	9.0	10.0	11.0	12.5
	Max. Face Width	. . .	4.3	4.3	5.3	5.3	6.5	6.5	7.8	7.8	9.0	9.0	10.3	10.3	11.5	11.5	14.3	14.3	16.8	16.8
1750	Min. P.D.	. . .	. . .	2.2	2.4	2.4	2.4	3.0	3.0	3.8	4.4	4.6	5.0	5.4	6.0	6.8	7.4	9.0	10.0	11.5
	Max. Face Width	. . .	. . .	4.3	4.3	4.3	5.3	5.3	6.5	6.5	7.8	7.8	9.0	9.0	10.3	10.3	11.5	11.5	14.3	14.3
3500	Min. P.D.	. . .	. . .	. . .	2.2	2.4	2.4	3.0	3.8	3.0	3.8	4.4	4.4	. . .	. . .	. . .	. . .	. . .	. . .	. . .
	Max. Face Width	. . .	. . .	. . .	4.3	4.3	4.3	5.3	5.3	6.5	6.5	7.8	7.8	. . .	. . .	. . .	. . .	. . .	. . .	. . .

Data is per NEMA Standard MG1-14.42. In areas where sheaves are not listed, consult motor manufacturer

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

Stock Classical Drives: Non Standard Motor Speeds & Speed-Up Drives

For Speeds Other Than Standard Motor Speeds:

Step 1 - Determine Speed Ratio = $\left(\frac{\text{Driver RPM}}{\text{Driven RPM}}\right)$

Step 2 - Compute Design HP. Multiply normal running HP required or nameplate rating by service factor from Table 2.

Step 3 - Determine Maximum Diameter of Driver Sheave

@ 6500 FPM: O.D. = $\left(\frac{\text{6500 RPM}}{\text{.262 x RPM}}\right)$

Step 4 - Select Belt Cross Section. Using Table 6, read up from design HP figure obtained in Step 2 and over from the RPM of faster shaft. This intersection indicates belt section.

Step 5 - Select Drive. Using the belt section from Step 4, make a tentative sheave selection from **Stock Drive Selection Tables**. (Note that several choices are available in the ratio obtained from Step 1.) Other choices close to this ratio may also produce a functional drive. Read onto opposite page and find figure nearest the required center distance. The Arc-Length Correction Factor is listed in the shaded row below the C.D. figure. Read to the top of the table for the belt size.

Step 6 - Size the Drive. From Basic HP Tables beginning on page PT7-118, locate HP rating at intersection of RPM row and small sheave column. To this, add the "additional HP" figure based on drive ratio. This becomes the rated HP. Multiply this sum by the arc-length correction factor noted in Step 5. This becomes the corrected HP per belt. To find

Required number of belts : $\frac{\text{Design HP}}{\text{Correction HP/Belt}}$

EXAMPLE OF SELECTION

A V-drive is needed for a 15 HP, 2200 RPM gasoline engine, with a 1-5/8" shaft, running a reducer on a belt conveyor. 2-5/16" reducer input shaft shaft runs at 1490 RPM. Service is intermittent. Center distance is 36".

Step 1 - Speed Ratio = $\frac{2200}{1785}$ = 1.48

Step 2 - Service Factor = 1.2 Design HP = 15 x 1.1 = 16.5

Step 3 - Driver Sheave Max. Dia. = $\frac{6500}{.262 \times 2200}$ = 11.3

Step 4 - Belt Cross Section = Table 11 indicates A-AX.

Step 5 - Turn to A, AX **Stock Drive Selection Tables** beginning on page PT7-106. Find the 1.48 ratio obtained in the Step 1 calculations. The most economical drive shows a 4.6 Driver, 7.0 Driven Sheave. The C.D. nearest 36" is 36.5. The correction factor below the C.D. figure is 1.07. Top of the table shows an A90 belt. Refer to Basic HP Tables on page PT7-134. From the 2200 RPM of the faster shaft row and down from the 4.6 smaller sheave:
5.80 HP/belt plus an additional HP of .44 in the 1.35 thru 1.99 ratio column. The sum = 6.24 HP/belt x 1.07 arc-length correction factor = 6.68 HP/belt.

Number of belts = $\frac{16.5}{6.68}$ = 2.47 or 3 belts

Order: 1- 3 groove A4.6 TAPER-LOCK Sheave, 1 to 1-5/8" bore 1610 bushing, 1-3 groove A7.0 sheave, 1 to 2-5/16" bore 2517 bushing, 3-A90 SL Classic Belts.

Example of an "A" Speed-Up Drive

A 10 HP 1750 RPM AC motor, with a 1-3/8" shaft is to drive a high speed blower @ 4000 RPM. The blower shaft is 1-7/16", center distance 24" and equipment runs 24 hrs./day.

1. Service Factor from Table 12 is 1.2.
2. Design HP = 10 x 1.2 = 12 HP.
3. Speed Ratio = $\frac{4000}{1750}$ = 2.29
4. In Stock Drive Table, under 2.29 ratio, sheaves are listed as 3.4 Driver/8.2 Driven. (In a speed-up drive, the 3.4 sheave becomes the Driven, the 8.2 the Driver.) The opposite page of the table shows the closest center distance as 24.4 with an arc length correction factor of .96. Belt shown at top of table is A66.
5. From **Basic Horsepower Tables** a 3.4 sheave @ 4000 RPM = (4.38 + 1.00) = 5.38.
   5.38 x .96 = 5.16 corrected HP/belt.
6. **Number of Belts** = $\frac{\text{Design HP}}{\text{Corrected HP}} = \frac{12}{5.16}$ = 2.33
   or 3 belts.
7. **Order:** 1-3 groove A8.2 TAPER-LOCK Sheave, 1 to 1-3/8" bore 2517 bushing, 1-3 groove A3.4 TAPER-LOCK Sheave, 1 to 1-7/16" bore 1610 bushing, 3-A66 SL belts.

NOTE: To determine required belt length when center distance and sheave datum diameters are known, use the following formula.

$$L = 2C + 1.57 (D + d) + \frac{(D - d)^2}{4c}$$

L = Belt Length In Inches

C = Center Distance

D = Datum Dia. of Large Sheave

d = Datum Dia. of Small Sheave

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

Belt Correction Factors

Table 9 - Classical Belt Length Correction Factors

Datum Length	Factor	Datum Length	Factor	Datum Length	Factor	Datum Length	Factor	Datum Length	Factor	Datum Length	Factor	Datum Length	Factor
A Belts		A Belts (Cont.)		A Belts (Cont.)		B Belts (Cont.)		B Belts (Cont.)		C Belts (Cont.)		D Belts (Cont.)	
15.3	0.68	58.3	0.96	113.3	1.11	57.8	0.90	101.8	1.03	107.9	0.94	213.3	0.96
16.3	0.69	59.3	0.97	121.3	1.13	58.8	0.90	102.8	1.03	108.9	0.94	225.8	0.99
17.3	0.71	60.3	0.97	129.3	1.14	59.8	0.91	104.8	1.04	110.9	0.94	240.8	1.00
18.3	0.72	61.3	0.98	134.3	1.14	60.8	0.91	106.8	1.04	111.9	0.94	255.8	1.01
19.3	0.73	62.3	0.98	137.3	1.15	61.8	0.92	109.8	1.04	113.9	0.94	270.8	1.03
20.3	0.74	63.3	0.98	145.3	1.17	62.8	0.92	112.8	1.05	114.9	0.95	285.8	1.04
21.3	0.75	64.3	0.98	159.3	1.19	63.8	0.92	113.8	1.05	117.9	0.95	300.8	1.05
22.3	0.76	65.3	0.99	174.3	1.21	64.8	0.92	117.8	1.06	122.9	0.97	315.8	1.06
23.3	0.77	67.3	0.99	181.3	1.22	65.8	0.93	121.8	1.07	126.9	0.97	330.8	1.07
24.3	0.78	68.3	0.99	B Belts		66.8	0.93	125.8	1.07	130.9	0.98	345.8	1.08
25.3	0.79	69.3	1.00	23.8	0.71	67.8	0.93	129.8	1.08	138.9	0.99	360.8	1.09
26.3	0.80	70.3	1.00	24.8	0.72	68.8	0.94	134.8	1.09	146.9	1.00	390.8	1.11
27.3	0.81	71.3	1.00	25.8	0.73	69.8	0.95	137.8	1.09	152.9	1.01	420.8	1.12
28.3	0.81	72.3	1.01	26.8	0.74	70.8	0.95	145.8	1.11	160.9	1.02	450.8	1.14
29.3	0.82	73.3	1.01	27.8	0.75	71.8	0.95	149.8	1.11	164.9	1.03	480.8	1.16
30.3	0.82	74.3	1.01	28.8	0.75	72.8	0.95	159.8	1.13	175.9	1.04	540.8	1.18
31.3	0.83	75.3	1.02	29.8	0.76	73.8	0.95	163.8	1.13	182.9	1.05	600.8	1.20
32.3	0.84	76.3	1.02	30.8	0.77	74.8	0.96	174.8	1.15	197.9	1.07	E Belts #	
33.3	0.84	77.3	1.02	31.8	0.77	75.8	0.96	181.8	1.16	212.9	1.08	184.5	0.91
34.3	0.85	78.3	1.02	32.8	0.78	76.8	0.97	191.8	1.16	225.9	1.10	199.5	0.92
35.3	0.86	79.3	1.03	33.8	0.79	77.8	0.97	196.8	1.18	240.9	1.11	214.5	0.94
36.3	0.87	80.3	1.03	34.8	0.79	78.8	0.97	206.8	1.19	255.9	1.12	241.0	0.96
37.3	0.87	81.3	1.04	35.8	0.80	79.8	0.97	211.8	1.19	270.9	1.14	271.0	0.99
38.3	0.87	82.3	1.04	36.8	0.81	80.8	0.97	225.3	1.21	285.9	1.15	301.0	1.01
39.3	0.88	83.3	1.04	37.8	0.81	81.8	0.97	240.3	1.22	300.9	1.16	331.0	1.03
40.3	0.89	84.3	1.04	38.8	0.82	82.8	0.98	255.3	1.24	315.9	1.18	361.0	1.05
41.3	0.89	85.3	1.05	39.8	0.83	83.8	0.98	270.3	1.25	330.9	1.19	391.0	1.07
42.3	0.90	86.3	1.05	40.8	0.83	84.8	0.98	285.3	1.26	345.9	1.20	421.0	1.09
42.3	0.90	87.3	1.05	41.8	0.83	85.8	0.99	300.3	1.27	360.9	1.21	481.0	1.12
43.3	0.91	88.3	1.05	42.8	0.84	86.8	0.99	315.3	1.29	390.9	1.23	541.0	1.14
44.3	0.91	89.3	1.06	43.8	0.85	87.8	0.99	C Belts		420.9	1.24	601.0	1.17
45.3	0.92	90.3	1.06	44.8	0.85	88.8	0.99	53.9	0.80	450.9	1.26	....	....
46.3	0.92	91.3	1.06	45.8	0.85	89.8	1.00	57.9	0.81	480.9	1.27	....	....
47.3	0.93	92.3	1.06	46.8	0.86	90.8	1.00	62.9	0.82	D Belts		....	....
48.3	0.93	93.3	1.07	47.8	0.87	91.8	1.00	70.9	0.85	108.3	0.83	....	....
49.3	0.93	94.3	1.07	48.8	0.87	92.8	1.00	73.9	0.87	115.3	0.84	....	....
50.3	0.94	95.3	1.07	49.8	0.87	93.8	1.00	77.9	0.89	123.3	0.86	....	....
51.3	0.94	96.3	1.07	50.8	0.88	94.8	1.01	83.9	0.90	131.3	0.87	....	....
52.3	0.95	97.3	1.08	51.8	0.88	95.8	1.01	87.9	0.91	147.3	0.90	....	....
53.3	0.95	98.3	1.08	52.8	0.89	96.8	1.01	92.9	0.92	161.3	0.92	....	....
54.3	0.96	99.3	1.08	53.8	0.89	97.8	1.01	98.9	0.92	165.3	0.92	....	....
55.3	0.96	101.3	1.08	54.8	0.89	98.8	1.02	99.9	0.92	176.3	0.93	....	....
56.6	0.96	106.3	1.10	55.8	0.89	99.8	1.02	101.9	0.92	183.3	0.94	....	....
57.3	0.96	111.3	1.11	56.8	0.90	100.8	1.02	103.9	0.94	198.3	0.96	....	....

E Belts recommended for replacement only, not for new drive design

Table 10 - Arc Correction Factors

D-d‡ / C	Approx. Arc of Contact on Small Shv.	Factor	D-d‡ / C	Approx. Arc of Contact on Small Shv.	Factor
.00	180°	1.00	.80	133°	.87
.10	174°	.99	.90	127°	.85
.20	169°	.97	1.00	120°	.82
.30	163°	.96	1.10	113°	.80
.40	157°	.94	1.20	106°	.77
.50	151°	.93	1.30	99°	.73
.60	145°	.91	1.40	91°	.70
.70	139°	.89	1.50	83°	.65

‡ D = Dia. of large sheave.
d = Dia. of small sheave.
C = Center distance

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

A S-L CLASSIC | **AX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance						
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		A26	A31	A33	A35	A38	A42	A46
	Driver	Driven	RPM	A	AX	RPM	A	AX	RPM	A	AX	AX26	AX31	AX33	AX35	AX38	AX42	AX46
1.00	3.0	3.0	3500	3.42	4.61	1750	2.37	3.08	1160	1.78	2.33	8.9	11.4	12.4	13.4	14.9	16.9	18.9
1.00	3.4	3.4	3500	4.60	5.68	1750	3.09	3.72	1160	2.29	2.79	8.3	10.8	11.8	12.8	14.3	16.3	18.3
1.00	3.8	3.8	3500	5.72	6.70	1750	3.80	4.35	1160	2.79	3.24	7.7	10.2	11.2	12.2	13.7	15.7	17.7
1.00	4.2	4.2	3500	6.77	7.68	1750	4.49	4.96	1160	3.29	3.69	7.1	9.6	10.6	11.6	13.1	15.1	17.1
1.00	4.6	4.6	3500	7.75	8.62	1750	5.16	5.56	1160	3.77	4.13	6.4	8.9	9.9	10.9	12.4	14.4	16.4
1.00	5.0	5.0	3500	8.66	9.52	1750	5.83	6.15	1160	4.25	4.56	---	8.3	9.3	10.3	11.8	13.8	15.8
1.00	5.2	5.2	3500	9.09	9.96	1750	6.15	6.44	1160	4.49	4.77	---	8.0	9.0	10.0	11.5	13.5	15.5
1.00	6.0	6.0	3500	10.60	11.59	1750	7.42	7.57	1160	5.43	5.60	---	---	7.7	8.7	10.2	12.2	14.2
1.00	7.0	7.0	3500	---	---	1750	8.92	8.92	1160	6.56	6.61	---	---	---	---	8.7	10.7	12.7
1.03	5.6	5.8	3387	10.02	10.93	1693	6.86	7.08	1122	5.01	5.23	---	7.2	8.2	9.2	10.7	12.7	14.7
1.04	5.0	5.2	3375	8.81	9.67	1687	5.90	6.23	1118	4.30	4.60	5.6	8.1	9.1	10.1	11.6	13.6	15.6
1.04	4.2	4.4	3354	6.94	7.85	1677	4.57	5.05	1111	3.34	3.75	6.9	9.4	10.4	11.4	12.9	14.9	16.9
1.05	3.6	3.8	3333	5.36	6.39	1666	3.54	4.13	1104	2.61	3.08	7.8	10.3	11.3	12.3	13.8	15.8	17.8
1.06	3.0	3.2	3304	3.64	4.83	1652	2.48	3.19	1095	1.86	2.40	8.8	11.3	12.3	13.3	14.8	16.8	18.8
1.06	6.0	6.4	3294	10.83	11.82	1647	7.54	7.69	1092	5.50	5.68	---	6.4	7.4	8.4	9.9	11.9	13.9
1.07	5.2	5.6	3266	9.35	10.22	1633	6.28	6.57	1082	4.58	4.85	---	7.7	8.7	9.7	11.2	13.2	15.2
1.08	4.6	5.0	3240	8.04	8.91	1620	5.31	5.71	1074	3.87	4.22	6.1	8.6	9.6	10.6	12.1	14.1	16.1
1.09	4.0	4.4	3207	6.57	7.51	1604	4.30	4.82	1063	3.14	3.57	7.1	9.6	10.6	11.6	13.1	15.1	17.1
1.09	6.0	6.6	3199	10.92	11.91	1600	7.58	7.73	1060	5.53	5.71	---	6.3	7.3	8.3	9.8	11.8	13.8
1.10	5.6	6.2	3181	10.23	11.13	1590	6.96	7.18	1054	5.07	5.30	---	6.9	7.9	8.9	10.4	12.4	14.4
1.10	3.6	4.0	3180	5.51	6.53	1590	3.61	4.21	1054	2.66	3.13	7.7	10.2	11.2	12.2	13.7	15.7	17.7
1.11	5.2	5.8	3160	9.45	10.31	1580	6.33	6.62	1047	4.61	4.89	---	7.5	8.5	9.5	11.0	13.0	15.0
1.11	3.2	3.6	3148	4.38	5.52	1574	2.92	3.59	1043	2.16	2.68	8.3	10.8	11.8	12.8	14.3	16.3	18.3
1.12	4.8	5.4	3137	8.60	9.46	1568	5.69	6.05	1040	4.14	4.47	5.6	8.1	9.1	10.1	11.6	13.6	15.6
1.12	3.0	3.4	3130	3.80	5.00	1565	2.56	3.27	1037	1.91	2.46	8.6	11.1	12.1	13.1	14.6	16.6	18.6
1.13	4.2	4.8	3095	7.18	8.10	1547	4.69	5.17	1026	3.42	3.83	6.6	9.1	10.1	11.1	12.6	14.6	16.6
1.13	5.6	6.4	3087	10.31	11.21	1544	7.00	7.22	1023	5.10	5.33	---	6.7	7.7	8.7	10.2	12.2	14.2
1.14	3.8	4.4	3061	6.16	7.14	1530	4.02	4.57	1014	2.94	3.39	7.2	9.7	10.7	11.7	13.2	15.2	17.2
1.15	5.0	5.8	3047	9.12	9.97	1523	6.05	6.38	1010	4.40	4.70	---	7.7	8.7	9.7	11.2	13.2	15.2
1.15	3.6	4.2	3041	5.62	6.65	1521	3.67	4.27	1008	2.69	3.17	7.5	10.0	11.0	12.0	13.5	15.5	17.5
				ARC-LENGTH CORRECTION FACTOR —>								**0.74**	**0.79**	**0.81**	**0.82**	**0.84**	**0.87**	**0.89**
1.16	6.0	7.0	3026	11.07	12.06	1513	7.65	7.80	1003	5.58	5.75	---	---	6.9	7.9	9.4	11.4	13.4
1.16	3.4	4.0	3021	5.07	6.15	1510	3.33	3.96	1001	2.45	2.95	7.8	10.3	11.3	12.3	13.8	15.8	17.8
1.16	4.6	5.4	3016	8.23	9.10	1508	5.40	5.80	999	3.93	4.28	5.8	8.3	9.3	10.3	11.8	13.8	15.8
1.17	3.2	3.8	2998	4.50	5.64	1499	2.98	3.65	993	2.20	2.72	8.1	10.7	11.7	12.7	14.2	16.2	18.2
1.18	3.0	3.6	2972	3.92	5.12	1486	2.62	3.34	985	1.95	2.50	8.5	11.0	12.0	13.0	14.5	16.5	18.5
1.18	4.0	4.8	2959	6.77	7.71	1480	4.40	4.92	981	3.21	3.64	6.7	9.2	10.2	11.2	12.7	14.7	16.7
1.19	5.0	6.0	2951	9.19	10.04	1476	6.09	6.41	978	4.43	4.73	---	7.5	8.5	9.5	11.0	13.0	15.0
1.19	3.8	4.6	2938	6.25	7.23	1469	4.06	4.62	974	2.97	3.42	7.0	9.5	10.5	11.5	13.0	15.1	17.1
1.21	3.4	4.2	2889	5.16	6.24	1444	3.37	4.01	957	2.48	2.98	7.7	10.2	11.2	12.2	13.7	15.7	17.7
1.22	5.2	6.4	2881	9.66	10.53	1440	6.44	6.73	955	4.68	4.96	---	7.0	8.0	9.0	10.5	12.5	14.5
1.23	4.0	5.0	2849	6.84	7.78	1425	4.44	4.95	944	3.23	3.66	6.6	9.1	10.1	11.1	12.6	14.6	16.6
1.23	5.6	7.0	2836	10.48	11.39	1418	7.09	7.31	940	5.16	5.38	---	6.2	7.2	8.2	9.7	11.7	13.7
1.24	3.0	3.8	2830	4.02	5.21	1415	2.67	3.38	938	1.98	2.53	8.3	10.8	11.8	12.8	14.3	16.3	18.3
1.24	3.8	4.8	2824	6.32	7.30	1412	4.10	4.65	936	2.99	3.44	6.9	9.4	10.4	11.4	12.9	14.9	16.9
1.24	4.6	5.8	2820	8.36	9.23	1410	5.47	5.87	935	3.97	4.33	5.5	8.0	9.0	10.0	11.5	13.5	15.5
1.25	5.2	6.6	2798	9.71	10.57	1399	6.46	6.75	927	4.70	4.97	---	6.9	7.9	8.9	10.4	12.4	14.4
1.26	4.2	5.4	2773	7.40	8.31	1387	4.80	5.28	919	3.50	3.90	6.1	8.6	9.6	10.6	12.1	14.1	16.1
1.27	6.4	8.2	2766	11.86	12.98	1383	8.35	8.44	917	6.10	6.22	---	---	---	---	8.1	10.1	12.2
1.27	4.8	6.2	2755	8.86	9.72	1378	5.82	6.18	913	4.23	4.55	---	7.5	8.5	9.5	11.0	13.0	15.0
1.28	4.6	6.0	2732	8.41	9.28	1366	5.49	5.89	905	3.99	4.34	5.3	7.8	8.8	9.8	11.3	13.3	15.3
1.29	3.8	5.0	2719	6.38	7.36	1360	4.13	4.68	901	3.01	3.46	6.7	9.2	10.2	11.2	12.7	14.7	16.7
1.30	3.0	4.0	2701	4.09	5.28	1350	2.71	3.42	895	2.01	2.55	8.1	10.6	11.6	12.6	14.1	16.1	18.1
1.30	3.6	4.8	2689	5.84	6.87	1345	3.78	4.38	891	2.77	3.24	7.0	9.5	10.5	11.5	13.0	15.0	17.0
1.31	4.8	6.4	2674	8.90	9.76	1337	5.84	6.20	886	4.24	4.57	---	7.3	8.3	9.3	10.8	12.8	14.8
1.32	4.0	5.4	2652	6.95	7.89	1326	4.49	5.01	879	3.27	3.70	6.2	8.7	9.7	10.7	12.3	14.3	16.3
1.32	5.2	7.0	2646	9.79	10.65	1323	6.50	6.79	877	4.72	5.00	---	6.5	7.5	8.5	10.0	12.0	14.0
1.33	5.6	7.6	2623	10.59	11.50	1311	7.15	7.36	869	5.20	5.42	---	---	6.7	7.7	9.2	11.2	13.3
1.34	3.2	4.4	2621	4.72	5.86	1311	3.09	3.76	869	2.27	2.80	7.7	10.2	11.2	12.2	13.7	15.7	17.7
1.34	6.0	8.2	2603	11.31	12.31	1301	7.78	7.93	863	5.66	5.84	---	---	---	6.9	8.4	10.4	12.5
1.35	4.2	5.8	2594	7.49	8.40	1297	4.85	5.32	860	3.52	3.93	5.7	8.3	9.3	10.3	11.8	13.8	15.8
				ARC-LENGTH CORRECTION FACTOR —>								**0.74**	**0.78**	**0.80**	**0.82**	**0.84**	**0.87**	**0.89**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

A S-L CLASSIC | **AX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	A48 AX48	A51 AX51	A53 AX53	A55 AX55	A60 AX60	A64 AX64	A66 AX66	A68 AX68	A71 AX71	A75 AX75	A78 AX78	A80 AX80	A85 AX85	A90 AX90	A96 AX96	A105 AX105	A112 AX112	A120 AX120	A128 AX128
1.00	19.9	21.4	22.4	23.4	25.9	27.9	28.9	29.9	31.4	33.4	34.9	35.9	38.4	40.9	43.9	48.4	51.9	55.9	59.9
1.00	19.3	20.8	21.8	22.8	25.3	27.3	28.3	29.3	30.8	32.8	34.3	35.3	37.8	40.3	43.3	47.8	51.3	55.3	59.3
1.00	18.7	20.2	21.2	22.2	24.7	26.7	27.7	28.7	30.2	32.2	33.7	34.7	37.2	39.7	42.7	47.2	50.7	54.7	58.7
1.00	18.1	19.6	20.6	21.6	24.1	26.1	27.1	28.1	29.6	31.6	33.1	34.1	36.6	39.1	42.1	46.6	50.1	54.1	58.1
1.00	17.4	18.9	19.9	20.9	23.4	25.4	26.4	27.4	28.9	30.9	32.4	33.4	35.9	38.4	41.4	45.9	49.4	53.4	57.4
1.00	16.8	18.3	19.3	20.3	22.8	24.8	25.8	26.8	28.3	30.3	31.8	32.8	35.3	37.8	40.8	45.3	48.8	52.8	56.8
1.00	16.5	18.0	19.0	20.0	22.5	24.5	25.5	26.5	28.0	30.0	31.5	32.5	35.0	37.5	40.5	45.0	48.5	52.5	56.5
1.00	15.2	16.7	17.7	18.7	21.2	23.2	24.2	25.2	26.7	28.7	30.2	31.2	33.7	36.2	39.2	43.7	47.2	51.2	55.2
1.00	13.7	15.2	16.2	17.2	19.7	21.7	22.7	23.7	25.2	27.2	28.7	29.7	32.2	34.7	37.7	42.2	45.7	49.7	53.7
1.03	15.7	17.2	18.2	19.2	21.7	23.7	24.7	25.7	27.2	29.2	30.7	31.7	34.2	36.7	39.7	44.2	47.7	51.7	55.7
1.04	16.6	18.1	19.1	20.1	22.6	24.6	25.6	26.6	28.1	30.1	31.6	32.6	35.1	37.6	40.6	45.1	48.6	52.6	56.6
1.04	17.9	19.4	20.4	21.4	23.9	25.9	26.9	27.9	29.4	31.4	32.9	33.9	36.4	38.9	41.9	46.4	49.9	53.9	57.9
1.05	18.8	20.3	21.3	22.3	24.8	26.8	27.8	28.8	30.3	32.3	33.8	34.8	37.3	39.8	42.8	47.3	50.8	54.8	58.8
1.06	19.8	21.3	22.3	23.3	25.8	27.8	28.8	29.8	31.3	33.3	34.8	35.8	38.3	40.8	43.8	48.3	51.8	55.8	59.8
1.06	14.9	16.4	17.4	18.4	20.9	22.9	23.9	24.9	26.4	28.4	29.9	30.9	33.4	35.9	38.9	43.4	46.9	50.9	54.9
1.07	16.2	17.7	18.7	19.7	22.2	24.2	25.2	26.2	27.7	29.7	31.2	32.2	34.7	37.2	40.2	44.7	48.2	52.2	56.2
1.08	17.1	18.6	19.6	20.6	23.1	25.1	26.1	27.1	28.6	30.6	32.1	33.1	35.6	38.1	41.1	45.6	49.1	53.1	57.1
1.09	18.1	19.6	20.6	21.6	24.1	26.1	27.1	28.1	29.6	31.6	33.1	34.1	36.6	39.1	42.1	46.6	50.1	54.1	58.1
1.09	14.8	16.3	17.3	18.3	20.8	22.8	23.8	24.8	26.3	28.3	29.8	30.8	33.3	35.8	38.8	43.3	46.8	50.8	54.8
1.10	15.4	16.9	17.9	18.9	21.4	23.4	24.4	25.4	26.9	28.9	30.4	31.4	33.9	36.4	39.4	43.9	47.4	51.4	55.4
1.10	18.7	20.2	21.2	22.2	24.7	26.7	27.7	28.7	30.2	32.2	33.7	34.7	37.2	39.7	42.7	47.2	50.7	54.7	58.7
1.11	16.0	17.5	18.5	19.5	22.0	24.0	25.0	26.0	27.5	29.5	31.0	32.0	34.5	37.0	40.0	44.5	48.0	52.0	56.0
1.11	19.3	20.8	21.8	22.8	25.3	27.3	28.3	29.3	30.8	32.8	34.3	35.3	37.8	40.3	43.3	47.8	51.3	55.3	59.3
1.12	16.6	18.1	19.1	20.1	22.6	24.6	25.6	26.6	28.1	30.1	31.6	32.6	35.1	37.6	40.6	45.1	48.6	52.6	56.6
1.12	19.6	21.1	22.1	23.1	25.6	27.6	28.6	29.6	31.1	33.1	34.6	35.6	38.1	40.6	43.6	48.1	51.6	55.6	59.6
1.13	17.6	19.1	20.1	21.1	23.6	25.6	26.6	27.6	29.1	31.1	32.6	33.6	36.1	38.6	41.6	46.1	49.6	53.6	57.6
1.13	15.2	16.7	17.7	18.7	21.2	23.2	24.2	25.2	26.7	28.7	30.2	31.2	33.7	36.2	39.2	43.7	47.2	51.2	55.2
1.14	18.2	19.7	20.7	21.7	24.2	26.2	27.2	28.2	29.7	31.7	33.2	34.2	36.7	39.2	42.2	46.7	50.2	54.2	58.2
1.15	16.2	17.7	18.7	19.7	22.2	24.2	25.2	26.2	27.7	29.7	31.2	32.2	34.7	37.2	40.2	44.7	48.2	52.2	56.2
1.15	18.5	20.0	21.0	22.0	24.5	26.5	27.5	28.5	30.0	32.0	33.5	34.5	37.0	39.5	42.5	47.0	50.5	54.5	58.5
	0.90	**0.92**	**0.93**	**0.94**	**0.96**	**0.97**	**0.99**	**1.00**	**1.01**	**1.02**	**1.03**	**1.04**	**1.06**	**1.07**	**1.09**	**1.12**	**1.13**	**1.15**	**1.17**
1.16	14.4	15.9	16.9	17.9	20.4	22.4	23.4	24.4	25.9	27.9	29.4	30.4	32.9	35.4	38.4	42.9	46.4	50.4	54.4
1.16	18.8	20.3	21.3	22.3	24.8	26.8	27.8	28.8	30.3	32.3	33.8	34.8	37.3	39.8	42.8	47.3	50.8	54.8	58.8
1.16	16.8	18.3	19.3	20.3	22.8	24.8	25.8	26.8	28.3	30.3	31.8	32.8	35.3	37.8	40.8	45.3	48.8	52.8	56.8
1.17	19.2	20.7	21.7	22.7	25.2	27.2	28.2	29.2	30.7	32.7	34.2	35.2	37.7	40.2	43.2	47.7	51.2	55.2	59.2
1.18	19.5	21.0	22.0	23.0	25.5	27.5	28.5	29.5	31.0	33.0	34.5	35.5	38.0	40.5	43.5	48.0	51.5	55.5	59.5
1.18	17.7	19.2	20.2	21.2	23.7	25.7	26.7	27.7	29.2	31.2	32.7	33.7	36.2	38.7	41.7	46.2	49.7	53.7	57.7
1.19	16.0	17.5	18.5	19.5	22.0	24.0	25.0	26.0	27.5	29.5	31.0	32.0	34.5	37.0	40.0	44.5	48.0	52.0	56.0
1.19	18.1	19.6	20.6	21.6	24.1	26.1	27.1	28.1	29.6	31.6	33.1	34.1	36.6	39.1	42.1	46.6	50.1	54.1	58.1
1.21	18.7	20.2	21.2	22.2	24.7	26.7	27.7	28.7	30.2	32.2	33.7	34.7	37.2	39.7	42.7	47.2	50.7	54.7	58.7
1.22	15.5	17.0	18.0	19.0	21.5	23.5	24.5	25.5	27.0	29.0	30.5	31.5	34.0	36.5	39.5	44.0	47.5	51.5	55.5
1.23	17.6	19.1	20.1	21.1	23.6	25.6	26.6	27.6	29.1	31.1	32.6	33.6	36.1	38.6	41.6	46.1	49.6	53.6	57.6
1.23	14.7	16.2	17.2	18.2	20.7	22.7	23.7	24.7	26.2	28.3	29.8	30.8	33.3	35.8	38.8	43.3	46.8	50.8	54.8
1.24	19.3	20.8	21.8	22.8	25.3	27.3	28.3	29.3	30.8	32.8	34.3	35.3	37.8	40.3	43.3	47.8	51.3	55.3	59.3
1.24	17.9	19.4	20.4	21.4	23.9	25.9	26.9	27.9	29.4	31.4	32.9	33.9	36.4	38.9	41.9	46.4	49.9	53.9	57.9
1.24	16.5	18.0	19.0	20.0	22.5	24.5	25.5	26.5	28.0	30.0	31.5	32.5	35.0	37.5	40.5	45.0	48.5	52.5	56.5
1.25	15.4	16.9	17.9	18.9	21.4	23.4	24.4	25.4	26.9	28.9	30.4	31.4	33.9	36.4	39.4	43.9	47.4	51.4	55.4
1.26	17.1	18.6	19.6	20.6	23.1	25.1	26.1	27.1	28.6	30.6	32.1	33.1	35.6	38.1	41.1	45.6	49.1	53.1	57.1
1.27	13.2	14.7	15.7	16.7	19.2	21.2	22.2	23.2	24.7	26.7	28.2	29.2	31.7	34.2	37.2	41.7	45.2	49.2	53.2
1.27	16.0	17.5	18.5	19.5	22.0	24.0	25.0	26.0	27.5	29.5	31.0	32.0	34.5	37.0	40.0	44.5	48.0	52.0	56.0
1.28	16.3	17.8	18.8	19.8	22.3	24.3	25.3	26.3	27.8	29.8	31.3	32.3	34.8	37.3	40.3	44.8	48.3	52.3	56.3
1.29	17.7	19.2	20.2	21.2	23.7	25.7	26.7	27.7	29.2	31.2	32.7	33.7	36.2	38.7	41.7	46.2	49.7	53.7	57.7
1.30	19.1	20.6	21.6	22.6	25.2	27.2	28.2	29.2	30.7	32.7	34.2	35.2	37.7	40.2	43.2	47.7	51.2	55.2	59.2
1.30	18.0	19.5	20.5	21.5	24.0	26.0	27.0	28.0	29.5	31.6	33.1	34.1	36.6	39.1	42.1	46.6	50.1	54.1	58.1
1.31	15.8	17.3	18.3	19.3	21.8	23.8	24.8	25.8	27.3	29.3	30.8	31.8	34.3	36.8	39.8	44.4	47.9	51.9	55.9
1.32	17.3	18.8	19.8	20.8	23.3	25.3	26.3	27.3	28.8	30.8	32.3	33.3	35.8	38.3	41.3	45.8	49.3	53.3	57.3
1.32	15.0	16.5	17.5	18.6	21.1	23.1	24.1	25.1	26.6	28.6	30.1	31.1	33.6	36.1	39.1	43.6	47.1	51.1	55.1
1.33	14.3	15.8	16.8	17.8	20.3	22.3	23.3	24.3	25.8	27.8	29.3	30.3	32.8	35.3	38.3	42.8	46.3	50.3	54.3
1.34	18.7	20.2	21.2	22.2	24.7	26.7	27.7	28.7	30.2	32.2	33.7	34.7	37.2	39.7	42.7	47.2	50.7	54.7	58.7
1.34	13.5	15.0	16.0	17.0	19.5	21.5	22.5	23.5	25.0	27.0	28.5	29.5	32.0	34.5	37.5	42.0	45.5	49.5	53.5
1.35	16.8	18.3	19.3	20.3	22.8	24.8	25.8	26.8	28.3	30.3	31.8	32.8	35.3	37.8	40.8	45.3	48.8	52.8	56.8
	0.90	**0.92**	**0.93**	**0.94**	**0.96**	**0.97**	**0.99**	**1.00**	**1.01**	**1.02**	**1.03**	**1.04**	**1.06**	**1.07**	**1.09**	**1.11**	**1.13**	**1.15**	**1.17**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

A S-L CLASSIC | **AX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance						
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		A26	A31	A33	A35	A38	A42	A46
	Driver	Driven	RPM	A	AX	RPM	A	AX	RPM	A	AX	AX26	AX31	AX33	AX35	AX38	AX42	AX46
1.36	3.0	4.2	2583	4.14	5.34	1291	2.73	3.44	856	2.02	2.57	8.0	10.5	11.5	12.5	14.0	16.0	18.0
1.36	4.6	6.4	2571	8.48	9.35	1285	5.53	5.93	852	4.01	4.37	---	7.5	8.5	9.5	11.0	13.0	15.0
1.37	5.0	7.0	2551	9.40	10.26	1276	6.19	6.52	846	4.50	4.80	---	6.7	7.7	8.7	10.2	12.2	14.2
1.38	3.8	5.4	2531	6.46	7.45	1266	4.17	4.72	839	3.04	3.49	6.4	8.9	9.9	10.9	12.4	14.4	16.4
1.38	6.4	9.0	2530	11.97	13.09	1265	8.41	8.49	838	6.13	6.25	---	---	---	---	7.4	9.5	11.5
1.40	4.6	6.6	2497	8.51	9.38	1249	5.54	5.94	828	4.02	4.38	---	7.3	8.3	9.3	10.8	12.8	14.8
1.40	3.6	5.2	2496	5.92	6.95	1248	3.82	4.42	827	2.79	3.27	6.7	9.2	10.2	11.2	12.7	14.7	16.7
1.41	3.0	4.4	2475	4.18	5.38	1237	2.75	3.47	820	2.04	2.58	7.8	10.3	11.3	12.3	13.8	15.8	17.8
1.42	4.8	7.0	2457	8.99	9.85	1228	5.88	6.25	814	4.27	4.60	---	6.8	7.8	8.8	10.3	12.3	14.3
1.43	5.6	8.2	2439	10.66	11.57	1220	7.18	7.40	808	5.22	5.44	---	---	---	7.2	8.7	10.7	12.8
1.44	4.2	6.2	2436	7.55	8.46	1218	4.88	5.35	807	3.54	3.95	5.4	7.9	8.9	9.9	11.4	13.4	15.5
1.45	3.2	4.8	2419	4.80	5.94	1209	3.13	3.80	802	2.30	2.82	7.3	9.8	10.8	11.8	13.3	15.3	17.4
1.47	3.0	4.6	2376	4.22	5.41	1188	2.77	3.48	787	2.05	2.60	7.6	10.2	11.2	12.2	13.7	15.7	17.7
1.48	3.8	5.8	2367	6.52	7.50	1184	4.20	4.75	785	3.06	3.51	6.0	8.6	9.6	10.6	12.1	14.1	16.1
1.48	4.6	7.0	2362	8.56	9.43	1181	5.56	5.97	783	4.04	4.39	---	6.9	8.0	9.0	10.5	12.5	14.5
1.50	4.0	6.2	2330	7.07	8.01	1165	4.55	5.07	772	3.31	3.74	5.5	8.1	9.1	10.1	11.6	13.6	15.6
1.50	3.2	5.0	2329	4.83	5.97	1164	3.14	3.81	772	2.31	2.83	7.2	9.7	10.7	11.7	13.2	15.2	17.2
1.53	3.4	5.4	2289	5.42	6.50	1144	3.50	4.14	759	2.56	3.07	6.7	9.2	10.2	11.2	12.7	14.7	16.7
1.53	3.0	4.8	2284	4.24	5.44	1142	2.78	3.50	757	2.06	2.60	7.5	10.0	11.0	12.0	13.5	15.5	17.5
1.54	5.2	8.2	2276	9.92	10.79	1138	6.57	6.86	754	4.77	5.04	---	---	6.5	7.5	9.0	11.0	13.0
1.55	4.0	6.4	2261	7.08	8.03	1131	4.56	5.08	749	3.32	3.74	5.4	7.9	8.9	9.9	11.4	13.4	15.4
1.56	3.2	5.2	2246	4.85	5.99	1123	3.15	3.82	744	2.32	2.84	7.0	9.5	10.5	11.5	13.0	15.0	17.0
1.57	5.6	9.0	2231	10.73	11.64	1116	7.21	7.43	740	5.24	5.46	---	---	---	---	8.0	10.0	12.1
1.59	3.0	5.0	2199	4.27	5.46	1099	2.79	3.51	729	2.06	2.61	7.3	9.8	10.8	11.8	13.3	15.3	17.3
1.59	4.0	6.6	2196	7.10	8.05	1098	4.57	5.08	728	3.32	3.75	---	7.7	8.7	9.7	11.3	13.3	15.3
1.59	5.0	8.2	2195	9.51	10.37	1097	6.25	6.58	727	4.53	4.84	---	---	6.6	7.6	9.1	11.2	13.2
1.60	3.6	6.0	2183	6.02	7.05	1092	3.87	4.47	724	2.82	3.30	6.0	8.5	9.5	10.5	12.1	14.1	16.1
1.61	4.2	7.0	2172	7.62	8.54	1086	4.91	5.39	720	3.57	3.97	---	7.2	8.2	9.3	10.8	12.8	14.8
1.61	3.2	5.4	2168	4.87	6.01	1084	3.16	3.83	718	2.32	2.85	6.8	9.3	10.3	11.3	12.9	14.9	16.9
1.65	3.0	5.2	2120	4.28	5.48	1060	2.80	3.52	703	2.07	2.62	7.1	9.7	10.7	11.7	13.2	15.2	17.2
				ARC-LENGTH CORRECTION FACTOR —>								**0.73**	**0.78**	**0.80**	**0.81**	**0.83**	**0.86**	**0.89**
1.65	3.6	6.2	2117	6.03	7.06	1059	3.88	4.47	702	2.83	3.31	5.8	8.4	9.4	10.4	11.9	13.9	15.9
1.66	4.8	8.2	2113	9.09	9.95	1057	5.93	6.29	700	4.30	4.63	---	---	6.7	7.8	9.3	11.3	13.3
1.67	3.8	6.6	2096	6.59	7.57	1048	4.23	4.79	695	3.08	3.53	5.3	7.9	8.9	9.9	11.4	13.4	15.4
1.68	5.2	9.0	2082	9.97	10.83	1041	6.59	6.88	690	4.78	5.06	---	---	---	6.7	8.3	10.3	12.4
1.69	3.4	6.0	2074	5.47	6.55	1037	3.53	4.16	687	2.58	3.08	6.1	8.7	9.7	10.7	12.2	14.2	16.2
1.71	3.0	5.4	2047	4.30	5.49	1023	2.81	3.52	678	2.08	2.62	7.0	9.5	10.5	11.5	13.0	15.0	17.0
1.72	6.0	10.6	2034	11.48	12.47	1017	7.86	8.01	674	5.72	5.89	---	---	---	---	---	8.3	10.4
1.72	4.6	8.2	2031	8.64	9.51	1016	5.60	6.01	673	4.07	4.42	---	---	6.9	7.9	9.4	11.5	13.5
1.74	3.4	6.2	2011	5.49	6.57	1005	3.53	4.17	666	2.59	3.09	5.9	8.5	9.5	10.5	12.0	14.0	16.1
1.77	3.8	7.0	1982	6.61	7.59	991	4.24	4.80	657	3.09	3.54	---	7.5	8.5	9.5	11.1	13.1	15.1
1.77	3.0	5.6	1978	4.31	5.51	989	2.82	3.53	656	2.08	2.63	6.8	9.3	10.3	11.3	12.8	14.8	16.8
1.79	3.4	6.4	1951	5.50	6.58	976	3.54	4.17	647	2.59	3.09	5.8	8.3	9.3	10.3	11.9	13.9	15.9
1.81	4.8	9.0	1933	9.12	9.98	966	5.95	6.31	641	4.31	4.64	---	---	---	7.0	8.6	10.6	12.6
1.82	4.0	7.6	1921	7.15	8.10	961	4.59	5.11	637	3.34	3.77	---	6.8	7.8	8.9	10.4	12.4	14.4
1.83	3.0	5.8	1914	4.32	5.52	957	2.82	3.53	634	2.08	2.63	6.6	9.1	10.1	11.2	12.7	14.7	16.7
1.84	5.6	10.6	1906	10.79	11.70	953	7.25	7.46	632	5.26	5.49	---	---	---	---	---	8.6	10.6
1.85	3.4	6.6	1895	5.51	6.58	948	3.54	4.18	628	2.59	3.09	5.6	8.1	9.2	10.2	11.7	13.7	15.7
1.87	4.2	8.2	1868	7.68	8.59	934	4.94	5.42	619	3.59	3.99	---	6.1	7.1	8.2	9.7	11.7	13.8
1.88	4.6	9.0	1858	8.67	9.53	929	5.62	6.02	616	4.07	4.43	---	---	---	7.1	8.7	10.7	12.8
1.89	3.0	6.0	1854	4.33	5.53	927	2.83	3.54	615	2.09	2.63	6.4	9.0	10.0	11.0	12.5	14.5	16.5
1.91	3.8	7.6	1833	6.63	7.62	917	4.25	4.81	608	3.10	3.55	---	6.9	8.0	9.0	10.5	12.6	14.6
1.95	3.0	6.2	1798	4.34	5.53	899	2.83	3.54	596	2.09	2.64	6.2	8.8	9.8	10.8	12.3	14.3	16.3
1.95	3.4	7.0	1793	5.52	6.60	896	3.55	4.18	594	2.60	3.10	5.2	7.8	8.8	9.8	11.3	13.4	15.4
1.96	4.0	8.2	1787	7.17	8.12	893	4.60	5.12	592	3.35	3.77	---	6.2	7.3	8.3	9.8	11.9	13.9
1.97	5.2	10.6	1779	10.01	10.88	889	6.61	6.90	590	4.80	5.07	---	---	---	---	---	8.8	10.9
2.00	6.4	13.2	1747	12.15	13.27	874	8.50	8.58	579	6.19	6.31	---	---	---	---	---	---	---
2.01	3.6	7.6	1746	6.09	7.12	873	3.91	4.50	579	2.85	3.33	---	7.1	8.1	9.1	10.7	12.7	14.7
2.01	3.0	6.4	1745	4.34	5.54	872	2.83	3.55	578	2.09	2.64	6.0	8.6	9.6	10.6	12.2	14.2	16.2
2.04	5.0	10.6	1715	9.59	10.45	857	6.29	6.62	568	4.56	4.86	---	---	---	---	---	9.0	11.0
2.05	3.8	8.2	1705	6.65	7.63	853	4.26	4.82	565	3.10	3.55	---	6.3	7.4	8.4	10.0	12.0	14.1
				ARC-LENGTH CORRECTION FACTOR —>								**0.73**	**0.78**	**0.80**	**0.81**	**0.83**	**0.86**	**0.89**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

A	S-L CLASSIC	AX	CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	A48 AX48	A51 AX51	A53 AX53	A55 AX55	A60 AX60	A64 AX64	A66 AX66	A68 AX68	A71 AX71	A75 AX75	A78 AX78	A80 AX80	A85 AX85	A90 AX90	A96 AX96	A105 AX105	A112 AX112	A120 AX120	A128 AX128
1.36	19.0	20.5	21.5	22.5	25.0	27.0	28.0	29.0	30.5	32.5	34.0	35.0	37.5	40.0	43.0	47.5	51.0	55.0	59.0
1.36	16.0	17.5	18.5	19.5	22.0	24.0	25.0	26.0	27.5	29.5	31.0	32.0	34.5	37.0	40.0	44.5	48.0	52.0	56.0
1.37	15.2	16.7	17.7	18.7	21.2	23.2	24.2	25.2	26.7	28.7	30.2	31.2	33.7	36.2	39.2	43.7	47.2	51.2	55.2
1.38	17.4	18.9	19.9	20.9	23.4	25.4	26.4	27.4	28.9	30.9	32.4	33.4	35.9	38.4	41.4	45.9	49.4	53.4	57.4
1.38	12.5	14.0	15.0	16.0	18.5	20.5	21.5	22.5	24.0	26.0	27.5	28.5	31.0	33.5	36.5	41.0	44.5	48.5	52.5
1.40	15.8	17.3	18.3	19.3	21.8	23.8	24.8	25.8	27.3	29.3	30.8	31.8	34.3	36.8	39.8	44.3	47.8	51.8	55.8
1.40	17.7	19.2	20.2	21.2	23.7	25.7	26.7	27.7	29.2	31.2	32.7	33.7	36.2	38.7	41.7	46.2	49.7	53.7	57.7
1.41	18.8	20.3	21.3	22.3	24.8	26.8	27.8	28.8	30.3	32.3	33.8	34.8	37.3	39.8	42.8	47.3	50.8	54.8	58.8
1.42	15.3	16.9	17.9	18.9	21.4	23.4	24.4	25.4	26.9	28.9	30.4	31.4	33.9	36.4	39.4	43.9	47.4	51.4	55.4
1.43	13.8	15.3	16.3	17.3	19.8	21.8	22.8	23.8	25.3	27.3	28.8	29.8	32.3	34.8	37.8	42.3	45.8	49.8	53.8
1.44	16.5	18.0	19.0	20.0	22.5	24.5	25.5	26.5	28.0	30.0	31.5	32.5	35.0	37.5	40.5	45.0	48.5	52.5	56.5
1.45	18.4	19.9	20.9	21.9	24.4	26.4	27.4	28.4	29.9	31.9	33.4	34.4	36.9	39.4	42.4	46.9	50.4	54.4	58.4
1.47	18.7	20.2	21.2	22.2	24.7	26.7	27.7	28.7	30.2	32.2	33.7	34.7	37.2	39.7	42.7	47.2	50.7	54.7	58.7
1.48	17.1	18.6	19.6	20.6	23.1	25.1	26.1	27.1	28.6	30.6	32.1	33.1	35.6	38.1	41.1	45.6	49.1	53.1	57.1
1.48	15.5	17.0	18.0	19.0	21.5	23.5	24.5	25.5	27.0	29.0	30.5	31.5	34.0	36.5	39.5	44.0	47.5	51.5	55.5
1.50	16.6	18.1	19.1	20.1	22.6	24.6	25.6	26.6	28.1	30.1	31.6	32.6	35.1	37.6	40.6	45.1	48.6	52.6	56.6
1.50	18.2	19.7	20.7	21.7	24.2	26.2	27.2	28.2	29.7	31.7	33.2	34.2	36.7	39.2	42.2	46.7	50.2	54.2	58.2
1.53	17.7	19.2	20.2	21.2	23.7	25.7	26.7	27.7	29.2	31.2	32.7	33.7	36.2	38.7	41.7	46.2	49.7	53.7	57.7
1.53	18.5	20.0	21.0	22.0	24.5	26.5	27.5	28.5	30.0	32.0	33.5	34.5	37.0	39.5	42.5	47.0	50.5	54.5	58.5
1.54	14.1	15.6	16.6	17.6	20.1	22.1	23.1	24.1	25.6	27.6	29.1	30.1	32.6	35.1	38.1	42.6	46.1	50.1	54.1
1.55	16.4	17.9	18.9	19.9	22.5	24.5	25.5	26.5	28.0	30.0	31.5	32.5	35.0	37.5	40.5	45.0	48.5	52.5	56.5
1.56	18.0	19.5	20.5	21.5	24.0	26.0	27.0	28.0	29.5	31.5	33.0	34.0	36.5	39.0	42.0	46.5	50.0	54.0	58.0
1.57	13.1	14.6	15.6	16.6	19.1	21.1	22.1	23.1	24.6	26.6	28.1	29.1	31.6	34.1	37.2	41.7	45.2	49.2	53.2
1.59	18.3	19.8	20.8	21.8	24.3	26.4	27.4	28.4	29.9	31.9	33.4	34.4	36.9	39.4	42.4	46.9	50.4	54.4	58.4
1.59	16.3	17.8	18.8	19.8	22.3	24.3	25.3	26.3	27.8	29.8	31.3	32.3	34.8	37.3	40.3	44.8	48.3	52.3	56.3
1.59	14.2	15.7	16.7	17.7	20.2	22.2	23.2	24.2	25.7	27.7	29.2	30.2	32.7	35.3	38.3	42.8	46.3	50.3	54.3
1.60	17.1	18.6	19.6	20.6	23.1	25.1	26.1	27.1	28.6	30.6	32.1	33.1	35.6	38.1	41.1	45.6	49.1	53.1	57.1
1.61	15.8	17.3	18.3	19.3	21.8	23.8	24.8	25.8	27.3	29.3	30.8	31.8	34.3	36.8	39.8	44.3	47.8	51.8	55.8
1.61	17.9	19.4	20.4	21.4	23.9	25.9	26.9	27.9	29.4	31.4	32.9	33.9	36.4	38.9	41.9	46.4	49.9	53.9	57.9
1.65	18.2	19.7	20.7	21.7	24.2	26.2	27.2	28.2	29.7	31.7	33.2	34.2	36.7	39.2	42.2	46.7	50.2	54.2	58.2
	0.90	**0.91**	**0.93**	**0.94**	**0.96**	**0.97**	**0.98**	**0.99**	**1.00**	**1.02**	**1.03**	**1.04**	**1.05**	**1.07**	**1.09**	**1.11**	**1.13**	**1.15**	**1.17**
1.65	16.9	18.4	19.4	20.4	22.9	24.9	25.9	26.9	28.4	30.4	31.9	32.9	35.4	37.9	40.9	45.4	48.9	52.9	56.9
1.66	14.3	15.9	16.9	17.9	20.4	22.4	23.4	24.4	25.9	27.9	29.4	30.4	32.9	35.4	38.4	42.9	46.4	50.4	54.4
1.67	16.4	17.9	18.9	19.9	22.4	24.4	25.4	26.4	28.0	30.0	31.5	32.5	35.0	37.5	40.5	45.0	48.5	52.5	56.5
1.68	13.4	14.9	15.9	16.9	19.4	21.4	22.4	23.4	24.9	26.9	28.4	29.4	31.9	34.5	37.5	42.0	45.5	49.5	53.5
1.69	17.2	18.7	19.7	20.7	23.2	25.2	26.2	27.2	28.7	30.7	32.2	33.2	35.7	38.2	41.3	45.8	49.3	53.3	57.3
1.71	18.0	19.5	20.5	21.5	24.0	26.0	27.0	28.0	29.5	31.5	33.0	34.0	36.5	39.0	42.0	46.5	50.0	54.0	58.0
1.72	11.4	12.9	13.9	14.9	17.5	19.5	20.5	21.5	23.0	25.0	26.5	27.5	30.0	32.5	35.5	40.1	43.6	47.6	51.6
1.72	14.5	16.0	17.0	18.0	20.5	22.5	23.5	24.5	26.0	28.0	29.5	30.5	33.1	35.6	38.6	43.1	46.6	50.6	54.6
1.74	17.1	18.6	19.6	20.6	23.1	25.1	26.1	27.1	28.6	30.6	32.1	33.1	35.6	38.1	41.1	45.6	49.1	53.1	57.1
1.77	16.1	17.6	18.6	19.6	22.1	24.1	25.1	26.1	27.6	29.6	31.1	32.1	34.6	37.1	40.1	44.6	48.1	52.1	56.1
1.77	17.9	19.4	20.4	21.4	23.9	25.9	26.9	27.9	29.4	31.4	32.9	33.9	36.4	38.9	41.9	46.4	49.9	53.9	57.9
1.79	16.9	18.4	19.4	20.4	22.9	24.9	25.9	26.9	28.4	30.4	31.9	32.9	35.4	37.9	40.9	45.4	48.9	52.9	56.9
1.81	13.7	15.2	16.2	17.2	19.7	21.7	22.7	23.7	25.2	27.2	28.7	29.7	32.2	34.8	37.8	42.3	45.8	49.8	53.8
1.82	15.4	16.9	18.0	19.0	21.5	23.5	24.5	25.5	27.0	29.0	30.5	31.5	34.0	36.5	39.5	44.0	47.5	51.5	55.5
1.83	17.7	19.2	20.2	21.2	23.7	25.7	26.7	27.7	29.2	31.2	32.7	33.7	36.2	38.7	41.7	46.2	49.7	53.7	57.7
1.84	11.7	13.2	14.2	15.2	17.8	19.8	20.8	21.8	23.3	25.3	26.8	27.8	30.3	32.8	35.8	40.4	43.9	47.9	51.9
1.85	16.7	18.2	19.2	20.2	22.7	24.7	25.8	26.8	28.3	30.3	31.8	32.8	35.3	37.8	40.8	45.3	48.8	52.8	56.8
1.87	14.8	16.3	17.3	18.3	20.8	22.8	23.8	24.8	26.3	28.3	29.8	30.9	33.4	35.9	38.9	43.4	46.9	50.9	54.9
1.88	13.8	15.3	16.3	17.3	19.9	21.9	22.9	23.9	25.4	27.4	28.9	29.9	32.4	34.9	37.9	42.4	45.9	49.9	53.9
1.89	17.5	19.0	20.0	21.0	23.5	25.5	26.5	27.5	29.0	31.0	32.6	33.6	36.1	38.6	41.6	46.1	49.6	53.6	57.6
1.91	15.6	17.1	18.1	19.1	21.6	23.6	24.6	25.6	27.1	29.1	30.6	31.6	34.1	36.7	39.7	44.2	47.7	51.7	55.7
1.95	17.4	18.9	19.9	20.9	23.4	25.4	26.4	27.4	28.9	30.9	32.4	33.4	35.9	38.4	41.4	45.9	49.4	53.4	57.4
1.95	16.4	17.9	18.9	19.9	22.4	24.4	25.4	26.4	27.9	29.9	31.4	32.4	34.9	37.4	40.4	44.9	48.5	52.5	56.5
1.96	14.9	16.4	17.4	18.5	21.0	23.0	24.0	25.0	26.5	28.5	30.0	31.0	33.5	36.0	39.0	43.5	47.0	51.0	55.0
1.97	11.9	13.5	14.5	15.5	18.0	20.1	21.1	22.1	23.6	25.6	27.1	28.1	30.6	33.1	36.1	40.7	44.2	48.2	52.2
2.00	---	10.2	11.3	12.3	14.9	16.9	17.9	19.0	20.5	22.5	24.0	25.0	27.6	30.1	33.1	37.6	41.1	45.1	49.1
2.01	15.7	17.2	18.2	19.3	21.8	23.8	24.8	25.8	27.3	29.3	30.8	31.8	34.3	36.8	39.8	44.3	47.8	51.8	55.8
2.01	17.2	18.7	19.7	20.7	23.2	25.2	26.2	27.2	28.7	30.7	32.2	33.2	35.7	38.2	41.2	45.7	49.2	53.2	57.2
2.04	12.1	13.6	14.6	15.7	18.2	20.2	21.2	22.2	23.7	25.8	27.3	28.3	30.8	33.3	36.3	40.8	44.3	48.3	52.3
2.05	15.1	16.6	17.6	18.6	21.1	23.1	24.1	25.1	26.6	28.6	30.1	31.2	33.7	36.2	39.2	43.7	47.2	51.2	55.2
	.89	**0.90**	**0.92**	**0.93**	**0.95**	**0.97**	**0.98**	**0.99**	**1.00**	**1.01**	**1.02**	**1.03**	**1.05**	**1.06**	**1.08**	**1.11**	**1.13**	**1.14**	**1.16**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

A S-L CLASSIC | **AX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance						
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		A26	A31	A33	A35	A38	A42	A46
	Driver	Driven	RPM	A	AX	RPM	A	AX	RPM	A	AX	AX26	AX31	AX33	AX35	AX38	AX42	AX46
2.07	3.0	6.6	1695	4.35	5.55	847	2.84	3.55	562	2.09	2.64	5.8	8.4	9.4	10.5	12.0	14.0	16.0
2.07	5.6	12.0	1691	10.82	11.73	845	7.26	7.48	560	5.27	5.50	---	---	---	---	---	---	9.3
2.11	3.4	7.6	1658	5.53	6.61	829	3.56	4.19	549	2.60	3.10	---	7.2	8.2	9.3	10.8	12.8	14.9
2.12	4.8	10.6	1651	9.15	10.01	826	5.96	6.33	547	4.32	4.65	---	---	---	---	7.0	9.1	11.2
2.13	6.0	13.2	1644	11.53	12.53	822	7.89	8.04	545	5.74	5.91	---	---	---	---	---	---	---
2.14	4.0	9.0	1634	7.19	8.13	817	4.61	5.13	542	3.35	3.78	---	---	6.5	7.5	9.1	11.2	13.2
2.16	3.6	8.2	1624	6.11	7.13	812	3.91	4.51	538	2.85	3.33	---	6.5	7.5	8.6	10.1	12.2	14.2
2.18	3.0	7.0	1603	4.36	5.55	801	2.84	3.55	531	2.09	2.64	5.4	8.1	9.1	10.1	11.6	13.7	15.7
2.20	4.6	10.6	1587	8.70	9.56	794	5.63	6.04	526	4.08	4.44	---	---	---	---	7.1	9.2	11.3
2.22	5.2	12.0	1578	10.03	10.90	789	6.62	6.91	523	4.80	5.08	---	---	---	---	---	---	9.5
2.23	3.2	7.6	1570	4.96	6.10	785	3.20	3.88	520	2.35	2.88	---	7.3	8.4	9.4	11.0	13.0	15.0
2.27	3.4	8.2	1542	5.55	6.62	771	3.56	4.20	511	2.60	3.11	---	6.6	7.7	8.7	10.3	12.3	14.3
2.30	5.0	12.0	1521	9.61	10.47	761	6.30	6.63	504	4.57	4.87	---	---	---	---	---	---	9.7
2.36	3.6	9.0	1485	6.12	7.15	743	3.92	4.51	492	2.86	3.33	---	---	6.7	7.8	9.4	11.4	13.5
2.36	3.0	7.6	1482	4.37	5.56	741	2.85	3.56	491	2.10	2.65	---	7.5	8.5	9.6	11.1	13.1	15.2
2.39	4.8	12.0	1464	9.17	10.03	732	5.97	6.34	485	4.33	4.66	---	---	---	---	---	---	9.8
2.40	3.2	8.2	1460	4.97	6.10	730	3.21	3.88	484	2.35	2.88	---	6.7	7.8	8.8	10.4	12.4	14.5
2.40	4.2	10.6	1460	7.72	8.63	730	4.96	5.44	484	3.60	4.00	---	---	---	---	7.3	9.5	11.6
2.43	5.2	13.2	1438	10.05	10.91	719	6.63	6.92	477	4.81	5.08	---	---	---	---	---	---	---
2.48	3.4	9.0	1410	5.55	6.63	705	3.57	4.20	467	2.61	3.11	---	---	6.8	7.9	9.5	11.6	13.6
2.49	4.6	12.0	1408	8.71	9.58	704	5.64	6.04	467	4.09	4.44	---	---	---	---	---	7.7	9.9
2.51	4.0	10.6	1396	7.21	8.15	698	4.62	5.14	463	3.36	3.79	---	---	---	---	7.5	9.6	11.7
2.52	5.0	13.2	1387	9.62	10.48	693	6.30	6.63	460	4.57	4.87	---	---	---	---	---	---	---
2.54	3.0	8.2	1379	4.38	5.57	689	2.85	3.56	457	2.10	2.65	---	6.9	7.9	9.0	10.5	12.6	14.6
2.57	5.6	15.0	1361	10.85	11.75	680	7.27	7.49	451	5.28	5.50	---	---	---	---	---	---	---
2.62	3.2	9.0	1336	4.98	6.11	668	3.21	3.89	443	2.36	2.88	---	5.9	7.0	8.1	9.6	11.7	13.8
2.62	4.8	13.2	1335	9.18	10.04	668	5.98	6.34	442	4.33	4.66	---	---	---	---	---	---	8.5
2.63	3.8	10.6	1332	6.68	7.66	666	4.28	4.83	442	3.11	3.56	---	---	---	---	7.6	9.8	11.9
2.67	5.6	15.6	1310	10.85	11.76	655	7.27	7.49	434	5.28	5.51	---	---	---	---	---	---	---
2.70	4.2	12.0	1295	7.73	8.65	647	4.97	5.45	429	3.60	4.01	---	---	---	---	---	8.0	10.2
				ARC-LENGTH CORRECTION FACTOR —>								**0.70**	**0.75**	**0.76**	**0.79**	**0.80**	**0.81**	**0.84**
2.71	6.4	18.0	1291	12.19	13.31	646	8.51	8.60	428	6.20	6.33	---	---	---	---	---	---	---
2.73	4.6	13.2	1284	8.72	9.59	642	5.64	6.05	425	4.09	4.45	---	---	---	---	---	---	8.6
2.76	3.6	10.6	1269	6.13	7.16	634	3.93	4.52	420	2.86	3.34	---	---	---	---	7.7	9.9	12.0
2.78	3.0	9.0	1261	4.38	5.58	631	2.85	3.56	418	2.10	2.65	---	6.0	7.1	8.2	9.8	11.9	13.9
2.83	4.0	12.0	1238	7.22	8.16	619	4.63	5.14	410	3.36	3.79	---	---	---	---	---	8.1	10.3
2.86	5.0	15.0	1224	9.63	10.49	612	6.31	6.64	406	4.57	4.88	---	---	---	---	---	---	---
2.88	6.0	18.0	1215	11.57	12.56	607	7.90	8.05	403	5.75	5.92	---	---	---	---	---	---	---
2.90	3.4	10.6	1205	5.57	6.65	602	3.57	4.21	399	2.61	3.11	---	---	---	---	7.8	10.0	12.1
2.96	3.8	12.0	1182	6.69	7.67	591	4.28	4.84	392	3.11	3.57	---	---	---	---	---	8.2	10.4
2.97	4.8	15.0	1179	9.19	10.05	589	5.98	6.34	391	4.33	4.66	---	---	---	---	---	---	---
3.07	3.2	10.6	1141	4.99	6.12	571	3.22	3.89	378	2.36	2.88	---	---	---	6.2	8.0	10.1	12.3
3.09	4.6	15.0	1133	8.72	9.59	567	5.65	6.05	376	4.09	4.45	---	---	---	---	---	---	---
3.10	4.0	13.2	1129	7.22	8.17	564	4.63	5.14	374	3.36	3.79	---	---	---	---	---	---	9.0
3.11	3.6	12.0	1125	6.14	7.17	563	3.93	4.52	373	2.86	3.34	---	---	---	---	---	8.3	10.6
3.13	6.0	19.6	1118	11.57	12.56	559	7.91	8.06	370	5.75	5.92	---	---	---	---	---	---	---
3.21	4.6	15.6	1091	8.73	9.60	545	5.65	6.05	362	4.10	4.45	---	---	---	---	---	---	---
3.25	3.0	10.6	1077	4.39	5.59	539	2.86	3.57	357	2.11	2.65	---	---	---	6.3	8.1	10.3	12.4
3.25	3.8	13.2	1077	6.69	7.67	539	4.28	4.84	357	3.11	3.57	---	---	---	---	---	---	9.1
3.29	5.2	18.0	1063	10.07	10.93	531	6.64	6.93	352	4.81	5.09	---	---	---	---	---	---	---
3.36	4.2	15.0	1042	7.74	8.66	521	4.97	5.45	345	3.61	4.01	---	---	---	---	---	---	---
3.41	3.6	13.2	1026	6.14	7.17	513	3.93	4.53	340	2.87	3.34	---	---	---	---	---	---	9.2
3.42	5.0	18.0	1024	9.64	10.50	512	6.31	6.64	340	4.58	4.88	---	---	---	---	---	---	---
3.46	3.2	12.0	1012	4.99	6.13	506	3.22	3.89	335	2.36	2.89	---	---	---	---	---	8.6	10.8
3.49	4.2	15.6	1003	7.75	8.66	502	4.97	5.45	332	3.61	4.01	---	---	---	---	---	---	---
3.51	4.0	15.0	997	7.23	8.17	498	4.63	5.15	330	3.36	3.79	---	---	---	---	---	---	---
3.55	4.8	18.0	986	9.19	10.05	493	5.98	6.35	327	4.34	4.66	---	---	---	---	---	---	---
3.58	5.2	19.6	977	10.07	10.93	489	6.64	6.93	324	4.81	5.09	---	---	---	---	---	---	---
3.59	3.4	13.2	974	5.58	6.66	487	3.58	4.21	323	2.62	3.12	---	---	---	---	---	---	9.3
3.65	4.0	15.6	959	7.23	8.17	480	4.63	5.15	318	3.36	3.79	---	---	---	---	---	---	---
3.66	3.0	12.0	956	4.40	5.59	478	2.86	3.57	317	2.11	2.65	---	---	---	---	---	8.7	11.0
				ARC-LENGTH CORRECTION FACTOR —>								**---**	**0.71**	**0.73**	**0.75**	**0.77**	**0.77**	**0.81**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

A S-L CLASSIC | **AX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	A48 AX48	A51 AX51	A53 AX53	A55 AX55	A60 AX60	A64 AX64	A66 AX66	A68 AX68	A71 AX71	A75 AX75	A78 AX78	A80 AX80	A85 AX85	A90 AX90	A96 AX96	A105 AX105	A112 AX112	A120 AX120	A128 AX128
2.07	17.0	18.5	19.5	20.5	23.0	25.0	26.1	27.1	28.6	30.6	32.1	33.1	35.6	38.1	41.1	45.6	49.1	53.1	57.1
2.07	10.3	11.9	12.9	14.0	16.5	18.6	19.6	20.6	22.1	24.1	25.6	26.6	29.2	31.7	34.7	39.2	42.7	46.7	50.7
2.11	15.9	17.4	18.4	19.4	21.9	23.9	24.9	25.9	27.4	29.4	30.9	31.9	34.5	37.0	40.0	44.5	48.0	52.0	56.0
2.12	12.2	13.8	14.8	15.8	18.3	20.4	21.4	22.4	23.9	25.9	27.4	28.4	30.9	33.4	36.4	41.0	44.5	48.5	52.5
2.13	---	10.5	11.5	12.6	15.2	17.2	18.2	19.2	20.8	22.8	24.3	25.3	27.8	30.4	33.4	37.9	41.4	45.4	49.4
2.14	14.2	15.7	16.8	17.8	20.3	22.3	23.3	24.3	25.8	27.8	29.3	30.3	32.8	35.4	38.4	42.9	46.4	50.4	54.4
2.16	15.2	16.7	17.7	18.7	21.3	23.3	24.3	25.3	26.8	28.8	30.3	31.3	33.8	36.3	39.3	43.8	47.3	51.3	55.3
2.18	16.7	18.2	19.2	20.2	22.7	24.7	25.7	26.7	28.2	30.2	31.7	32.7	35.2	37.7	40.8	45.3	48.8	52.8	56.8
2.20	12.4	13.9	14.9	15.9	18.5	20.5	21.5	22.5	24.0	26.0	27.6	28.6	31.1	33.6	36.6	41.1	44.6	48.6	52.6
2.22	10.6	12.2	13.2	14.2	16.8	18.8	19.9	20.9	22.4	24.4	25.9	26.9	29.5	32.0	35.0	39.5	43.0	47.0	51.0
2.23	16.0	17.5	18.5	19.5	22.1	24.1	25.1	26.1	27.6	29.6	31.1	32.1	34.6	37.1	40.1	44.6	48.1	52.1	56.1
2.27	15.4	16.9	17.9	18.9	21.4	23.4	24.4	25.4	26.9	28.9	30.4	31.5	34.0	36.5	39.5	44.0	47.5	51.5	55.5
2.30	10.7	12.3	13.3	14.4	16.9	19.0	20.0	21.0	22.5	24.6	26.1	27.1	29.6	32.1	35.1	39.7	43.2	47.2	51.2
2.36	14.5	16.0	17.0	18.1	20.6	22.6	23.6	24.6	26.1	28.1	29.6	30.6	33.1	35.7	38.7	43.2	46.7	50.7	54.7
2.36	16.2	17.7	18.7	19.7	22.2	24.2	25.2	26.2	27.7	29.7	31.2	32.2	34.8	37.3	40.3	44.8	48.3	52.3	56.3
2.39	10.9	12.4	13.5	14.5	17.1	19.1	20.1	21.2	22.7	24.7	26.2	27.2	29.7	32.3	35.3	39.8	43.3	47.3	51.3
2.40	15.5	17.0	18.0	19.0	21.6	23.6	24.6	25.6	27.1	29.1	30.6	31.6	34.1	36.6	39.6	44.1	47.6	51.6	55.6
2.40	12.6	14.2	15.2	16.2	18.8	20.8	21.8	22.8	24.3	26.3	27.8	28.9	31.4	33.9	36.9	41.4	44.9	48.9	52.9
2.43	9.4	11.0	12.0	13.1	15.7	17.8	18.8	19.8	21.3	23.4	24.9	25.9	28.4	30.9	34.0	38.5	42.0	46.0	50.0
2.48	14.6	16.2	17.2	18.2	20.7	22.7	23.8	24.8	26.3	28.3	29.8	30.8	33.3	35.8	38.8	43.3	46.8	50.8	54.8
2.49	11.0	12.6	13.6	14.7	17.2	19.3	20.3	21.3	22.8	24.8	26.4	27.4	29.9	32.4	35.4	39.9	43.5	47.5	51.5
2.51	12.8	14.3	15.3	16.4	18.9	20.9	21.9	23.0	24.5	26.5	28.0	29.0	31.5	34.0	37.0	41.6	45.1	49.1	53.1
2.52	9.5	11.1	12.2	13.2	15.8	17.9	18.9	19.9	21.5	23.5	25.0	26.0	28.6	31.1	34.1	38.6	42.2	46.2	50.2
2.54	15.6	17.2	18.2	19.2	21.7	23.7	24.7	25.7	27.2	29.2	30.7	31.8	34.3	36.8	39.8	44.3	47.8	51.8	55.8
2.57	---		9.9	11.0	13.7	15.8	16.8	17.9	19.4	21.5	23.0	24.0	26.6	29.1	32.1	36.7	40.2	44.2	48.3
2.62	14.8	16.3	17.3	18.3	20.9	22.9	23.9	24.9	26.4	28.4	29.9	30.9	33.4	36.0	39.0	43.5	47.0	51.0	55.0
2.62	9.6	11.2	12.3	13.4	16.0	18.0	19.1	20.1	21.6	23.6	25.2	26.2	28.7	31.2	34.3	38.8	42.3	46.3	50.3
2.63	12.9	14.4	15.5	16.5	19.0	21.1	22.1	23.1	24.6	26.6	28.1	29.1	31.7	34.2	37.2	41.7	45.2	49.2	53.2
2.67	---	---	---	---	13.1	15.2	16.2	17.3	18.8	20.9	22.5	23.5	26.0	28.6	31.6	36.2	39.7	43.7	47.7
2.70	11.3	12.8	13.9	14.9	17.5	19.5	20.6	21.6	23.1	25.1	26.6	27.7	30.2	32.7	35.7	40.2	43.8	47.8	51.8
	0.86	**0.88**	**0.89**	**0.90**	**0.93**	**0.94**	**0.96**	**0.97**	**0.99**	**1.00**	**1.01**	**1.02**	**1.04**	**1.05**	**1.07**	**1.10**	**1.12**	**1.14**	**1.16**
2.71	---	---	---	---	---	12.1	13.2	14.3	15.9	18.1	19.6	20.7	23.3	25.8	28.9	33.5	37.0	41.1	45.1
2.73	9.7	11.4	12.4	13.5	16.1	18.2	19.2	20.2	21.8	23.8	25.3	26.3	28.9	31.4	34.4	38.9	42.5	46.5	50.5
2.76	13.0	14.6	15.6	16.6	19.2	21.2	22.2	23.2	24.8	26.8	28.3	29.3	31.8	34.3	37.3	41.9	45.4	49.4	53.4
2.78	14.9	16.5	17.5	18.5	21.0	23.0	24.0	25.1	26.6	28.6	30.1	31.1	33.6	36.1	39.1	43.6	47.1	51.1	55.1
2.83	11.4	13.0	14.0	15.1	17.6	19.7	20.7	21.7	23.2	25.3	26.8	27.8	30.3	32.8	35.9	40.4	43.9	47.9	51.9
2.86	---	---	10.2	11.3	14.1	16.2	17.2	18.3	19.8	21.9	23.4	24.4	27.0	29.5	32.6	37.1	40.6	44.7	48.7
2.88	---	---	---	---	---	12.4	13.5	14.6	16.2	18.3	19.9	21.0	23.5	26.1	29.2	33.8	37.3	41.4	45.4
2.90	13.2	14.7	15.7	16.8	19.3	21.4	22.4	23.4	24.9	26.9	28.4	29.4	32.0	34.5	37.5	42.0	45.5	49.5	53.5
2.96	11.5	13.1	14.2	15.2	17.8	19.8	20.8	21.9	23.4	25.4	26.9	27.9	30.5	33.0	36.0	40.5	44.1	48.1	52.1
2.97	---	9.2	10.4	11.5	14.2	16.3	17.4	18.4	20.0	22.0	23.6	24.6	27.1	29.7	32.7	37.3	40.8	44.8	48.8
3.07	13.3	14.9	15.9	16.9	19.5	21.5	22.5	23.5	25.0	27.1	28.6	29.6	32.1	34.6	37.6	42.2	45.7	49.7	53.7
3.09	---	9.3	10.5	11.6	14.3	16.4	17.5	18.5	20.1	22.2	23.7	24.7	27.3	29.8	32.9	37.4	40.9	45.0	49.0
3.10	10.1	11.7	12.8	13.9	16.5	18.6	19.6	20.6	22.2	24.2	25.7	26.8	29.3	31.8	34.8	39.4	42.9	46.9	50.9
3.11	11.6	13.2	14.3	15.3	17.9	20.0	21.0	22.0	23.5	25.6	27.1	28.1	30.6	33.1	36.2	40.7	44.2	48.2	52.2
3.13	---	---	---	---	---	---	---	12.7	14.5	16.7	18.3	19.4	22.0	24.6	27.7	32.3	35.9	40.0	44.0
3.21	---	---	---	10.9	13.7	15.8	16.9	18.0	19.5	21.6	23.1	24.2	26.7	29.3	32.3	36.9	40.4	44.5	48.5
3.25	13.4	15.0	16.0	17.1	19.6	21.6	22.7	23.7	25.2	27.2	28.7	29.7	32.3	34.8	37.8	42.3	45.8	49.8	53.8
3.25	10.2	11.9	13.0	14.0	16.6	18.7	19.7	20.8	22.3	24.4	25.9	26.9	29.4	32.0	35.0	39.5	43.0	47.1	51.1
3.29	---	---	---	---	10.5	12.8	14.0	15.1	16.7	18.9	20.4	21.5	24.1	26.7	29.7	34.3	37.9	41.9	46.0
3.36	---	9.6	10.7	11.8	14.6	16.7	17.8	18.8	20.4	22.4	24.0	25.0	27.5	30.1	33.1	37.7	41.2	45.3	49.3
3.41	10.3	12.0	13.1	14.1	16.8	18.9	19.9	20.9	22.4	24.5	26.0	27.0	29.6	32.1	35.1	39.7	43.2	47.2	51.2
3.42	---	---	---	---	10.6	13.0	14.1	15.2	16.8	19.0	20.6	21.6	24.2	26.8	29.9	34.5	38.0	42.1	46.1
3.46	11.9	13.5	14.6	15.6	18.2	20.2	21.3	22.3	23.8	25.8	27.4	28.4	30.9	33.4	36.5	41.0	44.5	48.5	52.5
3.49	---	---	10.0	11.2	13.9	16.1	17.2	18.2	19.8	21.9	23.4	24.4	27.0	29.6	32.6	37.2	40.7	44.7	48.8
3.51	---	9.7	10.8	12.0	14.7	16.8	17.9	18.9	20.5	22.6	24.1	25.1	27.7	30.2	33.3	37.8	41.4	45.4	49.4
3.55	---	---	---	---	10.7	13.1	14.2	15.3	17.0	19.1	20.7	21.8	24.4	26.9	30.0	34.6	38.2	42.2	46.3
3.58	---	---	---	---	---	---	12.0	13.2	14.9	17.2	18.8	19.9	22.5	25.2	28.3	32.9	36.5	40.5	44.6
3.59	10.5	12.1	13.2	14.3	16.9	19.0	20.0	21.0	22.6	24.6	26.2	27.2	29.7	32.2	35.3	39.8	43.3	47.4	51.4
3.65	---	---	10.1	11.3	14.1	16.2	17.3	18.3	19.9	22.0	23.5	24.6	27.1	29.7	32.8	37.3	40.9	44.9	48.9
3.66	12.0	13.6	14.7	15.7	18.3	20.4	21.4	22.4	24.0	26.0	27.5	28.5	31.0	33.6	36.6	41.1	44.6	48.7	52.7
	0.83	**0.86**	**0.87**	**0.88**	**0.91**	**0.92**	**0.94**	**0.96**	**0.97**	**0.99**	**1.00**	**1.01**	**1.03**	**1.04**	**1.06**	**1.09**	**1.11**	**1.13**	**1.15**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

A S-L CLASSIC | **AX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance						
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		A26	A31	A33	A35	A38	A42	A46
	Driver	Driven	RPM	A	AX	RPM	A	AX	RPM	A	AX	AX26	AX31	AX33	AX35	AX38	AX42	AX46
3.69	4.6	18.0	948	8.73	9.60	474	5.65	6.05	314	4.10	4.45	---	---	---	---	---	---	---
3.71	5.0	19.6	942	9.64	10.50	471	6.31	6.64	312	4.58	4.88	---	---	---	---	---	---	---
3.79	3.2	13.2	923	4.99	6.13	461	3.22	3.89	306	2.36	2.89	---	---	---	---	---	---	9.5
3.82	3.8	15.6	916	6.70	7.68	458	4.28	4.84	303	3.12	3.57	---	---	---	---	---	---	---
3.86	3.6	15.0	906	6.15	7.17	453	3.93	4.53	300	2.87	3.34	---	---	---	---	---	---	---
3.92	6.0	24.6	894	11.58	12.57	447	7.91	8.06	296	5.75	5.92	---	---	---	---	---	---	---
4.01	4.2	18.0	872	7.75	8.66	436	4.98	5.45	289	3.61	4.01	---	---	---	---	---	---	9.6
4.02	3.0	13.2	871	4.40	5.59	436	2.86	3.57	289	2.11	2.66	---	---	---	---	---	---	---
4.07	3.4	15.0	860	5.58	6.66	430	3.58	4.21	285	2.62	3.12	---	---	---	---	---	---	---
4.20	4.0	18.0	834	7.23	8.18	417	4.63	5.15	276	3.36	3.79	---	---	---	---	---	---	---
4.23	3.4	15.6	828	5.58	6.66	414	3.58	4.21	274	2.62	3.12	---	---	---	---	---	---	---
4.30	3.2	15.0	815	5.00	6.13	407	3.22	3.90	270	2.36	2.89	---	---	---	---	---	---	---
4.36	4.2	19.6	802	7.75	8.66	401	4.98	5.46	266	3.61	4.01	---	---	---	---	---	---	---
4.40	3.8	18.0	796	6.70	7.68	398	4.29	4.84	264	3.12	3.57	---	---	---	---	---	---	---
4.46	3.2	15.6	784	5.00	6.13	392	3.22	3.90	260	2.36	2.89	---	---	---	---	---	---	---
					ARC-LENGTH CORRECTION FACTOR —>							---	---	---	---	---	---	0.76
4.48	5.2	24.6	782	10.07	10.94	391	6.64	6.93	259	4.82	5.09	---	---	---	---	---	---	---
4.55	3.0	15.0	769	4.40	5.60	385	2.86	3.57	255	2.11	2.66	---	---	---	---	---	---	---
4.56	4.0	19.6	767	7.23	8.18	384	4.63	5.15	254	3.37	3.79	---	---	---	---	---	---	---
4.62	3.6	18.0	758	6.15	7.18	379	3.94	4.53	251	2.87	3.35	---	---	---	---	---	---	---
4.64	5.0	24.6	754	9.65	10.51	377	6.32	6.64	250	4.58	4.88	---	---	---	---	---	---	---
4.73	3.0	15.6	740	4.40	5.60	370	2.86	3.57	245	2.11	2.66	---	---	---	---	---	---	---
4.78	3.8	19.6	732	6.70	7.68	366	4.29	4.84	243	3.12	3.57	---	---	---	---	---	---	---
4.82	4.8	24.6	726	9.20	10.06	363	5.99	6.35	241	4.34	4.67	---	---	---	---	---	---	---
4.86	3.4	18.0	720	5.58	6.66	360	3.58	4.22	239	2.62	3.12	---	---	---	---	---	---	---
5.01	5.6	29.6	698	10.87	11.78	349	7.29	7.50	231	5.29	5.51	---	---	---	---	---	---	---
5.02	3.6	19.6	697	6.15	7.18	349	3.94	4.53	231	2.87	3.35	---	---	---	---	---	---	---
5.13	3.2	18.0	682	5.00	6.14	341	3.22	3.90	226	2.36	2.89	---	---	---	---	---	---	---
5.29	3.4	19.6	662	5.58	6.66	331	3.58	4.22	219	2.62	3.12	---	---	---	---	---	---	---
5.37	5.2	29.6	651	10.08	10.94	326	6.64	6.93	216	4.82	5.09	---	---	---	---	---	---	---
5.44	3.0	18.0	644	4.40	5.60	322	2.86	3.57	213	2.11	2.66	---	---	---	---	---	---	---
					ARC-LENGTH CORRECTION FACTOR —>							---	---	---	---	---	---	---
5.45	4.2	24.6	642	7.76	8.67	321	4.98	5.46	213	3.61	4.02	---	---	---	---	---	---	---
5.57	5.0	29.6	628	9.65	10.51	314	6.32	6.64	208	4.58	4.88	---	---	---	---	---	---	---
5.58	3.2	19.6	627	5.00	6.14	314	3.22	3.90	208	2.36	2.89	---	---	---	---	---	---	---
5.70	4.0	24.6	614	7.24	8.18	307	4.64	5.15	203	3.37	3.79	---	---	---	---	---	---	---
5.79	4.8	29.6	605	9.20	10.06	302	5.99	6.35	200	4.34	4.67	---	---	---	---	---	---	---
5.91	3.0	19.6	592	4.40	5.60	296	2.86	3.57	196	2.11	2.66	---	---	---	---	---	---	---
5.98	3.8	24.6	586	6.70	7.69	293	4.29	4.84	194	3.12	3.57	---	---	---	---	---	---	---
6.02	4.6	29.6	581	8.74	9.61	291	5.66	6.06	193	4.10	4.45	---	---	---	---	---	---	---
6.28	3.6	24.6	558	6.15	7.18	279	3.94	4.53	185	2.87	3.35	---	---	---	---	---	---	---
6.35	5.6	37.6	551	10.87	11.78	276	7.29	7.50	183	5.29	5.51	---	---	---	---	---	---	---
6.55	4.2	29.6	535	7.76	8.67	267	4.98	5.46	177	3.61	4.02	---	---	---	---	---	---	---
6.61	3.4	24.6	530	5.59	6.67	265	3.58	4.22	176	2.62	3.12	---	---	---	---	---	---	---
6.81	5.2	37.6	514	10.08	10.94	257	6.65	6.94	170	4.82	5.09	---	---	---	---	---	---	---
6.84	4.0	29.6	511	7.24	8.18	256	4.64	5.15	169	3.37	3.80	---	---	---	---	---	---	---
6.98	3.2	24.6	502	5.00	6.14	251	3.23	3.90	166	2.37	2.89	---	---	---	---	---	---	---
					ARC-LENGTH CORRECTION FACTOR —>							---	---	---	---	---	---	---
7.06	5.0	37.6	496	9.65	10.51	248	6.32	6.65	164	4.58	4.88	---	---	---	---	---	---	---
7.17	3.8	29.6	488	6.70	7.69	244	4.29	4.84	162	3.12	3.57	---	---	---	---	---	---	---
7.33	4.8	37.6	477	9.21	10.07	239	5.99	6.35	158	4.34	4.67	---	---	---	---	---	---	---
7.39	3.0	24.6	474	4.41	5.60	237	2.86	3.58	157	2.11	2.66	---	---	---	---	---	---	---
7.53	3.6	29.6	465	6.15	7.18	232	3.94	4.53	154	2.87	3.35	---	---	---	---	---	---	---
7.63	4.6	37.6	459	8.74	9.61	229	5.66	6.06	152	4.10	4.45	---	---	---	---	---	---	---
7.93	3.4	29.6	441	5.59	6.67	221	3.58	4.22	146	2.62	3.12	---	---	---	---	---	---	---
8.29	4.2	37.6	422	7.76	8.67	211	4.98	5.46	140	3.61	4.02	---	---	---	---	---	---	---
8.37	3.2	29.6	418	5.00	6.14	209	3.23	3.90	139	2.37	2.89	---	---	---	---	---	---	---
8.67	4.0	37.6	404	7.24	8.19	202	4.64	5.15	134	3.37	3.80	---	---	---	---	---	---	---
8.87	3.0	29.6	395	4.41	5.60	197	2.87	3.58	131	2.11	2.66	---	---	---	---	---	---	---
9.09	3.8	37.6	385	6.71	7.69	193	4.29	4.85	128	3.12	3.57	---	---	---	---	---	---	---
9.54	3.6	37.6	367	6.16	7.18	183	3.94	4.53	122	2.87	3.35	---	---	---	---	---	---	---
10.05	3.4	37.6	348	5.59	6.67	174	3.58	4.22	115	2.62	3.12	---	---	---	---	---	---	---
10.61	3.2	37.6	330	5.01	6.14	165	3.23	3.90	109	2.37	2.89	---	---	---	---	---	---	---
11.24	3.0	37.6	311	4.41	5.60	156	2.87	3.58	103	2.11	2.66	---	---	---	---	---	---	---
					ARC-LENGTH CORRECTION FACTOR —>							---	---	---	---	---	---	---

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

A S-L CLASSIC | **AX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																		
	A48 AX48	A51 AX51	A53 AX53	A55 AX55	A60 AX60	A64 AX64	A66 AX66	A68 AX68	A71 AX71	A75 AX75	A78 AX78	A80 AX80	A85 AX85	A90 AX90	A96 AX96	A105 AX105	A112 AX112	A120 AX120	A128 AX128
3.69	---	---	---	---	10.8	13.2	14.3	15.5	17.1	19.2	20.8	21.9	24.5	27.1	30.2	34.8	38.3	42.4	46.4
3.71	---	---	---	---	---	---	12.1	13.3	15.1	17.3	18.9	20.0	22.7	25.3	28.4	33.0	36.6	40.7	44.7
3.79	10.6	12.3	13.3	14.4	17.0	19.1	20.2	21.2	22.7	24.8	26.3	27.3	29.9	32.4	35.4	40.0	43.5	47.5	51.5
3.82	---	---	10.2	11.4	14.2	16.4	17.4	18.5	20.1	22.1	23.7	24.7	27.3	29.8	32.9	37.5	41.0	45.0	49.1
3.86	---	9.9	11.1	12.2	15.0	17.1	18.2	19.2	20.8	22.8	24.4	25.4	28.0	30.5	33.6	38.1	41.7	45.7	49.7
3.92	---	---	---	---	---	---	---	---	---	---	---	13.4	16.5	19.4	22.7	27.6	31.2	35.4	39.5
4.01	---	---	---	---	11.1	13.5	14.6	15.7	17.4	19.5	21.1	22.1	24.8	27.4	30.4	35.0	38.6	42.7	46.7
4.02	10.7	12.4	13.5	14.5	17.2	19.3	20.3	21.3	22.9	24.9	26.4	27.5	30.0	32.5	35.6	40.1	43.6	47.7	51.7
4.07	---	10.0	11.2	12.3	15.1	17.2	18.3	19.3	20.9	23.0	24.5	25.5	28.1	30.7	33.7	38.3	41.8	45.8	49.9
4.20	---	---	---	---	11.2	13.6	14.7	15.8	17.5	19.6	21.2	22.3	24.9	27.5	30.6	35.2	38.7	42.8	46.9
4.23	---	9.2	10.5	11.6	14.4	16.6	17.7	18.7	20.3	22.4	24.0	25.0	27.6	30.1	33.2	37.7	41.3	45.3	49.4
4.30	8.3	10.1	11.3	12.5	15.2	17.4	18.4	19.5	21.0	23.1	24.7	25.7	28.2	30.8	33.8	38.4	41.9	46.0	50.0
4.36	---	---	---	---	---	11.4	12.6	13.8	15.6	17.8	19.4	20.5	23.2	25.8	28.9	33.6	37.2	41.2	45.3
4.40	---	---	---	---	11.3	13.7	14.8	16.0	17.6	19.8	21.4	22.4	25.0	27.6	30.7	35.3	38.9	43.0	47.0
4.46	---	9.3	10.6	11.8	14.6	16.7	17.8	18.9	20.5	22.5	24.1	25.1	27.7	30.3	33.3	37.9	41.4	45.5	49.5
	0.78	**0.79**	**0.80**	**0.81**	**0.82**	**0.83**	**0.85**	**0.85**	**0.87**	**0.91**	**0.92**	**0.94**	**0.97**	**0.99**	**1.02**	**1.05**	**1.07**	**1.10**	**1.12**
4.48	---	---	---	---	---	---	---	---	---	---	12.5	13.9	17.0	19.9	23.2	28.1	31.8	35.9	40.1
4.55	8.4	10.3	11.4	12.6	15.3	17.5	18.5	19.6	21.2	23.2	24.8	25.8	28.4	30.9	34.0	38.6	42.1	46.1	50.2
4.56	---	---	---	---	---	11.5	12.7	13.9	15.7	17.9	19.6	20.7	23.3	26.0	29.1	33.7	37.3	41.4	45.5
4.62	---	---	---	---	11.4	13.8	15.0	16.1	17.7	19.9	21.5	22.5	25.2	27.8	30.9	35.5	39.0	43.1	47.1
4.64	---	---	---	---	---	---	---	---	---	---	12.6	14.0	17.1	20.0	23.4	28.2	31.9	36.1	40.2
4.73	---	9.4	10.7	11.9	14.7	16.9	17.9	19.0	20.6	22.7	24.2	25.3	27.8	30.4	33.5	38.0	41.6	45.6	49.6
4.78	---	---	---	---		11.6	12.9	14.1	15.8	18.1	19.7	20.8	23.5	26.1	29.2	33.9	37.4	41.5	45.6
4.82	---	---	---	---	---	---	---	---	---		12.7	14.1	17.2	20.1	23.5	28.3	32.0	36.2	40.4
4.86	---	---	---		11.5	13.9	15.1	16.2	17.9	20.0	21.6	22.7	25.3	27.9	31.0	35.6	39.2	43.2	47.3
5.01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16.7	22.3	26.3	30.7	35.0
5.02	---	---	---	---	---	11.7	13.0	14.2	15.9	18.2	19.8	20.9	23.6	26.2	29.3	34.0	37.6	41.7	45.7
5.13	---	---	---	---	11.7	14.1	15.2	16.3	18.0	20.1	21.7	22.8	25.4	28.0	31.1	35.7	39.3	43.4	47.4
5.29	---	---	---	---	---	11.8	13.1	14.3	16.1	18.3	20.0	21.0	23.7	26.4	29.5	34.1	37.7	41.8	45.9
5.37	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16.9	22.5	26.5	30.9	35.2
5.44	---	---	---	---	11.8	14.2	15.3	16.5	18.1	20.3	21.9	22.9	25.6	28.2	31.3	35.9	39.5	43.5	47.6
	0.78	**0.79**	**0.80**	**0.81**	**0.82**	**0.83**	**0.85**	**0.85**	**0.87**	**0.91**	**0.92**	**0.94**	**0.97**	**0.99**	**1.02**	**1.05**	**1.07**	**1.10**	**1.12**
5.45	---	---	---	---	---	---	---	---	---	---	13.1	14.4	17.6	20.5	23.9	28.7	32.4	36.6	40.8
5.57	---	---	---	---	---	11.9	13.2	14.4	16.2	18.4	---	---	---	---	17.1	22.6	26.7	31.1	35.3
5.58	---	---	---	---	---	---	---	---	---	---	20.1	21.2	23.8	26.5	29.6	34.3	37.9	42.0	46.0
5.70	---	---	---	---	---	---	---	---	---	---	13.2	14.6	17.7	20.6	24.0	28.9	32.6	36.8	40.9
5.79	---	---	---	---	---	---	---	---	---	---	---	---	---	---	17.2	22.8	26.8	31.2	35.5
5.91	---	---	---	---	---	12.1	13.3	14.5	16.3	18.6	20.2	21.3	24.0	26.6	29.8	34.4	38.0	42.1	46.2
5.98	---	---	---	---	---	---	---	---	---	---	13.3	14.7	17.8	20.7	24.1	29.0	32.7	36.9	41.0
6.02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	17.3	22.9	26.9	31.3	35.6
6.28	---	---	---	---	---	---	---	---	---	---	13.4	14.8	17.9	20.9	24.2	29.1	32.8	37.0	41.2
6.35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.5	25.8
6.55	---	---	---	---	---	---	---	---	---	---	---	---	---	---	17.5	23.1	27.1	31.6	35.9
6.61	---	---	---	---	---	---	---	---	---	---	13.5	14.9	18.1	21.0	24.4	29.2	33.0	37.2	41.3
6.81	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.7	26.0
6.84	---	---	---	---	---	---	---	---	---	---	---	---	---	---	17.6	23.3	27.3	31.7	36.0
6.98	---	---	---	---	---	---	---	---	---	---	13.6	15.0	18.2	21.1	24.5	29.4	33.1	37.3	41.4
	---	**---**	**---**	**---**	**---**	**0.76**	**0.76**	**0.78**	**0.83**	**0.87**	**0.89**	**0.91**	**0.94**	**0.97**	**1.00**	**1.04**	**1.06**	**1.09**	**1.11**
7.06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.8	26.1
7.17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	17.7	23.4	27.4	31.8	36.1
7.33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.9	26.2
7.39	---	---	---	---	---	---	---	---	---	11.3	13.7	15.1	18.3	21.2	24.6	29.5	33.2	37.4	41.6
7.53	---	---	---	---	---	---	---	---	---	---	---	---	---	---	17.9	23.5	27.5	31.9	36.3
7.63	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.1	26.4
7.93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18.0	23.6	27.6	32.1	36.4
8.29	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.3	26.6
8.37	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18.1	23.7	27.8	32.2	36.5
8.67	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.4	26.7
8.87	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18.2	23.9	27.9	32.3	36.6
9.09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.5	26.8
9.54	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.6	26.9
10.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.7	27.1
10.61	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.9	27.2
11.24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.0	27.3
	---	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**0.75**	**0.77**	**0.80**	**0.82**	**0.88**	**0.93**	**0.99**	**1.02**	**1.05**	**1.08**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

B S-L CLASSIC | **BX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance							
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		B35	B38	B42	B46	B51	B55	B60	B64
	Driver	Driven	RPM	B	BX	RPM	B	BX	RPM	B	BX	BX35	BX38	BX42	BX46	BX51	BX55	BX60	BX64
1.00	3.40	3.40	3500	1.41	7.30	1750	1.95	4.99	1160	1.67	3.74	13.1	14.6	16.6	18.6	21.1	23.1	25.6	27.6
1.00	3.80	3.80	3500	3.20	8.67	1750	3.07	5.90	1160	2.47	4.40	12.4	13.9	15.9	17.9	20.4	22.4	24.9	26.9
1.00	4.20	4.20	3500	4.88	9.94	1750	4.18	6.78	1160	3.26	5.05	11.8	13.3	15.3	17.3	19.8	21.8	24.3	26.3
1.00	4.60	4.60	3500	6.45	11.11	1750	5.26	7.65	1160	4.03	5.68	11.2	12.7	14.7	16.7	19.2	21.2	23.7	25.7
1.00	5.00	5.00	3500	7.90	12.17	1750	6.32	8.49	1160	4.80	6.31	10.6	12.1	14.1	16.1	18.6	20.6	23.1	25.1
1.00	5.20	5.20	3500	8.58	12.66	1750	6.84	8.90	1160	5.18	6.62	10.2	11.7	13.7	15.7	18.2	20.2	22.7	24.7
1.00	5.40	5.40	3500	9.23	13.12	1750	7.36	9.31	1160	5.56	6.92	9.9	11.4	13.4	15.4	17.9	19.9	22.4	24.4
1.00	5.60	5.60	3500	9.85	13.55	1750	7.87	9.71	1160	5.94	7.22	9.6	11.1	13.1	15.1	17.6	19.6	22.1	24.1
1.00	6.00	6.00	3500	10.97	14.33	1750	8.87	10.49	1160	6.68	7.82	9.0	10.5	12.5	14.5	17.0	19.0	21.5	23.5
1.00	6.40	6.40	3500	11.96	14.99	1750	9.85	11.26	1160	7.41	8.41	8.4	9.9	11.9	13.9	16.4	18.4	20.9	22.9
1.00	6.80	6.80	3500	12.80	15.51	1750	10.81	11.99	1160	8.14	8.99	7.7	9.2	11.2	13.2	15.7	17.7	20.2	22.2
1.00	7.40	7.40	3500	---	---	1750	12.19	13.06	1160	9.20	9.84	---	8.3	10.3	12.3	14.8	16.8	19.3	21.3
1.00	8.60	8.60	3500	---	---	1750	14.79	15.03	1160	11.27	11.47	---	---	---	10.4	12.9	14.9	17.4	19.4
1.00	9.40	9.40	3500	---	---	1750	16.38	16.22	1160	12.59	12.50	---	---	---	---	11.6	13.6	16.1	18.1
1.03	6.80	7.00	3405	13.01	15.72	1702	10.91	12.10	1128	8.20	9.06	7.6	9.1	11.1	13.1	15.6	17.6	20.1	22.1
1.03	6.00	6.20	3393	11.21	14.57	1697	8.99	10.61	1125	6.76	7.90	8.8	10.3	12.3	14.3	16.8	18.8	21.3	23.3
1.03	5.40	5.60	3383	9.49	13.38	1691	7.49	9.43	1121	5.65	7.01	9.8	11.3	13.3	15.3	17.8	19.8	22.3	24.3
1.04	5.20	5.40	3378	8.85	12.92	1689	6.98	9.03	1120	5.27	6.70	10.1	11.6	13.6	15.6	18.1	20.1	22.6	24.6
1.04	4.60	4.80	3364	6.75	11.40	1682	5.41	7.79	1115	4.13	5.78	11.0	12.5	14.5	16.5	19.0	21.0	23.5	25.5
1.04	4.20	4.40	3353	5.20	10.25	1676	4.34	6.94	1111	3.36	5.15	11.6	13.1	15.1	17.1	19.6	21.6	24.1	26.1
1.05	4.00	4.20	3346	4.38	9.64	1673	3.79	6.51	1109	2.97	4.83	12.0	13.5	15.5	17.5	20.0	22.0	24.5	26.5
1.05	3.60	3.80	3332	2.68	8.36	1666	2.69	5.62	1104	2.19	4.19	12.6	14.1	16.1	18.1	20.6	22.6	25.1	27.1
1.05	3.40	3.60	3323	1.79	7.68	1662	2.13	5.18	1101	1.79	3.87	12.9	14.4	16.4	18.4	20.9	22.9	25.4	27.4
1.06	6.40	6.80	3304	12.37	15.40	1652	10.06	11.46	1095	7.55	8.55	8.0	9.5	11.5	13.5	16.0	18.0	20.5	22.5
1.06	6.00	6.40	3293	11.41	14.77	1646	9.09	10.71	1091	6.82	7.97	8.7	10.2	12.2	14.2	16.7	18.7	21.2	23.2
1.07	5.60	6.00	3280	10.30	14.01	1640	8.10	9.94	1087	6.09	7.38	9.3	10.8	12.8	14.8	17.3	19.3	21.8	23.8
1.07	5.00	5.40	3257	8.40	12.67	1628	6.57	8.74	1079	4.97	6.47	10.2	11.7	13.7	15.7	18.2	20.2	22.7	24.7
1.08	7.40	8.00	3249	---	---	1624	12.45	13.32	1077	9.37	10.01	---	7.8	9.8	11.8	14.3	16.3	18.8	20.8
1.08	4.60	5.00	3239	6.99	11.64	1619	5.53	7.91	1073	4.21	5.86	10.9	12.4	14.4	16.4	18.9	20.9	23.4	25.4
1.09	8.60	9.40	3213	---	---	1607	15.08	15.32	1065	11.46	11.66	---	---	---	9.8	12.3	14.3	16.8	18.8
1.09	4.00	4.40	3206	4.65	9.91	1603	3.92	6.64	1063	3.06	4.92	11.8	13.3	15.3	17.3	19.8	21.8	24.3	26.3
1.09	6.00	6.60	3198	11.58	14.94	1599	9.17	10.79	1060	6.88	8.02	8.5	10.0	12.0	14.0	16.5	18.5	21.0	23.0
1.10	5.60	6.20	3180	10.48	14.19	1590	8.19	10.03	1054	6.15	7.43	9.1	10.6	12.6	14.6	17.1	19.1	21.6	23.6
1.10	3.60	4.00	3179	2.96	8.63	1589	2.83	5.76	1054	2.28	4.28	12.4	13.9	15.9	17.9	20.4	22.4	24.9	26.9
1.11	3.40	3.80	3163	2.07	7.96	1582	2.28	5.32	1048	1.89	3.96	12.7	14.2	16.2	18.2	20.7	22.7	25.2	27.2
ARC-LENGTH CORRECTION FACTOR —>												**0.76**	**0.78**	**0.81**	**0.83**	**0.86**	**0.88**	**0.90**	**0.92**
1.11	5.20	5.80	3159	9.25	13.33	1580	7.18	9.24	1047	5.41	6.84	9.8	11.3	13.3	15.3	17.8	19.8	22.3	24.3
1.12	4.60	5.20	3122	7.18	11.84	1561	5.63	8.01	1035	4.28	5.93	10.7	12.2	14.2	16.2	18.7	20.7	23.2	25.2
1.13	6.00	6.80	3109	11.72	15.08	1554	9.25	10.87	1030	6.93	8.07	8.3	9.8	11.8	13.8	16.3	18.3	20.8	22.8
1.13	4.20	4.80	3093	5.66	10.71	1547	4.57	7.17	1025	3.51	5.30	11.3	12.8	14.8	16.8	19.3	21.3	23.8	25.8
1.13	5.60	6.40	3086	10.63	14.34	1543	8.26	10.10	1023	6.20	7.48	9.0	10.5	12.5	14.5	17.0	19.0	21.5	23.5
1.14	5.40	6.20	3073	10.04	13.93	1537	7.76	9.71	1019	5.83	7.19	9.3	10.8	12.8	14.8	17.3	19.3	21.8	23.8
1.14	3.80	4.40	3059	4.03	9.49	1529	3.49	6.31	1014	2.74	4.67	12.0	13.5	15.5	17.5	20.0	22.0	24.5	26.5
1.15	5.00	5.80	3045	8.75	13.01	1523	6.74	8.91	1009	5.08	6.59	9.9	11.4	13.4	15.4	17.9	19.9	22.4	24.4
1.15	3.60	4.20	3039	3.17	8.85	1520	2.94	5.87	1007	2.35	4.36	12.3	13.8	15.8	17.8	20.3	22.3	24.8	26.8
1.15	7.40	8.60	3031	---	---	1516	12.63	13.49	1005	9.49	10.12	---	---	9.3	11.3	13.8	15.8	18.3	20.3
1.16	6.00	7.00	3024	11.85	15.21	1512	9.31	10.93	1002	6.97	8.11	8.2	9.7	11.7	13.7	16.2	18.2	20.7	22.7
1.16	3.40	4.00	3018	2.30	8.19	1509	2.39	5.43	1000	1.96	4.03	12.6	14.1	16.1	18.1	20.6	22.6	25.1	27.1
1.16	9.40	11.00	3007	---	---	1504	16.83	16.67	997	12.89	12.80	---	---	---	---	10.4	12.4	14.9	16.9
1.17	6.80	8.00	2998	13.71	16.43	1499	11.26	12.45	993	8.44	9.29	---	8.3	10.3	12.3	14.8	16.8	19.3	21.3
1.17	5.40	6.40	2982	10.17	14.06	1491	7.83	9.77	988	5.87	7.23	9.1	10.6	12.6	14.6	17.1	19.1	21.6	23.6
1.18	5.20	6.20	2966	9.54	13.61	1483	7.32	9.38	983	5.50	6.93	9.4	10.9	12.9	14.9	17.4	19.4	21.9	23.9
1.18	4.00	4.80	2957	5.02	10.28	1479	4.11	6.83	980	3.18	5.05	11.5	13.0	15.0	17.0	19.5	21.5	24.0	26.0
1.19	5.00	6.00	2950	8.88	13.15	1475	6.81	8.98	978	5.13	6.63	9.8	11.3	13.3	15.3	17.8	19.8	22.3	24.3
1.19	3.80	4.60	2935	4.19	9.66	1468	3.57	6.39	973	2.80	4.73	11.8	13.3	15.3	17.3	19.8	21.8	24.3	26.3
1.20	5.60	6.80	2913	10.87	14.58	1457	8.38	10.22	966	6.27	7.56	8.6	10.1	12.2	14.2	16.7	18.7	21.2	23.2
1.20	4.60	5.60	2913	7.48	12.13	1456	5.77	8.16	965	4.37	6.02	10.4	11.9	13.9	15.9	18.4	20.4	22.9	24.9
1.20	3.60	4.40	2912	3.34	9.02	1456	3.02	5.96	965	2.41	4.41	12.1	13.6	15.6	17.6	20.1	22.1	24.6	26.6
1.21	5.40	6.60	2897	10.27	14.16	1448	7.88	9.83	960	5.91	7.27	9.0	10.5	12.5	14.5	17.0	19.0	21.5	23.5
1.21	3.40	4.20	2886	2.47	8.36	1443	2.47	5.52	956	2.02	4.09	12.4	13.9	15.9	17.9	20.4	22.4	24.9	26.9
1.22	4.20	5.20	2871	5.96	11.01	1435	4.72	7.32	951	3.61	5.40	11.0	12.5	14.5	16.5	19.0	21.0	23.5	25.5
ARC-LENGTH CORRECTION FACTOR —>												**0.75**	**0.77**	**0.80**	**0.82**	**0.85**	**0.87**	**0.89**	**0.90**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

B S-L CLASSIC | **BX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	B68 BX68	B75 BX75	B81 BX81	B85 BX85	B90 BX90	B97 BX97	B105 BX105	B112 BX112	B120 BX120	B128 BX128	B144 BX144	B158 BX158	B173 BX173	B180 BX180	B195 BX195	B210 BX210	B240 BX240	B270 BX270
1.00	29.6	33.1	36.1	38.1	40.6	44.1	48.1	51.6	55.6	59.6	67.6	74.6	82.1	85.6	93.1	100.6	114.8	129.8
1.00	28.9	32.4	35.4	37.4	39.9	43.4	47.4	50.9	54.9	58.9	66.9	73.9	81.4	84.9	92.4	99.9	114.2	129.2
1.00	28.3	31.8	34.8	36.8	39.3	42.8	46.8	50.3	54.3	58.3	66.3	73.3	80.8	84.3	91.8	99.3	113.6	128.6
1.00	27.7	31.2	34.2	36.2	38.7	42.2	46.2	49.7	53.7	57.7	65.7	72.7	80.2	83.7	91.2	98.7	112.9	127.9
1.00	27.1	30.6	33.5	35.5	38.0	41.5	45.5	49.0	53.0	57.0	65.0	72.0	79.5	83.0	90.5	98.0	112.3	127.3
1.00	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	56.7	64.7	71.7	79.2	82.7	90.2	97.7	112.0	127.0
1.00	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	56.4	64.4	71.4	78.9	82.4	89.9	97.4	111.7	126.7
1.00	26.1	29.6	32.6	34.6	37.1	40.6	44.6	48.1	52.1	56.1	64.1	71.1	78.6	82.1	89.6	97.1	111.4	126.4
1.00	25.5	29.0	32.0	34.0	36.5	40.0	44.0	47.5	51.5	55.5	63.5	70.5	78.0	81.5	89.0	96.5	110.7	125.7
1.00	24.9	28.4	31.4	33.4	35.9	39.4	43.4	46.9	50.9	54.9	62.9	69.9	77.4	80.9	88.4	95.9	110.1	125.1
1.00	24.2	27.7	30.7	32.7	35.2	38.7	42.7	46.2	50.2	54.2	62.2	69.2	76.7	80.2	87.7	95.2	109.5	124.5
1.00	23.3	26.8	29.8	31.8	34.3	37.8	41.8	45.3	49.3	53.3	61.3	68.3	75.8	79.3	86.8	94.3	108.5	123.5
1.00	21.4	24.9	27.9	29.9	32.4	35.9	39.9	43.4	47.4	51.4	59.4	66.4	73.9	77.4	84.9	92.4	106.6	121.6
1.00	20.1	23.6	26.6	28.6	31.1	34.6	38.6	42.1	46.1	50.1	58.1	65.1	72.6	76.1	83.6	91.1	105.4	120.4
1.03	24.1	27.6	30.6	32.6	35.1	38.6	42.6	46.1	50.1	54.1	62.1	69.1	76.6	80.1	87.6	95.1	109.3	124.3
1.03	25.3	28.8	31.8	33.8	36.3	39.8	43.8	47.3	51.3	55.3	63.3	70.3	77.8	81.3	88.8	96.3	110.6	125.6
1.03	26.3	29.8	32.8	34.8	37.3	40.8	44.8	48.3	52.3	56.3	64.3	71.3	78.8	82.3	89.8	97.3	111.5	126.5
1.04	26.6	30.1	33.1	35.1	37.6	41.1	45.1	48.6	52.6	56.6	64.6	71.6	79.1	82.6	90.1	97.6	111.8	126.8
1.04	27.5	31.0	34.0	36.0	38.5	42.0	46.0	49.5	53.5	57.5	65.5	72.5	80.0	83.5	91.0	98.5	112.8	127.8
1.04	28.1	31.6	34.6	36.6	39.1	42.6	46.6	50.1	54.1	58.1	66.1	73.1	80.6	84.1	91.6	99.1	113.4	128.4
1.05	28.5	32.0	35.0	37.0	39.5	43.0	47.0	50.5	54.5	58.5	66.5	73.5	81.0	84.5	92.0	99.5	113.7	128.7
1.05	29.1	32.6	35.6	37.6	40.1	43.6	47.6	51.1	55.1	59.1	67.1	74.1	81.6	85.1	92.6	100.1	114.3	129.3
1.05	29.4	32.9	35.9	37.9	40.4	43.9	47.9	51.4	55.4	59.4	67.4	74.4	81.9	85.4	92.9	100.4	114.7	129.7
1.06	24.5	28.0	31.0	33.0	35.5	39.0	43.0	46.5	50.5	54.5	62.5	69.5	77.0	80.5	88.0	95.5	109.8	124.8
1.06	25.2	28.7	31.7	33.7	36.2	39.7	43.7	47.2	51.2	55.2	63.2	70.2	77.7	81.2	88.7	96.2	110.4	125.4
1.07	25.8	29.3	32.3	34.3	36.8	40.3	44.3	47.8	51.8	55.8	63.8	70.8	78.3	81.8	89.3	96.8	111.0	126.0
1.07	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	56.7	64.7	71.7	79.2	82.7	90.2	97.7	112.0	127.0
1.08	22.8	26.3	29.3	31.3	33.8	37.3	41.3	44.8	48.8	52.8	60.8	67.8	75.3	78.8	86.3	93.8	108.1	123.1
1.08	27.4	30.9	33.9	35.9	38.4	41.9	45.9	49.4	53.4	57.4	65.4	72.4	79.9	83.4	90.9	98.4	112.6	127.6
1.09	20.8	24.3	27.3	29.3	31.8	35.3	39.3	42.8	46.8	50.8	58.8	65.8	73.3	76.8	84.3	91.8	106.0	121.0
1.09	28.3	31.8	34.8	36.8	39.3	42.8	46.8	50.3	54.3	58.3	66.3	73.3	80.8	84.3	91.8	99.3	113.6	128.6
1.09	25.0	28.5	31.5	33.5	36.0	39.5	43.5	47.0	51.0	55.0	63.0	70.0	77.5	81.0	88.5	96.0	110.3	125.3
1.10	25.6	29.1	32.1	34.1	36.6	40.1	44.1	47.6	51.6	55.6	63.6	70.6	78.1	81.6	89.1	96.6	110.9	125.9
1.10	28.9	32.4	35.4	37.4	39.9	43.4	47.4	50.9	54.9	58.9	66.9	73.9	81.4	84.9	92.4	99.9	114.2	129.2
1.11	29.2	32.7	35.7	37.7	40.2	43.7	47.7	51.2	55.2	59.2	67.2	74.2	81.7	85.2	92.7	100.2	114.5	129.5
	0.93	**0.95**	**0.97**	**0.98**	**1.00**	**1.02**	**1.04**	**1.05**	**1.07**	**1.09**	**1.12**	**1.14**	**1.16**	**1.17**	**1.19**	**1.21**	**1.24**	**1.27**
1.11	26.3	29.8	32.8	34.8	37.3	40.8	44.8	48.3	52.3	56.3	64.3	71.3	78.8	82.3	89.8	97.3	111.5	126.5
1.12	27.2	30.7	33.7	35.7	38.2	41.7	45.7	49.2	53.2	57.2	65.2	72.2	79.7	83.2	90.7	98.2	112.5	127.5
1.13	24.8	28.3	31.3	33.3	35.8	39.3	43.4	46.9	50.9	54.9	62.9	69.9	77.4	80.9	88.4	95.9	110.1	125.1
1.13	27.8	31.3	34.3	36.3	38.8	42.3	46.3	49.8	53.8	57.8	65.8	72.8	80.3	83.8	91.3	98.8	113.1	128.1
1.13	25.5	29.0	32.0	34.0	36.5	40.0	44.0	47.5	51.5	55.5	63.5	70.5	78.0	81.5	89.0	96.5	110.7	125.7
1.14	25.8	29.3	32.3	34.3	36.8	40.3	44.3	47.8	51.8	55.8	63.8	70.8	78.3	81.8	89.3	96.8	111.0	126.0
1.14	28.5	32.0	35.0	37.0	39.5	43.0	47.0	50.5	54.5	58.5	66.5	73.5	81.0	84.5	92.0	99.5	113.7	128.7
1.15	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	56.4	64.4	71.4	78.9	82.4	89.9	97.4	111.7	126.7
1.15	28.8	32.3	35.3	37.3	39.8	43.3	47.3	50.8	54.8	58.8	66.8	73.8	81.3	84.8	92.3	99.8	114.0	129.0
1.15	22.3	25.8	28.8	30.8	33.3	36.8	40.8	44.3	48.3	52.3	60.3	67.3	74.8	78.3	85.8	93.3	107.6	122.6
1.16	24.7	28.2	31.2	33.2	35.7	39.2	43.2	46.7	50.7	54.7	62.7	69.7	77.2	80.7	88.2	95.7	109.9	124.9
1.16	29.1	32.6	35.6	37.6	40.1	43.6	47.6	51.1	55.1	59.1	67.1	74.1	81.6	85.1	92.6	100.1	114.3	129.3
1.16	18.9	22.4	25.4	27.4	29.9	33.4	37.4	40.9	44.9	48.9	56.9	63.9	71.4	74.9	82.4	89.9	104.1	119.1
1.17	23.3	26.8	29.8	31.8	34.3	37.8	41.8	45.3	49.3	53.3	61.3	68.3	75.8	79.3	86.8	94.3	108.5	123.5
1.17	25.6	29.1	32.1	34.1	36.6	40.1	44.1	47.6	51.6	55.6	63.6	70.6	78.1	81.6	89.1	96.6	110.9	125.9
1.18	25.9	29.4	32.4	34.4	36.9	40.4	44.4	47.9	51.9	55.9	63.9	70.9	78.4	81.9	89.4	96.9	111.2	126.2
1.18	28.0	31.5	34.5	36.5	39.0	42.5	46.5	50.0	54.0	58.0	66.0	73.0	80.5	84.0	91.5	99.0	113.2	128.2
1.19	26.3	29.8	32.8	34.8	37.3	40.8	44.8	48.3	52.3	56.3	64.3	71.3	78.8	82.3	89.8	97.3	111.5	126.5
1.19	28.3	31.8	34.8	36.8	39.3	42.8	46.8	50.3	54.3	58.3	66.3	73.3	80.8	84.3	91.8	99.3	113.6	128.6
1.20	25.2	28.7	31.7	33.7	36.2	39.7	43.7	47.2	51.2	55.2	63.2	70.2	77.7	81.2	88.7	96.2	110.4	125.4
1.20	26.9	30.4	33.4	35.4	37.9	41.4	45.4	48.9	52.9	56.9	64.9	71.9	79.4	82.9	90.4	97.9	112.1	127.1
1.20	28.6	32.1	35.1	37.1	39.6	43.1	47.1	50.6	54.6	58.6	66.6	73.6	81.1	84.6	92.1	99.6	113.9	128.9
1.21	25.5	29.0	32.0	34.0	36.5	40.0	44.0	47.5	51.5	55.5	63.5	70.5	78.0	81.5	89.0	96.5	110.7	125.7
1.21	28.9	32.4	35.4	37.4	39.9	43.4	47.4	50.9	54.9	58.9	66.9	73.9	81.4	84.9	92.4	99.9	114.2	129.2
1.22	27.5	31.0	34.0	36.0	38.5	42.0	46.0	49.5	53.5	57.5	65.5	72.5	80.0	83.5	91.0	98.5	112.8	127.8
	0.92	**0.95**	**0.97**	**0.98**	**0.99**	**1.01**	**1.03**	**1.05**	**1.07**	**1.08**	**1.11**	**1.14**	**1.16**	**1.17**	**1.19**	**1.21**	**1.24**	**1.27**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

B S-L CLASSIC | **BX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance							
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		B35	B38	B42	B46	B51	B55	B60	B64
	Driver	Driven	RPM	B	BX	RPM	B	BX	RPM	B	BX	BX35	BX38	BX42	BX46	BX51	BX55	BX60	BX64
1.22	6.00	7.40	2869	12.05	15.41	1434	9.41	11.03	951	7.04	8.18	7.8	9.4	11.4	13.4	15.9	17.9	20.4	22.4
1.22	5.00	6.20	2860	8.99	13.26	1430	6.86	9.03	948	5.16	6.67	9.6	11.1	13.1	15.1	17.6	19.6	22.1	24.1
1.23	4.00	5.00	2847	5.16	10.42	1424	4.18	6.89	944	3.23	5.09	11.3	12.8	14.8	16.8	19.3	21.3	23.8	25.8
1.23	5.60	7.00	2834	10.96	14.67	1417	8.43	10.27	939	6.31	7.59	8.5	10.0	12.0	14.0	16.5	18.5	21.0	23.0
1.24	6.40	8.00	2830	13.08	16.11	1415	10.41	11.81	938	7.78	8.78	---	8.6	10.6	12.6	15.1	17.1	19.6	21.6
1.24	3.80	4.80	2822	4.33	9.80	1411	3.64	6.46	935	2.84	4.77	11.6	13.1	15.1	17.1	19.6	21.6	24.1	26.1
1.24	4.60	5.80	2818	7.59	12.24	1409	5.83	8.21	934	4.41	6.06	10.2	11.7	13.7	15.7	18.2	20.2	22.7	24.7
1.24	5.40	6.80	2816	10.37	14.26	1408	7.93	9.87	933	5.94	7.30	8.8	10.3	12.3	14.3	16.8	18.8	21.3	23.3
1.25	6.80	8.60	2797	13.95	16.67	1398	11.38	12.57	927	8.52	9.37	---	7.8	9.8	11.8	14.3	16.3	18.8	20.8
1.25	5.20	6.60	2796	9.74	13.82	1398	7.42	9.48	927	5.57	7.00	9.1	10.6	12.6	14.6	17.1	19.1	21.6	23.6
1.25	3.60	4.60	2794	3.48	9.16	1397	3.09	6.02	926	2.45	4.46	12.0	13.5	15.5	17.5	20.0	22.0	24.5	26.5
1.26	7.40	9.40	2783	---	---	1391	12.78	13.65	922	9.59	10.22	---	---	8.7	10.7	13.2	15.2	17.7	19.7
1.26	5.00	6.40	2775	9.08	13.35	1388	6.91	9.08	920	5.19	6.70	9.4	10.9	12.9	14.9	17.4	19.4	21.9	23.9
1.26	4.20	5.40	2771	6.07	11.12	1385	4.77	7.38	918	3.65	5.44	10.8	12.3	14.4	16.4	18.9	20.9	23.4	25.4
1.27	8.60	11.00	2761	---	---	1380	15.39	15.63	915	11.66	11.86	---	---	---	---	10.9	13.0	15.5	17.5
1.28	4.60	6.00	2730	7.68	12.33	1365	5.87	8.26	905	4.44	6.09	10.1	11.6	13.6	15.6	18.1	20.1	22.6	24.6
1.29	5.20	6.80	2718	9.82	13.89	1359	7.46	9.52	901	5.59	7.03	8.9	10.4	12.5	14.5	17.0	19.0	21.5	23.5
1.29	3.80	5.00	2716	4.44	9.91	1358	3.69	6.52	900	2.88	4.81	11.5	13.0	15.0	17.0	19.5	21.5	24.0	26.0
1.30	5.60	7.40	2688	11.11	14.82	1344	8.50	10.34	891	6.35	7.64	8.1	9.7	11.7	13.7	16.2	18.2	20.7	22.7
1.31	4.20	5.60	2678	6.15	11.21	1339	4.81	7.42	888	3.68	5.47	10.7	12.2	14.2	16.2	18.7	20.7	23.2	25.2
1.31	9.40	12.40	2677	---	---	1339	17.02	16.86	887	13.01	12.93	---	---	---	---	---	11.2	13.7	15.7
1.31	6.00	8.00	2663	12.26	15.62	1331	9.52	11.14	882	7.11	8.25	7.3	8.9	10.9	12.9	15.4	17.4	19.9	21.9
1.32	3.40	4.60	2653	2.71	8.60	1327	2.59	5.64	879	2.10	4.17	12.1	13.6	15.6	17.6	20.1	22.1	24.6	26.6
1.32	4.60	6.20	2646	7.75	12.41	1323	5.91	8.30	877	4.47	6.11	9.9	11.4	13.4	15.4	17.9	19.9	22.4	24.4
1.33	6.40	8.60	2641	13.27	16.29	1320	10.50	11.91	875	7.84	8.84	---	8.0	10.1	12.1	14.6	16.6	19.1	21.1
1.34	5.00	6.80	2620	9.23	13.49	1310	6.98	9.15	868	5.24	6.75	9.1	10.6	12.6	14.6	17.1	19.1	21.6	23.6
1.35	5.40	7.40	2598	10.57	14.46	1299	8.03	9.98	861	6.01	7.37	8.3	9.8	11.8	13.8	16.3	18.3	20.8	22.8
1.35	4.20	5.80	2591	6.23	11.28	1295	4.85	7.46	859	3.70	5.49	10.5	12.0	14.0	16.0	18.5	20.5	23.0	25.0
1.36	4.60	6.40	2568	7.82	12.47	1284	5.94	8.33	851	4.49	6.14	9.7	11.2	13.2	15.2	17.7	19.7	22.2	24.2
1.36	6.80	9.40	2568	14.16	16.88	1284	11.49	12.68	851	8.59	9.44	---	---	9.1	11.1	13.6	15.6	18.1	20.1
1.37	3.40	4.80	2550	2.79	8.68	1275	2.63	5.68	845	2.12	4.20	11.9	13.4	15.4	17.4	20.0	22.0	24.5	26.5
1.37	5.00	7.00	2549	9.28	13.55	1274	7.01	9.18	845	5.26	6.76	8.9	10.4	12.4	14.4	17.0	19.0	21.5	23.5
1.39	4.20	6.00	2509	6.29	11.35	1255	4.88	7.49	832	3.72	5.51	10.4	11.9	13.9	15.9	18.4	20.4	22.9	24.9
1.40	5.60	8.00	2495	11.26	14.97	1248	8.58	10.42	827	6.41	7.69	7.6	9.1	11.2	13.2	15.7	17.7	20.2	22.2
1.40	4.60	6.60	2494	7.87	12.52	1247	5.97	8.36	827	4.51	6.15	9.6	11.1	13.1	15.1	17.6	19.6	22.1	24.1
ARC-LENGTH CORRECTION FACTOR —>												**0.75**	**0.77**	**0.80**	**0.82**	**0.85**	**0.87**	**0.89**	**0.90**
1.40	3.60	5.20	2493	3.74	9.42	1246	3.22	6.16	826	2.54	4.54	11.5	13.0	15.0	17.0	19.5	21.5	24.0	26.0
1.41	6.00	8.60	2484	12.40	15.76	1242	9.59	11.21	823	7.15	8.29	---	8.3	10.4	12.4	14.9	16.9	19.4	21.4
1.42	8.60	12.40	2458	---	---	1229	15.51	15.75	815	11.75	11.94	---	---	---	---	---	11.8	14.3	16.3
1.43	3.40	5.00	2455	2.86	8.75	1228	2.67	5.71	814	2.15	4.22	11.8	13.3	15.3	17.3	19.8	21.8	24.3	26.3
1.43	9.40	13.60	2447	---	---	1223	17.11	16.95	811	13.07	12.98	---	---	---	---	---	---	12.7	14.7
1.44	6.40	9.40	2424	13.43	16.45	1212	10.58	11.99	803	7.90	8.90	---	---	9.4	11.4	13.9	15.9	18.4	20.4
1.45	5.40	8.00	2411	10.70	14.59	1206	8.10	10.04	799	6.05	7.41	7.8	9.3	11.3	13.3	15.8	17.8	20.3	22.3
1.46	4.00	6.00	2399	5.54	10.80	1200	4.37	7.08	795	3.35	5.22	10.5	12.0	14.0	16.0	18.5	20.5	23.0	25.0
1.46	7.40	11.00	2391	---	---	1195	12.94	13.80	792	9.69	10.33	---	---	---	9.3	11.8	13.8	16.4	18.4
1.48	3.40	5.20	2367	2.91	8.80	1183	2.70	5.74	784	2.16	4.24	11.6	13.1	15.1	17.1	19.6	21.6	24.1	26.1
1.48	4.20	6.40	2361	6.39	11.44	1180	4.93	7.54	782	3.75	5.55	10.0	11.5	13.5	15.5	18.0	20.0	22.6	24.6
1.50	5.60	8.60	2328	11.37	15.08	1164	8.63	10.47	772	6.44	7.73	---	8.6	10.6	12.7	15.7	17.2	19.7	21.7
1.51	3.60	5.60	2326	3.84	9.52	1163	3.27	6.21	771	2.57	4.58	11.1	12.6	14.6	16.6	19.2	21.2	23.7	25.7
1.53	4.20	6.60	2293	6.42	11.48	1147	4.95	7.55	760	3.77	5.56	9.8	11.4	13.4	15.4	17.9	19.9	22.4	24.4
1.53	6.00	9.40	2281	12.52	15.88	1140	9.65	11.27	756	7.19	8.33	---	---	9.7	11.7	14.2	16.2	18.7	20.7
1.55	4.00	6.40	2257	5.61	10.87	1129	4.41	7.12	748	3.38	5.24	10.2	11.7	13.7	15.7	18.2	20.2	22.7	24.7
1.56	3.60	5.80	2250	3.88	9.56	1125	3.29	6.23	746	2.59	4.59	11.0	12.5	14.5	16.5	19.0	21.0	23.5	25.5
1.56	8.60	13.60	2246	---	---	1123	15.57	15.81	745	11.79	11.98	---	---	---	---	---	---	13.2	15.3
1.56	4.60	7.40	2237	8.02	12.67	1119	6.05	8.43	741	4.55	6.20	8.9	10.4	12.4	14.4	16.9	18.9	21.4	23.4
1.57	4.20	6.80	2229	6.45	11.51	1115	4.96	7.57	739	3.78	5.57	9.7	11.2	13.2	15.2	17.7	19.7	22.2	24.2
1.59	3.40	5.60	2208	2.99	8.88	1104	2.74	5.78	732	2.19	4.27	11.3	12.8	14.8	16.8	19.3	21.3	23.8	25.8
1.59	6.80	11.00	2206	14.38	17.10	1103	11.60	12.79	731	8.66	9.51	---	---	---	9.7	12.2	14.3	16.8	18.8
1.60	4.00	6.60	2193	5.64	10.90	1096	4.42	7.14	727	3.39	5.25	10.0	11.5	13.5	15.5	18.0	20.0	22.5	24.5
1.61	3.60	6.00	2179	3.91	9.59	1090	3.31	6.24	722	2.60	4.60	10.8	12.3	14.3	16.3	18.8	20.8	23.3	25.3
1.61	5.20	8.60	2172	10.18	14.26	1086	7.64	9.70	720	5.71	7.15	7.4	8.9	10.9	13.0	15.5	17.5	20.0	22.0
ARC-LENGTH CORRECTION FACTOR —>												**0.74**	**0.76**	**0.79**	**0.81**	**0.84**	**0.86**	**0.88**	**0.90**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

B S-L CLASSIC | BX CLASSIC COG STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	B68 BX68	B75 BX75	B81 BX81	B85 BX85	B90 BX90	B97 BX97	B105 BX105	B112 BX112	B120 BX120	B128 BX128	B144 BX144	B158 BX158	B173 BX173	B180 BX180	B195 BX195	B210 BX210	B240 BX240	B270 BX270
1.22	24.4	27.9	30.9	32.9	35.4	38.9	42.9	46.4	50.4	54.4	62.4	69.4	76.9	80.4	87.9	95.4	109.6	124.6
1.22	26.1	29.6	32.6	34.6	37.1	40.6	44.6	48.1	52.1	56.1	64.1	71.1	78.6	82.1	89.6	97.1	111.4	126.4
1.23	27.8	31.3	34.3	36.3	38.8	42.3	46.3	49.8	53.8	57.8	65.8	72.8	80.3	83.8	91.3	98.8	113.1	128.1
1.23	25.0	28.5	31.5	33.5	36.0	39.5	43.5	47.0	51.0	55.0	63.0	70.0	77.5	81.0	88.5	96.0	110.3	125.3
1.24	23.6	27.1	30.1	32.1	34.6	38.1	42.1	45.6	49.6	53.6	61.6	68.6	76.1	79.6	87.1	94.6	108.8	123.8
1.24	28.1	31.6	34.6	36.6	39.1	42.6	46.6	50.1	54.1	58.1	66.1	73.1	80.6	84.1	91.6	99.1	113.4	128.4
1.24	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	56.7	64.7	71.7	79.2	82.7	90.2	97.7	112.0	127.0
1.24	25.3	28.8	31.8	33.8	36.3	39.8	43.8	47.3	51.3	55.3	63.3	70.3	77.8	81.3	88.8	96.3	110.6	125.6
1.25	22.8	26.3	29.3	31.3	33.8	37.3	41.3	44.8	48.8	52.8	60.8	67.8	75.3	78.8	86.3	93.8	108.1	123.1
1.25	25.6	29.1	32.1	34.1	36.6	40.1	44.1	47.6	51.6	55.6	63.6	70.6	78.1	81.6	89.1	96.6	110.9	125.9
1.25	28.5	32.0	35.0	37.0	39.5	43.0	47.0	50.5	54.5	58.5	66.5	73.5	81.0	84.5	92.0	99.5	113.7	128.7
1.26	21.7	25.2	28.2	30.2	32.7	36.2	40.2	43.7	47.7	51.7	59.7	66.7	74.2	77.7	85.2	92.7	107.0	122.0
1.26	25.9	29.4	32.4	34.4	36.9	40.4	44.4	47.9	51.9	55.9	63.9	70.9	78.4	81.9	89.4	96.9	111.2	126.2
1.26	27.4	30.9	33.9	35.9	38.4	41.9	45.9	49.4	53.4	57.4	65.4	72.4	79.9	83.4	90.9	98.4	112.6	127.6
1.27	19.5	23.0	26.0	28.0	30.5	34.0	38.0	41.5	45.5	49.5	57.5	64.5	72.0	75.5	83.0	90.5	104.8	119.8
1.28	26.6	30.1	33.1	35.1	37.6	41.1	45.1	48.6	52.6	56.6	64.6	71.6	79.1	82.6	90.1	97.6	111.8	126.8
1.29	25.5	29.0	32.0	34.0	36.5	40.0	44.0	47.5	51.5	55.5	63.5	70.5	78.0	81.5	89.0	96.5	110.7	125.7
1.29	28.0	31.5	34.5	36.5	39.0	42.5	46.5	50.0	54.0	58.0	66.0	73.0	80.5	84.0	91.5	99.0	113.2	128.2
1.30	24.7	28.2	31.2	33.2	35.7	39.2	43.2	46.7	50.7	54.7	62.7	69.7	77.2	80.7	88.2	95.7	109.9	124.9
1.31	27.2	30.7	33.7	35.7	38.2	41.7	45.7	49.2	53.2	57.2	65.2	72.2	79.7	83.2	90.7	98.2	112.5	127.5
1.31	17.7	21.2	24.2	26.2	28.7	32.3	36.3	39.8	43.8	47.8	55.8	62.8	70.3	73.8	81.3	88.8	103.0	118.0
1.31	23.9	27.4	30.4	32.4	34.9	38.4	42.4	45.9	49.9	53.9	61.9	68.9	76.4	79.9	87.4	94.9	109.2	124.2
1.32	28.6	32.1	35.1	37.1	39.6	43.1	47.1	50.6	54.6	58.6	66.6	73.6	81.1	84.6	92.1	99.6	113.9	128.9
1.32	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	56.4	64.4	71.4	78.9	82.4	89.9	97.4	111.7	126.7
1.33	23.1	26.6	29.6	31.6	34.1	37.6	41.6	45.1	49.1	53.1	61.1	68.1	75.6	79.1	86.6	94.1	108.4	123.4
1.34	25.6	29.1	32.1	34.1	36.6	40.1	44.1	47.6	51.6	55.6	63.6	70.6	78.1	81.6	89.1	96.6	110.9	125.9
1.35	24.8	28.3	31.3	33.3	35.8	39.3	43.3	46.8	50.8	54.8	62.8	69.8	77.3	80.8	88.3	95.8	110.1	125.1
1.35	27.0	30.5	33.5	35.5	38.0	41.5	45.5	49.0	53.0	57.0	65.0	72.0	79.5	83.0	90.5	98.0	112.3	127.3
1.36	26.2	29.8	32.8	34.8	37.3	40.8	44.8	48.3	52.3	56.3	64.3	71.3	78.8	82.3	89.8	97.3	111.5	126.5
1.36	22.1	25.7	28.7	30.7	33.2	36.7	40.7	44.2	48.2	52.2	60.2	67.2	74.7	78.2	85.7	93.2	107.4	122.4
1.37	28.5	32.0	35.0	37.0	39.5	43.0	47.0	50.5	54.5	58.5	66.5	73.5	81.0	84.5	92.0	99.5	113.7	128.7
1.37	25.5	29.0	32.0	34.0	36.5	40.0	44.0	47.5	51.5	55.5	63.5	70.5	78.0	81.5	89.0	96.5	110.7	125.7
1.39	26.9	30.4	33.4	35.4	37.9	41.4	45.4	48.9	52.9	56.9	64.9	71.9	79.4	82.9	90.4	97.9	112.1	127.1
1.40	24.2	27.7	30.7	32.7	35.2	38.7	42.7	46.2	50.2	54.2	62.2	69.2	76.7	80.2	87.7	95.2	109.5	124.5
1.40	26.1	29.6	32.6	34.6	37.1	40.6	44.6	48.1	52.1	56.1	64.1	71.1	78.6	82.1	89.6	97.1	111.4	126.4
	0.92	**0.95**	**0.97**	**0.98**	**0.99**	**1.01**	**1.03**	**1.05**	**1.07**	**1.08**	**1.11**	**1.14**	**1.16**	**1.17**	**1.19**	**1.21**	**1.24**	**1.27**
1.40	28.0	31.5	34.5	36.5	39.0	42.5	46.5	50.0	54.0	58.0	66.0	73.0	80.5	84.0	91.5	99.0	113.2	128.2
1.41	23.4	26.9	29.9	31.9	34.4	37.9	41.9	45.4	49.4	53.4	61.4	68.4	75.9	79.4	86.9	94.4	108.7	123.7
1.42	18.3	21.8	24.8	26.8	29.4	32.9	36.9	40.4	44.4	48.4	56.4	63.4	70.9	74.4	81.9	89.4	103.6	118.6
1.43	28.3	31.8	34.8	36.8	39.3	42.8	46.8	50.3	54.3	58.3	66.3	73.3	80.8	84.3	91.8	99.3	113.6	128.6
1.43	16.7	20.2	23.3	25.3	27.8	31.3	35.3	38.8	42.8	46.8	54.8	61.8	69.3	72.8	80.3	87.8	102.1	117.1
1.44	22.4	26.0	29.0	31.0	33.5	37.0	41.0	44.5	48.5	52.5	60.5	67.5	75.0	78.5	86.0	93.5	107.7	122.7
1.45	24.3	27.9	30.9	32.9	35.4	38.9	42.9	46.4	50.4	54.4	62.4	69.4	76.9	80.4	87.9	95.4	109.6	124.6
1.46	27.0	30.5	33.5	35.5	38.0	41.5	45.5	49.0	53.0	57.0	65.0	72.0	79.5	83.0	90.5	98.0	112.3	127.3
1.46	20.4	23.9	26.9	28.9	31.4	34.9	38.9	42.4	46.4	50.4	58.4	65.4	72.9	76.4	83.9	91.4	105.7	120.7
1.48	28.1	31.6	34.6	36.6	39.1	42.6	46.6	50.1	54.1	58.1	66.1	73.1	80.6	84.1	91.6	99.1	113.4	128.4
1.48	26.6	30.1	33.1	35.1	37.6	41.1	45.1	48.6	52.6	56.6	64.6	71.6	79.1	82.6	90.1	97.6	111.8	126.8
1.50	23.7	27.2	30.2	32.2	34.7	38.2	42.2	45.7	49.7	53.7	61.7	68.7	76.2	79.7	87.2	94.7	109.0	124.0
1.51	27.7	31.2	34.2	36.2	38.7	42.2	46.2	49.7	53.7	57.7	65.7	72.7	80.2	83.7	91.2	98.7	112.9	127.9
1.53	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	56.4	64.4	71.4	78.9	82.4	89.9	97.4	111.7	126.7
1.53	22.7	26.3	29.3	31.3	33.8	37.3	41.3	44.8	48.8	52.8	60.8	67.8	75.3	78.8	86.3	93.8	108.0	123.0
1.55	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	56.7	64.7	71.7	79.2	82.7	90.2	97.7	112.0	127.0
1.56	27.5	31.0	34.0	36.0	38.5	42.0	46.0	49.5	53.5	57.5	65.5	72.5	80.0	83.5	91.0	98.5	112.8	127.8
1.56	17.3	20.8	23.8	25.9	28.4	31.9	35.9	39.4	43.4	47.4	55.4	62.4	69.9	73.4	80.9	88.4	102.7	117.7
1.56	25.4	28.9	31.9	34.0	36.5	40.0	44.0	47.5	51.5	55.5	63.5	70.5	78.0	81.5	89.0	96.5	110.7	125.7
1.57	26.2	29.7	32.7	34.7	37.2	40.7	44.7	48.2	52.2	56.2	64.3	71.3	78.8	82.3	89.8	97.3	111.5	126.5
1.59	27.8	31.3	34.3	36.3	38.8	42.3	46.3	49.8	53.8	57.8	65.8	72.8	80.3	83.8	91.3	98.8	113.1	128.1
1.59	20.8	24.3	27.3	29.4	31.9	35.4	39.4	42.9	46.9	50.9	58.9	65.9	73.4	76.9	84.4	91.9	106.2	121.2
1.60	26.5	30.1	33.1	35.1	37.6	41.1	45.1	48.6	52.6	56.6	64.6	71.6	79.1	82.6	90.1	97.6	111.8	126.8
1.61	27.3	30.8	33.8	35.8	38.3	41.8	45.8	49.3	53.4	57.4	65.4	72.4	79.9	83.4	90.9	98.4	112.6	127.6
1.61	24.0	27.5	30.5	32.5	35.0	38.5	42.5	46.0	50.0	54.0	62.0	69.0	76.5	80.0	87.6	95.1	109.3	124.3
	0.92	**0.94**	**0.96**	**0.98**	**0.99**	**1.01**	**1.03**	**1.05**	**1.06**	**1.08**	**1.11**	**1.13**	**1.16**	**1.17**	**1.19**	**1.21**	**1.24**	**1.27**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

B S-L CLASSIC | **BX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		3500 RPM Driver			3500 RPM Driver			3500 RPM Driver			Belt Size/Center Distance							
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		B35	B38	B42	B46	B51	B55	B60	B64
	Driver	Driven	RPM	B	BX	RPM	B	BX	RPM	B	BX	BX35	BX38	BX42	BX46	BX51	BX55	BX60	BX64
1.61	9.40	15.40	2168	---	---	1084	17.18	17.02	718	13.12	13.03	---	---	---	---	---	---	---	13.1
1.64	5.60	9.40	2137	11.46	15.17	1069	8.68	10.51	708	6.47	7.76	---	7.9	9.9	12.0	14.5	16.5	19.0	21.0
1.64	3.40	5.80	2136	3.02	8.91	1068	2.75	5.79	708	2.20	4.28	11.1	12.6	14.6	16.6	19.1	21.1	23.6	25.6
1.64	7.40	12.40	2129	---	---	1064	13.00	13.87	705	9.74	10.37	---	---	---	---	10.6	12.6	15.2	17.2
1.67	5.00	8.60	2094	9.53	13.80	1047	7.14	9.30	694	5.34	6.85	7.5	9.0	11.1	13.1	15.6	17.6	20.1	22.2
1.67	3.80	6.60	2092	4.83	10.30	1046	3.89	6.71	693	3.01	4.94	10.1	11.7	13.7	15.7	18.2	20.2	22.7	24.7
1.68	9.40	16.00	2088	---	---	1044	17.20	17.04	692	13.13	13.04	---	---	---	---	---	---	---	---
1.68	6.40	11.00	2083	13.59	16.62	1041	10.67	12.07	690	7.95	8.95	---	---	---	10.0	12.5	14.6	17.1	19.1
1.69	4.60	8.00	2077	8.09	12.74	1038	6.08	8.46	688	4.58	6.23	8.3	9.9	11.9	13.9	16.4	18.4	20.9	22.9
1.69	3.40	6.00	2069	3.05	8.94	1035	2.76	5.81	686	2.21	4.28	10.9	12.5	14.5	16.5	19.0	21.0	23.5	25.5
1.69	5.40	9.40	2066	10.87	14.76	1033	8.18	10.13	685	6.10	7.46	---	8.0	10.1	12.1	14.6	16.7	19.2	21.2
1.70	4.20	7.40	2057	6.53	11.58	1028	5.00	7.60	682	3.80	5.59	9.2	10.7	12.7	14.7	17.2	19.2	21.7	23.7
1.72	3.80	6.80	2034	4.85	10.32	1017	3.90	6.72	674	3.01	4.95	10.0	11.5	13.5	15.5	18.0	20.0	22.5	24.5
1.74	3.40	6.20	2006	3.07	8.96	1003	2.78	5.82	665	2.22	4.29	10.8	12.3	14.3	16.3	18.8	20.8	23.3	25.3
1.76	5.20	9.40	1994	10.25	14.32	997	7.68	9.73	661	5.73	7.17	---	8.2	10.2	12.3	14.8	16.8	19.3	21.3
1.76	8.60	15.40	1990	---	---	995	15.62	15.86	659	11.82	12.02	---	---	---	---	---	---	---	13.6
1.77	3.80	7.00	1978	4.87	10.34	989	3.91	6.73	656	3.02	4.95	9.8	11.3	13.3	15.3	17.9	19.9	22.4	24.4
1.78	4.00	7.40	1966	5.73	10.99	983	4.47	7.18	652	3.42	5.28	9.3	10.8	12.8	14.9	17.4	19.4	21.9	23.9
1.78	6.80	12.40	1964	14.47	17.19	982	11.64	12.83	651	8.69	9.54	---	---	---	---	11.0	13.0	15.6	17.6
1.79	6.00	11.00	1960	12.65	16.01	980	9.71	11.33	649	7.23	8.38	---	---	---	10.3	12.8	14.8	17.4	19.4
1.80	3.40	6.40	1947	3.09	8.98	973	2.79	5.83	645	2.22	4.30	10.6	12.1	14.1	16.1	18.6	20.7	23.2	25.2
1.80	7.40	13.60	1946	---	---	973	13.03	13.90	645	9.76	10.39	---	---	---	---	---	11.5	14.1	16.1
1.81	4.60	8.60	1937	8.13	12.79	969	6.10	8.49	642	4.59	6.24	7.8	9.3	11.4	13.4	15.9	17.9	20.4	22.4
1.83	8.60	16.00	1917	---	---	958	15.63	15.87	635	11.83	12.03	---	---	---	---	---	---	---	13.1
1.83	4.20	8.00	1909	6.57	11.63	955	5.02	7.63	633	3.82	5.61	8.6	10.1	12.2	14.2	16.7	18.7	21.2	23.2
ARC-LENGTH CORRECTION FACTOR —>												**0.74**	**0.76**	**0.79**	**0.81**	**0.84**	**0.86**	**0.88**	**0.90**
1.85	3.40	6.60	1891	3.11	9.00	945	2.79	5.84	627	2.23	4.30	10.4	11.9	14.0	16.0	18.5	20.5	23.0	25.0
1.87	3.80	7.40	1876	4.90	10.37	938	3.92	6.75	622	3.03	4.96	9.4	11.0	13.0	15.0	17.5	19.5	22.0	24.0
1.89	6.40	12.40	1854	13.67	16.69	927	10.70	12.11	615	7.98	8.98	---	---	---	---	11.2	13.3	15.9	17.9
1.90	3.40	6.80	1838	3.12	9.01	919	2.80	5.84	609	2.23	4.31	10.3	11.8	13.8	15.8	18.3	20.3	22.8	24.8
1.91	5.60	11.00	1836	11.56	15.26	918	8.72	10.56	609	6.50	7.79	---	---	8.4	10.5	13.1	15.1	17.7	19.7
1.92	4.00	8.00	1825	5.77	11.03	913	4.48	7.20	605	3.43	5.29	8.8	10.3	12.3	14.3	16.9	18.9	21.4	23.4
1.92	9.40	18.40	1821	---	---	910	17.24	17.08	603	13.16	13.07	---	---	---	---	---	---	---	---
1.95	6.80	13.60	1795	14.52	17.23	898	11.67	12.85	595	8.71	9.56	---	---	---	---	---	11.9	14.5	16.5
1.96	3.40	7.00	1788	3.13	9.02	894	2.81	5.85	593	2.24	4.31	10.1	11.6	13.6	15.6	18.1	20.2	22.7	24.7
1.96	4.20	8.60	1781	6.61	11.66	891	5.04	7.64	590	3.83	5.62	8.1	9.6	11.6	13.7	16.2	18.2	20.7	22.7
1.97	4.60	9.40	1779	8.18	12.83	889	6.12	8.51	590	4.61	6.25	---	8.6	10.6	12.7	15.2	17.2	19.8	21.8
1.97	5.40	11.00	1775	10.96	14.85	887	8.22	10.17	588	6.13	7.49	---	---	8.6	10.7	13.2	15.3	17.8	19.8
2.01	6.00	12.40	1745	12.71	16.06	872	9.74	11.36	578	7.25	8.40	---	---	---	---	11.5	13.6	16.1	18.2
2.01	3.80	8.00	1742	4.93	10.40	871	3.94	6.76	577	3.04	4.97	8.9	10.4	12.5	14.5	17.0	19.0	21.5	23.5
2.03	7.40	15.40	1723	---	---	862	13.06	13.93	571	9.78	10.41	---	---	---	---	---	---	12.4	14.4
2.04	5.20	11.00	1713	10.32	14.40	857	7.71	9.77	568	5.76	7.19	---	---	8.7	10.8	13.4	15.4	17.9	20.0
2.06	4.00	8.60	1703	5.79	11.06	852	4.50	7.21	564	3.44	5.30	8.2	9.7	11.8	13.8	16.3	18.4	20.9	22.9
2.07	6.40	13.60	1695	13.70	16.73	847	10.72	12.13	562	7.99	8.99	---	---	---	---	10.1	12.2	14.8	16.8
2.09	8.60	18.40	1672	---	---	836	15.66	15.90	554	11.85	12.04	---	---	---	---	---	---	---	---
2.11	7.40	16.00	1660	---	---	830	13.07	13.93	550	9.78	10.42	---	---	---	---	---	---	11.7	13.9
ARC-LENGTH CORRECTION FACTOR —>												**0.72**	**0.75**	**0.77**	**0.80**	**0.83**	**0.85**	**0.88**	**0.89**
2.11	3.60	8.00	1658	4.07	9.75	829	3.39	6.32	549	2.65	4.65	9.0	10.6	12.6	14.6	17.2	19.2	21.7	23.7
2.12	5.00	11.00	1651	9.65	13.92	826	7.20	9.36	547	5.38	6.89	---	---	8.8	10.9	13.5	15.6	18.1	20.1
2.14	4.20	9.40	1635	6.64	11.69	818	5.05	7.66	542	3.84	5.63	7.3	8.8	10.9	13.0	15.5	17.5	20.1	22.1
2.14	5.60	12.40	1635	11.60	15.31	817	8.75	10.58	542	6.52	7.81	---	---	---	9.1	11.8	13.9	16.4	18.5
2.19	6.00	13.60	1595	12.73	16.09	797	9.75	11.37	528	7.26	8.41	---	---	---	---	10.3	12.4	15.0	17.1
2.20	6.80	15.40	1590	14.56	17.28	795	11.69	12.87	527	8.72	9.57	---	---	---	---	---	---	12.7	14.9
2.22	5.40	12.40	1580	10.99	14.88	790	8.24	10.19	524	6.14	7.51	---	---	---	---	9.3	11.9	14.0	16.6	18.6
2.22	3.40	8.00	1574	3.17	9.06	787	2.83	5.87	522	2.25	4.33	9.2	10.7	12.7	14.8	17.3	19.3	21.8	23.8
2.24	4.00	9.40	1564	5.82	11.08	782	4.51	7.23	518	3.45	5.31	7.4	9.0	11.1	13.1	15.6	17.7	20.2	22.2
2.27	8.60	20.00	1540	---	---	770	15.67	15.92	510	11.85	12.05	---	---	---	---	---	---	---	---
2.28	6.80	16.00	1532	14.57	17.28	766	11.69	12.88	508	8.72	9.57	---	---	---	---	---	---	12.1	14.3
2.29	4.60	11.00	1528	8.22	12.88	764	6.15	8.53	506	4.62	6.27	---	---	9.1	11.2	13.8	15.8	18.4	20.4
2.29	5.20	12.40	1525	10.35	14.43	763	7.73	9.79	505	5.77	7.20	---	---	---	9.4	12.0	14.1	16.7	18.7
2.33	6.40	15.40	1501	13.74	16.76	751	10.74	12.14	498	8.00	9.00	---	---	---	---	---	---	13.0	15.1
2.34	5.60	13.60	1494	11.62	15.33	747	8.76	10.60	495	6.52	7.81	---	---	---	---	10.6	12.7	15.3	17.4
ARC-LENGTH CORRECTION FACTOR —>												**0.71**	**0.73**	**0.75**	**0.76**	**0.80**	**0.82**	**0.85**	**0.87**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

B S-L CLASSIC | **BX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	B68 BX68	B75 BX75	B81 BX81	B85 BX85	B90 BX90	B97 BX97	B105 BX105	B112 BX112	B120 BX120	B128 BX128	B144 BX144	B158 BX158	B173 BX173	B180 BX180	B195 BX195	B210 BX210	B240 BX240	B270 BX270
1.61	15.1	18.7	21.7	23.7	26.3	29.8	33.8	37.3	41.3	45.3	53.3	60.4	67.9	71.4	78.9	86.4	100.6	115.6
1.64	23.0	26.6	29.6	31.6	34.1	37.6	41.6	45.1	49.1	53.1	61.1	68.1	75.6	79.1	86.6	94.1	108.4	123.4
1.64	27.7	31.2	34.2	36.2	38.7	42.2	46.2	49.7	53.7	57.7	65.7	72.7	80.2	83.7	91.2	98.7	112.9	127.9
1.64	19.2	22.7	25.7	27.7	30.3	33.8	37.8	41.3	45.3	49.3	57.3	64.3	71.8	75.3	82.8	90.3	104.6	119.6
1.67	24.2	27.7	30.7	32.7	35.2	38.7	42.7	46.2	50.2	54.2	62.2	69.2	76.7	80.2	87.7	95.2	109.5	124.5
1.67	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	56.7	64.7	71.7	79.2	82.7	90.2	97.7	112.0	127.0
1.68	14.6	18.2	21.2	23.2	25.7	29.3	33.3	36.8	40.8	44.8	52.9	59.9	67.4	70.9	78.4	85.9	100.2	115.2
1.68	21.1	24.6	27.6	29.7	32.2	35.7	39.7	43.2	47.2	51.2	59.2	66.2	73.7	77.2	84.7	92.2	106.5	121.5
1.69	25.0	28.5	31.5	33.5	36.0	39.5	43.5	47.0	51.0	55.0	63.0	70.0	77.5	81.0	88.5	96.0	110.2	125.2
1.69	27.5	31.0	34.0	36.0	38.5	42.0	46.0	49.5	53.5	57.5	65.5	72.5	80.0	83.5	91.0	98.5	112.8	127.8
1.69	23.2	26.7	29.7	31.7	34.2	37.7	41.7	45.2	49.2	53.2	61.2	68.3	75.8	79.3	86.8	94.3	108.5	123.5
1.70	25.7	29.3	32.3	34.3	36.8	40.3	44.3	47.8	51.8	55.8	63.8	70.8	78.3	81.8	89.3	96.8	111.0	126.0
1.72	26.5	30.0	33.0	35.0	37.5	41.1	45.1	48.6	52.6	56.6	64.6	71.6	79.1	82.6	90.1	97.6	111.8	126.8
1.74	27.3	30.8	33.8	35.8	38.3	41.8	45.8	49.3	53.3	57.3	65.3	72.4	79.9	83.4	90.9	98.4	112.6	127.6
1.76	23.3	26.9	29.9	31.9	34.4	37.9	41.9	45.4	49.4	53.4	61.4	68.4	75.9	79.4	86.9	94.4	108.7	123.7
1.76	15.7	19.3	22.3	24.3	26.8	30.4	34.4	37.9	41.9	45.9	54.0	61.0	68.5	72.0	79.5	87.0	101.3	116.3
1.77	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	56.4	64.4	71.4	78.9	82.4	89.9	97.4	111.7	126.7
1.78	25.9	29.4	32.4	34.4	36.9	40.4	44.4	47.9	51.9	55.9	63.9	70.9	78.4	81.9	89.4	96.9	111.2	126.2
1.78	19.6	23.2	26.2	28.2	30.7	34.2	38.2	41.7	45.7	49.7	57.8	64.8	72.3	75.8	83.3	90.8	105.0	120.0
1.79	21.4	24.9	27.9	30.0	32.5	36.0	40.0	43.5	47.5	51.5	59.5	66.5	74.0	77.5	85.0	92.5	106.8	121.8
1.80	27.2	30.7	33.7	35.7	38.2	41.7	45.7	49.2	53.2	57.2	65.2	72.2	79.7	83.2	90.7	98.2	112.4	127.4
1.80	18.2	21.7	24.7	26.7	29.3	32.8	36.8	40.3	44.3	48.3	56.3	63.3	70.8	74.4	81.9	89.4	103.6	118.6
1.81	24.5	28.0	31.0	33.0	35.5	39.0	43.0	46.5	50.5	54.5	62.5	69.5	77.0	80.5	88.0	95.5	109.8	124.8
1.83	15.1	18.7	21.8	23.8	26.3	29.9	33.9	37.4	41.4	45.4	53.5	60.5	68.0	71.5	79.0	86.5	100.8	115.8
1.83	25.3	28.8	31.8	33.8	36.3	39.8	43.8	47.3	51.3	55.3	63.3	70.3	77.8	81.3	88.8	96.3	110.6	125.6
	0.92	**0.94**	**0.96**	**0.98**	**0.99**	**1.01**	**1.03**	**1.05**	**1.06**	**1.08**	**1.11**	**1.13**	**1.16**	**1.17**	**1.19**	**1.21**	**1.24**	**1.27**
1.85	27.0	30.5	33.5	35.5	38.0	41.5	45.5	49.0	53.0	57.0	65.0	72.0	79.5	83.0	90.5	98.0	112.3	127.3
1.87	26.0	29.6	32.6	34.6	37.1	40.6	44.6	48.1	52.1	56.1	64.1	71.1	78.6	82.1	89.6	97.1	111.3	126.3
1.89	19.9	23.5	26.5	28.5	31.0	34.5	38.5	42.0	46.0	50.1	58.1	65.1	72.6	76.1	83.6	91.1	105.3	120.4
1.90	26.8	30.3	33.3	35.4	37.9	41.4	45.4	48.9	52.9	56.9	64.9	71.9	79.4	82.9	90.4	97.9	112.1	127.1
1.91	21.7	25.2	28.2	30.2	32.8	36.3	40.3	43.8	47.8	51.8	59.8	66.8	74.3	77.8	85.3	92.8	107.1	122.1
1.92	25.4	28.9	31.9	33.9	36.4	39.9	43.9	47.4	51.4	55.4	63.4	70.5	78.0	81.5	89.0	96.5	110.7	125.7
1.92	---	15.9	19.0	21.1	23.6	27.2	31.3	34.8	38.8	42.8	50.9	57.9	65.4	68.9	76.4	84.0	98.2	113.2
1.95	18.6	22.1	25.2	27.2	29.7	33.2	37.2	40.7	44.8	48.8	56.8	63.8	71.3	74.8	82.3	89.8	104.1	119.1
1.96	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	56.7	64.7	71.7	79.2	82.7	90.2	97.7	112.0	127.0
1.96	24.8	28.3	31.3	33.3	35.8	39.3	43.3	46.8	50.8	54.8	62.8	69.8	77.3	80.8	88.3	95.8	110.1	125.1
1.97	23.8	27.3	30.3	32.3	34.8	38.3	42.3	45.8	49.9	53.9	61.9	68.9	76.4	79.9	87.4	94.9	109.1	124.1
1.97	21.8	25.4	28.4	30.4	32.9	36.4	40.4	43.9	47.9	52.0	60.0	67.0	74.5	78.0	85.5	93.0	107.2	122.2
2.01	20.2	23.7	26.8	28.8	31.3	34.8	38.8	42.3	46.3	50.4	58.4	65.4	72.9	76.4	83.9	91.4	105.7	120.7
2.01	25.6	29.1	32.1	34.1	36.6	40.1	44.1	47.6	51.6	55.6	63.6	70.6	78.1	81.6	89.1	96.6	110.9	125.9
2.03	16.5	20.1	23.2	25.2	27.7	31.2	35.3	38.8	42.8	46.8	54.9	61.9	69.4	72.9	80.4	87.9	102.2	117.2
2.04	22.0	25.5	28.5	30.5	33.1	36.6	40.6	44.1	48.1	52.1	60.1	67.1	74.6	78.1	85.6	93.1	107.4	122.4
2.06	24.9	28.4	31.4	33.4	35.9	39.4	43.4	47.0	51.0	55.0	63.0	70.0	77.5	81.0	88.5	96.0	110.2	125.2
2.07	18.9	22.4	25.4	27.5	30.0	33.5	37.5	41.0	45.1	49.1	57.1	64.1	71.6	75.1	82.6	90.1	104.4	119.4
2.09	---	16.5	19.6	21.7	24.2	27.8	31.8	35.4	39.4	43.4	51.5	58.5	66.0	69.5	77.0	84.6	98.8	113.8
2.11	16.0	19.6	22.6	24.7	27.2	30.7	34.8	38.3	42.3	46.3	54.4	61.4	68.9	72.4	79.9	87.4	101.7	116.7
	0.91	**0.94**	**0.96**	**0.97**	**0.98**	**1.00**	**1.02**	**1.04**	**1.06**	**1.08**	**1.11**	**1.13**	**1.15**	**1.17**	**1.19**	**1.21**	**1.24**	**1.27**
2.11	25.7	29.2	32.2	34.2	36.7	40.2	44.2	47.7	51.7	55.8	63.8	70.8	78.3	81.8	89.3	96.8	111.0	126.0
2.12	22.1	25.7	28.7	30.7	33.2	36.7	40.7	44.2	48.2	52.3	60.3	67.3	74.8	78.3	85.8	93.3	107.5	122.6
2.14	24.1	27.6	30.6	32.6	35.1	38.6	42.6	46.2	50.2	54.2	62.2	69.2	76.7	80.2	87.7	95.2	109.4	124.4
2.14	20.5	24.0	27.1	29.1	31.6	35.1	39.1	42.6	46.6	50.7	58.7	65.7	73.2	76.7	84.2	91.7	106.0	121.0
2.19	19.1	22.7	25.7	27.8	30.3	33.8	37.8	41.3	45.4	49.4	57.4	64.4	71.9	75.4	82.9	90.4	104.7	119.7
2.20	16.9	20.5	23.6	25.6	28.1	31.7	35.7	39.2	43.3	47.3	55.3	62.3	69.8	73.3	80.9	88.4	102.6	117.6
2.22	20.6	24.2	27.2	29.2	31.7	35.3	39.3	42.8	46.8	50.8	58.8	65.8	73.3	76.8	84.4	91.9	106.1	121.1
2.22	25.8	29.4	32.4	34.4	36.9	40.4	44.4	47.9	51.9	55.9	63.9	70.9	78.4	81.9	89.4	96.9	111.2	126.2
2.24	24.2	27.7	30.8	32.8	35.3	38.8	42.8	46.3	50.3	54.3	62.3	69.3	76.8	80.3	87.8	95.3	109.6	124.6
2.27	---	14.9	18.0	20.1	22.7	26.3	30.4	34.0	38.0	42.1	50.1	57.2	64.7	68.2	75.7	83.3	97.5	112.6
2.28	16.4	20.0	23.0	25.1	27.6	31.2	35.2	38.7	42.8	46.8	54.8	61.8	69.3	72.9	80.4	87.9	102.1	117.2
2.29	22.4	26.0	29.0	31.0	33.5	37.0	41.0	44.5	48.5	52.6	60.6	67.6	75.1	78.6	86.1	93.6	107.9	122.9
2.29	20.8	24.3	27.3	29.4	31.9	35.4	39.4	42.9	46.9	51.0	59.0	66.0	73.5	77.0	84.5	92.0	106.3	121.3
2.33	17.2	20.8	23.9	25.9	28.4	32.0	36.0	39.5	43.6	47.6	55.6	62.6	70.1	73.6	81.2	88.7	102.9	118.0
2.34	19.4	23.0	26.0	28.0	30.6	34.1	38.1	41.6	45.7	49.7	57.7	64.7	72.2	75.7	83.2	90.7	105.0	120.0
	0.89	**0.92**	**0.94**	**0.96**	**0.97**	**.99**	**1.01**	**1.03**	**1.05**	**1.07**	**1.10**	**1.12**	**1.15**	**1.16**	**1.18**	**1.20**	**1.23**	**1.26**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

B S-L CLASSIC | **BX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance							
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		B35	B38	B42	B46	B51	B55	B60	B64
	Driver	Driven	RPM	B	BX	RPM	B	BX	RPM	B	BX	BX35	BX38	BX42	BX46	BX51	BX55	BX60	BX64
2.35	3.80	9.40	1492	4.98	10.44	746	3.96	6.79	494	3.06	4.99	7.5	9.1	11.2	13.2	15.8	17.8	20.3	22.4
2.38	5.00	12.40	1470	9.68	13.95	735	7.21	9.38	487	5.39	6.90	---	---	---	9.5	12.2	14.3	16.8	18.9
2.38	3.40	8.60	1469	3.19	9.08	734	2.84	5.88	487	2.26	4.33	8.6	10.1	12.2	14.2	16.8	18.8	21.3	23.3
2.42	7.40	18.40	1448	---	---	724	13.08	13.95	480	9.79	10.43	---	---	---	---	---	---	---	---
2.42	5.40	13.60	1444	11.01	14.90	722	8.25	10.20	479	6.15	7.51	---	---	---	---	10.7	12.8	15.4	17.5
2.46	3.60	9.40	1420	4.10	9.78	710	3.41	6.34	471	2.66	4.66	7.6	9.2	11.3	13.4	15.9	18.0	20.5	22.5
2.48	6.00	15.40	1412	12.76	16.12	706	9.77	11.39	468	7.27	8.41	---	---	---	---	---	---	13.3	15.4
2.49	4.20	11.00	1405	6.67	11.73	702	5.07	7.68	466	3.85	5.64	---	---	9.3	11.5	14.1	16.1	18.7	20.7
2.51	5.20	13.60	1394	10.37	14.45	697	7.74	9.79	462	5.78	7.21	---	---	---	---	10.8	13.0	15.6	17.6
2.57	6.00	16.00	1361	12.77	16.13	680	9.77	11.39	451	7.27	8.42	---	---	---	---	---	---	12.6	14.8
2.57	4.60	12.40	1361	8.25	12.90	680	6.16	8.54	451	4.63	6.28	---	---	---	9.8	12.4	14.5	17.1	19.2
2.60	3.40	9.40	1348	3.21	9.10	674	2.84	5.88	447	2.26	4.34	7.8	9.4	11.5	13.5	16.1	18.1	20.6	22.7
2.60	9.40	25.00	1347	---	---	674	17.28	17.12	446	13.19	13.10	---	---	---	---	---	---	---	---
2.61	4.00	11.00	1343	5.85	11.11	672	4.53	7.24	445	3.46	5.32	---	---	9.5	11.6	14.2	16.2	18.8	20.8
2.62	6.80	18.40	1336	14.59	17.31	668	11.70	12.89	443	8.73	9.58	---	---	---	---	---	---	---	---
2.62	7.40	20.00	1334	---	---	667	13.09	13.96	442	9.80	10.43	---	---	---	---	---	---	---	---
2.64	5.60	15.40	1324	11.64	15.35	662	8.77	10.61	439	6.53	7.82	---	---	---	---	---	---	10.8	13.5	15.6
2.73	3.80	11.00	1282	5.00	10.47	641	3.97	6.80	425	3.06	5.00	---	7.4	9.6	11.7	14.3	16.4	18.9	21.0
2.74	5.40	15.40	1279	11.03	14.92	640	8.26	10.21	424	6.16	7.52	---	---	---	---	---	10.9	13.7	15.8
2.78	6.40	18.40	1261	13.76	16.79	631	10.75	12.16	418	8.01	9.01	---	---	---	---	---	---	---	---
ARC-LENGTH CORRECTION FACTOR —>												**0.71**	**0.73**	**0.75**	**0.76**	**0.80**	**0.82**	**0.85**	**0.87**
2.80	4.20	12.40	1251	6.69	11.74	625	5.08	7.69	415	3.85	5.65	---	---	---	10.0	12.7	14.8	17.4	19.4
2.81	4.60	13.60	1244	8.26	12.91	622	6.16	8.55	412	4.63	6.28	---	---	---	---	11.2	13.4	16.0	18.1
2.83	5.20	15.40	1235	10.39	14.46	617	7.75	9.80	409	5.78	7.21	---	---	---	---	---	11.1	13.8	15.9
2.84	5.40	16.00	1232	11.04	14.93	616	8.26	10.21	408	6.16	7.52	---	---	---	---	---	---	13.0	15.2
2.84	6.80	20.00	1231	14.60	17.32	615	11.71	12.90	408	8.73	9.59	---	---	---	---	---	---	---	---
2.87	3.60	11.00	1220	4.13	9.80	610	3.42	6.35	404	2.67	4.67	---	7.5	9.7	11.9	14.5	16.5	19.1	21.1
2.93	4.00	12.40	1196	5.86	11.12	598	4.53	7.25	396	3.46	5.33	---	---	---	10.2	12.8	14.9	17.5	19.6
2.94	5.00	15.40	1190	9.71	13.98	595	7.23	9.39	395	5.40	6.91	---	---	---	---	---	11.2	13.9	16.0
2.95	6.00	18.40	1187	12.78	16.14	593	9.78	11.40	393	7.28	8.42	---	---	---	---	---	---	---	---
3.01	6.40	20.00	1162	13.77	16.80	581	10.76	12.16	385	8.01	9.01	---	---	---	---	---	---	---	---
3.02	3.40	11.00	1158	3.22	9.11	579	2.85	5.89	384	2.27	4.34	---	7.7	9.9	12.0	14.6	16.7	19.2	21.3
3.05	5.00	16.00	1147	9.72	13.98	573	7.23	9.39	380	5.40	6.91	---	---	---	---	---	---	13.3	15.4
3.06	4.20	13.60	1143	6.70	11.75	572	5.09	7.69	379	3.86	5.65	---	---	---	---	11.5	13.6	16.2	18.3
3.07	3.80	12.40	1141	5.01	10.48	571	3.98	6.80	378	3.07	5.00	---	---	---	10.3	13.0	15.1	17.7	19.7
3.11	9.40	30.00	1125	---	---	563	17.29	17.13	373	13.19	13.11	---	---	---	---	---	---	---	---
3.15	5.60	18.40	1112	11.66	15.37	556	8.78	10.62	369	6.54	7.83	---	---	---	---	---		---	12.4
3.18	4.60	15.40	1102	8.27	12.92	551	6.17	8.56	365	4.64	6.29	---	---	---	---	---	11.4	14.2	16.3
3.20	6.00	20.00	1093	12.79	16.15	547	9.78	11.40	362	7.28	8.42	---	---	---	---	---	---	---	---
3.20	4.00	13.60	1093	5.87	11.13	547	4.54	7.25	362	3.47	5.33	---	---	---	---	11.6	13.7	16.4	18.5
3.22	3.60	12.40	1086	4.14	9.82	543	3.42	6.35	360	2.67	4.67	---	---	8.2	10.4	13.1	15.2	17.8	19.9
3.26	5.40	18.40	1075	11.05	14.94	537	8.27	10.22	356	6.16	7.52	---	---	---	---	---	---	---	12.5
3.27	7.40	25.00	1071	---	---	535	13.10	13.97	355	9.80	10.44	---	---	---	---	---	---	---	---
3.30	4.60	16.00	1061	8.27	12.93	531	6.17	8.56	352	4.64	6.29	---	---	---	---	---	10.7	13.5	15.7
3.36	3.80	13.60	1043	5.02	10.49	521	3.98	6.81	346	3.07	5.00	---	---	---	8.9	11.7	13.9	16.5	18.6
3.37	5.20	18.40	1037	10.41	14.48	519	7.75	9.81	344	5.79	7.22	---	---	---	---	---	---	---	12.7
ARC-LENGTH CORRECTION FACTOR —>												**---**	**0.70**	**0.72**	**0.74**	**0.77**	**0.80**	**0.83**	**0.86**
3.39	3.40	12.40	1031	3.23	9.12	516	2.86	5.90	342	2.27	4.34	---	---	8.3	10.5	13.2	15.3	17.9	20.0
3.42	5.60	20.00	1025	11.67	15.38	512	8.78	10.62	340	6.54	7.83	---	---	---	---	---	---	---	---
3.46	4.20	15.40	1013	6.71	11.76	506	5.09	7.70	336	3.86	5.65	---	---	---	---	---	11.7	14.4	16.6
3.50	5.00	18.40	1000	9.73	13.99	500	7.23	9.40	331	5.41	6.91	---	---	---	---	---	---	---	12.8
3.53	3.60	13.60	993	4.14	9.82	496	3.42	6.36	329	2.67	4.68	---	---	---	9.0	11.8	14.0	16.6	18.7
3.53	5.40	20.00	990	11.06	14.95	495	8.27	10.22	328	6.17	7.53	---	---	---	---	---	---	---	---
3.54	6.80	25.00	988	14.62	17.34	494	11.72	12.91	328	8.74	9.59	---	---	---	---	---	---	---	---
3.61	4.00	15.40	968	5.88	11.14	484	4.54	7.26	321	3.47	5.33	---	---	---	---	---	11.8	14.6	16.7
3.66	5.20	20.00	956	10.41	14.49	478	7.76	9.81	317	5.79	7.22	---	---	---	---	---	---	---	---
3.71	3.40	13.60	943	3.24	9.13	471	2.86	5.90	312	2.27	4.35	---	---	---	9.1	12.0	14.1	16.8	18.9
3.75	6.40	25.00	933	13.79	16.82	466	10.77	12.17	309	8.02	9.02	---	---	---	---	---	---	---	---
3.75	4.00	16.00	933	5.88	11.14	466	4.54	7.26	309	3.47	5.33	---	---	---	---	---	11.1	13.9	16.1
3.78	4.60	18.40	925	8.28	12.93	463	6.18	8.56	307	4.64	6.29	---	---	---	---	---	---	---	13.0
3.79	3.80	15.40	924	5.03	10.50	462	3.99	6.81	306	3.07	5.01	---	---	---	---	---	11.9	14.7	16.8
3.80	5.00	20.00	921	9.73	14.00	461	7.24	9.40	305	5.41	6.91	---	---	---	---	---	---	---	---
ARC-LENGTH CORRECTION FACTOR —>												**---**	**---**	**0.70**	**0.72**	**0.75**	**0.78**	**0.81**	**0.83**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

B	S-L CLASSIC	BX	CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	B68 BX68	B75 BX75	B81 BX81	B85 BX85	B90 BX90	B97 BX97	B105 BX105	B112 BX112	B120 BX120	B128 BX128	B144 BX144	B158 BX158	B173 BX173	B180 BX180	B195 BX195	B210 BX210	B240 BX240	B270 BX270
2.35	24.4	27.9	30.9	32.9	35.4	38.9	42.9	46.5	50.5	54.5	62.5	69.5	77.0	80.5	88.0	95.5	109.8	124.8
2.38	20.9	24.5	27.5	29.5	32.0	35.5	39.6	43.1	47.1	51.1	59.1	66.1	73.6	77.2	84.7	92.2	106.4	121.4
2.38	25.3	28.9	31.9	33.9	36.4	39.9	43.9	47.4	51.4	55.4	63.4	70.4	77.9	81.4	88.9	96.4	110.7	125.7
2.42	13.5	17.3	20.4	22.5	25.0	28.6	32.7	36.2	40.3	44.3	52.4	59.4	66.9	70.4	78.0	85.5	99.7	114.8
2.42	19.6	23.1	26.2	28.2	30.7	34.2	38.3	41.8	45.8	49.8	57.8	64.9	72.4	75.9	83.4	90.9	105.2	120.2
2.46	24.5	28.0	31.1	33.1	35.6	39.1	43.1	46.6	50.6	54.6	62.6	69.6	77.1	80.6	88.1	95.7	109.9	124.9
2.48	17.5	21.1	24.1	26.2	28.7	32.3	36.3	39.8	43.8	47.9	55.9	62.9	70.4	74.0	81.5	89.0	103.2	118.3
2.49	22.7	26.2	29.3	31.3	33.8	37.3	41.3	44.8	48.8	52.9	60.9	67.9	75.4	78.9	86.4	93.9	108.2	123.2
2.51	19.7	23.3	26.3	28.3	30.9	34.4	38.4	41.9	46.0	50.0	58.0	65.0	72.5	76.0	83.5	91.0	105.3	120.3
2.57	16.9	20.5	23.6	25.6	28.2	31.7	35.8	39.3	43.3	47.4	55.4	62.4	70.0	73.5	81.0	88.5	102.8	117.8
2.57	21.2	24.7	27.8	29.8	32.3	35.8	39.9	43.4	47.4	51.4	59.4	66.4	74.0	77.5	85.0	92.5	106.7	121.7
2.60	24.7	28.2	31.2	33.2	35.7	39.2	43.2	46.8	50.8	54.8	62.8	69.8	77.3	80.8	88.3	95.8	110.1	125.1
2.60	---	---	---	---	---	20.9	25.2	28.8	33.0	37.1	45.2	52.3	59.9	63.4	71.0	78.5	92.8	107.9
2.61	22.9	26.4	29.4	31.4	33.9	37.5	41.5	45.0	49.0	53.0	61.0	68.0	75.5	79.0	86.6	94.1	108.3	123.3
2.62	13.9	17.7	20.8	22.9	25.5	29.0	33.1	36.7	40.7	44.7	52.8	59.8	67.4	70.9	78.4	85.9	100.2	115.2
2.62	---	15.6	18.8	20.9	23.5	27.2	31.3	34.8	38.9	42.9	51.0	58.0	65.6	69.1	76.6	84.2	98.4	113.5
2.64	17.7	21.4	24.4	26.5	29.0	32.5	36.6	40.1	44.1	48.2	56.2	63.2	70.7	74.3	81.8	89.3	103.5	118.6
2.73	23.0	26.5	29.6	31.6	34.1	37.6	41.6	45.1	49.2	53.2	61.2	68.2	75.7	79.2	86.7	94.2	108.5	123.5
2.74	17.9	21.5	24.6	26.6	29.1	32.7	36.7	40.3	44.3	48.3	56.4	63.4	70.9	74.4	81.9	89.4	103.7	118.7
2.78	14.2	17.9	21.1	23.2	25.7	29.3	33.4	36.9	41.0	45.0	53.1	60.1	67.7	71.2	78.7	86.2	100.5	115.5
	0.89	**0.92**	**0.94**	**0.96**	**0.97**	**0.99**	**1.01**	**1.03**	**1.05**	**1.07**	**1.10**	**1.12**	**1.15**	**1.16**	**1.18**	**1.20**	**1.23**	**1.26**
2.80	21.5	25.0	28.1	30.1	32.6	36.1	40.2	43.7	47.7	51.7	59.7	66.1	74.3	77.8	85.3	92.8	107.0	122.1
2.81	20.1	23.7	26.7	28.8	31.3	34.8	38.9	42.4	46.4	50.4	58.4	65.5	73.0	76.5	84.0	91.5	105.8	120.8
2.83	18.0	21.6	24.7	26.7	29.3	32.8	36.9	40.4	44.4	48.5	56.5	63.5	71.0	74.6	82.1	89.6	103.9	118.9
2.84	17.3	20.9	24.0	26.1	28.6	32.2	36.2	39.7	43.8	47.8	55.8	62.9	70.4	73.9	81.4	88.9	103.2	118.2
2.84	---	16.0	19.2	21.3	24.0	27.6	31.7	35.2	39.3	43.4	51.4	58.5	66.0	69.5	77.1	84.6	98.9	113.9
2.87	23.1	26.7	29.7	31.7	34.2	37.8	41.8	45.3	49.3	53.3	61.3	68.3	75.8	79.4	86.9	94.4	108.6	123.6
2.93	21.6	25.2	28.2	30.2	32.8	36.3	40.3	43.8	47.8	51.9	59.9	66.9	74.4	77.9	85.4	92.9	107.2	122.2
2.94	18.1	21.8	24.8	26.9	29.4	33.0	37.0	40.6	44.6	48.6	56.6	63.7	71.2	74.7	82.2	89.7	104.0	119.0
2.95	14.4	18.2	21.3	23.4	26.0	29.6	33.7	37.2	41.3	45.3	53.4	60.4	68.0	71.5	79.0	86.5	100.8	115.8
3.01	---	16.3	19.5	21.6	24.2	27.8	32.0	35.5	39.6	43.6	51.7	58.8	66.3	69.8	77.4	84.9	99.2	114.2
3.02	23.3	26.8	29.9	31.9	34.4	37.9	41.9	45.4	49.4	53.5	61.5	68.5	76.0	79.5	87.0	94.5	108.8	123.8
3.05	17.6	21.2	24.3	26.3	28.9	32.4	36.5	40.0	44.1	48.1	56.1	63.2	70.7	74.2	81.7	89.2	103.5	118.5
3.06	20.4	24.0	27.0	29.0	31.6	35.1	39.1	42.7	46.7	50.7	58.7	65.8	73.3	76.8	84.3	91.8	106.1	121.1
3.07	21.8	25.3	28.4	30.4	32.9	36.4	40.5	44.0	48.0	52.0	60.0	67.0	74.6	78.1	85.6	93.1	107.3	122.4
3.11	---	---	---	---	---	---	19.8	23.7	28.1	32.3	40.7	47.9	55.5	59.1	66.7	74.3	88.6	103.7
3.15	14.7	18.4	21.6	23.7	26.3	29.9	34.0	37.5	41.6	45.6	53.7	60.7	68.3	71.8	79.3	86.8	101.1	116.1
3.18	18.4	22.0	25.1	27.2	29.7	33.3	37.3	40.8	44.9	48.9	56.9	64.0	71.5	75.0	82.5	90.0	104.3	119.3
3.20	---	16.5	19.7	21.9	24.5	28.1	32.2	35.8	39.9	43.9	52.0	59.1	66.6	70.1	77.7	85.2	99.5	114.5
3.20	20.5	24.1	27.2	29.2	31.7	35.3	39.3	42.8	46.8	50.9	58.9	65.9	73.4	76.9	84.4	92.0	106.2	121.2
3.22	21.9	25.5	28.5	30.5	33.0	36.6	40.6	44.1	48.1	52.2	60.2	67.2	74.7	78.2	85.7	93.2	107.5	122.5
3.26	14.8	18.6	21.7	23.8	26.4	30.0	34.1	37.7	41.7	45.8	53.8	60.9	68.4	71.9	79.5	87.0	101.3	116.3
3.27	---	---	---	---	18.4	22.2	26.5	30.2	34.3	38.5	46.6	53.7	61.3	64.9	72.4	80.0	94.3	109.4
3.30	17.8	21.5	24.6	26.6	29.2	32.7	36.8	40.3	44.4	48.4	56.4	63.5	71.0	74.5	82.0	89.5	103.8	118.8
3.36	20.7	24.2	27.3	29.3	31.9	35.4	39.4	43.0	47.0	51.0	59.0	66.1	73.6	77.1	84.6	92.1	106.4	121.4
3.37	14.9	18.7	21.9	24.0	26.6	30.2	34.2	37.8	41.9	45.9	54.0	61.0	68.6	72.1	79.6	87.1	101.4	116.4
	0.88	**0.90**	**0.93**	**0.95**	**0.97**	**0.99**	**1.01**	**1.03**	**1.05**	**1.07**	**1.10**	**1.12**	**1.15**	**1.16**	**1.18**	**1.20**	**1.23**	**1.26**
3.39	22.0	25.6	28.6	30.7	33.2	36.7	40.7	44.3	48.3	52.3	60.3	67.3	74.9	78.4	85.9	93.4	107.7	122.7
3.42	---	16.8	20.0	22.1	24.8	28.4	32.5	36.1	40.2	44.2	52.3	59.4	66.9	70.4	78.0	85.5	99.8	114.8
3.46	18.7	22.3	25.4	27.4	30.0	33.5	37.6	41.1	45.2	49.2	57.2	64.3	71.8	75.3	82.8	90.3	104.6	119.6
3.50	15.0	18.8	22.0	24.1	26.7	30.3	34.4	37.9	42.0	46.0	54.1	61.2	68.7	72.2	79.7	87.3	101.6	116.6
3.53	20.8	24.4	27.4	29.5	32.0	35.5	39.6	43.1	47.1	51.2	59.2	66.2	73.7	77.2	84.8	92.3	106.5	121.5
3.53	12.9	16.9	20.1	22.3	24.9	28.5	32.6	36.2	40.3	44.4	52.5	59.5	67.1	70.6	78.1	85.6	99.9	115.0
3.54	---	---	---	---	18.7	22.6	26.9	30.6	34.7	38.9	47.1	54.2	61.8	65.3	72.9	80.4	94.8	109.8
3.61	18.8	22.4	25.5	27.6	30.1	33.7	37.7	41.3	45.3	49.3	57.4	64.4	71.9	75.5	83.0	90.5	104.8	119.8
3.66	13.0	17.0	20.3	22.4	25.0	28.7	32.8	36.4	40.4	44.5	52.6	59.7	67.2	70.7	78.3	85.8	100.1	115.1
3.71	20.9	24.5	27.6	29.6	32.2	35.7	39.7	43.3	47.3	51.3	59.3	66.4	73.9	77.4	84.9	92.4	106.7	121.7
3.75	---	---	---	16.1	19.0	22.9	27.2	30.8	35.0	39.1	47.3	54.5	62.1	65.6	73.2	80.7	95.0	110.1
3.75	18.2	21.9	25.0	27.0	29.6	33.2	37.2	40.8	44.8	48.8	56.9	63.9	71.4	75.0	82.5	90.0	104.3	119.3
3.78	15.3	19.1	22.3	24.4	27.0	30.6	34.7	38.2	42.3	46.3	54.4	61.5	69.0	72.5	80.0	87.6	101.9	116.9
3.79	18.9	22.6	25.7	27.7	30.3	33.8	37.9	41.4	45.5	49.5	57.5	64.6	72.1	75.6	83.1	90.6	104.9	119.9
3.80	13.1	17.1	20.4	22.5	25.2	28.8	32.9	36.5	40.6	44.6	52.7	59.8	67.4	70.9	78.4	85.9	100.2	115.3
	0.85	**0.88**	**0.92**	**0.93**	**0.95**	**0.97**	**0.99**	**1.00**	**1.02**	**1.04**	**1.08**	**1.10**	**1.13**	**1.14**	**1.16**	**1.18**	**1.22**	**1.25**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

B S-L CLASSIC | **BX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance							
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		B35	B38	B42	B46	B51	B55	B60	B64
	Driver	Driven	RPM	B	BX	RPM	B	BX	RPM	B	BX	BX35	BX38	BX42	BX46	BX51	BX55	BX60	BX64
3.91	7.40	30.00	895	---	---	447	13.11	13.98	296	9.81	10.44	---	---	---	---	---	---	---	---
3.93	3.80	16.00	890	5.03	10.50	445	3.99	6.81	295	3.07	5.01	---	---	---	---	---	11.2	14.0	16.2
3.98	3.60	15.40	879	4.15	9.83	440	3.43	6.36	291	2.68	4.68	---	---	---	---	9.7	12.0	14.8	17.0
3.99	6.00	25.00	878	12.81	16.16	439	9.79	11.41	291	7.29	8.43	---	---	---	---	---	---	---	---
4.10	4.60	20.00	853	8.28	12.94	426	6.18	8.56	283	4.64	6.29	---	---	---	---	---	---	---	---
4.11	4.20	18.40	851	6.71	11.77	425	5.09	7.70	282	3.86	5.65	---	---	---	---	---	---	---	13.3
4.13	3.60	16.00	847	4.15	9.83	424	3.43	6.36	281	2.68	4.68	---	---	---	---	---	11.3	14.2	16.3
4.19	3.40	15.40	835	3.24	9.13	418	2.86	5.90	277	2.27	4.35	---	---	---	---	9.8	12.2	14.9	17.1
4.24	6.80	30.00	825	14.63	17.35	413	11.72	12.91	274	8.74	9.60	---	---	---	---	---	---	---	---
4.26	5.60	25.00	823	11.68	15.39	411	8.79	10.62	273	6.54	7.83	---	---	---	---	---	---	---	---
4.28	8.60	38.00	818	---	---	409	15.71	15.95	271	11.87	12.07	---	---	---	---	---	---	---	---
4.30	4.00	18.40	813	5.89	11.15	407	4.55	7.26	270	3.47	5.33	---	---	---	---	---	---	---	13.4
4.35	3.40	16.00	804	3.25	9.14	402	2.86	5.91	267	2.28	4.35	---	---	---	---	---	11.4	14.3	16.5
4.40	5.40	25.00	795	11.07	14.96	397	8.28	10.22	263	6.17	7.53	---	---	---	---	---	---	---	---
4.46	4.20	20.00	784	6.72	11.77	392	5.10	7.70	260	3.86	5.66	---	---	---	---	---	---	---	---
4.49	6.40	30.00	779	13.80	16.82	390	10.77	12.17	258	8.02	9.02	---	---	---	---	---	---	---	---
4.51	3.80	18.40	776	5.04	10.50	388	3.99	6.82	257	3.08	5.01	---	---	---	---	---	---	---	13.5
4.56	5.20	25.00	767	10.42	14.50	384	7.76	9.82	254	5.79	7.22	---	---	---	---	---	---	---	---
4.67	4.00	20.00	750	5.89	11.15	375	4.55	7.26	248	3.47	5.33	---	---	---	---	---	---	---	---
4.73	5.00	25.00	740	9.74	14.01	370	7.24	9.41	245	5.41	6.92	---	---	---	---	---	---	---	---
4.74	3.60	18.40	739	4.16	9.83	369	3.43	6.36	245	2.68	4.68	---	---	---	---	---	---	11.2	13.6
4.77	6.00	30.00	733	12.81	16.17	367	9.79	11.41	243	7.29	8.43	---	---	---	---	---	---	---	---
4.89	3.80	20.00	715	5.04	10.51	358	3.99	6.82	237	3.08	5.01	---	---	---	---	---	---	---	---
4.94	7.40	38.00	708	---	---	354	13.11	13.98	235	9.81	10.45	---	---	---	---	---	---	---	---
4.99	3.40	18.40	701	3.25	9.14	351	2.87	5.91	232	2.28	4.35	---	---	---	---	---	---	11.3	13.7
			ARC-LENGTH CORRECTION FACTOR —>									**---**	**---**	**---**	**---**	**0.75**	**0.77**	**0.80**	**0.82**
5.09	5.60	30.00	687	11.69	15.39	344	8.79	10.63	228	6.55	7.83	---	---	---	---	---	---	---	---
5.11	4.60	25.00	685	8.29	12.95	342	6.18	8.57	227	4.64	6.29	---	---	---	---	---	---	---	---
5.14	3.60	20.00	681	4.16	9.84	340	3.43	6.37	226	2.68	4.68	---	---	---	---	---	---	---	---
5.27	5.40	30.00	664	11.07	14.96	332	8.28	10.23	220	6.17	7.53	---	---	---	---	---	---	---	---
5.36	6.80	38.00	653	14.64	17.35	327	11.73	12.91	217	8.75	9.60	---	---	---	---	---	---	---	---
5.41	3.40	20.00	646	3.25	9.14	323	2.87	5.91	214	2.28	4.35	---	---	---	---	---	---	---	---
5.46	5.20	30.00	641	10.42	14.50	320	7.76	9.82	212	5.79	7.23	---	---	---	---	---	---	---	---
5.56	4.20	25.00	629	6.72	11.78	315	5.10	7.70	209	3.87	5.66	---	---	---	---	---	---	---	---
5.66	5.00	30.00	618	9.75	14.01	309	7.24	9.41	205	5.41	6.92	---	---	---	---	---	---	---	---
5.67	6.40	38.00	617	13.80	16.83	308	10.77	12.18	204	8.02	9.02	---	---	---	---	---	---	---	---
			ARC-LENGTH CORRECTION FACTOR —>									**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
5.82	4.00	25.00	602	5.90	11.16	301	4.55	7.26	199	3.47	5.34	---	---	---	---	---	---	---	---
6.03	6.00	38.00	580	12.82	16.18	290	9.79	11.41	192	7.29	8.43	---	---	---	---	---	---	---	---
6.10	3.80	25.00	574	5.04	10.51	287	3.99	6.82	190	3.08	5.01	---	---	---	---	---	---	---	---
6.12	4.60	30.00	572	8.30	12.95	286	6.18	8.57	190	4.65	6.29	---	---	---	---	---	---	---	---
6.40	3.60	25.00	547	4.16	9.84	273	3.43	6.37	181	2.68	4.68	---	---	---	---	---	---	---	---
6.44	5.60	38.00	544	11.69	15.40	272	8.79	10.63	180	6.55	7.84	---	---	---	---	---	---	---	---
6.66	4.20	30.00	526	6.73	11.78	263	5.10	7.71	174	3.87	5.66	---	---	---	---	---	---	---	---
6.74	3.40	25.00	519	3.26	9.15	259	2.87	5.91	172	2.28	4.35	---	---	---	---	---	---	---	---
6.90	5.20	38.00	507	10.43	14.50	254	7.77	9.82	168	5.79	7.23	---	---	---	---	---	---	---	---
6.96	4.00	30.00	503	5.90	11.16	251	4.55	7.27	167	3.47	5.34	---	---	---	---	---	---	---	---
			ARC-LENGTH CORRECTION FACTOR —>									**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
7.16	5.00	38.00	489	9.75	14.01	245	7.24	9.41	162	5.41	6.92	---	---	---	---	---	---	---	---
7.30	3.80	30.00	480	5.05	10.51	240	4.00	6.82	159	3.08	5.01	---	---	---	---	---	---	---	---
7.67	3.60	30.00	457	4.17	9.84	228	3.44	6.37	151	2.68	4.68	---	---	---	---	---	---	---	---
7.73	4.60	38.00	453	8.30	12.95	226	6.18	8.57	150	4.65	6.30	---	---	---	---	---	---	---	---
8.07	3.40	30.00	433	3.26	9.15	217	2.87	5.91	144	2.28	4.35	---	---	---	---	---	---	---	---
8.41	4.20	38.00	416	6.73	11.79	208	5.10	7.71	138	3.87	5.66	---	---	---	---	---	---	---	---
8.80	4.00	38.00	398	5.90	11.16	199	4.55	7.27	132	3.48	5.34	---	---	---	---	---	---	---	---
9.22	3.80	38.00	380	5.05	10.52	190	4.00	6.82	126	3.08	5.01	---	---	---	---	---	---	---	---
9.69	3.60	38.00	361	4.17	9.85	181	3.44	6.37	120	2.68	4.68	---	---	---	---	---	---	---	---
10.20	3.40	38.00	343	3.26	9.15	172	2.87	5.91	114	2.28	4.35	---	---	---	---	---	---	---	---
			ARC-LENGTH CORRECTION FACTOR —>									**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

B S-L CLASSIC | **BX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	B68 BX68	B75 BX75	B81 BX81	B85 BX85	B90 BX90	B97 BX97	B105 BX105	B112 BX112	B120 BX120	B128 BX128	B144 BX144	B158 BX158	B173 BX173	B180 BX180	B195 BX195	B210 BX210	B240 BX240	B270 BX270
3.91	---	---	---	---	---	---	21.0	25.0	29.4	33.6	42.0	49.2	56.9	60.5	68.1	75.7	90.1	105.2
3.93	18.3	22.0	25.1	27.2	29.7	33.3	37.4	40.9	44.9	49.0	57.0	64.1	71.6	75.1	82.6	90.2	104.4	119.5
3.98	19.1	22.7	25.8	27.9	30.4	34.0	38.0	41.6	45.6	49.6	57.7	64.7	72.2	75.8	83.3	90.8	105.1	120.1
3.99	---	---	---	16.3	19.2	23.1	27.4	31.1	35.3	39.4	47.6	54.7	62.3	65.9	73.5	81.0	95.3	110.4
4.10	13.4	17.4	20.7	22.8	25.4	29.1	33.2	36.8	40.9	44.9	53.0	60.1	67.7	71.2	78.7	86.2	100.5	115.6
4.11	15.5	19.4	22.5	24.6	27.2	30.8	34.9	38.5	42.6	46.6	54.7	61.8	69.3	72.8	80.3	87.9	102.2	117.2
4.13	18.5	22.1	25.3	27.3	29.9	33.4	37.5	41.0	45.1	49.1	57.2	64.2	71.7	75.3	82.8	90.3	104.6	119.6
4.19	19.2	22.9	25.9	28.0	30.6	34.1	38.2	41.7	45.7	49.8	57.8	64.9	72.4	75.9	83.4	90.9	105.2	120.2
4.24	---	---	---	---	---	---	21.4	25.4	29.8	34.0	42.4	49.7	57.3	60.9	68.5	76.1	90.5	105.6
4.26	---	---	---	16.5	19.5	23.4	27.7	31.4	35.6	39.7	47.9	55.0	62.6	66.2	73.7	81.3	95.6	110.7
4.28	---	---	---	---	---	---	---	---	---	23.8	33.0	40.7	48.6	52.3	60.0	67.7	82.3	97.5
4.30	15.7	19.5	22.7	24.8	27.4	31.0	35.1	38.6	42.7	46.8	54.8	61.9	69.4	73.0	80.5	88.0	102.3	117.3
4.35	18.6	22.3	25.4	27.4	30.0	33.6	37.6	41.2	45.2	49.3	57.3	64.4	71.9	75.4	82.9	90.5	104.7	119.8
4.40	---	---	---	16.7	19.6	23.5	27.8	31.5	35.7	39.8	48.0	55.2	62.8	66.3	73.9	81.4	95.8	110.9
4.46	13.6	17.6	20.9	23.0	25.7	29.3	33.5	37.1	41.1	45.2	53.3	60.4	67.9	71.5	79.0	86.5	100.8	115.9
4.49	---	---	---	---	---	---	21.6	25.6	30.0	34.3	42.7	49.9	57.6	61.2	68.8	76.4	90.8	105.9
4.51	15.8	19.6	22.8	24.9	27.5	31.1	35.2	38.8	42.9	46.9	55.0	62.0	69.6	73.1	80.6	88.2	102.5	117.5
4.56	---	---	---	16.8	19.7	23.6	27.9	31.6	35.8	40.0	48.2	55.3	62.9	66.5	74.0	81.6	95.9	111.0
4.67	13.7	17.8	21.0	23.2	25.8	29.5	33.6	37.2	41.3	45.4	53.5	60.5	68.1	71.6	79.2	86.7	101.0	116.0
4.73	---	---	---	16.9	19.8	23.7	28.1	31.8	36.0	40.1	48.3	55.4	63.1	66.6	74.2	81.7	96.1	111.2
4.74	15.9	19.7	22.9	25.0	27.6	31.3	35.4	38.9	43.0	47.0	55.1	62.2	69.7	73.3	80.8	88.3	102.6	117.6
4.77	---	---	---	---	---	---	21.8	25.9	30.3	34.6	43.0	50.2	57.9	61.5	69.1	76.7	91.1	106.2
4.89	13.8	17.9	21.2	23.3	26.0	29.6	33.7	37.3	41.4	45.5	53.6	60.7	68.2	71.8	79.3	86.8	101.1	116.2
4.94	---	---	---	---	---	---	---	---	---	24.5	33.8	41.4	49.4	53.1	60.8	68.6	83.1	98.3
4.99	16.0	19.9	23.1	25.2	27.8	31.4	35.5	39.1	43.1	47.2	55.3	62.3	69.9	73.4	80.9	88.5	102.8	117.8
	0.85	**0.88**	**0.89**	**0.90**	**0.92**	**0.95**	**0.98**	**1.00**	**1.02**	**1.04**	**1.08**	**1.10**	**1.13**	**1.14**	**1.16**	**1.18**	**1.22**	**1.25**
5.09	---	---	---	---	---	---	22.1	26.1	30.5	34.8	43.2	50.5	58.2	61.7	69.4	77.0	91.4	106.5
5.11	14.0	18.0	21.3	17.1	20.1	24.0	28.3	32.0	36.2	40.4	48.6	55.7	63.3	66.9	74.5	82.0	96.4	111.4
5.14	---	---	---	23.4	26.1	29.7	33.9	37.5	41.6	45.6	53.7	60.8	68.4	71.9	79.5	87.0	101.3	116.3
5.27	---	---	---	---	---	---	22.2	26.2	30.6	34.9	43.4	50.6	58.3	61.9	69.5	77.1	91.5	106.7
5.36	---	---	---	---	---	---	---	---	---	24.8	34.2	41.8	49.8	53.5	61.2	69.0	83.5	98.7
5.41	14.1	18.1	21.4	23.6	26.2	29.9	34.0	37.6	41.7	45.8	53.9	61.0	68.5	72.1	79.6	87.1	101.4	116.5
5.46	---	---	---	---	---	---	22.3	26.4	30.8	35.1	43.5	50.8	58.5	62.0	69.7	77.3	91.7	106.8
5.56	---	---	14.8	17.4	20.3	24.2	28.6	32.3	36.5	40.6	48.9	56.0	63.6	67.2	74.8	82.3	96.7	111.7
5.66	---	---	---	---	---	---	22.4	26.5	30.9	35.2	43.6	50.9	58.6	62.2	69.8	77.4	91.8	106.9
5.67	---	---	---	---	---	---	---	---	---	25.1	34.4	42.1	50.1	53.7	61.5	69.2	83.8	99.0
	0.78	**0.81**	**0.84**	**0.88**	**0.90**	**0.93**	**0.96**	**0.99**	**1.01**	**1.03**	**1.07**	**1.10**	**1.12**	**1.14**	**1.16**	**1.18**	**1.22**	**1.25**
5.82	---	---	14.9	17.5	20.4	24.4	28.7	32.4	36.6	40.8	49.0	56.2	63.8	67.3	74.9	82.5	96.8	111.9
6.03	---	---	---	---	---	---	---	---	---	25.3	34.7	42.3	50.3	54.0	61.8	69.5	84.1	99.3
6.10	---	---	15.1	17.6	20.6	24.5	28.8	32.6	36.8	40.9	49.1	56.3	63.9	67.5	75.0	82.6	97.0	112.0
6.12	---	---	---	---	---	17.7	22.7	26.7	31.2	35.5	43.9	51.2	58.9	62.4	70.1	77.7	92.1	107.2
6.40	---	---	15.2	17.7	20.7	24.6	29.0	32.7	36.9	41.1	49.3	56.4	64.1	67.6	75.2	82.8	97.1	112.2
6.44	---	---	---	---	---	---	---	---	---	25.5	34.9	42.6	50.6	54.3	62.1	69.8	84.4	99.6
6.66	---	---	---	---	---	17.9	22.9	27.0	31.4	35.7	44.2	51.4	59.1	62.7	70.4	78.0	92.4	107.5
6.74	---	---	15.3	17.8	20.8	24.7	29.1	32.8	37.0	41.2	49.4	56.6	64.2	67.7	75.3	82.9	97.3	112.3
6.90	---	---	---	---	---	---	---	---	---	25.8	35.2	42.8	50.8	54.5	62.3	70.1	84.6	99.9
6.96	---	---	---	---	---	18.0	23.0	27.1	31.5	35.9	44.3	51.6	59.3	62.9	70.5	78.1	92.5	107.7
	---	**---**	**0.70**	**0.75**	**0.81**	**0.87**	**0.91**	**0.95**	**0.98**	**1.00**	**1.05**	**1.08**	**1.11**	**1.12**	**1.15**	**1.17**	**1.21**	**1.24**
7.16	---	---	---	---	---	---	---	---	---	25.9	35.3	43.0	51.0	54.7	62.5	70.2	84.8	100.0
7.30	---	---	---	---	---	18.1	23.2	27.2	31.7	36.0	44.4	51.7	59.4	63.0	70.7	78.3	92.7	107.8
7.67	---	---	---	---	---	18.3	23.3	27.3	31.8	36.1	44.6	51.8	59.6	63.1	70.8	78.4	92.8	108.0
7.73	---	---	---	---	---	---	---	---	---	26.1	35.5	43.2	51.2	54.9	62.7	70.5	85.1	100.3
8.07	---	---	---	---	---	18.4	23.4	27.5	31.9	36.2	44.7	52.0	59.7	63.3	70.9	78.6	93.0	108.1
8.41	---	---	---	---	---	---	---	---	---	26.4	35.8	43.5	51.5	55.2	63.0	70.8	85.3	100.6
8.80	---	---	---	---	---	---	---	---	21.1	26.5	35.9	43.6	51.6	55.3	63.1	70.9	85.5	100.7
9.22	---	---	---	---	---	---	---	---	21.2	26.6	36.0	43.7	51.8	55.5	63.3	71.0	85.6	100.9
9.69	---	---	---	---	---	---	---	---	21.3	26.7	36.2	43.9	51.9	55.6	63.4	71.2	85.8	101.0
10.20	---	---	---	---	---	---	---	---	21.4	26.8	36.3	44.0	52.0	55.7	63.5	71.3	85.9	101.2
	---	**---**	**---**	**---**	**---**	**0.77**	**0.82**	**0.88**	**0.92**	**0.96**	**1.02**	**1.05**	**1.09**	**1.10**	**1.13**	**1.15**	**1.19**	**1.23**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

C S-L CLASSIC | **CX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Size/Center Distance								
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		C51	C60	C68	C75	C81	C85	C90	C96	C105
	Driver	Driven	RPM	C	CX	RPM	C	CX	RPM	C	CX	CX51	CX60	CX68	CX75	CX81	CX85	CX90	CX96	CX105
1.00	7.0	7.0	1750	12.09	18.97	1160	9.69	14.22	870	7.98	11.39	16.0	20.5	24.5	28.0	31.0	33.0	35.5	38.5	43.0
1.00	7.5	7.5	1750	14.00	20.59	1160	11.17	15.48	870	9.16	12.40	15.2	19.7	23.7	27.2	30.2	32.2	34.7	37.7	42.2
1.00	8.0	8.0	1750	15.84	22.15	1160	12.62	16.71	870	10.33	13.40	14.4	18.9	22.9	26.4	29.4	31.4	33.9	36.9	41.4
1.00	8.5	8.5	1750	17.62	23.65	1160	14.05	17.93	870	11.48	14.39	13.6	18.1	22.1	25.6	28.6	30.6	33.1	36.1	40.6
1.00	9.0	9.0	1750	19.32	25.09	1160	15.45	19.11	870	12.62	15.36	12.8	17.3	21.3	24.8	27.8	29.8	32.3	35.3	39.8
1.00	9.5	9.5	1750	20.94	26.47	1160	16.82	20.28	870	13.74	16.32	12.0	16.5	20.5	24.0	27.0	29.0	31.5	34.5	39.0
1.00	10.0	10.0	1750	22.49	27.78	1160	18.17	21.42	870	14.85	17.26	11.3	15.8	19.7	23.3	26.3	28.3	30.8	33.8	38.3
1.00	10.5	10.5	1750	23.96	29.02	1160	19.49	22.54	870	15.95	18.20	---	15.0	19.0	22.5	25.5	27.5	30.0	33.0	37.5
1.00	11.0	11.0	1750	25.35	30.20	1160	20.78	23.63	870	17.03	19.12	---	14.2	18.2	21.7	24.7	26.7	29.2	32.2	36.7
1.00	12.0	12.0	1750	27.86	32.34	1160	23.27	25.74	870	19.15	20.92	---	12.6	16.6	20.1	23.1	25.1	27.6	30.6	35.1
1.00	13.0	13.0	1750	30.00	34.18	1160	25.64	27.75	870	21.21	22.66	---	---	15.0	18.5	21.5	23.5	26.0	29.0	33.5
1.00	14.0	14.0	1750	31.76	35.70	1160	27.88	29.64	870	23.20	24.36	---	---	---	17.0	20.0	22.0	24.5	27.5	32.0
1.00	16.0	16.0	1750	---	---	1160	31.96	33.10	870	27.00	27.57	---	---	---	---	16.8	18.8	21.3	24.3	28.8
1.05	10.5	11.0	1673	24.35	29.41	1109	19.74	22.79	832	16.14	18.39	---	14.6	18.6	22.1	25.1	27.1	29.6	32.6	37.1
1.05	10.0	10.5	1670	22.89	28.18	1107	18.44	21.69	830	15.05	17.45	10.9	15.4	19.4	22.9	25.9	27.9	30.4	33.4	37.9
1.05	9.5	10.0	1666	21.36	26.88	1104	17.10	20.56	828	13.95	16.53	11.6	16.1	20.1	23.6	26.6	28.6	31.1	34.1	38.6
1.05	9.0	9.5	1662	19.75	25.53	1101	15.74	19.40	826	12.83	15.58	12.4	16.9	20.9	24.4	27.4	29.4	31.9	34.9	39.4
1.06	8.5	9.0	1657	18.07	24.11	1098	14.36	18.23	824	11.71	14.61	13.2	17.7	21.7	25.2	28.2	30.2	32.7	35.7	40.2
1.06	8.0	8.5	1652	16.32	22.63	1095	12.94	17.03	821	10.57	13.64	14.0	18.5	22.5	26.0	29.0	31.0	33.5	36.5	41.0
1.06	7.5	8.0	1646	14.51	21.10	1091	11.51	15.81	818	9.41	12.65	14.8	19.3	23.3	26.8	29.8	31.8	34.3	37.3	41.8
1.07	7.0	7.5	1639	12.62	19.51	1087	10.05	14.57	815	8.24	11.65	15.6	20.1	24.1	27.6	30.6	32.6	35.1	38.1	42.6
1.07	13.0	14.0	1628	30.50	34.76	1079	26.03	28.13	810	21.50	22.95	---	---	14.2	17.7	20.7	22.7	25.3	28.3	32.8
1.08	12.0	13.0	1619	28.48	32.96	1073	23.68	26.15	805	19.46	21.23	---	---	15.8	19.3	22.3	24.3	26.8	29.8	34.3
1.09	11.0	12.0	1609	26.01	30.86	1066	21.22	24.07	800	17.36	19.45	---	13.4	17.4	20.9	23.9	25.9	28.4	31.4	35.9
1.10	10.0	11.0	1596	23.21	28.49	1058	18.65	21.90	794	15.21	17.62	---	15.0	19.0	22.5	25.5	27.5	30.0	33.0	37.5
			ARC-LENGTH CORRECTION FACTOR —>									**0.77**	**0.81**	**0.83**	**0.85**	**0.87**	**0.88**	**0.89**	**0.91**	**0.93**
1.10	9.5	10.5	1589	21.69	27.21	1054	17.32	20.77	790	14.11	16.69	11.2	15.7	19.7	23.2	26.2	28.2	30.7	33.7	38.2
1.11	9.0	10.0	1582	20.09	25.86	1048	15.96	19.63	786	13.00	15.74	12.0	16.5	20.5	24.0	27.0	29.0	31.5	34.5	39.0
1.11	8.5	9.5	1573	18.42	24.46	1043	14.58	18.46	782	11.88	14.79	12.8	17.3	21.3	24.8	27.8	29.8	32.3	35.3	39.8
1.12	8.0	9.0	1564	16.66	22.99	1037	13.18	17.27	777	10.74	13.82	13.6	18.1	22.1	25.6	28.6	30.6	33.1	36.1	40.6
1.12	16.0	18.0	1560	---	---	1034	32.53	33.67	775	27.43	28.00	---	---	---	---	---	17.2	19.7	22.7	27.2
1.13	7.5	8.5	1553	14.86	21.47	1030	11.75	16.06	772	9.59	12.84	14.4	18.9	22.9	26.4	29.4	31.4	33.9	36.9	41.4
1.14	7.0	8.0	1542	13.01	19.89	1022	10.30	14.83	766	8.43	11.84	15.2	19.7	23.7	27.2	30.2	32.2	34.7	37.7	42.2
1.14	10.5	12.0	1538	24.89	29.96	1020	20.11	23.16	765	16.41	18.66	---	13.8	17.8	21.3	24.3	26.3	28.8	31.8	36.3
1.14	14.0	16.0	1537	32.70	36.64	1019	28.51	30.26	764	23.67	24.82	---	---	---	15.4	18.4	20.4	22.9	25.9	30.4
1.15	9.5	11.0	1520	21.94	27.46	1007	17.49	20.94	756	14.24	16.81	10.8	15.3	19.3	22.8	25.8	27.8	30.3	33.3	37.9
1.16	9.0	10.5	1509	20.35	26.12	1000	16.13	19.80	750	13.13	15.87	11.6	16.1	20.1	23.6	26.6	28.6	31.1	34.1	38.6
1.16	12.0	14.0	1507	28.90	33.38	999	23.96	26.43	749	19.66	21.43	---	---	15.0	18.5	21.5	23.5	26.0	29.0	33.5
1.17	8.5	10.0	1498	18.68	24.72	993	14.76	18.63	745	12.01	14.92	12.4	16.9	20.9	24.4	27.4	29.4	31.9	34.9	39.4
1.18	11.0	13.0	1489	26.44	31.30	987	21.51	24.36	740	17.57	19.66	---	12.6	16.6	20.1	23.1	25.1	27.6	30.6	35.1
1.18	8.0	9.5	1486	16.95	23.26	984	13.36	17.45	738	10.88	13.95	13.2	17.7	21.7	25.2	28.2	30.2	32.7	35.7	40.2
1.19	7.5	9.0	1471	15.15	21.74	975	11.93	16.24	731	9.73	12.97	14.0	18.5	22.5	26.0	29.0	31.0	33.5	36.5	41.0
1.19	10.0	12.0	1468	23.65	28.94	973	18.94	22.19	730	15.43	17.84	---	14.1	18.2	21.7	24.7	26.7	29.2	32.2	36.7
1.20	7.0	8.5	1455	13.28	20.17	964	10.49	15.01	723	8.57	11.98	14.8	19.3	23.3	26.8	29.8	31.8	34.3	37.3	41.8
1.21	9.0	11.0	1443	20.65	26.32	956	16.27	19.93	717	13.23	15.97	11.2	15.7	19.7	23.2	26.2	28.2	30.7	33.7	38.2
1.22	13.0	16.0	1430	31.27	35.45	948	26.48	28.58	711	21.84	23.29	---	---	---	16.1	19.1	21.1	23.6	26.6	31.1
1.22	8.5	10.5	1429	18.89	24.92	947	14.89	18.77	710	12.11	15.02	12.0	16.5	20.5	24.0	27.0	29.0	31.5	34.5	39.0
1.23	10.5	13.0	1424	25.24	30.31	944	20.34	23.39	708	16.59	18.84	---	12.9	17.0	20.5	23.5	25.5	28.0	31.0	35.5
1.24	8.0	10.0	1413	17.15	23.48	937	13.49	17.58	703	10.98	14.05	12.8	17.3	21.3	24.8	27.8	29.8	32.3	35.3	39.8
1.24	16.0	20.0	1407	---	---	933	32.84	33.98	699	27.66	28.23	---	---	---	---	---	---	18.1	21.1	25.6
1.25	9.5	12.0	1397	22.29	27.82	926	17.72	21.18	695	14.41	16.99	---	14.5	18.5	22.0	25.0	27.0	29.5	32.5	37.1
1.25	7.5	9.5	1396	15.35	21.94	926	12.07	16.37	694	9.83	13.07	13.6	18.1	22.1	25.6	28.6	30.6	33.1	36.1	40.6
1.26	11.0	14.0	1385	26.73	31.58	918	21.69	24.55	689	17.72	19.80	---	---	15.8	19.3	22.3	24.3	26.8	29.8	34.3
1.27	7.0	9.0	1378	13.48	20.37	913	10.62	15.14	665	8.67	12.08	14.4	18.9	22.9	26.4	29.4	31.4	33.9	36.9	41.4
1.28	14.0	18.0	1370	33.18	37.12	908	28.82	30.58	681	23.91	25.06	---	---	---	---	16.7	18.7	21.2	24.2	28.8
1.28	8.5	11.0	1366	19.04	25.07	906	14.99	18.87	679	12.19	15.09	11.6	16.1	20.1	23.6	26.6	28.6	31.1	34.1	38.6
1.29	10.0	13.0	1358	23.93	29.22	900	19.13	22.38	675	15.57	17.98	---	13.3	17.3	20.8	23.8	25.9	28.4	31.4	35.9
1.30	8.0	10.5	1349	17.31	23.61	894	13.59	17.68	670	11.05	14.13	12.4	16.9	20.9	24.4	27.4	29.4	31.9	34.9	39.4
1.32	7.5	10.0	1329	15.50	22.09	881	12.17	16.47	661	9.91	13.15	13.2	17.7	21.7	25.2	28.2	30.2	32.7	35.7	40.2
1.32	9.0	12.0	1327	20.83	26.60	879	16.45	20.12	660	13.37	16.11	---	14.9	18.9	22.4	25.4	27.4	29.9	32.9	37.4
1.32	10.5	14.0	1325	25.47	30.54	878	20.49	23.54	659	16.70	18.95	---	---	16.1	19.6	22.6	24.7	27.2	30.2	34.7
1.32	12.0	16.0	1323	29.37	33.85	877	24.28	26.74	658	19.90	21.67	---	---	---	16.9	19.9	21.9	24.4	27.4	31.9
1.34	7.0	9.5	1308	13.63	20.52	867	10.72	15.24	650	8.74	12.15	13.9	18.5	22.5	26.0	29.0	31.0	33.5	36.5	41.0
1.35	9.5	13.0	1293	22.52	28.04	857	17.87	21.32	643	14.52	17.10	---	13.7	17.7	21.2	24.2	26.2	28.7	31.7	36.2
1.36	8.0	11.0	1289	17.42	23.73	855	13.67	17.76	641	11.11	14.19	11.9	16.5	20.5	24.0	27.0	29.0	31.5	34.5	39.0
1.37	13.0	18.0	1274	31.61	35.79	845	26.71	28.81	634	22.01	23.46	---	---	---	---	17.4	19.5	22.0	25.0	29.5
1.38	7.5	10.5	1268	15.62	22.21	841	12.24	16.65	631	9.96	13.20	12.7	17.3	21.3	24.8	27.8	29.8	32.3	35.3	39.8
			ARC-LENGTH CORRECTION FACTOR —>									**0.75**	**0.79**	**0.82**	**0.84**	**0.86**	**0.87**	**0.89**	**0.90**	**0.92**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

C	S-L CLASSIC	CX	CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	C112 CX112	C120 CX120	C128 CX128	C136 CX136	C144 CX144	C158 CX158	C162 CX162	C173 CX173	C180 CX180	C195 CX195	C210 CX210	C240 CX240	C270 CX270	C300 CX300	C330 CX330	C360 CX360	C390 CX390	C420 CX420
1.00	46.5	50.5	54.5	58.5	62.5	69.5	71.5	77.0	80.5	88.0	95.5	109.5	124.5	139.5	154.5	169.5	184.5	199.5
1.00	45.7	49.7	53.7	57.7	61.7	68.7	70.7	76.2	79.7	87.2	94.7	108.7	123.7	138.7	153.7	168.7	183.7	198.7
1.00	44.9	48.9	52.9	56.9	60.9	67.9	69.9	75.4	78.9	86.4	93.9	107.9	122.9	137.9	152.9	167.9	182.9	197.9
1.00	44.1	48.1	52.1	56.1	60.1	67.1	69.1	74.6	78.1	85.6	93.1	107.1	122.1	137.1	152.1	167.1	182.1	197.1
1.00	43.3	47.3	51.3	55.3	59.3	66.3	68.3	73.8	77.3	84.8	92.3	106.3	121.3	136.3	151.3	166.3	181.3	196.3
1.00	42.5	46.5	50.5	54.5	58.5	65.5	67.5	73.0	76.5	84.0	91.5	105.5	120.5	135.5	150.5	165.5	180.5	195.5
1.00	41.8	45.8	49.7	53.7	57.7	64.8	66.8	72.3	75.8	83.3	90.8	104.8	119.7	134.8	149.7	164.8	179.8	194.7
1.00	41.0	45.0	49.0	53.0	57.0	64.0	66.0	71.5	75.0	82.5	90.0	104.0	119.0	134.0	149.0	164.0	179.0	194.0
1.00	40.2	44.2	48.2	52.2	56.2	63.2	65.2	70.7	74.2	81.7	89.2	103.2	118.2	133.2	148.2	163.2	178.2	193.2
1.00	38.6	42.6	46.6	50.6	54.6	61.6	63.6	69.1	72.6	80.1	87.6	101.6	116.6	131.6	146.6	161.6	176.6	191.6
1.00	37.0	41.0	45.0	49.0	53.0	60.0	62.0	67.5	71.0	78.5	86.0	100.0	115.0	130.0	145.0	160.0	175.0	190.0
1.00	35.5	39.5	43.5	47.5	51.5	58.5	60.5	66.0	69.5	77.0	84.5	98.5	113.5	128.5	143.5	158.5	173.5	188.5
1.00	32.3	35.3	40.3	44.3	48.3	55.3	57.3	62.8	66.3	73.8	81.3	95.3	110.3	125.3	140.3	155.3	170.3	185.3
1.05	40.6	44.6	48.6	52.6	56.6	63.6	65.6	71.1	74.6	82.1	89.6	103.6	118.6	133.6	148.6	163.6	178.6	193.6
1.05	41.4	45.4	49.4	53.4	57.4	64.4	66.4	71.9	75.4	82.9	90.4	104.4	119.4	134.4	149.4	164.4	179.4	194.4
1.05	42.1	48.1	50.1	54.1	58.1	65.1	67.1	72.6	76.1	83.6	91.1	105.1	120.1	135.1	150.1	165.1	180.1	195.1
1.05	42.9	46.9	50.9	54.9	58.9	65.9	67.9	73.4	76.9	84.4	91.9	105.9	120.9	135.9	150.9	165.9	180.9	195.9
1.06	43.7	47.7	51.7	55.7	59.7	66.7	68.7	74.2	77.7	85.2	92.7	106.7	121.7	136.7	151.7	166.7	181.7	196.7
1.06	44.5	48.5	52.5	56.5	60.5	67.5	69.5	75.0	78.5	86.0	93.5	107.5	122.5	137.5	152.5	167.5	182.5	197.5
1.06	45.3	49.3	53.3	57.3	61.3	68.3	70.3	75.8	79.3	86.8	94.3	108.3	123.3	138.3	153.3	168.3	183.3	198.3
1.07	48.1	50.1	54.1	58.1	62.1	69.1	71.1	76.6	80.1	87.6	95.1	109.1	124.1	139.1	154.1	169.1	184.1	199.1
1.07	36.3	40.3	44.3	48.3	52.3	59.3	61.3	66.8	70.3	77.8	85.3	99.3	114.3	129.3	144.3	159.3	174.3	189.3
1.08	37.8	41.8	45.8	49.8	53.8	60.8	62.8	68.3	71.8	79.3	86.8	100.8	115.8	130.8	145.8	160.8	175.8	190.8
1.09	39.4	43.4	47.4	51.4	55.4	62.4	64.4	69.9	73.4	80.9	88.4	102.4	117.4	132.4	147.4	162.4	177.4	192.4
1.10	41.0	45.0	49.0	53.0	57.0	64.0	66.0	71.5	75.0	82.5	90.0	104.0	119.0	134.0	149.0	164.0	179.0	194.0
	0.94	**0.96**	**0.97**	**0.99**	**1.00**	**1.02**	**1.03**	**1.04**	**1.05**	**1.07**	**1.08**	**1.11**	**1.14**	**1.16**	**1.18**	**1.20**	**1.22**	**1.24**
1.10	41.7	45.7	49.7	53.7	57.7	64.7	66.7	72.2	75.7	83.2	90.7	104.7	119.7	134.7	149.7	164.7	179.7	194.7
1.11	42.5	46.5	50.5	54.5	58.5	65.5	67.5	73.0	76.5	84.0	91.5	105.5	120.5	135.5	150.5	165.5	180.5	195.5
1.11	43.3	47.3	51.3	55.3	59.3	66.3	68.3	73.8	77.3	84.8	92.3	106.3	121.3	136.3	151.3	166.3	181.3	196.3
1.12	44.1	48.1	52.1	56.1	60.1	67.1	69.1	74.6	78.1	85.6	93.1	107.1	122.1	137.1	152.1	167.1	182.1	197.1
1.12	30.7	34.7	38.7	42.7	46.7	53.8	55.8	61.3	64.8	72.3	79.8	93.8	108.8	123.8	138.8	153.8	168.8	183.8
1.13	44.9	48.9	52.9	56.9	60.9	67.9	69.9	75.4	78.9	86.4	93.9	107.9	122.9	137.9	152.9	167.9	182.9	197.9
1.14	45.7	49.7	53.7	57.7	61.7	68.7	70.7	76.2	79.7	87.2	94.7	108.7	123.7	138.7	153.7	168.7	183.7	198.7
1.14	39.8	43.8	47.8	51.8	55.8	62.8	64.8	70.3	73.8	81.3	88.8	102.8	117.8	132.8	147.8	162.8	177.8	192.8
1.14	33.9	37.9	41.9	45.9	49.9	56.9	58.9	64.4	67.9	75.4	82.9	96.9	111.9	126.9	141.9	156.9	171.9	186.9
1.15	41.4	45.4	49.4	53.4	57.4	64.4	66.4	71.9	75.4	82.9	90.4	104.4	119.4	134.4	149.4	164.4	179.4	194.4
1.16	42.1	46.1	50.1	54.1	58.1	65.1	67.1	72.6	76.1	83.6	91.1	105.1	120.1	135.1	150.1	165.1	180.1	195.1
1.16	37.0	41.0	45.0	49.0	53.0	60.0	62.0	67.5	71.0	78.5	86.0	100.0	115.0	130.0	145.0	160.0	175.0	190.0
1.17	42.9	46.9	50.9	54.9	58.9	65.9	67.9	73.4	76.9	84.4	91.9	105.9	120.9	135.9	150.9	165.9	180.9	195.9
1.18	38.6	42.6	48.6	50.6	54.6	61.6	63.6	69.1	72.6	80.1	87.6	101.6	116.6	131.6	146.6	161.6	176.6	191.6
1.18	43.7	47.7	51.7	55.7	59.7	66.7	68.7	74.2	77.7	85.2	92.7	106.7	121.7	136.7	151.7	166.7	181.7	196.7
1.19	44.5	48.5	52.5	56.5	60.5	67.5	69.5	75.0	78.5	86.0	93.5	107.5	122.5	137.5	152.5	167.5	182.5	197.5
1.19	40.2	44.2	48.2	52.2	56.2	63.2	65.2	70.7	74.2	81.7	89.2	103.2	118.2	133.2	148.2	163.2	178.2	193.2
1.20	45.3	49.3	53.3	57.3	61.3	68.3	70.3	75.8	79.3	86.8	94.3	108.3	123.3	138.3	153.3	168.3	183.3	198.3
1.21	41.7	45.7	49.7	53.7	57.7	64.7	66.7	72.2	75.7	83.2	90.7	104.7	119.7	134.7	149.7	164.7	179.7	194.7
1.22	34.7	38.7	42.7	46.7	50.7	57.7	59.7	65.2	68.7	76.2	83.7	97.7	112.7	127.7	142.7	157.7	172.7	187.7
1.22	42.5	46.5	50.5	54.5	58.5	65.5	67.5	73.0	76.5	84.0	91.5	105.5	120.5	135.5	150.5	165.5	180.5	195.5
1.23	39.0	43.0	47.0	51.0	55.0	62.0	64.0	69.5	73.0	80.5	88.0	102.0	117.0	132.0	147.0	162.0	177.0	192.0
1.24	43.3	47.3	51.3	55.3	59.3	66.3	68.3	73.8	77.3	84.8	92.3	106.3	121.3	136.3	151.3	166.3	181.3	196.3
1.24	29.1	33.1	37.1	41.1	45.1	52.2	54.2	59.7	63.2	70.7	78.2	92.2	107.2	122.2	137.2	152.2	167.2	182.2
1.25	40.6	44.6	48.6	52.6	56.6	63.6	65.6	71.1	74.6	82.1	89.6	103.6	118.6	133.6	148.6	163.6	178.6	193.6
1.25	44.1	48.1	52.1	56.1	60.1	67.1	69.1	74.6	78.1	85.6	93.1	107.1	122.1	137.1	152.1	167.1	182.1	197.1
1.26	37.8	41.8	45.8	49.8	53.8	60.8	62.8	68.3	71.8	79.3	86.8	100.8	115.8	130.8	145.8	160.8	175.8	190.8
1.27	44.9	48.9	52.9	56.9	60.9	67.9	69.9	75.4	78.9	86.4	93.9	107.9	122.9	137.9	152.9	167.9	182.9	197.9
1.28	32.3	36.3	40.3	44.3	48.3	55.3	57.3	62.8	66.3	73.8	81.3	95.3	110.3	125.3	140.3	155.3	170.3	185.3
1.28	42.1	46.1	50.1	54.1	58.1	65.1	67.1	72.6	76.1	83.6	91.1	105.1	120.1	135.1	150.1	165.1	180.1	195.1
1.29	39.4	43.4	47.4	51.4	55.4	62.4	64.4	69.9	73.4	80.9	88.4	102.4	117.4	132.4	147.4	162.4	177.4	192.4
1.30	42.9	46.9	50.9	54.9	58.9	65.9	67.9	73.4	76.9	84.4	91.9	105.9	120.9	135.9	150.9	165.9	180.9	195.9
1.32	43.7	47.7	51.7	55.7	59.7	66.7	68.7	74.2	77.7	85.2	92.7	106.7	121.7	136.7	151.7	166.7	181.7	196.7
1.32	40.9	44.9	48.9	52.9	56.9	63.9	65.9	71.4	74.9	82.5	90.0	104.0	119.0	134.0	149.0	164.0	179.0	194.0
1.32	38.2	42.2	46.2	50.2	54.2	61.2	63.2	68.7	72.2	79.7	87.2	101.2	116.2	131.2	146.2	161.2	176.2	191.2
1.32	35.4	39.4	43.4	47.4	51.4	58.4	60.4	65.9	69.4	76.9	84.4	98.4	113.5	128.5	143.5	158.5	173.5	188.5
1.34	44.5	48.5	52.5	56.5	60.5	67.5	69.5	75.0	78.5	86.0	93.5	107.5	122.5	137.5	152.5	167.5	182.5	197.5
1.35	39.7	43.8	47.8	51.8	55.8	62.8	64.8	70.3	73.8	81.3	88.8	102.8	117.8	132.8	147.8	162.8	177.8	192.8
1.36	42.5	46.5	50.5	54.5	58.5	65.5	67.5	73.0	76.5	84.0	91.5	105.5	120.5	135.5	150.5	165.5	180.5	195.5
1.37	33.0	37.0	41.0	45.0	49.1	56.1	58.1	63.6	67.1	74.6	82.1	96.1	111.1	126.1	141.1	156.1	171.1	186.1
1.38	43.3	47.3	51.3	55.3	59.3	66.3	68.3	73.8	77.3	84.8	92.3	106.3	121.3	136.3	151.3	166.3	181.3	196.3
	0.94	**0.95**	**0.97**	**0.98**	**0.99**	**1.02**	**1.03**	**1.04**	**1.05**	**1.06**	**1.08**	**1.11**	**1.14**	**1.16**	**1.18**	**1.20**	**1.22**	**1.24**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

C S-L CLASSIC | **CX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Size/Center Distance								
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		C51	C60	C68	C75	C81	C85	C90	C96	C105
	Driver	Driven	RPM	C	CX	RPM	C	CX	RPM	C	CX	CX51	CX60	CX68	CX75	CX81	CX85	CX90	CX96	CX105
1.38	10.0	14.0	1264	24.12	29.40	838	19.25	22.50	628	15.66	18.07	---	12.4	16.5	20.0	23.0	25.0	27.5	30.5	35.1
1.39	8.5	12.0	1256	19.26	25.29	833	15.14	19.01	624	12.29	15.20	10.7	15.3	19.3	22.8	25.8	27.8	30.3	33.3	37.8
1.41	7.0	10.0	1245	13.74	20.63	825	10.79	15.31	619	8.80	12.21	13.5	18.0	22.1	25.6	28.6	30.6	33.1	36.1	40.6
1.42	14.0	20.0	1235	33.44	37.38	819	28.99	30.75	614	24.03	25.19	---	---	---	---	---	---	19.5	22.6	27.1
1.43	9.0	13.0	1228	21.00	26.77	814	16.57	20.23	610	13.46	16.20	---	14.0	18.1	21.6	24.6	26.6	29.1	32.1	36.6
1.44	11.0	16.0	1216	27.05	31.90	806	21.91	24.76	605	17.88	19.96	---	---	14.0	17.6	20.6	22.6	25.1	28.1	32.7
1.44	7.5	11.0	1213	15.71	22.30	804	12.30	16.61	603	10.01	13.25	12.3	16.8	20.9	24.4	27.4	29.4	31.9	34.9	39.4
1.45	9.5	14.0	1203	22.67	28.19	797	17.97	21.42	598	14.60	17.17	---	12.8	16.9	20.4	23.4	25.4	27.9	30.9	35.4
1.47	7.0	10.5	1188	13.83	20.71	788	10.85	15.37	591	8.84	12.25	13.1	17.6	21.6	25.2	28.2	30.2	32.7	35.7	40.2
1.48	8.0	12.0	1185	17.59	23.90	786	13.78	17.87	589	11.19	14.27	11.1	15.6	19.6	23.2	26.2	28.2	30.7	33.7	38.2
1.48	12.0	18.0	1179	29.61	34.09	782	24.43	26.90	596	20.02	21.79	---	---	---	---	15.1	18.2	20.2	22.7	25.7	30.3
1.49	16.0	24.0	1176	---	---	780	33.13	34.26	585	27.88	28.45	---	---	---	---	---	---	---	---	---	22.2
1.50	10.5	16.0	1163	25.74	30.80	771	20.67	23.72	578	16.83	19.08	---	---	14.4	17.9	21.0	23.0	25.5	28.5	33.0
1.51	8.5	13.0	1162	19.39	25.43	770	15.23	19.10	578	12.36	15.27	---	14.4	18.4	22.0	25.0	27.0	29.5	32.5	37.0
1.52	13.0	20.0	1150	31.80	35.97	762	26.83	28.93	571	22.10	23.55	---	---	---	---	---	17.7	20.2	23.3	27.8
1.53	9.0	14.0	1142	21.12	26.89	757	16.65	20.31	568	13.51	16.25	---	13.2	17.2	20.7	23.8	25.8	28.3	31.3	35.8
1.54	7.0	11.0	1136	13.90	20.78	753	10.89	15.41	565	8.87	12.28	12.7	17.2	21.2	24.7	27.7	29.8	32.3	35.3	39.8
1.57	7.5	12.0	1115	15.83	22.42	739	12.39	16.69	554	10.07	13.31	11.4	16.0	20.0	23.5	26.5	28.6	31.1	34.1	38.6
1.58	10.0	16.0	1110	24.33	29.62	735	19.39	22.64	552	15.77	18.18	---	---	14.7	18.3	21.3	23.3	25.9	28.9	33.4
1.60	8.0	13.0	1097	17.69	24.00	727	13.85	17.94	545	11.25	14.32	---	14.8	18.8	22.3	25.3	27.4	29.9	32.9	37.4
1.61	11.0	18.0	1084	27.21	32.06	719	22.01	24.87	539	17.96	20.04	---	---	---	15.8	18.9	20.9	23.4	26.5	31.0
1.62	8.5	14.0	1082	19.48	25.52	717	15.29	19.16	538	12.41	15.31	---	13.5	17.6	21.1	24.1	26.1	28.7	31.7	36.2
1.65	12.0	20.0	1064	29.74	34.22	705	24.52	26.99	529	20.08	21.85	---	---	---	---	16.3	18.4	20.9	24.0	28.5
1.66	9.5	16.0	1056	22.83	28.36	700	18.08	21.53	525	14.68	17.26	---	---	15.1	18.6	21.7	23.7	26.2	29.3	33.8
1.67	16.0	27.0	1047	---	---	694	33.22	34.36	521	27.95	28.52	---	---	---	---	---	---	---	---	---
ARC-LENGTH CORRECTION FACTOR —>												**0.75**	**0.79**	**0.82**	**0.84**	**0.86**	**0.87**	**0.88**	**0.90**	**0.92**
1.68	7.0	12.0	1044	13.99	20.87	692	10.95	15.48	519	8.92	12.33	11.8	16.3	20.4	23.9	26.9	28.9	31.4	34.4	39.0
1.69	10.5	18.0	1037	25.87	30.93	687	20.75	23.80	515	16.90	19.15	---	---	---	16.1	19.2	21.2	23.8	26.8	31.4
1.69	14.0	24.0	1033	33.67	37.62	685	29.15	30.91	513	24.15	25.31	---	---	---	---	---	---	---	---	23.6
1.70	7.5	13.0	1032	15.91	22.50	684	12.44	16.74	513	10.11	13.35	10.5	15.1	19.2	22.7	25.7	27.7	30.2	33.2	37.8
1.71	8.0	14.0	1021	17.76	24.07	677	13.90	17.99	507	11.28	14.35	---	13.9	17.9	21.5	24.5	26.5	29.0	32.0	36.6
1.74	9.0	16.0	1003	21.25	27.02	665	16.73	20.40	499	13.56	16.32	---	---	15.4	19.0	22.0	24.1	26.6	29.6	34.1
1.77	10.0	18.0	989	24.44	29.72	656	19.46	22.71	492	15.82	18.23	---	---	---	16.5	19.6	21.6	24.1	27.2	31.7
1.79	11.0	20.0	978	27.30	32.15	648	22.07	24.93	486	18.00	20.09	---	---	---	---	17.0	19.1	21.6	24.7	29.3
1.81	7.0	13.0	966	14.05	20.93	641	10.99	15.52	480	8.95	12.36	10.8	15.5	19.5	23.1	26.1	28.1	30.6	33.6	38.1
1.82	13.0	24.0	961	31.97	36.15	637	26.94	29.05	478	22.18	23.64	---	---	---	---	---	---	---	19.6	24.3
1.82	7.5	14.0	960	15.97	22.56	636	12.47	16.78	477	10.14	13.38	---	14.2	18.3	21.8	24.9	26.9	29.4	32.4	36.9
1.84	8.5	16.0	950	19.59	25.62	630	15.36	19.23	472	12.46	15.37	---	---	15.8	19.4	22.4	24.4	27.0	30.0	34.5
1.85	16.0	30.0	944	---	---	626	33.27	34.41	469	27.98	28.56	---	---	---	---	---	---	---	---	---
1.86	9.5	18.0	942	22.92	28.44	624	18.14	21.59	468	14.73	17.30	---	---	---	16.8	19.9	22.0	24.5	27.5	32.1
1.87	10.5	20.0	935	25.94	31.01	620	20.80	23.85	465	16.93	19.18	---	---	---	---	17.4	19.4	22.0	25.1	29.6
1.90	14.0	27.0	920	33.75	37.70	610	29.20	30.96	457	24.19	25.35	---	---	---	---	---	---	---	---	20.7
1.95	7.0	14.0	899	14.09	20.97	596	11.02	15.54	447	8.97	12.38	---	14.5	18.6	22.2	25.2	27.2	29.8	32.8	37.3
1.95	8.0	16.0	896	17.85	24.15	594	13.95	18.04	446	11.32	14.40	---	---	16.1	19.7	22.8	24.8	27.3	30.3	34.9
1.96	9.0	18.0	894	21.32	27.10	593	16.78	20.44	444	13.61	16.36	---	---	13.5	17.2	20.3	22.3	24.8	27.9	32.4
1.96	10.0	20.0	892	24.60	29.79	591	19.50	22.75	444	15.85	18.26	---	---	---	---	17.7	19.8	22.3	25.4	30.0
1.97	12.0	24.0	889	29.87	34.35	590	24.60	27.07	442	20.15	21.92	---	---	---	---	---	---	---	20.3	25.0
2.04	13.0	27.0	856	32.03	36.21	567	26.98	29.09	425	22.21	23.67	---	---	---	---	---	---	---	---	21.4
2.06	9.5	20.0	849	22.97	28.50	563	18.17	21.63	422	14.75	17.33	---	---	---	14.9	18.0	20.1	22.7	25.8	30.3
2.07	8.5	18.0	846	19.65	25.68	561	15.40	19.27	421	12.49	15.39	---	---	13.8	17.5	20.6	22.6	25.2	28.2	32.8
2.08	7.5	16.0	843	16.03	22.62	559	12.52	16.82	419	10.17	13.41	---	12.3	16.5	20.1	23.1	25.1	27.7	30.7	35.2
2.11	14.0	30.0	829	33.80	37.74	549	29.24	30.99	412	24.22	25.37	---	---	---	---	---	---	---	---	---
2.14	11.0	24.0	818	27.39	32.24	542	22.13	24.99	406	18.05	20.13	---	---	---	---	---	---	17.8	21.0	25.7
2.17	9.0	20.0	806	21.37	27.14	535	16.81	20.47	401	13.64	16.38	---	---	---	15.2	18.4	20.4	23.0	26.1	30.7
2.19	8.0	18.0	799	17.89	24.20	530	13.98	18.07	397	11.34	14.42	---	---	14.2	17.8	20.9	23.0	25.6	28.6	33.2
2.21	12.0	27.0	792	29.91	34.39	525	24.63	27.10	394	20.17	21.94	---	---	---	---	---	---	---	---	22.1
2.22	7.0	16.0	790	14.14	21.03	523	11.05	15.58	393	9.00	12.41	---	12.6	16.8	20.4	23.5	25.5	28.0	31.1	35.6
2.22	16.0	36.0	788	---	---	523	33.33	34.46	392	28.02	28.59	---	---	---	---	---	---	---	---	---
2.24	10.5	24.0	782	26.02	31.08	518	20.85	23.90	389	16.97	19.22	---	---	---	---	---	---	18.1	21.3	26.0
2.27	13.0	30.0	771	32.07	36.24	511	27.01	29.11	383	2223	23.69	---	---	---	---	---	---	---	---	---
ARC-LENGTH CORRECTION FACTOR —>												**0.74**	**0.78**	**0.81**	**0.83**	**0.85**	**0.86**	**0.88**	**0.89**	**0.91**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

C S-L CLASSIC | **CX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	C112 CX112	C120 CX120	C128 CX128	C136 CX136	C144 CX144	C158 CX158	C162 CX162	C173 CX173	C180 CX180	C195 CX195	C210 CX210	C240 CX240	C270 CX270	C300 CX300	C330 CX330	C360 CX360	C390 CX390	C420 CX420
1.38	38.6	42.6	46.6	50.6	54.6	61.6	63.6	69.1	72.6	80.1	87.6	101.6	116.6	131.6	146.6	161.6	176.6	191.6
1.39	41.3	45.3	49.3	53.3	57.3	64.3	66.3	71.8	75.3	82.8	90.3	104.3	119.3	134.3	149.3	164.3	179.3	194.3
1.41	44.1	48.1	52.1	56.1	60.1	67.1	69.1	74.6	78.1	85.6	93.1	107.1	122.1	137.1	152.1	167.1	182.1	197.1
1.42	30.6	34.6	38.6	42.7	46.7	53.7	55.7	61.2	64.7	72.2	79.7	93.7	108.7	123.7	138.7	153.7	168.7	183.7
1.43	40.1	44.1	48.1	52.1	56.1	63.1	65.1	70.7	74.2	81.7	89.2	103.2	118.2	133.2	148.2	163.2	178.2	193.2
1.44	36.2	40.2	44.2	48.2	52.2	59.2	61.2	66.7	70.2	77.7	85.2	99.2	114.2	129.2	144.2	159.2	174.2	189.2
1.44	42.9	46.9	50.9	54.9	58.9	65.9	67.9	73.4	76.9	84.4	91.9	105.9	120.9	135.9	150.9	165.9	180.9	195.9
1.45	38.9	42.9	46.9	51.0	55.0	62.0	64.0	69.5	73.0	80.5	88.0	102.0	117.0	132.0	147.0	162.0	177.0	192.0
1.47	43.7	47.7	51.7	56.7	59.7	66.7	68.7	74.2	77.7	85.2	92.7	106.7	121.7	136.7	151.7	166.7	181.7	196.7
1.48	41.7	45.7	49.7	53.7	57.7	64.7	66.7	72.2	75.7	83.2	90.7	104.7	119.7	134.7	149.7	164.7	179.7	194.7
1.48	33.8	37.8	41.8	45.8	49.8	56.8	58.8	64.3	67.8	75.3	82.8	96.9	111.9	126.9	141.9	156.9	171.9	185.9
1.49	25.7	29.8	33.8	37.8	41.9	48.9	50.9	56.4	59.9	67.4	74.9	89.0	104.0	119.0	134.0	149.0	164.0	179.0
1.50	36.5	40.6	44.6	48.6	52.6	59.6	61.6	67.1	70.6	78.1	85.6	99.6	114.6	129.6	144.6	159.6	174.6	189.6
1.51	40.5	44.5	48.5	52.5	56.5	63.5	65.5	71.0	74.5	82.0	89.5	103.5	118.6	133.6	148.6	163.6	178.6	193.6
1.52	31.3	35.4	39.4	43.4	47.4	54.4	56.4	61.9	65.5	73.0	80.5	94.5	109.5	124.5	139.5	154.5	169.5	184.5
1.53	39.3	43.3	47.3	51.3	55.3	62.3	64.3	69.9	73.4	80.9	88.4	102.4	117.4	132.4	147.4	162.4	177.4	192.4
1.54	43.3	47.3	51.3	58.3	59.3	56.3	68.3	73.8	77.3	84.8	92.3	106.3	121.3	136.3	151.3	166.3	181.3	196.3
1.57	42.1	46.1	50.1	54.1	58.1	65.1	67.1	72.6	76.1	83.6	91.1	105.1	120.1	135.1	150.1	165.1	180.1	195.1
1.58	36.9	40.9	44.9	48.9	53.0	60.0	62.0	67.5	71.0	78.5	86.0	100.0	115.0	130.0	145.0	160.0	175.0	190.0
1.60	40.9	44.9	48.9	52.9	56.9	63.9	65.9	71.4	74.9	82.4	89.9	103.9	118.9	133.9	148.9	163.9	178.9	193.9
1.61	34.5	38.5	42.5	46.6	50.6	57.6	59.6	65.1	68.6	76.1	83.6	97.6	112.6	127.6	142.6	157.6	172.6	187.7
1.62	39.7	43.7	47.7	51.7	55.7	62.7	64.7	70.2	73.7	81.2	88.7	102.8	117.8	132.8	147.8	162.8	177.8	192.8
1.65	32.1	36.1	40.1	44.1	48.2	55.2	57.2	62.7	66.2	73.7	81.2	95.2	110.3	125.3	140.3	155.3	170.3	185.3
1.66	37.3	41.3	45.3	49.3	53.3	60.3	62.3	67.9	71.4	78.9	86.4	100.4	115.4	130.4	145.4	160.4	175.4	190.4
1.67	23.0	27.1	31.2	35.3	39.3	46.4	48.4	53.9	57.4	65.0	72.5	86.5	101.5	116.6	131.6	146.6	161.6	176.6
	0.94	**0.95**	**0.97**	**0.98**	**0.99**	**1.01**	**1.02**	**1.03**	**1.04**	**1.06**	**1.08**	**1.11**	**1.03**	**1.16**	**1.18**	**1.20**	**1.22**	**1.24**
1.66	42.5	46.5	50.5	54.5	58.5	65.5	67.5	73.0	76.5	84.0	91.5	105.5	120.5	135.5	150.5	165.5	180.5	195.5
1.69	34.9	38.9	42.9	46.9	50.9	58.0	60.0	65.5	69.0	76.5	84.0	98.0	113.0	128.0	143.0	158.0	173.0	188.0
1.69	27.2	31.2	35.3	39.3	43.3	50.4	52.4	57.9	61.4	68.9	76.5	90.5	105.5	120.5	135.5	150.5	165.5	180.6
1.70	41.3	45.3	49.3	53.3	57.3	64.3	66.3	71.8	75.3	82.8	90.3	104.3	119.3	134.3	149.3	164.3	179.3	194.3
1.71	40.1	44.1	48.1	52.1	56.1	63.1	65.1	70.6	74.1	81.6	89.1	103.1	118.1	133.1	148.1	163.2	178.2	193.2
1.74	37.7	41.7	45.7	49.7	53.7	60.7	62.7	68.2	71.7	79.2	86.8	100.8	115.8	130.8	145.8	160.8	175.8	190.8
1.77	35.2	39.3	43.3	47.3	51.3	58.3	60.3	65.8	69.4	76.9	84.4	98.4	113.4	128.4	143.4	158.4	173.4	188.4
1.79	32.8	36.8	40.9	44.9	48.9	55.9	57.9	63.5	67.0	74.5	82.0	96.0	111.0	126.0	141.0	156.1	171.1	186.1
1.81	41.6	45.7	49.7	53.7	57.7	64.7	66.7	72.2	75.7	83.2	90.7	104.7	119.7	134.7	149.7	164.7	179.7	194.7
1.82	27.9	31.9	36.0	40.0	44.1	51.1	53.1	58.6	62.2	69.7	77.2	91.2	106.3	121.3	136.3	151.3	166.3	181.3
1.82	40.4	44.5	48.5	52.5	56.5	63.5	65.5	71.0	74.5	82.0	89.5	103.5	118.5	133.5	148.5	163.5	178.5	193.5
1.84	38.0	42.1	46.1	50.1	54.1	61.1	63.1	58.6	72.1	79.6	87.1	101.1	116.2	131.2	146.2	161.2	176.2	191.2
1.85	---	24.3	28.5	32.6	36.7	43.8	45.8	51.4	54.9	62.4	70.0	84.0	99.1	114.1	129.2	144.2	159.2	174.2
1.86	35.6	39.6	43.7	47.7	51.7	58.7	60.7	56.2	69.7	77.2	84.8	98.8	113.8	128.8	143.8	158.8	173.8	188.8
1.87	33.2	37.2	41.2	45.3	49.3	56.3	58.3	63.8	67.3	74.9	82.4	96.4	111.4	126.4	141.4	156.4	171.4	186.4
1.90	24.4	28.5	32.6	36.7	40.7	47.8	49.8	55.4	58.9	66.4	74.0	88.0	103.1	118.1	133.1	148.1	163.1	178.1
1.95	40.8	44.8	48.8	52.8	56.9	63.9	65.9	71.4	74.9	82.4	89.9	103.9	118.9	133.9	148.9	163.9	178.9	193.9
1.95	38.4	42.4	46.4	50.5	54.5	61.5	63.5	69.0	72.5	80.0	87.5	101.5	116.5	131.5	146.6	161.6	176.6	191.6
1.96	36.0	40.0	44.0	48.0	52.1	59.1	61.1	66.6	70.1	77.6	85.1	99.2	114.2	129.2	144.2	159.2	174.2	189.2
1.96	33.5	37.6	41.6	45.6	49.6	56.7	58.7	64.2	67.7	75.2	82.7	96.8	111.8	126.8	141.8	156.8	171.8	186.8
1.97	28.6	32.6	36.7	40.7	44.8	51.8	53.9	59.4	62.9	70.4	78.0	92.0	107.0	122.0	137.1	152.1	167.1	182.1
2.04	25.1	29.2	33.3	37.4	41.5	48.5	50.6	56.1	59.6	67.2	74.7	88.8	103.8	118.8	133.9	148.9	163.9	178.9
2.06	32.9	37.9	42.0	46.0	50.0	57.1	59.1	64.6	68.1	75.6	83.1	97.2	112.2	127.2	142.2	157.2	172.2	187.2
2.07	36.3	40.4	44.4	48.4	52.4	59.5	61.5	67.0	70.5	78.0	85.5	99.5	114.5	129.6	144.6	159.6	174.6	189.6
2.06	38.8	42.8	46.8	50.8	54.8	61.9	63.9	69.4	72.9	80.4	87.9	101.9	116.9	131.9	146.9	161.9	177.0	192.0
2.11	---	25.7	29.8	34.0	38.1	45.2	47.2	52.8	56.3	63.9	71.5	85.5	100.6	115.6	130.7	145.7	160.7	175.7
2.14	29.3	33.3	37.4	41.5	45.5	52.6	54.6	60.1	63.6	71.2	78.7	92.7	107.8	122.8	137.8	152.8	167.8	182.9
2.17	34.2	38.3	42.3	46.4	50.4	57.4	59.4	65.0	68.5	76.0	83.5	97.5	112.6	127.6	142.6	157.6	172.6	187.6
2.19	36.7	40.7	44.8	48.8	52.8	59.8	61.8	67.4	70.9	78.4	85.9	99.9	114.9	129.9	145.0	160.0	175.0	190.0
2.21	25.7	29.9	34.0	38.1	42.2	49.3	51.3	56.8	60.4	67.9	75.5	89.5	104.6	119.6	134.6	149.6	164.7	179.7
2.22	39.1	43.2	47.2	51.2	55.2	62.2	64.2	69.7	73.3	80.8	88.3	102.3	117.3	132.3	147.3	162.3	177.3	192.3
2.22	---	---	---	26.8	31.0	38.3	40.4	46.0	49.6	57.3	64.9	79.0	94.1	109.2	124.2	139.3	154.3	169.3
2.24	29.6	33.7	37.8	41.8	45.9	52.9	56.0	60.5	64.0	71.5	79.1	93.1	108.2	123.2	138.2	153.2	168.2	183.2
2.27	22.1	26.3	30.5	34.7	38.8	45.9	47.9	53.5	57.1	64.6	72.2	86.3	101.3	116.4	131.4	146.4	161.5	176.5
	0.93	**0.95**	**0.96**	**0.97**	**0.99**	**1.01**	**1.02**	**1.03**	**1.04**	**1.06**	**1.08**	**1.10**	**1.13**	**1.16**	**1.18**	**1.20**	**1.22**	**1.23**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

C S-L CLASSIC | **CX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Size/Center Distance								
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		C51	C60	C68	C75	C81	C85	C90	C96	C105
	Driver	Driven	RPM	C	CX	RPM	C	CX	RPM	C	CX	CX51	CX60	CX68	CX75	CX81	CX85	CX90	CX96	CX105
2.29	8.5	20.0	763	19.68	25.71	506	15.42	19.29	380	12.50	15.41	---	---	---	15.5	18.7	20.8	23.4	26.5	31.0
2.33	7.5	18.0	751	16.07	22.66	498	12.54	16.85	374	10.19	13.43	---	---	14.5	18.2	21.3	23.3	25.9	29.0	33.5
2.35	10.0	24.0	746	24.56	29.85	494	19.54	22.79	371	15.88	18.29	---	---	---	---	---	---	18.4	21.6	26.3
2.40	11.0	27.0	728	27.42	32.28	483	22.16	25.01	362	18.06	20.15	---	---	---	---	---	---	---	---	22.7
2.43	8.0	20.0	721	17.92	24.23	478	14.00	18.09	358	11.36	14.43	---	---	---	15.8	19.0	21.1	23.7	26.8	31.4
2.45	12.0	30.0	714	29.94	34.42	473	24.65	27.12	355	20.18	21.95	---	---	---	---	---	---	---	---	---
2.48	9.5	24.0	710	23.03	28.55	471	18.20	21.66	353	14.78	17.35	---	---	---	---	---	---	18.8	22.0	26.7
2.49	7.0	18.0	704	14.17	21.05	467	11.07	15.60	350	9.01	12.42	---	---	14.8	18.5	21.6	23.7	26.2	29.3	33.9
2.51	10.5	27.0	696	26.05	31.11	461	20.87	23.92	346	16.99	19.23	---	---	---	---	---	---	---	---	23.0
2.53	14.0	36.0	692	33.85	37.79	459	29.27	31.03	344	24.24	25.39	---	---	---	---	---	---	---	---	---
2.58	7.5	20.0	678	16.09	22.68	449	12.56	16.86	337	10.20	13.44	---	---	---	16.2	19.4	21.5	24.1	27.1	31.7
2.60	9.0	24.0	674	21.41	27.18	447	16.84	20.50	335	13.66	16.40	---	---	---	---	---	---	19.1	22.3	27.0
2.63	10.0	27.0	664	24.59	29.87	440	19.56	22.81	330	15.89	18.31	---	---	---	---	---	---	---	---	23.4
2.67	11.0	30.0	656	27.44	32.30	435	22.17	25.02	326	18.07	20.16	---	---	---	---	---	---	---	---	---
2.71	16.0	44.0	646	---	---	428	33.36	34.49	321	28.05	28.62	---	---	---	---	---	---	---	---	---
2.72	13.0	36.0	644	32.10	36.28	427	27.03	29.14	320	22.25	23.71	---	---	---	---	---	---	---	---	---
2.74	8.5	24.0	638	19.72	25.75	423	15.44	19.32	317	12.52	15.43	---	---	---	---	---	16.6	19.4	22.6	27.3
2.76	7.0	20.0	635	14.19	21.07	421	11.09	15.61	316	9.02	12.43	---	---	---	16.5	19.7	21.8	24.4	27.5	32.1
2.77	9.5	27.0	632	23.05	28.57	419	18.22	21.67	314	14.79	17.36	---	---	---	---	---	---	---	18.8	23.7
2.79	10.5	30.0	627	26.06	31.13	416	20.88	23.93	312	16.99	19.24	---	---	---	---	---	---	---	---	---
2.90	8.0	24.0	602	17.95	24.26	399	14.02	18.11	300	11.37	14.45	---	---	---	---	---	16.9	19.7	22.9	27.7
2.91	9.0	27.0	600	21.43	27.20	398	16.85	20.51	298	13.67	16.41	---	---	---	---	---	---	---	19.1	24.0
2.92	10.0	30.0	599	24.60	29.89	397	19.57	22.82	298	15.90	18.31	---	---	---	---	---	---	---	---	20.1
2.94	12.0	36.0	596	29.97	34.45	395	24.67	27.14	296	20.20	21.97	---	---	---	---	---	---	---	---	---
3.07	9.5	30.0	570	23.06	28.58	378	18.23	21.68	283	14.79	17.37	---	---	---	---	---	---	---	---	20.4
ARC-LENGTH CORRECTION FACTOR —>												**---**	**---**	**0.76**	**0.79**	**0.82**	**0.83**	**0.85**	**0.87**	**0.89**
3.08	8.5	27.0	568	19.73	25.77	377	15.45	19.33	283	12.53	15.44	---	---	---	---	---	---	---	19.4	24.3
3.08	14.0	44.0	568	33.88	37.82	376	29.29	31.05	282	24.25	25.41	---	---	---	---	---	---	---	---	---
3.09	7.5	24.0	567	16.11	22.70	376	12.57	16.88	282	10.21	13.45	---	---	---	---	---	17.2	20.0	23.3	28.0
3.19	11.0	36.0	648	27.47	32.32	363	22.18	25.04	272	18.08	20.17	---	---	---	---	---	---	---	---	---
3.23	9.0	30.0	541	21.44	27.21	359	16.86	20.52	269	13.67	16.41	---	---	---	---	---	---	---	---	20.7
3.26	8.0	27.0	536	17.96	24.27	356	14.03	18.12	267	11.38	14.45	---	---	---	---	---	---	---	19.7	24.6
3.30	7.0	24.0	531	14.21	21.09	352	11.10	15.62	264	9.03	12.44	---	---	---	---	---	17.6	20.3	23.6	28.3
3.31	13.0	44.0	528	32.13	36.30	350	27.05	29.15	263	22.26	23.72	---	---	---	---	---	---	---	---	---
3.34	10.5	36.0	524	26.08	31.15	347	20.90	23.95	261	17.00	19.25	---	---	---	---	---	---	---	---	---
3.42	8.5	30.0	512	19.74	25.77	340	15.46	19.33	255	12.53	15.44	---	---	---	---	---	---	---	---	21.0
3.47	7.5	27.0	505	16.12	22.71	334	12.58	16.88	251	10.21	13.46	---	---	---	---	---	---	---	20.0	25.0
3.50	10.0	36.0	500	24.62	29.90	331	19.58	22.83	249	15.91	18.32	---	---	---	---	---	---	---	---	---
3.58	12.0	44.0	489	29.99	34.47	324	24.68	27.15	243	20.21	21.98	---	---	---	---	---	---	---	---	---
3.62	8.0	30.0	484	17.97	24.28	321	14.04	18.12	240	11.38	14.46	---	---	---	---	---	---	---	---	21.3
3.68	9.5	36.0	476	23.07	28.60	315	18.24	21.69	237	14.80	17.38	---	---	---	---	---	---	---	---	---
3.70	7.0	27.0	473	14.22	21.10	313	11.10	15.63	235	9.04	12.44	---	---	---	---	---	---	---	20.3	25.3
3.85	7.5	30.0	455	16.13	22.72	301	12.58	16.89	226	10.22	13.46	---	---	---	---	---	---	---	---	21.6
3.87	9.0	36.0	452	21.45	27.22	300	16.87	20.53	225	13.68	16.42	---	---	---	---	---	---	---	---	---
3.89	11.0	44.0	449	27.48	32.33	298	22.19	25.05	223	18.09	20.18	---	---	---	---	---	---	---	---	---
4.07	10.5	44.0	430	26.10	31.16	285	20.91	23.95	214	17.01	19.26	---	---	---	---	---	---	---	---	---
ARC-LENGTH CORRECTION FACTOR —>												**---**	**---**	**---**	**---**	**---**	**0.74**	**0.77**	**0.80**	**0.84**
4.09	8.5	36.0	428	19.75	25.79	284	15.47	19.34	213	12.54	15.45	---	---	---	---	---	---	---	---	---
4.11	7.0	30.0	426	14.22	21.11	282	11.11	15.63	212	9.04	12.45	---	---	---	---	---	---	---	---	21.9
4.27	10.0	44.0	410	24.63	29.92	272	19.59	22.84	204	15.92	18.33	---	---	---	---	---	---	---	---	---
4.33	8.0	36.0	404	17.98	24.29	268	14.04	18.13	201	11.39	14.46	---	---	---	---	---	---	---	---	---
4.48	9.5	44.0	390	23.08	28.61	259	18.24	21.70	194	14.81	17.38	---	---	---	---	---	---	---	---	---
4.61	7.5	36.0	380	16.14	22.73	252	12.59	16.90	189	10.22	13.46	---	---	---	---	---	---	---	---	---
4.72	9.0	44.0	370	21.46	27.23	246	16.87	20.53	184	13.68	16.42	---	---	---	---	---	---	---	---	---
4.92	7.0	36.0	356	14.23	21.11	236	11.11	15.64	177	9.04	12.45	---	---	---	---	---	---	---	---	---
4.99	8.5	44.0	351	19.76	25.79	233	15.47	19.35	174	12.54	15.45	---	---	---	---	---	---	---	---	---
5.29	8.0	44.0	331	17.99	24.29	219	14.05	18.13	165	11.39	14.47	---	---	---	---	---	---	---	---	---
5.62	7.5	44.0	311	16.15	22.74	206	12.59	16.90	155	10.23	13.47	---	---	---	---	---	---	---	---	---
6.00	7.0	44.0	292	14.24	21.12	193	11.12	15.64	145	9.04	12.45	---	---	---	---	---	---	---	---	---
ARC-LENGTH CORRECTION FACTOR —>												**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**0.79**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

C S-L CLASSIC | **CX** CLASSIC COG

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	C112 CX112	C120 CX120	C128 CX128	C136 CX136	C144 CX144	C158 CX158	C162 CX162	C173 CX173	C180 CX180	C195 CX195	C210 CX210	C240 CX240	C270 CX270	C300 CX300	C330 CX330	C360 CX360	C390 CX390	C420 CX420
2.29	34.6	38.6	42.7	46.7	50.8	57.8	59.8	65.3	68.8	76.4	83.9	97.9	112.9	127.9	143.0	158.0	173.0	188.0
2.33	37.1	41.1	45.1	49.2	53.2	60.2	62.2	67.7	71.2	78.8	86.3	100.3	115.3	130.3	145.3	160.3	175.4	190.4
2.35	29.9	34.0	38.1	42.2	46.2	53.3	55.3	60.9	64.4	71.9	79.5	93.5	108.5	123.6	138.6	153.6	168.6	183.6
2.40	26.4	30.6	34.7	38.8	42.9	50.0	52.0	57.6	61.1	68.7	76.2	90.3	105.3	120.4	135.4	150.4	165.4	180.4
2.43	35.0	39.0	43.1	47.1	51.1	58.2	60.2	65.7	69.2	76.7	84.3	98.3	113.3	128.3	143.3	158.4	173.4	188.4
2.45	22.7	27.0	31.2	35.3	39.5	46.6	48.6	54.2	57.8	65.4	72.9	87.0	102.1	117.1	132.2	147.2	162.2	177.3
2.48	30.3	34.4	38.5	42.5	46.6	53.7	55.7	61.2	64.7	72.3	79.8	93.9	108.9	123.9	139.0	154.0	169.0	184.0
2.49	37.4	41.5	45.5	49.5	53.5	60.6	62.6	68.1	71.6	79.1	86.7	100.7	115.7	130.7	145.7	160.7	175.7	190.7
2.51	26.7	30.9	35.0	39.1	43.2	50.3	52.4	57.9	61.5	69.0	76.6	90.6	105.7	120.7	135.8	150.8	165.8	180.8
2.53	---	---	---	28.0	32.3	39.7	41.8	47.4	51.0	58.7	66.3	80.4	95.6	110.7	125.7	140.8	155.8	170.8
2.58	35.3	39.4	43.4	47.5	51.5	58.5	60.5	66.1	69.6	77.1	84.6	98.7	113.7	128.7	143.7	158.7	173.8	188.8
2.60	30.6	34.7	38.8	42.9	46.9	54.0	56.0	61.6	65.1	72.7	80.2	94.2	109.3	124.3	139.3	154.4	169.4	184.4
2.63	27.1	31.2	35.4	39.5	43.6	50.7	52.7	58.3	61.8	69.4	76.9	91.0	106.1	121.1	136.1	151.2	166.2	181.2
2.67	23.3	27.6	31.8	36.0	40.1	47.3	49.4	54.9	58.5	66.1	73.7	87.8	102.8	117.9	132.9	148.0	163.0	178.0
2.71	---	---	---	---	---	30.1	32.3	38.3	42.0	49.9	57.7	72.0	87.2	102.4	117.5	132.6	147.7	162.7
2.72	---	---	---	28.7	33.0	40.3	42.4	48.1	51.7	59.4	67.0	81.2	96.3	111.4	126.5	141.5	156.6	171.6
2.74	31.0	35.1	39.2	43.2	47.3	54.4	56.4	62.0	65.5	73.0	80.6	94.6	109.7	124.7	139.7	154.7	169.8	184.8
2.76	35.7	39.7	43.8	47.8	51.8	58.9	60.9	66.4	70.0	77.5	85.0	99.0	114.1	129.1	144.1	159.1	174.1	189.1
2.77	27.4	31.6	35.7	39.8	43.9	51.0	53.1	58.6	62.2	69.7	77.3	91.4	106.4	121.5	136.5	151.5	166.6	181.6
2.79	23.6	28.0	32.2	36.3	40.5	47.7	49.7	55.3	58.8	66.4	74.0	88.1	103.2	118.3	133.3	148.3	163.4	178.4
2.90	31.3	35.4	39.5	43.6	47.7	54.7	56.8	62.3	65.8	73.4	80.9	95.0	110.0	125.1	140.1	155.1	170.1	185.2
2.91	27.7	31.9	36.1	40.2	44.3	51.4	53.4	59.0	62.5	70.1	77.7	91.7	106.8	121.9	136.9	151.9	166.9	182.0
2.92	24.0	28.3	32.5	36.7	40.8	48.0	50.1	55.7	59.2	66.8	74.4	88.5	103.6	118.6	133.7	148.7	163.7	178.8
2.94	---	---	24.9	29.3	33.6	41.0	43.1	48.8	52.4	60.1	67.7	81.9	97.0	112.1	127.2	142.3	157.3	172.4
3.07	24.3	28.6	32.8	37.0	41.2	48.4	50.4	56.0	59.6	67.2	74.7	88.9	103.9	119.0	134.1	149.1	164.1	179.1
	0.91	**0.93**	**0.94**	**0.95**	**0.97**	**1.00**	**1.01**	**1.02**	**1.03**	**1.05**	**1.07**	**1.10**	**1.12**	**1.15**	**1.17**	**1.19**	**1.21**	**1.23**
3.08	28.1	32.3	36.4	40.5	44.6	51.8	53.8	59.4	62.9	70.5	78.0	92.1	107.2	122.2	137.3	152.3	167.3	182.3
3.08	---	---	---	---	---	31.3	33.6	39.6	43.3	51.2	59.0	73.4	88.7	103.8	119.0	134.1	149.2	164.2
3.09	31.6	35.8	39.9	43.9	48.0	55.1	57.1	62.7	66.2	73.8	81.3	95.4	110.4	125.5	140.5	155.5	170.5	185.5
3.19	---	---	25.5	29.9	34.3	41.7	43.8	49.5	53.1	60.8	68.4	82.6	97.8	112.9	127.9	143.0	158.1	173.1
3.23	24.6	28.9	33.2	37.4	41.5	48.7	50.7	56.4	59.9	67.5	75.1	89.2	104.3	119.4	134.4	149.5	164.5	179.5
3.26	28.4	32.6	36.7	40.9	45.0	52.1	54.1	59.7	63.3	70.8	78.4	92.5	107.6	122.6	137.6	152.7	167.7	182.7
3.30	32.0	36.1	40.2	44.3	48.4	55.5	57.5	63.0	66.6	74.1	81.7	95.7	110.8	125.8	140.9	155.9	170.9	185.9
3.31	---	---	---	---	---	31.9	34.2	40.2	44.0	51.9	59.7	74.1	89.4	104.6	119.7	134.8	149.9	165.0
3.34	---	---	25.8	30.3	34.6	42.0	44.1	49.8	53.4	61.1	68.8	83.0	98.1	113.2	128.3	143.4	158.4	173.5
3.42	24.9	29.3	33.5	37.7	41.8	49.0	51.1	56.7	60.3	67.9	75.5	89.6	104.7	119.7	134.8	149.8	164.9	179.9
3.47	28.7	32.9	37.1	41.2	45.3	52.5	54.5	60.1	63.6	71.2	78.8	92.9	107.9	123.0	138.0	153.1	168.1	183.1
3.50	---	---	26.1	30.6	34.9	42.3	44.4	50.2	53.8	61.5	69.1	83.3	98.5	113.6	128.7	143.8	158.8	173.9
3.58	---	---	---	---	---	32.6	34.8	40.9	44.6	52.6	60.4	74.8	90.1	105.3	120.4	135.5	150.6	165.7
3.62	25.2	29.6	33.8	38.0	42.2	49.4	51.4	57.1	60.6	68.2	75.8	89.9	105.0	120.1	135.2	150.2	165.3	180.3
3.68	---	---	26.4	30.9	35.2	42.7	44.8	50.5	54.1	61.8	69.5	83.7	98.8	114.0	129.1	144.1	159.2	174.2
3.70	29.0	33.3	37.4	41.6	45.7	52.8	54.8	60.4	64.0	71.6	79.1	93.2	108.3	123.4	138.4	153.4	168.5	183.5
3.85	25.5	29.9	34.2	38.4	42.5	49.7	51.8	57.4	61.0	68.6	76.2	90.3	105.4	120.5	135.5	150.6	165.6	180.7
3.87	---	---	26.7	31.2	35.6	43.0	45.1	50.8	54.5	62.2	69.8	84.0	99.2	114.3	129.4	144.5	159.6	174.6
3.89	---	---	---	---	---	33.2	35.4	41.5	45.3	53.2	61.0	75.5	90.8	106.0	121.2	136.3	151.4	166.5
4.07	---	---	---	---	---	33.5	35.7	41.8	45.6	53.5	61.4	75.8	91.1	106.3	121.5	136.6	151.7	166.8
	0.86	**0.89**	**0.91**	**0.93**	**0.95**	**0.97**	**0.98**	**1.00**	**1.01**	**1.03**	**1.05**	**1.08**	**1.11**	**1.14**	**1.16**	**1.19**	**1.20**	**1.22**
4.09	---	22.3	27.0	31.5	35.9	43.3	45.4	51.2	54.8	62.5	70.2	84.4	99.6	114.7	129.8	144.9	159.9	175.0
4.11	25.8	30.2	34.5	38.7	42.9	50.1	52.1	57.8	61.3	68.9	76.5	90.7	105.8	120.9	135.9	151.0	166.0	181.0
4.27	---	---	---	---	---	33.8	36.1	42.1	45.9	53.9	61.7	76.2	91.5	106.7	121.9	137.0	152.1	167.2
4.33	---	22.6	27.3	31.8	36.2	43.7	45.8	51.5	55.1	62.9	70.5	84.8	99.9	115.1	130.2	145.2	160.3	175.4
4.48	---	---	---	---	---	34.1	36.4	42.4	46.2	54.2	62.1	76.5	91.8	107.1	122.2	137.4	152.5	167.6
4.61	---	22.9	27.6	32.1	36.5	44.0	46.1	51.8	55.5	63.2	70.9	85.1	100.3	115.4	130.5	145.6	160.7	175.7
4.72	---	---	---	---	---	34.4	36.7	42.8	46.6	54.5	62.4	76.9	92.2	107.4	122.6	137.7	152.8	167.9
4.92	--	23.2	27.9	32.5	36.8	44.3	46.4	52.2	55.8	63.5	71.2	85.5	100.7	115.8	130.9	146.0	161.0	176.1
4.99	---	---	---	---	---	34.7	37.0	43.1	46.9	54.9	62.7	77.2	92.5	107.8	123.0	138.1	153.2	168.3
5.29	---	---	---	---	26.5	35.0	37.3	43.4	47.2	55.2	63.1	77.5	92.9	108.1	123.3	138.5	153.6	168.7
5.62	---	---	---	---	26.8	35.3	37.6	43.7	47.5	55.5	63.4	77.9	93.2	108.5	123.7	138.8	153.9	169.0
6.00	---	---	---	---	27.1	35.6	37.9	44.0	47.8	55.9	63.7	78.2	93.6	108.8	124.0	139.2	154.3	169.4
	0.82	**0.85**	**0.87**	**0.89**	**0.91**	**0.95**	**0.96**	**0.98**	**0.99**	**1.01**	**1.04**	**1.07**	**1.10**	**1.13**	**1.16**	**1.18**	**1.20**	**1.22**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

D S-L CLASSIC

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		1160 RPM Driver		870 RPM Driver		690 RPM Driver		Belt Size/Center Distance					
			Driven	HP/Belt	Driven	HP/Belt	Driven	HP/Belt						
	Driver	Driven	RPM	D	RPM	D	RPM	D	D120	D128	D144	D158	D162	D173
1.00	12.00	12.00	1160	28.43	870	24.56	690	21.13	42.8	46.8	54.8	61.8	63.8	69.3
1.00	13.00	13.00	1160	32.81	870	28.39	690	24.40	41.2	45.2	53.2	60.2	62.2	67.7
1.00	13.50	13.50	1160	34.92	870	30.26	690	26.02	40.5	44.5	52.5	59.5	61.5	67.0
1.00	14.00	14.00	1160	36.96	870	32.10	690	27.61	39.7	43.7	51.7	58.7	60.7	66.2
1.00	14.50	14.50	1160	38.93	870	33.92	690	29.19	38.9	42.9	50.9	57.9	59.9	65.4
1.00	15.00	15.00	1160	40.84	870	35.70	690	30.75	38.1	42.1	50.1	57.1	59.1	64.6
1.00	15.50	15.50	1160	42.68	870	37.45	690	32.30	37.3	41.3	49.3	56.3	58.3	63.8
1.00	16.00	16.00	1160	44.46	870	39.16	690	33.82	36.5	40.5	48.5	55.5	57.5	63.0
1.00	18.00	18.00	1160	50.84	870	45.70	690	39.74	33.4	37.4	45.4	52.4	54.4	59.9
1.00	22.00	22.00	1160	---	870	57.07	690	50.64	27.1	31.1	39.1	46.1	48.1	53.6
1.03	15.50	16.00	1125	43.34	844	37.94	669	32.69	36.9	40.9	48.9	55.9	57.9	63.4
1.03	15.00	15.50	1124	41.52	843	36.20	669	31.16	37.7	41.7	49.7	56.7	58.7	64.2
1.03	14.50	15.00	1123	39.63	842	34.44	668	29.61	38.5	42.5	50.5	57.5	59.5	65.0
1.03	14.00	14.50	1122	37.67	841	32.64	667	28.04	39.3	43.3	51.3	58.3	60.3	65.8
1.04	13.50	14.00	1120	35.66	840	30.82	666	26.46	40.1	44.1	52.1	59.1	61.1	66.6
1.04	13.00	13.50	1119	33.58	839	28.96	666	24.86	40.8	44.8	52.8	59.8	61.8	67.3
1.06	15.00	16.00	1090	42.09	818	36.64	648	31.50	37.3	41.3	49.3	46.3	58.3	63.8
1.07	14.50	15.50	1088	40.22	816	34.88	647	29.96	38.1	42.1	50.1	57.1	59.1	64.6
1.07	14.00	15.00	1086	38.28	814	33.10	646	28.40	38.9	42.9	50.9	57.9	59.9	65.4
1.07	13.50	14.50	1083	36.28	812	31.28	644	26.83	39.7	43.7	51.7	58.7	60.7	66.2
1.07	13.00	14.00	1081	34.22	810	29.44	643	25.24	40.5	44.5	52.5	59.5	61.5	67.0
1.08	12.00	13.00	1075	29.93	806	25.68	639	22.02	42.0	46.0	54.0	61.0	63.0	68.5
1.10	14.50	16.00	1055	40.72	791	35.26	628	30.26	37.7	41.7	49.7	56.7	58.7	64.2
1.10	14.00	15.50	1052	38.79	789	33.48	626	28.70	38.5	42.5	50.5	57.5	59.5	65.0
1.11	13.50	15.00	1048	36.80	786	31.67	624	27.14	39.3	43.3	51.3	58.3	60.3	65.8
ARC-LENGTH CORRECTION FACTOR —>									**0.86**	**0.87**	**0.90**	**0.92**	**0.92**	**0.93**
1.11	18.00	20.00	1047	52.74	786	47.13	623	40.87	31.8	35.8	43.8	50.8	52.8	58.3
1.11	13.00	14.50	1045	34.85	784	29.84	621	25.55	40.1	44.1	52.1	59.1	61.1	66.6
1.12	12.00	13.50	1037	30.48	777	26.09	617	22.34	41.6	45.6	53.6	60.6	62.6	68.1
1.12	16.00	18.00	1035	46.53	776	40.71	616	35.05	34.9	38.9	46.9	54.0	56.0	61.5
1.14	14.00	16.00	1020	39.22	765	33.80	607	28.96	38.1	42.1	50.1	57.1	59.1	64.6
1.14	13.50	15.50	1016	37.24	762	32.00	604	27.40	38.9	42.9	50.9	57.1	59.9	65.4
1.15	13.00	15.00	1011	35.19	758	30.17	602	25.82	39.7	43.7	51.7	58.7	60.7	66.2
1.16	15.50	18.00	1004	45.15	753	39.30	597	33.76	35.3	39.3	47.3	54.3	56.3	61.2
1.16	12.00	14.00	1001	30.93	751	26.44	595	22.61	41.2	45.2	53.2	60.2	62.2	67.7
1.18	13.50	16.00	985	37.60	739	32.28	586	27.62	38.5	42.5	0.5	57.5	59.5	65.0
1.18	13.00	15.50	980	35.56	735	30.45	583	26.04	39.3	43.3	51.3	58.3	60.3	65.8
1.19	15.00	18.00	973	43.67	730	37.82	579	32.43	35.7	39.7	47.7	54.7	56.7	62.2
1.20	12.00	14.50	968	31.31	726	26.72	576	22.84	40.8	44.8	52.8	59.8	61.8	67.3
1.22	18.00	22.00	955	53.86	716	47.97	568	41.53	30.2	34.2	42.2	49.2	51.2	56.7
1.22	13.00	16.00	950	35.87	713	30.68	565	26.22	38.9	42.9	50.9	57.9	59.9	65.4
1.22	22.00	27.00	950	---	712	59.37	565	52.46	---	27.1	35.1	42.1	44.1	49.6
1.23	14.50	18.00	942	42.08	706	36.27	560	31.06	36.1	40.1	48.1	55.1	57.1	62.6
1.24	12.00	15.00	937	31.62	703	26.95	557	23.02	40.4	44.4	52.4	59.4	61.4	66.9
1.24	16.00	20.00	935	47.67	701	41.57	556	35.73	33.3	37.3	45.3	52.4	54.4	59.9
1.27	14.00	18.00	911	40.38	683	34.67	542	29.65	36.5	40.5	48.5	55.5	57.5	63.0
1.28	12.00	15.50	908	31.88	681	27.15	540	23.18	40.0	44.0	52.0	59.0	61.0	66.5
1.28	15.50	20.00	907	46.14	680	40.04	539	34.36	33.7	37.7	45.7	52.7	54.7	60.2
1.32	12.00	16.00	880	32.10	660	27.31	524	23.31	39.6	43.6	51.6	58.6	60.6	66.1
1.32	13.50	18.00	879	38.59	660	33.02	523	28.20	36.9	40.9	48.9	55.9	57.9	63.4
1.32	15.00	20.00	878	44.52	659	38.46	523	32.94	34.1	38.1	46.1	53.1	55.1	60.6
1.36	16.00	22.00	852	48.33	639	42.07	507	36.12	31.7	35.7	43.7	50.7	52.7	58.2
1.36	14.50	20.00	850	42.81	638	36.83	506	31.50	34.5	38.5	46.5	53.5	55.5	61.0
1.37	13.00	18.00	848	36.71	636	31.31	505	26.72	37.2	41.2	49.3	56.3	58.3	63.8
1.40	15.50	22.00	826	46.72	620	40.47	492	34.69	32.0	36.1	44.1	51.1	53.1	58.6
1.41	14.00	20.00	822	41.01	617	35.15	489	30.03	34.8	38.8	46.9	53.9	55.9	61.4
1.45	15.00	22.00	801	45.02	601	38.83	476	33.24	32.4	36.4	44.5	51.5	53.5	59.0
1.46	13.50	20.00	794	39.13	595	33.42	472	28.52	35.2	39.2	47.2	54.3	56.3	61.8
1.48	12.00	18.00	786	32.68	589	27.75	467	23.66	38.0	42.0	50.0	57.0	59.0	64.5
1.48	18.00	27.00	782	55.12	586	48.91	465	42.28	25.9	30.0	38.1	45.1	47.1	52.6
1.49	22.00	33.00	780	---	585	60.28	464	53.18	---	---	30.0	37.1	39.1	44.6
ARC-LENGTH CORRECTION FACTOR —>									**0.84**	**0.86**	**0.88**	**0.90**	**0.91**	**0.92**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

D S-L CLASSIC

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																
	D180	D195	D210	D225	D240	D255	D270	D300	D315	D330	D360	D390	D420	D480	D540	D600	D660
1.00	72.8	80.3	87.8	94.1	101.6	109.1	116.6	131.6	139.1	146.6	161.6	176.6	191.6	221.6	251.6	281.6	311.6
1.00	71.2	78.7	86.2	92.5	100.0	107.5	115.0	130.0	137.5	145.0	160.0	175.0	190.0	220.0	250.0	280.0	310.0
1.00	70.5	78.0	85.5	91.7	99.2	106.7	114.2	129.2	136.7	144.2	159.2	174.2	189.2	219.2	249.2	279.2	309.2
1.00	69.7	77.2	84.7	90.9	98.4	105.9	113.4	128.4	135.9	143.4	158.4	173.4	188.4	218.4	248.4	278.4	308.4
1.00	68.9	76.4	83.4	90.1	97.6	105.1	112.6	127.6	135.1	142.6	157.6	172.6	187.6	217.6	247.6	277.6	307.6
1.00	68.1	75.6	83.1	89.4	96.8	104.4	111.9	126.9	134.4	141.8	156.8	171.8	186.9	216.9	246.8	276.9	306.9
1.00	67.3	74.8	82.3	88.6	96.1	103.6	111.1	126.1	133.6	141.1	156.1	171.1	186.1	216.1	246.1	276.1	306.1
1.00	66.5	74.0	81.5	87.8	95.3	102.8	110.3	125.3	132.8	140.3	155.3	170.3	185.3	215.3	245.3	275.3	305.3
1.00	63.4	70.9	78.4	84.6	92.1	99.6	107.1	122.1	129.6	137.1	152.1	167.1	182.1	212.1	242.1	272.1	302.1
1.00	57.1	64.6	72.1	78.4	85.9	93.4	100.9	115.9	123.4	130.9	145.9	160.9	175.9	205.9	235.9	265.9	295.9
1.03	66.9	74.4	81.9	88.2	95.7	103.2	110.7	125.7	133.2	140.7	155.7	170.7	185.7	215.7	245.7	275.7	305.7
1.03	67.7	75.2	82.7	89.0	96.5	104.0	111.5	126.5	134.0	141.5	156.5	171.5	186.5	216.5	246.5	276.5	306.5
1.03	68.5	76.0	83.5	89.7	97.2	104.7	112.2	127.2	134.7	142.2	157.2	172.2	187.2	217.2	247.2	277.2	307.2
1.03	69.3	76.8	84.3	90.5	98.0	105.5	113.0	128.0	135.5	143.0	158.0	173.0	188.0	218.0	248.0	278.0	308.0
1.04	70.1	77.6	85.1	91.3	98.8	106.3	113.8	128.8	136.3	143.8	158.8	173.8	188.8	218.8	248.8	278.8	308.8
1.04	70.8	78.3	85.8	92.1	99.6	107.1	114.6	129.6	137.1	144.6	159.6	174.6	189.6	219.6	249.6	279.6	309.6
1.06	67.3	74.8	82.3	88.6	96.1	103.6	111.1	126.1	133.6	141.1	156.1	171.1	186.1	216.1	246.1	276.1	306.1
1.07	68.1	75.6	83.1	89.3	96.8	104.3	111.8	126.8	134.3	141.8	156.8	171.8	186.8	216.8	246.8	276.8	306.8
1.07	68.9	76.4	83.9	90.1	97.6	105.1	112.6	127.6	135.1	142.6	157.6	172.6	187.6	217.6	247.6	277.6	307.6
1.07	69.7	77.2	84.7	90.9	98.4	105.9	113.4	128.4	135.9	143.4	158.4	173.4	188.4	218.4	248.4	278.4	308.4
1.07	70.5	78.0	85.5	91.5	99.2	106.7	114.2	129.2	136.7	144.2	159.2	174.2	189.2	219.2	249.2	279.2	309.2
1.08	72.0	79.5	87.0	93.3	100.8	108.3	115.8	130.8	138.3	145.8	160.8	175.8	190.8	220.8	250.8	280.8	310.8
1.10	67.7	75.2	82.7	89.0	96.5	104.0	111.5	126.5	134.0	141.5	165.5	171.5	186.5	216.5	246.5	276.5	306.5
1.10	68.5	76.0	83.5	89.7	97.2	104.7	112.2	127.2	134.7	142.2	157.2	172.2	187.2	217.2	247.2	277.2	307.2
1.11	69.3	76.8	84.3	90.5	98.0	105.5	113.0	128.0	135.5	143.0	158.0	173.0	188.0	218.0	248.0	278.0	308.0
	0.94	**0.96**	**0.97**	**0.99**	**1.00**	**1.01**	**1.02**	**1.04**	**1.05**	**1.05**	**1.08**	**1.10**	**1.11**	**1.14**	**1.16**	**1.19**	**1.20**
1.11	61.8	69.3	76.8	83.1	90.6	98.1	105.6	120.6	128.1	135.6	150.6	165.6	180.6	210.6	240.6	270.6	300.6
1.11	70.1	77.6	85.1	91.3	98.8	106.3	113.8	128.8	136.3	143.8	158.8	173.8	188.8	218.8	248.8	278.8	308.8
1.12	71.6	79.1	86.6	92.9	100.4	107.9	115.4	130.4	137.9	145.4	160.4	175.4	190.4	220.4	250.4	280.4	310.4
1.12	65.0	72.5	80.0	86.2	93.7	101.2	108.7	123.7	131.2	138.7	153.7	168.7	183.7	213.7	243.7	273.7	303.7
1.14	68.1	75.6	83.1	89.3	96.8	104.3	111.8	126.8	134.3	141.8	156.8	171.8	186.8	216.8	246.8	246.8	306.8
1.14	68.9	76.4	83.9	90.1	97.6	105.1	112.6	127.6	135.1	142.6	157.6	172.6	187.6	217.6	247.6	277.6	307.6
1.15	69.7	77.2	84.7	90.9	98.4	105.9	113.4	128.4	135.9	143.4	158.4	173.4	188.4	218.4	248.4	278.4	308.4
1.16	65.3	72.8	80.3	86.6	94.1	101.6	109.1	124.1	131.6	139.1	154.1	169.1	184.1	214.1	244.1	274.1	304.1
1.16	71.2	78.7	86.2	92.5	100.0	107.5	115.0	130.0	137.5	145.0	160.0	175.0	190.0	220.0	250.0	280.0	310.0
1.18	68.5	76.0	83.5	89.7	97.2	104.7	112.2	127.2	134.7	142.2	157.2	172.2	187.2	217.2	247.2	277.2	307.2
1.18	69.3	76.8	84.3	90.5	98.0	105.5	113.0	128.0	135.5	143.0	158.0	173.0	188.0	218.0	248.0	278.0	308.0
1.19	65.7	73.2	80.7	87.0	94.5	102.0	109.5	124.5	132.0	139.5	154.5	169.5	184.5	214.5	244.5	274.5	304.5
1.20	70.8	78.3	85.8	92.1	99.6	107.1	114.6	129.6	137.1	144.6	159.6	174.6	189.6	219.6	249.6	279.6	309.6
1.22	60.2	67.7	75.2	81.5	89.0	96.5	104.0	119.0	126.5	134.0	149.0	164.0	179.0	209.0	239.0	269.0	299.0
1.22	68.9	76.4	83.9	90.1	97.6	105.1	112.6	127.6	135.1	142.6	157.6	172.6	187.6	217.6	247.6	277.6	307.6
1.22	53.1	60.6	68.1	74.4	81.9	89.4	96.9	111.9	119.4	126.9	141.9	156.9	171.9	201.9	231.9	261.9	291.9
1.23	66.1	73.6	81.1	87.4	94.9	102.4	109.9	124.9	132.4	139.9	154.9	169.9	184.9	214.9	244.9	274.9	304.9
1.24	70.4	77.9	85.4	91.7	99.2	106.7	114.2	129.2	136.7	144.2	159.2	174.2	189.2	219.2	249.2	279.2	309.2
1.24	63.4	70.9	78.4	84.6	92.1	99.6	107.1	122.1	129.6	137.1	152.1	167.1	182.1	212.1	242.1	272.1	302.1
1.27	66.5	74.0	81.5	87.8	95.3	102.8	110.3	125.3	132.8	140.3	155.3	170.3	185.3	215.3	245.3	275.3	305.3
1.28	70.0	77.5	85.0	91.3	98.8	106.3	113.8	128.8	136.3	143.8	158.8	173.8	188.8	218.8	248.8	278.8	308.8
1.28	63.7	71.2	78.8	85.0	92.5	100.0	107.5	122.5	130.0	137.5	152.5	167.5	182.5	212.5	242.5	272.5	302.5
1.32	69.6	77.1	84.6	90.9	98.4	105.9	113.4	128.4	135.9	143.4	158.4	173.4	188.4	218.4	248.4	278.4	308.4
1.32	66.9	74.4	81.9	88.1	95.6	103.1	110.6	125.7	133.2	140.7	155.7	170.7	185.7	215.7	245.7	275.7	305.7
1.32	64.1	71.6	79.1	85.4	92.9	100.4	107.9	122.9	130.4	137.9	152.9	167.9	182.9	212.9	242.9	272.9	302.9
1.36	61.7	69.3	76.8	83.0	90.5	98.0	105.5	120.5	128.0	135.5	150.5	165.5	180.5	210.5	240.6	270.6	300.6
1.36	64.5	72.0	79.5	85.8	93.3	100.8	108.3	123.3	130.8	138.3	153.3	168.3	183.3	213.3	243.3	273.3	303.3
1.37	67.3	74.8	82.3	88.5	96.0	103.5	111.0	126.0	133.5	141.0	156.0	171.0	186.0	216.1	246.1	276.1	306.1
1.40	62.1	69.6	77.1	83.4	90.9	98.4	105.9	120.9	128.4	135.9	150.9	165.9	180.9	210.9	240.9	270.9	300.9
1.41	64.9	72.4	79.9	86.2	93.7	101.2	108.7	123.7	131.2	138.7	153.7	168.7	183.7	213.7	243.7	273.7	303.7
1.45	62.5	70.0	77.5	83.8	91.3	98.8	106.3	121.3	128.8	136.3	151.3	166.3	181.3	211.3	241.3	271.3	301.3
1.46	65.3	72.8	80.3	86.5	94.0	101.6	109.1	124.1	131.6	139.1	154.1	169.1	184.1	214.1	244.1	274.1	304.1
1.48	68.0	75.5	83.0	89.3	96.8	104.3	111.8	126.8	134.3	141.8	156.8	171.8	186.8	216.8	246.8	276.8	306.8
1.48	56.1	63.7	71.2	77.4	85.0	92.5	100.0	115.0	122.5	130.0	145.0	160.0	175.0	205.0	235.0	265.0	295.0
1.49	48.2	55.7	63.2	69.5	77.0	84.5	92.1	107.1	114.6	122.1	137.1	152.1	167.1	197.1	227.2	257.2	287.2
	0.93	**0.95**	**0.97**	**0.98**	**0.99**	**1.00**	**1.02**	**1.04**	**1.05**	**1.06**	**1.08**	**1.09**	**1.11**	**1.14**	**1.16**	**1.18**	**1.19**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

D S-L CLASSIC

STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		1160 RPM Driver		870 RPM Driver		690 RPM Driver		Belt Size/Center Distance					
			Driven	HP/Belt	Driven	HP/Belt	Driven	HP/Belt						
	Driver	Driven	RPM	D	RPM	D	RPM	D	D120	D128	D144	D158	D162	D173
1.50	14.50	22.00	775	43.24	581	37.14	461	31.75	32.8	36.8	44.8	51.9	53.9	59.4
1.51	13.00	20.00	766	37.16	574	31.65	456	26.99	35.6	39.6	47.6	54.6	56.6	62.1
1.55	14.00	22.00	749	41.38	562	35.42	446	30.24	33.1	37.2	45.2	52.2	54.2	59.8
1.60	13.50	22.00	724	39.44	543	33.65	430	28.71	33.5	37.5	45.6	52.6	54.6	60.1
1.63	12.00	20.00	710	33.00	532	27.99	422	23.85	36.3	40.3	48.4	55.4	57.4	62.9
ARC-LENGTH CORRECTION FACTOR —>									**0.84**	**0.85**	**0.88**	**0.90**	**0.91**	**0.92**
1.66	13.00	22.00	698	37.43	524	31.85	415	27.15	33.9	37.9	46.0	53.0	55.0	60.5
1.66	16.00	27.00	698	49.07	523	42.62	415	36.57	27.3	31.4	39.5	46.6	48.6	54.1
1.71	15.50	27.00	677	47.37	507	40.96	403	35.08	27.7	31.8	39.9	46.9	48.9	54.5
1.77	15.00	27.00	656	45.58	492	39.25	390	33.57	28.0	32.1	40.2	47.3	49.3	54.9
1.79	12.00	22.00	647	33.19	485	28.13	385	23.96	34.6	38.6	46.7	53.7	55.7	61.3
1.80	22.00	40.00	646	---	484	60.65	384	53.47	---	---	---	---	32.7	38.4
1.81	18.00	33.00	642	55.62	482	49.29	382	42.58	---	---	32.8	39.9	41.9	47.5
1.83	14.50	27.00	635	43.73	476	37.51	378	32.04	28.4	32.5	40.6	47.7	49.7	55.2
1.89	14.00	27.00	614	41.80	460	35.74	365	30.49	28.7	32.8	40.9	48.0	50.0	55.6
1.96	13.50	27.00	593	39.80	444	33.93	353	28.92	29.1	33.2	41.3	48.4	50.4	56.0
2.02	16.00	33.00	573	49.38	430	42.86	341	36.75	---	25.8	34.1	41.3	43.4	48.9
2.03	13.00	27.00	572	37.74	429	32.09	340	27.34	29.4	33.5	41.7	48.7	50.8	56.3
2.09	15.50	33.00	556	47.64	417	41.16	331	35.24	---	26.1	34.5	41.7	43.7	49.3
2.15	22.00	48.00	539	---	405	60.81	321	53.60	---	---	---	---	---	---
2.15	15.00	33.00	539	45.82	404	39.43	320	33.72	---	26.4	34.8	42.0	44.1	49.7
2.18	18.00	40.00	531	55.84	399	49.45	316	42.71	---	---	---	33.3	35.4	41.1
2.19	12.00	27.00	530	33.43	397	28.31	315	24.10	30.1	34.2	42.4	49.5	51.5	57.0
2.23	14.50	33.00	521	43.94	391	37.67	310	32.17	---	26.8	35.1	42.4	44.4	50.0
2.30	14.00	33.00	504	41.99	378	35.88	300	30.61	---	27.1	35.5	42.7	44.7	50.4
2.38	13.50	33.00	487	39.97	365	34.05	290	29.02	---	27.4	35.8	43.0	45.1	50.7
ARC-LENGTH CORRECTION FACTOR —>									**0.80**	**0.82**	**0.86**	**0.88**	**0.89**	**0.90**
2.45	16.00	40.00	474	49.53	356	42.96	282	36.84	---	---	---	34.6	36.7	42.5
2.47	13.00	33.00	470	37.89	352	32.19	279	27.42	23.4	27.7	36.2	43.4	45.4	51.1
2.52	15.50	40.00	460	47.77	345	41.26	274	35.32	---	---	---	34.9	37.1	42.8
2.59	22.00	58.00	447	---	336	60.89	266	53.67	---	---	---	---	---	---
2.60	15.00	40.00	446	45.94	334	39.52	265	33.78	---	---	27.6	35.3	37.4	43.2
2.61	18.00	48.00	444	55.94	333	49.53	264	42.77	---	---	---	---	---	---
2.67	12.00	33.00	435	33.54	326	28.39	259	24.16	24.0	28.4	36.8	44.1	46.1	51.8
2.69	14.50	40.00	431	44.04	324	37.75	257	32.23	---	---	28.0	35.6	37.7	43.5
2.78	14.00	40.00	417	42.08	313	35.95	248	30.66	---	---	28.3	35.9	38.0	43.8
2.88	13.50	40.00	403	40.05	302	34.11	240	29.07	---	---	28.6	36.2	38.4	44.2
ARC-LENGTH CORRECTION FACTOR —>									**0.79**	**0.82**	**0.86**	**0.88**	**0.89**	**0.90**
2.93	16.00	48.00	396	49.60	297	43.02	236	36.88	---	---	---	---	---	34.2
2.99	13.00	40.00	389	37.96	291	32.25	231	27.46	---	---	28.9	36.6	38.7	44.5
3.02	15.50	48.00	384	47.83	288	41.31	229	35.36	---	---	---	---	---	34.5
3.12	15.00	48.00	372	46.00	279	39.56	221	33.82	---	---	---	---	---	34.8
3.15	18.00	58.00	368	56.00	276	49.57	219	42.81	---	---	---	---	---	---
3.22	14.50	48.00	360	44.09	270	37.79	214	32.26	---	---	---	---	---	35.1
3.22	12.00	40.00	360	33.59	270	28.43	214	24.20	---	---	29.5	37.2	39.3	45.2
3.33	14.00	48.00	348	42.13	261	35.98	207	30.69	---	---	---	---	---	35.4
3.45	13.50	48.00	337	40.09	252	34.14	200	29.10	---	---	---	---	---	35.7
3.53	16.00	58.00	329	49.64	246	43.05	195	36.90	---	---	---	---	---	---
ARC-LENGTH CORRECTION FACTOR —>									**---**	**---**	**0.75**	**0.81**	**0.82**	**0.85**
3.57	13.00	48.00	325	38.00	243	32.28	193	27.49	---	---	---	---	---	36.0
3.64	15.50	58.00	319	47.87	239	41.34	190	35.38	---	---	---	---	---	---
3.76	15.00	58.00	309	46.03	232	39.59	184	33.84	---	---	---	---	---	---
3.86	12.00	48.00	301	33.63	226	28.45	179	24.22	---	---	---	---	30.2	36.6
3.88	14.50	58.00	299	44.13	224	37.81	178	32.28	---	---	---	---	---	---
4.01	14.00	58.00	289	42.16	217	36.00	172	30.71	---	---	---	---	---	---
4.16	13.50	58.00	279	40.12	209	34.17	166	29.11	---	---	---	---	---	---
4.31	13.00	58.00	269	38.02	202	32.30	160	27.50	---	---	---	---	---	---
4.65	12.00	58.00	249	33.65	187	28.47	148	24.23	---	---	---	---	---	---
ARC-LENGTH CORRECTION FACTOR —>									**---**	**---**	**---**	**---**	**0.74**	**0.77**

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

D S-L CLASSIC

STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																
	D180	D195	D210	D225	D240	D255	D270	D300	D315	D330	D360	D390	D420	D480	D540	D600	D660
1.50	62.9	70.4	77.9	84.9	91.7	99.2	106.7	121.7	129.2	136.7	151.7	166.7	181.7	211.7	241.7	271.7	301.7
1.51	65.7	73.2	80.7	86.9	94.4	101.9	109.4	124.4	131.9	139.5	154.5	169.5	184.5	214.5	244.5	274.5	304.5
1.55	63.3	70.8	78.3	84.5	92.1	99.6	107.1	122.1	129.6	137.1	152.1	167.1	182.1	212.1	242.1	272.1	302.1
1.60	63.6	71.2	78.7	84.9	92.4	99.9	107.4	122.5	130.0	137.5	152.5	167.5	182.5	212.5	242.5	272.5	302.5
1.63	66.4	73.9	81.4	87.7	95.2	102.7	110.2	125.2	132.7	140.2	155.2	170.2	185.2	215.2	245.2	275.3	305.3
	0.93	0.95	0.96	0.98	0.99	1.00	1.02	1.04	1.05	1.06	1.08	1.09	1.11	1.14	1.16	1.18	1.19
1.66	64.0	71.5	79.0	85.3	92.8	100.3	107.8	122.8	130.3	137.9	152.9	167.9	182.9	212.9	242.9	272.9	302.9
1.66	57.6	65.2	72.7	79.0	86.5	94.0	101.5	116.5	124.0	131.5	146.5	161.6	176.6	206.6	236.6	266.6	296.6
1.71	58.0	65.5	73.1	79.3	86.8	94.4	101.9	116.9	124.4	131.9	146.9	161.9	176.9	207.0	237.0	267.0	297.0
1.77	58.4	65.9	73.4	79.7	87.2	94.7	102.3	117.3	124.8	132.3	147.3	162.3	177.3	207.3	237.4	267.4	297.4
1.79	64.8	72.3	79.8	86.1	93.6	101.1	108.6	123.6	131.1	138.6	153.6	168.6	183.6	213.7	243.7	273.7	303.7
1.80	42.0	49.7	57.3	63.6	71.2	78.7	86.3	101.3	108.9	116.4	131.4	146.5	161.5	191.5	221.5	251.6	281.6
1.81	51.1	58.6	66.2	72.5	80.0	87.5	95.1	110.1	117.6	125.1	140.2	155.2	170.2	200.2	230.2	260.3	290.3
1.83	58.7	66.3	73.8	80.1	87.6	95.1	102.6	117.7	125.2	132.7	147.7	162.7	177.7	207.7	237.7	267.7	297.8
1.89	59.1	66.6	74.2	80.5	88.0	95.5	103.0	118.0	125.5	133.1	148.1	163.1	178.1	208.1	238.1	268.1	298.1
1.96	59.5	67.0	74.6	80.8	88.3	95.9	103.4	118.4	125.9	133.4	148.5	163.5	178.5	208.5	238.5	268.5	298.5
2.02	52.5	60.1	67.7	73.9	81.5	89.0	96.6	111.6	119.1	126.6	141.7	156.7	171.7	201.8	231.8	261.8	291.8
2.03	59.8	67.4	74.9	81.2	88.7	96.2	103.8	118.8	126.3	133.8	148.8	163.9	178.9	208.9	238.9	268.9	298.9
2.09	52.9	60.4	68.0	74.3	81.9	89.4	96.9	112.0	119.5	127.0	142.1	157.1	172.1	202.1	232.2	262.2	292.2
2.15	---	42.2	50.0	56.5	64.1	71.8	79.4	94.6	102.1	109.7	124.8	139.8	154.9	185.0	215.1	245.1	275.1
2.15	53.2	60.8	68.4	74.7	82.2	89.8	97.3	112.4	119.9	127.4	142.4	157.5	172.5	202.5	232.5	262.6	292.6
2.18	44.8	52.5	60.1	66.5	74.1	81.6	89.2	104.3	111.8	119.4	134.4	149.5	164.5	194.6	224.6	254.6	284.7
2.19	60.6	68.1	75.7	81.9	89.5	97.0	104.5	119.5	127.1	134.6	149.6	164.6	179.6	209.7	239.7	269.7	299.7
2.23	53.6	61.2	68.7	75.0	82.6	90.1	97.7	112.7	120.3	127.8	142.8	157.8	172.9	202.9	232.9	262.9	293.0
2.30	53.9	61.5	69.1	75.4	83.0	90.5	98.0	113.1	120.6	128.2	143.2	158.2	173.2	203.3	233.3	263.3	293.4
2.38	54.3	61.9	69.5	75.8	83.3	90.9	98.4	113.5	121.0	128.5	143.6	158.6	173.6	203.7	233.7	263.7	293.7
	0.91	0.93	0.95	0.96	0.98	0.99	1.00	1.03	1.04	1.05	1.07	1.09	1.10	1.13	1.16	1.18	1.19
2.45	46.1	53.9	61.5	67.9	75.5	83.1	90.6	105.8	113.3	120.8	135.9	151.0	166.0	196.1	226.1	256.2	286.2
2.47	54.6	62.2	69.8	76.1	83.7	91.2	98.8	113.9	121.4	128.9	143.9	159.0	174.0	204.0	234.1	264.1	294.1
2.52	46.5	54.2	61.9	68.2	75.8	83.4	91.0	106.1	113.7	121.2	136.3	151.3	166.4	196.5	226.5	256.5	286.6
2.59	---	---	---	46.6	54.6	62.5	70.3	85.7	93.4	101.0	116.2	131.4	146.5	176.7	206.8	236.9	267.0
2.60	46.8	54.5	62.2	68.6	76.2	83.8	91.4	106.5	114.0	121.6	136.7	151.7	166.8	196.8	226.9	256.9	287.0
2.61	36.8	44.8	52.7	59.2	66.9	74.6	82.2	97.4	105.0	112.6	127.7	142.8	157.9	188.0	218.1	248.1	278.2
2.67	55.3	62.9	70.5	76.9	84.4	92.0	99.5	114.6	122.1	129.6	144.7	159.7	174.8	204.8	234.8	264.9	294.9
2.69	47.1	54.9	62.6	68.9	76.6	84.2	91.7	106.9	114.4	122.0	137.0	152.1	167.1	197.2	227.3	257.3	287.3
2.78	47.5	55.2	62.9	69.3	76.9	84.5	92.1	107.2	114.8	122.3	137.4	152.5	167.5	197.6	227.6	257.7	287.7
2.88	47.8	55.6	63.3	69.6	77.3	84.9	92.5	107.6	115.1	122.7	137.8	152.8	167.9	198.0	228.0	258.1	288.1
	0.91	0.93	0.95	0.96	0.98	0.99	1.00	1.03	1.04	1.05	1.07	1.09	1.10	1.13	1.16	1.18	1.19
2.93	38.0	46.1	54.0	60.5	68.3	76.0	83.6	98.9	106.5	114.0	129.2	144.3	159.4	189.5	219.6	249.6	279.7
2.99	48.2	55.9	63.6	70.0	77.6	85.2	92.8	108.0	115.5	123.1	138.1	153.2	168.3	198.3	228.4	258.4	288.5
3.02	38.4	46.5	54.4	60.9	68.6	76.3	84.0	99.2	106.8	114.4	129.5	144.6	159.7	189.9	220.0	250.0	280.1
3.12	38.7	46.8	54.7	61.2	69.0	76.7	84.3	99.6	107.2	114.8	129.9	145.0	160.1	190.2	220.3	250.4	280.5
3.15	---	---	42.3	49.2	57.2	65.2	73.0	88.5	96.2	103.8	119.1	134.3	149.4	179.6	209.8	239.9	270.0
3.22	39.0	47.1	55.0	61.6	69.3	77.0	84.7	99.9	107.5	115.1	130.3	145.4	160.5	190.6	220.7	250.8	280.8
3.22	48.8	56.6	64.3	70.7	78.3	85.9	93.5	108.7	116.2	123.8	138.9	153.9	169.0	199.1	229.2	259.2	289.2
3.33	39.3	47.4	55.4	61.9	69.7	77.4	85.0	100.3	107.9	115.5	130.6	145.7	160.8	191.0	221.1	251.2	281.2
3.45	39.6	47.8	55.7	62.2	70.0	77.7	85.4	100.6	108.2	115.8	131.0	146.1	161.2	191.3	221.5	251.5	281.6
3.53	---	---	43.5	50.4	58.5	66.5	74.3	89.9	97.5	105.2	120.5	135.7	150.8	181.1	211.3	241.4	271.5
	0.86	0.89	0.91	0.93	0.95	0.97	0.98	1.01	1.02	1.03	1.05	1.07	1.09	1.12	1.15	1.17	1.18
3.57	39.9	48.1	56.0	62.6	70.3	78.1	85.7	101.0	108.6	116.2	131.3	146.5	161.6	191.7	221.8	251.9	282.0
3.64	---	---	43.8	50.8	58.9	66.8	74.7	90.2	97.9	105.6	120.8	136.0	151.2	181.5	211.6	241.8	271.9
3.76	---	---	44.1	51.1	59.2	67.2	75.0	90.5	98.2	105.9	121.2	136.4	151.6	181.8	212.0	242.1	272.2
3.86	40.6	48.7	56.7	63.2	71.0	78.7	86.4	101.7	109.3	116.9	132.1	147.2	162.3	192.5	222.6	252.7	282.7
3.88	---	---	44.4	51.4	59.5	67.5	75.3	90.9	98.6	106.3	121.5	136.8	151.9	182.2	212.4	242.5	272.6
4.01	---	---	44.7	51.7	59.8	67.8	75.7	91.2	98.9	106.6	121.9	137.1	152.3	182.6	212.7	242.9	273.0
4.16	---	36.2	45.0	52.0	60.2	68.1	76.0	91.6	99.3	107.0	122.2	137.5	152.7	182.9	213.1	243.3	273.4
4.31	---	36.5	45.3	52.3	60.5	68.5	76.3	91.9	99.6	107.3	122.6	137.8	153.0	183.3	213.5	243.6	273.7
4.65	---	37.1	45.9	53.0	61.1	69.1	77.0	92.6	100.3	108.0	123.3	138.5	153.7	184.0	214.2	244.4	274.5
	0.80	0.85	0.88	0.90	0.93	0.95	0.96	0.99	1.00	1.02	1.04	1.06	1.08	1.11	1.14	1.16	1.17

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

A	S-L CLASSIC

AX	CLASSIC COG

Basic Horsepower Ratings

Faster Shaft	Rated HP per Belt for Small Sheave Datum Dia.																					
	2.2	2.6	3.0		3.2		3.4		3.6		3.8		4.0		4.2		4.6		4.8		5.0	
RPM	AX	AX	A	AX	A	AX	A	AX	A	AX	A	AX	A	AX	A	AX	A	AX	A	AX	A	AX
870	1.02	1.40	1.31	1.78	1.51	1.96	1.71	2.14	1.91	2.32	2.10	2.50	2.30	2.68	2.49	2.86	2.87	3.20	3.06	3.38	3.25	3.55
1160	1.22	1.70	1.62	2.18	1.87	2.41	2.13	2.64	2.38	2.87	2.63	3.10	2.88	3.32	3.13	3.55	3.62	3.98	3.85	4.20	4.10	4.42
1750	1.52	2.21	2.13	2.87	2.50	3.20	2.86	3.52	3.21	3.83	3.57	4.15	3.92	4.46	4.26	4.77	4.94	5.37	5.28	5.67	5.61	5.96
3500	1.97	3.14	3.02	4.26	3.63	4.80	4.22	5.34	4.80	5.86	5.36	6.37	5.91	6.88	6.44	7.37	7.44	8.32	7.92	8.78	8.38	9.23
100	0.21	0.27	0.23	0.33	0.26	0.36	0.29	0.38	0.32	0.41	0.35	0.44	0.37	0.47	0.40	0.50	0.46	0.55	0.46	0.58	0.51	0.61
200	0.36	0.47	0.42	0.57	0.47	0.63	0.52	0.68	0.57	0.73	0.63	0.78	0.68	0.83	0.73	0.88	0.83	0.99	0.88	1.04	0.93	1.09
300	0.49	0.64	0.58	0.79	0.65	0.87	0.73	0.94	0.81	1.02	0.88	1.09	0.96	1.16	1.03	1.23	1.18	1.38	1.25	1.45	1.33	1.52
400	0.60	0.80	0.72	0.99	0.82	1.09	0.92	1.18	1.02	1.28	1.12	1.37	1.22	1.46	1.31	1.56	1.50	1.74	1.60	1.83	1.70	1.92
500	0.70	0.94	0.86	1.18	0.98	1.29	1.10	1.41	1.22	1.52	1.34	1.63	1.46	1.75	1.58	1.86	1.82	2.08	1.93	2.19	2.05	2.29
600	0.80	1.08	0.99	1.35	1.14	1.49	1.28	1.62	1.42	1.75	1.56	1.88	1.70	2.01	1.84	2.14	2.11	2.40	2.25	2.53	2.39	2.65
700	0.88	1.20	1.12	1.52	1.28	1.67	1.44	1.82	1.61	1.97	1.77	2.12	1.93	2.27	2.09	2.42	2.40	2.71	2.56	2.85	2.72	3.00
800	0.97	1.32	1.23	1.67	1.42	1.84	1.60	2.01	1.78	2.18	1.97	2.35	2.15	2.52	2.33	2.68	2.68	3.00	2.86	3.17	3.03	3.32
900	1.04	1.44	1.35	1.82	1.55	2.01	1.75	2.20	1.96	2.38	2.16	2.57	2.36	2.75	2.56	2.93	2.95	3.29	3.15	3.47	3.34	3.64
1000	1.11	1.54	1.45	1.96	1.68	2.17	1.90	2.37	2.12	2.58	2.34	2.78	2.56	2.98	2.78	3.17	3.21	3.56	3.43	3.76	3.64	3.95
1100	1.18	1.64	1.56	2.10	1.80	2.32	2.04	2.54	2.29	2.76	2.52	2.98	2.76	3.20	3.00	3.41	3.47	3.83	3.70	4.04	3.93	4.24
1200	1.24	1.74	1.66	2.23	1.92	2.47	2.18	2.71	2.44	2.94	2.70	3.18	2.96	3.41	3.21	3.64	3.71	4.09	3.96	4.31	4.21	4.53
1300	1.30	1.83	1.75	2.36	2.03	2.61	2.31	2.87	2.59	3.12	2.87	3.37	3.14	3.61	3.41	3.86	3.95	4.34	4.22	4.57	4.48	4.81
1400	1.35	1.92	1.84	2.46	2.14	2.75	2.44	3.02	2.74	3.29	3.03	3.55	3.32	3.81	3.61	4.07	4.18	4.58	4.47	4.83	4.75	5.08
1500	1.41	2.01	1.93	2.59	2.25	2.88	2.57	3.17	2.88	3.45	3.19	3.73	3.50	4.00	3.81	4.28	4.41	4.81	4.71	5.08	5.00	5.34
1600	1.46	2.09	2.01	2.71	2.35	3.01	2.69	3.31	3.02	3.61	3.35	3.90	3.67	4.19	3.99	4.48	4.63	5.04	4.94	5.32	5.25	5.59
1700	1.50	2.17	2.09	2.82	2.45	3.13	2.80	3.45	3.15	3.76	3.49	4.07	3.84	4.37	4.17	4.67	4.84	5.26	5.17	5.55	5.49	5.84
1800	1.55	2.24	2.17	2.92	2.54	3.26	2.91	3.58	3.28	3.91	3.64	4.23	4.00	4.55	4.35	4.86	5.05	5.46	5.39	5.78	5.73	6.08
1900	1.59	2.32	2.25	3.02	2.64	3.37	3.02	3.71	3.40	4.05	3.78	4.39	4.15	4.72	4.52	5.05	5.24	5.69	5.60	6.00	5.95	6.32
2000	1.63	2.38	2.32	3.12	2.72	3.48	3.13	3.84	3.52	4.19	3.91	4.54	4.30	4.88	4.68	5.22	5.44	5.89	5.81	6.22	6.17	6.54
2100	1.66	2.45	2.39	3.22	2.81	3.59	3.23	3.96	3.64	4.33	4.04	4.69	4.45	5.05	4.84	5.40	5.62	6.09	6.00	6.43	6.38	6.76
2200	1.70	2.52	2.45	3.31	2.89	3.70	3.32	4.08	3.75	4.46	4.17	4.84	4.59	5.20	5.00	5.57	5.80	6.28	6.19	6.63	6.58	6.98
2300	1.73	2.58	2.51	3.40	2.97	3.80	3.41	4.20	3.86	4.59	4.29	4.98	4.72	5.36	5.14	5.73	5.97	6.47	6.37	6.83	6.77	7.19
2400	1.76	2.64	2.57	3.49	3.04	3.90	3.50	4.31	3.96	4.71	4.41	5.11	4.85	5.51	5.28	5.89	6.13	6.65	6.55	7.02	6.96	7.39
2500	1.79	2.69	2.63	3.57	3.11	4.00	3.59	4.42	4.06	4.84	4.52	5.25	4.97	5.65	5.42	6.05	6.29	6.83	6.72	7.21	7.13	7.59
2600	1.81	2.75	2.68	3.65	3.18	4.09	3.67	4.53	4.15	4.95	4.63	5.38	5.09	5.79	5.55	6.20	6.44	7.00	6.87	7.39	7.30	7.78
2700	1.84	2.80	2.73	3.73	3.24	4.18	3.75	4.63	4.24	5.07	4.73	5.50	5.20	5.93	5.67	6.35	6.58	7.17	7.02	7.57	7.46	7.96
2800	1.86	2.85	2.78	3.80	3.30	4.27	3.82	4.73	4.33	5.18	4.82	5.62	5.31	6.06	5.79	6.49	6.72	7.33	7.17	7.74	7.61	8.14
2900	1.88	2.90	2.82	3.88	3.36	4.35	3.89	4.82	4.41	5.29	4.92	5.74	5.41	6.19	5.90	6.63	6.85	7.49	7.30	7.90	7.74	8.32
3000	1.90	2.94	2.86	3.95	3.41	4.44	3.95	4.92	4.48	5.39	5.00	5.85	5.51	6.31	6.01	6.76	6.97	7.64	7.43	8.06	7.87	8.48
3100	1.92	2.98	2.90	4.01	3.46	4.51	4.02	5.01	4.56	5.49	5.09	5.97	5.60	6.43	6.11	6.89	7.08	7.78	7.54	8.22	8.00	8.64
3200	1.93	3.03	2.94	4.08	3.51	4.59	4.07	5.09	4.62	5.59	5.16	6.07	5.69	6.55	6.20	7.02	7.18	7.93	7.65	8.37	8.11	8.80
3300	1.95	3.06	2.97	4.14	3.55	4.66	4.13	5.18	4.69	5.68	5.23	6.18	5.77	6.66	6.28	7.14	7.28	8.06	7.75	8.51	8.21	8.95
3400	1.96	3.10	3.00	4.20	3.59	4.74	4.18	5.26	4.75	5.77	5.30	6.28	5.84	6.77	6.36	7.25	7.36	8.19	7.84	8.65	8.30	9.10
3500	1.97	3.14	3.02	4.26	3.63	4.80	4.22	5.34	4.80	5.86	5.36	6.37	5.91	6.88	6.44	7.37	7.44	8.32	7.92	8.78	8.38	9.23
3600	1.98	3.17	3.04	4.31	3.56	4.87	4.26	5.41	4.85	5.94	5.42	6.47	5.97	6.98	6.50	7.48	7.51	8.44	7.99	8.91	8.45	9.37
3700	1.99	3.20	3.06	4.37	3.69	4.93	4.30	5.49	4.89	6.03	5.47	6.56	6.02	7.07	6.56	7.58	7.57	8.56	8.05	9.03	8.50	9.50
3800	1.99	3.23	3.08	4.42	3.71	4.99	4.33	5.55	4.93	6.10	5.51	6.64	6.07	7.17	6.61	7.68	7.63	8.67	8.10	9.15	8.55	9.62
3900	2.00	3.26	3.09	4.47	3.74	5.05	4.36	5.62	4.97	6.18	5.55	6.73	6.11	7.26	6.65	7.78	7.67	8.78	8.14	9.26	8.59	9.73
4000	2.00	3.29	3.10	4.51	3.75	5.11	4.38	5.69	4.99	6.25	5.58	6.81	6.15	7.34	6.69	7.87	7.70	8.88	8.17	9.37	8.61	9.84

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

A	S-L CLASSIC	AX	CLASSIC COG

Basic Horsepower Ratings

Faster Shaft	Rated HP per Belt for Small Sheave Datum Dia.														Add'l HP/Belt for Speed Ratio of:								
	5.2		5.6		5.8		6.0		6.4		6.6		7.0		1.02	1.05	1.09	1.13	1.19	1.25	1.35	1.52	2.00
RPM	A	AX	A	AX	A	AX	A	AX	A	AX	A	AX	A	AX	1.04	1.08	1.12	1.18	1.24	1.34	1.51	1.99	& up
870	3.44	3.72	3.81	4.05	3.99	4.22	4.18	4.38	4.54	4.71	4.72	4.87	5.08	5.19	0.03	0.05	0.08	0.10	0.13	0.15	0.16	0.20	0.23
1160	4.34	4.63	4.81	5.05	5.04	5.26	5.28	5.47	5.74	5.87	5.96	6.08	6.42	6.48	0.03	0.06	0.10	0.13	0.17	0.20	0.21	0.26	0.29
1750	5.94	6.25	6.59	6.83	6.90	7.11	7.22	7.39	7.84	7.94	8.14	8.21	8.73	8.75	0.04	0.09	0.15	0.20	0.26	0.30	0.35	0.40	0.44
3500	8.82	9.68	9.64	10.53	10.02	10.94	10.38	11.34	11.03	12.10	11.32	12.47	---	---	0.08	0.19	0.31	0.41	0.52	0.60	0.70	0.79	0.87
100	0.54	0.63	0.59	0.69	0.62	0.71	0.64	0.74	0.70	0.79	0.72	0.82	0.78	0.87	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
200	0.98	1.13	1.09	1.23	1.14	1.28	1.19	1.33	1.29	1.43	1.34	1.47	1.43	1.57	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05
300	1.40	1.59	1.54	1.73	1.62	1.79	1.69	1.86	1.83	2.00	1.90	2.07	2.05	2.20	0.01	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.06
400	1.79	2.01	1.98	2.18	2.07	2.27	2.17	2.36	2.35	2.53	2.44	2.62	2.63	2.79	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.09	0.09
500	2.16	2.40	2.39	2.62	2.51	2.72	2.62	2.83	2.85	3.03	2.96	3.14	3.18	3.34	0.01	0.03	0.04	0.06	0.07	0.08	0.10	0.11	0.12
600	2.52	2.78	2.79	3.03	2.93	3.15	3.06	3.27	3.33	3.51	3.46	3.63	3.72	3.87	0.01	0.03	0.05	0.07	0.09	0.10	0.12	0.13	0.15
700	2.87	3.14	3.18	3.42	3.33	3.56	3.49	3.70	3.79	3.97	3.94	4.11	4.24	4.38	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.17
800	3.21	3.48	3.55	3.80	3.73	3.95	3.90	4.11	4.24	4.41	4.41	4.56	4.74	4.86	0.02	0.04	0.07	0.09	0.12	0.14	0.16	0.18	0.20
900	3.53	3.82	3.92	4.16	4.11	4.33	4.30	4.50	4.67	4.84	4.86	5.00	5.23	5.33	0.02	0.05	0.08	0.10	0.13	0.15	0.18	0.20	0.22
1000	3.85	4.14	4.27	4.51	4.48	4.70	4.68	4.88	5.09	5.25	5.29	5.43	5.70	5.78	0.02	0.05	0.09	0.11	0.15	0.17	0.20	0.22	0.25
1100	4.16	4.45	4.61	4.85	4.83	5.05	5.06	5.25	5.50	5.64	5.72	5.84	6.15	6.22	0.02	0.06	0.09	0.13	0.16	0.19	0.22	0.25	0.27
1200	4.45	4.75	4.94	5.18	5.18	5.40	5.42	5.61	5.89	6.03	6.13	6.23	6.59	6.64	0.03	0.06	0.10	0.14	0.18	0.21	0.24	0.27	0.29
1300	4.74	5.04	5.26	5.50	5.52	5.73	5.77	5.95	6.27	6.40	6.52	6.62	7.01	7.05	0.03	0.07	0.11	0.15	0.19	0.22	0.26	0.29	0.32
1400	5.02	5.32	5.57	5.81	5.84	6.05	6.11	6.29	6.64	6.76	6.91	6.99	7.42	7.45	0.03	0.07	0.12	0.16	0.21	0.24	0.28	0.31	0.35
1500	5.30	5.60	5.88	6.11	6.16	6.37	6.44	6.62	7.00	7.11	7.28	7.35	7.82	7.84	0.03	0.08	0.13	0.17	0.22	0.26	0.30	0.33	0.37
1600	5.56	5.87	6.17	6.40	6.47	6.67	6.76	6.93	7.34	7.45	7.63	7.71	8.20	8.21	0.04	0.08	0.14	0.19	0.24	0.27	0.32	0.36	0.40
1700	5.82	6.13	6.45	6.69	6.76	6.97	7.07	7.24	7.68	7.78	7.97	8.05	8.56	8.57	0.04	0.09	0.15	0.20	0.25	0.29	0.34	0.38	0.42
1800	6.06	6.38	6.72	6.96	7.04	7.25	7.36	7.54	7.99	8.10	8.30	8.38	8.90	8.92	0.04	0.09	0.16	0.21	0.27	0.31	0.36	0.41	0.45
1900	6.30	6.62	6.98	7.23	7.32	7.53	7.65	7.83	8.30	8.41	8.61	8.70	9.23	9.26	0.04	0.10	0.17	0.22	0.28	0.32	0.38	0.43	0.47
2000	6.53	6.86	7.23	7.49	7.58	7.80	7.92	8.11	8.59	8.71	8.91	9.01	9.55	9.59	0.05	0.11	0.18	0.23	0.29	0.34	0.40	0.45	0.49
2100	6.75	7.10	7.48	7.75	7.83	8.07	8.18	8.38	8.86	9.00	9.19	9.31	9.84	9.90	0.05	0.11	0.19	0.24	0.31	0.36	0.42	0.47	0.52
2200	6.96	7.32	7.71	7.99	8.07	8.32	8.43	8.65	9.12	9.28	9.46	9.60	10.12	10.21	0.05	0.12	0.20	0.26	0.32	0.38	0.44	0.49	0.55
2300	7.16	7.54	7.93	8.23	8.30	8.57	8.66	8.90	9.37	9.56	9.71	9.88	10.38	10.50	0.05	0.12	0.21	0.27	0.34	0.40	0.46	0.51	0.57
2400	7.36	7.75	8.14	8.46	8.51	8.81	8.88	9.15	9.60	9.82	9.95	10.15	10.62	10.79	0.05	0.13	0.21	0.28	0.36	0.42	0.46	0.54	0.60
2500	7.54	7.96	8.33	8.68	8.72	9.04	9.09	9.39	9.82	10.07	10.17	10.41	10.83	11.06	0.05	0.13	0.22	0.29	0.37	0.43	0.49	0.56	0.62
2600	7.71	8.16	8.52	8.90	8.91	9.26	9.29	9.62	10.02	10.32	10.37	10.56	11.03	11.32	0.06	0.14	0.23	0.30	0.39	0.45	0.51	0.58	0.65
2700	7.88	8.35	8.69	9.11	9.09	9.48	9.47	9.84	10.20	10.55	10.55	10.90	11.21	11.57	0.06	0.14	0.24	0.31	0.40	0.46	0.53	0.61	0.67
2800	8.03	8.54	8.86	9.31	9.25	9.69	9.63	10.06	10.37	10.78	10.71	11.13	11.37	11.81	0.06	0.15	0.25	0.32	0.42	0.46	0.56	0.63	0.69
2900	8.18	8.72	9.01	9.51	9.40	9.89	9.79	10.27	10.52	11.00	10.86	11.35	11.51	12.04	0.06	0.16	0.26	0.33	0.43	0.48	0.58	0.65	0.71
3000	8.31	8.89	9.14	9.69	9.54	10.08	9.92	10.47	10.65	11.21	10.99	11.57	11.62	12.26	0.07	0.16	0.27	0.35	0.45	0.51	0.60	0.67	0.74
3100	8.43	9.06	9.27	9.88	9.67	10.27	10.05	10.66	10.76	11.40	11.10	11.77	11.71	12.47	0.07	0.17	0.27	0.36	0.47	0.53	0.62	0.69	0.77
3200	8.55	9.23	9.38	10.05	9.78	10.45	10.15	10.84	10.86	11.59	11.18	11.96	11.78	12.66	0.07	0.17	0.28	0.37	0.48	0.55	0.64	0.72	0.08
3300	8.65	9.38	9.38	10.22	9.87	10.62	10.24	11.01	10.93	11.77	11.25	12.14	11.83	12.84	0.07	0.18	0.27	0.38	0.49	0.57	0.66	0.74	0.82
3400	8.74	9.53	9.57	10.38	9.95	10.78	10.32	11.18	10.99	10.94	11.30	12.31	11.85	13.02	0.08	0.19	0.30	0.40	0.50	0.59	0.68	0.76	0.84
3500	8.82	9.68	9.64	10.53	10.02	10.94	10.38	11.34	11.03	12.10	11.32	12.47	---	---	0.08	0.20	0.31	0.41	0.51	0.60	0.70	0.79	0.86
3600	8.88	9.81	9.69	10.67	10.07	11.08	10.42	11.49	11.05	12.26	11.33	12.62	---	---	0.08	0.20	0.32	0.42	0.53	0.62	0.72	0.81	0.89
3700	8.94	9.94	9.74	10.81	10.10	11.22	10.44	11.63	11.04	12.40	---	---	---	---	0.08	0.21	0.33	0.43	0.55	0.64	0.74	0.83	0.91
3800	8.98	10.07	9.76	10.94	10.12	11.36	10.45	11.76	---	---	---	---	---	---	0.09	0.21	0.34	0.44	0.56	0.66	0.76	0.85	0.94
3900	9.01	10.19	9.78	11.06	10.12	11.48	10.43	11.88	---	---	---	---	---	---	0.09	0.22	0.35	0.45	0.58	0.67	0.78	0.87	0.97
4000	9.03	10.30	9.77	11.18	10.10	11.60	---	---	---	---	---	---	---	---	0.09	0.22	0.35	0.47	0.60	0.69	0.80	0.90	1.00

Note: Shaded area indicates operation above 6500 FPM rim speed. Special sheave construction required.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

B	S-L CLASSIC

BX	CLASSIC COG

Basic Horsepower Ratings

Faster Shaft RPM	Rated HP per Belt for Small Sheave Datum Dia.																			
	3.4		3.6		3.8		4.0		4.2		4.4		4.6		5.0		5.4		5.6	
	B	BX	B	BX	B	BX	B	BX	B	BX	B	BX	B	BX	B	BX	B	BX	B	BX
870	1.42	3.01	1.73	3.27	2.04	3.53	2.35	3.79	2.66	4.04	2.96	4.30	3.27	4.55	3.87	5.04	4.47	5.53	4.76	5.78
1160	1.65	3.72	2.05	4.06	2.45	4.38	2.84	4.71	3.24	5.03	3.63	5.35	4.02	5.67	4.78	6.29	5.54	6.91	5.92	7.21
1750	1.92	4.96	2.48	5.42	3.05	5.87	3.60	6.32	4.15	6.76	4.70	720	5.23	7.63	6.30	8.47	7.33	9.29	7.84	9.69
3500	1.37	7.27	2.27	7.96	3.16	8.64	4.01	9.28	4.84	9.91	5.64	10.51	6.41	11.08	7.87	12.14	92.0	13.10	9.82	13.53
100	0.31	0.53	0.36	0.56	0.40	0.60	0.44	0.64	0.49	0.68	0.53	0.72	0.57	0.76	0.56	0.84	0.75	0.91	0.79	0.95
200	0.53	0.94	0.61	1.01	0.70	1.08	0.78	1.16	0.86	1.23	0.94	1.30	1.02	1.37	1.19	1.51	1.35	1.65	1.43	1.72
300	0.71	1.30	0.83	1.41	0.95	1.51	1.07	1.62	1.19	1.72	1.31	1.82	1.43	1.92	1.66	2.13	1.89	2.33	2.01	2.42
400	0.87	1.64	1.03	1.78	1.18	1.91	1.34	2.05	1.49	2.18	1.64	2.31	1.80	2.44	2.10	2.70	2.40	2.95	2.55	3.08
500	1.01	1.96	1.20	2.13	1.39	2.29	1.58	2.45	1.77	2.61	1.96	2.77	2.14	2.93	2.51	3.24	2.88	3.55	3.06	3.70
600	1.14	2.26	1.36	2.45	1.59	2.64	1.81	2.83	2.03	3.02	225	3.20	2.47	3.39	2.90	3.75	3.33	4.11	3.55	4.29
700	1.25	2.55	1.51	2.77	1.76	2.98	2.02	3.20	2.27	3.41	2.53	3.62	2.78	3.83	3.28	4.25	3.77	4.66	4.01	4.86
800	1.35	2.82	1.64	3.07	1.93	3.31	2.22	3.55	2.50	3.79	2.79	4.02	3.07	4.26	3.63	4.72	4.18	5.18	4.46	5.41
900	1.45	3.09	1.77	3.36	2.09	3.62	2.41	3.89	2.72	4.15	3.04	4.41	3.35	4.67	3.97	5.18	4.58	5.68	4.89	5.93
1000	1.53	3.34	1.88	3.63	2.23	3.92	2.58	4.21	2.93	4.50	3.27	4.78	3.62	5.06	4.29	5.62	4.96	6.17	5.30	6.44
1100	1.61	3.58	1.99	3.90	2.37	4.21	2.75	4.53	3.12	4.84	3.50	5.14	3.87	5.44	4.60	6.04	5.33	6.63	5.69	6.92
1200	1.67	3.82	2.09	4.16	2.50	4.50	2.90	4.83	3.31	5.16	3.71	5.49	4.11	5.81	4.90	6.45	5.68	7.08	6.07	7.40
1300	1.73	4.04	2.18	4.41	2.62	4.77	3.05	5.12	3.48	5.47	3.91	5.82	4.34	6.17	5.18	6.85	6.02	7.52	6.43	7.85
1400	1.79	4.26	2.26	4.65	2.73	5.03	3.19	5.40	3.65	5.78	4.11	6.15	4.56	6.51	5.45	7.23	6.33	7.94	6.77	8.29
1500	1.83	4.47	2.33	4.88	2.83	5.28	3.32	5.68	3.80	6.07	4.29	6.46	4.77	6.85	5.71	7.60	6.64	8.34	7.10	8.71
1600	1.87	4.67	2.40	5.10	2.92	5.52	3.44	5.94	3.95	6.35	4.46	6.76	4.96	7.17	5.95	7.96	6.93	8.73	7.41	9.11
1700	1.90	4.87	2.46	5.32	3.01	5.76	3.55	6.20	4.09	6.63	4.62	7.05	5.15	7.48	6.19	8.30	7.20	9.11	7.70	9.50
1800	1.93	5.06	2.51	5.53	3.08	5.99	3.65	6.44	4.21	6.89	4.77	7.34	5.32	7.77	6.40	8.63	7.46	9.46	7.98	9.87
1900	1.95	5.24	2.55	5.73	3.15	6.21	3.74	6.68	4.33	7.15	4.91	7.61	5.48	8.06	6.61	8.95	7.70	9.81	8.24	10.23
2000	1.96	5.42	2.59	5.92	3.21	6.42	3.83	6.91	4.44	7.39	5.04	7.87	5.63	8.34	6.80	9.25	7.93	10.14	8.49	10.57
2100	1.97	5.58	2.62	6.11	3.27	6.62	3.91	7.13	4.54	7.63	5.16	8.12	5.77	8.60	6.97	9.54	8.14	10.45	8.71	10.89
2200	1.97	5.75	2.65	6.29	3.31	6.82	3.97	7.34	4.63	7.85	5.27	8.36	5.90	8.85	7.14	9.82	8.34	10.75	8.92	11.20
2300	1.96	5.90	2.66	6.46	3.35	7.00	4.03	7.54	4.70	8.07	5.36	8.59	6.02	9.09	7.29	10.08	8.51	11.03	9.11	11.49
2400	1.95	6.05	2.67	6.62	3.38	7.18	4.08	7.74	4.77	8.28	5.45	8.81	6.12	9.33	7.42	10.33	8.67	11.29	928	11.76
2500	1.93	6.19	2.67	6.78	3.40	7.36	4.12	7.92	4.83	8.47	5.53	9.02	6.21	9.54	7.54	10.57	8.82	11.54	9.44	12.01
2600	1.90	6.33	2.67	6.93	3.42	7.52	4.16	8.10	4.88	8.66	5.59	9.21	6.29	9.75	7.65	10.79	8.94	11.78	9.57	12.25
2700	1.87	6.46	2.65	7.08	3.42	7.68	4.18	8.27	4.92	8.84	5.65	9.40	6.36	9.95	7.74	11.00	9.05	11.99	9.68	12.47
2800	1.83	6.58	2.63	7.21	3.42	7.83	4.19	8.42	4.95	9.01	5.69	9.58	6.41	10.13	7.81	11.20	9.14	12.19	9.78	12.67
2900	1.78	6.70	2.60	7.34	3.41	7.97	4.20	8.57	4.97	9.17	5.72	9.74	6.45	10.30	7.87	11.38	9.21	12.38	9.85	12.85
3000	1.73	6.81	2.57	7.46	3.39	8.10	4.19	8.72	4.97	9.32	5.74	9.90	6.48	10.46	7.91	11.54	9.26	12.54	9.90	13.02
3100	1.67	6.92	2.53	7.58	3.36	8.22	4.17	8.85	4.97	9.45	5.74	10.04	6.50	10.61	7.94	11.69	9.29	12.69	9.93	13.16
3200	1.61	7.01	2.47	7.68	3.32	8.34	4.15	8.97	4.95	9.58	5.74	10.18	6.50	10.75	7.95	11.83	9.30	12.82	9.93	13.28
3300	1.53	7.10	2.42	7.78	3.28	8.45	4.11	9.08	4.93	9.70	5.72	10.30	6.48	10.87	7.94	11.95	9.29	12.93	9.92	13.39
3400	1.45	7.19	2.35	7.88	3.22	8.54	4.07	9.19	4.89	9.81	5.69	10.41	6.46	10.98	7.91	12.05	9.25	13.03	9.88	13.47
3500	1.37	7.27	2.27	7.96	3.16	8.64	4.01	9.28	4.84	9.91	5.64	10.51	6.41	11.08	7.87	12.14	9.20	13.10	9.82	13.53
3600	1.27	7.34	2.19	8.04	3.08	8.72	3.95	9.37	4.78	9.99	5.58	10.59	6.36	11.16	7.81	12.22	9.12	13.15	9.73	13.58
3700	1.17	7.40	2.10	8.11	3.00	8.79	3.87	9.44	4.71	10.07	5.51	10.67	6.29	1123	7.73	12.27	9.03	13.19	9.62	13.59
3800	1.06	7.46	2.00	8.17	2.91	8.86	3.78	9.51	4.62	10.13	5.43	10.73	6.20	11.29	7.63	12.31	8.90	13.20	9.46	13.59
3900	0.94	7.51	1.89	8.23	2.80	8.91	3.68	9.57	4.52	10.19	5.33	10.78	6.10	11.33	7.51	12.34	8.76	13.20	9.32	13.57
4000	0.82	7.55	1.77	8.27	2.69	8.96	3.57	9.61	4.41	10.23	5.22	10.81	5.98	11.36	7.37	12.34	8.59	13.17	9.13	13.52

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

B	S-L CLASSIC

BX	CLASSIC COG

Basic Horsepower Ratings

Faster Shaft RPM	Rated HP per Belt for Small Sheave Datum Dia.														Add'l HP/Belt for Speed Ratio of:								
	6.0		6.4		6.8		7.4		8.0		8.6		9.4		1.02	1.05	1.09	1.13	1.19	1.25	1.35	1.52	2.00
	B	BX	B	BX	B	BX	B	BX	B	BX	B	BX	B	BX	1.04	1.08	1.12	1.18	1.24	1.34	1.51	1.99	& up
870	5.35	6.26	5.93	6.73	6.50	7.20	7.36	7.89	8.19	8.56	9.02	9.23	10.10	10.09	0.04	0.01	0.17	0.22	0.28	0.32	0.38	0.42	0.47
1160	6.66	7.81	7.39	8.40	8.12	8.97	9.18	9.82	10.23	10.65	11.25	11.45	12.58	12.49	0.06	0.14	0.22	0.29	0.38	0.43	0.50	0.56	0.63
1750	8.85	10.47	9.83	11.24	10.78	11.98	12.17	13.04	13.50	14.06	14.77	15.02	16.36	16.21	0.09	0.20	0.34	0.44	0.66	0.56	0.70	0.79	0.88
3500	10.95	14.31	11.94	14.97	---	---	---	---	---	---	---	---	---	---	0.18	0.42	0.68	0.89	1.13	1.32	1.52	1.71	1.89
100	0.87	1.03	0.96	1.10	1.04	1.18	1.17	1.29	1.29	1.40	1.42	1.51	1.58	1.65	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.05
200	1.59	1.86	1.75	2.09	1.90	2.14	2.14	2.34	2.37	2.54	2.60	2.74	2.91	3.09	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.09	0.10
300	2.24	2.62	2.47	2.82	2.69	3.01	3.03	3.30	3.37	3.58	3.70	3.86	4.14	4.23	0.01	0.03	0.05	0.07	0.09	0.11	0.13	0.15	0.16
400	2.85	3.33	3.14	3.58	3.44	3.83	3.87	4.20	4.31	4.56	4.74	4.92	5.30	5.39	0.02	0.04	0.07	0.10	0.11	0.15	0.17	0.19	0.21
500	3.42	4.01	3.79	4.31	4.14	4.61	4.67	5.05	5.20	5.49	5.72	5.92	6.41	6.48	0.02	0.06	0.09	0.12	0.16	0.19	0.21	0.24	0.27
600	3.98	4.65	4.40	5.09	4.82	5.35	5.44	5.86	6.06	6.37	6.67	6.87	7.47	7.52	0.03	0.07	0.12	0.15	0.19	0.22	0.26	0.29	0.32
700	4.50	5.26	4.98	5.66	5.46	6.06	6.17	6.64	6.88	7.21	7.57	7.77	8.48	8.51	0.03	0.08	0.14	0.17	0.22	0.26	0.30	0.34	0.38
800	5.01	5.86	5.55	6.30	6.08	6.74	6.88	7.38	7.66	8.02	8.44	8.64	9.45	9.46	0.04	0.09	0.16	0.20	0.26	0.30	0.34	0.39	0.43
900	5.49	6.42	6.09	6.91	6.68	7.39	7.56	8.10	8.42	8.79	9.27	9.47	10.38	10.36	0.04	0.11	0.17	0.23	0.29	0.33	0.39	0.44	0.49
1000	5.96	6.97	6.61	7.50	7.25	8.02	8.20	8.78	9.14	9.53	10.06	10.26	11.26	11.21	0.05	0.12	0.19	0.25	0.32	0.37	0.43	0.49	0.54
1100	6.40	7.50	7.11	8.07	7.80	8.62	8.82	9.44	9.83	10.24	10.81	11.02	12.10	12.02	0.05	0.11	0.21	0.28	0.35	0.41	0.47	0.54	0.59
1200	6.83	8.01	7.58	8.61	8.32	9.20	9.42	10.07	10.49	10.92	11.53	11.74	12.89	12.79	0.06	0.14	0.23	0.30	0.39	0.45	0.52	0.58	0.65
1300	7.24	8.50	8.04	9.14	8.83	9.76	9.98	10.67	11.11	11.56	12.21	12.42	13.63	13.52	0.06	0.15	0.25	0.33	0.42	0.49	0.56	0.64	0.70
1400	7.63	8.97	8.47	9.64	9.30	10.29	10.52	11.25	11.70	12.17	12.85	13.06	14.33	14.20	0.07	0.16	0.27	0.35	0.45	0.53	0.60	0.68	0.76
1500	8.00	9.42	8.89	10.12	9.76	10.80	11.03	11.80	12.26	12.75	13.45	13.67	14.98	14.83	0.07	0.18	0.29	0.38	0.48	0.56	0.65	0.73	0.81
1600	8.35	9.85	9.28	10.58	10.19	11.29	11.51	12.32	12.78	13.30	14.01	14.24	15.57	15.42	0.08	0.19	0.31	0.41	0.52	0.60	0.69	0.78	0.86
1700	8.69	10.27	9.65	11.02	10.59	11.75	11.96	12.81	13.27	13.81	14.53	14.77	16.11	15.96	0.08	0.20	0.33	0.43	0.55	0.64	0.74	0.83	0.92
1800	9.00	10.67	10.09	11.44	10.97	12.19	12.37	13.27	13.72	14.29	15.00	15.25	16.60	16.44	0.09	0.21	0.35	0.45	0.58	0.68	0.78	0.88	0.97
1900	9.30	11.05	10.32	11.84	11.32	12.61	12.76	13.70	14.13	14.74	15.42	15.70	17.03	16.88	0.10	0.22	0.37	0.48	0.61	0.71	0.82	0.93	1.03
2000	9.57	11.41	10.63	12.22	11.65	13.00	13.11	14.11	14.50	15.14	15.80	16.10	17.39	17.26	0.10	0.24	0.39	0.51	0.65	0.75	0.87	0.97	1.08
2100	9.83	11.75	10.91	12.57	11.95	13.36	13.43	14.48	14.83	15.52	16.13	16.47	17.70	17.59	0.11	0.25	0.41	0.53	0.68	0.79	0.91	1.03	1.14
2200	10.06	12.07	11.16	12.91	12.22	13.70	13.72	14.82	15.11	15.85	16.40	16.78	17.94	17.85	0.11	0.26	0.42	0.56	0.71	0.82	0.95	1.08	1.19
2300	10.27	12.37	11.39	13.21	12.46	14.02	13.97	15.13	15.36	16.14	16.63	17.05	18.12	18.08	0.12	0.27	0.44	0.58	0.74	0.86	1.09	1.12	1.24
2400	10.46	12.65	11.59	13.50	12.67	14.30	14.18	15.41	15.56	16.40	16.80	17.27	18.22	18.23	0.12	0.28	0.46	0.61	0.78	0.90	1.02	1.18	1.30
2500	10.63	12.91	11.77	13.76	12.85	14.56	14.35	15.65	15.71	16.61	16.91	17.44	18.26	18.32	0.12	0.29	0.48	0.63	0.83	0.93	1.08	1.22	1.35
2600	10.78	13.15	11.92	14.00	13.00	14.79	14.49	15.86	15.81	16.79	16.96	17.56	---	---	0.13	0.31	0.50	0.56	0.84	0.97	1.13	1.27	1.41
2700	10.90	13.37	12.04	14.22	13.11	14.99	14.58	16.03	15.86	16.92	16.96	17.63	---	---	0.13	0.32	0.52	0.68	0.87	1.01	1.17	1.32	1.46
2800	10.99	13.57	12.14	14.40	13.20	15.17	14.63	16.17	15.87	17.00	16.42	17.74	---	---	0.14	0.33	0.54	0.71	0.91	1.05	1.21	1.37	1.51
2900	11.07	13.75	12.20	14.57	13.25	15.31	14.64	16.27	15.82	17.04	---	---	---	---	0.14	0.34	0.56	0.73	0.94	1.09	1.25	1.42	1.56
3000	11.11	13.90	12.24	14.70	13.26	15.42	14.61	16.33	15.81	17.09	---	---	---	---	0.15	0.36	0.58	0.76	0.97	1.12	1.30	1.47	1.62
3100	11.13	14.06	12.24	14.81	13.24	15.50	14.53	16.36	---	---	---	---	---	---	0.15	0.37	0.60	0.78	0.99	1.14	1.34	1.51	1.67
3200	11.13	14.14	12.21	14.90	13.18	15.55	14.41	16.34	---	---	---	---	---	---	0.16	0.38	0.62	0.81	1.02	1.19	1.39	1.56	1.73
3300	11.10	14.22	12.15	14.95	13.09	15.57	---	---	---	---	---	---	---	---	0.16	0.39	0.64	0.83	1.06	1.23	1.43	1.61	1.77
3400	11.04	14.28	12.06	14.98	12.95	15.55	---	---	---	---	---	---	---	---	0.17	0.40	0.66	0.85	1.10	1.28	1.47	1.56	1.84
3500	10.95	15.31	11.94	14.97	---	---	---	---	---	---	---	---	---	---	0.17	0.41	0.68	0.89	1.12	1.31	1.51	1.71	1.89
3600	10.83	14.32	11.78	14.94	---	---	---	---	---	---	---	---	---	---	0.18	0.43	0.70	0.92	1.15	1.35	1.56	1.76	1.95
3700	10.68	14.31	---	---	---	---	---	---	---	---	---	---	---	---	0.18	0.44	0.71	0.94	1.19	1.39	1.61	1.81	2.01
3800	10.50	14.26	---	---	---	---	---	---	---	---	---	---	---	---	0.19	0.45	0.73	0.96	1.23	1.43	1.66	1.86	2.06
3900	10.30	14.19	---	---	---	---	---	---	---	---	---	---	---	---	0.19	0.46	0.74	0.99	1.27	1.47	1.70	1.91	2.11
4000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.20	0.47	0.76	1.02	1.30	1.50	1.74	1.96	2.16

Note: Shaded area indicates operation above 6500 FPM rim speed. Special sheave construction required.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

C S-L CLASSIC | **CX** CLASSIC COG

Basic Horsepower Ratings

Faster Shaft RPM	Rated HP per Belt for Small Sheave Datum Dia.																			
	6.0		6.5		7.0		7.5		8.0		8.5		9.0		9.5		10.0		10.5	
	C	CX	C	CX	C	CX	C	CX	C	CX	C	CX	C	CX	C	CX	C	CX	C	CX
870	5.57	9.32	6.78	10.36	7.98	11.39	9.16	12.40	10.33	13.40	11.48	14.39	12.62	15.36	13.74	16.32	14.85	17.26	15.95	18.20
1160	6.66	11.62	8.19	12.93	9.69	14.22	11.17	15.48	12.62	16.71	14.05	17.93	15.45	19.11	16.82	20.28	18.17	21.42	19.49	22.54
1750	8.07	15.57	10.11	17.30	12.09	18.97	14.00	20.59	15.84	22.15	17.62	23.65	19.32	25.09	20.94	26.47	22.49	27.78	23.96	29.02
3500	4.78	20.81	6.77	22.53	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
100	1.06	1.53	1.23	1.68	1.41	1.84	1.58	1.99	1.75	2.15	1.92	2.30	2.09	2.45	2.26	2.61	2.43	2.76	2.60	2.91
200	1.86	2.77	2.19	3.06	2.51	3.35	2.84	3.64	3.16	3.92	3.48	4.21	3.80	4.49	4.12	4.77	4.43	5.05	4.75	5.33
300	2.56	3.90	3.03	4.32	3.50	4.73	3.97	5.14	4.44	5.55	4.90	5.96	5.36	6.36	5.81	6.76	6.27	7.16	6.72	7.55
400	3.19	4.96	3.80	5.50	4.41	6.03	5.02	6.56	5.62	7.08	6.22	7.60	6.81	8.12	7.40	8.63	7.99	9.14	8.57	9.65
500	3.77	5.96	4.52	6.62	5.26	7.26	6.00	7.90	6.73	8.54	7.46	9.17	8.18	9.79	8.89	10.41	9.60	11.02	10.31	11.63
600	4.31	6.92	5.19	7.68	6.06	8.44	6.92	9.19	7.78	9.93	8.63	10.56	9.47	11.39	10.31	12.11	11.13	12.82	11.96	13.52
700	4.80	7.84	5.81	8.71	6.81	9.57	7.79	10.42	8.77	11.26	9.74	12.09	10.69	12.91	11.64	13.73	12.58	14.53	13.51	15.33
800	5.27	8.72	6.39	9.69	7.51	10.65	8.61	11.60	9.70	12.54	10.78	13.46	11.85	14.37	12.90	15.27	13.95	16.17	14.98	17.04
900	5.69	9.57	6.94	10.64	8.17	11.69	9.38	12.73	10.58	13.76	11.77	14.77	12.94	15.77	14.09	16.75	15.23	17.72	16.35	18.68
1000	6.09	10.38	7.45	11.55	8.79	12.69	10.11	13.82	11.41	14.94	12.69	16.03	13.96	17.11	15.20	18.17	16.43	19.21	17.63	20.23
1100	6.46	11.17	7.92	12.42	9.37	13.66	10.79	14.87	12.19	16.06	13.56	17.23	14.91	18.38	16.24	19.51	17.54	20.61	18.82	21.70
1200	6.79	11.92	8.36	13.26	9.90	14.58	11.42	15.87	12.91	17.14	14.37	18.38	15.80	19.59	17.20	20.78	18.57	21.94	19.91	23.08
1300	7.09	12.65	8.76	14.07	10.40	15.47	12.00	16.83	13.57	18.16	15.11	19.47	16.61	20.74	18.08	21.98	19.51	23.19	20.90	24.37
1400	7.36	13.35	9.13	14.85	10.85	16.31	12.53	17.74	14.18	19.14	15.78	20.50	17.35	21.82	18.87	23.11	20.35	24.36	21.78	25.58
1500	7.61	14.02	9.45	15.59	11.26	17.12	13.02	18.61	14.73	20.06	16.40	21.48	18.01	22.84	19.58	24.17	21.09	25.45	22.55	26.69
1600	7.82	14.66	9.75	16.30	11.62	17.89	13.45	19.44	15.22	20.94	16.94	22.39	18.60	23.79	20.19	25.15	21.73	26.45	23.21	27.70
1700	7.99	15.27	10.00	16.97	11.94	18.62	13.83	20.22	15.65	21.76	17.41	23.25	19.10	24.68	20.72	26.05	22.27	27.36	23.74	28.61
1800	8.14	15.85	10.21	17.61	12.22	19.31	14.15	20.95	16.02	22.53	17.81	24.04	19.52	25.49	21.14	26.86	22.69	28.17	24.15	29.41
1900	8.25	16.41	10.39	18.22	12.44	19.96	14.42	21.63	16.32	23.24	18.13	24.77	19.84	26.22	21.47	27.60	23.00	28.90	24.42	30.11
2000	8.33	16.93	10.52	18.79	12.62	20.57	14.63	22.27	16.55	23.89	18.37	25.43	20.08	26.88	21.69	28.25	23.18	29.52	24.56	30.69
2100	8.37	17.42	10.61	19.32	12.75	21.13	14.79	22.85	16.71	24.49	18.53	26.02	20.22	27.46	21.80	28.80	23.25	30.04	24.56	31.16
2200	8.38	17.89	10.56	19.82	12.82	21.65	14.88	23.39	16.80	25.02	18.60	26.55	20.27	27.96	21.80	29.27	23.18	30.45	24.41	31.51
2300	8.35	18.32	10.66	20.28	12.85	22.13	14.90	23.87	16.82	25.49	18.59	27.00	20.21	28.38	21.68	29.63	22.98	30.75	---	---
2400	8.28	18.72	10.62	20.70	12.81	22.56	14.86	24.29	16.76	25.90	18.49	27.38	20.05	28.71	21.44	29.90	---	---	---	---
2500	8.17	19.08	10.53	21.08	12.73	22.94	14.76	24.66	16.62	26.25	18.29	27.68	19.78	28.95	21.07	30.07	---	---	---	---
2600	8.03	19.42	10.39	21.42	12.58	25.27	1425	24.98	16.39	23.52	18.00	27.90	19.40	29.11	---	---	---	---	---	---
2700	7.84	19.72	10.20	21.72	12.37	23.56	14.34	25.23	16.09	26.73	17.61	28.04	---	---	---	---	---	---	---	---
2800	7.61	19.98	9.97	21.98	12.10	23.80	14.02	25.43	15.69	26.87	---	---	---	---	---	---	---	---	---	---
2900	7.34	20.21	9.68	22.19	11.77	23.98	13.62	25.56	15.21	26.93	---	---	---	---	---	---	---	---	---	---
3000	7.03	20.41	9.33	22.37	11.38	24.11	13.15	25.63	---	---	---	---	---	---	---	---	---	---	---	---
3100	6.67	20.57	8.94	22.49	10.91	24.19	12.59	25.64	---	---	---	---	---	---	---	---	---	---	---	---
3200	6.27	20.69	8.48	22.57	10.38	24.21	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3300	5.82	20.77	7.97	22.61	9.78	24.17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3400	5.32	20.81	7.40	22.59	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3500	4.78	20.81	6.77	22.53	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3600	4.18	20.77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3700	3.53	20.69	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3800	2.83	20.57	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Note: Shaded area indicates operation above 6500 FPM rim speed. Special sheave construction required.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

C	S-L CLASSIC	CX	CLASSIC COG

Basic Horsepower Ratings

Faster	Rated HP per Belt for Small Sheave Datum Dia.										Add'l HP/Belt for Speed Ratio of:					
Shaft	11.0		12.0		13.0		14.0		16.0		1.03	1.10	1.20	1.40	1.80	3.00
RPM	C	CX	C	CX	C	CX	C	CX	C	CX	1.09	1.19	1.39	1.79	2.99	& up
870	17.03	19.12	19.15	20.92	21.21	22.66	23.20	24.36	27.00	27.57	0.13	0.37	0.59	0.82	0.97	1.05
1160	20.78	23.63	23.27	25.74	25.64	27.75	27.88	29.64	31.96	33.10	0.17	0.49	0.79	1.09	1.30	1.40
1750	25.35	30.20	27.86	32.34	30.00	34.18	---	---	---	---	0.26	0.74	1.19	1.65	1.96	2.11
3500	---	---	---	---	---	---	---	---	---	---	0.52	1.47	2.37	3.30	3.92	4.22
100	2.76	3.06	3.10	3.35	3.43	3.65	3.75	3.94	4.40	4.51	0.01	0.04	0.07	0.09	0.11	0.12
200	5.06	5.60	5.68	6.15	6.30	6.69	6.91	7.22	8.12	8.28	0.03	0.08	0.14	0.19	0.22	0.24
300	7.17	7.94	8.06	8.72	8.95	9.49	9.82	10.25	11.55	11.74	0.04	0.13	0.20	0.28	0.34	0.36
400	9.15	10.15	10.29	11.14	11.43	12.12	12.55	13.08	14.75	14.98	0.06	0.17	0.27	0.38	0.45	0.48
500	11.01	12.23	12.39	13.43	13.76	14.60	15.11	15.75	17.75	18.01	0.07	0.21	0.34	0.47	0.56	0.60
600	12.77	14.22	14.38	15.60	15.96	16.95	17.51	18.27	20.54	20.85	0.09	0.25	0.41	0.57	0.67	0.72
700	14.43	16.11	16.24	17.66	18.02	19.17	19.76	20.65	23.12	23.51	0.10	0.29	0.47	0.66	0.78	0.84
800	15.99	17.91	17.99	19.61	19.94	21.27	21.84	22.88	25.48	25.97	0.12	0.34	0.54	0.75	0.90	0.97
900	17.46	19.62	19.62	21.46	21.73	23.24	23.76	24.96	27.62	28.23	0.13	0.38	0.61	0.85	1.01	1.09
1000	18.82	21.24	21.13	23.20	23.36	25.08	25.50	26.89	29.50	30.28	0.15	0.42	0.68	0.94	1.12	1.21
1100	20.08	22.76	22.51	24.82	24.83	26.79	27.05	28.66	31.12	32.11	0.16	0.46	0.75	1.04	1.23	1.33
1200	21.22	24.19	23.75	26.33	26.15	28.35	28.40	30.26	32.47	33.71	0.18	0.51	0.81	1.13	1.34	1.45
1300	22.26	25.52	24.85	27.72	27.28	29.77	29.54	31.69	33.51	35.06	0.19	0.55	0.88	1.23	1.45	1.57
1400	23.17	26.75	25.80	28.98	28.24	31.04	30.46	32.93	34.24	36.16	0.21	0.59	0.95	1.32	1.57	1.69
1500	23.96	27.88	26.60	30.11	29.00	32.15	31.15	33.98	34.63	36.98	0.22	0.63	1.02	1.41	1.68	1.81
1600	24.62	28.89	27.23	31.11	29.56	33.09	31.59	34.83	---	---	0.24	0.67	1.09	1.51	1.79	1.93
1700	25.14	29.79	27.69	31.97	29.91	33.86	31.77	35.47	---	---	0.25	0.72	1.15	1.60	1.90	2.05
1800	25.52	30.58	27.98	32.67	30.04	34.45	---	---	---	---	0.27	0.76	1.22	1.70	2.01	2.17
1900	25.75	31.24	28.07	33.23	---	---	---	---	---	---	0.28	0.80	1.29	1.79	2.13	2.29
2000	25.82	31.77	27.97	33.63	---	---	---	---	---	---	0.30	0.84	1.36	1.89	2.24	2.41
2100	25.74	32.18	---	---	---	---	---	---	---	---	0.31	0.88	1.42	1.98	2.35	2.53
2200	---	---	---	---	---	---	---	---	---	---	0..33	0.93	1.49	2.07	2.46	2.66
2300	---	---	---	---	---	---	---	---	---	---	0.34	0.97	1.56	2.17	2.57	2.78
2400	---	---	---	---	---	---	---	---	---	---	0.36	1.01	1.63	2.26	2.69	2.90
2500	---	---	---	---	---	---	---	---	---	---	0.37	1.05	1.70	2.36	2.80	3.02
2600	---	---	---	---	---	---	---	---	---	---	0.39	1.10	1.76	2.45	2.91	3.14
2700	---	---	---	---	---	---	---	---	---	---	0.40	1.14	1.83	2.54	3.02	3.26
2800	---	---	---	---	---	---	---	---	---	---	0.42	1.18	1.90	2.64	3.13	3.38
2900	---	---	---	---	---	---	---	---	---	---	0.43	1.22	1.97	2.73	3.25	3.50
3000	---	---	---	---	---	---	---	---	---	---	0.45	1.26	2.04	2.83	3.36	3.62
3100	---	---	---	---	---	---	---	---	---	---	0.46	1.31	2.10	2.92	3.47	3.74
3200	---	---	---	---	---	---	---	---	---	---	0.48	1.35	2.17	3.02	3.58	3.86
3300	---	---	---	---	---	---	---	---	---	---	0.49	1.39	2.24	3.11	3.69	3.98
3400	---	---	---	---	---	---	---	---	---	---	0.51	1.43	2.31	3.20	3.80	4.10
3500	---	---	---	---	---	---	---	---	---	---	0.52	1.47	2.37	3.30	3.92	4.22
3600	---	---	---	---	---	---	---	---	---	---	0.54	1.52	2.44	3.39	4.03	4.35
3700	---	---	---	---	---	---	---	---	---	---	0.55	1.56	2.51	3.49	4.14	4.47
3800	---	---	---	---	---	---	---	---	---	---	0.57	1.60	2.58	3.58	4.25	4.59

Note: Shaded area indicates operation above 6500 FPM rim speed. Special sheave construction required.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

SELECTION

DODGE

D | **S-L CLASSIC**

Basic Horsepower Ratings

Faster Shaft RPM	Rated HP per Belt for Small Sheave Datum Dia.											Additional HP/Belt for Speed Ratio of:								
	12.0	13.0	13.5	14.0	14.5	15.0	15.5	16.0	18.0	20.0	22.0	1.02 thru 1.04	1.05 thru 1.08	1.09 thru 1.12	1.13 thru 1.18	1.19 thru 1.24	1.25 thru 1.34	1.35 thru 1.51	1.52 thru 1.99	2.00 and Up
700	19.3	22.7	24.3	25.9	27.6	29.2	30.7	32.3	38.4	44.1	49.5	.26	.60	.98	1.29	1.65	1.91	2.20	2.48	2.75
870	22.2	26.1	28.0	29.9	31.7	33.5	35.3	37.1	43.8	50.0	55.5	.32	.75	1.22	1.61	2.05	2.37	2.74	3.09	3.42
1150	25.7	30.2	32.4	34.5	36.5	38.5	40.5	42.3	49.1	54.6	58.8	.43	1.00	1.63	2.14	2.73	3.16	3.65	4.11	4.56
50	2.26	2.59	2.75	2.91	3.07	3.24	3.40	3.56	4.19	4.82	5.44	.02	.04	.07	.09	.12	.14	.16	.18	.20
100	4.10	4.71	5.02	5.32	5.63	5.93	6.23	6.53	7.73	8.91	10.1	.04	.09	.14	.18	.24	.27	.31	.35	.39
150	5.76	6.65	7.09	7.53	7.97	8.41	8.85	9.28	11.0	12.7	14.4	.06	.13	.21	.28	.35	.41	.47	.53	.59
200	7.32	8.47	9.04	9.61	10.2	10.7	11.3	11.9	14.1	16.3	18.5	.07	.17	.28	.37	.47	.54	.63	.71	.79
300	10.2	11.8	12.7	13.5	14.3	15.1	15.9	16.7	19.9	23.0	26.1	.11	.26	.42	.55	.71	.82	.94	1.06	1.18
400	12.8	14.9	16.0	17.0	18.1	19.1	20.1	21.1	25.2	29.2	33.0	.15	.35	.56	.74	.94	1.09	1.26	1.42	1.57
500	15.1	17.7	19.0	20.3	21.5	22.8	24.0	25.2	30.0	34.7	39.3	.19	.43	.70	.92	1.18	1.36	1.57	1.77	1.96
600	17.3	20.3	21.8	23.2	24.7	26.1	27.5	28.9	34.4	39.7	44.8	.22	.52	.84	1.11	1.41	1.63	1.89	2.13	2.36
700	19.3	22.7	24.3	25.9	27.6	29.2	30.7	32.3	38.3	44.1	49.5	.26	.60	.98	1.29	1.65	1.91	2.20	2.48	2.75
800	21.1	24.8	26.6	28.4	30.1	31.9	33.6	35.3	41.7	47.8	53.4	.30	.69	1.13	1.48	1.88	2.18	2.52	2.84	3.14
900	22.6	26.6	28.6	30.5	32.4	34.2	36.0	37.8	44.6	50.7	56.3	.34	.78	127	1.66	2.12	2.45	2.83	3.19	3.53
1000	24.0	28.2	30.3	32.3	34.3	36.2	38.1	39.9	46.8	52.9	58.2	.37	.86	1.41	1.85	2.35	2.72	3.15	3.55	3.93
1100	25.1	29.5	31.7	33.8	35.8	37.8	39.7	41.6	48.4	54.2	58.9	.41	.95	1.55	2.03	2.59	3.00	3.46	3.90	4.32
1200	26.0	30.6	32.8	34.9	36.9	38.9	40.9	42.7	49.3	54.6	58.5	.45	1.04	1.69	2.21	2.82	3.27	3.78	4.26	4.71
1300	26.7	31.3	33.5	35.7	37.7	39.7	41.5	43.3	49.5	54.0	56.8	.49	1.12	1.83	2.40	3.06	3.54	4.09	4.61	5.11
1400	27.0	31.7	33.9	36.0	38.0	39.9	41.7	43.4	48.9	52.4	53.6	.52	1.21	1.97	2.58	3.29	3.81	4.41	4.97	5.50
1500	27.1	31.8	33.9	36.0	37.9	39.7	41.3	42.8	47.4	49.6	49.1	.56	1.30	2.11	2.77	3.53	4.09	4.72	5.32	5.89
1600	27.0	31.5	33.6	35.5	37.3	38.9	40.3	41.6	45.1	45.6	42.9	.60	1.38	2.25	2.95	3.76	4.36	5.04	5.68	6.28
1700	26.5	30.9	32.8	34.6	36.1	37.5	38.8	39.8	41.8	40.4	35.0	.63	1.47	2.39	3.14	4.00	4.63	5.35	6.03	6.68
1800	25.7	29.8	31.6	33.1	34.5	35.6	36.5	37.2	37.6	33.8	---	.67	1.55	2.53	3.32	4.23	4.90	5.67	6.38	7.07

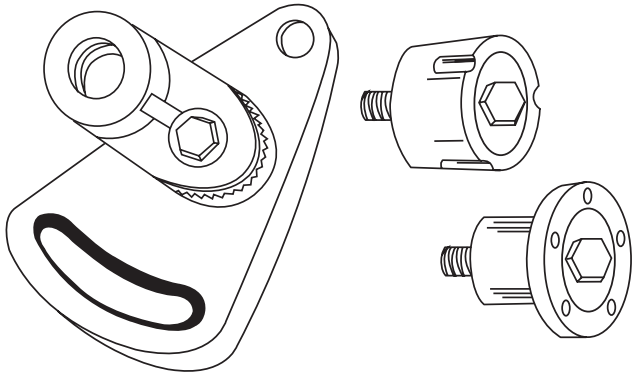
Shaded areas indicate rim speed exceeding 6500 FPM which may require special sheaves

IDLER

Brackets and Bushings

- Double Adjustable Bracket for Maximum Flexibility
- Positive Ratchet Locking Between Base and Arm
- Idler Bushings in TAPER-LOCK and QD Style
- Use with Stock Products, such as: Sheaves, Roller Chain Sprockets, HTD Sprockets
- Compatible with Products Machined for:

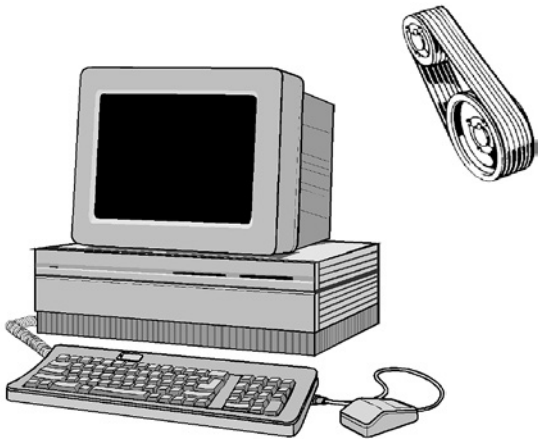
  TAPER-LOCK 1610, 2012 and 2517 Bushings QD SK, SF and E Bushings
- Also, NEMA - Motor Bases Shaft Collars



Refer to Related Products (page PT12-40) for complete data.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

Computer Drive Selection Program



For any given set of drive conditions, there are many different drives that will satisfy the requirements. What is a “best drive”? It could be the drive with lowest initial cost, or the drive with the lowest bearing load, or the drive which minimizes the number of parts required.

Finding the best drive is a time-consuming and frustrating task for the design engineer. Manual drive selection, pricing, and organizing of data for analysis can be a long, drawn-out process, prone to errors and oversights. VIA-VISA Software handles such problems with ease and displays drive selection alternatives in an organized format that makes analysis a simple process.

Here’s what you get with VIA-VISA Software selection:

- Belt size, type, quantity, part number.
- Sheave sizes, part number.
- Bushing type, part number.
- Drive face width.
- Actual center distance.
- Installation force/deflection values for drive tensioning.
- Belt pull, dynamic shaft load for bearing and shafting calculations.
- Net price (if discount multipliers entered). Default to total list price.
- Belt speed in feet per minute.
- Calculated driven RPM
- Calculated actual service factor.

Ask your DODGE Sales Engineer for a demonstration and instruction on how you can obtain your personal VIA-VISA package.

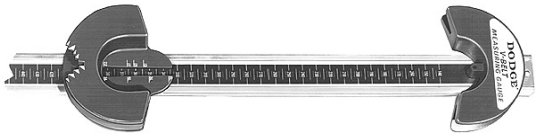
NOTE: Selection program VIA-VISA available at www.ptwizard.com.

V-Drive Accessories

V-Belt Measuring Gage

This gage allows you to measure belts that may have lost their identification. This is easily done by slipping belt in “sheave” grooves and moving bottom sheave until belts is taut. Notched portion of bottom sheave indicates belt width. Belt length is then read opposite corresponding width on scale. Gage is made of aluminum and plastic – rust proof and durable.

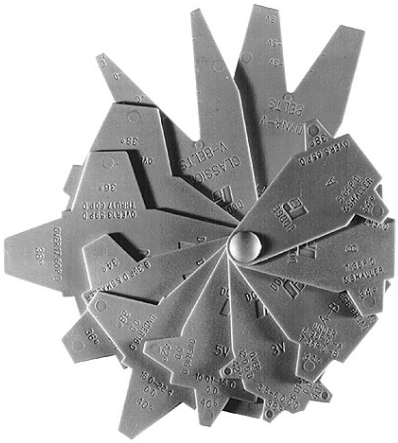
Part No. 450966
Wt - 1 Lb.



V-Belt Groove and Belt Gage

When V-belt sections or sheave groove need to be identified this set of molded plastic gages can be the handiest thing in your tool box. Includes 8 gages for grooves and 2 for belts covering Classical A thru E, A/B Combination grooves and Narrow 3V, 5V and 8V. They are pinned together so that the individual gages will not become lost.

Part No. 121294
Wt. - 0.12 Lb.



RELATED PRODUCTS

V-Drive Accessories

V-Belt Tension Tester

This convenient tool facilitates easy checking of belt tension on drives having two or more belts. Scales are provided for reading both the required force and the distance of belt deflection which are used in properly tensioning belts. Force range is 0 - 35 lbs.

Part No. 109082
Wt. - 0.5 Lb.

Precision Laser Alignment Device

Identifies common types of pulley misalignment.

Part No. 109993
Wt. - 30 Lb

Double Barrel Tension Tester

Maximum deflection force: 66 lbs. For use with all multiple V-belts and large synchronous belts.

Part No. 109991
Wt. - 0.5 Lb

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

Five Barrel Tension Tester

Maximum deflection force: 165 lbs. For use with multiple V-belts and large synchronous belts.

Part No. 109992
Wt. - 1 Lb.

Sonic Tension Meter - Model 507C

The Sonic Tension Meter is an electronic device that measures the natural frequency of a free stationary belt span and instantly computes the static belt tensions based upon the belt span length, belt width, and belt type. The Sonic Tension Meter can accurately measure belt tensions for both synchronous and v-belts. Other features include:

- Output readings can be switched between pounds, kilograms, newtons and hertz
- Auto gain control automatically adjusts meter sensitivity
- Auto frequency range filters for background noise
- Frequency range from 10 - 5,000 Hz

Sonic Tension Meter - Model 507C (Comes with meter)	**Part No. 109994**	Wt. - 1.0 Lb.
★ Flexible Sensor	**Part No. 109995**	Wt. - 0.2 Lb.
Cord Sensor	**Part No. 109996**	Wt. - 0.2 Lb.
★ Inductive Sensor (magnets included)	**Part No. 109997**	Wt. - 0.2 Lb.

★ Optional accesories

INSTALLING/TENSIONING V-DRIVES
INSTALLING A DRIVE

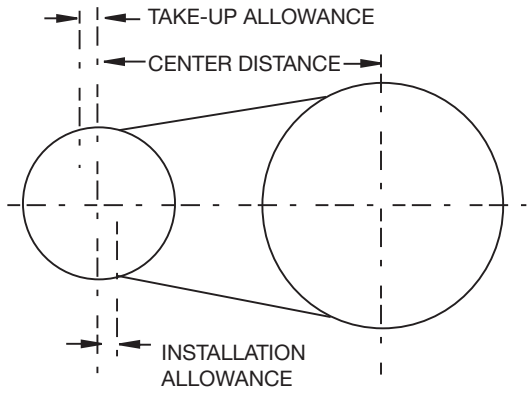
Check Condition of Sheaves–Before a new set of V-belts are installed, check the condition of the sheaves. Dirty or rusty sheaves impair the drive's efficiency and abrade the belts, which result in premature failure.

Worn sheaves shorten belt life as much as 50%. If the grooves are worn to where the belt bottoms, slippage may result and burn the belts. If the sidewalls are "dished out," the bottom shoulder ruins the belts prematurely by wearing off the bottom corners.

Check Sheave Alignment–Sheave adjustment should be checked by placing a straight edge or tight cord across the sheave faces so that it touches all four points of contact. Ordinarily, a misalignment of more than one-half of one degree (one-eighth inch in one foot) will adversely affect belt life. Improper sheave alignment produces uneven wear on one side of the belt, causes the belt to roll over in the sheaves or throws all the load on one side of the belt, stretching or breaking the cords on that side.

INSTALLATION AND TAKE-UP ALLOWANCES

After calculating a center distance from a standard pitch length, make provision for adjusting the center distance as in sketch below, to allow for installation of the belts without injury, for tensioning, and for maintenance of proper tension throughout the life of the belt. (Refer to Tables 11 or 12 for values).



Placing Belts on Sheaves–Shorten the center distance of the drive until the belts can be put on the sheaves without forcing. Forcing the belts can cause internal injury to the belts.

Belt Selection–For maximum service, replace V-belt drives with a complete new matched set of belts or use the new Matchmaker belts.

Never employ a used belt as a replacement for a unit of a set. Used belts, normally, are worn in cross-section and stretched. A new belt so applied will ride higher in the sheave, travel faster and operate at a much higher tension than the used belts. The cord center may be ruptured, allowing the new belt to elongate. Shortly after this occurs it will cease to accept its full share of the load, leaving the drive under-belted. Thus, the new belt is wasted. Belts of different manufacturers should not be mixed for the same reasons.

Table 11 - Center Distance Allowance for Narrow Belt Installation and Take-Up

Nom. Belt Lgth. in Inches	Min. Installation Allowance (in inches) (Below Center)						Min. Take-up Allowance (Above Center)
	3V Dyna-V	3V Poly-band	5V Dyna-V	5V Poly-band	8V Dyna-V	8V Poly-band	
Up to & incl. 47.5	.05	1.2	...	...	...	...	1.0"
50-71	0.8	1.4	1.0	2.1	...	...	1.2
75-106	0.8	1.4	1.0	2.1	1.5	3.4	1.5
112-125	0.8	1.4	1.0	2.1	1.5	3.4	1.8
132-170	0.8	1.4	1.0	2.1	1.5	3.4	2.2
180-200	...	...	1.0	2.1	1.8	3.6	2.5
212-236	...	...	1.2	2.4	1.8	3.6	3.0
250 & 265	...	...	1.2	2.4	1.8	3.6	3.2
280 & 300	...	...	1.2	2.4	1.8	3.6	3.5
315-355	...	...	1.2	2.4	2.0	4.0	4.0
375	...	...	...	...	2.0	4.0	4.5
400-560	...	...	...	...	2.0	4.0	5.5

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

INSTALLING/TENSIONING V-DRIVES

Table 12 - Center Distance Allowance for Classical Belt Installation and Take-Up

Nom. Belt Lgth. in Inches	Min. Installation Allowance (in inches) (Below Center)							Min. Take-up Allowance (Above Center)
	A	B	B Poly-band	C	C Poly-band	D	D Poly-band	
26-37	0.75	1.00	1.50	1.50	...	...	...	1.00"
38-59	0.75	1.00	1.50	1.50	2.00	...	...	1.50
60-89	0.75	1.25	1.61	1.50	2.00	...	...	2.00
90-119	1.00	1.25	1.61	1.50	2.00	...	...	2.50
120-157	1.00	1.25	1.81	1.50	2.11	2.0	2.00	3.00
158-194	...	1.25	1.81	2.00	2.20	2.00	3.00	3.50
195-239	...	1.50	1.81	2.00	2.31	2.00	3.20	4.00
240-269	...	1.50	2.00	2.00	2.50	2.50	3.20	4.50
270-329	...	1.50	2.20	2.00	2.50	2.50	3.50	5.00
330-419	...	...	...	2.00	2.70	2.50	3.60	6.00
420 & Over	...	...	...	2.50	2.90	3.00	4.10	1-1/2% of belt lgth.

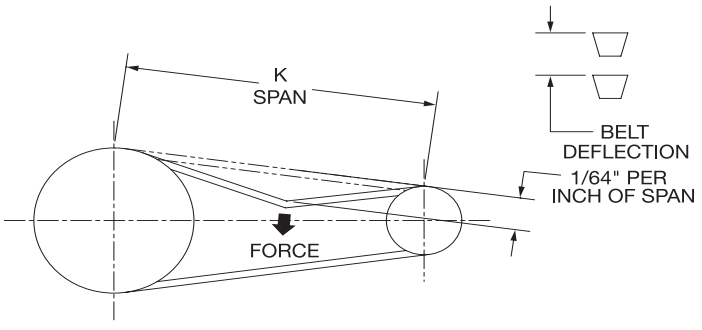
TENSIONING A DRIVE

General Rules of Tensioning–

1. Ideal tension is the lowest tension at which the belt will not slip under peak load conditions.
2. Check tension frequently during the first 24-48 hours of run-in operation.
3. Over tensioning shortens belt and bearing life.
4. Keep belts free from foreign material which may cause slip.
5. Make V-Drive inspection on a periodic basis. Tension when slipping. Never apply belt dressing as this will damage the belt and cause early failure.

SIMPLE TENSIONING PROCEDURE

1. Measure the span length, K.
2. At the center of the span (K) apply a force (perpendicular to the span) large enough to deflect the 1/64, for every inch of span length. For example, one deflection of a 100 inch span would be 100/64 or 1-9/16 inches.



3. Compare the force you have applied with the values given in Tables 13 or 14. If the force is between the values for normal tension, and 1-1/2 times normal tension, the drive tension should be satisfactory. A force below the value for normal tension indicates an under-tensioned drive. If the force exceeds the value for 1-1/2 times normal tension, the drive is tighter than it needs to be.

For V-Belt Tension Testers, See Page PT7-142.

After the proper operating tension has been applied to the belts, a double-check should be made of the following:

a. Parallel position of the sheave shafts.
b. Correct alignment of sheave grooves.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

INSTALLING/TENSIONING V-DRIVES

Table 13 - Belt Deflection Force (Check Factory For Conditions Not Covered In This Table)

V-Belt Section	Small Sheave		Deflection Force In Lbs. For Drive Speed Ratio of:			
	Speed Range	Diameter	1.0	1.5	2.0	4.0 +
A (AP)	1800-3600	3.0	2.0	2.3	2.4	2.6
	1800-3600	4.0	2.6	2.8	3.0	3.3
	1800-3600	5.0	3.0	3.3	3.4	3.7
	1800-3600	7.0	3.5	3.7	3.8	4.3
B (BP)	1200-1800	4.6	3.7	4.3	4.5	5.0
	1200-1800	5.0	4.1	4.6	4.8	5.6
	1200-1800	6.0	4.8	5.3	5.5	6.3
	1200-1800	8.0	5.7	6.2	6.4	7.2
C (CP)	900-1800	7.0	6.5	7.0	8.0	9.0
	900-1800	9.0	8.0	9.0	10.0	11.0
	900-1800	12.0	10.0	11.0	12.0	13.0
	700-1500	16.0	12.0	13.0	13.0	14.0
D (DP)	900-1500	12.0	13.0	15.0	16.0	17.0
	900-1500	15.0	16.0	18.0	19.0	21.0
	700-1200	18.0	19.0	21.0	22.0	24.0
	700-1200	22.0	22.0	23.0	24.0	26.0
AX	1800-3600	3.0	2.5	2.8	3.0	3.3
	1800-3600	4.0	3.3	3.6	3.8	4.2
	1800-3600	5.0	3.7	4.1	4.3	4.6
	1800-3600	7.0	4.3	4.6	4.8	5.3
BX	1200-1800	4.6	5.2	5.8	6.0	6.9
	1200-1800	5.0	5.4	6.0	6.3	7.1
	1200-1800	6.0	6.0	6.4	6.7	7.7
	1200-1800	8.0	6.6	7.1	7.5	8.2
CX	900-1800	7.0	10.0	11.0	12.0	13.0
	900-1800	9.0	11.0	12.0	13.0	14.0
	900-1800	12.0	12.0	13.0	13.0	14.0
	700-1500	16.0	13.0	14.0	14.0	15.0
DX	900-1500	12.0	16.0	18.0	19.0	20.0
	900-1500	15.0	19.0	21.0	22.0	24.0
	700-1200	18.0	22.0	24.0	25.0	27.0
	700-1200	22.0	25.0	27.0	28.0	30.0

V-Belt Section	Small Sheave		Deflection Force in Lbs. for Drive Speed Ratio of:			
	Speed Range	Diameter	1.0	1.5	2.0	4.0+
3VX	1200–3600	2.2	2.2	2.5	2.7	3.0
	1200–3600	2.5	2.6	2.9	3.1	3.6
	1200–3600	3.0	3.1	3.5	3.7	4.2
	1200–3600	4.1	3.9	4.3	4.5	5.1
	1200–3600	5.3	4.6	4.9	5.1	5.7
	1200–3600	6.9	5.0	5.4	5.6	6.2
5VX	1200–3600	4.4	6.5	7.5	8.0	9.0
	1200–3600	5.2	8.0	9.0	9.5	10.0
	1200–3600	6.3	9.5	10.0	11.0	12.0
	1200–3600	7.1	10.0	11.0	12.0	13.0
	900–1800	9.0	12.0	13.0	14.0	15.0
	900–1800	14	14.0	15.0	16.0	17.0
8VX	900–1800	12.5	18.0	21.0	23.0	25.0
	900–1800	14.0	21.0	23.0	24.0	28.0
	700–1500	17.0	24.0	26.0	28.0	30.0
	700–1500	21.2	28.0	30.0	32.0	34.0
	400–1000	24.8	31.0	32.0	34.0	36.0
5V	900–1800	7.1	8.5	9.5	10.0	11.0
	900–1800	9.0	10.0	11.0	12.0	13.0
	900–1800	14	12.0	13.0	14.0	15.0
	700–1200	21.2	14.0	15.0	16.0	17.0
8V	900–1800	12.5	18.0	21.0	23.0	25.0
	900–1800	14.0	21.0	23.0	24.0	28.0
	700–1500	17.0	24.0	26.0	28.0	30.0
	700–1200	21.2	28.0	30.0	32.0	34.0
	400–1000	24.8	31.0	32.0		36.0

Notes: 1. Use approximately 130% of above values to tension a new set of belts
2. Use closest sheave diameter for sizes not shown.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

TECHNICAL

INSTALLING/TENSIONING V-DRIVES

Table 14 - POLYBAND Plus Belt Deflection Force (Lbs.) (Force is pounds for one belt only)

Cross Section	Small Sheave Diameter Range	RPM Range	Belt Deflection Force*	
			Normal	New Belt
5VF	7.1-10.9	200-700	21.1	30.9
		701-1250	18.0	26.3
		1251-1900	16.7	23.4
		1901-3000	15.8	23.0
5VF	11.8-16.0	200-700	26.8	39.5
		701-1250	23.5	34.7
		1251-2100	22.7	33.3
8VF	12.5-20.0	200-500	44.7	65.8
		501-850	38.5	56.6
		851-1150	35.2	51.6
		1151-1650	33.5	49.0
8VF	21.2-25.0	200-500	65.9	97.6
		501-850	61.2	90.6
		851-1200	57.0	84.3

* Multiply the force required for one belt by the number of belts in the Polyband Plus unit to get total force to apply.

Example: New 8VF drive with a small sheave dia. equal to 20".

The rpm of the sheave is 1000.

The belt to be installed is 8/8VF4000.

T otal deflection force = table value x 8 = 51.6 x 8 = 413 lbs.

Belt Pull and Bearing Loads

Belt Pull Calculations–The following method of calcu lating belt pull is found to be the most convenient and ac curate for drives operating at design loads and tensions:

$$T1 + T2 = 33{,}000\ (2.5\text{-}G)\left(\frac{HP}{GV}\right)$$

WHERE:

T1 = Tight side tension, pounds

T2 = Slack side tension, pounds

HP = Design horsepower

V = Belt speed, feet per minute = (PD) (RPM) (.262)

G = Arc of contact correction factor

D-d / C	Arc of Contact	Factor G	D-d / C	Arc of Contact	Factor G
.00	180°	1.00	.80	133°	.87
.10	174°	.99	.90	127°	.85
.20	169°	.97	1.00	120°	.82
.30	163°	.96	1.10	113°	.80
.40	157°	.94	1.20	106°	.77
.50	151°	.93	1.30	99°	.73
.60	145°	.91	1.40	91°	.70
.70	139°	.89	1.50	83°	.65

Arc of contact is on small sheave

D = Diam. of large sheave

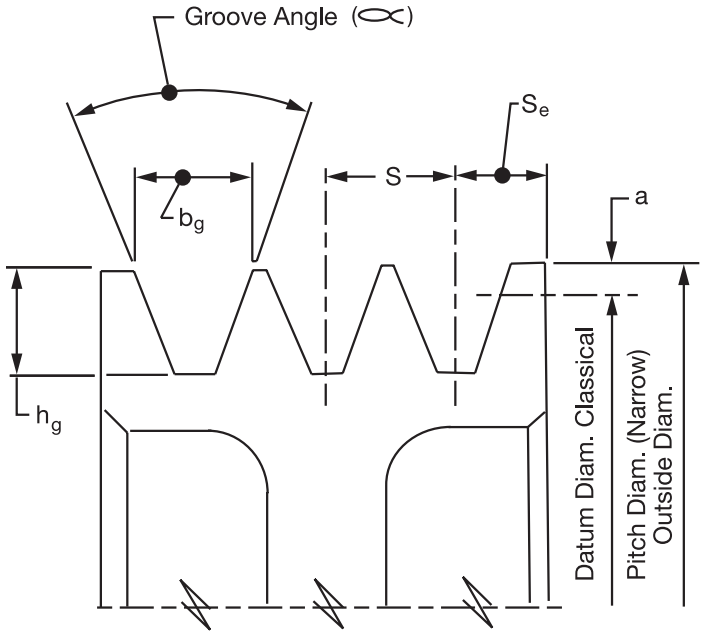
d = Dia. of small sheve

C = Cener distance

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

DODGE

V-Belt Sheave Groove Dimensions



Narrow

Belt Section	Outside Diameter Range	∝∝ ± 0.25	bg ± .005	hg Min.	a	S ± .015	Se	
3VX, 3V	LESS THAN 3.50	36°	.350	0.340	0.025	0.406	0.344	+.094 -.000
	3.50 TO 6.00	38°						
	6.01 to 12.00	40°						
	0ver12.00	42°						
5VX, 5V	Less than 10.00	38°	.600	0.590	.050	0.688	0.500	+.125 -.000
	10.00 to 16.00	40°						
	0ver 16.00	42°						
8VX, 8V	Less than 16.00	38°	1.000	0.990	.100	1.125	0.750	+.250 -.000
	16.00 to 22.40	40°						
	Over 22.40	42°						

Classical

Belt Section	Pitch Diameter Min. Recom.	Pitch Diameter Range	m + 0.33	bg		hg Min.	2a ref *	S ± .025	Se	
AX, A	3.0	2.6 to 5.4	34°	.494	±.005	.460	.125	.625	.375	+.090 -.062
		Over 5.4	38°	.504						
BX, B	5.4	4.6 to 7.0	34°	.637	±.006	.550	.175	.750	.500	+.120 -.065
		Over 7.0	38°	.650						
A, B AX, BX	-	To 7.0	34°	.612	±.006	.612	A (.634/.602) B (.333/.334)	.750	.500	+.120 -.065
		Over 7.0	38°	.625						
CX, C	9.0	7.0 to 7.99	34°	.879	±.007	.750	.200	1.000	.688	+.160 -.070
		8.0 to 12.0	36°	.887						
		Over 12.0	38°	.895						
DX,D	13.0	12.0 to 12.9 . . .	34°	1.259	±.008	1.020	.300	1.438	.875	+.220 -.080
		13.0 to 17.0 . . .	36°	1.271						
		Over 17.0	38°	1.283						
E	21.0	18.0 to 24.0 . . .	36°	1.527	±.010	1.300	.400	1.750	1.125	+.250 -.000
		Over 24.0	38°	1.542						

Note–For complete manufacturing tolerances – see RMA, MPTA, Narrow/Classical V-belt Standards.

* Datum diameter, not pitch diameter.

NOTE: Selection program VIA-VISA available at www.ptwizard.com.

ENGINEERING/TECHNICAL

More Power and Life From V-Drives

Trouble Area And Observation	Cause	Remedy
Belt Stretch Beyond Take-Up Belt stretch unequally.	Mis-aligned drive, unequal work done by belts.	Realign and re-tension drive.
All belts stretch about equally.	Belt tensile member broken from improper installation. Insufficient take-up allowance. Greatly overloaded or underdesigned drive.	Replace all belts with new matched set properly installed. Check take-up and follow allowance on page . Redesign.
Short Belt Life Relatively rapid failure; no visible reason.	Tensile members damaged through improper installation. Worn sheave grooves (check with groove gauge) Under-designed drive.	Replace with all new matched set, properly installed. Replace sheaves. Redesign.
Sidewalls soft and sticky. Low adhesion between cover plies. Cross-section swollen. Sidewalls dry and hard. Low adhesion between cover plies. Bottom belt cracked.	Oil or grease on belts or sheaves. High temperatures.	Remove source of oil or grease. Clean belts and grooves with cloth moistened with alcohol. Remove source of heat. Ventilate drive better.
BELT TURN OVER 	Excess lateral belt whip. Foreign material in grooves. Mis-aligned sheaves. Worn sheave grooves (check with groove gauge). Tensile member broken through improper installation. Incorrectly placed flat idler pulley.	Use Banded belt. Remove material–shield drive. Realign the drive. Replace sheave. Replace with new matched set properly installed. Carefully align flat idler on slack side of drive as close as possible to driver sheave.
DETERIORATION OF RUBBER COMPOUNDS USED IN BELT	Belt dressing.	Never use dressing on V-belts. Clean with cloth moistened with alcohol. Tension drive properly to prevent slip.
Extreme cover wear.	Belts rub against belt guard or other obstruction.	Remove obstruction or align drive to give needed clearance.
Spin burns on belt.	Belts slip under starting or stalling load.	Tighten drive until slipping stops.
Bottom of belt cracked. Broken belts.	Too small sheaves. Object falling into or hitting drive.	Redesign for larger sheaves. Replace with new matched set of belts. Provide shield for drive.
IMPROPER DRIVEN SPEED Incorrect driveR-driveN ratio. Spin burns on belt.	Design error. Belt slip.	Use correct sheave sizes. Re-tension drive until belt stops slipping.
BELT NOISE	Belt slip.	Re-tension drive until it stops slipping.
HOT BEARINGS		
Drive over-tensioned.	Worn grooves-belts bottoming and will not transmit power until over-tensioned. Improper tensioning.	Replace sheaves. Tension drive properly. Re-tension drive.
Sheaves too small.	Motor manufacturers sheave diameters not followed.	Redesign drive.
Poor bearing condition.	Underdesigned bearing or poor bearing maintenance.	Observe recommended bearing design and maintenance.
Sheaves out too far on shaft.	Error or obstruction problem.	Place sheaves as close as possible to bearings. Remove any obstruction preventing this.
Drive under-tensioned.	Belts slipping and causing heat build-up.	Re-tension drive.

NOTE: Selection program VIAVISA available at www.ptwizard.com.

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FEATURES/BENEFITS

FHP Light Duty V-Drives

The Economical Option For Smaller Drives

- Fractional thru 10 HP at 1750 RPM
- One or Two Groove
- Fixed Pitched or Variable Pitch
- Use Standard Belts FHP:
  3L-4L-5L SL Classic:
  A or B Section Classic Cog: AX or BX

Variable Pitch Sheaves

- One and Two Grooves
- Selections Available up to 30HP, 1750 RPM
- Durable Cast Iron Construction
- Static Balance
- Driven Sheave Options:
  FHP Bored-to-Size
  FHP QT-Bushed
  Taper-Lock Dual Duty
  QD Combination Duty
- Belt Options Include FHP, Classical
- Adjustment Range 1.3:1 (Approx.)
- Positive Locking of Adjustment Setting
- New Easy Selection Procedure
- Applications Include: Conveyors, Pumps, Fans, Mixers, Ventilators, etc.

QT-Bushed Sheave

- Sizes AKQT, 2AKQT, BKQT, 2BKQT
- Durable Cast Iron Construction
- Industry Standard H-Style Bushing
- Interchangeable with QT and D Bushing
- Secure Clamp Fit to Shaft
- Bore Range 3/8 to 1-1/2”
- Integral Key Bushing Available in Select Bores
- Inch and Metric Bores
- Static Balance
- Suitable for Higher Capacity AX or BX Classic Cog Belts

Finish Bore Sheaves

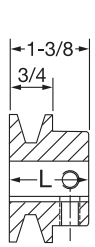
- Sizes AK, 2AK, BK, 2BK
- Bored-to-Size
- Keyway and Setscrew
- Durable Cast Iron Construction
- Static Balance
- Stocked in Popular Sizes
- Not Recommended for Classic Cog Belts

NOTE: Selection tools available online at www.dodge-pt.com

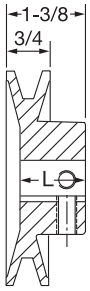
SELECTION/DIMENSIONS

LIGHT DUTY FIXED BORE SHEAVES

AK (A & 3L - 4L V-BELTS)



TYPE 1



TYPE 2

A = Arms

B = Block

W = Web

- Finished Bore
- Keyway and (2) Setscrew
- Cast Iron, max speed 6500 FPM

Shaft Dia.	Keyseat
1/2	none
5/8 - 7/8"	3/16 X 3/32
15/16 - 1-1/4"	1/4 X 1/8
1-5/16 - 1-3/8"	5/16 X 5/32
1-7/16"	3/8 X 3/16

1 GROOVE

O.D.	Datum Dia.		SHV	Type	L	Bore/Part Number											Approx
	3L (0)	4L(A)	NO			1/2	5/8	3/4	7/8	15/16	1	1-1/8	1-3/16	1-1/4	1-3/8	1-7/16	Wgt
1.55	---	1.30	AK15 / MA15	1B	1.25	**121626**	**121627**										.40
1.75	---	1.50	AK17 / MA18	1B	1.38	**121631**	**121632**	**121633**									.40
2.00	1.41	1.75	AK20 / MA20	1B	1.38	**121636**	**121637**	**121638**									.70
2.10	1.51	1.85	AK21 / MA21	1B	1.38	**127100**	**127101**	**127102**									.70
2.20	1.61	1.95	AK22 / MA22	1B	1.38	**127436**	**127437**	**127438**									.80
2.30	1.71	2.05	AK23 / MA23	1B	1.38	**121642**	**121643**	**121644**	**121645**								.80
2.50	1.91	2.25	AK25 / MA25	2B	1.25	**121649**	**121650**	**121651**	**121652**								.90
2.60	2.01	2.35	AK26 / MA26	2B	1.25	**127103**	**127104**	**127105**									.90
2.70	2.11	2.45	AK27 / MA27	2B	1.25	**127107**	**121503**	**127108**									.90
2.80	2.21	2.55	AK28 / MA28	2B	1.25	**121655**	**121656**	**121657**	**121658**		**121659**						.90
3.05	2.46	2.80	AK30 / MA30	2B	1.25	**121662**	**121663**	**121664**	**121665**		**121666**						1.20
3.25	2.66	3.00	AK32 / MA33	2B	1.25	**121669**	**121670**	**121671**	**121672**		**121673**	**121674**					1.50
3.45	2.86	3.20	AK34 / MA35	2B	1.25	**121676**	**121677**	**121678**	**121679**		**121680**	**121681**					1.40
3.75	3.16	3.50	AK39 / MA38	2W	1.13	**121530**	**121531**	**121532**	**121533**	**127110**	**121534**	**121535**					1.50
3.95	3.36	3.70	AK41 / MA40	2W	1.13	**121536**	**121537**	**121538**	**121539**	**127111**	**121540**	**121541**					2.00
4.25	3.66	4.00	AK44 / MA43	2W	1.13	**121542**	**121543**	**121544**	**121545**	**127112**	**121546**	**121547**					2.00
4.45	3.86	4.20	AK46 / MA45	2W	1.13	**121548**	**121549**	**121550**	**121551**	**127113**	**121552**	**121553**					2.00
4.75	4.16	4.50	AK49 / MA48	1A	1.38	**121554**	**121555**	**121556**	**121557**	**127114**	**121558**	**121559**					2.00
4.95	4.36	4.70	AK51 / MA50	1A	1.38	**121560**	**121561**	**121562**	**121563**		**121564**	**121565**					2.00
5.25	4.66	5.00	AK54 / MA53	1A	1.38	**121566**	**121567**	**121568**	**121569**	**127115**	**121570**	**121571**	**121572**				2.50
5.45	4.86	5.20	AK56 / MA55	1A	1.38	**121573**	**121574**	**121575**	**121576**	**127116**	**121577**	**121578**	**121579**				2.50
5.75	5.16	5.50	AK59 / MA58	1A	1.38	**127117**	**127118**	**127119**	**127120**	**127121**	**127122**	**127123**	**127124**				2.50
5.95	5.36	5.70	AK61 / MA60	1A	1.38	**121580**	**121581**	**121582**	**121583**	**127125**	**121584**	**121585**	**121586**				3.00
6.25	5.66	6.00	AK64 / MA63	1A	1.38	**121587**	**121588**	**121589**	**121590**	**127126**	**121591**	**121592**	**121593**				3.00
6.45	5.86	6.20	AK66 / MA65	1A	1.38		**127209**	**121594**			**121595**	**127128**					3.00
6.75	6.16	6.50	AK69 / MA68	1A	1.38			**127129**			**127130**	**127131**					3.00
6.95	6.36	6.70	AK71 / MA70	1A	1.38		**127132**	**121596**			**121597**	**127133**					3.50
7.25	6.66	7.00	AK74 / MA73	1A	1.38	**121598**	**121599**	**121600**		**127134**	**121601**	**121602**	**127135**	**127136**		**127137**	3.50
7.75	7.16	7.50	AK79 / MA78	1A	1.38			**127138**			**127139**	**127140**				**127141**	3.50
8.25	7.66	8.00	AK84 / MA83	1A	1.38	**127142**	**121609**	**121610**		**127143**	**121611**		**121612**			**127144**	4.40
8.75	8.16	8.50	AK89 / MA88	1A	1.38			**127145**			**127146**	**127147**				**127148**	4.50
9.25	8.66	9.00	AK94 / MA93	1A	1.38	**127210**	**127211**	**121800**		**127212**	**127213**		**127214**	**121803**		**127215**	5.40
9.75	9.16	9.50	AK99 / MA98	1A	1.38			**127149**			**127150**					**127151**	5.50
10.25	9.66	10.00	AK104 / MA103	1A	1.38		**121809**	**121810**			**121811**		**127216**	**127217**	**127218**	**127219**	6.00
10.75	10.16	10.50	AK109 / MA108	1A	1.38			**127152**			**127153**				**127220**	**127154**	6.00
11.25	10.66	11.00	AK114 / MA113	1A	1.38			**127155**			**127156**		**127222**			**127223**	6.50
12.25	11.66	12.00	AK124 / MA123	1A	1.38		**121820**	**121821**			**121823**		**127224**	**127226**		**127227**	7.00
13.25	12.66	13.00	AK134 / MA133	1A	1.38			**121620**			**121621**		**121622**		**127106**	**127109**	8.50
14.25	13.66	14.00	AK144 / MA143	1A	1.38			**121623**			**121624**		**121628**			**121629**	9.00
15.25	14.66	15.00	AK154 / MA153	1A	1.38			**121634**			**121639**		**121640**		**127228**	**121646**	9.00
18.25	17.66	18.00	AK184 / MA183	1A	1.38			**121647**			**121653**		**121654**			**121660**	14.00

P.D. for "3L Belt = D.D. + .25" = O.D. -.34"
P.D. for "A" (4L) Belt = O.D.
DO NOT use 3L belts with AK15 and AK17 sheaves
Bore sizes marked X are available - POA

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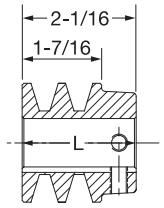
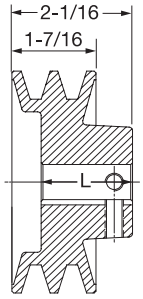
SELECTION/DIMENSIONS

LIGHT DUTY FIXED BORE SHEAVES

2AK (A V-BELTS)



TYPE 3



TYPE 4

A = Arms

B = Block

W = Web

- Finished Bore
- Keyway and (2) Setscrew
- Cast Iron, max speed 6500 FPM

Shaft Dia.	Keyseat
1/2	none
5/8 - 7/8"	3/16 X 3/32
15/16 - 1-1/4"	1/4 X 1/8
1-5/16 - 1-3/8"	5/16 X 5/32
1-7/16"	3/8 X 3/16

2 GROOVES

O.D	D.D. A Belt	SHV NO	Type	L	Bore/Part Number										Approx Wgt
					1/2	5/8	3/4	7/8	15/16	1	1-1/8	1-3/16	1-3/8	1-7/16	
2.00	1.75	2AK20 / 2MA20	3B	2.06	**121835**	**121836**	**121837**	**121838**							1.00
2.15	1.90	2AK21 / 2MA22	3B	2.06	**127158**	**127159**	**127160**								1.00
2.25	2.00	2AK22 / 2MA23	3B	2.06	**121839**	**121840**	**121841**	**121842**		**121843**					1.00
2.35	2.10	2AK23 / 2MA24	4B	1.88		**127161**	**127162**	**127163**		**127229**					1.00
2.55	2.30	2AK25 / 2MA25	4B	1.69	**121844**	**121845**	**121846**	**121847**		**121848**	**121849**				1.50
2.65	2.40	2AK26 / 2MA27	4B	1.88		**127164**	**127165**	**127166**							1.50
2.75	2.50	2AK27 / 2MA28	4B	1.69	**121850**	**121851**	**121852**	**121853**		**121854**	**121855**				1.50
2.85	2.60	2AK28 / 2MA29	4B	1.69		**127169**	**127170**	**127171**		**127172**					1.50
3.05	2.80	2AK30 / 2MA30	4B	1.69	**121856**	**121857**	**121858**	**121859**		**121860**	**121861**				2.00
3.25	3.00	2AK32 / 2MA33	4B	1.63	**121862**	**121863**	**121864**	**121865**		**121866**	**121867**				2.00
3.45	3.20	2AK34 / 2MA35	4B	1.63	**121868**	**121869**	**121870**	**121871**		**121872**	**121873**				2.50
3.75	3.50	2AK39 / 2MA38	4B	1.63	**121874**	**121875**	**121876**	**121877**		**121878**	**121879**				3.00
3.95	3.70	2AK41 / 2MA40	4W	1.56		**121959**	**121880**	**121881**		**121882**	**121883**				3.00
4.25	4.00	2AK44 / 2MA43	4W	1.56		**121884**	**121885**	**121886**		**121887**	**121888**				3.00
4.45	4.20	2AK46 / 2MA45	4W	1.69				**121891**		**121892**	**121893**				4.00
4.75	4.50	2AK49 / 2MA48	4W	1.56			**121895**	**121896**		**121897**	**127230**		**127231**		3.50
4.95	4.70	2AK51 / 2MA50	4W	1.56			**121899**	**121900**		**121901**	**127439**		**127232**		4.00
5.25	5.00	2AK54 / 2MA53	4W	1.56		**121902**	**121903**	**121904**		**121905**	**127233**		**127234**		4.00
5.45	5.20	2AK56 / 2MA55	4W	1.56		**121906**	**121907**			**121909**	**127440**		**127235**		5.00
5.75	5.50	2AK59 / 2MA58	4W	1.56						**121910**	**127236**		**127237**		5.00
5.95	5.70	2AK61 / 2MA60	4W	1.69			**121911**	**121912**		**121913**	**127238**		**127240**		6.00
6.25	6.00	2AK64 / 2MA63	4A	1.56			**121914**			**121916**	**127241**	**121917**	**127242**	**121918**	5.50
7.25	7.00	2AK74 / 2MA73	4A	1.56			**121919**			**121920**	**127243**	**121921**	**127244**	**121922**	6.00
8.25	8.00	2AK84 / 2MA83	4A	1.56			**121923**		**121924**	**121925**	**127245**	**121926**	**127246**	**121927**	8.00
9.25	9.00	2AK94 / 2MA93	4A	1.56			**121928**			**121930**	**127248**	**121931**	**127249**	**121932**	9.00
10.25	10.00	2AK104 / 2MA103	4A	1.56			**121933**		**121934**	**121935**				**121937**	10.00
11.25	11.00	2AK114 / 2MA113	4A	1.56						**121939**		**121940**	**127250**	**121941**	11.00
12.25	12.00	2AK124 / 2MA123	4A	1.59						**121943**		**121944**		**121945**	12.00
13.25	13.00	2AK134 / 2MA133	4A	1.59								**121947**		**121948**	14.00
14.25	14.00	2AK144 / 2MA143	4A	1.56						**121949**				**121951**	15.00
15.25	15.00	2AK154 / 2MA153	4A	1.56								**121953**		**121954**	17.00
18.25	18.00	2AK184 / 2MA183	4A	1.53								**121957**		**121958**	19.00

PD for "A" Belts = O.D.

Bore sizes marked X are available - POA

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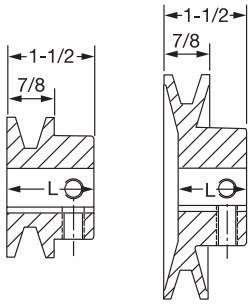
LIGHT DUTY FIXED BORE SHEAVES

BK (A & 4L - B & 5L V-BELTS)

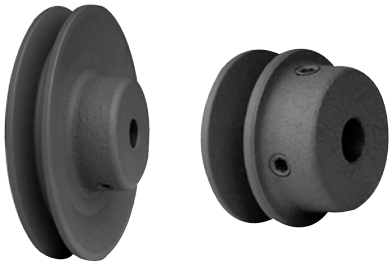


TYPE 5 TYPE 6

A = Arms

B = Block

W = Web



- Finished Bore
- Keyway and (2) Setscrew
- Cast Iron, max speed 6500 FPM

Shaft Dia.	Keyseat
1/2	none
5/8 - 7/8"	3/16 X 3/32
15/16 - 1-1/4"	1/4 X 1/8
1-5/16 - 1-3/8"	5/16 X 5/32
1-7/16"	3/8 X 3/16

1 GROOVE

O.D.	Datum Dia.		SHV	Type	L	Bore/Part Number											Approx
	A (4L)	B (5L)	NO			1/2	5/8	3/4	7/8	15/16	1	1-1/8	1-3/16	1-1/4	1-3/8	1-7/16	Wgt
2.00	* 1.25	1.65	BK20 / MB20	5B	1.50	**121682 ***	**121683 ***	**121684 ***									.50
2.25	* 1.50	1.90	BK23 / MB23	6B	1.34	**121685**	**121686**	**121687**	**121688**		**121689 ***						1.00
2.40	1.65	2.05	BK24 / MB24	6B	1.50	**127173**	**127174**	**127175**									1.00
2.50	* 1.75	2.15	BK25 / MB25	5B	1.50	**121691**	**121692**	**121693**	**121694**		**121695 ***	*					1.00
2.60	1.85	2.25	BK26 / MB26	5B	1.50	**127176**	**127177**	**127178**	**127179**								1.00
2.70	1.95	2.35	BK27 / MB28	6B	1.38	**121697**	**121698**	**121699**	**121700**		**121701**						1.00
2.95	2.20	2.60	BK28 / MB30	6B	1.38	**121706**	**121707**	**121708**	**121709**		**121710**	**121711**					1.00
3.15	2.40	2.80	BK30 / MB31	6B	1.38	**127180**	**127181**	**127182**	**127183**								1.00
3.25	2.50	2.90	BK31 / MB33	6B	1.38	**121714**	**121715**	**121716**	**121717**		**121718**	**121719**					1.00
3.35	2.60	3.00	BK32 / MB34	6B	1.38	**127184**	**127185**	**127186**	**127187**								1.00
3.55	2.80	3.20	BK34 / MB35	6B	1.38	**121722**	**121723**	**121724**	**121725**		**121726**	**121727**					1.50
3.75	3.00	3.40	BK36 / MB38	6B	1.25	**120850**	**120851**	**120852**	**120853**		**120854**	**120855**					1.50
3.95	3.20	3.60	BK40 / MB40	6B	1.25	**120856**	**120857**	**120858**	**120859**		**120860**	**120861**					2.00
4.25	3.50	3.90	BK45 / MB43	6W	1.25	**120862**	**120863**	**120864**	**120865**		**120866**	**120867**					2.00
4.45	3.70	4.10	BK47 / MB45	6W	1.25	**120874**	**120875**	**120876**	**120877**		**120878**	**127201**					2.00
4.75	4.00	4.40	BK50 / MB48	5W	1.50	**121010**	**121011**	**121012**	**121013**	**127206**	**121014**	**121015**					2.50
4.95	4.20	4.60	BK52 / MB50	5W	1.50	**120885**	**120886**	**120887**	**120888**		**120889**	**120890**					2.50
5.25	4.50	4.90	BK55 / MB53	6W	1.31	**120892**	**120893**	**120894**	**120895**		**120896**	**120897**	**127221**				3.00
5.45	4.70	5.10	BK57 / MB55	5A	1.50		**120899**	**120900**	**120901**	**127225**	**120902**	**120903**					2.50
5.75	5.00	5.40	BK60 / MB58	5A	1.50	**120910**	**120911**	**120912**	**120913**		**120914**	**120915**	**120916**				2.50
5.95	5.20	5.60	BK62 / MB60	5A	1.50	**120917**	**120918**	**120919**	**120920**	**127239**	**120921**	**120922**	**120923**				2.50
6.25	5.50	5.90	BK65 / MB63	5A	1.50		**120924**	**120925**			**120926**	**120927**					3.00
6.45	5.70	6.10	BK67 / MB65	5A	1.50		**120929**	**120930**			**120932**	**120933**					3.00
6.75	6.00	6.40	BK70 / MB68	5A	1.50		**120942**	**120943**		**127247**	**120945**	**120946**	**120947**			**120949**	4.00
6.95	6.20	6.60	BK72 / MB70	5A	1.50			**120950**			**120951**	**127301**			**127252**		3.50
7.25	6.50	6.90	BK75 / MB73	5A	1.50			**120952**			**120953**	**127302**					3.50
7.45	6.70	7.10	BK77 / MB75	5A	1.50			**127254**			**127255**	**127256**			**127257**		4.00
7.75	7.00	7.40	BK80 / MB78	5A	1.50		**120954**	**120955**	**120956**		**120957**	**120958**	**120959**	**120960**	**127303**	**120961**	4.00
8.25	7.50	7.90	BK85 / MB83	5A	1.50			**121661**			**121668**	**127304**			**127258**	**127259**	4.50
8.75	8.00	8.40	BK90 / MB88	5A	1.50			**127260**	**120962**	**127261**	**120963**	**120847**	**127262**		**127263**	**127264**	5.00
9.25	8.50	8.90	BK95 / MB93	5A	1.50			**127265**			**127266**	**127267**			**127268**	**127269**	5.50
9.75	9.00	9.40	BK100 / MB98	5A	1.50			**120972**	**120973**	**127270**	**120974**	**120975**	**120976**	**120977**	**127305**	**120978**	6.00
10.25	9.50	9.90	BK105 / MB103	5A	1.50						**127271**				**127272**	**127273**	6.50
10.75	10.00	10.40	BK110 / MB108	5A	1.50			**120980**			**120981**	**120848**	**120982**		**127274**	**127275**	7.00
11.25	10.50	10.90	BK115 / MB113	5A	1.50						**120985**				**127442**	**120989**	8.00
11.75	11.00	11.40	BK120 / MB118	5A	1.50			**120990**			**120991**		**120992**		**127443**	**120994**	8.00
12.75	12.00	12.40	BK130 / MB128	5A	1.50			**120995**			**120996**	**120997**	**120998**	**121000**		**121001**	9.00
13.75	13.00	13.40	BK140 / MB138	5A	1.50			**127276**			**127277**	**127157**	**127278**			**127279**	10.00
15.75	15.00	15.40	BK160 / MB158	5A	1.50						**121690**	**127280**	**121696**	**121833**		**121834**	12.00
18.75	18.00	18.40	BK190 / MB188	5A	1.50								**121521**	**121527**		**121528**	14.00

P.D. for A (4L) Belts = Datum Dia. + .35 = O.D. -.40

P.D. for B (5L) Belts = O.D.

(*) DO NOT use "A" or "4L" belts with these specific bores

Bore sizes marked X are available - POA

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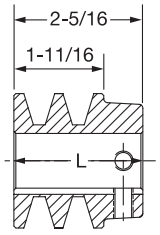
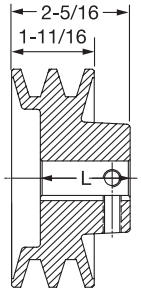
SELECTION/DIMENSIONS

LIGHT DUTY FIXED BORE SHEAVES

2BK (A & B V-BELTS)



TYPE 7



TYPE 8

A = Arms

B = Block

W = Web

- Finished Boe
- Keyway and (2) Setscrew
- Cast Iron, max speed 6500 FPM

Shaft Dia.	Keyseat
1/2	none
5/8 - 7/8"	3/16 X 3/32
15/16 - 1-1/4"	1/4 X 1/8
1-5/16 - 1-3/8"	5/16 X 5/32
1-7/16"	3/8 X 3/16

2 GROOVES

O.D	D.D. A(4L) Belt	D.D. B(5L) Belt	SHV NO	Type	L	Bore/Part Number									
						1/2	5/8	3/4	7/8	1	1-1/8	1-3/16	1-3/8	1-7/16	Wgt
2.50	* 1.90	2.30	2BK25 / 2MB25	7B	2.31	**121730**	**121731**	**121732**	**121733**	**121734 ***	*				1.50
1.70	2.10	2.50	2BK27 / 2MB28	8B	1.94	**121736**	**121737**	**121738**	**121739**	**121740**	**121741**				1.50
2.95	2.20	2.60	2BK28 / 2MB30	8B	1.94	**121742**	**121743**	**121744**	**121745**	**121746**	**121747**				2.00
3.15	2.40	2.80	2BK30 / 2MB32	8B	1.88	**127281**	**127282**	**127283**	**127284**	**127285**	**127286**				2.00
3.35	2.60	3.00	2BK32 / 2MB34	8B	1.94		**121748**	**121749**	**121750**	**121751**	**121752**				3.00
3.55	2.80	3.20	2BK34 / 2MB35	8B	1.88		**121753**	**121754**	**121755**	**121756**	**121757**				2.50
3.75	3.00	3.40	2BK36 / 2MB38	8B	1.88			**121759**	**121760**	**121761**	**121762**		**127287**		3.00
3.95	3.20	3.60	2BK40 / 2MB40	8B	1.69		**121763**	**121764**	**121765**	**121766**	**121767**		**121768**		3.00
4.25	3.50	3.90	2BK45 / 2MB43	8W	1.81					**121772**	**121773**		**121774**		4.00
4.45	3.70	4.10	2BK47 / 2MB45	8W	1.81				**121776**	**121777**	**121778**				4.00
4.75	4.00	4.40	2BK50 / 2MB48	8W	1.81			**121780**		**121782**	**121783**		**121784**		4.00
4.95	4.20	4.60	2BK52 / 2MB50	8W	1.69				**121786**	**121787**	**121788**		**121789**		4.50
5.25	4.50	4.90	2BK55 / 2MB53	8W	1.81						**121793**		**127288**		5.00
5.45	4.70	5.10	2BK57 / 2MB55	8W	1.81					**121796**	**121797**		**127289**		5.00
5.75	5.00	5.40	2BK60 / 2MB58	8W	1.81			**121798**	**121799**	**121960**	**121961**		**127290**		5.00
5.95	5.20	5.60	2BK62 / 2MB60	8W	1.81					**121963**	**121964**		**127291**		6.00
6.25	5.50	5.90	2BK65 / 2MB63	8A	1.81					**121966**	**121967**		**127292**		6.00
6.45	5.70	6.10	2BK67 / 2MB65	8A	1.69					**121969**	**121970**		**127293**		6.00
6.75	6.00	6.40	2BK70 / 2MB68	8A	1.81			**121971**		**121972**	**127294**	**121973**	**127295**	**121974**	6.00
7.75	7.00	7.40	2BK80 / 2MB78	8A	1.81			**121975**		**121977**	**127296**	**121978**	**127297**	**121979**	7.00
8.75	8.00	8.40	2BK90 / 2MB88	8A	1.81			**121980**		**121981**	**127298**	**121982**	**127299**	**121983**	8.00
9.75	9.00	9.40	2BK100 / 2MB98	8A	1.81			**121984**		**121986**		**121987**	**127300**	**121988**	10.00
10.75	10.00	10.40	2BK110 / 2MB108	8A	1.81					**121989**		**121990**		**121991**	13.00
11.75	11.00	11.40	2BK120 / 2MB118	8A	1.81					**121993**		**121994**		**121995**	10.00
12.75	12.00	12.40	2BK130 / 2MB128	8A	1.81					**121996**		**121997**		**121998**	15.00
13.75	13.00	13.40	2BK140 / 2MB138	8A	1.81					**121703**		**121704**		**121705**	17.00
15.75	15.00	15.40	2BK160 / 2MB158	8A	1.81					**121712**		**121713**		**121720**	18.00
18.75	18.00	18.40	2BK190 / 2MB188	8A	1.81							**121728**		**121729**	26.00

P.D. for A (4L) Belts = Datum Dia. + .35 = O.D. -.40
P.D. for B (5L) Belts = O.D.
(*) DO NOT use A belts with these specific bores
Bore sizes marked X are available - POA

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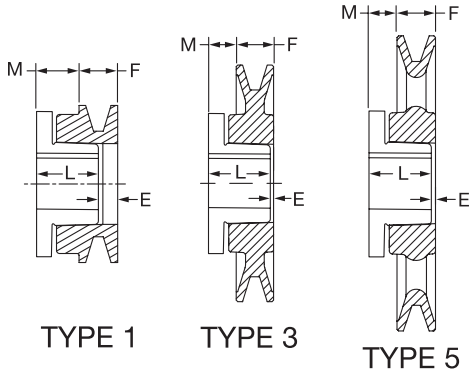
SELECTION/DIMENSIONS

QT-Bushed Sheaves



TYPE 1 TYPE 3 TYPE 5

QT-Bushed Sheaves

- Sizes AKQT, 2AKQT, BKQT, 2BKQT
- Uses QT(L)-Style Bushing
- Secure Clamp Fit to Shaft
- Bore Range 3/8 to 1-1/2"
- Integral Key Bushing —Available in Select Bores
- Inch and Metric Bores
- Suitable for Higher Capacity AX or BX Classic Cog Belts

AK (A & 3L - 4L V-BELTS)
1 GROOVE

O.D.	Datum Dia.		SHV NO	P/N	Type	Dimensions				Approx Wgt
	3L	A (4L)				E	F	L	M	
3.05	2.46	2.80	AK30QT / MAL30	**121017**	1B	0.38	0.75	1.69	0.97	1.15
3.25	2.66	3.00	AK32QT / MAL32	**121018**	1B	0.38	0.75	1.69	0.97	1.30
3.45	2.86	3.20	AK34QT / MAL34	**121019**	1B	0.09	0.75	1.69	0.69	1.20
3.75	3.16	3.50	AK39QT / MAL37	**121020**	1B	0.09	0.75	1.69	0.69	1.50
3.95	3.36	3.70	AK41QT / MAL39	**121021**	1B	0.09	0.75	1.69	0.69	1.75
4.25	3.66	4.00	AK44QT / MAL42	**121022**	1B	0.09	0.75	1.69	0.69	2.05
4.45	3.86	4.20	AK46QT / MAL44	**121023**	1B	0.09	0.75	1.69	0.69	2.25
4.75	4.16	4.50	AK49QT / MAL47	**121024**	3W	0.09	0.75	1.69	0.69	2.10
4.95	4.36	4.70	AK51QT / MAL49	**121025**	3W	0.09	0.75	1.69	0.69	2.35
5.25	4.66	5.00	AK54QT / MAL52	**121026**	3W	0.09	0.75	1.69	0.69	2.65
5.45	4.86	5.20	AK56QT / MAL54	**121027**	3W	0.09	0.75	1.69	0.69	2.75
5.75	5.16	5.50	AK59QT / MAL57	**121028**	5A	0.09	0.75	1.69	0.69	2.60
5.95	5.36	5.70	AK61QT / MAL59	**121029**	5A	0.09	0.75	1.69	0.69	2.50
6.25	5.66	6.00	AK64QT / MAL62	**121030**	5A	0.09	0.75	1.69	0.69	2.60
6.45	5.86	6.20	AK66QT / MAL64	**121031**	5A	0.09	0.75	1.69	0.69	2.70
6.75	6.16	6.50	AK69QT / MAL67	**121032**	5A	0.09	0.75	1.69	0.69	2.85
6.95	6.36	6.70	AK71QT / MAL69	**121033**	5A	0.09	0.75	1.69	0.69	2.90
7.25	6.66	7.00	AK74QT / MAL72	**121034**	5A	0.09	0.75	1.69	0.69	3.10
7.75	7.16	7.50	AK79QT / MAL77	**121035**	5A	0.09	0.75	1.69	0.69	3.35
8.25	7.66	8.00	AK84QT / MAL82	**121036**	5A	0.13	0.75	1.69	0.72	3.85
8.75	8.16	8.50	AK89QT / MAL87	**121037**	5A	0.09	0.75	1.69	0.69	4.10
9.25	8.66	9.00	AK94QT / MAL92	**121038**	5A	0.09	0.75	1.69	0.69	4.40
9.75	9.16	9.50	AK99QT / MAL97	**121039**	5A	0.09	0.75	1.69	0.69	4.60
10.25	9.66	10.00	AK104QT / MAL102	**121040**	5A	0.09	0.75	1.69	0.69	4.90
10.75	10.16	10.50	AK109QT / MAL107	**121041**	5A	0.09	0.75	1.69	0.69	5.20
11.25	10.66	11.00	AK114QT / MAL112	**121042**	5A	0.09	0.75	1.69	0.34	5.55
12.25	11.66	12.00	AK124QT / MAL122	**121043**	5A	0.09	0.75	1.69	0.69	5.90
13.25	12.66	13.00	AK134QT / MAL132	**121044**	5A	0.09	0.75	1.69	0.69	6.55
14.25	13.66	14.00	AK144QT / MAL142	**121045**	5A	0.09	0.75	1.69	0.69	7.30
15.25	14.66	15.00	AK154QT / MAL152	**121046**	5A	0.09	0.75	1.69	0.69	9.80
18.25	17.66	18.00	AK184QT / MAL182	**121529**	5A	0.09	0.75	1.69	0.69	9.95

P.D. for "3L Belt = D.D. + .25" = O.D. -.34"
P.D. for "A (4L)" is same as O.D

NOTE: See Bushing section for bores/part numbers of QT Bushings used with these Sheaves

QT(L)-Bushings

Size	Part No.	Size	Part No.
Bore/Keyway		**Integral Key**	
QT x 3/8-NKS	**121129**	QT x 3/4-IK	**121162**
QT x 7/16-NKS	**121130**	QT x 7/8-IK	**121163**
QT x 1/2-KW	**121131**	QT x 1-IK	**121164**
QT x 9/16-KW	**121133**	QT x 1-1/8-IK	**121186**
QT x 5/8-KW	**122050**	QT x 1-3/16-IK	**121187**
QT x 11/16-KW	**121134**	**Metric**	
QT x 3/4-KW	**122051**	QT x 14MM-KW	**121148**
QT x 13/16-KW	**121136**	QT x 19MM-KW	**121149**
QT x 7/8-KW	**122052**	QT x 20MM-KW	**121467**
QT x 15/16-KW	**121138**	QT x 24MM-KW	**121150**
QT x 1-KW	**122053**	QT x 25MM-KW	**121151**
QT x 1-1/16-KW	**121140**	QT x 28MM-KW	**121152**
QT x 1-1/8-KW	**122054**	QT x 30MM-KW	**121153**
QT x 13/16-KW	**122055**	QT x 32MM-KW	**121154**
QT x 1-1/4-KW	**122056**	**Reborable**	
QT x 15/16-KW	**121144**	QT x 3/8-NKS	**120595**
QT x 1-3/8-KW	**121145**		
QT x 17/16-KW	**121146**		
QT x 1-1/2-KW	**121147**		

NOTE: INSTALLATION SCREW SIZE=1/4-20X7/8
TORQUE=55 LB-IN

2AK (A V-BELTS)
2 GROOVE

O.D.	D.D. A Belts	SHV NO	P/N	Type	Dimensions				Approx Wgt
					E	F	L	M	
3.05	2.80	2AK30QT /2MAL30	**121048**	2B	1.00	1.38	1.34	.97	1.70
3.25	3.00	2AK32QT /2MAL32	**121049**	2B	1.00	1.38	1.34	.97	1.90
3.45	3.20	2AK34QT /2MAL34	**121050**	2B	.72	1.38	1.34	.69	1.90
3.75	3.50	2AK39QT /2MAL37	**121051**	2B	.72	1.38	1.34	.69	2.15
3.95	3.70	2AK41QT /2MAL39	**121052**	4B	.09	1.38	1.34	0.06	2.30
4.25	4.00	2AK44QT /2MAL42	**121053**	4B	.09	1.38	1.34	0.06	2.75
4.45	4.20	2AK46QT /2MAL44	**121054**	4W	.09	1.38	1.34	0.06	2.85
4.75	4.50	2AK49QT /2MAL47	**121055**	4W	.09	1.38	1.34	0.06	3.50
4.95	4.70	2AK51QT /2MAL49	**121056**	4W	.09	1.38	1.34	0.06	3.70
5.25	5.00	2AK54QT /2MAL52	**121057**	4W	.09	1.38	1.34	0.06	4.05
5.45	5.20	2AK56QT /2MAL54	**121058**	4W	.09	1.38	1.34	0.06	4.20
5.75	5.50	2AK59QT /2MAL57	**121059**	6A	.09	1.38	1.34	0.06	3.90
5.95	5.70	2AK61QT /2MAL59	**121060**	6A	.09	1.38	1.34	0.06	4.05
6.25	6.00	2AK64QT /2MAL62	**121061**	6A	.09	1.38	1.34	0.06	4.50
7.25	7.00	2AK74QT /2MAL72	**121062**	6A	.09	1.38	1.34	0.06	5.70
8.25	8.00	2AK84QT /2MAL82	**121063**	6A	.09	1.38	1.34	0.06	6.50
9.25	9.00	2AK94QT /2MAL92	**121064**	6A	.09	1.38	1.34	0.06	7.80
10.25	10.00	2AK104QT /2MAL102	**121065**	6A	.09	1.38	1.34	0.06	8.80
11.25	11.00	2AK114QT /2MAL112	**121066**	6A	.09	1.38	1.34	0.06	9.50
12.25	12.00	2AK124QT /2MAL122	**121067**	6A	.09	1.38	1.34	0.06	10.60
13.25	13.00	2AK134QT /2MAL132	**121068**	6A	.09	1.38	1.34	0.06	11.90
14.25	14.00	2AK144QT /2MAL142	**121069**	6A	.09	1.38	1.34	0.06	12.45
15.25	15.00	2AK154QT /2MAL152	**121070**	6A	.09	1.38	1.34	0.06	14.00
18.25	18.00	2AK184QT /2MAL182	**121008**	6A	.09	1.38	1.25	0.06	17.95

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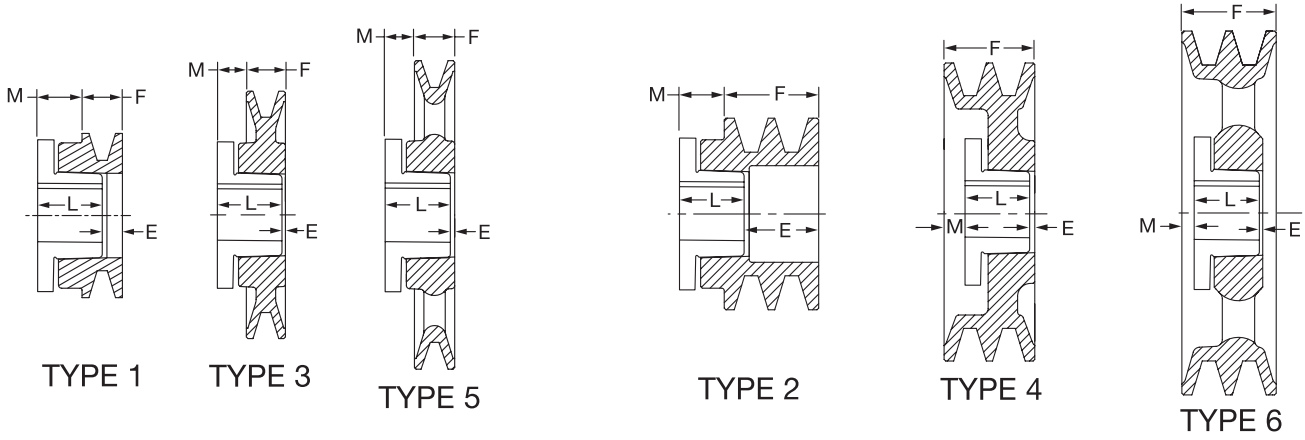
SELECTION/DIMENSIONS

QT-Bushed Sheaves



TYPE 1 TYPE 3 TYPE 5 TYPE 2 TYPE 4 TYPE 6

BK (A (3L) & B (4L) V-BELTS)
1 GROOVE

O.D.	Datum Dia.		SHV	P/N	Type	Dimensions				Approx
	3L	A (4L)	NO			E	F	L	M	Wgt
3.15	2.40	2.80	BK30QT / MBL31	**121072**	1B	.53	.91	1.34	.98	1.25
3.35	2.60	3.00	BK32QT / MBL33	**121073**	1B	.53	.91	1.34	.98	1.40
3.55	2.80	3.20	BK34QT / MBL35	**121074**	1B	.53	.91	1.34	.98	1.65
3.75	3.00	3.40	BK36QT / MBL37	**121075**	1B	.09	.91	1.34	.53	1.40
3.95	3.20	3.60	BK40QT / MBL39	**121076**	1B	.09	.91	1.34	.53	1.70
4.25	3.50	3.90	BK45QT / MBL42	**121077**	1B	.09	.91	1.34	.53	2.05
4.45	3.70	4.10	BK47QT / MBL44	**121078**	1B	.09	.91	1.34	.53	2.35
4.75	4.00	4.40	BK50QT / MBL47	**121079**	3W	.09	.91	1.34	.53	1.95
4.95	4.20	4.60	BK52QT / MBL49	**121080**	3W	.09	.91	1.34	.53	2.40
5.25	4.50	4.90	BK55QT / MBL52	**121081**	3W	.09	.91	1.34	.53	2.35
5.45	4.70	5.10	BK57QT / MBL54	**121082**	3W	.09	.91	1.34	.53	2.90
5.75	5.00	5.40	BK60QT / MBL57	**121083**	3W	.09	.91	1.34	.53	2.45
5.95	5.20	5.60	BK62QT / MBL59	**121084**	5A	.09	.91	1.34	.53	2.80
6.25	5.50	5.90	BK65QT / MBL62	**121085**	5A	.09	.91	1.34	.53	2.70
6.45	5.70	6.10	BK67QT / MBL64	**121086**	5A	.09	.91	1.34	.53	2.80
6.75	6.00	6.40	BK70QT / MBL67	**121087**	5A	.09	.91	1.34	.53	3.00
6.95	6.20	6.60	BK72QT / MBL69	**121088**	5A	.09	.91	1.34	.53	3.60
7.25	6.50	6.90	BK75QT / MBL72	**121089**	5A	.09	.91	1.34	.53	3.45
7.45	6.70	7.10	BK77QT / MBL74	**121090**	5A	.09	.91	1.34	.53	3.65
7.75	7.00	7.40	BK80QT / MBL77	**121091**	5A	.09	.91	1.34	.53	3.80
8.25	7.50	7.90	BK85QT / MBL82	**121092**	5A	.09	.91	1.34	.53	4.55
8.75	8.00	8.40	BK90QT / MBL87	**121093**	5A	.09	.91	1.34	.53	5.10
9.25	8.50	8.90	BK95QT / MBL92	**121094**	5A	.09	.91	1.34	.53	5.30
9.75	9.00	9.40	BK100QT / MBL97	**121095**	5A	.09	.91	1.34	.53	5.80
10.25	9.50	9.90	BK105QT / MBL102	**121096**	5A	.09	.91	1.34	.53	5.50
10.75	10.00	10.40	BK110QT / MBL107	**121097**	5A	.09	.91	1.34	.53	5.85
11.25	10.50	10.90	BK115QT / MBL112	**121098**	5A	.09	.91	1.34	.53	7.20
11.75	11.00	11.40	BK120QT / MBL117	**121099**	5A	.09	.91	1.34	.53	6.59
12.75	12.00	12.40	BK130QT / MBL127	**121100**	5A	.09	.91	1.34	.53	7.90
13.75	13.00	13.40	BK140QT / MBL137	**121101**	5A	.09	.91	1.34	.53	10.15
14.75	14.00	14.40	BK150QT / MBL147	**121102**	5A	.09	.91	1.34	.53	13.25
15.75	15.00	15.40	BK160QT / MBL157	**121103**	5A	.09	.91	1.34	.53	16.05
18.75	18.00	18.40	BK190QT / MBL187	**121009**	5A	.09	.91	1.34	.53	12.45

P.D. for "A (4L)" Belts = D.D. + .35" = O.D. -.40"
P.D. for "B (5L)" is same as O.D

NOTE: See Bushing section for bores/part numbers of QT Bushings used with these Sheaves

2BK (A & B V-BELTS)
2 GROOVE

O.D.	Datum Dia.		SHV	P/N	Type	Dimensions				Approx
	A	B	NO			E	F	L	M	Wgt
3.35	2.60	3.00	2BK32QT / 22MBL33	**121105**	2B	1.38	1.75	1.34	.97	2.35
3.55	2.80	3.20	2BK34QT / 2MBL35	**121106**	2B	1.38	1.75	1.34	.97	2.55
3.75	3.00	3.40	2BK36QT / 2MBL37	**121107**	2B	1.38	1.75	1.34	.97	3.00
3.95	3.20	3.60	2BK40QT / 2MBL39	**121108**	2B	.94	1.75	1.34	.53	2.80
4.25	3.50	3.90	2BK45QT / 2MBL42	**121109**	2B	.94	1.75	1.34	.53	3.25
4.45	3.70	4.10	2BK47QT / 2MBL44	**121110**	2B	.94	1.75	1.34	.53	3.35
4.75	4.00	4.40	2BK50QT / 2MBL47	**121111**	2B	.09	1.75	1.34	.31	3.85
4.95	4.20	4.60	2BK52QT / 2MBL49	**121112**	4W	.09	1.75	1.34	.31	4.00
5.25	4.50	4.90	2BK55QT / 2MBL52	**121113**	4W	.09	1.75	1.34	.31	4.40
5.45	4.70	5.10	2BK57QT / 2MBL54	**121114**	4W	.09	1.75	1.34	.31	4.95
5.75	5.00	5.40	2BK60QT / 2MBL57	**121115**	4W	.09	1.75	1.34	.31	5.30
5.95	5.20	5.60	2BK62QT / 2MBL59	**121116**	4W	.09	1.75	1.34	.31	5.80
6.25	5.50	5.90	2BK65QT / 2MBL62	**121117**	4W	.06	1.75	1.34	.34	5.40
6.45	5.70	6.10	2BK67QT / 2MBL64	**121118**	6A	.06	1.75	1.34	.34	5.85
6.75	6.00	6.40	2BK70QT / 2MBL67	**121119**	6A	.06	1.75	1.34	.34	5.55
6.95	6.20	6.60	2BK72QT / 2MBL69		6A	.06	1.75	1.34	.34	6.65
7.75	7.00	7.40	2BK80QT / 2MBL77	**121120**	6A	.06	1.75	1.34	.34	6.85
8.75	8.00	8.40	2BK90QT / 2MBL87	**121121**	6A	.06	1.75	1.34	.34	9.65
9.75	9.00	9.40	2BK100QT / 2MBL97	**121122**	6A	.06	1.75	1.34	.34	9.20
10.75	10.00	10.40	2BK110QT / 2MBL107	**121123**	6A	.06	1.75	1.34	.34	12.80
11.75	11.00	11.40	2BK120QT / 2MBL117	**121124**	6A	.06	1.75	1.34	.34	14.65
12.75	12.00	12.40	2BK130QT / 2MBL127	**121125**	6A	.06	1.75	1.34	.34	14.15
13.75	13.00	13.40	2BK140QT / 2MBL137	**121126**	6A	.06	1.75	1.34	.34	14.95
15.75	15.00	15.40	2BK160QT / 2MBL157	**121127**	6A	.06	1.75	1.34	.34	18.70
18.75	18.00	18.40	2BK190QT / 2MBL187	**121016**	6A	.06	1.75	1.34	.34	24.20

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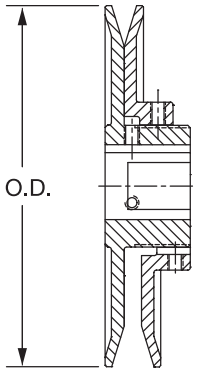
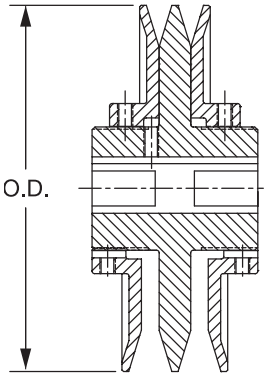
Variable Pitch Sheaves



ONE GROOVE

SHV NO.	O.D.	Overall Length	WT LBS	Stock Bores									MAX BORE
				1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-5/8	
1VP25	2.58	1.59	0.7	**127400**									0.75
1VP30	2.87	1.66	1.1	**121203**	**121207**	**127401**							0.75
1VP34	3.15	1.88	1.4	**121208**	**121209**	**121210**	**121211**						1.13
1VP40	3.75	1.88	1.9	**121212**	**121213**	**121214**	**121215**						1.13
1VP44	4.15	1.88	2.4	**121216**	**121217**	**121218**	**121219**	**121220**	**121221**				1.13
1VP50	4.75	1.88	3.6	**121222**	**121223**	**121224**	**121225**	**121226**	**121227**				1.13
1VP56	5.35	1.88	4.4	**121228**	**121229**	**121230**	**121231**	**121232**	**121233**				1.13
1VP60	6.00	1.66	6.5			**127402**	**127403**		**127404**				1.63
1VP62	5.95	1.91	6.7		**127405**	**121234**	**121235**	**121236**	**121237**	**121239**	**121240**		1.63
1VP65	6.50	1.66	6.8			**127406**	**127407**		**127441**				1.63
1VP68	6.55	1.91	7.3		**127408**	**121241**	**121242**	**121243**	**121244**	**121246**	**121247**		1.63
1VP71	7.10	1.66	8.5			**127409**	**127410**		**127411**				1.63
1VP75	7.50	1.66	9.2			**121248**	**121249**		**121251**				1.63



TWO GROOVE

SHV NO.	O.D.	Overall Length	WT LBS	Stock Bores									MAX BORE
				1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-5/8	
2VP36	3.35	3.00	3.4	**127412**	**127413**	**127414**	**127415**	**127416**					1.13
2VP42	3.95	3.00	4.4		**127417**	**127418**	**127419**	**127420**	**127421**				1.13
2VP50	4.75	3.00	6.3		**121266**	**121267**	**121268**	**121269**	**121270**				1.13
2VP56	5.35	3.00	7.8		**121271**	**121272**	**121273**	**121274**	**121275**				1.63
2VP60	6.00	3.25	10.6			**127431**	**127432**		**127434**		**127435**	**127444**	1.63
2VP62	5.95	3.00	11.0			**121276**	**121277**	**121278**	**121279**	**127422**	**121295**		1.63
2VP65	6.50	3.25	12.3			**127423**	**127424**		**127425**		**127426**	**127445**	1.63
2VP68	6.55	3.00	12.7				**121281**	**121282**	**121283**	**121285**	**121286**		1.63
2VP71	7.10	3.25	14.6			**127427**	**127428**		**127429**		**127430**	**127446**	1.63
2VP75	7.50	3.25	16.5			**121287**	**121288**		**121290**		**121293**	**127447**	1.63

Bore	Keyseat
1/2	None
5/8 to 7/8	3/16 x 3/32
15/16 to 1-1/4	1/4 x 1/8
1-5/16 - 1-3/8	5/16 x 5/32

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SELECTION

FHP Fixed Speed Drives

PROCEDURE

1. Calculate the Drive Ratio: DriveR RPM divided by DriveN RPM.

2. Calculate the Design Horsepower: Multiply motor HP by the "combined Correction Factor" listed below. If the exact type of machine is not listed, use the one that most nearly matches the application.

3. Select DriveR Sheave: In the HP Rating Tables, scan the RPM column for the HP rating that is equal to or greater than the Design HP calculated in Step 2. The DriveR sheave size is listed in the left-hand column. Normally the smallest diameter sheave alternative that covers the Design HP will result in the most economical drive.

4. Select the DriveN Sheave: Refer to the appropriate "Ratio Table". Choose the DriveN Sheave at the intersection of the calculated ratio and the DriveR Sheave.

5. Select Belt Length: Add DriveR and DriveN sheave diameters. Locate this number on the top row of the Center Distance Table. Trace down to the desired center distance in this column. The appropriate belt length will be listed in the left hand column. Belt length is indicated by the belt nomenclature: e.g., 4L350 is 35.0" long, 5L530 is 53.0" long, B36 is 36" long, etc.

NOTE: This procedure will provide approximate center distance. For more accurate results, refer to the "Non-Standard Drive Selection Procedure" for S-L Classic V-Drives.

6. Two Belt Drives: If the Design Horsepower is greater than the belt listed belt rating, divide the DHP by two, and proceed as though it were a single belt drive. CAUTION: FHP belts are not matched, and are therefore not normally recommended for two-belt drives. A, B, AX, or BX belts are matched and may be substituted. Also, these classical belts may have a significantly higher HP rating, which could allow for a more economical single belt drive.

Driven Machine	Speed Ratio	
	Under 1.5	1.5 and Over
Fans & Blowers	1.0	0.9
Domestic Laundry Mach.	1.1	1.0
Centrifugal Pumps	1.1	1.0
Generators	1.2	1.1
Rotary Compressors	1.3	1.1
Machine Tools	1.3	1.2
Reciprocating Pumps	1.4	1.3
Recip. Compressors	1.4	1.3
Woodworking Machy.	1.4	1.3

Horsepower Ratings

Small Shv.	Belt Horsepower Rating for RPM of Faster Shaft **											
O.D.	1160	1750	3450	1000	1500	2000	2500	3000	3500	4000	4500	5000
1.50	0.07	0.09	0.11	0.07	0.09	0.10	0.11	0.11	0.11	0.11	0.10	0.09
1.75	0.13	0.17	0.25	0.12	0.15	0.19	0.21	0.23	0.25	0.26	0.26	0.26
2.00	0.18	0.25	0.38	0.16	0.22	0.27	0.31	0.35	0.38	0.40	0.42	0.42
2.25	0.23	0.32	0.50	0.21	0.29	0.35	0.41	0.46	0.50	0.54	0.56	0.57
2.50	0.28	0.39	0.62	0.25	0.35	0.43	0.51	0.57	0.62	0.66	0.68	0.69
2.75	0.34	0.46	0.73	0.30	0.41	0.51	0.60	0.68	0.74	0.78	0.80	0.80
3.00	0.39	0.54	0.83	0.34	0.47	0.59	0.69	0.78	0.84	0.88	0.90	0.89

**Synchronous belt drives are suggested for lower RPM's.

(continued next page)

Horsepower Ratings

4L, A, AX Section Belts

Small Shv. O.D.	Belt Section	Belt Horsepower Rating for RPM of Faster Shaft **											
		1160	1750	3450	1000	1500	2000	2500	3000	3500	4000	4500	5000
2.00*	4L	0.12	0.12	0.02	0.11	0.12	0.11	0.09	0.06	0.02	-	-	-
	A	-	-	-	-	-	-	-	-	-	-	-	-
	AX	-	1.24	1.40	-	-	1.30	1.38	1.42	1.40	1.35	1.25	1.08
2.25*	4L	0.23	0.28	0.30	0.21	0.26	0.30	0.31	0.31	0.30	0.27	0.22	0.15
	A	-	1.17	1.60	-	-	1.26	1.40	1.52	1.60	1.64	1.65	1.62
	AX	-	1.58	1.98	-	1.23	1.68	1.83	1.94	1.98	1.98	1.92	1.82
2.50	4L	0.34	0.44	0.57	0.31	0.40	0.47	0.53	0.56	0.57	0.56	0.54	0.47
	A	-	1.55	2.26	-	1.40	1.60	1.91	2.11	2.31	2.42	2.50	2.48
	AX	-	2.05	2.73	-	1.87	2.19	2.52	2.69	2.74	2.83	2.85	2.83
2.75	4L	0.45	0.60	0.83	0.41	0.54	0.65	0.73	0.79	0.83	0.83	0.81	0.78
	A	-	1.92	2.61	-	1.74	2.21	2.39	2.68	2.89	3.03	3.12	3.18
	AX	-	2.50	3.53	-	2.31	2.72	3.13	3.40	3.57	3.70	3.84	3.91
3.00	4L	0.56	0.75	1.07	0.50	0.67	0.82	0.94	1.02	1.07	1.09	1.07	1.01
	A	1.68	2.23	3.34	-	1.97	2.42	2.78	3.09	3.41	3.52	3.64	3.67
	AX	2.22	2.90	4.14	-	2.63	3.14	3.58	3.89	4.01	4.40	4.59	4.71
3.25	4L	0.67	0.90	1.30	0.60	0.81	0.99	1.13	1.24	1.31	1.33	1.30	1.23
	A	1.97	2.61	3.79	-	2.37	2.85	3.24	3.57	3.78	3.95	4.08	4.11
	AX	2.45	3.25	4.81	-	2.88	3.57	3.94	4.41	4.78	5.12	5.31	5.47
3.5	4L	0.77	1.05	1.52	0.69	0.94	1.15	1.32	1.45	1.53	1.55	1.51	1.41
	A	2.32	3.13	4.66	2.07	2.81	3.42	3.93	4.35	4.65	4.84	4.90	4.83
	AX	2.79	3.68	5.68	2.51	3.31	4.01	4.61	5.19	5.64	6.08	6.37	6.54
3.75	4L	0.86	1.20	1.73	0.78	1.07	1.31	1.51	1.65	1.73	1.75	1.69	1.55
	A	2.63	3.58	5.35	-	3.17	3.90	4.51	4.98	5.31	5.56	5.67	5.63
	AX	3.05	4.06	6.43	-	3.66	4.44	5.20	5.87	6.41	6.87	7.09	7.40
4.00	4L	0.98	1.34	1.92	0.87	1.20	1.47	1.69	1.84	1.92	1.92	1.84	1.65
	A	2.94	4.01	6.02	2.62	3.58	4.40	4.10	5.64	6.04	6.29	6.37	6.28
	AX	3.34	4.46	7.14	3.00	3.95	4.93	5.78	6.52	7.13	7.64	7.98	8.19

5L, B, BX Section Belts

Small Shv. O.D.	Belt Section	Belt Horsepower Rating for RPM of Faster Shaft **											
		1160	1750	3450	1000	1500	2000	2500	3000	3500	4000	4500	5000
3.00*	5L	0.28	0.27	-	0.27	0.28	0.24	0.16	0.04	-	-	-	-
	B	1.35	1.58	1.28	-	1.51	1.62	1.61	1.50	1.27	0.95	0.45	-
	BX	2.90	3.72	5.16	-	3.38	4.02	4.51	4.90	5.15	5.31	5.33	5.25
3.25*	5L	0.46	0.52	0.28	0.43	0.50	1.52	0.49	0.41	0.26	0.04	-	-
	B	1.72	2.03	2.00	-	1.89	2.18	2.22	2.17	1.98	1.75	1.25	0.75
	BX	3.29	4.20	5.92	-	3.81	4.50	5.15	5.59	5.85	6.12	6.18	6.15
3.50	5L	0.63	0.77	0.65	0.58	0.72	0.80	0.82	0.76	0.63	0.42	0.12	-
	B	2.20	2.67	3.05	1.80	2.45	2.80	3.05	3.12	3.14	3.84	2.36	1.82
	BX	3.76	4.77	6.87	2.87	4.37	5.20	5.91	6.51	6.92	7.15	7.26	7.16
3.75	5L	0.81	1.01	1.00	0.74	0.94	1.07	1.13	1.10	0.99	0.77	0.44	-
	B	2.61	3.31	4.01	2.33	2.98	3.52	3.87	4.02	4.03	3.81	3.38	2.75
	BX	4.22	5.45	7.85	3.70	4.83	5.87	6.60	7.40	7.92	8.12	8.35	8.20
4.00	5L	0.98	1.25	1.33	0.89	1.15	1.33	1.43	1.43	1.31	1.08	0.71	0.19
	B	3.00	3.77	4.70	2.66	3.40	4.04	4.45	4.68	4.70	4.43	4.03	3.39
	BX	4.58	5.93	8.57	4.02	5.32	6.46	7.35	8.07	8.53	8.88	8.97	8.92
4.25	5L	1.15	1.49	1.63	1.04	1.36	1.59	1.72	1.73	1.62	1.35	0.93	0.33
	B	3.35	4.19	5.32	2.95	3.81	4.53	5.05	5.31	5.35	5.18	5.65	3.95
	BX	4.98	6.39	9.23	4.42	5.74	7.06	7.91	8.71	9.19	9.61	9.60	9.58
4.50	5L	1.32	1.72	1.91	1.19	1.57	1.84	2.00	2.02	1.89	1.59	1.10	0.39
	B	3.81	4.87	5.31	3.81	4.41	5.26	5.73	6.12	6.23	5.98	5.41	4.52
	BX	5.37	6.99	10.12	4.71	6.28	7.61	8.66	9.52	10.12	10.52	10.62	10.45
4.75	5L	1.49	1.95	2.16	1.34	1.77	2.09	2.27	2.29	2.14	1.79	1.21	0.38
	B	4.38	5.61	7.00	3.82	5.14	6.01	6.70	7.01	7.00	6.71	6.04	5.04
	BX	5.80	7.54	12.02	5.06	6.82	8.20	9.51	10.50	11.41	11.75	11.90	11.46
5.00	5L	1.66	2.17	2.39	1.49	1.98	2.33	2.53	2.55	2.36	1.94	1.26	0.28
	B	4.75	6.16	7.69	4.21	5.57	6.65	7.35	7.74	7.69	7.25	6.54	-
	BX	6.15	8.08	12.28	5.38	7.29	8.90	10.59	11.47	12.30	12.73	12.76	-

NOTES: * These sizes are below min. recommended diameter

** Synchronous belt drives are suggested for lower RPM's.

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SELECTION

Ratio Table

AK, 2AK, AKQT, 2AKQT Sheave SERIES																		
Driven Shv.	Driver Sheave																	
	AK20	AK21	AK22	AK23	AK25	AK26	AK27	AK28	AK30	AK32	AK34	AK39	AK41	AK44	AK46	AK49	AK51	AK54
AK20	1.00	0.95	0.90	0.86	0.78	0.75	0.72	0.69	0.64	0.60	0.56	0.51	0.49	0.45	0.43	0.40	0.38	0.36
AK21	1.06	1.00	0.95	0.90	0.83	0.79	0.76	0.73	0.68	0.63	0.59	0.54	0.51	0.48	0.45	0.42	0.40	0.38
AK22	1.11	1.05	1.00	0.95	0.87	0.83	0.80	0.77	0.71	0.67	0.63	0.57	0.54	0.50	0.48	0.44	0.43	0.40
AK23	1.17	1.11	1.05	1.00	0.91	0.88	0.84	0.81	0.75	0.70	0.66	0.60	0.57	0.53	0.50	0.47	0.45	0.42
AK25	1.28	1.21	1.15	1.10	1.00	0.96	0.92	0.88	0.82	0.77	0.72	0.66	0.62	0.58	0.55	0.51	0.49	0.46
AK26	1.33	1.26	1.20	1.14	1.04	1.00	0.96	0.92	0.86	0.80	0.75	0.69	0.65	0.60	0.57	0.53	0.51	0.48
AK27	1.39	1.32	1.25	1.19	1.09	1.04	1.00	0.96	0.89	0.83	0.78	0.71	0.68	0.63	0.60	0.56	0.53	0.50
AK28	1.44	1.37	1.30	1.24	1.13	1.08	1.04	1.00	0.93	0.87	0.81	0.74	0.70	0.65	0.62	0.58	0.55	0.52
AK30	1.56	1.47	1.40	1.33	1.22	1.17	1.12	1.08	1.00	0.93	0.88	0.80	0.76	0.70	0.67	0.62	0.60	0.56
AK32	1.67	1.58	1.50	1.43	1.30	1.25	1.20	1.15	1.07	1.00	0.94	0.86	0.81	0.75	0.71	0.67	0.64	0.60
AK34	1.78	1.68	1.60	1.52	1.39	1.33	1.28	1.23	1.14	1.07	1.00	0.91	0.86	0.80	0.76	0.71	0.68	0.64
AK39	1.94	1.84	1.75	1.67	1.52	1.46	1.40	1.35	1.25	1.17	1.09	1.00	0.95	0.88	0.83	0.78	0.74	0.70
AK41	2.06	1.95	1.85	1.76	1.61	1.54	1.48	1.42	1.32	1.23	1.16	1.06	1.00	0.93	0.88	0.82	0.79	0.74
AK44	2.22	2.11	2.00	1.90	1.74	1.67	1.60	1.54	1.43	1.33	1.25	1.14	1.08	1.00	0.95	0.89	0.85	0.80
AK46	2.33	2.21	2.10	2.00	1.83	1.75	1.68	1.62	1.50	1.40	1.31	1.20	1.14	1.05	1.00	0.93	0.89	0.84
AK49	2.50	2.37	2.25	2.14	1.96	1.88	1.80	1.73	1.61	1.50	1.41	1.29	1.22	1.13	1.07	1.00	0.96	0.90
AK51	2.61	2.47	2.35	2.24	2.04	1.96	1.88	1.81	1.68	1.57	1.47	1.34	1.27	1.18	1.12	1.04	1.00	0.94
AK54	2.72	2.58	2.45	2.33	2.13	2.04	1.96	1.88	1.75	1.63	1.53	1.40	1.32	1.23	1.17	1.09	1.04	0.98
AK56	2.89	2.74	2.60	2.48	2.26	2.17	2.08	2.00	1.86	1.73	1.63	1.49	1.41	1.30	1.24	1.16	1.11	1.04
AK59	3.06	2.89	2.75	2.62	2.39	2.29	2.20	2.12	1.96	1.83	1.72	1.57	1.49	1.38	1.31	1.22	1.17	1.10
AK61	3.17	3.00	2.85	2.71	2.48	2.37	2.28	2.19	2.04	1.90	1.78	1.63	1.54	1.43	1.36	1.27	1.21	1.14
AK64	3.33	3.16	3.00	2.86	2.61	2.50	2.40	2.31	2.14	2.00	1.88	1.71	1.62	1.50	1.43	1.33	1.28	1.20
AK66	3.44	3.26	3.10	2.95	2.70	2.58	2.48	2.38	2.21	2.07	1.94	1.77	1.68	1.55	1.48	1.38	1.32	1.24
AK69	3.61	3.42	3.25	3.10	2.83	2.71	2.60	2.50	2.32	2.17	2.03	1.86	1.76	1.63	1.55	1.44	1.38	1.30
AK71	3.72	3.53	3.35	3.19	2.91	2.79	2.68	2.58	2.39	2.23	2.09	1.91	1.81	1.68	1.60	1.49	1.43	1.34
AK74	3.89	3.68	3.50	3.33	3.04	2.92	2.80	2.69	2.50	2.33	2.19	2.00	1.89	1.75	1.67	1.56	1.49	1.40
AK79	4.17	3.95	3.75	3.57	3.26	3.13	3.00	2.88	2.68	2.50	2.34	2.14	2.03	1.88	1.79	1.67	1.60	1.50
AK84	4.44	4.21	4.00	3.81	3.48	3.33	3.20	3.08	2.86	2.67	2.50	2.29	2.16	2.00	1.90	1.78	1.70	1.60
AK89	4.72	4.47	4.25	4.05	3.70	3.54	3.40	3.27	3.04	2.83	2.66	2.43	2.30	2.13	2.02	1.89	1.81	1.70
AK94	5.00	4.74	4.50	4.29	3.91	3.75	3.60	3.46	3.21	3.00	2.81	2.57	2.43	2.25	2.14	2.00	1.91	1.80
AK99	5.28	5.00	4.75	4.52	4.13	3.96	3.80	3.65	3.39	3.17	2.97	2.71	2.57	2.38	2.26	2.11	2.02	1.90
AK104	5.56	5.26	5.00	4.76	4.35	4.17	4.00	3.85	3.57	3.33	3.13	2.86	2.70	2.50	2.38	2.22	2.13	2.00
AK109	5.89	5.58	5.30	5.05	4.61	4.42	4.24	4.08	3.79	3.53	3.31	3.03	2.86	2.65	2.52	2.36	2.26	2.12
AK114	6.11	5.79	5.50	5.24	4.78	4.58	4.40	4.23	3.93	3.67	3.44	3.14	2.97	2.75	2.62	2.44	2.34	2.20
AK124	6.67	6.32	6.00	5.71	5.22	5.00	4.80	4.62	4.29	4.00	3.75	3.43	3.24	3.00	2.86	2.67	2.55	2.40
AK134	7.22	6.84	6.50	6.19	5.65	5.42	5.20	5.00	4.64	4.33	4.06	3.71	3.51	3.25	3.10	2.89	2.77	2.60
AK144	7.78	7.37	7.00	6.67	6.09	5.83	5.60	5.38	5.00	4.67	4.38	4.00	3.78	3.50	3.33	3.11	2.98	2.80
AK154	8.33	7.89	7.50	7.14	6.52	6.25	6.00	5.77	5.36	5.00	4.69	4.29	4.05	3.75	3.57	3.33	3.19	3.00
AK184	10.0	9.47	9.00	8.57	7.83	7.50	7.20	6.92	6.43	6.00	5.63	5.14	4.86	4.50	4.29	4.00	3.83	3.60

Ratio Table

BK, 2BK, BKQT, 2BKQT SERIES																					
Driven Shv.	Driver Sheave																				
	BK23	BK24	BK25	BK26	BK27	BK28	BK30	BK31	BK32	BK34	BK36	BK40	BK45	BK47	BK50	BK52	BK55	BK57	BK60	BK62	BK65
BK23	1.00	0.95	0.91	0.88	0.84	0.81	0.75	0.72	0.70	0.66	0.62	0.58	0.54	0.51	0.48	0.46	0.43	0.41	0.39	0.38	0.36
BK24	1.05	1.00	0.96	0.92	0.88	0.85	0.79	0.76	0.73	0.69	0.65	0.61	0.56	0.54	0.50	0.48	0.45	0.43	0.41	0.39	0.37
BK25	1.10	1.05	1.00	0.96	0.92	0.88	0.82	0.79	0.77	0.72	0.68	0.64	0.59	0.56	0.52	0.50	0.47	0.45	0.43	0.41	0.39
BK26	1.14	1.09	1.04	1.00	0.96	0.92	0.86	0.83	0.80	0.75	0.71	0.67	0.62	0.59	0.55	0.52	0.49	0.47	0.44	0.43	0.41
BK27	1.19	1.14	1.09	1.04	1.00	0.96	0.89	0.86	0.83	0.78	0.74	0.69	0.64	0.61	0.57	0.54	0.51	0.49	0.46	0.45	0.42
BK28	1.24	1.18	1.13	1.08	1.04	1.00	0.93	0.90	0.87	0.81	0.76	0.72	0.67	0.63	0.59	0.57	0.53	0.51	0.48	0.46	0.44
BK30	1.33	1.27	1.22	1.17	1.12	1.08	1.00	0.97	0.93	0.88	0.82	0.78	0.72	0.68	0.64	0.61	0.57	0.55	0.52	0.50	0.47
BK31	1.38	1.32	1.26	1.21	1.16	1.12	1.04	1.00	0.97	0.91	0.85	0.81	0.74	0.71	0.66	0.63	0.59	0.57	0.54	0.52	0.49
BK32	1.43	1.36	1.30	1.25	1.20	1.15	1.07	1.03	1.00	0.94	0.88	0.83	0.77	0.73	0.68	0.65	0.61	0.59	0.56	0.54	0.51
BK34	1.52	1.45	1.39	1.33	1.28	1.23	1.14	1.10	1.07	1.00	0.94	0.89	0.82	0.78	0.73	0.70	0.65	0.63	0.59	0.57	0.54
BK36	1.62	1.55	1.48	1.42	1.36	1.31	1.21	1.17	1.13	1.06	1.00	0.94	0.87	0.83	0.77	0.74	0.69	0.67	0.63	0.61	0.58
BK40	1.71	1.64	1.57	1.50	1.44	1.38	1.29	1.24	1.20	1.13	1.06	1.00	0.92	0.88	0.82	0.78	0.73	0.71	0.67	0.64	0.61
BK45	1.86	1.77	1.70	1.63	1.56	1.50	1.39	1.34	1.30	1.22	1.15	1.08	1.00	0.95	0.89	0.85	0.80	0.76	0.72	0.70	0.66
BK47	1.95	1.86	1.78	1.71	1.64	1.58	1.46	1.41	1.37	1.28	1.21	1.14	1.05	1.00	0.93	0.89	0.84	0.80	0.76	0.73	0.69
BK50	2.10	2.00	1.91	1.83	1.76	1.69	1.57	1.52	1.47	1.38	1.29	1.22	1.13	1.07	1.00	0.96	0.90	0.86	0.81	0.79	0.75
BK52	2.19	2.09	2.00	1.92	1.84	1.77	1.64	1.59	1.53	1.44	1.35	1.28	1.18	1.12	1.05	1.00	0.94	0.90	0.85	0.82	0.78
BK55	2.33	2.23	2.13	2.04	1.96	1.88	1.75	1.69	1.63	1.53	1.44	1.36	1.26	1.20	1.11	1.07	1.00	0.96	0.91	0.88	0.83
BK57	2.43	2.32	2.22	2.12	2.04	1.96	1.82	1.76	1.70	1.59	1.50	1.42	1.31	1.24	1.16	1.11	1.04	1.00	0.94	0.91	0.86
BK60	2.57	2.45	2.35	2.25	2.16	2.08	1.93	1.86	1.80	1.69	1.59	1.50	1.38	1.32	1.23	1.17	1.10	1.06	1.00	0.96	0.92
BK62	2.67	2.55	2.43	2.33	2.24	2.15	2.00	1.93	1.87	1.75	1.65	1.56	1.44	1.37	1.27	1.22	1.14	1.10	1.04	1.00	0.95
BK65	2.81	2.68	2.57	2.46	2.36	2.27	2.11	2.03	1.97	1.84	1.74	1.64	1.51	1.44	1.34	1.28	1.20	1.16	1.09	1.05	1.00
BK67	2.90	2.77	2.65	2.54	2.44	2.35	2.18	2.10	2.03	1.91	1.79	1.69	1.56	1.49	1.39	1.33	1.24	1.20	1.13	1.09	1.03
BK70	3.05	2.91	2.78	2.67	2.56	2.46	2.29	2.21	2.13	2.00	1.88	1.78	1.64	1.56	1.45	1.39	1.31	1.25	1.19	1.14	1.08
BK72	3.14	3.00	2.87	2.75	2.64	2.54	2.36	2.28	2.20	2.06	1.94	1.83	1.69	1.61	1.50	1.43	1.35	1.29	1.22	1.18	1.12
BK75	3.29	3.14	3.00	2.88	2.76	2.65	2.46	2.38	2.30	2.16	2.03	1.92	1.77	1.68	1.57	1.50	1.41	1.35	1.28	1.23	1.17
BK77	3.38	3.23	3.09	2.96	2.84	2.73	2.54	2.45	2.37	2.22	2.09	1.97	1.82	1.73	1.61	1.54	1.45	1.39	1.31	1.27	1.20
BK80	3.52	3.36	3.22	3.08	2.96	2.85	2.64	2.55	2.47	2.31	2.18	2.06	1.90	1.80	1.68	1.61	1.51	1.45	1.37	1.32	1.25
BK85	3.76	3.59	3.43	3.29	3.16	3.04	2.82	2.72	2.63	2.47	2.32	2.19	2.03	1.93	1.80	1.72	1.61	1.55	1.46	1.41	1.34
BK90	4.00	3.82	3.65	3.50	3.36	3.23	3.00	2.90	2.80	2.63	2.47	2.33	2.15	2.05	1.91	1.83	1.71	1.65	1.56	1.50	1.42
BK95	4.24	4.05	3.87	3.71	3.56	3.42	3.18	3.07	2.97	2.78	2.62	2.47	2.28	2.17	2.02	1.93	1.82	1.75	1.65	1.59	1.51
BK100	4.48	4.27	4.09	3.92	3.76	3.62	3.36	3.24	3.13	2.94	2.76	2.61	2.41	2.29	2.14	2.04	1.92	1.84	1.74	1.68	1.59
BK105	4.71	4.50	4.30	4.12	3.96	3.81	3.54	3.41	3.30	3.09	2.91	2.75	2.54	2.41	2.25	2.15	2.02	1.94	1.83	1.77	1.68
BK110	4.95	4.73	4.52	4.33	4.16	4.00	3.71	3.59	3.47	3.25	3.06	2.89	2.67	2.54	2.36	2.26	2.12	2.04	1.93	1.86	1.76
BK115	5.19	4.95	4.74	4.54	4.36	4.19	3.89	3.76	3.63	3.41	3.21	3.03	2.79	2.66	2.48	2.37	2.22	2.14	2.02	1.95	1.85
BK120	5.43	5.18	4.96	4.75	4.56	4.38	4.07	3.93	3.80	3.56	3.35	3.17	2.92	2.78	2.59	2.48	2.33	2.24	2.11	2.04	1.93
BK130	5.90	5.64	5.39	5.17	4.96	4.77	4.43	4.28	4.13	3.88	3.65	3.44	3.18	3.02	2.82	2.70	2.53	2.43	2.30	2.21	2.10
BK140	6.38	6.09	5.83	5.58	5.36	5.15	4.79	4.62	4.47	4.19	3.94	3.72	3.44	3.27	3.05	2.91	2.73	2.63	2.48	2.39	2.27
BK160	7.33	7.00	6.70	6.42	6.16	5.92	5.50	5.31	5.13	4.81	4.53	4.28	3.95	3.76	3.50	3.35	3.14	3.02	2.85	2.75	2.61
BK190	8.76	8.36	8.00	7.67	7.36	7.08	6.57	6.34	6.13	5.75	5.41	5.11	4.72	4.49	4.18	4.00	3.76	3.61	3.41	3.29	3.12

SELECTION

Center Distance/Belt Length

This table provides approximate center distance for the majority of V-Drives up to 3:1 ratio.

Data is useful for higher ratios, but if more accurate results are required, use the belt length formula found in the "Special Drives" selection section for S-L Classic drives.

Belt	Sum of Both V-Belt Sheave Diameters																	
Lgth.	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
16	4.9	4.1																
18	5.9	5.1																
20	6.9	6.1	5.2															
22	7.9	7.1	6.2															
24	8.9	8.1	7.2	6.3														
26	9.9	9.1	8.2	7.3	6.5													
28	10.9	10.1	9.2	8.4	7.6	6.6												
30	11.9	11.1	10.2	9.4	8.6	7.7												
32	12.9	12.1	11.2	10.4	9.6	8.7	8											
34	13.9	13.1	12.2	11.4	10.6	9.7	9											
36	14.9	14.1	13.2	12.4	11.6	10.7	10	9										
38	15.9	15.1	14.2	13.4	12.6	11.8	11	10	9.1									
40	16.9	16.1	15.3	14.4	13.6	12.8	12	11.1	10.1									
42	17.9	17.1	16.3	15.4	14.6	13.8	13.1	12.1	11.2	10.2								
44	18.9	18.1	17.3	16.4	15.6	14.8	14.1	13.1	12.2	11.2								
46	19.9	19.1	18.3	17.4	16.6	15.8	15.1	14.1	13.2	12.3	10.9							
48	20.9	20.1	19.3	18.4	17.7	16.8	16.1	15.1	14.3	13.3	12	11.3						
50	21.9	21.1	20.3	19.4	18.7	17.8	17.1	16.2	15.3	14.4	13.1	12.4	11.7					
52	22.9	22.1	21.3	20.4	19.7	18.8	18.1	17.2	16.3	15.4	14.1	13.5	12.8					
54	23.9	23.1	22.3	21.4	20.7	19.8	19.1	18.2	17.3	16.4	15.2	14.5	13.8	13.2				
56	24.9	24.1	23.3	22.4	21.7	20.8	20.1	19.2	18.3	17.4	16.2	15.6	14.9	14.2				
58	25.9	25.1	24.3	23.4	22.7	21.8	21.1	20.2	19.3	18.5	17.3	16.6	15.9	15.2	13.5			
60	26.9	26.1	25.3	24.5	23.7	22.8	22.1	21.2	20.4	19.5	18.3	17.6	17	16.3	14.6	14		
62	27.9	27.1	26.3	25.5	24.7	23.8	23.1	22.2	21.4	20.5	19.4	18.7	18	17.3	15.7	15.1		
64	28.9	28.1	27.3	26.5	25.7	24.8	24.1	23.2	22.4	21.5	20.4	19.7	19	18.3	16.8	16.1	15.5	
66	29.9	29.1	28.3	27.5	26.7	25.9	25.1	24.2	23.4	22.5	21.4	20.7	20	19.3	17.8	17.2	16.5	14.9
68	30.9	30.1	29.3	28.5	27.7	26.9	26.1	25.2	24.4	23.5	22.4	21.7	21	20.3	18.9	18.2	17.6	16
70	31.9	31.1	30.3	29.5	28.7	27.9	27.1	26.2	25.4	24.5	23.5	22.8	22.1	21.4	20	19.3	18.6	17.1
72	32.9	32.1	31.3	30.5	29.7	28.9	28.1	27.2	26.4	25.5	24.5	23.8	23.1	22.4	21	20.3	19.6	18.2
74	33.9	33.1	32.3	31.5	30.7	29.9	29.1	28.2	27.4	26.5	25.5	24.8	24.1	23.4	22	21.3	20.6	19.2
76	34.9	34.1	33.3	32.5	31.7	30.9	30.1	29.2	28.4	27.6	26.5	25.8	25.1	24.4	23.1	22.4	21.7	20.3
78	35.9	35.1	34.2	33.5	32.7	31.9	31.1	30.2	29.4	28.6	27.5	26.8	26.1	25.4	24.1	23.4	22.7	21.3
80	36.9	36.1	35.3	34.5	33.7	32.9	32.1	31.3	30.4	29.6	28.6	27.9	27.1	26.4	25.1	24.5	23.8	22.4
82	37.6	36.7	35.9	35.1	34.3	33.5	32.7	31.9	31	30.2	29.2	28.5	27.8	27	25.8	25.1	24.4	23.1
84	38.9	38.1	37.3	36.5	35.7	34.9	34.1	33.3	32.4	31.6	30.6	29.9	29.2	28.4	27.2	26.5	25.8	24.5
86	39.6	38.7	37.9	37.1	36.3	35.5	34.7	33.9	33	32.2	31.2	30.5	29.8	29	27.8	27.1	26.4	25.2
88	40.9	40.1	39.3	38.5	37.7	36.9	36.1	35.3	34.4	33.6	32.6	31.9	31.2	30.4	29.2	28.5	27.8	26.6
90	41.9	41.1	40.3	39.5	38.7	37.9	37.1	36.3	35.5	34.6	33.6	32.9	32.2	31.4	30.2	29.5	28.8	27.6
92	42.9	42.1	41.3	40.5	39.7	38.9	38.1	37.3	36.5	35.6	34.6	33.9	33.2	32.5	31.3	30.6	29.9	28.7
94	43.9	43.1	42.3	41.5	40.7	39.9	39.1	38.3	37.5	36.6	35.6	34.9	34.2	33.5	32.3	31.6	30.9	29.7
96	44.9	44.1	43.3	42.5	41.7	40.9	40.1	39.3	38.5	37.6	36.7	35.9	35.2	34.5	33.3	32.6	31.9	30.7
98	45.9	45.1	44.3	43.5	42.7	41.9	41.1	40.3	39.5	38.6	37.7	36.9	36.2	35.5	34.3	33.6	32.9	31.7
100	46.9	46.1	45.3	44.5	43.7	42.9	42.1	41.3	40.5	39.6	38.7	37.9	37.2	36.5	35.3	34.6	33.9	32.8

The centers shown in this shaded area are below the recommended minimum.

DODGE

Variable Pitch Selection Procedure
1750 RPM Motors, Fractional Thru 30 HP

PROCEDURE

1. Calculate design HP: Motor HP x Service Factor
2. Determine motor shaft size from NEMA B MOTOR chart.
3. Scan Tables 1 & 2 for VP sheave and belt profile combination that will accommodate motor shaft size and design HP.
4. Go to associated VP SHEAVE-BELT table. Trace down the column headed by the selected VP Sheave size until the desired driven speed range is reached. The Driven Sheave size will be listed in the "Driven Sheave" column.
5. Calculate belt length as follows:

   If CD/D is greater than 1.5:

   FORMULA A: L=2CD + 1.57(D+d)

   CD = Center Distance
   D = Large Sheave diameter
   d = small sheave diameter

   If CD/D is less than 1.5:
   FORMULA B:

$$L = 2\,CD + 1.57\,(D + d) + \frac{(D - d)^2}{4\,CD}$$

NOTE: "L" Belt length is Outside Length for FHP belts, Pitch Length for Classical Belts (A, B, AX, BX)

EXAMPLE

A fan is to be driven at a speed in the range of 1400 to 1200 RPM by a 10 HP, 1750 RPM motor. Center Distance is 26". Desired Service Factor is 1.3.

SOLUTION

1. Calculate Design HP: 10 x 1.3 = 13 DHP.
2. Check NEMA B Motor shaft size: 1-3/8", from Table 3.
3. Scan Tables 1 & 2 for VP sheave size that covers 13 DHP and has 1-3/8" shaft capacity. Choose 2VP65 with AX belt (Other larger sizes are also suitable).
4. Check Selection Table for 2-Groove A-Section Belts. Locate column headed by "2VP65". Trace down to the "1425/1175" RPM range, which covers the 1400/1200 requirement. Trace over to the left hand column for the Driven Sheave size: Find Driven Sheave "2AK74".
5. Calculate belt length: Note that CD/D is 26/7.0 = 3.5. This is greater than 1.5, so "Formula A" can be used. L=2 x 26 + 1.57(7.0+5.7), L = 72.0, Use Belt Size AX71 which has a pitch length of 72.3".

NOTE: Calculated center distance is for maximum driven RPM. Center distance at minimum RPM will be approx. 1" longer.

Variable Pitch Sheave Selection Tables

One Groove VP Sheaves — **Table 1.**

Size	Max./Min. Pitch Dia.			Max. Bore	O.D.	Basic HP Rating At 1750 RPM *					
	4L/A	5L/B	5V			4L	A	AX	5L	B	BX
1VP25	--	--	--	1/2	2.32	...	...	...	...	...	...
1VP30	--	--	--	3/4	2.87	...	...	...	...	...	...
1VP34	2.9/1.9	3.2/2.4	--	7/8	3.15	0.75	1.50	2.00	0.63	0.34	3.45
1VP40	3.4/2.4	3.7/2.7	--	7/8	3.75	1.00	2.41	2.84	1.12	1.70	3.87
1VP44	3.8/2.9	4.1/3.1	--	1-1/8	4.15	1.30	3.13	3.57	1.48	2.87	4.66
1VP50	4.4/3.4	4.7/3.7	--	1-1/8	4.75	1.50	4.20	4.63	1.95	4.50	6.50
1VP56	5.0/4.0	5.3/4.3	--	1-1/8	5.35	...	5.20	5.67	2.20	5.15	8.10
1VP60	5.2/4.2	5.5/4.3	--	1-1/8	6.00	...	5.53	6.01	2.60	6.68	8.67
1VP62	5.6/4.6	5.9/4.9	6.3/5.3	1-1/4	5.95	...	6.18	6.68	3.00	7.70	9.80
1VP65	5.7/4.7	6.0/4.8	6.4/5.2	1-1/8	6.50	...	6.40	6.85	...	7.97	10.00
1VP68	6.2/5.2	6.5/5.5	6.9/5.9	1-3/8	6.55	...	7.10	7.60	...	9.30	11.30
1VP71	6.3/5.3	6.6/5.4	7.0/5.8	1-1/8	7.10	...	7.30	7.70	...	9.40	11.60
1VP75	6.7/5.7	7.0/5.8	7.4/6.2	1-1/8	7.50	...	8.00	8.50	...	10.40	12.60

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* For 3L Belts Only: 1VP25 2.2/1.4 P.D.
1VP30 2.7/1.8 P.D.

Ac Motors
NEMA B
Table 3.

1750RPM HP	Shaft Dia.
1/4, 1/3	...
1/2, 3/4	5/8
1, 1.5, 2	7/8
3, 5	1-1/8
7-1/2, 10	1-3/8
15, 20	1-5/8
25,30	1-7/8

Selection program available online at ptwizard.com

SELECTION

Variable Pitch Sheave Selection Tables

Two Groove VP Sheaves

Table 2

Size	Max./Min. Pitch Dia.			Max. Bore	O.D.	Two-Belt Basic HP Rating At 1750 RPM *						
	4L/A	5L/B	5V			4L	A	AX	5L	B	BX	5VX
2VP36	3.0/2.0	3.3/2.5	--	1	3.35	1.6	3.34	4.20	1.40	...	4.40	...
2VP42	3.6/2.6	3.9/2.9	--	1-1/8	3.95	2.4	5.54	6.42	2.60	2.98	6.34	...
2VP50	4.4/3.4	4.7/3.7	--	1-1/8	4.75	2.8	6.20	9.26	4.00	7.48	11.06	...
2VP56	5.0/4.0	5.3/4.3	--	1-1/8	5.35	...	10.40	11.34	4.40	9.40	11.76	...
2VP60	5.2/4.2	5.5/4.3	--	1-3/8	6.00	...	11.06	12.02	4.80	11.80	15.60	...
2VP62	5.6/4.6	5.9/4.9	6.3/5.3	1-3/8	5.95	...	12.36	13.36	6.00	13.90	17.82	34.00
2VP65	5.7/4.7	6.0/4.8	6.4/5.2	1-3/8	6.50	...	12.60	13.66	...	14.20	18.20	34.60
2VP68	6.2/5.2	6.5/5.5	6.9/5.9	1-3/8	6.55	...	14.20	15.20	...	17.00	21.00	38.00
2VP71	6.3/5.3	6.5/5.4	7.0/5.8	1-3/8	7.10	...	14.60	15.60	...	17.60	21.60	40.00
2VP75	6.7/5.7	7.0/5.8	7.4/6.2	1-3/8	7.50	...	15.80	17.00	...	19.00	23.80	44.00
2VP60A	5.2/4.2	5.5/4.3	--	1-5/8	6.00	...	11.06	12.02	4.80	11.80	15.60	...
2VP65A	5.7/4.7	6.0/4.8	6.4/5.2	1-5/8	6.50	...	12.60	13.66	...	14.20	18.20	34.60
2VP71A	6.3/5.3	6.5/5.4	7.0/5.8	1-5/8	7.10	...	14.60	15.60	...	17.60	21.60	40.00
2VP75A	6.7/5.7	7.0/5.8	7.4/6.2	1-5/8	7.50	...	15.80	17.00	...	19.00	23.80	44.00
2V56B70	6.7/5.7	7.0/5.8	7.4/6.2	1-7/8	7.50	...	15.80	17.00	...	19.00	23.80	44.00
2V68B80	7.7/6.7	7.7/6.8	8.4/7.2	1-7/8	8.50	...	18.00	18.80	...	23.40	28.20	52.00

* Rating is at Max. Pitch Dia. Apply Arc and Length correction factors for greater accuracy.

1VP Sheave Using A Or Ax Belt

Driven RPM For 1750 RPM Motor

Driven SHV.		1VP34		1VP40		1VP44		1VP50		1VP56		1VP60		1VP62		1VP65	
Size	P.D.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
AK20	1.80	2819	1847	3306	2333	3694	2722	4278	3306	4861	3889	--	--	--	--	--	--
AK21	1.90	2671	1750	3132	2211	3500	2579	4053	3132	4605	3684	4789	3868	--	--	--	--
AK22	2.00	2538	1663	2975	2100	3325	2450	3850	2975	4375	3500	4550	3675	4900	4025	4988	4113
AK23	2.10	2417	1583	2833	2000	3167	2333	3667	2833	4167	3333	4333	3500	4667	3833	4750	3917
AK25	2.30	2207	1446	2587	1826	2891	2130	3348	2587	3804	3043	3957	3196	4261	3500	4337	3576
AK26	2.40	2115	1385	2479	1750	2771	2042	3208	2479	3646	2917	3792	3062	4083	3354	4156	3427
AK27	2.50	2030	1330	2380	1680	2660	1960	3080	2380	3500	2800	3640	2940	3920	3220	3990	3290
AK28	2.60	1952	1279	2288	1615	2558	1885	2962	2288	3365	2692	3500	2827	3769	3096	3837	3163
AK30	2.80	1813	1188	2125	1500	2375	1750	2750	2125	3125	2500	3250	2625	3500	2875	3563	2938
AK32	3.00	1692	1108	1983	1400	2217	1633	2567	1983	2917	2333	3033	2450	3267	2683	3325	2742
AK34	3.20	1586	1039	1859	1313	2078	1531	2406	1859	2734	2188	2844	2297	3063	2516	3117	2570
AK39	3.50	1450	950	1700	1200	1900	1400	2200	1700	2500	2000	2600	2100	2800	2300	2850	2350
AK41	3.70	1372	899	1608	1135	1797	1324	2081	1608	2365	1892	2459	1986	2649	2176	2696	2223
AK44	4.00	1269	831	1488	1050	1663	1225	1925	1488	2188	1750	2275	1838	2450	2013	2494	2056
AK46	4.20	1208	792	1417	1000	1583	1167	1833	1417	2083	1667	2167	1750	2333	1917	2375	1958
AK49	4.50	1128	739	1322	933	1478	1089	1711	1322	1944	1556	2022	1633	2178	1789	2217	1828
AK51	4.70	1080	707	1266	894	1415	1043	1638	1266	1862	1489	1936	1564	2085	1713	2122	1750
AK54	4.90	1036	679	1214	857	1357	1000	1571	1214	1786	1429	1857	1500	2000	1643	2036	1679

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Note: For drive selections below the bold line, use HP ratings on TABLE 1 or TABLE 2. For drive selections above the bold line, use BASIC HP RATING TABLES from DODGE engineering catalog for Driven Sheave size.

DODGE

1 VP Sheave Using A or AX Belt

Driven RPM For 1750 RPM Motor

Driven SHV.		1VP34		1VP40		1VP44		1VP50		1VP56		1VP60		1VP62		1VP65	
Size	P.D.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
AK56	5.20	976	639	1144	808	1279	942	1481	1144	1683	1346	1750	1413	1885	1548	1918	1582
AK59	5.50	923	605	1082	764	1209	891	1400	1082	1591	1273	1655	1336	1782	1464	1814	1495
AK61	5.70	890	583	1044	737	1167	860	1351	1044	1535	1228	1596	1289	1719	1412	1750	1443
AK64	6.00	846	554	992	700	1108	817	1283	992	1458	1167	1517	1225	1633	1342	1663	1371
AK66	6.20	819	536	960	677	1073	790	1242	960	1411	1129	1468	1185	1581	1298	1609	1327
AK69	6.50	781	512	915	646	1023	754	1185	915	1346	1077	1400	1131	1508	1238	1535	1265
AK71	6.70	757	496	888	627	993	731	1149	888	1306	1045	1358	1097	1463	1201	1489	1228
AK74	7.00	725	475	850	600	950	700	1100	850	1250	1000	1300	1050	1400	1150	1425	1175
AK79	7.50	677	443	793	560	887	653	1027	793	1167	933	1213	980	1307	1073	1330	1097
AK84	8.00	634	416	744	525	831	613	963	744	1094	875	1138	919	1225	1006	1247	1028
AK89	8.50	597	391	700	494	782	576	906	700	1029	824	1071	865	1153	947	1174	968
AK94	9.00	564	369	661	467	739	544	856	661	972	778	1011	817	1089	894	1108	914
AK99	9.50	534	350	626	442	700	516	811	626	921	737	958	774	1032	847	1050	866
AK104	10.00	508	333	595	420	665	490	770	595	875	700	910	735	980	805	998	823
AK109	10.60	479	314	561	396	627	462	726	561	825	660	858	693	925	759	941	776
AK114	11.00	461	302	541	382	605	445	700	541	795	636	827	668	891	732	907	748
AK124	12.00	423	277	496	350	554	408	642	496	729	583	758	613	817	671	831	685
AK134	13.00	390	256	458	323	512	377	592	458	673	538	700	565	754	619	767	633
AK144	14.00	363	238	425	300	475	350	550	425	625	500	650	525	700	575	713	588
AK154	15.00	338	222	397	280	443	327	513	397	583	467	607	490	653	537	665	548
AK184	18.00	282	185	331	233	369	272	428	331	486	389	506	408	544	447	554	457

Driven RPM For 1750 RPM Motor

Driven SHV		1VP68		1VP71		1VP75	
Size	P.D.	Max.	Min.	Max.	Min.	Max.	Min.
AK30	2.80	3875	3250	3938	3313	4188	3563
AK32	3.00	3617	3033	3675	3092	3908	3325
AK34	3.20	3391	2844	3445	2898	3664	3117
AK39	3.50	3100	2600	3150	2650	3350	2850
AK41	3.70	2932	2459	2980	2507	3169	2696
AK44	4.00	2713	2275	2756	2319	2931	2494
AK46	4.20	2583	2167	2625	2208	2792	2375
AK49	4.50	2411	2022	2450	2061	2606	2217
AK51	4.70	2309	1936	2346	1973	2495	2122
AK54	4.90	2214	1857	2250	1893	2393	2036
AK56	5.20	2087	1750	2120	1784	2255	1918
AK59	5.50	1973	1655	2005	1686	2132	1814
AK61	5.70	1904	1596	1934	1627	2057	1750
AK64	6.00	1808	1517	1838	1546	1954	1663
AK66	6.20	1750	1468	1778	1496	1891	1609
AK69	6.50	1669	1400	1696	1427	1804	1535
AK71	6.70	1619	1358	1646	1384	1750	1489
AK74	7.00	1550	1300	1575	1325	1675	1425
AK79	7.50	1447	1213	1470	1237	1563	1330
AK84	8.00	1356	1138	1378	1159	1466	1247
AK89	8.50	1276	1071	1297	1091	1379	1174
AK94	9.00	1206	1011	1225	1031	1303	1108
AK99	9.50	1142	958	1161	976	1234	1050
AK104	10.00	1085	910	1103	928	1173	998
AK109	10.60	1024	858	1040	875	1106	941
AK114	11.00	986	827	1002	843	1066	907
AK124	12.00	904	758	919	773	977	831
AK134	13.00	835	700	848	713	902	767
AK144	14.00	775	650	788	663	838	713
AK154	15.00	723	607	735	618	782	665
AK184	18.00	603	506	613	515	651	554

NOTE: For drive selections below the bold line, use HP ratings on TABLE 1 or TABLE 2. For drive selections above the bold line, use BASIC HP RATING TABLES from DODGE engineering catalog for Driven Sheave size.

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SELECTION

1 VP Sheave Using B or BX Belt

Driven RPM For 1750 RPM Motor

Driven SHV.		1VP34		1VP40		1VP44		1VP50		1VP56		1VP60		1VP62		1VP65	
Size	P.D.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
BK23	2.10	2667	2000	3083	2250	3417	2583	3917	3083	4417	3583	4583	3583	4917	4083	5000	4000
BK24	2.20	2545	1909	2943	2148	3261	2466	3739	2943	4216	3420	4375	3420	4693	3898	4773	3818
BK25	2.30	2435	1826	2815	2054	3120	2359	3576	2815	4033	3272	4185	3272	4489	3728	4565	3652
BK26	2.40	2333	1750	2698	1969	2990	2260	3427	2698	3865	3135	4010	3135	4302	3573	4375	3500
BK28	2.60	2154	1615	2490	1817	2760	2087	3163	2490	3567	2894	3702	2894	3971	3298	4038	3231
BK30	2.80	2000	1500	2313	1688	2563	1938	2938	2313	3313	2688	3438	2688	3688	3063	3750	3000
BK31	2.90	1931	1448	2233	1629	2474	1871	2836	2233	3198	2595	3319	2595	3560	2957	3621	2897
BK32	3.00	1867	1400	2158	1575	2392	1808	2742	2158	3092	2508	3208	2508	3442	2858	3500	2800
BK34	3.20	1750	1313	2023	1477	2242	1695	2570	2023	2898	2352	3008	2352	3227	2680	3281	2625
BK36	3.40	1647	1235	1904	1390	2110	1596	2419	1904	2728	2213	2831	2213	3037	2522	3088	2471
BK40	3.60	1556	1167	1799	1312	1993	1507	2285	1799	2576	2090	2674	2090	2868	2382	2917	2333
BK45	3.90	1436	1077	1660	1212	1840	1391	2109	1660	2378	1929	2468	1929	2647	2199	2692	2154
BK47	4.10	1366	1024	1579	1152	1750	1323	2006	1579	2262	1835	2348	1835	2518	2091	2561	2049
BK50	4.40	1273	955	1472	1074	1631	1233	1869	1472	2108	1710	2188	1710	2347	1949	2386	1909
BK52	4.60	1217	913	1408	1027	1560	1179	1788	1408	2016	1636	2092	1636	2245	1864	2283	1826
BK55	4.90	1143	857	1321	964	1464	1107	1679	1321	1893	1536	1964	1536	2107	1750	2143	1714
BK57	5.10	1098	824	1270	926	1407	1064	1613	1270	1819	1475	1887	1475	2025	1681	2059	1647
BK60	5.40	1037	778	1199	875	1329	1005	1523	1199	1718	1394	1782	1394	1912	1588	1944	1556
BK62	5.60	1000	750	1156	844	1281	969	1469	1156	1656	1344	1719	1344	1844	1531	1875	1500
BK65	5.90	949	712	1097	801	1216	919	1394	1097	1572	1275	1631	1275	1750	1453	1780	1424
BK67	6.10	918	689	1061	775	1176	889	1348	1061	1520	1234	1578	1234	1693	1406	1721	1377
BK70	6.40	875	656	1012	738	1121	848	1285	1012	1449	1176	1504	1176	1613	1340	1641	1313
BK72	6.60	848	636	981	716	1087	822	1246	981	1405	1140	1458	1140	1564	1299	1591	1273
BK75	6.90	812	609	938	685	1040	786	1192	938	1344	1091	1395	1091	1496	1243	1522	1217
BK77	7.10	789	592	912	665	1011	764	1158	912	1306	1060	1356	1060	1454	1208	1479	1183
BK80	7.40	757	568	875	639	970	733	1111	875	1253	1017	1301	1017	1395	1159	1419	1135
BK85	7.90	709	532	820	598	908	687	1041	820	1174	953	1218	953	1307	1085	1329	1063
BK90	8.40	667	500	771	563	854	646	979	771	1104	896	1146	896	1229	1021	1250	1000
BK95	8.90	629	472	728	531	806	610	924	728	1042	846	1081	846	1160	963	1180	944
BK100	9.40	596	447	689	503	763	577	875	689	987	801	1024	801	1098	912	1117	894
BK105	9.90	566	424	654	477	725	548	831	654	937	760	972	760	1043	866	1061	848
BK110	10.40	538	404	623	454	690	522	791	623	892	724	925	724	993	825	1010	808
BK115	10.90	514	385	594	433	658	498	755	594	851	690	883	690	947	787	963	771
BK120	11.40	491	368	568	414	629	476	721	568	814	660	844	660	906	752	921	737
BK130	12.40	452	339	522	381	579	438	663	522	748	607	776	607	833	692	847	677
BK140	13.40	418	313	483	353	535	405	614	483	692	562	718	562	771	640	784	627
BK160	15.40	364	273	420	307	466	352	534	420	602	489	625	489	670	557	682	545
BK190	18.40	304	228	352	257	390	295	447	352	504	409	523	409	561	466	571	457

(Cont. next page)

NOTE: For drive selections below the bold line, use HP ratings on TABLE 1 or TABLE 2. For drive selections above the bold line, use BASIC HORSEPOWER RATING TABLES from DODGE engineering catalog for Driven Sheave size.

1 VP Sheave Using B or BX Belt

Driven RPM For 1750 RPM Motor

Driven SHV.		1VP68		1VP71		1VP75	
Size	P.D.	Max.	Min.	Max.	Min.	Max.	Min.
BK28	2.60	4375	3702	4442	3635	4712	3904
BK30	2.80	4063	3438	4125	3375	4375	3625
BK31	2.90	3922	3319	3983	3259	4224	3500
BK34	3.20	3555	3008	3609	2953	3828	3172
BK36	3.40	3346	2831	3397	2779	3603	2985
BK40	3.60	3160	2674	3208	2625	3403	2819
BK45	3.90	2917	2468	2962	2423	3141	2603
BK47	4.10	2774	2348	2817	2305	2988	2476
BK50	4.40	2585	2188	2625	2148	2784	2307
BK52	4.60	2473	2092	2511	2054	2663	2207
BK55	4.90	2321	1964	2357	1929	2500	2071
BK57	5.10	2230	1887	2265	1853	2402	1990
BK60	5.40	2106	1782	2139	1750	2269	1880
BK62	5.60	2031	1719	2063	1688	2188	1813
BK65	5.90	1928	1631	1958	1602	2076	1720
BK67	6.10	1865	1578	1893	1549	2008	1664
BK70	6.40	1777	1504	1805	1477	1914	1586
BK72	6.60	1723	1458	1750	1432	1856	1538
BK75	6.90	1649	1395	1674	1370	1775	1471
BK77	7.10	1602	1356	1627	1331	1725	1430
BK80	7.40	1537	1301	1561	1277	1655	1372
BK85	7.90	1440	1218	1462	1196	1551	1285
BK90	8.40	1354	1146	1375	1125	1458	1208
BK95	8.90	1278	1081	1298	1062	1376	1140
BK100	9.40	1210	1024	1229	1005	1303	1080
BK105	9.90	1149	972	1167	955	1237	1025
BK110	10.40	1094	925	1111	909	1178	976
BK115	10.90	1044	883	1060	867	1124	931
BK120	11.40	998	844	1013	829	1075	890
BK130	12.40	917	776	931	762	988	819
BK140	13.40	849	718	862	705	914	757
BK160	15.40	739	625	750	614	795	659
BK190	18.40	618	523	628	514	666	552

NOTE: For drive selections below the bold line, use HP ratings on TABLE 1 or TABLE 2. For drive selections above the bold line, refer to the BASIC HORSEPOWER Rating Tables in the DODGE Engineering Catalog for Driven Sheave size.

SELECTION

2 VP Sheave Using A or AX Belt

Driven RPM For 1750 RPM Motor

Driven SHV.		2VP36		2VP42		2VP50		2VP56		2VP60		2VP62		2VP65	
Size	P.D.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
2AK20	1.80	2917	1944	3500	2528	4278	3306	4861	3889	--	--	--	--	--	--
2AK21	1.90	2763	1842	3316	2395	4053	3132	4605	3684	4789	3868	--	--	--	--
2AK22	2.00	2625	1750	3150	2275	3850	2975	4375	3500	4550	3675	4900	4025	4988	4113
2AK23	2.10	2500	1667	3000	2167	3667	2833	4167	3333	4333	3500	4667	3833	4750	3917
2AK25	2.30	2283	1522	2739	1978	3348	2587	3804	3043	3957	3196	4261	3500	4337	3576
2AK26	2.40	2188	1458	2625	1896	3208	2479	3646	2917	3792	3062	4083	3354	4156	3427
2AK27	2.50	2100	1400	2520	1820	3080	2380	3500	2800	3640	2940	3920	3220	3990	3290
2AK28	2.60	2019	1346	2423	1750	2962	2288	3365	2692	3500	2827	3769	3096	3837	3163
2AK30	2.80	1875	1250	2250	1625	2750	2125	3125	2500	3250	2625	3500	2875	3563	2938
2AK32	3.00	1750	1167	2100	1517	2567	1983	2917	2333	3033	2450	3267	2683	3325	2742
2AK34	3.20	1641	1094	1969	1422	2406	1859	2734	2188	2844	2297	3063	2516	3117	2570
2AK39	3.50	1500	1000	1800	1300	2200	1700	2500	2000	2600	2100	2800	2300	2850	2350
2AK41	3.70	1419	946	1703	1230	2081	1608	2365	1892	2459	1986	2649	2176	2696	2223
2AK44	4.00	1313	875	1575	1138	1925	1488	2188	1750	2275	1838	2450	2013	2494	2056
2AK46	4.20	1250	833	1500	1083	1833	1417	2083	1667	2167	1750	2333	1917	2375	1958
2AK49	4.50	1167	778	1400	1011	1711	1322	1944	1556	2022	1633	2178	1789	2217	1828
2AK51	4.70	1117	745	1340	968	1638	1266	1862	1489	1936	1564	2085	1713	2122	1750
2AK54	5.00	1050	700	1260	910	1540	1190	1750	1400	1820	1470	1960	1610	1995	1645
2AK56	5.20	1010	673	1212	875	1481	1144	1683	1346	1750	1413	1885	1548	1918	1582
2AK59	5.50	955	636	1145	827	1400	1082	1591	1273	1655	1336	1782	1464	1814	1495
2AK61	5.70	921	614	1105	798	1351	1044	1535	1228	1596	1289	1719	1412	1750	1443
2AK64	6.00	875	583	1050	758	1283	992	1458	1167	1517	1225	1633	1342	1663	1371
2AK74	7.00	750	500	900	650	1100	850	1250	1000	1300	1050	1400	1150	1425	1175
2AK84	8.00	656	438	788	569	963	744	1094	875	1137	919	1225	1006	1247	1028
2AK94	9.00	583	389	700	506	856	661	972	778	1011	817	1089	894	1108	914
2AK104	10.00	525	350	630	455	770	595	875	700	910	735	980	805	998	823
2AK114	11.00	477	318	573	414	700	541	795	636	827	668	891	732	907	748
2AK124	12.00	438	292	525	379	642	496	729	583	758	613	817	671	831	685
2AK134	13.00	404	269	485	350	592	458	673	538	700	565	754	619	767	633
2AK144	14.00	375	250	450	325	550	425	625	500	650	525	700	575	713	588
2AK154	15.00	350	233	420	303	513	397	583	467	607	490	653	537	665	548
2AK184	18.00	292	194	350	253	428	331	486	389	506	408	544	447	554	457

Driven RPM For 1750 RPM Motor

Driven SHV.		2VP68		2VP71		2VP75	
Size	P.D.	Max.	Min.	Max.	Min.	Max.	Min.
2AK27	2.50	4340	3640	4410	3710	4690	3990
2AK28	2.60	4173	3500	4240	3567	4510	3837
2AK30	2.80	3875	3250	3938	3313	4188	3563
2AK32	3.00	3617	3033	3675	3092	3908	3325
2AK34	3.20	3391	2844	3445	2898	3664	3117
2AK39	3.50	3100	2600	3150	2650	3350	2850
2AK41	3.70	2932	2459	2980	2507	3169	2696
2AK44	4.00	2713	2275	2756	2319	2931	2494
2AK46	4.20	2583	2167	2625	2208	2792	2375
2AK49	4.50	2411	2022	2450	2061	2606	2217
2AK51	4.70	2309	1936	2346	1973	2495	2122
2AK54	5.00	2170	1820	2205	1855	2345	1995
2AK56	5.20	2087	1750	2120	1784	2255	1918
2AK59	5.50	1973	1655	2005	1686	2132	1814
2AK61	5.70	1904	1596	1934	1627	2057	1750

Driven RPM For 1750 RPM Motor

Driven SHV.		2VP68		2VP71		2VP75	
Size	P.D.	Max.	Min.	Max.	Min.	Max.	Min.
2AK64	6.00	1808	1517	1838	1546	1954	1663
2AK74	7.00	1550	1300	1575	1325	1675	1425
2AK84	8.00	1356	1138	1378	1159	1466	1247
2AK94	9.00	1206	1011	1225	1031	1303	1108
2AK104	10.00	1085	910	1103	928	1173	998
2AK114	11.00	986	827	1002	843	1066	907
2AK124	12.00	904	758	919	773	977	831
2AK134	13.00	835	700	848	713	902	767
2AK144	14.00	775	650	788	663	838	713
2AK154	15.00	723	607	735	618	782	665
2AK184	18.00	603	506	613	515	651	554

NOTE: For drive selections below the bold line, use HP ratings on TABLE 1 or TABLE 2. For drive selections above the bold line, refer to the BASIC HORSEPOWER Rating Tables in the DODGE Engineering Catalog for Driven Sheave size.

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SELECTION

2 VP Sheave Using B or BX Belt

Driven RPM For 1750 RPM Motor

Dia.	Driven Sheave		2VP36		2VP42		2VP50		2VP56		2VP60		2VP62		2VP65	
O.D.	Size	P.D.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
2.5	2BK25	2.30	2511	1902	2967	2207	3576	2815	4033	3272	--	--	--	--	--	--
2.7	2BK27	2.50	2310	1750	2730	2030	3290	2590	3710	3010	3850	3010	4130	3430	4200	3360
2.95	2BK28	2.60	2221	1683	2625	1952	3163	2490	3567	2894	3702	2894	3971	3298	4038	3231
3.15	2BK30	2.80	2062	1563	2437	1813	2937	2312	3312	2687	3438	2687	3688	3063	3750	3000
3.35	2BK32	3.00	1925	1458	2275	1692	2742	2158	3092	2508	3208	2508	3442	2858	3500	2800
3.55	2BK34	3.20	1805	1367	2133	1586	2570	2023	2898	2352	3008	2352	3227	2680	3281	2625
3.75	2BK36	3.40	1699	1287	2007	1493	2419	1904	2728	2213	2831	2213	3037	2522	3088	2471
3.95	2BK40	3.60	1604	1215	1896	1410	2285	1799	2576	2090	2674	2090	2868	2382	2917	2333
4.25	2BK45	3.90	1481	1122	1750	1301	2109	1660	2378	1929	2468	1929	2647	2199	2692	2154
4.45	2BK47	4.10	1409	1067	1665	1238	2006	1579	2262	1835	2348	1835	2518	2091	2561	2049
4.75	2BK50	4.40	1312	994	1551	1153	1869	1472	2108	1710	2188	1710	2347	1949	2386	1909
4.95	2BK52	4.60	1255	951	1484	1103	1788	1408	2016	1636	2092	1636	2245	1864	2283	1826
5.25	2BK55	4.90	1179	893	1393	1036	1679	1321	1893	1536	1964	1536	2107	1750	2143	1714
5.45	2BK57	5.10	1132	858	1338	995	1613	1270	1819	1475	1887	1475	2025	1681	2059	1647
5.75	2BK60	5.40	1069	810	1264	940	1523	1199	1718	1394	1782	1394	1912	1588	1944	1556
5.95	2BK62	5.60	1031	781	1219	906	1469	1156	1656	1344	1719	1344	1844	1531	1875	1500
6.25	2BK65	5.90	979	742	1157	860	1394	1097	1572	1275	1631	1275	1750	1453	1780	1424
6.45	2BK67	6.10	947	717	1119	832	1348	1061	1520	1234	1578	1234	1693	1406	1721	1377
6.75	2BK70	6.40	902	684	1066	793	1285	1012	1449	1176	1504	1176	1613	1340	1641	1312
7.75	2BK80	7.40	780	591	922	686	1111	875	1253	1017	1301	1017	1395	1159	1419	1135
8.75	2BK90	8.40	688	521	813	604	979	771	1104	896	1146	896	1229	1021	1250	1000
9.75	2BK100	9.40	614	465	726	540	875	689	987	801	1024	801	1098	912	1117	894
11.75	2BK120	11.40	507	384	599	445	721	568	814	660	844	660	906	752	921	737
12.75	2BK130	12.40	466	353	550	409	663	522	748	607	776	607	833	692	847	677
13.75	2BK140	13.40	431	326	509	379	614	483	692	562	718	562	771	640	784	627
15.75	2BK160	15.40	375	284	443	330	534	420	602	489	625	489	670	557	682	545
18.75	2BK190	18.40	314	238	371	276	447	352	504	409	523	409	561	466	571	457

Driven RPM For 1750 RPM Motor												
Dia.	Driven Sheave		2VP68		2VP71		2VP75		2V58B70		2V68B80	
O.D.	Size	P.D.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
3.55	2BK34	3.20	3555	3008	3555	2953	3828	3172	3828	3172	--	--
3.75	2BK36	3.40	3346	2831	3346	2779	3603	2985	3603	2985	3963	3500
3.95	2BK40	3.60	3160	2674	3160	2625	3403	2819	3403	2819	3743	3306
4.25	2BK45	3.90	2917	2468	2917	2423	3141	2603	3141	2603	3455	3051
4.45	2BK47	4.10	2774	2348	2774	2305	2988	2476	2988	2476	3287	2902
4.75	2BK50	4.40	2585	2188	2585	2148	2784	2307	2784	2307	3062	2705
4.95	2BK52	4.60	2473	2092	2473	2054	2663	2207	2663	2207	2929	2587
5.25	2BK55	4.90	2321	1964	2321	1929	2500	2071	2500	2071	2750	2429
5.45	2BK57	5.10	2230	1887	2230	1853	2402	1990	2402	1990	2642	2333
5.75	2BK60	5.40	2106	1782	2106	1750	2269	1880	2269	1880	2495	2204
5.95	2BK62	5.60	2031	1719	2031	1687	2188	1813	2188	1813	2406	2125
6.25	2BK65	5.90	1928	1631	1928	1602	2076	1720	2076	1720	2284	2017
6.45	2BK67	6.10	1865	1578	1865	1549	2008	1664	2008	1664	2209	1951
6.75	2BK70	6.40	1777	1504	1777	1477	1914	1586	1914	1586	2105	1859
7.75	2BK80	7.40	1537	1301	1537	1277	1655	1372	1655	1372	1821	1608
8.75	2BK90	8.40	1354	1146	1354	1125	1458	1208	1458	1208	1604	1417
9.75	2BK100	9.40	1210	1024	1210	1005	1303	1080	1303	1080	1434	1266
11.75	2BK120	11.40	998	844	998	829	1075	890	1075	890	1182	1044
12.75	2BK130	12.40	917	776	917	762	988	819	988	819	1087	960
13.75	2BK140	13.40	849	718	849	705	914	757	914	757	1006	888
15.75	2BK160	15.40	739	625	739	614	795	659	795	659	875	773
18.75	2BK190	18.40	618	523	618	514	666	552	666	552	732	647

NOTE: For drive selections below the bold line, use HP ratings on TABLE 1 or TABLE 2. For drive selections above the bold line, refer to the BASIC HORSEPOWER Rating Tables in the DODGE Engineering Catalog for Driven Sheave size.

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SELECTION

2VP Sheave Using 5VX Belt

Driven RPM For 1750 RPM Motor

Driven Sheave	2VP62		2VP65		2VP68		2VP71		2VP75		2V58B70		2V68B80	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
2/5V4.4	2564	2157	2605	2116	2808	2401	2849	2360	3012	2523	3012	2442	3419	2930
2/5V4.65	2423	2038	2462	2000	2654	2269	2692	2231	2846	2385	2846	2308	3231	2769
2/5V4.9	2297	1932	2333	1896	2516	2151	2552	2115	2698	2260	2698	2188	3063	2625
2/5V5.2	2201	1851	2236	1816	2410	2061	2445	2026	2585	2166	2585	2096	2934	2515
2/5V5.5	2042	1718	2074	1685	2236	1912	2269	1880	2398	2009	2398	1944	2722	2333
2/5V5.9	1901	1599	1931	1569	2082	1780	2112	1750	2233	1871	2233	1810	2534	2172
2/5V6.3	1778	1496	1806	1468	1948	1665	1976	1637	2089	1750	2089	1694	2371	2032
2/5V6.7	1670	1405	1697	1379	1830	1564	1856	1538	1962	1644	1962	1591	2227	1909
2/5V7.1	1575	1325	1600	1300	1725	1475	1750	1450	1850	1550	1850	1500	2100	1800
2/5V7.5	1490	1253	1514	1230	1632	1395	1655	1372	1750	1466	1750	1419	1986	1703
2/5V8.0	1396	1174	1418	1152	1528	1307	1551	1285	1639	1373	1639	1329	1861	1595
2/5V8.5	1313	1104	1333	1083	1438	1229	1458	1208	1542	1292	1542	1250	1750	1500
2/5V9.0	1239	1042	1258	1022	1357	1160	1376	1140	1455	1219	1455	1180	1652	1416
2/5V9.25	1205	1014	1224	995	1320	1128	1339	1109	1415	1186	1415	1148	1607	1377
2/5V9.75	1142	961	1161	943	1251	1070	1269	1052	1342	1124	1342	1088	1523	1306
2/5V10.3	1081	909	1098	892	1184	1012	1201	995	1270	1064	1270	1029	1441	1235
2/5V10.9	1021	859	1037	843	1118	956	1134	940	1199	1005	1199	972	1361	1167
2/5V11.3	984	828	1000	813	1078	922	1094	906	1156	969	1156	938	1313	1125
2/5V11.8	942	793	957	778	1032	882	1047	868	1107	927	1107	897	1256	1077
2/5V12.5	889	748	903	734	974	833	988	819	1044	875	1044	847	1185	1016
2/5V13.2	842	708	855	695	922	788	935	775	989	828	989	802	1122	962
2/5V14.0	793	667	806	655	869	743	881	730	932	781	932	755	1058	906
2/5V15.0	740	622	752	611	810	693	822	681	869	728	869	705	987	846
2/5V16.0	693	583	704	572	759	649	770	638	814	682	814	660	925	792
2/5V18.7	593	499	602	489	649	555	659	546	696	583	696	565	790	677
2/5V21.2	523	440	531	431	572	489	581	481	614	514	614	498	697	597
2/5V23.6	469	395	477	387	514	439	521	432	551	462	551	447	626	536
2/5V28.0	395	332	401	326	433	370	439	364	464	389	464	376	527	452

NOTE: For drive selections below the bold line, use HP ratings on TABLE 1. or TABLE 2. For drive selections above the bold line, use BASIC HP RATING TABLES from DODGE ENGINEERING Catalog for driven sheave size.

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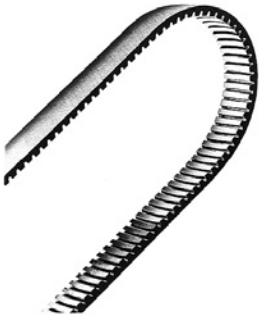
DRIVE COMPONENT ACCESSORIES

DODGE

Wide Range Belts - REEVES



Belt Series	For Pulley Numbers
1422	95, 5675, 406
1922	96, 97, 7202, 408
2322	98, 409
2926	98–1/2, 9205, 411
3236	910, 410, 410/8
4430	912, 912–15, 1110, 412
	412/15, 1320, 1330
4830	414, 414/25

WIDE RANGE BELTS FOR REEVES PULLEYS

For Adjustable Speed Drive Applications
Oil And Heat Resistant
Static Conducting
Industry Standard Belt Numbers

1st Two Digits - Belt Width in Sixteenth Inch
2nd Two Digits - Sheave Groove Angle
Remaining Digits - Pitch Length in Tenths of an inch.

Belt Size	DODGE P/N	REEVES P/N
1422V SERIES		
1422V270	**109407**	**8H95450**
1422V300	**109409**	**8H95123**
1422V330	**109411**	**8H95451**
1422V360	**109011**	**8H95124**
1422V400	**109414**	**8H95452**
1422V420	**109012**	**8H95125**
1422V466	**109418**	**8H95453**
1422V480	**109013**	**8H95126**
1422V540	**109014**	**8H95127**
1422V600	**109422**	**8H95128**
1422V660	**109423**	**8H95454**
1422V720	**109424**	**8H95455**
1422V780	**109425**	**8H95456**
1922V SERIES		
1922V256	**109493**	**8H95457**
1922V321	**109498**	**8H95133**
1922V338	**109500**	**8H95458**
1922V363	**109501**	**8H95134**
1922V386	**109020**	**8H95135**
1922V403	**109504**	**8H95459**
1922V417	**109505**	**8H95460**
1922V426	**109021**	**8H95137**
1922V443	**109507**	**8H95461**
1922V454	**109508**	**8H95139**
1922V484	**109022**	**8H95140**
1922V544	**109023**	**8H95142**
1922V604	**109024**	**8H95143**
1922V646	**109515**	**8H95462**
1922V666	**109516**	**8H95145**
1922V726	**109520**	**8H95148**
1922V751	**109521**	**8H95463**
1922V756	**109522**	**8H95464**
1922V806	**109523**	**8H95149**
2322V SERIES		
2322V364	**109599**	**8H95465**
2322V396	**109601**	**8H95466**
2322V421	**109602**	**8H95153**
2322V443	**–**	**8H95154**
2322V SERIES (CONT)		
2322V486	**–**	**8H95155**
2322V521	**109031**	**8H95156**
2322V541	**109607**	**8H95157**
2322V601	**109601**	**8H95466**
2322V661	**109033**	**8H95159**
2322V681	**109611**	**8H95467**
2322V721	**109034**	**8H95162**
2322V801	**109614**	**8H95163**
2322V886	**109617**	**8H95468**
2322V1001	**109619**	**8H95469**
2926V SERIES		
2926V471	**109713**	**8H95477**
2926V486	**109715**	**8H95170**
2926V521	**109717**	**8H95171**
2926V546	**109719**	**8H95172**
2926V574	**109720**	**8H95173**
2926V586	**109721**	**8H95174**
2926V606	**109722**	**8H95175**
2926V636	**109740**	**8H95177**
2926V646	**109724**	**8H95178**
2926V686	**109726**	**8H95180**
2926V726	**109728**	**8H95182**
2926V776	**109729**	**8H95183**
2926V834	**109731**	**8H95184**
2926V856	**109732**	**8H95185**
2926V906	**109734**	**8H95187**
2926V966	**109735**	**8H95478**
3226V SERIES		
3226V433	**109749**	**8H95470**
3226V465	**109750**	**8H95471**
3226V505	**109751**	**8H95472**
3226V545	**109753**	**8H95473**
3226V585	**109754**	**8H95474**
3226V603	**109040**	**8H95192**
3226V663	**109041**	**8H95193**
3226V723	**109042**	**8H95194**
3226V783	**109043**	**8H95195**
3226V843	**109044**	**8H95196**
3226V SERIES (CONT)		
3226V903	**109760**	**8H95197**
3226V963	**109761**	**8H95198**
3226V1023	**109762**	**8H95475**
3226V1083	**109763**	**8H95476**
4430V SERIES		
4430V548	**109848**	**8H95479**
4430V555	**109849**	**8H95480**
4430V578	**109852**	**8H95481**
4430V610	**109705**	**8H95482**
4430V630	**109855**	**8H95483**
4430V660	**109856**	**8H95484**
4430V670	**109705**	**8H95705**
4430V690	**109858**	**8H95485**
4430V700	**109050**	**8H95486**
4430V730	**109862**	**8H95204**
4430V740	**109863**	**8H95740**
4430V790	**109837**	**8H95205**
4430V850	**109052**	**8H95206**
4430V910	**109053**	**8H95207**
4430V970	**109845**	**8H95208**
4430V1030	**109893**	**8H95209**
4430V1090	**109877**	**8H95210**
4430V1150	**109879**	**8H95488**
4430V1320	**109882**	**8H95489**
4480V SERIES		
4830V614	**109907**	**8H95490**
4830V653	**109908**	**8H95491**
4830V692	**109909**	**8H95492**
4830V699	**109910**	**8H95493**
4830V730	**109911**	**8H95494**
4830V850	**109912**	**8H95495**
4830V970	**109913**	**8H95496**
4830V1070	**109914**	**8H95497**

DODGE

Wide Range Belts

Part No.	Descr.	Wt.
1200 SERIES		
109400	1228V255	.26
1400 SERIES		
109407	1422V270	.30
109408	1422V290	.33
109409	1422V300	.30
109411	1422V330	.37
109412	1422V340	.40
109011	1422V360	.50
109414	1422V400	.45
109012	1422V420	.50
109416	1422V440	.50
109417	1422V460	.52
109418	1422V466	.52
109419	1422V470	.53
109013	1422V480	.60
109014	1422V540	.70
109422	1422V600	.68
109423	1422V660	.74
109425	1422V780	.87
109424	1430V215	.31
1600 SERIES		
109459	1626V262	.42
109461	1626V293	.47
109462	1626V304	.40
109463	1626V330	.50
109464	1626V339	.60
109466	1626V384	.70
109469	1626V428	.68
109470	1626V440	.70
109472	1626V513	.81
109473	1626V517	.82
109475	1626V604	.95
109477	1626V700	1.10
109480	1628V315	.51
109479	1628V210	.29
109482	1632V210	.40
1800 SERIES		
109485	1822V328	.57
109487	1828V368	.73
1900 SERIES		
109493	1922V256	.50
109494	1922V277	.51
109495	1922V282	.60
109496	1922V289	.55
109497	1922V302	.56
109498	1922V321	.60
109499	1922V332	.61
109501	1922V363	.60
109502	1922V381	.70
109020	1922V386	.80
109504	1922V403	.70
109505	1922V417	.76
109021	1922V426	.90
109507	1922V443	.81
109508	1922V454	.70
109509	1922V460	.84
109022	1922V484	1.20
109511	1922V526	.96
109023	1922V544	1.20
109024	1922V604	1.40
109514	1922V630	1.10
109515	1922V646	1.20
109516	1922V516	1.20
109517	1922V686	1.20
109517	1922V706	1.30
109520	1922V726	1.30
109522	1922V756	1.40
109523	1922V806	1.50
109524	1922V846	1.50
109525	1922V891	1.60
109533	1926V250	.50
109068	1926V275	.53
109542	1930V366	.80
109543	1930V375	.81
109544	1930V400	.87
109545	1930V425	.90
109546	1930V431	.93
109549	1930V491	1.10
109552	1930V541	1.10
109554	1930V591	1.30
109555	1930V600	1.30
109557	1930V641	1.30
109559	1930V691	1.50
109561	1930V750	1.60
109562	1930V791	1.70
109565	1930V891	1.90
109568	1930V991	2.10
109571	1930V1091	2.30
2100 SERIES		
109585	2126V309	.60
2200 SERIES		
109590	2226V307	.58
109592	2230V266	.49
109594	2230V275	.60
109596	2230V326	.69
2300 SERIES		
109599	2322V364	.90
109601	2322V601	1.10
109602	2322V421	1.00
109604	2322V441	1.20
109030	2322V481	1.50
109031	2322V521	1.60
109607	2322V541	1.40
109032	2322V601	1.80
109609	2322V621	1.60
109033	2322V661	1.90
109611	2322V681	1.80
109612	2322V701	1.80
109034	2322V721	2.30
109614	2322V801	2.10
109615	2322V826	2.30
109617	2322V886	2.30
109618	2322V921	2.40
109620	2322V1061	2.80
109623	2326V310	.74
109242	2326V359	.92
109625	2330V273	.56
2400 SERIES		
109631	2426V343	.82
109637	2430V297	.71
109639	2436V331	.77
109641	2526V314	.92
109644	2530V470	1.80
109647	2530V530	1.90
109648	2530V550	1.90
109650	2530V575	2.20
109100	2530V595	2.50
109652	2530V600	2.30
109653	2530V610	2.50
109101	2530V630	2.70
109109	2530V660	2.60
109102	2530V670	2.60
109658	2530V690	2.60
109104	2530V730	3.00
109662	2530V740	2.80
109664	2530V790	3.00
109107	2530V840	3.30
109672	2530V990	3.70
109675	2530V1090	4.10
2600 SERIES		
109688	2626V369	1.20
109689	2626V388	1.20
109692	2630V345	1.00
109694	2636V332	1.10
2800 SERIES		
109696	2822V778	3.40
109698	2826V412	1.50
109699	2826V452	1.60
109250	2830V337	1.13
109701	2830V363	1.00
109700	2830V366	1.03
109251	2830V367	1.23
109702	2830V393	.99
109703	2830V422	1.50
109706	2836V343	1.20
109708	2836V380	1.30
2900 SERIES		
109710	2926V366	1.40
109711	2926V400	1.50
109712	2926V426	1.60
109713	2926V471	1.80
109714	2926V477	1.60
109715	2926V486	1.80
109716	2926V491	1.80
109717	2926V521	2.00
109719	2926V546	1.90
109720	2926V574	2.10
109721	2926V721	2.20
109722	2926V606	2.10
109723	2926V616	2.30
109740	2926V636	2.30
109724	2926V724	2.40
109725	2926V666	2.40
109726	2926V726	2.40
109727	2926V706	2.60
109728	2926V726	2.80
109729	2926V776	2.80
109730	2926V786	2.90
109731	2926V834	2.90
109732	2926V856	3.10
109733	2926V891	3.52
109734	2926V906	3.30
109735	2926V966	3.50
109736	2926V1006	3.70
109745	3226V392	1.50
109262	3226V439	1.99
109764	3226V450	2.00
109750	3226V465	2.00
109751	3226V505	2.20
3200 SERIES		
109752	3226V514	2.20
109753	3226V545	2.30
109754	3226V585	2.50
109040	3226V603	2.40
109263	3226V650	2.93
109041	3226V663	2.80
109042	3226V723	3.10
109043	3226V783	3.40
109044	3226V843	3.60
109760	3226V903	3.90
109761	3226V963	4.10
109763	3226V1083	4.60
109766	3230V419	2.10
109772	3230V670	3.40
109774	3230V710	3.60
109803	3236V369	1.60
109805	3236V432	1.90
109807	3326V478	2.40
3400 SERIES		
109822	3432V450	2.13
109809	3432V456	2.10
109808	3432V480	2.27
109810	3432V484	2.20
109269	3432V534	2.52
3600 SERIES		
109817	3636V479	2.50
3700 SERIES		
109821	3726V558	3.40
3800 SERIES		
109824	3826V465	2.60
109826	3830V510	3.10
109827	3830V517	3.20
109835	3830V580	6.60
109828	3830V587	3.30
109830	3836V418	2.00
109831	3836V426	2.10
109832	3836V654	3.50
109833	3836V734	3.90
109834	3836V794	4.40
4000 SERIES		
109836	4030V538	3.40
109840	4036V541	3.50
109841	4036V547	3.60
4200 SERIES		
109843	4230V556	3.30
109844	4230V605	3.60
4400 SERIES		
109846	4430V510	3.70
109847	4430V530	3.80
109848	4430V548	3.90
109849	4430V555	4.00
109851	4430V570	4.10

DRIVE COMPONENT ACCESSORIES

DODGE

Wide Range Belts (cont)

Part No.	Descr.	Wt.
4400 Series (Continuied)		
109852	4430V578	4.20
109854	4430V610	4.30
109855	4430V630	4.40
109856	4430V660	4.50
109857	4430V670	4.70
109858	4430V690	4.90
109050	4430V700	4.80
109861	4430V710	5.10
109862	4430V730	5.40
109863	4430V740	5.30
4430 SERIES		
109865	4430V760	5.40
109051	4430V790	6.00
109052	4430V850	6.30
109053	4430V910	6.90
109054	4430V970	6.70
109875	4430V1030	7.50
109877	4430V877	8.40
109879	4430V1150	8.10
109882	4430V1320	9.30
109885	4430V1610	11.40

Part No.	Descr.	Wt.
109886	4436V525	3.70
109887	4436V551	3.90
109889	4436V561	4.00
109890	4436V576	4.10
109892	4436V646	4.70
4600 SERIES		
109894	4626V596	4.90
109896	4630V650	5.90
109897	4630V663	6.00
109901	4630V733	7.39
109904	4636V613	5.60
4800 SERIES		
109906	4830V602	4.70
109908	4830V653	5.10
109910	4830V699	5.50
109916	4836V588	4.60
109918	4836V618	4.90
109920	4836V655	5.20
109057	4836V670	5.99
109927	4836V850	6.70
109066	4836V1180	11.52

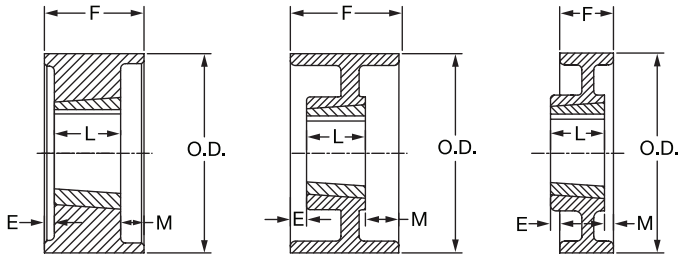
Part No.	Descr.	Wt.
5100 SERIES		
109825	5130V732	8.44
109935	5228V930	9.70
109936	5230V734	7.80
109829	5230V867	10.16
5600 SERIES		
109939	5636V750	8.20
109940	5636V774	8.40
3230HV SERIES		
109789	3230HV528	2.60
109790	3230HV553	2.80
109791	3230HV570	2.90
109792	3230HV585	2.90
109793	3230HV603	3.20
109794	3230HV613	3.10
109795	3230HV620	3.10
109796	3230HV626	3.10
109797	3230HV644	3.20
109802	3230HV656	3.88
109798	3230HV670	3.40
109799	3230HV685	3.50

Part No.	Descr.	Wt.
109800	3230HV702	3.50
109801	3230HV723	3.60
109806	3230HV821	4.85
109814	3230HV856	5.05
109816	3230HV931	5.49

TAPER-LOCK FLAT FACE PULLEYS

The TAPER-LOCK flat face pulley was designed primarily to be used with adjustable speed drives using wide range belts. They are made of quality gray iron and are carefully static balanced.

TAPER-LOCK bushings grip the shaft but can be easily removed. One of the outstanding features is that they go from "shelf-to-shaft" without costly reboring, keyseating or machining.



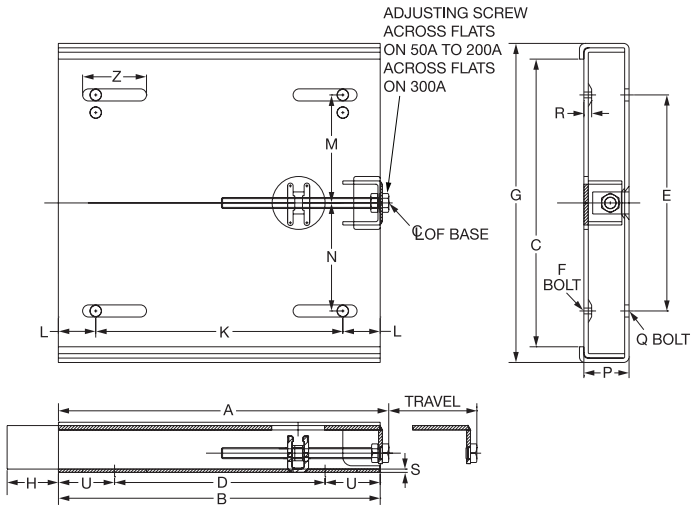
TYPE A TYPE B TYPE C

O.D.	Part No.	Description	Wt.	* Type	DIMENSIONS L	E	M
2 .5" FACE WIDTH							
5	**330250**	5 X 2.5–2012	4.6	A–1	1.25	0.25	1.0
6	**330251**	6 X 2.5–2012	8.1	A–1	1.25	0.25	1.0
7	**330252**	7 X 2.5–2012	8.0	B–2	1.25	0.38	0.88
8	**330253**	8 X 2.5–2012	9.0	B–2	1.25	0.38	0.88
9	**330254**	9 X 2.5–2012	13.5	B–2	1.25	0.44	0.81
10	**330255**	10 X 2.5–2012	16.3	B–2	1.25	0.44	0.81
11	**330256**	11 X 2.5–2012	17.9	B–3	1.25	0.44	0.81
12	**330257**	12 X 2.5–2012	19.6	B–3	1.25	0.44	0.81
14	**330258**	14 X 2.5–3020	23.4	C–3	2.0	0.38	0.88
16	**330259**	16 X 2.5–3020	30.8	C–3	2.0	0.38	0.88
18	**330260**	18 X 2.5–3020	35.3	C–3	2.0	0.38	0.88
20	**330261**	20 X 2.5–3020	44.8	C–3	2.0	0.44	0.94
3.25" FACE WIDTH							
10	**330262**	10 X 3.25–2012	18.2	B–3	1.25	0.81	1.19
11	**330263**	11 X 3.25–2012	20.5	B–3	1.25	0.81	1.19
12	**330264**	12 X 3.25–2012	22.4	B–3	1.25	0.81	1.19
14	**330265**	14 X 3.25–3020	28.4	B–3	2.00	0.06	1.19
16	**330266**	16 X 3.25–3020	39.4	B–3	2.00	0.06	1.19
18	**330267**	18 X 3.25–3020	38.5	B–3	2.00	0.13	1.13
20	**330268**	20 X 3.25–3020	48.8	B–3	2.00	0.13	1.13
22	**330269**	22 X 3.25–3020	51.8	B–3	2.00	0.06	1.19
24	**330270**	24 X 3.25–3020	58.3	B–3	2.00	0.13	1.13
4.25" FACE WIDTH							
12	**330271**	12 x 4.25–3020	26.2	B–3	2.0	0.06	2.19
14	**330272**	14 x 4.25–3020	26.2	B–3	2.0	0.13	2.13
16	**330273**	16 x 4.25–3020	36.0	B–3	2.0	0.13	2.13
18	**330274**	18 x 4.25–3020	41.7	B–3	2.0	0.13	2.13
20	**330279**	20 x 4.25–3020	44.3	B–3	2.0	0.13	2.13
22	**330275**	22 x 4.25–3020	55.8	B–3	2.0	0.13	2.13
24	**330276**	24 x 4.25–3020	59.3	B–3	2.0	0.13	2.13

* Sheave Type: -1 = Block, -2 = Web, -3 = Arm

DODGE Motor Bases

TYPE A SLIDE MOTOR BASES



Type A Motor Bases are fabricated of steel which offers a base of rugged design, compact and smooth in appearance. These bases, which are designed to provide adequate travel, are fully adjustable by the use of a single adjusting screw and have elongated mounting holes in the base plate.

Order by base number. Bases are tapped to receive popular NEMA frames and can be tapped on order for others by specifying the frame size required. See table below.

Base No. Part No.	NEMA Motor Frame No. 1750 RPM	NEMA Motor Frame No. 1160 RPM	Travel	A	B	C	D	E	F *	G	H	K	L
50A **122120**	213	213, 213T	4.75	11.25	10.75	9.38	7.44	7	3/8	10.25	2.06	8.5	1.13
	215	215							3/8			8.5	1.13
	182T*	182T*							3/8			7.5	1.63
	184T*	184T*							3/8			7.5	1.63
100A **122121**	254, 254U	254, 254U, 254T	4.75	13.5	13	12.81	8.25	10	1/2	14.25	2.38	10	1.5
	256U	256U							1/2			10	1.5
	213T*	.....							3/8			8.5	2.25
	215T*	215T*							3/8			5.5	2.25
200A **122122**	284, 284U, 284T	284, 284U, 284T	6.88	16.75	16.25	15.81	11.50	12	1/2	17.25	3.38	11	2.63
	286U, 286T	286U, 286T							1/2			11	2.63
	324, 324U	324, 324U							5/8			12.5	1.88
	326, 326U	326, 326U							5/8			12.5	1.88
	254T*	.....							1/2			10	3.13
	256T*	256T*							1/2			10	3.13
300A **122123**	364, 364U	364, 364U	6.25	18.88	18.25	16.31	11.88	12.25	5/8	18.13	3.25	14	2.13
	365	365							5/8			14	2.13
	324T*	324T*							5/8			12.5	2.88

Base No. Part No.	M	N	P	Q	S	U	Z
50A **122120**	2.0	3.5	1.75	.38	.13	1.66	1.69
	3.5	3.5					
	2.75	1.75					
	2.75	2.75					
100A **122121**	3.25	5.0	2	.68	.19	2.38	2.5
	5.0	5.0					
	2.75	2.75					
	3.5	3.5					
200A **122122**	5.25	4.25	2.25	.68	.19	2.38	2.5
	5.25	5.75					
	4.5	6.0					
	6.0	6.0					
	4.75	3.5					
	4.75	5.25					
300A **122123**	5.13	6.13	2.5	.68	.25	3.19	3.63
	6.13	6.13					
	5.63	4.83					

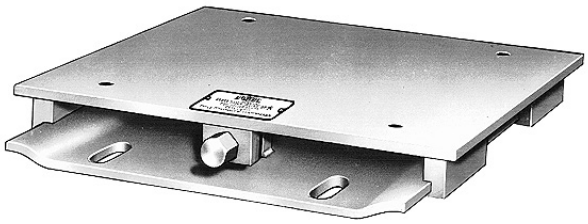
* Bases are tapped with national coarse threads for those motor frames not marked with an asterisk. Bases for motor frames marked with an asterisk will be drilled and tapped on order at an extra charge and will require "F" diameter bolts and nuts – when ordering specify NEMA motor frame size.

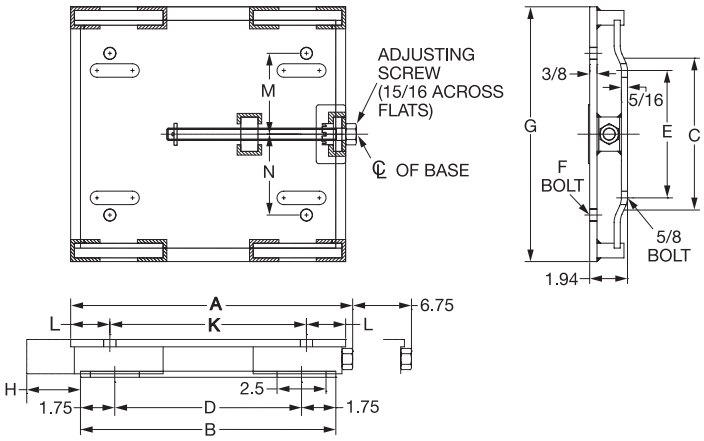
DRIVE COMPONENT ACCESSORIES

DODGE

DODGE Motor Bases

TYPE B SLIDE MOTOR BASES





Type B Motor Bases are made of fabricated steel and include all of the same quality features as the Type A bases. Type B bases were primarily designed to be used where a base of heavier construction is required.

Order by base number. Bases are tapped to receive popular NEMA frames and can be tapped on order for others by specifying the frame size required. See table below.

Base No. Part No.	NEMA Motor Frame No. 1750 RPM	NEMA Motor Frame No. 1160 RPM	Wt.	A	B	C	D	E	F *	G	H	K	L	M	N
11B **122114**	254, 254U	254, 254U	37	14.38	13	9.25	9.5	6.5	1/2	13	3.88	10.0	2.0	4.13	4.13
	215*	215*, 215T*							3/8			8.5	2.75	3.5	3.5
	184T*	184T*							3/8			7.5	3.25	2.75	2.75
	213T*	213T*							3/8			8.5	2.75	2.75	2.75
22B **122115**	284, 284U	284, 284U	37	14.38	13	9.25	9.5	6.5	1/2	13	3.88	11.0	1.5	4.75	4.75
	256U*	256U*, 265T*							1/2			10.0	2.0	5.0	5.0
	215T*	.....							3/8			8.5	2.75	3.5	3.5
	254T*	254T*							1/2			10.0	2.0	4.13	4.13
33B **122116**	324, 324U	324, 324U	48	16.38	14	11.5	10.5	7.75	5/8	15.75	4.38	12.5	1.75	5.25	5.25
	326, 326U	326, 326U							5/8			12.5	1.75	6.0	6.0
	286U*, 286T*	286U*, 286T*							1/2			11.0	2.5	5.5	5.5
	256T*	.....							1/2			10.0	3.0	5.0	5.0
	284T*	284T*							1/2			11.0	2.5	4.15	4.75
45B **122118**	364, 364U	364, 364U	56	18.38	16	12.25	12.5	8	5/8	16.5	4.38	14.0	2.0	5.13	6.13
	365	365							5/8			14.0	2.0	6.13	6.13
	324T*	324T*							5/8			12.5	2.75	5.75	4.75

* Bases are tapped with national coarse threads for those motor frames not marked with an asterisk.
Bases for motor frames marked with an asterisk will be drilled and tapped on order at an extra charge and will require "F" diameter bolts and nuts – when ordering specify NEMA motor frame size.

DODGE

Shaft Collars

Solid Steel Shaft Collars

Shaft Size	Part Number		Dimensions			
	Steel	Stainless	O.D.	Width	Screw	Wt.
1/8	–	456225	3/8	1/4	#6	0.01
3/16	040001	456226	7/16	1/4	#8	0.01
1/4	040002	456227	1/2	5/16	#10	0.01
5/16	040003	456228	5/8	5/16	#10	0.02
3/8	040004	456229	3/4	3/8	1/4	0.03
7/16	040005		7/8	7/16	1/4	0.05
1/2	040006	456230	1	7/16	1/4	0.07
9/16	040007		1	7/16	1/4	0.06
5/8	040008	456231	1-1/8	1/2	5/16	0.09
11/16	040009		1-1/4	9/16	5/16	0.13
3/4	040010	456232	1-1/4	9/16	5/16	0.12
13/16	040011		1-1/4	9/16	5/16	0.11
7/8	040012	456233	1-1/2	9/16	5/16	0.18
15/16	040013		1-1/2	9/16	5/16	0.17
1	040014	456234	1-1/2	5/8	5/16	0.17
1-1/16	040015		1-3/4	5/8	5/16	0.26
1-1/8	040016	456235	1-3/4	5/8	5/16	0.24
1-3/16	040017		2	11/16	3/8	0.38
1-1/4	040018	456236	2	11/16	3/8	0.36
1-5/16	010019		2-1/8	11/16	3/8	0.41
1-3/8	040020		2-1/8	3/4	3/8	0.42
1-7/16	040021		2-1/4	3/4	3/8	0.48
1-1/2	040022	456237	2-1/4	3/4	3/8	0.45
1-9/16	040023		2-1/2	13/16	3/8	0.67
1-5/8	040024		2-1/2	13/16	3/8	0.63
1-11/16	040025		2-1/2	13/16	3/8	0.59
1-3/4	040026	456238	2-5/8	7/8	1/2	0.71
1-7/8	040027		2-3/4	7/8	1/2	0.76
1-15/16	040028		3	7/8	1/2	0.98
2	040029	456239	3	7/8	1/2	0.93
2-3/16	040030		3-1/4	15/16	1/2	1.16
2-1/4	040031		3-1/4	15/16	1/2	1.11
2-7/16	040032		3-1/2	1	1/2	1.36
2-1/2	040033		3-1/2	1	1/2	1.30
2-15/16	040034		4	1-1/8	1/2	1.83

Bore Tolerance

Bore	Tolerance
1/8 - 1/2	+0.0005/+0.0025
9/16 - 2	+0.0005/+0.0030
>2	+0.0010/+0.0040

Solid Iron Shaft Collars

Shaft Size	Part Number	Dimensions		
		O.D.	Width	Wt.
1-15/16	010020	3-3/8	1-3/8	1.75
2	010021	3-3/8	1-3/8	1.75
2-3/16	010024	3-3/4	1-3/8	3
2-7/16	010028	4-1/4	1-1/2	3
2-1/2	010029	4-1/4	1-1/2	3
2-11/16	010032	4-3/4	1-1/2	5
2-15/16	010036	5	1-5/8	5
3-3/16	010039	5-1/2	1-5/8	7
3-7/16	010043	5-3/4	1-3/4	8
3-15/16	010048	6-1/2	1-7/8	10.5
4-7/16	010051	7-1/4	2	13.5
4-15/16	010054	8	2-1/8	17
5-7/16	010055	8-3/4	2-1/8	20
5-15/16	010056	9-1/4	2-1/4	22
6	010057	9-1/4	2-1/4	22
6-1/2	010058	10	2-1/4	25
7	010059	10-1/2	2-3/8	30
7-1/2	010060	11-3/8	2-1/2	35
8	010061	12-1/8	2-7/8	45

Bore Tolerance

Bore	Tolerance
<1-1/2	+0.002/+0.004
1-9/16 - 2-1/2	+0.003/+0.005
2-9/16 - 4	+0.003/+0.006
4-1/16 - 6	+0.003/+0.007
6-1/16 - 8	+0.004/+0.008

Split Iron Shaft Collars

Shaft Size	Part Number	Dimensions		
		O.D.	Width	Wt.
1-1/8	010075	3-1/8	1-1/4	1.3
1-3/16	010076	3-1/8	1-1/4	1.3
1-1/4	010077	3-1/8	1-1/4	1.3
1-5/16	010078	3-3/8	1-7/16	1.5
1-7/16	010080	3-3/8	1-7/16	1.5
1-1/2	010081	3-3/8	1-7/16	1.5
1-11/16	010084	3-3/4	1-9/16	2.3
1-3/4	010085	3-3/4	1-9/16	2.3
1-15/16	010088	4-1/16	1-3/4	2.8
2	010089	4-1/16	1-3/4	2.8
2-3/16	010092	4-1/2	1-7/8	3.0
2-1/4	010093	4-1/2	1-7/8	3.0
2-7/16	010096	4-7/8	2	4.0
2-1/2	010097	4-7/8	2	4.0
2-11/16	010100	5-5/16	2-1/16	5.0
2-15/16	010104	5-5/8	2-5/16	5.8
3	010105	5-5/8	2-5/16	5.8
3-3/16	010107	6-1/16	2-3/8	8.5
3-7/16	010110	6-7/8	2-9/16	9.8
3-11/16	010112	6-13/16	2-5/8	10.0
3-15/16	010114	7-3/16	2-3/4	11.0
4-7/16	010117	8-1/8	3-5/16	16.5
4-15/16	010120	8-3/4	3-1/2	20.5
5-7/16	010123	9-5/8	3-3/4	28.0
5-15/16	010126	10-1/8	4-1/16	30.0
6	010127	10-1/8	4-1/16	30.0
6-1/2	010128	11	4-1/4	41.0
7	010129	12	4-1/2	46.0
7-1/2	010130	12-15/16	4-11/16	56.0
8	010131	13-5/8	5-1/16	69.0

Bore Tolerance

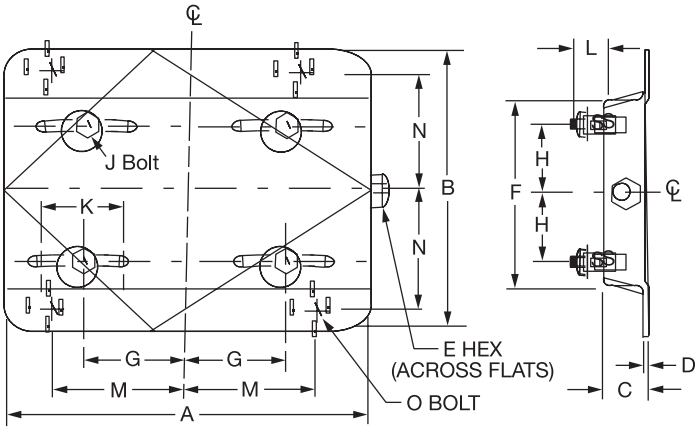
Bore	Tolerance
<1-1/2	+0.002/+0.004
1-9/16 - 2-1/2	+0.003/+0.005
2-9/16 - 4	+0.003/+0.006
4-1/16 - 6	+0.003/+0.007
6-1/16 - 8	+0.004/+0.008

DRIVE COMPONENT ACCESSORIES

DODGE

Adjustable NEMA Motor Bases

DODGE Adjustable motor bases provide a convenient method for mounting standard NEMA-frame motors. Hex- screw “E” is used to adjust the drive center distance over range “K” for tensioning V-Belt and Synchronous belt drives. Once the drive is tensioned, bolts “J” are tightened for a secure, stable mounting of the motor.



Style A

Style B

Base No.	Part No.	Wt.	Style	Dimensions											Bolt Dimensions			
				A	B	C	D	F	G	H	K	L	M	N	Adj.	Hex	J	O
56	**122090**	3.0	A	10.63	6.50	1.13	0.08	4.50	2.44	1.50	3.00	0.87	3.81	2.88	3/8	9/16	5/16	3/8
143	**122091**	5.0	A	10.50	7.50	1.13	0.12	5.50	2.75	2.00	3.00	0.81	3.75	3.38	3/8	9/16	5/16	3/8
145	**122092**	6.0	A	10.50	8.50	1.13	0.12	6.50	2.75	2.50	3.00	0.81	3.75	3.88	3/8	9/16	5/16	3/8
182	**122093**	9.0	A	12.75	9.50	1.50	0.13	6.50	3.75	2.25	3.00	1.25	4.50	4.25	1/2	3/4	3/8	1/2
184	**122094**	9.5	A	12.75	10.50	1.50	0.13	7.50	3.75	2.75	3.00	1.25	4.50	4.75	1/2	3/4	3/8	1/2
213	**122095**	13.5	A	15.00	11.00	1.75	0.16	7.50	4.25	2.75	3.50	1.25	5.25	4.75	1/2	3/4	3/8	1/2
215	**122096**	15.5	A	15.00	12.50	1.75	0.16	9.00	4.25	3.50	3.50	1.25	5.25	5.50	1/2	3/4	3/8	1/2
254	**122097**	17.5	B	17.75	15.13	2.00	0.19	10.75	5.00	4.13	4.00	1.44	6.25	6.63	5/8	15/16	1/2	5/8
256	**122098**	18.5	B	17.75	16.88	2.00	0.19	12.50	5.00	5.00	4.00	1.44	6.25	7.50	5/8	15/16	1/2	5/8
284	**122099**	21.0	B	19.75	16.88	2.00	0.19	12.50	5.50	4.75	4.50	1.69	7.00	7.50	5/8	15/16	1/2	5/8
286	**122100**	22.0	B	19.75	18.38	2.00	0.19	14.00	5.50	5.50	4.50	1.69	7.00	8.25	5/8	15/16	1/2	5/8
324	**122101**	31.0	B	22.75	19.25	2.50	0.19	14.00	6.25	5.25	5.25	2.19	8.00	8.25	3/4	1-1/8	5/8	3/4
326	**122102**	32.0	B	22.75	20.75	2.50	0.19	15.50	6.25	6.00	5.25	2.19	8.00	9.25	3/4	1-1/8	5/8	3/4
364	**122103**	44.0	B	25.50	20.50	2.50	0.25	15.50	7.00	5.63	6.00	2.06	9.00	9.13	3/4	1-1/8	5/8	3/4
365	**122104**	45.0	B	25.50	21.50	2.50	0.25	16.50	7.00	6.13	6.00	2.06	9.00	9.63	3/4	1-1/8	5/8	3/4

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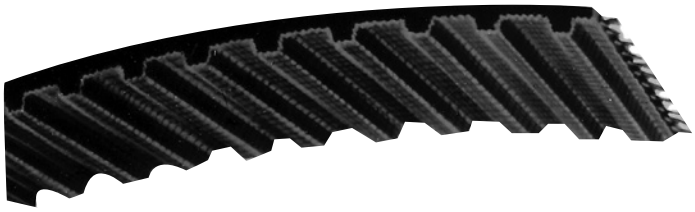
FEATURES/BENEFITS

DYNA-SYNC Drives

The Original Timing Drive

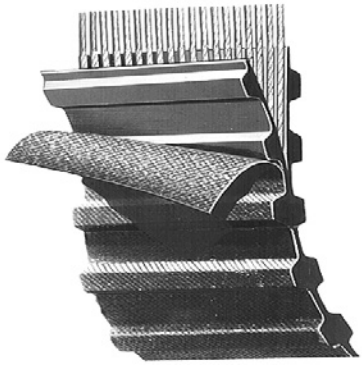
- **Synchronized No-Slip Transmission**
- **No Lubrication Required**
- **Efficiency: Approximately 98%**
- **Low Maintenance**
- **Virtually No Backlash**
- **Constant Linear Velocity**
- **Drive Ratios to 8.5:1**
- **Pitches: XL, L, H, and XH**



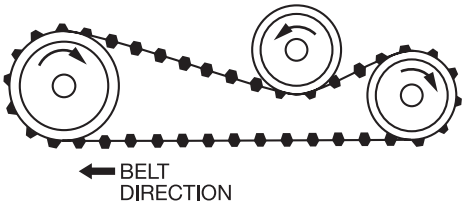
DYNA-SYNC Pulley

- **Clean, Compact TAPER-LOCK Design**
- **Easy-on/Easy-off**
- **Precision Manufactured in ISO9000 Certified Plant**
- **Flanged Design Standard on Driver Sizes**

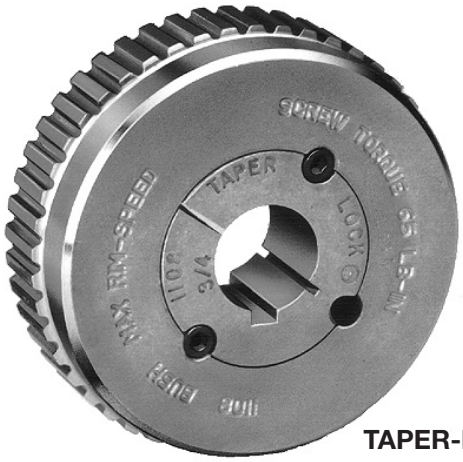
- Tough, Tensile Cords, No-Stretch Fiberglass
- Durable Neoprene Rubber Body
- Long-Wearing Nylon Duck Facing
- Oil, Heat, and Ozone Resistant



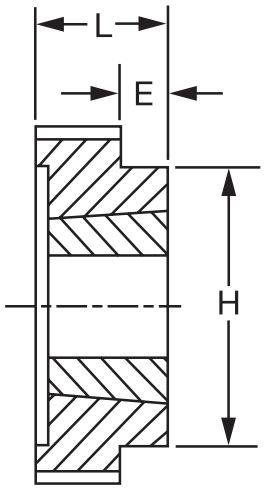
- Dual-Sided Teeth Available for Serpentine Drives



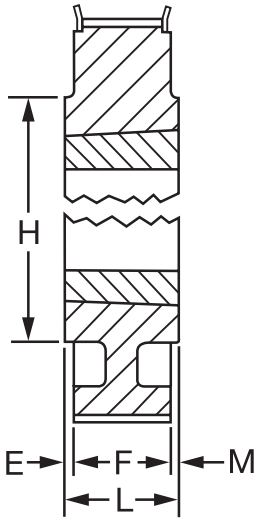
DYNA-SYNC Pulleys - XL, L PITCH



TAPER-LOCK



TAPER-LOCK



TYPE C

XL037 - 1/5" Pitch (.375" Wide Belt)

F= 0.56"

No. of Teeth	Description ◊	Part No.	Wt	Pitch Dia. (P.D.)	Max. Flg. O.D.	Type †	Brushed Bore Range Min.	Brushed Bore Range Max.	Dimensions E	Dimensions H	Dimensions L	Dimensions M
32	TL32XL037-1108	**113021**	.22	2.037	None	TL-1	1/2	1-1/8	–	2.02	0.88	0
36	TL36XL037-1108	**113022**	.30	2.292		TL-1	1/2	1-1/8	0.32	2.13	0.88	0
40	TL40XL037-1108	**113023**	.31	2.546		TL-1	1/2	1-1/8	0.32	2.25	0.88	0
42	TL42XL037-1108	**113024**	.31	2.674		TL-1	1/2	1-1/8	0.32	2.37	0.88	0
44	TL44XL037-1108	**113046**	.31	2.801		TL-1	1/2	1-1/8	0.32	2.63	0.88	0
48	TL48XL037-1108	**113047**	.38	3.056		TL-1	1/2	1-1/8	0.32	2.88	0.88	0
60	TL60XL037-1210	**113048**	.38	3.820		TL-1	1/2	1-1/4	0.44	3.50	1.00	0
72	TL72XL037-1610	**113049**	.50	4.584		TL-1	1/2	1-11/16	0.44	4.00	1.00	0

L050 - 3/8" Pitch (.5" Wide Belt)

F=0.75"

No. of Teeth	Description ◊	Part No.	Wt	Pitch Dia. (P.D.)	Max. Flg. O.D.	Type †	Brushed Bore Range Min.	Brushed Bore Range Max.	Dimensions E	Dimensions H	Dimensions L	Dimensions M
18	TL18L050-1108	**113575**	.45	2.149	2.39	CF-1	1/2	1-1/8	.13	1.63	.88	0
20	TL20L050-1108	**113581**	.68	2.387	2.63	CF-1	1/2	1-1/8	.13	1.81	.88	0
21	TL21L050-1108	**113399**	.80	2.507	2.87	CF-1	1/2	1-1/8	.13	2.00	.88	0
22	TL22L050-1108	**113588**	.90	2.626	2.87	CF-1	1/2	1-1/8	.13	2.06	.88	0
24	TL24L050-1210	**113464**	1.0	2.865	3.11	CF-1	1/2	1-1/4	.25	2.25	1.00	0
26	TL26L050-1210	**113466**	1.2	3.104	3.34	CF-1	1/2	1-1/4	.25	2.56	1.00	0
28	TL28L050-1210	**113468**	1.4	3.342	3.58	CF-1	1/2	1-1/4	.25	2.75	1.00	0
30	TL30L050-1610	**113470**	1.5	3.581	3.83	CF-1	1/2	1-11/16	.25	2.88	1.00	0
32	TL32L050-1610	**113472**	1.9	3.820	4.06	CF-1	1/2	1-11/16	.25	3.06	1.00	0
40	TL40L050-2012	**113478**	2.4	4.775	5.02	CF-1	1/2	2-1/8	.50	3.94	1.25	0
48	TL48L050-2012	**113484**	3.2	5.730	6.02	CF-1	1/2	2-1/8	.50	3.94	1.25	0
60	TL60L050-2012	**113485**	4.9	7.162		C-2	1/2	2-1/8	.25	4.38	1.25	.25
72	TL72L050-2012	**113486**	6.5	8.594	None	C-2	1/2	2-1/8	.25	4.38	1.25	.25
84	TL84L050-2517	**113487**	7.8	10.027		C-2	1/2	2-11/16	.50	4.38	1.75	.50

† Dash 1 = Block, 2 = Web, 3 = Arm. (See page PT10-3, V-Drives Section) Letter "F" indicates pulley is flanged.

◊ See page PT10-8 - PT10-10 for MPB sizes.

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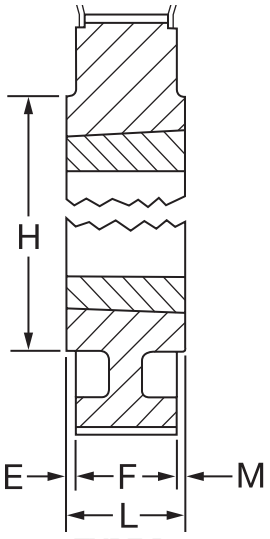
SPECIFICATIONS

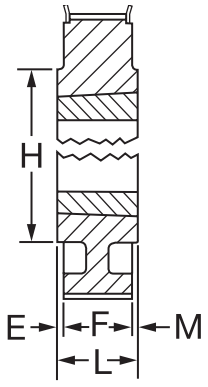
DYNA-SYNC Pulleys - L PITCH

TYPE DF



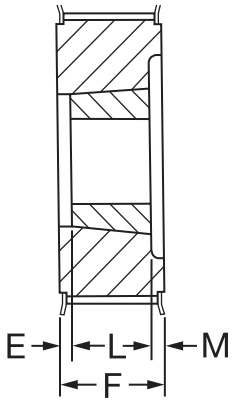
TYPE D

TYPE CF



TYPE C

TYPE KF



L075 - 3/8" Pitch (.75" Wide Belt) F=1.00"

No. of Teeth	Description ◊	Part No.	Wt	Pitch Dia. (P.D.)	Max. Flg. O.D.	Type †	Brushed Bore Range Min.	Brushed Bore Range Max.	Dimensions E	Dimensions H	Dimensions L	Dimensions M
18	TL18L075-1108	**113589**	.45	2.149	2.39	KF-1	1/2	1-1/8	.06	....	.88	.06
20	TL20L075-1108	**113594**	.68	2.387	2.63	KF-1	1/2	1-1/8	.06	....	.88	.06
22	TL22L075-1108	**113595**	.90	2.626	2.87	KF-1	1/2	1-1/8	.06	....	.88	.06
24	TL24L075-1210	**113513**	1.0	2.865	3.11	KF-1	1/2	1-1/4	0	....	1.00	....
26	TL26L075-1210	**113515**	1.2	3.104	3.34	KF-1	1/2	1-1/4	0	....	1.00	....
28	TL28L075-1610	**113517**	1.2	3.342	3.58	KF-1	1/2	1-11/16	0	....	1.00	....
30	TL30L075-1610	**113519**	1.5	3.581	3.83	KF-1	1/2	1-11/16	0	....	1.00	....
32	TL32L075-1610	**113521**	1.9	3.820	4.06	KF-1	1/2	1-11/16	0	....	1.00	....
40	TL40L075-2012	**113527**	2.4	4.775	5.02	CF-1	1/2	2-1/8	.25	3.94	1.25	0
48	TL48L075-2012	**113533**	3.2	5.730	6.02	CF-1	1/2	2-1/8	.25	3.94	1.25	0
60	TL60L075-2012	**113534**	4.9	7.162	**None**	C-2	1/2	2-1/8	.13	4.38	1.25	.13
72	TL72L075-2012	**113535**	6.5	8.594		C-1	1/2	2-1/8	.13	4.38	1.25	.13
84	TL84L075-2517	**113536**	7.8	10.027		C-1	1/2	2-11/16	.25	4.88	1.75	.50

L100 - 3/8" Pitch (1" Wide Belt) F=1.25"

No. of Teeth	Description ◊	Part No.	Wt	Pitch Dia. (P.D.)	Max. Flg. O.D.	Type †	Brushed Bore Range Min.	Brushed Bore Range Max.	Dimensions E	Dimensions H	Dimensions L	Dimensions M
18	TL18L100-1108	**113599**	.7	2.149	2.39	KF-1	1/2	1-1/8	.06	...	.87	.31
20	TL20L100-1108	**113641**	1.0	2.387	2.63	KF-1	1/2	1-1/8	.06	...	.87	.31
22	TL22L100-1108	**113669**	1.3	2.626	2.87	KF-1	1/2	1-1/8	.06	...	.87	.31
24	TL24L100-1210	**113562**	1.3	2.865	3.11	KF-1	1/2	1-1/4	.06	...	1	.19
26	TL26L100-1210	**113564**	1.7	3.104	3.34	KF-1	1/2	1-1/4	.06	...	1	.19
28	TL28L100-1610	**113566**	1.7	3.342	3.58	KF-1	1/2	1-11/16	.11	...	1	.15
30	TL30L100-1610	**113568**	2.2	3.581	3.83	KF-1	1/2	1-11/16	.11	...	1	.15
32	TL32L100-1610	**113570**	2.7	3.820	4.06	KF-1	1/2	1-11/16	.25	...	1	0
40	TL40L100-2012	**113576**	3.6	4.775	5.02	KF-1	1/2	2-1/8	0	...	1.25	....
48	TL48L100-2012	**113582**	5.1	5.730	6.02	KF-1	1/2	2-1/8	0	...	1.25	....
60	TL60L100-2012	**113583**	6.0	7.162		C-2	1/2	2-1/8	0	4.38	1.25	
72	TL72L100-2012	**113584**	8.0	8.594	**None**	C-2	1/2	2-1/8	0	4.38	1.25	....
84	TL84L100-2517	**113585**	9.2	10.027		C-1	1/2	2-11/16	.55	4.88	1.75	....

† Dash 1 = Block, 2 = Web, 3 = Arm.. (See page PT10-3, V-Drives Seciton) Letter "F" indicates pulley is flanged.

◊ See page PT10-8 - PT10-10 for MPB sizes.

DYNA-SYNC Pulleys - L, H

† **Dash 1 = Block, 2 = Web, 3 = Arm**
Letter "F" indicates pulley is flanged

\+ Available from stock in Min. Plain Bore (MPB) only
Max. bore is without keyway. (If keyway is used, reduce max bore listed by twice the keyway depth.)

◊ See page PT10-9 for additional MPB sizes

H100 - 1/2" Pitch (1" Wide Belt) (for H075 & H100 Belts) F=1.32"

No. of Teeth	Description ◊	Part No.	Wt.	Pitch Dia. (P.D.)	Max. Flg. O.D.	Type †	Bore Range		Dimensions			
							Min.	Max.	E	H	L	M
14	TL14H100-1108	**113678**	.8	2.228	2.48	KF-1	1/2	1-1/8	.06	....	.88	.42
16	TL16H100-1108	**113684**	1.3	2.546	2.80	KF-1	1/2	1-1/8	.06	....	.88	.42
18	TL18H100-1210	**113605**	1.2	2.865	3.11	KF-1	1/2	1-1/4	.06	....	1	.25
20	TL20H100-1210	**113608**	1.7	3.183	3.44	KF-1	1/2	1-1/4	.11	....	1	.25
22	TL22H100-1610	**113611**	1.8	3.501	3.75	KF-1	1/2	1-11/16	.11	....	1	.25
24	TL24H100-1610	**113642**	2.3	3.820	4.02	KF-1	1/2	1-11/16	.11	....	1	.25
26	TL26H100-2012	**113615**	2.2	4.138	4.39	KF-1	1/2	2-1/8	.06	....	1.25	0
28	TL28H100-2012	**113617**	2.8	4.456	4.70	KF-1	1/2	2-1/8	.06	....	1.25	0
30	TL30H100-2012	**113620**	4.2	4.775	5.02	KF-1	1/2	2-1/8	.06	....	1.25	0
32	TL32H100-2517	**113623**	4.1	5.093	5.33	CF-1	1/2	2-11/16	.44	4.44	1.75	0
40	TL40H100-2517	**113629**	7.8	6.366	6.58	CF-1	1/2	2-11/16	.44	4.44	1.75	0
48	TL48H100-2517	**113635**	12.1	7.639	8.02	CF-1	1/2	2-11/16	.44	4.44	1.75	0
60	TL60H100-3020	**113636**	10.3	9.549		C-2	7/8	3-1/4	.34	6.25	2	.34
72	TL72H100-3020	**113637**	14	11.459		C-1	7/8	3-1/4	.34	6.25	2	.34
84	TL84H100-3020	**113638**	20	13.369	**None**	C-2	7/8	3-1/4	.34	6.25	2	.34
96	TL96H100-3020	**113639**	27	15.279		C-2	7/8	3-1/4	.34	6.25	2	.34
120	TL120H100-3020	**113640**	38	19.099		C-3	7/8	3-1/4	0	6.25	2	.59

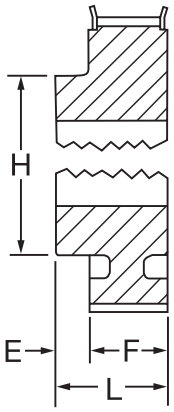
H150 - 1/2" Pitch (1.5" Wide Belt) F=1.86"

No. of Teeth	Description ◊	Part No.	Wt.	Pitch Dia. (P.D.)	Max. Flg. O.D.	Type †	Bore Range		Dimensions			
							Min.	Max.	E	H	L	M
14	TL14H150-1108	**113691**	1.0	2.228	2.48	KF-1	1/2	1	.47	....	.88	.88
16	TL16H150-1108	**113692**	1.5	2.546	2.80	KF-1	1/2	1	.47	....	.88	.88
18	TL18H150-1210	**113693**	1.6	2.865	3.11	KF-1	1/2	1-1/4	.11	....	1	.75
20	TL20H150-1210	**113694**	2.2	3.183	3.44	KF-1	1/2	1-1/4	.11	....	1	.75
22	TL22H150-1610	**113695**	2.5	3.501	3.75	KF-1	1/2	1-11/16	.11	....	1	.75
24	TL24H150-2012	**113663**	2.2	3.820	4.06	KF-1	1/2	2-1/8	.56	....	1.25	0
26	TL26H150-2012	**113665**	3.2	4.138	4.78	KF-1	1/2	2-1/8	.56	....	1.25	0
28	TL28H150-2012	**113667**	4.1	4.456	4.70	KF-1	1/2	2-1/8	.56	....	1.25	0
30	TL30H150-2012	**113670**	5.1	4.775	5.02	KF-1	1/2	2-1/8	.56	....	1.25	0
32	TL32H150-2517	**113673**	4.6	5.093	5.33	KF-1	1/2	2-11/16	.11	....	1.75	0
40	TL40H150-2517	**113679**	8.6	6.366	6.58	KF-1	1/2	2-11/16	.11	....	1.75	0
48	TL48H150-2517	**113685**	13.6	7.639	8.02	AF-2	1/2	2-11/16	0	....	1.75	.06
60	TL60H150-3020	**113686**	12.3	9.549		C-2	7/8	3-1/4	.09	6.25	2	.09
72	TL72H150-3020	**113687**	17.0	11.459		C-2	7/8	3-1/4	.09	6.25	2	.09
84	TL84H150-3020	**113688**	21.5	13.369	**None**	C-3	7/8	3-1/4	.09	6.25	2	.09
96	TL96H150-3020	**113689**	31	15.279		C-3	7/8	3-15/16	.09	6.25	2	.09
120	TL120H150-3020	**113690**	40	19.099		C-3	7/8	3-1/4	.09	6.25	2	.09

SPECIFICATIONS

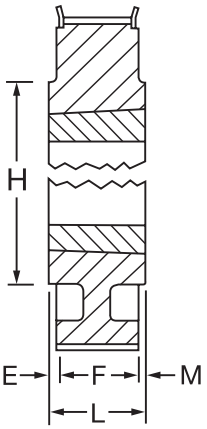
DYNA-SYNC Pulleys - H

TYPE DF

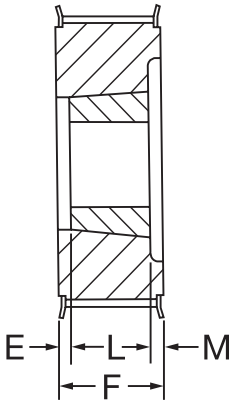


TYPE D

TYPE CF

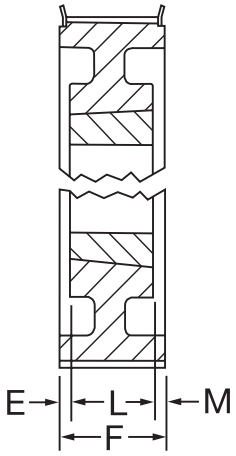


TYPE C



TYPE KF

TYPE AF



TYPE A

H200 - 1/2" Pitch (2" Wide Belt) F=2.34"

No. of Teeth	Description ◊	Part No.	Wt.	Pitch Dia. (P.D.)	Max. Flg. O.D.	Type †	Bore Range Min.	Bore Range Max.	Dimensions E	Dimensions H	Dimensions L	Dimensions M
16	TL16H200-1108	**113072**	1.9	2.546	2.80	KF-1	1/2	1-1/8	.75	0	.88	.72
18	TL18H200-1215	**113704**	1.8	2.865	3.11	KF-1	1/2	1-1/4	.44	0	1.5	.41
20	TL20H200-1215	**113707**	2.6	3.183	3.44	KF-1	1/2	1-1/4	.42	0	1.5	.42
22	TL22H200-1615	**113710**	28	3.501	3.75	KF-1	1/2	1-5/8	.42	0	1.5	.42
24	TL24H200-2012	**113712**	2.6	3.820	4.06	KF-1	1/2	2	.55	0	1.25	.55
26	TL26H200-2012	**113714**	3.6	4.138	4.78	KF-1	1/2	2	.55	0	1.25	.55
28	TL28H200-2012	**113716**	5.1	4.456	4.70	KF-1	1/2	2	.55	0	1.25	.55
30	TL30H200-2012	**113719**	7.0	4.775	5.02	KF-1	1/2	2	1.09	0	1.25	0
32	TL32H200-2517	**113722**	5.5	5.093	5.33	KF-1	1/2	2-1/2	.59	0	1.75	0
40	TL40H200-2517	**113728**	9.9	6.366	6.58	KF-1	1/2	2-1/2	.59	0	1.75	0
48	TL48H200-3020	**113734**	14.3	7.639	8.02	KF-1	7/8	3	.41	0	2	0
60	TL60H200-3020	**113735**	15.3	9.549		A-2	7/8	3	.17	0	2	.17
72	TL72H200-3020	**113736**	21	11.459		A-2	7/8	3-1/4	0	0	2	.34
84	TL84H200-3020	**113737**	23	13.369	**None**	A-3	7/8	3-1/4	0	0	2	.34
96	TL96H200-3535	**113738**	34	15.279		C-3	1-3/16	3-15/16	.40	7.0	3.5	.75
120	TL120H200-3020	**113739**	42	19.099		A-3	7/8	3-1/4	0	0	2	.34

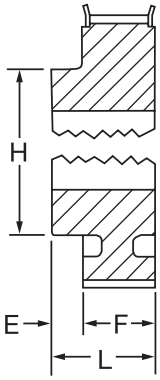
H300 - 1/2" Pitch (3" Wide Belt) F=3.38"

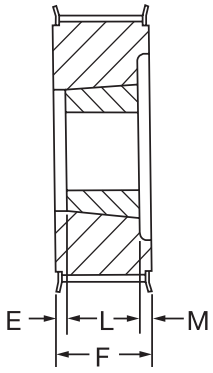
No. of Teeth	Description ◊	Part No.	Wt	Pitch Dia. (P.D.)	Max. Flg. O.D.	Type †	Brushed Bore Range Min.	Brushed Bore Range Max.	Dimensions E	Dimensions H	Dimensions L	Dimensions M
16	TL16H300-1108	**113073**	2.5	2.546	2.80	KF-1	1/2	1-1/8	1.28	0	.87	1.23
18	TL18H300-1215	**113752**	2.6	2.865	3.11	KF-1	1/2	1-1/4	.94	0	1.5	.94
20	TL20H300-1215	**113755**	3.9	3.183	3.44	KF-1	1/2	1-1/4	.94	0	1.5	.94
22	TL22H300-1615	**113758**	4.0	3.501	3.75	KF-1	1/2	1-11/16	.94	0	1.5	.94
24	TL24H300-2012	**113760**	4.3	3.820	4.06	KF-1	1/2	2-1/8	1.06	0	1.25	1.06
26	TL26H300-2012	**113762**	5.4	4.138	4.78	KF-1	1/2	2-1/8	1.06	0	1.25	1.06
28	TL28H300-2012	**113764**	6.8	4.456	4.70	KF-1	1/2	2-1/8	1.06	0	1.25	1.06
30	TL30H300-2012	**113767**	7.5	4.775	5.02	KF-1	1/2	2-1/8	1.06	0	1.25	1.06
32	TL32H300-2517	**113770**	7.4	5.093	5.33	KF-1	1/2	2-11/16	.81	0	1.75	.81
40	TL40H300-2517	**113776**	12.1	6.366	6.58	KF-1	1/2	2-11/16	.81	0	1.75	.81
48	TL48H300-3020	**113782**	16.3	7.639	8.02	KF-1	7/8	3-1/4	.69	0	2	.69
60	TL60H300-3020	**113783**	17.3	9.549		A-2	7/8	3-1/4	.69	0	2	.69
72	TL72H300-3020	**113784**	23	11.459		A-2	7/8	3-1/4	.31	0	2	1.06
84	TL84H300-3020	**113785**	30	13.369	**None**	A-3	7/8	3-1/4	.69	0	2	.69
96	TL96H300-3535	**113786**	38	15.279		C-3	1-3/16	3-15/16	.06	0	3.5	.06
120	TL120H300-3535	**113787**	51	19.099		C-3	1-3/16	3-15/16	.125	7.0	3.5	0

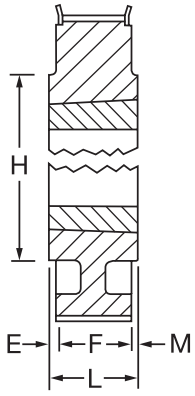
† Dash 1 = Block, 2 = Web, 3 = Arm. Letter "F" indicates pulley is flanged. ◊ See page PT10-8 - PT10-10 for MPB sizes.

FEATURES/BENEFITS PAGE PT10-2 | SPECIFICATIONS PAGE PT10-3 | SELECTION PAGE PT10-14 | ENGINEERING/TECHNICAL PAGE PT10-44

DYNA-SYNC Pulleys - XH







XH200 - 7/8" Pitch (2" Wide Belt)

F=2.56"

No. of Teeth	Description ◊	Part No.	Wt.	Pitch Dia. (P.D.)	Max. Flg. O.D.	Type †	Bore Range		Dimensions			
							Min.	Max.	E	H	L	M
18	TL18XH200-2012	**113074**	12	5.013	5.58	KF-1	1/2	2-1/8	.84	...	1.25	.47
20	TL20XH200-2012	**113120**	16	5.570	6.11	KF-1	1/2	2-1/8	.84	...	1.25	.47
22	TL22XH200-2517	**113804**	10.6	6.127	6.59	KF-1	1/2	2-11/16	.81	....	1.75	0
24	TL24XH200-3020	**113807**	11.3	6.685	7.28	KF-1	7/8	3-1/4	.56	....	2.0	0
26	TL26XH200-3020	**113810**	13.3	7.241	7.78	KF-1	7/8	3-1/4	.56	....	2.0	0
28	TL28XH200-3535	**113813**	13.5	7.799	8.27	CF-1	1-3/16	3-15/16	.94	6.50	3.5	0
30	TL30XH200-3535	**113816**	18.5	8.356	9.31	CF-1	1-3/16	3-15/16	.94	6.50	3.5	0
32	TL32XH200-3535	**113819**	21.5	8.913	9.52	CF-1	1-3/16	3-15/16	.94	6.50	3.5	0
40	TL40XH200-4040	**113822**	37.5	11.141	11.80	CF-1	1-7/16	4-7/16	1.44	8.50	4.0	0
48	TL48XH200-4040	**113823**	44.5	13.369	**None**	C-2	1-7/16	4-7/16	.72	8.50	4.0	.72
60	TL60XH200-4040	**113824**	47	16.711		C-3	1-7/16	4-7/16	.72	8.50	4.0	.72

XH300 - 7/8" Pitch (3" Wide Belt)

F=3.63"

No. of Teeth	Description ◊	Part No.	Wt.	Pitch Dia. (P.D.)	Max. Flg. O.D.	Type †	Bore Range		Dimensions			
							Min.	Max.	E	H	L	M
18	TL18XH300-2012	**113121**	15	5.013	5.58	KF-1	1/2	2-1/8	1.38	...	1.25	1.0
20	TL20XH300-2012	**113122**	19	5.570	6.11	KF-1	1/2	2-1/8	1.38	...	1.25	1.0
22	TL22XH300-2517	**113854**	13.6	6.127	6.59	KF-1	1/2	2-11/16	.94	....	1.75	.94
24	TL24XH300-3020	**113857**	15.3	6.685	7.28	KF-1	7/8	3-1/4	.81	....	2.0	.81
26	TL26XH300-3020	**113860**	17.3	7.241	7.78	KF-1	7/8	3-1/4	.81	....	2.0	.81
28	TL28XH300-3535	**113863**	17.3	7.799	8.27	KF-1	1-3/16	3-15/16	.13	....	3.5	....
30	TL30XH300-3535	**113866**	22.5	8.356	9.31	KF-1	1-3/16	3-15/16	.13	....	3.5	....
32	TL32XH300-3535	**113869**	26.5	8.913	9.52	KF-1	1-3/16	3-15/16	.13	....	3.5	....
40	TL40XH300-4040	**113872**	43.5	11.141	11.80	CF-1	1-7/16	4-7/16	.38	7.50	4.0	....
48	TL48XH300-4040	**113873**	51.5	13.369	**None**	C-1	1-7/16	4-7/16	.19	8.50	4.0	.19
60	TL60XH300-4040	**113874**	55.5	16.711		C-3	1-7/16	4-7/16	.19	8.50	4.0	.19

† Dash 1 = Block, 2 = Web, 3 = Arm. (See page PT10-3, V-Drives Seciton) Letter "F" indicates pulley is flanged.

XXH Pullley Note: Discontinued Product. Recommend that drive be redesigned to HT100 or HT150. Refer to HT section of this catalog.

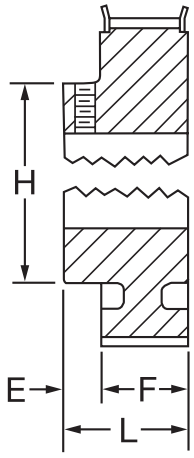
V-Drives
FHP Drives
Drive Component Accessories
DYNA-SYNC
HT200/HTD Synchronous Drives
HT500 Synchronous Drives
Roller Chain Sprockets

SPECIFICATIONS

DYNA-SYNC Pulleys - XL037

Minimum Plain Bore

TYPE DF



TYPE DF
Minimum Plain Bore

XL037 - 1/5" Pitch (.375" Wide Belt) - Minimun Plain Bore

F = 0.56"

No of Teeth	Description	Part Number	Approx. Weight	Pitch Dia (PD)	Flg O.D.	Type	Stock Bore *	Max Bore *	Dimension		
									H	L	E
10	10XL037-MPB	**114300**	.08	0.637	.88	DF-1	3/16	3/16	.44	.81	.25
11	11XL037-MPB	**113401**	.09	0.700	.94	DF-1	3/16	3/16	.50	.81	.25
12	12XL037-MPB	**113402**	.10	0.764	1.00	DF-1	3/16	1/2	.50	.81	.25
14	14XL037-MPB	**113403**	.13	0.891	1.03	DF-1	1/4	1/4	.56	.81	.25
15	15XL037-MPB	**113404**	.14	0.955	1.19	DF-1	1/4	5/16	.63	.81	.25
16	16XL037-MPB	**113405**	.17	1.019	1.25	DF-1	1/4	3/8	.69	.81	.25
18	18XL037-MPB	**113406**	.20	1.146	1.38	DF-1	1/4	1/2	.81	.81	.25
20	20XL037-MPB	**113407**	.25	1.273	1.50	DF-1	1/4	9/16	.94	.88	.32
21	21XL037-MPB	**113408**	.26	1.337	1.56	DF-1	1/4	9/16	1.00	.88	.32
22	22XL037-MPB	**113409**	.30	1.401	1.63	DF-1	1/4	5/8	1.00	.88	.32
24	24XL037-MPB	**113410**	.35	1.528	1.75	DF-1	1/4	11/16	1.06	.91	.35
28	28XL037-MPB	**113411**	.46	1.783	2.00	DF-1	1/4	13/16	1.19	.91	.35
30	30XL037-MPB	**113412**	.55	1.910	2.13	DF-1	5/16	15/16	1.31	.91	.35
32	32XL037-MPB	• **113413**	.71	2.037	---	D-1	5/16	1-3/16	1.50	1.00	.44
36	36XL037-MPB	• **113414**	.85	2.292	---	D-1	5/16	1-3/16	1.50	1.00	.44
40	40XL037-MPB	• **113415**	.99	2.546	---	D-1	5/16	1-3/16	1.50	1.00	.44
42	42XL037-MPB	• **113416**	1.09	2.674	---	D-1	5/16	1-3/16	1.50	1.00	.44
44	44XL037-MPB	• **113417**	1.17	2.801	---	D-1	5/16	1-3/16	1.50	1.00	.44
48	48XL037-MPB	• **113418**	1.19	3.056	---	D-1	5/16	1-3/16	1.50	1.00	.44
60	60XL037-MPB	• **113419**	2.02	3.820	---	D-2	3/8	1-3/16	1.50	1.00	.44
72	72XL037-MPB	• **113420**	2.81	4.584	---	D-2	3/8	1-3/16	1.50	1.00	.44

NOTE: Above pulleys are supplied with two (2) set screws at 90 deg.
Max. bore is without keyway. (if keyway is used, reduce max bore by twice the keyway depth.)

* Standard keyways are listed on page PT1-83

• Aluminum

DYNA-SYNC Pulleys - Reborable

Minimum Plain Bore

L050 - 3/8" Pitch (.5" Wide Belt) - Minimun Plain Bore — F = 0.75"

No of Teeth	Description	Part Number	Approx. Weight	Pitch Dia (PD)	Flg O.D.	Type	Stock Bore	Max Bore	Dimension		
									H	L	E
10	10L050-MPB	**113450**	.26	1.194	1.44	DF-1	3/8	1/2	.81	1.25	.50
12	12L050-MPB	**113451**	.38	1.432	1.66	DF-1	3/8	3/4	1.00	1.25	.50
13	13L050-MPB	**114441**	.50	1.552	1.78	DF-1	3/8	3/4	1.13	1.25	.50
14	14L050-MPB	**113452**	.55	1.671	1.91	DF-1	3/8	3/4	1.13	1.25	.50
15	15L050-MPB	**114442**	.66	2.030	2.03	DF-1	1/2	7/8	1.34	1.25	.50
16	16L050-MPB	**113453**	.69	1.790	2.13	DF-1	1/2	1	1.44	1.25	.50
17	17L050-MPB	**114301**	.84	1.910	2.25	DF-1	1/2	1	1.44	1.25	.50
18	18L050-MPB	**114302**	.87	2.149	2.38	DF-1	1/2	1	1.56	1.25	.50
19	19L050-MPB	**114303**	1.11	2.268	2.50	DF-1	1/2	1	1.69	1.25	.50
20	20L050-MPB	**114304**	1.20	2.378	2.63	DF-1	1/2	1	1.69	1.25	.50
21	21L050-MPB	**114305**	1.41	2.507	2.75	DF-1	1/2	1-1/4	2.00	1.25	.50
22	22L050-MPB	**114306**	1.50	2.626	2.88	DF-1	1/2	1-1/4	2.00	1.25	.50
24	24L050-MPB	**114307**	1.80	2.865	3.09	DF-1	1/2	1-3/8	2.25	1.25	.50
26	26L050-MPB	**114308**	2.07	3.104	3.33	DF-1	1/2	1-3/8	2.25	1.25	.50
28	28L050-MPB	**114309**	2.33	3.342	3.57	DF-1	1/2	1-3/8	2.25	1.25	.50
30	30L050-MPB	**114310**	2.58	3.581	3.80	DF-1	1/2	1-3/8	2.25	1.25	.50
32	32L050-MPB	**114311**	3.13	3.820	4.04	DF-1	1/2	1-5/8	2.63	1.25	.50
36	36L050-MPB	**114443**	4.39	4.297	4.52	DF-1	1/2	2-5/16	3.50	1.25	.50
40	40L050-MPB	**114444**	5.16	4.775	5.00	DF-1	1/2	2-3/8	3.63	1.25	.50

L075 - 3/8" Pitch (.75" Wide Belt) - Minimun Plain Bore — F = 1.00"

12	12L075-MPB	**113500**	.46	1.432	1.66	DF-1	3/8	1/2	1.00	1.50	.50
13	13L075-MPB	**114445**	.62	1.552	1.78	DF-1	3/8	3/4	1.13	1.50	.50
14	14L075-MPB	**113501**	.69	1.671	1.91	DF-1	3/8	3/4	1.13	1.50	.50
15	15L075-MPB	**114446**	.81	1.790	2.03	DF-1	1/2	7/8	1.34	1.50	.50
16	16L075-MPB	**113502**	.84	1.910	2.13	DF-1	1/2	1	1.44	1.50	.50
17	17L075-MPB	**114312**	1.03	2.029	2.25	DF-1	1/2	1	1.44	1.50	.50
18	18L075-MPB	**114313**	1.17	2.149	2.38	DF-1	1/2	1	1.56	1.50	.50
19	19L075-MPB	**114314**	1.32	2.268	2.50	DF-1	1/2	1	1.69	1.50	.50
20	20L075-MPB	**114315**	1.44	2.387	2.63	DF-1	1/2	1-1/4	1.69	1.50	.50
21	21L075-MPB	**114316**	1.68	2.507	2.75	DF-1	5/8	1-1/4	2.00	1.50	.50
22	22L075-MPB	**114317**	1.79	2.626	2.88	DF-1	5/8	1-3/8	2.00	1.50	.50
24	24L075-MPB	**114318**	2.22	2.865	3.09	DF-1	5/8	1-3/8	2.25	1.50	.50
26	26L075-MPB	**114319**	2.48	3.104	3.33	DF-1	5/8	1-3/8	2.25	1.50	.50
28	28L075-MPB	**114320**	2.84	3.342	3.57	DF-1	5/8	1-3/8	2.25	1.50	.50
30	30L075-MPB	**114321**	3.24	3.581	3.80	DF-1	5/8	1-3/8	2.25	1.50	.50
32	32L075-MPB	**114322**	3.77	3.820	4.04	DF-1	5/8	1-5/8	2.63	1.50	.50
36	36L075-MPB	**114447**	5.33	4.297	4.52	DF-1	5/8	2-5/16	3.50	1.50	.50
40	40L075-MPB	**114448**	6.31	4.775	5.00	DF-1	5/8	2-3/8	3.63	1.50	.50

L100 - 3/8" Pitch (1" Wide Belt) - Minimun Plain Bore — F = 1.25"

13	13L100- MPB	**114449**	.72	1.552	1.78	DF-1	3/8	3/4	1.13	1.75	.50
14	14L100- MPB	**113550**	.82	1.671	1.91	DF-1	3/8	3/4	1.13	1.75	.50
15	15L100- MPB	**114450**	.96	1.790	2.03	DF-1	1/2	7/8	1.34	1.75	.50
16	16L100- MPB	**113551**	.98	1.910	2.13	DF-1	1/2	1	1.44	1.75	.50
17	17L100- MPB	**114323**	1.23	2.029	2.25	DF-1	1/2	1	1.44	1.75	.50
18	18L100- MPB	**114324**	1.38	2.149	2.38	DF-1	1/2	1	1.56	1.75	.50
19	19L100- MPB	**114325**	1.56	2.268	2.50	DF-1	1/2	1	1.69	1.75	.50
20	20L100- MPB	**114326**	1.71	2.387	2.63	DF-1	1/2	1	1.69	1.75	.50
21	21L100- MPB	**114327**	1.97	2.507	2.75	DF-1	5/8	1-1/4	2.00	1.75	.50
22	22L100- MPB	**114328**	2.13	2.626	2.88	DF-1	5/8	1-1/4	2.00	1.75	.50
24	24L100- MPB	**114329**	2.60	2.865	3.09	DF-1	5/8	1-3/8	2.25	1.75	.50
26	26L100- MPB	**114330**	3.12	3.104	3.33	DF-1	5/8	1-5/8	2.44	1.75	.50
28	28L100- MPB	**114331**	3.65	3.342	3.57	DF-1	5/8	1-3/4	2.69	1.75	.50
30	30L100- MPB	**114332**	4.19	3.581	3.80	DF-1	5/8	1-7/8	2.81	1.75	.50
32	32L100- MPB	**114333**	4.86	3.820	4.04	DF-1	5/8	2	3.13	1.75	.50
36	36L100- MPB	**114451**	6.24	4.297	4.52	DF-1	5/8	2-5/16	3.50	1.75	.50
40	40L100- MPB	**114452**	7.52	4.775	5.00	DF-1	5/8	2-5/16	3.63	1.75	.50

NOTE: Available from stock in Min. Plain Bore (MPB) only.
Max. bore is without keyway. (if keyway is used, reduce max bore by twice the keyway depth.)

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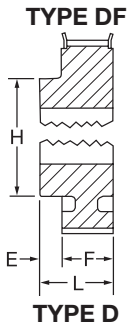
SPECIFICATIONS

DYNA-SYNC Pulleys - Reborable
Minimum Plain Bore



H100 - 1/2" Pitch (1" Wide Belt) - Minimun Plain Bore — F = 1.25"

No of Teeth	Description	Part Number	Approx Weight	Pitch Dia (PD)	Flg O.D.	Type	Stock Bore	Max Bore	Dimension H	Dimension L	Dimension E
14	14H100-MPB	**114334**	1.48	2.228	2.46	DF-1	5/8	7/8	1.63	1.88	.63
16	16H100-MPB	**114335**	2.12	2.546	2.78	DF-1	5/8	1-1/8	1.88	2.00	.75
17	17H100-MPB	**114453**	2.42	2.706	2.94	DF-1	5/8	1-1/4	2.00	2.00	.75
18	18H100-MPB	**114336**	2.86	2.865	3.10	DF-1	5/8	1-3/8	2.25	2.00	.75
19	19H100-MPB	**114337**	3.21	3.024	3.26	DF-1	5/8	1-1/2	2.38	2.00	.75
20	20H100-MPB	**114338**	3.68	3.183	3.42	DF-1	5/8	1-5/8	2.50	2.13	.88
21	21H100-MPB	**114339**	4.08	3.342	3.57	DF-1	3/4	1-11/16	2.63	2.13	.88
22	22H100-MPB	**114340**	4.67	3.501	3.74	DF-1	3/4	1-3/4	2.75	2.25	1.00
24	24H100-MPB	**114341**	5.60	3.820	4.05	DF-1	3/4	1-7/8	3.00	2.25	1.00
26	26H100-MPB	**114342**	7.16	4.138	4.37	DF-1	3/4	2-1/4	3.38	2.38	1.13
28	28H100-MPB	**114343**	8.15	4.456	4.69	DF-1	3/4	2-5/16	3.50	2.38	1.13
30	30H100-MPB	**114454**	9.15	4.775	5.01	DF-1	3/4	2-3/8	3.63	2.38	1.13

H150 - 1/2" Pitch (1.5" Wide Belt) - Minimum Plain Bore — F = 1.75"

14	14H150-MPB	**114344**	1.85	2.228	2.46	DF-1	3/4	7/8	1.63	2.38	.63
16	16H150-MPB	**114345**	2.63	2.546	2.78	DF-1	3/4	1-1/8	1.88	2.50	.75
17	17H150-MPB	**114455**	3.06	2.706	2.94	DF-1	3/4	1-1/4	2.00	2.50	.75
18	18H150-MPB	**114346**	3.55	2.865	3.10	DF-1	3/4	1-3/8	2.25	2.50	.75
19	19H150-MPB	**114347**	4.01	3.024	3.26	DF-1	3/4	1-1/2	2.38	2.50	.75
20	20H150-MPB	**114348**	4.62	3.183	3.42	DF-1	3/4	1-5/8	2.50	2.63	.88
21	21H150-MPB	**114349**	5.15	3.342	3.57	DF-1	3/4	1-11/16	2.63	2.63	.88
22	22H150-MPB	**114350**	5.89	3.501	3.74	DF-1	3/4	1-3/4	2.75	2.75	1.00
24	24H150-MPB	**114351**	7.09	3.820	4.05	DF-1	3/4	1-7/8	3.00	2.75	1.00
26	26H150-MPB	**114352**	8.62	4.138	4.37	DF-1	3/4	2-1/4	3.38	2.75	1.00
28	28H150-MPB	**114353**	10.09	4.456	4.69	DF-1	3/4	2-5/16	3.50	2.88	1.13
30	30H150-MPB	**114456**	11.52	4.775	5.01	DF-1	3/4	2-3/8	3.63	2.88	1.13

H200 - 1/2" Pitch (2" Wide Belt) - Minimun Plain Bore — F = 2.28"

14	14H200-MPB	**114354**	2.35	2.228	2.44	DF-1	3/4	7/8	1.63	2.91	.63
16	16H200-MPB	**114355**	3.29	2.546	2.88	DF-1	3/4	1-1/8	1.88	3.03	.75
17	17H200-MPB	**114457**	3.77	2.706	3.00	DF-1	3/4	1-1/4	2.00	3.03	.75
18	18H200-MPB	**114356**	3.90	2.865	3.13	DF-1	3/4	1-3/8	2.25	3.03	.75
19	19H200-MPB	**114357**	3.90	3.024	3.38	DF-1	3/4	1-1/2	2.38	3.03	.75
20	20H200- MPB	**114358**	5.34	3.183	3.38	DF-1	3/4	1-5/8	2.50	3.16	.88
21	21H200-MPB	**114359**	6.10	3.342	3.63	DF-1	1	1-11/16	2.63	3.16	.88
22	22H200-MPB	**114360**	6.30	3.501	3.81	DF-1	1	1-3/4	2.75	3.28	1.00
24	24H200-MPB	**114361**	8.35	3.820	4.06	DF-1	1	1-7/8	3.00	3.28	1.00
26	26H200-MPB	**114362**	10.44	4.138	4.38	DF-1	1	2-1/4	3.38	3.41	1.13
28	28H200-MPB	**114363**	12.01	4.456	4.69	DF-1	1	2-5/16	3.50	4.44	2.16
30	30H200-MPB	**114458**	13.80	4.775	5.00	DF-1	1	2-3/8	3.63	4.44	2.16

H300 - 1/2" Pitch (3" Wide Belt) - Minimun Plain Bore — F = 3.31"

16	16H300-MPB	**114364**	4.54	2.546	2.88	DF-1	3/4	1-1/8	1.88	4.06	.75
17	17H300-MPB	**114459**	5.23	2.706	3.00	DF-1	3/4	1-1/4	2.00	4.06	.75
18	18H300-MPB	**114365**	6.00	2.865	3.13	DF-1	3/4	1-3/8	2.25	4.06	.75
19	19H300-MPB	**114366**	6.80	3.024	3.38	DF-1	3/4	1-1/2	2.35	4.06	.75
20	20H300-MPB	**114367**	7.69	3.183	3.38	DF-1	3/4	1-5/8	2.50	4.19	.88
21	21H300-MPB	**114368**	8.59	3.342	3.63	DF-1	1	1-11/16	2.66	4.19	.88
22	22H300-MPB	**114369**	9.00	3.501	3.81	DF-1	1	1-3/4	2.75	4.31	1.00
24	24H300-MPB	**114370**	11.01	3.820	4.06	DF-1	1-1/8	1-7/8	3.00	4.31	1.00
26	26H300-MPB	**114371**	13.60	4.138	4.38	DF-1	1-1/8	2-1/4	3.38	4.44	1.13
28	28H300-MPB	**114372**	15.60	4.456	4.69	DF-1	1-1/8	2-5/16	3.50	4.44	1.13
30	30H300-MPB	**114460**	18.11	4.775	5.00	DF-1	1-1/8	2-3/8	3.63	4.44	1.13

NOTE: Available from stock in Min. Plain Bore (MPB) only.
Max. bore is without keyway. (if keyway is used, reduce max bore by twice the keyway depth.)

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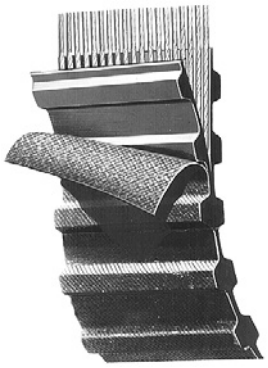
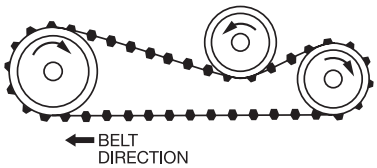
Dual DYNA-SYNC Belts



For Serpentine Drives

DXL Series Dual DYNA-SYNC Belts					DL Series Dual DYNA-SYNC Belts					
1/5" Pitch (XL)					3/8" Pitch (L)					
Belt Lgth.	XL025 (1/4" Wide)		XL037 (3/8" Wide)		Belt Lgth.	L050 (1/2" Wide)		L075 (3/4" Wide)		L100 (1" Wide)	
	Belt No.	Part No.	Belt No.	Part No.		Belt No.	Part No.	Belt No.	Part No.	Belt No.	Part No.
12.0	D120XL025	**110132**	D120XL037	**110133**	15.0	D150L050	**110187**	D150L075	**110158**	D150L100	**110189**
13.0	D130XL025	**110134**	D130XL037	**110135**	18.7	D187L050	**110190**	D187L075	**110191**	D187L100	**110192**
14.0	D140XL025	**110136**	D140XL037	**110137**	21.0	D210L050	**110193**	D210L075	**110194**	D210L100	**110195**
15.0	D150XL025	**110138**	D150XL037	**110139**	22.5	D225L050	**110196**	D225L075	**110197**	D255L100	**110198**
16.0	D160XL025	**110140**	D160XL037	**110141**	24.0	D240L050	**110199**	D240L075	**110200**	D240L100	**110201**
17.0	D170XL025	**110142**	D170XL037	**110143**	25.5	D255L050	**110202**	D255L075	**110203**	D255L100	**110204**
18.0	D180XL025	**110144**	D180XL037	**110145**	27.0	D270L050	**110205**	D270L075	**110206**	D270L100	**110207**
19.0	D190XL025	**110146**	D190XL037	**110147**	28.5	D285L050	**110208**	D285L075	**110209**	D285L100	**110210**
20.0	D200XL025	**110148**	D200XL037	**110149**	30.0	D300L050	**110211**	D300L075	**110212**	D300L100	**110213**
21.0	D210XL025	**110150**	D210XL037	**110151**	32.2	D322L050	**110214**	D322L075	**110215**	D322L100	**110216**
22.0	D220XL025	**110152**	D220XL037	**110153**	34.5	D345L050	**110217**	D345L075	**110218**	D345L100	**110219**
23.0	D230XL025	**110154**	D230XL037	**110155**	36.7	D367L050	**110220**	D367L075	**110221**	D367L100	**110222**
24.0	D240XL025	**110156**	D240XL037	**110157**	39.0	D390L050	**110223**	D390L075	**110224**	D390L100	**110225**
25.0	D250XL025	**110158**	D250XL037	**110159**	42.0	D420L050	**110226**	D420L075	**110227**	D420L100	**110228**
26.0	D260XL025	**110160**	D260XL037	**110161**	45.0	D450L050	**110229**	D450L075	**110230**	D450L100	**110231**
28.0	D280XL025	**110162**	D280XL037	**110163**	48.0	D480L050	**110232**	D460L075	**110233**	D480L100	**110234**
29.0	D290XL025	**110164**	D290XL037	**110165**	51.0	D510L050	**110235**	D510L075	**110236**	D510L100	**110237**
30.0	D300XL025	**110166**	D300XL037	**110167**	54.0	D540L050	**110238**	D540L075	**110239**	D540L100	**110240**
31.0	D310XL025	**110168**	D310XL037	**110169**	60.0	D600L050	**110241**	D600L075	**110242**	D600L100	**110243**
33.0	D330XL025	**110170**	D330XL037	**110171**	66.0	D660L050	**110244**	D660L075	**110245**	D660L100	**110246**
	Avg. Wt. .03Lb.		Avg. Wt. 0.5Lb.			Avg. Wt. .14Lb.		Avg. Wt. .21Lb.		Avg. Wt. .26Lb.	



DH Series Dual DYNA-SYNC Belts

1/2" Pitch (H)										
Belt Lgth.	H075 (3/4" Wide)		H100 (1" Wide)		H150 (1-1/2" Wide)		H200(2" Wide)		H300 (3" Wide)	
	Belt No.	Part No.	Belt No.	Part No.	Belt No.	Part No.	Belt No.	Part No.	Belt No.	Part No.
24.0	D240H075	**110247**	D240H100	**110248**	D240H150	**110249**	D240H200	**110250**	D240H300	**110251**
27.0	D270H075	**110252**	D270H100	**110253**	D270H150	**110254**	D270H200	**110255**	D270H300	**110256**
30.0	D300H075	**110257**	D300H100	**110258**	D300H150	**110259**	D300H200	**110260**	D300H300	**110261**
33.0	D330H075	**110262**	D330H100	**110263**	D330H150	**110264**	D330H220	**110565**	D330H300	**110266**
36.0	D360H075	**110267**	D360H100	**110268**	D360H150	**110269**	D360H200	**110270**	D360H300	**110271**
39.0	D390H075	**110272**	D390H100	**110273**	D390H150	**110274**	D390H200	**110275**	D390H300	**110276**
42.0	D420H075	**110277**	D420H100	**110278**	D420H150	**110279**	D420H200	**110280**	D420H300	**110281**
45.0	D450H075	**110282**	D450H100	**110283**	D450H150	**110284**	D450H200	**110285**	D450H300	**110269**
48.0	D480H075	**110287**	D480H100	**110288**	D480H150	**110289**	D480H200	**110290**	D480H300	**110291**
51.0	D510H075	**110292**	D510H100	**110293**	D510H150	**110294**	D510H200	**110295**	D510H300	**110296**
54.0	D540H075	**110297**	D540H100	**110298**	D540H150	**110299**	D540H220	**110300**	D540H300	**110301**
57.0	D570H075	**110302**	D570H100	**110303**	D570H150	**110304**	D570H200	**110305**	D570H300	**110306**
60.0	D600H075	**110307**	D600H100	**110308**	D600H150	**110309**	D600H200	**110310**	D600H300	**110311**
63.0	D630H075	**110312**	D630H100	**110313**	D630H150	**110314**	D630H200	**110315**	D630H300	**110316**
66.0	D660H075	**110317**	D660H100	**110318**	D660H150	**110319**	D660H200	**110320**	D660H300	**110321**
70.0	D700H075	**110322**	D700H100	**110323**	D700H150	**110324**	D700H200	**110325**	D700H300	**110326**
75.0	D750H075	**110327**	D750H100	**110328**	D750H150	**110329**	D750H200	**110330**	D750H300	**110331**
80.0	D800H075	**110332**	D800H100	**110333**	D800H150	**110334**	D800H200	**110335**	D800H300	**110336**
85.0	D850H075	**110337**	D850H100	**110338**	D850H150	**110339**	D850H200	**110340**	D850H300	**110341**
90.0	D900H075	**110342**	D900H100	**110343**	D900H150	**110344**	D900H200	**110345**	D900H300	**110346**
100.0	D1000H075	**110347**	D1000H100	**110348**	D1000H150	**110349**	D1000H200	**110350**	D1000H300	**110351**
110.0	D1100H075	**110352**	D1100H100	**110353**	D1100H150	**110354**	D1100H200	**110355**	D1100H300	**110356**
125.0	D1250H075	**110357**	D1250H100	**110358**	D1250H150	**110359**	D1250H200	**110360**	D1250H300	**110361**
140.0	D1400H075	**110362**	D1400H100	**110363**	D1400H150	**110364**	D1400H200	**110365**	D1400H300	**110366**
170.0	D1700H075	**110367**	D1700H100	**110368**	D1700H150	**110369**	D1700H200	**110370**	D1700H300	**110371**
	Avg. Wt. .35Lb.		Avg. Wt. .47Lb.		Avg. Wt. .70Lb.		Avg. Wt. .94Lb.		Avg. Wt. 1.41Lb.	

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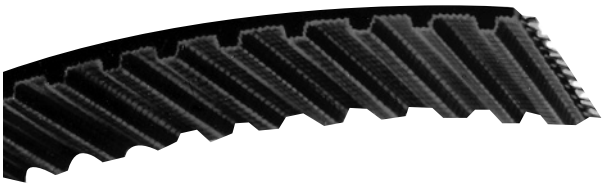
SPECIFICATIONS

DYNA-SYNC - Belts



XL Series DYNA-SYNC Belts

1/5" Pitch (XL)						
Belt Length	XL025 (1/4" Wide) Belt No.	Part No.	Wt.	XL037 (3/8" Wide) Belt No.	Part No.	Wt.
6.0	60XL025	**465335**	...	60XL037	**464521**	...
7.0	70XL025	**464501**	...	70XL037	**464522**	...
8.0	80XL025	**464502**	...	80XL037	**464523**	...
9.0	90XL025	**464503**	...	90XL037	**464524**	.01
10.0	100XL025	**464504**	...	100XL037	**464525**	.01
11.0	110XL025	**464505**	...	110XL037	**464526**	.01
12.0	120XL025	**464506**	...	120XL037	**464527**	.01
13.0	130XL025	**464507**	.01	130XL037	**464528**	.01
14.0	140XL025	**464508**	.01	140XL037	**464529**	.01
15.0	150XL025	**464509**	.01	150XL037	**464530**	.01
16.0	160XL025	**464510**	.01	160XL037	**464531**	.01
17.0	170XL025	**464511**	.01	170XL037	**464532**	.01
18.0	180XL025	**464512**	.01	180XL037	**464533**	.02
19.0	190XL025	**464513**	.01	190XL037	**464534**	.02
20.0	200XL025	**464514**	.01	200XL037	**464535**	.02
21.0	210XL025	**464515**	.01	210XL037	**464536**	.02
22.0	220XL025	**464516**	.01	220XL037	**464537**	.02
23.0	230XL025	**464517**	.01	230XL037	**464538**	.02
24.0	240XL025	**464518**	.01	240XL037	**464539**	.02
25.0	250XL025	**464519**	.01	250XL037	**464540**	.02
26.0	260XL025	**464520**	.02	260XL037	**464541**	.02

L Series DYNA-SYNC Belts

3/8" Pitch (L)									
Belt Length	L050 (1/2" Wide)			L075 (3/4" Wide)			L100 (1" Wide)		
	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.
12.4	124L050	**464542**	.03	124L075	**464562**	.05	124L100	**464582**	.06
15.0	150L050	**464543**	.04	150L075	**464563**	.06	150L100	**464583**	.08
18.7	187L050	**464544**	.05	187L075	**464564**	.07	187L100	**464534**	.10
21.0	210L050	**464545**	.05	210L075	**464565**	.08	210L100	**464585**	.09
22.5	225L050	**464546**	.06	225L075	**464566**	.09	225L100	**464586**	.11
24.0	240L050	**464547**	.06	240L075	**464567**	.09	240L100	**464587**	.11
25.5	255L050	**464548**	.06	255L075	**464568**	.10	255L100	**464588**	.13
27.0	270L050	**464549**	.07	270L075	**464569**	.10	270L100	**464589**	.14
28.5	285L050	**464550**	.07	285L075	**464570**	.11	285L100	**464590**	.14
30.0	300L050	**464551**	.08	300L075	**464571**	.11	300L100	**464591**	.15
32.2	322L050	**464552**	.08	322L075	**464572**	.12	322L100	**464592**	.16
34.5	345L050	**464553**	.09	345L075	**464573**	.13	345L100	**464593**	.17
36.7	367L050	**464554**	.09	367L075	**464574**	.14	367L100	**464594**	.19
39.0	390L050	**464555**	.10	390L075	**464575**	.15	390L100	**464595**	.20
42.0	420L050	**464556**	.11	420L075	**464576**	.16	420L100	**464596**	.21
45.0	450L050	**464557**	.11	450L075	**464577**	.17	450L100	**464597**	.23
48.0	480L050	**464558**	.12	480L075	**464578**	.18	480L100	**464598**	.24
51.0	510L050	**464559**	.13	510L075	**464579**	.19	510L100	**464599**	.26
54.0	540L050	**464560**	.14	540L075	**464580**	.21	540L100	**464600**	.27
60.0	600L050	**464561**	.15	600L075	**464581**	.23	600L100	**464601**	.30

DYNA-SYNC - Belts

H Series DYNA-SYNC Belts

1/2" Pitch (H)															
Belt Length	H075 (3/4" Wide)			H100 (1" Wide)			H150 (1-1/2" Wide)			H200 (2" Wide)			H300 (3" Wide)		
	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.
24.0	240H075	**464602**	.11	240H100	**464621**	.14	240H150	**464645**	.22	240H200	**464772**	.29	240H300	**464778**	.43
27.0	270H075	**464603**	.12	270H100	**464622**	.16	270H150	**464646**	.24	270H200	**464773**	.33	270H300	**464779**	.49
30.0	300H075	**464604**	.14	300H100	**464623**	.18	300H150	**464647**	.27	300H200	**464774**	.36	300H300	**464780**	.54
33.0	330H075	**464605**	.14	330H100	**464624**	.20	330H150	**464648**	.30	330H200	**464775**	.40	330H300	**464781**	.60
36.0	360H075	**464606**	.15	360H100	**464625**	.22	360H150	**464649**	.33	360H200	**464664**	.43	360H300	**464736**	.65
39.0	390H075	**464607**	.18	390H100	**464626**	.24	390H150	**464650**	.35	390H200	**464665**	.47	390H300	**464737**	.71
42.0	420H075	**464608**	.19	420H100	**464627**	.25	420H150	**464651**	.38	420H200	**464666**	.51	420H300	**464738**	.76
45.0	450H075	**464609**	.20	450H100	**464628**	.27	450H150	**464652**	.41	450H200	**464667**	.54	450H300	**464739**	.81
48.0	480H075	**464610**	.23	480H100	**464629**	.31	480H150	**464653**	.46	480H200	**464668**	.62	480H300	**464740**	.92
51.0	510H075	**464611**	.23	510H100	**464630**	.31	510H150	**464654**	.46	510H200	**464669**	.62	510H300	**464741**	.92
54.0	540H075	**464612**	.24	540H100	**464631**	.33	540H150	**464655**	.49	540H200	**464670**	.65	540H300	**464683**	.98
57.0	570H075	**464613**	.26	570H100	**464632**	.34	570H150	**464656**	.52	570H200	**464671**	.69	570H300	**464684**	1.03
60.0	600H075	**464614**	.27	600H100	**464633**	.36	600H150	**464657**	.54	600H200	**464672**	.72	600H300	**464685**	1.09
63.0	630H075	**464615**	.29	630H100	**464634**	.38	630H150	**464658**	.57	630H200	**464673**	.76	630H300	**464686**	1.14
66.0	660H075	**464616**	.30	660H100	**464635**	.40	660H150	**464659**	.60	660H200	**464674**	.80	660H300	**464687**	1.20
70.0	700H075	**464617**	.32	700H100	**464636**	.42	700H150	**464660**	.63	700H200	**464675**	.85	700H300	**464688**	1.27
75.0	750H075	**464618**	.34	750H100	**464637**	.45	750H150	**464661**	.68	750H200	**464676**	.91	750H300	**464689**	1.36
80.0	800H075	**464619**	.36	800H100	**464638**	.48	800H150	**464662**	.72	800H200	**464677**	.97	800H300	**464742**	1.45
85.0	850H075	**464620**	.38	850H100	**464639**	.51	850H150	**464663**	.77	850H200	**464678**	1.03	850H300	**464743**	1.54
90.0	900H075	**464759**	.41	900H100	**464640**	.54	900H150	**464766**	.82	900H200	**464679**	1.09	900H300	**464744**	1.63
100.0	1000H075	**464760**	.45	1000H100	**464641**	.60	1000H150	**464767**	.91	1000H200	**464680**	1.21	1000H300	**464745**	1.81
110.0	1100H075	**464761**	.50	1100H100	**464642**	.66	1100H150	**464768**	1.00	1100H200	**464681**	1.33	1100H300	**464746**	1.99
125.0	1250H075	**464762**	.57	1250H100	**464643**	.75	1250H150	**464769**	1.13	1250H200	**464682**	1.51	1250H300	**464747**	2.26
140.0	1400H075	**464763**	.63	1400H100	**464644**	.85	1400H150	**464770**	1.27	1400H200	**464776**	1.69	1400H300	**464748**	2.54
170.0	1700H075	**464764**	.77	1700H100	**464765**	1.03	1700H150	**464771**	1.54	1700H200	**464777**	2.05	1700H300	**464749**	3.08

XH Series DYNA-SYNC Belts

7/8" Pitch (XH)									
Belt Length	XH200 (2" Wide)			XH300 (3" Wide)			XH400 (4" Wide)		
	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.
50.7	507XH200	**464690**	1.77	507XH300	**464702**	2.66	507XH400	**464750**	3.54
56.0	560XH200	**464691**	1.95	560XH300	**464703**	2.93	560XH400	**464751**	3.91
63.0	630XH200	**464692**	2.20	630XH300	**464704**	3.30	630XH400	**464752**	4.40
70.0	700XH200	**464693**	2.33	700XH300	**464705**	3.49	700XH400	**464753**	4.65
77.0	770XH200	**464694**	2.69	770XH300	**464706**	3.49	770XH400	**464754**	4.65
84.0	840XH200	**464695**	2.79	840XH300	**464707**	4.19	840XH400	**464755**	5.58
98.0	980XH200	**464696**	3.42	980XH300	**464708**	5.13	980XH400	**464756**	6.84
112.0	1120XH200	**464697**	3.72	1120XH300	**464709**	5.58	1120XH400	**464757**	7.45
126.0	1260XH200	**464698**	4.19	1260XH300	**464710**	6.28	1260XH400	**464758**	8.38
140.0	1400XH200	**464699**	4.65	1400XH300	**464711**	6.98	1400XH400	**464782**	9.31
154.0	1540XH200	**464700**	5.12	1540XH300	**464712**	7.68	1540XH400	**464783**	10.2
175.0	1750XH200	**464701**	5.82	1750XH300	**464713**	8.73	1750XH400	**464784**	10.6

XXH Series DYNA-SYNC Belts

1-1/4" Pitch (XXH)												
Belt Length	XXH200 (2" Wide)			XXH300 (3" Wide)			XXH400 (4" Wide)			XXH500 (5" Wide)		
	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.
70.0	700XXH200	**465301**	3.23	700XXH300	**465302**	4.85	700XXH400	**465303**	6.47	700XXH500	**465304**	8.09
80.0	800XXH200	**465305**	3.70	800XXH300	**465306**	5.54	800XXH400	**465307**	7.39	800XXH500	**465308**	9.24
90.0	900XXH200	**465309**	4.38	900XXH300	**465310**	6.58	900XXH400	**465311**	8.77	900XXH500	**465312**	11.0
100.0	1000XXH200	**465313**	4.87	1000XXH300	**465314**	7.31	1000XXH400	**465315**	9.74	1000XXH500	**465316**	12.2
120.0	1200XXH200	**465337**	5.54	1200XXH300	**465317**	8.32	1200XXH400	**465318**	11.1	1200XXH500	**465319**	13.9
140.0	1400XXH200	**465323**	6.47	1400XXH300	**465320**	9.70	1400XXH400	**465321**	12.9	1400XXH500	**465322**	16.2
160.0	1600XXH200	**465324**	7.39	1600XXH300	**465325**	11.1	1600XXH400	**465326**	14.8	1600XXH500	**465327**	18.5
180.0	1800XXH200	**465338**	8.32	1800XXH300	**465329**	12.5	1800XXH400	**465330**	16.6	1800XXH500	**465331**	20.8

FEATURES/BENEFITS PAGE PT10-2	SPECIFICATIONS PAGE PT10-3	SELECTION PAGE PT10-14	ENGINEERING/TECHNICAL PAGE PT10-44

DYNA-SYNC Drives

USING STANDARD MOTOR SPEEDS

Step 1–Determine Service Factor from steps on page PT10-16.

Step 2–Compute Design HP. Multiply normal running HP required or nameplate rating by service factor obtained in Step 1.

Step 3–Choose Belt Section. Using Table 1, read up from design HP figure obtained in Step 2 and over from the RPM of faster shaft. This intersection indicates belt section.

Step 4–Select the Drive, **a).** Using the belt section from Step 3, refer to Selection Tables beginning on page PT10-18. **b).** Under appropriate standard full-load motor RPM, find the driven RPM nearest to the desired speed. Trace right to columns headed “Pulley Combination.” If more than one is listed, the combination with the largest pulleys usually will offer the best belt life. (Note that one pulley must be flanged on all drives. If center distance exceeds 8 times P.D. of small pulley or shafts are vertical or inclined, both must be flanged.) **c).** On same line trace right to the figure nearest the desired center distance and at top of column note belt number. **d)**. Trace back on same line to appropriate column under heading “HP for a 1” Belt...” Divide the design HP obtained in Step 2 by the HP thus found in table. (Divide this value by Teeth in Mesh (T.I.M.) factor when applicable.) The result is the Belt Width Factor. Refer to table below right hand selection table to determine belt width required. If width shown is not stock go to next stock width listed. Add belt code, from table, to belt number found in Step 4c. (If wider stock belt is not shown in table, redesign drive to next larger pitch.) To check drive calculation: HP for a 1” Wide Belt x Belt Width factor x Teeth in Mesh factor = Actual HP rating of the drive. If actual rating is equal to or greater than Design HP, selection is O.K.

NOTE: Good practice dictates that shaft and bushing system (or alternate shaft mounting method) be verified for adequate rating.

DYNA-SYNC Drives

USING STANDARD MOTOR SPEEDS

EXAMPLE OF SELECTION

Select a drive for a 3 cylinder reciprocating compressor to run 8 hours a day at about 270 RPM and to be driven by a 5 HP, 1160 RPM Design B squirrel cage motor. Centers are about 25".

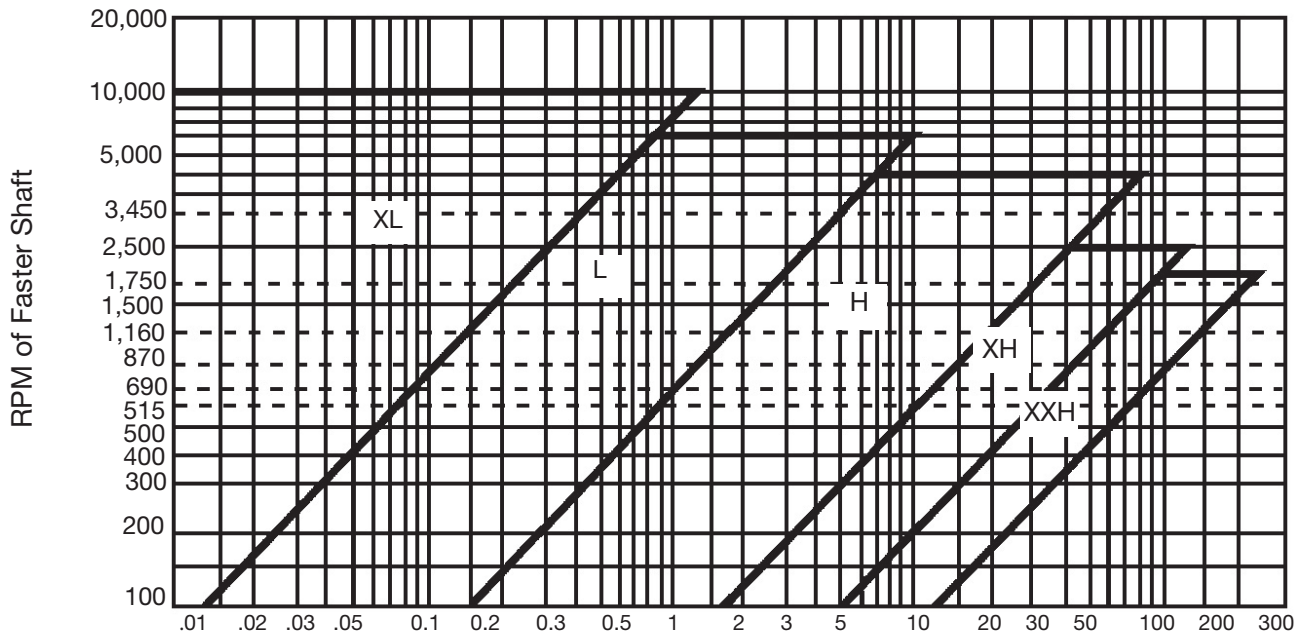
Step 1–Service Factor from page PT10-16 is 2.2.

Step 2–Design HP = 5 x 2.2 = 11 HP.

Step 3–An "H" Cross Section is shown in Table 1 when reading to the right of 1160 RPM of faster shaft and up from 11 design HP.

Step 4–The H-Section drive tables begin on page PT10-30. On page PT10-34, the nearest driven speed for a 1160 RPM motor is 271 RPM. Two possible pulley combinations are listed. The 28H driver/120H driven is preferred. On the same line the nearest center distance to 25" is 25.45". Note the 900 H belt at top of column. Tracing back on the same line, under 1160 RPM, the "HP for a 1" Belt" is 5.68. 11 design HP 5.68 = 1.937 Belt Width Factor. Belt Width Table indicates a 2" wide belt is required. Add code number 200 to belt and pulley number and order the following: (1) TL28H200 DYNA-SYNC Pulley, (1) 2012 Taper-Lock (1) TL120H200 pulley. (1) TAPER-LOCK 3020 bushing. (1) 900H200 DYNA-SYNC Belt. To facilitate delivery, order by part numbers listed in Pulley, Bushing and Belt sections of this catalog.

Table 1 - Synchronous Cross Section Selection Chart



SELECTION

Service Factor

To determine the service factor for a DYNA-SYNC drive follow the three steps below.

Step 1. Determine the class of Driver from Table 2 below.

Step 2. Use Class of Driver and Type of Application in Table 4 at right to find the tentative service factor.

Step 3. Add the Additional Service Factor, when applicable, from Table 3 at bottom of page to the tentative service factor from Step 2 to determine the service factor for the application.

Table 2 - Class of Driver

Driver	Class I	Class II	Class III
A-C Electric Motors,			
Single Phase.	. . . . .	. . . . .	All
Squirrel Cage,			
NEMA Design A,			
3500 RPM	40 HP up	30 HP or less	. . . . .
1750 RPM	100 HP up	5 to 75 HP	3 HP or less
1160 RPM	15 HP up	10 HP or less	. . . . .
870 RPM	5 HP up	3 HP or less	. . . . .
NEMA Design B,			
3500 RPM	. . . . .	5 HP up	3 HP or less
1750 RPM	. . . . .	5 HP up	3 HP or less
1160 RPM	. . . . .	5 HP up	3 HP or less
870 RPM	. . . . .	2 HP up	1-1/2 HP or less
NEMA Design C,			
1750 RPM	. . . . .	15 HP up	10 HP or less
1160 RPM	. . . . .	7-1/2 HP up	5 HP or less
870 RPM	. . . . .	All	. . . . .
NEMA Design D .	. . . . .	. . . . .	All
NEMA Design F .	All	. . . . .	. . . . .
Wound Rotor, . . .	. . . . .		
1750 RPM	. . . . .	20 HP	15 HP or less
1160 RPM	. . . . .	15 HP	10 HP or less
870 RPM	. . . . .	7-1/2 HP	5 HP or less
Synchronous	. . . . .	Norm. Torque	High Torque
D-C Electric Motors	Shunt	Compound	Series
Engines-Int. Comb	8 Cyl. up	6 Cyl	4 Cyl. or less
Hydraulic Motors . .	. . . . .	. . . . .	All
Line Shafts	. . . . .	. . . . .	All

Table 3 - Additional Service Factors †

Condition	Additional Factor
24 hour continuous operation	0.2
Use of an idler	0.2
Intermittent or seasonal operation	◊
Speed up drive:	
1 to 1.24 ratio	0.0
1.25 to 1.74 ratio	0.1
1.75 to 2.49 ratio	0.2
2.50 to 3.49 ratio	0.3
Over 3.49 ratio	0.4

† Additional service factors other than listed here are required for unusual condition such as torque reversal, heavy shock, when current to motor is reversed to either stop the motor rapidly or to run it in opposite direction, or when a brake is to be used. For such applications consult factory.

◊ Subtract 0.2 from tentative service factor.

Table 4 - Service Factors*

Application	Class I	Class II	Class III
AGITATORS, MIXERS (Paddle or Propeller)			
Liquid	1.4	1.6	1.8
Semi-liquid	1.5	1.7	1.9
BAKERY MACHINERY DOUGH MIXERS	1.4	1.6	1.8
BRICK AND CLAY MACHINERY			
Augers, Mixers, Granulators	1.5	1.7	1.9
Pug Mills	1.8	2.0	2.2
CENTRIFUGES	1.8	1.9	. . .
COMPRESSORS			
Reciprocating	2.0	2.2	2.4
Centrifugal	1.8	1.7	1.8
CONVEYORS			
Light-Package Belt, oven	1.3	1.5	1.7
Belt, Ore, Coal, Sand	1.8	1.7	1.8
Apron, Bucket, Elevator, Pan	1.7	1.8	1.9
Flight, Screw	1.7	1.9	2.0
FANS, BLOWERS			
Centrifugal, Induced Draft Exhausters	1.8	1.8	2.0
Propeller, Mine fans, Positive Blowers	1.8	2.0	2.2
GENERATORS AND EXCITERS	1.6	1.8	2.0
HAMMER MILLS	1.7	1.9	2.1
LAUNDRY MACHINERY			
General	1.5	1.6	1.7
Extractors, Washers	1.6	1.8	2.0
LINE SHAFTS	1.5	1.7	1.9
MACHINE TOOLS			
Drill Presses, Lathes, Screw Machines	1.4	1.6	1.8
Boring Mills, Grinders	1.5	1.7	1.9
Milling Machines, Shapers	1.5	1.7	1.9
MILLS			
Ball, Rod, Pebble. etc.	. . .	2.2	2.5
PAPER MACHINERY			
Agitators, Calenders, Dryers	1.4	1.6	1.8
Beaters, Jordans, Nash Pumps, Pulpers	1.7	1.9	2.1
PRINTING MACHINERY			
Presses: Newspaper, Rotary, Embossing, Flat Bed, Magazine; Linotype Machines; Cutters; Folders	1.4	1.6	1.8
PUMPS			
Centrifugal, Gear, Rotary, Pipeline	1.5	1.7	1.9
Reciprocating	2.0	2.2	2.4
RUBBER PLANT MACHINERY	1.6	1.8	2.0
SAW MILL MACHINERY	1.6	1.8	2.0
SCREENS			
Vibrating (Shakers)	1.5	1.7	. . .
Drum, Conical	1.4	1.5	. . .
TEXTILE MACHINERY			
Looms, Spinning Frames, Twisters	1.6	1.8	2.0
Wrappers, Reels	1.5	1.7	. . .
WOODWORKING MACHINERY			
Lathes, Band Saws	1.3	1.4	. . .
Jointers, Circular Saws, Planers	1.4	1.6	. . .

DYNA-SYNC Drives

FOR SPEEDS OTHER THAN STANDARD MOTOR SPEEDS AND SPEED-UP DRIVES

For Speeds Other Than Standard Motor Speeds

Step 1 – Calculate Speed Ratio = $\frac{\text{Driver RPM}}{\text{Driven RPM}}$

Step 2 – Determine Service Factor from steps on page PT10-16.

Step 3 – Calculate Design HP. Multiply normal running HP required or nameplate rating by service factor obtained in Step 2.

Step 4 – Using Table 1 on page PT10-15 read up from design HP obtained in Step 3 and over from RPM of faster shaft. This intersection indicates belt section.

Step 5 – Select the Drive. a.) Using the belt section obtained in Step 4, refer to Selection Tables beginning on PT10-18. **b.)** Read down ratio column to the value nearest to one calculated in Step 1. Trace right to columns headed "Pulley Combinations." If more than one is listed, the combination with the largest pulleys usually will offer the best belt life. (Note that one pulley must be flanged on all drives. If center distance exceeds 8 times P.D. of small pulley or shafts are vertical or inclined, both must be flanged.) **c.)** On the same line trace right to figure nearest the desired center distance and at top of column note belt number. **d.)** Now go to the HP Table for the appropriate belt section. Reading to the right of the speed of the faster pulley and down from the pulley size, the HP figure for a 1" belt will appear. Divide the design HP from Step 3 by the HP thus found in table. (Divide this value by Teeth in Mesh factor, when applicable.) The result is the Belt Width Factor. Refer to table below the HP Table to determine belt width factor required. If width shown is not in stock go to next stock width listed. Add belt code, from table, to belt number found in Step 5c. (If wider stock belt is not shown in table, redesign drive to next larger pitch).

EXAMPLE OF SELECTION

A printing machine embossing roll runs at 426 RPM, powered from an 800 RPM line shaft. The roll required 7 HP. Machine runs 8-10 hrs. a day. Center distance is approx. 20".

Step 1 – Speed Ratio = = 1.88

Step 2 – Service Factor = 1.8

Step 3 – Design HP = 7 x 1.8 = 12.6

Step 4 – Belt Selection from Table 1 = H

Step 5 – The H Section Drive Tables begin on page PT10-30. The ratio of 1.88 obtained in Step 1 is found on page PT10-32. Two pulley combinations are listed. The 32H driver /60H driven is preferred. On the same line the nearest center distance to 20" is 19.88. Note the 630H belt at top of column. Refer to H section HP Tables on page PT10-42. Opposite 800 RPM of faster shaft and under 32H pulley, the HP 4.50 = 2.8. This is the belt width factor. Referring to the H belt width table a 3" wide belt is stock. Add the 300 Code Width to the pulley and belt numbers and order the following:

(1) TL32H300 DYNA-SYNC Pulley, (1) 2517 TAPER-LOCK bushing (Check to see if bushing will fit equipment shafts). (1) TL60H300 Pulley.

(1) 3020 bushing

(1) 630H300 DYNA-SYNC Belt.

To facilitate delivery, use part numbers listed in Pulley, Bushing and Belt sections of this catalog.

Example of a Speed-Up Drive

Select a drive for a continuous duty liquid agitator to run at about 2000 RPM and to be driven by a 10 HP, 1750 RPM squirrel cage motor Centers are about 10".

Step 1 – Speed ratio is 2000 ÷ 1750 = 1.14.

Step 2 – Service factor from page PT10-3 is 1.8

Step 3 – Design HP= 10 x 1.8= 18 HP.

Step 4 – An "H" Cross Section is shown in Table 1 when reading to the right of 2000 RPM and up from 18 design HP.

Step 5 – Speed ratio calculated in Step 1 appears in Selection Table on page PT10-30. Two possible pulley combinations are listed. The 28H driver/32H driven is preferred. In a Speed-Up Drive, the 28H becomes the driven, the 32H, the driver. On the same line the nearest center distance to 10" is 10.5. Note the 360H belt at top of column. Referring to HP table on page PT10-42, the rating for a 1" wide belt is shown as 9.60 for a 28H pulley at 2000 RPM. 18 design HP ÷ 9.601.875 Belt Width Factor Belt Width Table indicates a 2" wide belt is required. Add code number 200 to belt and pulley number and order the following: (1) TL32H200 DYNA-SYNC Pulley, (1) 2517 TAPER-LOCK Bushing. (Check to see if bushings will fit equipment shafts).
(1) TL28H200 Pulley, (1) 2012 bushing (with 2, max. bore).
(1) 360H200 DYNA-SYNC belt.

*** Selection program available online at ptwizard.com.**

SELECTION

DODGE

XL Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of Δ			Nominal C.D. Using DYNA-SYNC Belts					
				Driver		Driven										
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	60XL	70XL	80XL	90XL	100XL	110XL
3500	1750	1160	1.00	30XL	1.910	30XL	1.910	2.11	1.07	.71	....	....	....	....	....	2.50
3500	1750	1160	1.00	28XL	1.783	28XL	1.783	1.98	1.00	.66	....	....	....	....	2.20	2.70
3500	1750	1160	1.00	24XL	1.528	24XL	1.528	1.71	.86	.56	....	....	....	2.10	2.60	3.10
3500	1750	1160	1.00	22XL	1.401	22XL	1.401	1.57	.79	.52	....	....	1.80	2.30	2.80	3.30
3500	1750	1160	1.00	21XL	1.337	21XL	1.337	1.49	.75	.50	....	....	1.90	2.40	2.90	3.40
3500	1750	1160	1.00	20XL	1.273	20XL	1.273	1.42	.72	.46	....	....	2.00	2.50	3.00	3.50
3500	1750	1160	1.00	18XL	1.146	18XL	1.146	1.28	.64	.42	....	1.70	2.20	2.70	3.20	3.70
3500	1750	1160	1.00	16XL	1.019	16XL	1.019	1.15	.58	.38	1.40	1.90	2.40	2.90	3.40	3.90
3500	1750	1160	1.00	15XL	.955	15XL	.955	1.07	.53	.36	1.50	2.00	2.50	3.00	3.50	4.00
3500	1750	1160	1.00	14XL	.891	14XL	.891	1.00	.50	.33	1.60	2.10	2.60	3.10	3.60	4.10
3500	1750	1160	1.00	12XL	.764	12XL	.764	.86	.43	.28	1.80	2.30	2.80	3.30	3.80	4.30
3500	1750	1160	1.00	11XL	.700	11XL	.700	.79 ◊	.39	.26	1.90†	2.40{	2.90†	3.40†	3.90†	4.40†
3341	1675	1107	1.05	21XL	1.337	22XL	1.401	1.49	.75	.50	....	....	1.85	2.35	2.85	3.35
3333	1667	1105	1.05	20XL	1.273	21XL	1.337	1.42	.72	.46	....	....	1.95	2.45	2.95	3.45
3281	1641	1088	1.07	30XL	1.910	32XL	2.037	2.11	1.07	.71	....	....	....	....	....	2.39
3281	1641	1088	1.07	15XL	.955	16XL	1.019	1.07	.53	.36	1.45	1.95	2.45	2.95	3.45	3.95
3267	1634	1083	1.07	28XL	1.783	30XL	1.910	1.98	1.00	.66	....	....	....	....	2.09	2.59
3267	1634	1083	1.07	14XL	.891	15XL	.955	1.00	.50	.33	1.55	2.05	2.55	3.05	3.55	4.05
3208	1604	1063	1.09	22XL	1.401	24XL	1.528	1.57	.79	.52	....	....	....	2.19	2.69	3.19
3208	1604	1063	1.09	11XL	.700	12XL	.764	.79 ◊	.39	.26	1.85†	2.35†	2.85†	3.35†	3.85†	4.35†
3182	1591	1055	1.10	20XL	1.273	22XL	1.401	1.42	.72	.46	....	....	1.89	2.39	2.89	3.39
3150	1575	1044	1.11	18XL	1.146	20XL	1.273	1.28	.64	.42	....	1.59	2.09	2.59	3.09	3.59
3111	1556	1031	1.13	16XL	1.019	18XL	1.146	1.15	.58	.38	....	1.79	2.29	2.79	3.29	3.79
3063	1532	1015	1.14	28XL	1.783	32XL	2.037	1.98	1.00	.66	....	....	....	....	....	2.49
3063	1532	1015	1.14	21XL	1.337	24XL	1.528	1.49	.75	.50	....	....	1.74	2.24	2.74	3.24
3063	1532	1015	1.14	14XL	.891	16XL	1.019	1.00	.50	.33	1.49	1.99	2.49	2.99	3.49	4.00
3000	1500	994	1.17	24XL	1.528	28XL	1.783	1.71	.86	.56	....	....	....	....	2.39	2.89
3000	1500	994	1.17	18XL	1.146	21XL	1.337	1.28	.64	.42	....	1.54	2.04	2.54	3.04	3.54
3000	1500	994	1.17	12XL	.764	14XL	.891	.86	.43	.28	1.69†	2.19†	2.69†	3.19†	3.69†	4.20†
2917	1458	967	1.20	30XL	1.910	36XL	2.292	2.11	1.07	.71	....	....	....	....	....	....
2917	1458	967	1.20	20XL	1.273	24XL	1.528	1.42	.72	.46	....	....	1.79	2.29	2.79	3.29
2917	1458	967	1.20	15XL	.955	18XL	1.146	1.07	.53	.36	1.34	1.84	2.34	2.84	3.34	3.84
2864	1432	949	1.22	18XL	1.146	22XL	1.401	1.28	.64	.42	....	....	1.99	2.49	2.99	3.49
2800	1400	928	1.25	24XL	1.528	30XL	1.910	1.71	.86	.56	....	....	....	....	2.29	2.79
2800	1400	928	1.25	16XL	1.019	20XL	1.273	1.15	.58	.38	....	1.69	2.19	2.69	3.19	3.69
2800	1400	928	1.25	12XL	.764	15XL	.955	.86	.43	.28	1.6†	2.14†	2.64†	3.14†	3.64†	4.14†
2750	1375	911	1.27	22XL	1.401	28XL	1.783	1.57	.79	.52	....	....	....	1.99	2.49	2.99
2750	1375	911	1.27	11XL	.700	14XL	.891	.79 ◊	.39	.26	1.7†	2.24†	2.74†	3.24†	3.74†	4.24†
2722	1361	902	1.29	28XL	1.783	36XL	2.292	1.98	1.00	.66	....	....	....	....	....	2.28
2722	1361	902	1.29	14XL	.891	18XL	1.146	1.00	.50	.33	1.39	1.89	2.39	2.89	3.39	3.89
2667	1333	884	1.31	16XL	1.019	21XL	1.337	1.15	.58	.38	....	1.64	2.14	2.64	3.14	3.64
2625	1313	870	1.33	30XL	1.910	40XL	2.546	2.11	1.07	.71	....	....	....	....	....	....
2625	1313	870	1.33	24XL	1.528	32XL	2.037	1.71	.86	.56	....	....	1.89	....	2.18	2.68
2625	1313	870	1.33	21XL	1.337	28XL	1.783	1.49	.75	.50	....	....	....	2.03	2.54	3.04
2625	1313	870	1.33	18XL	1.146	24XL	1.528	1.28	.64	.42	....	....	....	2.39	2.89	3.39
2625	1313	870	1.33	15XL	.955	20XL	1.273	1.07	.53	.36	....	1.74	2.24	2.74	3.24	3.74
2625	1313	870	1.33	12XL	.764	16XL	1.019	.86	.43	.28	1.59†	2.09†	2.59†	3.09†	3.59†	4.09†
2567	1283	851	1.36	22XL	1.401	30XL	1.910	1.57	.79	.52	....	....	....	....	2.38	2.88
2567	1283	851	1.36	11XL	.700	15XL	.955	.79 ◊	.38	.26	1.69†	2.19†	2.69†	3.19†	3.69†	4.19†
2545	1273	844	1.38	16XL	1.019	22XL	1.401	1.15	.58	.38	....	1.58	2.09	2.59	3.09	3.59
2500	1250	829	1.40	30XL	1.910	42XL	2.674	2.11	1.07	.71	....	1.68	....	....	....	....
2500	1250	829	1.40	20XL	1.273	28XL	1.783	1.42	.72	.46	....	....	....	2.08	2.58	3.09
2500	1250	829	1.40	15XL	.955	21XL	1.337	1.07	.53	.36	....	....	2.19	2.69	3.19	3.69
2450	1225	812	1.43	28XL	1.783	40XL	2.546	1.98	1.00	.66	....	....	....	....	....	....
2450	1225	812	1.43	21XL	1.337	30XL	1.910	1.49	.75	.50	....	....	....	1.92	2.43	2.93
2450	1225	812	1.43	14XL	.891	20XL	1.273	1.00	.50	.33	....	1.79	2.29	2.79	3.29	3.79
2406	1203	798	1.45	22XL	1.401	32XL	2.037	1.57	.79	.52	....	....	....	....	2.27	2.78
2406	1203	798	1.45	11XL	.700	16XL	1.019	.79 ◊	.39	.26	1.64†	2.14†	2.64†	3.14†	3.64†	4.14†

Δ HP ratings are for conventional speed-reduction drives.
For Speed-Up Drives refer to page PT10-17.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

† See Teeth in Mesh table on opposite page

XL Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts														
120XL	130XL	140XL	150XL	160XL	170XL	180XL	190XL	200XL	210XL	220XL	230XL	240XL	250XL	260XL
3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00
3.20	3.70	4.20	4.70	5.20	5.70	6.20	6.70	7.20	7.70	6.20	8.70	9.20	9.70	10.20
3.60	4.10	4.60	5.10	5.60	6.10	6.60	7.10	7.60	8.10	6.60	9.10	9.60	10.10	10.60
3.80	4.30	4.80	5.30	5.80	6.30	6.80	7.30	7.80	8.30	8.80	9.30	9.80	10.30	10.80
3.90	4.40	4.90	5.40	5.90	6.40	6.90	7.40	7.90	8.40	8.90	9.40	9.90	10.40	10.90
4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00
4.20	4.70	5.20	5.70	6.20	6.70	7.20	7.70	8.20	8.70	9.20	9.70	10.20	10.70	11.20
4.40	4.90	5.40	5.90	6.40	6.90	7.40	7.90	8.40	8.90	9.40	9.90	10.40	10.90	11.40
4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50
4.60	5.10	5.60	6.10	6.60	7.10	7.60	8.10	8.60	9.10	9.60	10.10	10.60	11.10	11.60
4.80	5.30	5.80	6.30	6.80	7.30	7.80	8.30	8.60	9.30	9.80	10.30	10.80	11.30	11.80
4.90†	5.40†	5.90†	6.40†	6.90†	7.40†	7.90†	8.40†	8.90†	9.40†	9.90†	10.40†	10.90†	11.40†	11.90†
3.85	4.35	4.85	5.35	5.85	6.35	6.85	7.35	7.85	8.35	8.85	9.35	9.85	10.35	10.85
3.95	4.45	4.95	5.45	5.95	6.45	6.95	7.45	7.95	8.45	8.95	9.45	9.95	10.45	10.95
2.89	3.39	3.89	4.40	4.90	5.40	5.90	6.40	6.90	7.40	7.90	8.40	8.99	9.40	9.90
4.45	4.95	5.45	5.95	6.45	6.95	7.45	7.95	8.45	8.95	9.45	9.95	10.45	10.95	11.45
3.09	3.59	4.10	4.60	5.10	5.60	6.10	6.60	7.10	7.60	8.10	8.60	9.10	9.80	10.10
4.55	5.05	5.55	6.05	6.55	7.05	7.55	8.05	8.55	9.05	9.55	10.05	10.55	11.05	11.55
3.69	4.20	4.70	5.20	5.70	6.20	6.70	7.20	7.70	8.20	8.70	9.20	9.70	10.20	10.70
4.85†	5.35†	5.85†	6.35†	6.85†	7.35†	7.85†	8.35†	8.85†	9.35†	9.85†	10.35†	10.85†	11.35†	11.85†
3.89	4.40	4.90	5.40	5.90	6.40	6.90	7.40	7.90	8.40	8.90	9.40	9.90	10.40	10.90
4.10	4.60	5.10	5.60	6.10	6.60	7.10	7.60	8.10	8.60	9.10	9.60	10.10	10.60	11.10
4.30	4.80	5.30	5.80	6.30	6.80	7.30	7.80	8.30	8.80	9.30	9.80	10.30	10.80	11.30
2.99	3.49	3.99	4.49	4.99	5.49	5.99	6.49	6.99	7.49	7.99	8.49	8.99	9.49	9.99
3.74	4.24	4.74	5.24	5.74	6.24	6.74	7.24	7.74	8.24	8.74	9.25	9.75	10.25	10.75
4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50
3.39	3.89	4.39	4.89	5.39	5.89	6.39	6.89	7.39	7.89	8.39	8.89	9.39	9.89	10.39
4.04	4.54	5.04	5.54	6.04	6.54	7.04	7.54	8.04	8.54	9.05	9.55	10.05	10.55	11.05
4.70†	5.20†	5.70{†	6.20†	6.70†	7.20†	7.70†	8.20†	8.70†	9.20†	9.70†	10.20†	10.70†	11.20†	11.70†
2.69	3.19	3.69	4.19	4.69	5.19	5.69	6.19	6.69	7.19	7.69	8.19	8.69	9.19	9.69
3.79	4.29	4.79	5.29	5.79	6.29	6.79	7.29	7.79	8.29	8.79	9.29	9.79	10.29	10.79
4.34	4.84	5.34	5.84	6.34	6.84	7.34	7.84	8.34	8.84	9.35	9.85	10.35	10.85	11.35
3.99	4.49	4.99	5.49	5.99	6.49	6.99	7.49	7.99	8.49	8.99	9.49	9.99	10.49	10.99
3.29	3.79	4.29	4.79	5.29	5.79	6.29	6.79	7.29	7.79	8.29	8.79	9.29	9.79	10.29
4.19	4.69	5.19	5.69	6.19	6.69	7.19	7.69	8.19	8.69	9.19	9.69	10.19	10.89	11.19
4.64†	5.14†	5.64†	6.14†	6.64†	7.14†	7.64†	8.14†	8.64†	9.15†	9.65†	10.15†	10.65†	11.15†	11.65†
3.49	3.99	4.49	4.99	5.49	5.99	6.49	6.99	7.49	7.99	8.49	8.99	9.49	9.99	10.49
4.74†	5.24†	5.74†	6.24†	6.74†	7.24†	7.74†	8.24†	8.74†	9.25†	9.75†	10.25†	10.75†	11.25†	11.75†
2.78	3.29	3.79	4.29	4.79	5.29	5.79	6.29	6.79	7.29	7.79	8.29	8.79	9.29	9.79
4.39	4.89	5.39	5.89	6.39	6.89	7.39	7.89	8.39	8.89	9.39	9.89	10.39	10.69	11.39
4.14	4.64	5.14	5.64	6.14	6.64	7.14	7.64	8.14	8.64	9.14	9.64	10.14	10.64	11.14
2.48	2.98	3.48	3.98	4.48	4.99	5.49	5.99	6.49	6.99	7.49	7.99	8.49	8.99	9.49
3.19	3.69	4.19	4.69	5.19	5.69	6.19	6.69	7.19	7.69	8.19	8.69	9.19	9.69	10.19
3.54	4.04	4.54	5.04	5.54	6.04	6.54	7.04	7.54	8.04	8.54	9.04	9.54	10.04	10.54
3.89	4.39	4.89	5.39	5.89	6.39	6.89	7.39	7.89	8.39	8.89	9.39	9.89	10.39	10.89
4.24	4.74	5.24	5.74	6.24	6.74	7.24	8.24	8.24	8.74	9.24	9.74	10.24	10.74	11.24
4.59†	5.09†	5.59†	6.09†	6.59†	7.09†	7.59†	8.09†	8.59†	9.09†	9.59†	10.09†	10.59†	11.09†	11.59†
3.39	3.89	4.39	4.89	5.39	5.89	6.39	6.89	7.39	7.89	8.39	8.89	9.39	9.89	10.39
4.69†	5.19†	5.89†	6.19†	6.69†	7.19†	7.69†	8.19†	8.69†	9.19†	9.69†	10.19†	10.69†	11.19†	11.69†
4.09	4.59	5.09	5.59	6.09	6.59	7.09	7.59	8.09	8.59	9.09	9.59	10.09	10.59	11.09
....	2.87	3.37	3.88	4.38	4.88	5.38	5.88	6.38	6.88	7.39	7.89	8.39	8.69	9.39
3.59	4.09	4.59	5.09	5.59	6.09	6.59	7.09	7.59	8.09	8.59	9.09	9.59	10.09	10.59
4.19	4.69	5.19	5.69	6.19	6.69	7.19	7.69	8.19	8.69	9.19	9.69	10.19	10.69	11.19
2.57	3.07	3.58	4.08	4.58	5.08	5.58	6.08	6.58	7.09	7.59	8.09	8.59	9.09	9.59
3.43	3.84	4.44	4.94	5.44	5.94	6.44	6.94	7.44	7.94	8.44	8.94	9.44	9.94	10.44
4.29	4.79	5.29	5.79	6.29	6.79	7.29	7.79	8.29	8.79	9.29	9.79	10.29	10.79	11.29
3.28	3.78	4.28	4.78	5.29	5.79	6.29	6.79	7.29	7.79	8.29	8.79	9.29	9.79	10.29
4.64†	5.14†	5.64†	6.14†	6.64†	7.14†	7.64†	8.14†	8.64†	9.14†	9.64†	10.14†	10.64†	11.14†	11.64†

XL Belt Width Table

Belt Width Factor	.15	.28	.35	.42	.57	.71	.86	1.00	1.29	1.56
Belt Width	1/4	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2
Belt Width Code	025	037	043	050	062	075	087	100	125	150

Teeth in Mesh Factor (T.I.M.)

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00
†	5	.80

Shaded area indicates stock belt widths

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SELECTION

DODGE

XL Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of Δ			Nominal C.D. Using DYNA-SYNC Belts					
				Driver		Driven										
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	60XL	70XL	80XL	90XL	100XL	110XL
2386	1193	791	1.47	15XL	1.901	44XL	2.801	2.11	1.07	.71	....	....	....	....	....	....
2386	1193	791	1.47	30XL	.955	22XL	1.401	1.07	.53	.36	....	1.63	2.13	2.64	3.14	3.64
2334	1167	773	1.50	28XL	1.783	42XL	2.674	1.98	1.00	.66	....	....	....	....	....	....
2334	1167	773	1.50	24XL	1.528	36XL	2.292	1.71	.86	.56	....	....	....	....	....	2.47
2334	1167	773	1.50	20XL	1.273	30XL	1.910	1.42	.72	.46	....	....	....	1.97	2.48	2.98
2334	1167	773	1.50	16XL	1.019	24XL	1.528	1.15	.58	.38	....	....	1.98	2.48	2.98	3.49
2334	1167	773	1.50	14XL	.891	21XL	1.337	1.00	.50	.33	....	1.73	2.23	2.74	3.24	3.74
2334	1167	773	1.50	12XL	.764	18XL	1.146	.86	.43	.28	1.48†	1.99†	2.49†	2.99†	3.49†	3.99†
2297	1148	761	1.52	21XL	1.337	32XL	2.037	1.49	.75	.50	....	....	....	....	2.32	2.82
2250	1125	746	1.56	18XL	1.146	28XL	1.783	1.28	.64	.42	....	....	....	2.17	2.68	3.18
2227	1114	738	1.57	28XL	1.783	44XL	2.801	1.98	1.00	.66	....	....	....	....	....	....
2227	1114	738	1.57	14XL	.891	22XL	1.401	1.00	.50	.33	....	1.68	2.18	2.68	3.19	3.69
2188	1094	725	1.60	30XL	1.910	48XL	3.056	2.11	1.07	.71	....	....	....	....	....	....
2188	1094	725	1.60	20XL	1.273	32XL	2.037	1.42	.72	.46	....	....	....	1.86	2.36	2.87
2188	1094	725	1.60	15XL	.955	24XL	1.528	1.07	.53	.36	....	1.52	2.02	2.53	3.03	3.53
2139	1059	709	1.64	22XL	1.401	36XL	2.292	1.57	.79	.52	....	....	....	....	....	2.56
2139	1069	709	1.64	11XL	.700	18XL	1.146	.79 ◊	.39	.26	1.53†	2.03†	2.54†	3.64†	3.54†	4.04†
2100	1050	696	1.67	24XL	1.528	40XL	2.546	1.71	.86	.56	....	....	....	....	....	....
2100	1050	696	1.67	18XL	1.146	30XL	1.910	1.28	.64	.42	....	....	....	2.06	2.57	3.07
2100	1050	696	1.67	12XL	.764	20XL	1.273	.86	.43	.28	1.37†	1.88†	2.38†	2.88†	3.39†	3.89†
2042	1021	677	1.71	28XL	1.783	48XL	3.056	1.98	1.00	.66	....	....	....	....	....	....
2042	1021	677	1.71	21XL	1.337	36XL	2.292	1.49	.75	.50	....	....	....	....	2.09	2.60
2042	1021	677	1.71	14XL	.891	24XL	1.528	1.00	.50	.33	....	1.56	2.07	2.58	3.08	3.58
2000	1000	663	1.75	24XL	1.528	42XL	2.674	1.71	.86	.56	....	....	....	....	....	....
2000	1000	683	1.75	16XL	1.019	28XL	1.783	1.15	.58	.38	....	....	1.75	2.26	2.77	3.27
2000	1000	663	1.75	12XL	.764	21XL	1.337	.86	.43	.28	1.31†	1.82†	2.33†	2.83†	3.33†	3.83†
1969	984	653	1.78	18XL	1.146	32XL	2.037	1.28	.64	.42	....	....	....	1.94	2.46	2.96
1944	972	644	1.80	20XL	1.273	36XL	2.292	1.42	.72	.46	....	....	....	....	2.13	2.65
1925	963	637	1.82	22XL	1.401	40XL	2.546	1.57	.79	.52	....	....	....	....	....	2.32
1925	963	637	1.82	11XL	.700	20XL	1.273	.79 ◊	.39	.26	1.42‡	1.92‡	2.43†	2.93†	3.43†	3.94†
1909	955	633	1.83	24XL	1.528	44XL	2.801	1.71	.86	.56	....	....	....	....	....	....
1909	955	633	1.83	12XL	.764	22XL	1.401	.86	.43	.28	....	1.77†	2.27†	2.78†	3.28†	3.78†
1875	937	621	1.87	15XL	.955	28XL	1.783	1.07	.53	.36	....	....	1.80	2.31	2.82	3.32
1867	933	619	1.88	16XL	1.019	30XL	1.910	1.15	.58	.38	....	....	....	2.15	2.66	3.16
1838	919	609	1.90	21XL	1.337	40XL	2.546	1.49	.75	.50	....	....	....	....	....	2.37
1833	917	607	1.91	22XL	1.401	42XL	2.674	1.57	.79	.52	....	....	....	....	....	....
1833	917	607	1.91	11XL	.700	21XL	1.337	.79 ◊	.39	.26	1.36‡	1.87‡	2.37‡	2.88†	3.38†	3.88†
1750	875	580	2.00	30XL	1.910	60XL	3.820	2.11	1.07	.71	....	....	....	....	....	....
1750	875	580	2.00	24XL	1.528	48XL	3.056	1.71	.86	.56	....	....	....	....	....	....
1750	875	580	2.00	22XL	1.401	44XL	2.801	1.57	.79	.52	....	....	....	....	....	....
1750	875	580	2.00	21XL	1.337	42XL	2.674	1.49	.75	.50	....	....	....	....	....	2.25
1750	875	580	2.00	20XL	1.273	40XL	2.546	1.42	.72	.46	....	....	....	....	....	2.41
1750	875	580	2.00	18XL	1.146	36XL	2.292	1.28	.64	.42	....	....	....	....	2.22	2.74
1750	875	580	2.00	16XL	1.019	32XL	2.037	1.15	.58	.38	....	....	....	2.03	2.54	3.05
1750	875	580	2.00	15XL	.955	30XL	1.910	1.07	.53	.36	....	....	1.68	2.19	2.70	3.21
1750	875	580	2.00	14XL	.891	28XL	1.783	1.00	.50	.33	....	....	1.84†	2.35	2.86	3.37
1750	875	580	2.00	12XL	.764	24XL	1.528	.86	.43	.28	....	1.65‡	2.16†	2.67†	3.17†	3.68†
1750	875	580	2.00	11XL	.700	22XL	1.401	.79 ◊	.39	.26	1.30‡	1.81‡	2.32‡	2.82†	3.33†	3.83†
1670	835	554	2.10	21XL	1.337	44XL	2.801	1.49	.75	.50	....	....	....	....	....	....
1666	833	552	2.10	20XL	1.273	42XL	2.674	1.42	.72	.46	....	....	....	....	....	2.29
1641	820	544	2.13	15XL	.955	32XL	2.037	1.07	.53	.36	....	....	....	2.07	2.59	3.10
1833	817	542	2.14	28XL	1.783	60XL	3.820	1.98	1.00	.66	....	....	....	....	....	....
1833	817	542	2.14	14XL	.891	30XL	1.910	1.08	.50	.33	....	....	1.72†	2.24†	2.75	3.26
1604	802	532	2.18	22XL	1.401	48XL	3.056	1.57	.79	.52	....	....	....	....	....	....
1604	802	532	2.18	11XL	.700	24XL	1.528	.79 ◊	.39	.26	....	1.69}	2.21‡	2.71‡	3.22†	3.72†
1591	795	527	2.20	20XL	1.273	44XL	2.801	1.42	.72	.46	....	....	....	....	....	....
1575	788	523	2.22	18XL	1.146	40XL	2.546	1.28	.64	.42	....	....	....	....	....	2.50
1556	778	516	2.25	16XL	1.019	36XL	2.292	1.15	.58	.38	....	....	....	....	2.31	2.82

Δ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10-17.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

† ‡ See Teeth in Mesh table on opposite page.

♥ Flanges Required on both pulleys.

DODGE

XL Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

120XL	130XL	140XL	150XL	160XL	170XL	180XL	190XL	200XL	210XL	220XL	230XL	240XL	250XL	260XL
.....	2.76	3.27	3.77	4.27	4.77	5.28	5.78	6.28	6.78	7.28	7.78	8.28	8.78	9.28
4.14	4.64	5.14	5.64	6.14	8.64	7.14	7.64	8.14	8.64	9.14	9.64	10.14	10.64	11.14
2.46	2.96	3.47	3.97	4.47	4.98	5.48	5.98	6.48	8.98	7.48	7.98	8.48	8.98	9.49
2.97	3.47	3.98	4.48	4.98	5.48	5.98	6.48	6.99	7.49	7.99	8.49	8.99	9.49	9.99
3.48	3.98	4.48	4.99	5.49	5.99	8.49	6.99	7.49	7.99	8.49	8.99	9.49	9.99	10.49
3.99	4.49	4.99	5.49	5.99	8.49	6.99	7.49	7.99	8.49	8.99	9.49	9.99	10.49	10.99
4.24	4.74	5.24	5.74	6.24	8.74	7.24	7.74	8.24	8.74	9.24	9.74	10.24	10.74	11.24
4.49†	4.99†	5.49†	5.99†	6.49†	6.99†	7.49†	7.99†	8.49†	8.99†	9.49†	9.99†	10.49†	10.99†	11.49†
3.33	3.83	4.33	4.83	5.33	5.84	6.34	6.84	7.34	7.84	8.34	8.84	9.34	9.84	10.34
3.68	4.18	4.68	5.19	5.69	6.19	6.69	7.19	7.69	8.19	8.69	9.19	9.69	10.19	10.69
.....	2.85	3.36	3.86	4.37	4.87	5.37	5.87	6.38	6.88	7.38	7.88	8.38	8.88	9.38
4.19	4.69	5.19	5.69	6.19	6.69	7.19	7.69	8.19	8.69	9.19	9.69	10.19	10.69	11.19
.....	.....	3.04	3.55	4.06	4.56	5.06	5.57	6.07	6.57	7.07	7.57	8.08	8.58	9.08
3.37	3.88	4.38	4.88	5.38	5.88	6.38	6.88	7.39	7.89	8.39	8.89	9.39	9.89	10.39 ♥
4.04	4.54	5.04	5.54	6.04	6.54	7.04	7.54	8.04	8.54	9.04	9.54	10.04	10.54	11.04
3.06	3.57	4.07	4.57	5.08	5.58	6.08	6.58	7.08	7.58	8.08	8.58	9.08	9.59	10.09
4.54†	5.04†	5.54†	6.04†	6.54†	7.04†	7.54†	8.04†	8.54†	9.04†	9.54†	10.04†	10.54†	11.04†	11.54†
2.75	3.26	3.76	4.27	4.77	5.27	5.77	6.27	6.78	7.28	7.78	8.28	8.78	9.28	9.78
3.58	4.08	4.58	5.08	5.58	6.08	6.58	7.09	7.59	8.09	8.59	9.09	9.59	10.09	10.59
4.39†	4.89†	5.39†	5.89†	6.39†	6.89†	7.39†	7.89†	8.39†	8.89†	9.39†	9.89†	10.39†	10.89†	11.39†
.....	.....	3.13	3.64	4.15	4.65	5.16	5.66	6.16	6.67	7.17	7.67	8.17	8.67	9.17
3.11	3.61	4.12	4.62	5.12	5.83	6.13	6.63	7.13	7.63	8.13	8.83	9.13	9.63	10.13
4.08	4.58	5.09	5.59	6.09	6.59	7.09	7.59	8.09	8.59	9.09	9.59	10.09	10.59	11.09
2.63	3.14	3.65	4.16	4.66	5.16	5.67	6.17	6.67	7.17	7.67	8.18	8.68	9.18	9.68
3.78	4.28	4.78	5.28	5.78	6.28	6.78	7.29	7.79	8.29	8.79	9.29	9.79	10.29	10.79
4.34†	4.84†	5.34†	5.84†	6.34†	6.84†	7.34†	7.84†	8.34†	8.84†	9.34†	9.84†	10.34†	10.84†	11.34†
3.47	3.97	4.47	4.98	5.48	5.98	6.48	6.98	7.48	7.98	8.48	8.98	9.49♥	9.99 ♥	10.49 ♥
3.15	3.66	4.16	4.67	5.17	5.67	6.17	6.68	7.18	7.68	8.18	8.68	9.18	9.68	10.18
2.84	3.35	3.85	4.36	4.86	5.36	5.87	6.37	6.87	7.37	7.87	8.38	8.88	9.38	9.88
4.44†	4.94†	5.44†	5.94†	6.44†	6.94†	7.44†	7.94†	8.44†	8.94†	9.44†	9.94†	10.44†	10.94†	11.44†
2.51	3.03	3.54	4.05	4.55	5.06	5.56	6.06	6.56	7.07	7.57	8.07	8.57	9.07	9.57
4.28†	4.78†	5.29†	5.79†	6.29†	6.79†	7.29†	7.79†	8.29†	8.79†	9.29†	9.79†	10.29†	10.79†	11.29†
3.82	4.33	4.83	5.33	5.83	6.33	6.83	7.33	7.83	8.34	8.84	9.34	9.84	10.34	10.84
3.67	4.17	4.67	5.18	5.68	6.18	6.68	7.18	7.68	8.18	8.68	9.18	9.69	10.19	10.69
2.88	3.39	3.90	4.40	4.91	5.41	5.91	6.42	6.92	7.42	7.92	8.42	8.93	9.43	9.93
2.72	3.23	3.74	4.25	4.75	5.26	5.76	6.26	6.77	7.27	7.77	8.27	8.77	9.27	9.77
4.38†	4.89†	5.39†	5.89†	6.39†	6.89{	7.39†	7.89†	8.39†	8.89†	9.39†	9.89†	10.39†	10.89†	11.39†
.....	.....	.....	.....	3.36	3.88	4.39	4.90	5.41	5.92	6.42	6.93	7.43	7.94	8.44
.....	2.79	3.31	3.82	4.33	4.64	5.34	5.85	6.35	6.85	7.36	7.86	8.38	8.86	9.36
2.60	3.12	3.63	4.14	4.64	5.15	5.65	6.16	6.66	7.16	7.66	8.17	8.67	9.17	9.67
2.76	3.28	3.79	4.29	4.80	5.30	5.81	6.31	6.81	7.31	7.82	8.32	8.82	9.32	9.82
2.93	3.44	3.94	4.45	4.95	5.46	5.96	6.46	6.97	7.47	7.97	8.47	8.97	9.47	9.98
3.24	3.75	4.26	4.76	5.26	5.77	6.27	6.77	7.27	7.77	8.28	8.78	9.28 ♥	9.78 ♥	10.28♥
3.56	4.06	4.57	5.07	5.57	6.07	6.58	7.08	7.58	8.08	8.58 ♥	9.08 ♥	9.58 ♥	10.08 ♥	10.58 ♥
3.71	4.22	4.72	5.22	5.73	6.23	6.73	7.23	7.73	8.23	8.73	9.23	9.73	10.23	10.73
3.87	4.37	4.88	5.38	5.88	6.38	6.88	7.38	7.88	8.38	8.88	9.38	9.89	10.39	10.89
4.18†	4.68†	5.18†	5.68†	6.18†	6.68†	7.19†	7.69†	8.19†	8.69†	9.19†	9.69†	10.19†	10.69†	11.19†
4.33†	4.83†	5.33†	5.84†	6.34†	6.84†	7.34†	7.84†	8.34†	8.84†	9.34†	9.84†	10.34†	10.84†	11.34†
2.64	3.16	3.67	4.18	4.69	5.19	5.70	6.20	6.71	7.21	7.71	8.21	8.71	9.22	9.72
2.81	3.32	3.83	4.34	4.84	5.35	5.85	6.36	6.86	7.36	7.86	8.37	8.87	9.37	9.87
3.60	4.11	4.61	5.12	5.62	6.12	6.62	7.12	7.83	8.13 ♥	8.63 ♥	9.13 ♥	9.63 ♥	10.13 ♥	10.63 ♥
.....	.....	.....	.....	3.44	3.96	4.48	4.99	5.50	6.01	8.52	7.02	7.53	8.03	8.53
3.76	4.27	4.77	5.27	5.77	6.27	6.78	7.28	7.78	8.28	8.78	9.28	9.78	10.28	10.78
.....	2.88	3.39	3.91	4.42	4.93	5.43	5.94	6.44	6.95	7.45	7.95	8.45	8.96	9.46
4.23†	4.73†	5.23†	5.73†	6.23†	6.73†	7.23†	7.73†	8.24†	8.74†	9.24†	9.74†	10.24†	10.74†	11.24†
2.69	3.20	3.72	4.23	4.73	5.24	5.74	6.25	6.75	7.26	7.76	8.26	8.76	9.26	9.77
3.01	3.53	4.03	4.54	5.05	5.55	6.05	6.56	7.06	7.56	8.07	8.57	9.07	9.57 ♥	10.07 ♥
3.33	3.84	4.35	4.85	5.36	5.86	6.36	6.87	7.37	7.87	8.37 ♥	8.87 ♥	9.37 ♥	9.87 ♥	10.38 ♥

XL Belt Width Table

Belt Width Factor	.15	.28	.35	.42	.57	.71	.86	1.00	1.29	1.56
Belt Width	1/4	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2
Belt Width Code	025	037	043	050	062	075	087	100	125	150

Teeth in Mesh Factor (T.I.M)

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00
†	5	.80
‡	4	.60

Shaded area indicates stock belt widths

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SELECTION

DODGE

XL Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of Δ			Nominal C.D. Using DYNA-SYNC Belts					
				Driver		Driven										
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	60XL	70XL	80XL	90XL	100XL	110XL
1531	766	508	2.29	21XL	1.337	48XL	3.056	1.49	.75	.50	....	....	....	....	....	....
1531	766	508	2.29	14XL	.891	32XL	2.037	1.00	.50	.33	....	....	....	2.12†	2.63†	3.14†
1500	750	498	2.33	18XL	1.146	42XL	2.674	1.28	.64	.42	....	....	....	....	....	2.37†
1500	750	498	2.33	12XL	.764	28XL	1.783	.86	.43	.28	....	....	1.93‡	2.44†	2.95†	3.46†
1458	729	483	2.40	30XL	1.910	72XL	4.584	2.11	1.07	.71	....	....	....	....	....	....
1458	729	483	2.40	20XL	1.273	48XL	3.056	1.42	.72	.46	....	....	....	....	....	....
1458	729	483	2.40	15XL	.955	36XL	2.292	1.07	.53	.36	....	....	....	....	2.35†	2.87†
1432	716	475	2.44	18XL	1.146	44XL	2.801	1.28	.64	.42	....	....	....	....	....	2.24†
1400	700	464	2.50	24XL	1.528	60XL	3.820	1.71	.86	.56	....	....	....	....	....	....
1400	700	464	2.50	16XL	1.019	40XL	2.546	1.15	.58	.38	....	....	....	....	2.05†	2.58†
1400	700	464	2.50	12XL	.764	30XL	1.910	.86	.43	.28	....	....	1.80‡	2.32‡	....	3.35†
1375	688	456	2.55	11XL	.700	28XL	1.783	.79 ◊	.39	.26	....	....	1.97‡	2.49‡	2.84†	3.50†
1361	681	451	2.57	28XL	1.783	72XL	4.584	1.98	1.00	.66	....	....	....	1.86†	3.00‡	2.91†
1361	681	451	2.57	14XL	.891	36XL	2.292	1.00	.50	.33	....	....	....	....	2.39†	2.45†
1333	666	442	2.63	16XL	1.019	42XL	2.674	1.15	.58	.38	....	....	....	....	....	....
1312	656	435	2.67	18XL	1.146	48XL	3.056	1.28	.64	.42	....	....	....	....	....	....
1312	656	435	2.67	15XL	.955	40XL	2.546	1.07	.53	.36	....	....	....	....	2.09†	2.62†
1312	656	435	2.67	12XL	.764	32XL	2.037	.86	.43	.28	....	....	1.67‡	2. 20‡	2.72†	3.23†
1283	642	425	2.73	22XL	1.401	60XL	3.820	1.57	.79	.52	....	....	....	....	....	....
1283	642	425	2.73	11XL	.700	30XL	1.910	.79 ◊	.39	.26	....	....	1.85‡	2.37‡	2.88‡	3.39‡
1273	638	422	2.75	16XL	1.019	44XL	2.801	1.15	.58	.38	....	....	....	....	....	2.32†
1250	625	414	2.80	15XL	.955	42XL	2.674	1.07	.53	.36	....	....	....	....	....	2.50†
1225	613	406	2.86	21XL	1.337	60XL	3.820	1.49	.75	.50	....	....	....	....	....	....
1225	613	406	2.86	14XL	.891	40XL	2.546	1.00	.50	.33	....	....	....	....	2.13†	2.67†
1203	601	399	2.91	11XL	.700	32XL	2.037	.79 ◊	.39	.26	....	....	1.71§	2.25‡	2.78‡	3.28‡
1193	597	396	2.93	15XL	.955	44XL	2.801	1.07	.53	.36	....	....	....	....	....	2.36†
1167	583	387	3.00	24XL	1.528	72XL	4.584	1.71	.86	.56	....	....	....	....	....	....
1167	583	387	3.00	20XL	1.273	60XL	3.820	1.42	.72	.46	....	....	....	....	....	....
1167	583	387	3.00	16XL	1.019	48XL	3.056	1.15	.58	.38	....	....	....	....	....	....
1167	583	387	3.00	14XL	.891	42XL	2.874	1.00	.50	.33	....	....	....	....	1.99‡	2.54†
1167	583	387	3.00	12XL	.764	36XL	2.292	.86	.43	.28	....	....	....	1.94‡	2.48‡	3.00‡
1114	557	370	3.14	14XL	.891	44XL	2.801	1.00	.50	.33	....	....	....	....	....	2.40‡
1094	547	363	3.20	15XL	.955	48XL	3.056	1.07	.53	.36	....	....	....	....	....	....
1089	535	355	3.27	22XL	1.401	72XL	4.584	1.57	.79	.52	....	....	....	....	....	....
1089	535	355	3.27	11XL	.700	36XL	2.292	.79 ◊	.39	.26	....	....	....	1.98§	2.52‡	3.04‡
1050	525	348	3.33	18XL	1.146	60XL	3.820	1.28	.64	.42	....	....	....	....	....	....
1050	525	348	3.33	12XL	.764	40XL	2.546	.86	.43	.28	....	....	....	....	2.21‡	2.75‡
1021	510	338	3.43	21XL	1.337	72XL	4.584	1.49	.75	.50	....	....	....	....	....	....
1021	510	338	3.43	14XL	.891	48XL	3.056	1.00	.50	.33	....	....	....	....	....	....
1000	500	331	3.50	12XL	.764	42XL	2.874	.86	.43	.28	....	....	....	....	2.07‡	2.82‡
972	486	322	3.60	20XL	1.273	72XL	4.584	1.42	.72	.46	....	....	....	....	....	....
963	481	319	3.64	11XL	.700	40XL	2.546	.79 ◊	.39	.26	....	....	....	....	2.25§	2.79‡
955	477	316	3.67	12XL	.784	44XL	2.801	.86	.43	.28	....	....	....	....	....	2.48‡
933	467	309	3.75	16XL	1.019	60XL	3.820	1.15	.58	.38	....	....	....	....	....	....
917	458	304	3.82	11XL	.700	42XL	2.674	.79	.39	.26	....	....	....	....	2.11§	2.66‡
875	438	290	4.00	18XL	1.146	72XL	4.584	1.28	.64	.42	....	....	....	....	....	....
875	438	290	4.00	15XL	.955	60XL	3.820	1.07	.53	.36	....	....	....	....	....	....
875	438	290	4.00	12XL	.764	48XL	3.056	.86	.43	.28	....	....	....	....	....	2.19§
875	438	290	4.00	11XL	.700	44XL	2.801	.79 ◊	.39	.26	....	....	....	....	1.96§	2.52§
817	408	270	4.29	14XL	.891	60XL	3.820	1.00	.50	.33	....	....	....	....	....	....
802	401	266	4.36	11XL	.700	48XL	3.056	.79 ◊	.39	.26	....	....	....	....	....	2.23§
778	389	258	4.50	16XL	1.019	72XL	4.584	1.15	.58	.38	....	....	....	....	....	....
730	365	242	4.80	15XL	.955	72XL	4.584	1.07	.53	.36	....	....	....	....	....	....
700	350	232	5.00	12XL	.764	60XL	3.820	.86	.43	.28	....	....	....	....	....	....
681	340	226	5.14	14XL	.891	72XL	4.584	1.00	.50	.33	....	....	....	....	....	....
642	321	213	5.45	11XL	.700	60XL	3.820	.79 ◊	.39	.26	....	....	....	....	....	....
584	292	193	6.00	12XL	.764	72XL	4.584	.86	.43	.28	....	....	....	....	....	....
535	267	177	6.55	11XL	.700	72XL	4.584	.79 ◊	.39	.26	....	....	....	....	....	....

Δ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10-17.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

† ‡ § See Teeth in Mesh table on opposite page.

♥ Flanges Required on both pulleys.

XL Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

120XL	130XL	140XL	150XL	160XL	170XL	180XL	190XL	200XL	210XL	220XL	230XL	240XL	250XL	260XL
2.39	2.92	3.44	3.95	4.46	4.97	5.48	5.98	6.49	6.99	7.50	8.00	8.50	9.00	9.51
3.65	4.16	4.66	5.16	5.67	6.17	6.67	7.17♥	7.67♥	8.18♥	8.68♥	9.18♥	9.68♥	10.18♥	10.68♥
2.89	3.41	3.92	4.43	4.94	5.44	5.95	6.45	6.95	7.46	7.96	8.46	8.96	9.46 ♥	9. 97v
3.96†	4.47†	4.97†	5.47†	5.97†	6.48†	8.98†	7.48†	7.98†	8.48†	8.98†	9.48†	9.98†	10.48†	10.98†
....	....	....	....	....	....	3.65	4.18	4.70	5.22	5.74	6.25	6.76	7.27	7.78
2.43	2.96	3.48	4.00	4.51	5.02	5.52	6.03	6.53	7.00	7.54	8.05	8.55	9.05	9.55
3.38	3.89	4.39	4.90	5.40	5.91	8.41	6.91	7.42	7.92♥	8.42♥	8.92♥	9.42♥	9.92♥	10.42♥
2.77	3.29	3.81	4.32	4.82	5.33	5.84	6.34	6.85	7.35	7.85	8.35	8.86	9.36♥	9. 86♥
....	....	....	3.08	3.61	4.14	4.65	5.17	5.68	6.19	6.70	7.20	7.71	8.22	8.72
3.10	3.61	4.12	4.63	5.14	5.64	6.15	6.65	7.15	7.66	8.16♥	8.66♥	9.16♥	9.67♥	10.17♥
3.85†	4.36†	4.86†	5.36†	5.87†	6.37†	6.87†	7.37†	7.87†	8.38†	8.88†	9.38†	9.88†	10.38†	10.88†
4.01†	4.51†	5.02†	5.52†	6.02†	6.52†	7.02†	7.53†	8.03†	8.53†	9.03†	9.53†	10.03†	10.53†	11.03†
....	....	....	....	....	....	3.73	4.26	4.79	5.31	5.83	6.34	6.85	7.36	7.87
3.42	3.93	4.44	4.95	5.45	5.95	6.46	6.96	7.46♥	7.96♥	8.47♥	8.97♥	9.47♥	9.97♥	10.47♥
2.98	3.50	4.01	4.52	5.03	5.53	6.04	8.54	7.05	7.55	8.05	8.56©	9.06©	9.56♥	10.06♥
2.51	3.04	3.57	4.08	4.60	5.11	5.61	6.12	6.63	7.13	7.64	8.14	8.64	9.15	9.65♥
3.14	3.66	4.17	4.68	5.18	5.69	6.19	6.70	7.20♥	7.70♥	8.21♥	8.71♥	9.21♥	9.71♥	10.21♥
3.74†	4.25†	4.75†	5.26†	5.76†	6.26†♥	6.77†♥	7.27†♥	7.77†♥	8.27†♥	8.77†♥	9.27†♥	9.77†♥	10.28†♥	10.78†♥
....	....	....	3.16	3.70	4.22	4.74	5.26	5.77	6.28	6.79	7.30	7.80	8.31	8.81
3.90‡	4.40†	4.91†	5.41†	5.91†	6.42†	6.92†	7.42†	7.92†	8.42†	8.93†	9.43†	9.93†	10.43†	10.93†
2.86	3.38	3.89	4.41	4.91	5.42	5.93	6.43	6.94	7.44	7.95	8.45♥	8.95♥	9.45♥	9.96♥
3.02	3.54	4.05	4.56	5.07	5.58	8.06	6.59	7.09	7.60	8.10♥	8.60♥	9.11♥	9.61♥	10.11♥
....	....	....	3.20	3.74	4.26	4.78	5.30	5.81	6.32	8.83	7.34	7.85	8.35	8.86
3.19†	3.70†	4.21	4.72	5.23	5.74	6.24	6.74	7.25♥	7.75♥	8.25♥	8.76♥	9.26♥	9.78♥	10.26♥
3.79‡	4.29‡	4.80†	5.30†	5.81†♥	6.31†♥	6.81†♥	7.31†♥	7.82†♥	8.32†♥	8.82†♥	9.32†♥	9.82†♥	10.32†♥	10.82†♥
2.90	3.42	3.94	4.45	4.96	5.47	5.97	6.48	6.98	7.49	7.99♥	8.50♥	9.00♥	9.50♥	10.00♥
....	....	....	....	....	3.34	3.89	4.43	4.96	5.48	6.00	6.52	7.03	7.54	8.05
....	....	....	3.24	3.78	4.31	4.83	5.34	5.86	6.37	6.88	7.39	7.89	8.40	8.90
2.59‡	3.13	3.65	4.17	4.68	5.20	5.70	6.21	6.72	7.22	7.73	8.23♥	8.74♥	9.24♥	9.74♥
3.07‡	3.58†	4.10†	4.61	5.12	5.62	6.13	6.64	7.14♥	7.64♥	8.15♥	8.65♥	9.15♥	9.65♥	10.16♥
3.51‡	4.02†	4.53†	5.04†	5.54†	6.05†	6.55†♥	7.05†♥	7.56†♥	8.06†♥	8.56†♥	9.06†♥	9.57†♥	10.07†♥	10.57†♥
2.94†	3.46†	3.98‡	4.49	5.00	5.51	6.02	6.53	7.03	7.53♥	8.04♥	8.54♥	9.05♥	9.55♥	10.05♥
2.63†	3.17‡	3.70	4.21	4.73	5.24	5.75	6.26	6.76	7.27	7.77♥	8.26♥	8.78♥	9.29♥	9.79♥
....	....	....	....	....	3.42	3.97	4.51	5.04	5.57	6.09	6.60	7.12	7.83	8.14
3.56‡	4.07‡	4.58‡	5.08‡	5.59‡	6.09†♥	6.60†♥	7.10†♥	7.60†♥	8.11†♥	8.61†♥	9.11†♥	9.61†♥	10.11†♥	10.62†♥
	....	2.77	3.32	3.86	4.39	4.91	5.43	5.94	6.46	6.97	7.48	7.98	8.49	9.00
3.27‡	3.79†	4.30‡	4.81†	5.32†	5.83†	6.33†♥	6.84†♥	7.34†♥	7.84†♥	8.35†♥	8.85†♥	9.35†♥	9.86†♥	10.36†♥
....	....	....	....	....	3.46	4.01	4.55	5.08	5.61	6.13	6.65	7.16	7.67	8.18
2.67‡	3.21†	3.74†	4.26†	4.77†	5.28	5.79	6.30	6.81	7.32♥	7.82♥	8.33♥	8.83♥	9.33♥	9.84♥
3.15‡	3.67‡	4.19†	4.70†	5.21†	5.72†	6.22†♥	6.73†♥	7.23†♥	7.74†♥	8.24†♥	8.74†♥	9.25†♥	9.75†♥	10.25†♥
....	....	....	....	....	3.50	4.05	4.59	5.13	5.65	6.17	6.69	7.20	7.72	8.23
3.32‡	3.83‡	4.35‡	4.86‡	5.37‡	5.87†♥	6.38‡♥	6.88†♥	7.39†♥	7.89†♥	8.39†♥	8.90†♥	9.40†♥	9.90†♥	10.40†♥
3.02‡	3.55‡	4.07‡	4.58†	5.09†	5.60†	6.11‡	6.62†♥	7.12†♥	7.63†♥	8.13†♥	8.64†♥	9.14†♥	9.64†♥	10.14†♥
....	...	2.84‡	3.40‡	3.94	4.47	5.00	5.52	6.03	6.55	7.06	7.57	8.07	8.55♥	9.09♥
3.19‡	3.71‡	4.23‡	4.74‡	5.25‡	5.76‡	6.27♥	6.77‡♥	7.28‡♥	7.78†♥	8.29†♥	8.79†♥	9.29†♥	9.80†♥	10.30†♥
....	....	....	....	....	3.57	4.13	4.68	5.21	5.74	6.26	6.78	7.29	7.81	8.32
....	....	2.88‡	3.44‡	3.99‡	4.52†	5.04	5.56	6.08	8.59	7.10	7.61	8.12♥	8.63♥	9.13♥
2.75‡	3.29‡	3.82‡	4.34‡	4.86‡	5.37‡	5.88‡	6.39†♥	6.90‡♥	7.41†♥	7.91†♥	8.42†♥	8.92†♥	9.43†♥	9.93‡
3.06‡	3.59‡	4.11‡	4.63‡	5.14‡	5.65‡♥	6.16‡♥	6.66‡♥	7.17‡♥	7.67‡♥	8.18‡♥	8.68†♥	9.19†♥	9.69†♥	10.19†♥
	....	2.92‡	3.48‡	4.03‡	4.56†	5.08†	5.60†	6.12†	6.63†	7.15♥	7.66♥	8.16♥	8.67♥	9.18♥
2.79§	3.34‡	3.86‡	4.39†	4.90‡	5.42‡	5.93‡♥	6.44‡♥	6.95‡♥	7.45‡♥	7.96‡♥	8.46♥	8.97‡♥	9.47†♥	9.98†♥
....	....	....	....	3.06‡	3.65†	4.21†	4.76†	5.29	5.82	6.34	6.86	7.38	7.89	8.41♥
....	....	....	....	3.10‡	3.69‡	4.25†	4.80†	5.33†	5.86†	6.39	6.91	7.42	7.94♥	8.45♥
....	....	3.00	3.56‡	4.11‡	4.64‡	5.17‡	5.69‡	6.21‡♥	6.72‡♥	7.23‡♥	7.74†♥	5.25†♥	8.76‡♥	9.27†♥
....	....	....	....	3.14‡	3.73‡	4.29‡	4.84†	5.38‡	5.90†	8.43‡	8.95†	7.47†♥	7.98†♥	8.49†♥
....	....	3.04§	3.60§	4.15‡	4.68‡	5.21‡	5.73‡♥	6.25‡♥	6.77‡♥	7.28‡♥	7.79‡♥	8.30‡♥	8.81‡♥	9.31‡♥
....	....	....	....	3.21§	3.81§	4.37‡	4.92‡	5.46‡	5.99‡	6.51‡♥	7.03‡♥	7.55‡♥	8.07‡♥	8.58‡♥
....	....	....	....	3.25§	3.84§	4.41§	4.96§	5.50‡	6.03‡♥	6.56‡♥	7.08‡♥	7.60‡♥	8.11‡♥	8.63‡♥

XL Belt Width Table

Belt Width Factor	.15	.28	.35	.42	.57	.71	.86	1.00	1.29	1.56
Belt Width	1/4	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2
Belt Width Code	025	037	043	050	062	075	087	100	125	150

Teeth in Mesh Factor (T.I.M)

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00
†	5	.80

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
‡	4	.60
§	3	.40

FEATURES/BENEFITS PAGE PT10-2	SPECIFICATIONS PAGE PT10-3	SELECTION PAGE PT10-14	ENGINEERING/TECHNICAL PAGE PT10-44

SELECTION

L Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of Δ			Nominal C.D. Using DYNA-SYNC Belts					
				Driver		Driven										
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	124L	150L	187L	210L	225L	240L
3500	1750	1160	1.00	48L	5.730	48L	5.730	6.27	4.06	2.81	....	....	....	....	....	....
3500	1750	1160	1.00	40L	4.775	40L	4.775	5.87	3.47	2.36	....	....	....	....	....	....
3500	1750	1160	1.00	32L	3.820	32L	3.820	5.10	2.83	1.91	....	....	....	4.51	5.26	6.01
3500	1750	1160	1.00	30L	3.581	30L	3.581	4.86	2.66	1.79	....	....	....	4.88	5.63	6.38
3500	1750	1160	1.00	28L	3.342	28L	3.342	4.71	2.49	1.67	....	....	4.13	5.26	6.01	6.76
3500	1750	1160	1.00	26L	3.104	26L	3.104	4.35	2.32	1.56	....	....	4.51	5.83	6.38	7.13
3500	1750	1160	1.00	24L	2.865	24L	2.865	4.06	2.15	1.44	....	....	4.88	6.01	6.76	7.51
3500	1750	1160	1.00	22L	2.626	22L	2.626	3.77	1.98	1.32	....	3.38	5.26	6.39	7.13	7.89
3500	1750	1160	1.00	20L	2.387	20L	2.387	3.46	1.80	1.20	....	3.76	5.63	6.76	7.51	8.26
3500	1750	1160	1.00	18L	2.149	18L	2.149	3.15	1.62	1.08	2.82	4.13	6.01	7.14	7.89	8.64
3500	1750	1160	1.00	16L	1.910	16L	1.910	2.83	1.45	.97	3.20	4.51	6.39	7.51	8.26	9.01
3500	1750	1160	1.00	14L	1.671	14L	1.671	2.49◊	1.27	.85	3.57	4.89	6.76	7.89	8.64	9.39
....	1750	1160	1.00	12L	1.432	12L	1.432	....	1.09◊	.72	3.95	5.26	7.14	8.26	9.01	9.76
....	1750	1160	1.00	10L	1.194	10L	1.194	....	.91◊	.60◊	4.32†	5.64†	7.51◊	8.64†	9.39†	10.14†
3281	1641	1087	1.07	30L	3.581	32L	3.820	4.86	2.66	1.79	....	....	....	4.69	5.44	6.19
3267	1633	1083	1.07	28L	3.342	30L	3.581	4.61	2.49	1.67	....	....	3.94	5.07	5.82	6.57
3250	1625	1077	1.08	26L	3.104	28L	3.342	4.35	2.32	1.56	....	....	4.32	5.44	6.19	6.95
3231	1615	1071	1.08	24L	2.865	26L	3.104	4.06	2.15	1.44	....	....	4.69	5.82	6.57	7.32
3208	1604	1063	1.09	22L	2.626	24L	2.865	3.77	1.98	1.32	....	....	5.07	6.20	6.95	7.70
3182	1591	1055	1.10	20L	2.387	22L	2.626	3.46	1.80	1.20	....	3.57	5.45	6.57	7.32	8.07
3150	1575	1044	1.11	18L	2.149	20L	2.387	3.15	1.62	1.08	....	3.94	5.82	6.95	7.70	8.45
3111	1556	1031	1.13	16L	1.910	18L	2.149	2.83	1.45	.97	....	4.32	6.20	7.32	8.07	8.82
3063	1531	1015	1.14	28L	3.342	32L	3.820	4.61	2.49	1.67	....	....	....	4.88	5.63	6.38
3036	1531	1015	1.14	14L	1.671	16L	1.910	2.49◊	1.27	.85	3.38	4.70	6.57	7.70	8.45	9.20
3033	1517	1005	1.15	26L	3.104	30L	3.581	4.35	2.32	1.56	....	....	4.12	5.25	6.00	6.75
3000	1500	994	1.17	24L	2.865	28L	3.342	4.06	2.15	1.44	....	....	4.50	5.63	6.38	7.13
....	1500	994	1.17	12L	1.432	14L	1.671	....	1.09◊	.72	3.76†	5.07†	6.95†	8.07†	8.83†	9.57◊
2962	1481	982	1.18	22L	2.626	26L	3.104	3.77	1.62	1.32	....	....	4.88	6.00	6.76	7.51
2917	1458	967	1.20	40L	4.775	48L	5.730	5.87	3.47	2.36	....	....	....	....	....	....
2917	1458	967	1.20	20L	2.387	24L	2.865	3.46	1.80	1.20	....	3.37	5.25	6.38	7.13	7.88
....	1458	967	1.20	10L	1.194	12L	1.432	....	.91◊	.60◊	4.13‡	5.45‡	7.32‡	8.45‡	9.20‡	9.95‡
2864	1432	949	1.22	18L	2.149	22L	2.626	3.15	1.62	1.08	....	3.75	5.63	6.76	7.51	8.26
2844	1422	943	1.23	26L	3.104	32L	3.820	4.35	2.32	1.56	....	....	....	5.06	5.81	6.56
2800	1400	928	1.25	48L	5.730	60L	7.162	6.27	4.06	2.81	....	....	....	....	....	....
2800	1400	928	1.25	32L	3.820	40L	4.775	5.10	2.83	1.91	....	....	....	....	....	5.29
2800	1400	928	1.25	24L	2.865	30L	3.581	4.06	2.15	1.44	....	....	4.31	5.43	6.19	6.94
2800	1400	928	1.25	16L	1.910	20L	2.387	2.83	1.45	.97	2.81	4.13	6.01	7.13	7.88	8.63
2750	1375	911	1.27	22L	2.626	28L	3.342	3.77	1.98	1.32	....	....	....	5.81	6.56	7.31
2722	1361	902	1.29	14L	1.671	18L	2.149	2.49◊	1.27	.85	3.19	4.50	6.38	7.51	8.26	9.01
2692	1346	892	1.30	20L	2.387	26L	3.104	3.46	1.80	1.20	....	....	5.06	6.19	6.94	7.69
2625	1313	870	1.33	30L	3.581	40L	4.775	4.86	2.66	1.79	....	....	....	....	4.66	5.41
2625	1313	870	1.33	24L	2.865	32L	3.820	4.06	2.15	1.44	....	....	4.10	5.24	5.99	6.74
2625	1313	870	1.33	18L	2.149	24L	2.865	3.15	1.62	1.08	3.56†	3.55	5.44	6.56	7.31	8.06
....	1313	870	1.33	12L	1.432	16L	1.910	....	1.09◊	.72	....	4.88†	6.76†	7.88†	8.63†	9.38†
2567	1283	851	1.36	22L	2.626	30L	3.581	3.77	1.98	1.32	....	....	4.48	5.61	6.37	7.12
2545	1273	844	1.38	16L	1.910	22L	2.626	2.83	1.45	.97	2.61	3.93	5.81	6.94	7.69	8.44
2500	1250	829	1.40	20L	2.387	28L	3.342	3.46	1.80	1.20	....	....	4.86	5.99	6.74	7.49
....	1250	829	1.40	10L	1.194	14L	1.671	....	.91◊	.60◊	3.94‡	5.26‡	7.13‡	8.26‡	9.01‡	9.76‡
2450	1225	812	1.43	28L	3.342	40L	4.775	4.61	2.49	1.67	....	....	....	....	4.83	5.59
2450	1225	812	1.43	14L	1.671	20L	2.387	2.49◊	1.27	.85	2.99	4.31	6.19	7.32	8.07	8.82

Δ HP ratings are for conventional speed-reduction drives.
For Speed-Up Drives refer to page PT10-17.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

† ‡ § See Teeth in Mesh table on opposite page.

L Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

255L	270L	285L	300L	322L	345L	367L	390L	420L	450L	480L	510L	540L	600L
....	....	....	....	7.13	8.26	9.38	10.51	12.01	13.51	15.01	16.51	18.01	21.01
5.26	6.01	6.76	7.51	8.63	9.76	10.88	12.01	13.51	15.01	16.51	18.01	19.51	22.51
6.76	7.51	8.26	9.01	10.14	11.26	12.39	13.51	15.01	16.51	18.01	19.51	21.01	24.01
7.13	7.88	8.63	9.39	10.51	11.64	12.76	13.89	15.39	16.89	18.39	19.89	21.39	24.39
7.51	5.26	9.01	9.76	10.89	12.01	13.14	14.26	15.76	17.26	18.76	20.26	21.76	24.76
7.88	8.63	9.39	10.14	11.26	12.39	13.51	14.64	16.14	17.64	19.14	20.64	22.14	25.14
8.26	9.01	9.76	10.51	11.64	12.76	13.89	15.01	16.51	18.01	19.51	21.01	22.51	25.50
8.64	9.39	10.14	10.89	12.01	13.14	14.26	15.39	16.89	18.39	19.89	21.39	22.89	25.89
9.01	9.76	10.51	11.26	12.39	13.51	14.64	15.76	17.26	18.76	20.26	21.76	23.26	26.26
9.39	10.14	10.89	11.64	12.76	13.89	15.01	16.14	17.64	19.14	20.64	22.14	23.64	26.64
9.76	10.51	11.26	12.01	13.14	14.26	15.39	16.51	18.01	19.51	21.01	22.51	24.01	27.01
10.14	10.89	11.64	12.39	13.51	14.64	15.76	16.89	19.89	19.89	21.39	22.89	24.39	27.39
10.51	11.26	12.01	12.76	13.89	15.01	16.14	17.26	18.40	20.26	21.76	23.26	24.76	27.76
10.89†	11.64†	12.39†	13.14†	14.26†	15.39†	16.51†	17.64†	19.14†	20.64†	22.14†	23.64†	25.14†	28.14†
6.94	7.69	8.45	9.20	10.32	11.47	12.57	13.70	15.20	16.70	18.20	19.70	21.20	24.20
7.32	8.07	8.82	9.57	10.70	11.82	12.95	14.07	15.57	17.07	18.57	20.07	21.57	24.57
7.70	8.45	9.20	9.95	11.07	12.20	13.32	14.45	15.95	17.45	18.95	20.45	21.95	24.95
8.07	8.82	9.57	10.32	11.45	12.57	13.70	14.82	16.33	17.82	19.32	20.82	22.33	25.33
8.45	9.20	9.95	10.70	11.82	12.95	14.07	15.20	16.70	18.20	19.70	21.20	22.70	25.70
8.82	9.57	10.32	11.07	12.20	13.33	14.45	15.58	17.07	18.57	20.08	21.58	23.08	26.08
9.20	9.95	10.70	11.45	12.57	13.70	14.82	15.95	17.45	18.95	20.45	21.95	23.45	26.45
9.57	10.32	11.07	11.83	12.95	14.07	15.20	16.33	17.83	19.32	20.82	22.33	23.83	26.83
7.13	7.88	8.63	9.38	10.51	11.63	12.76	13.88	15.38	16.89	18.39	19.89	21.39	24.39
9.95	10.70	11.45	12.20	13.33	14.45	15.58	16.70	18.20	19.70	21.20	22.70	24.20	27.20
7.51	8.26	9.01	9.76	10.88	12.01	13.14	14.26	15.76	17.26	18.76	20.26	21.76	24.76
7.88	8.63	9.38	10.13	11.26	12.38	13.51	14.64	16.13	17.64	19.13	20.64	22.14	25.14
10.32†	11.07†	11.83†	12.58†	13.70†	14.83†	15.95†	17.08†	18.57†	20.08†	21.58†	23.08†	24.58†	27.58
8.26	9.01	9.76	10.51	11.63	12.76	13.88	15.01	16.51	18.01	19.51	21.01	22.51	25.51
....	....	5.99	6.74	7.87	9.00	10.12	11.25	12.75	14.25	15.75	17.25	18.76	21.76
8.63	9.38	10.13	10.88	12.01	13.13	14.26	15.38	16.89	18.39	19.89	21.39	22.89	25.89
10.70‡	11.45‡	12.20‡	12.95‡	14.08‡	15.20‡	16.33‡	17.45‡	18.95‡	20.45‡	21.95‡	23.45‡	24.95‡	27.95‡
9.01	9.76	10.51	11.26	12.39	13.51	14.64	15.76	17.26	18.76	20.26	21.76	23.36	26.26
7.31	8.06	8.81	9.57	10.69	11.82	12.94	14.11	15.57	17.07	18.57	20.07	21.57	24.57
....	....	....	....	....	7.45	8.58	9.36	10.86	12.36	13.87	15.37	16.87	19.87
5.99	6.74	7.49	8.25	9.37	10.50	11.62	12.75	14.25	15.75	17.26	18.76	20.26	23.26
7.69	8.44	9.19	9.04	11.07	12.19	13.32	14.44	15.94	17.45	18.95	20.45	21.95	24.95
9.38	10.13	10.88	11.64	12.76	13.89	15.01	16.13	17.64	19.14	20.64	22.14	23.64	26.64
8.06	8.81	9.57	10.32	11.44	12.57	13.69	14.82	16.32	17.82	19.32	20.82	22.32	25.32
9.76	10.51	11.26	12.01	13.14	14.26	15.39	16.51	18.01	19.51	21.01	22.51	24.01	27.01
8.44	9.19	9.94	10.69	11.82	12.94	14.11	15.20	16.70	18.20	19.70	21.20	22.70	25.70
6.17	6.92	7.67	8.43	9.55	10.68	11.81	12.93	14.44	15.94	17.44	18.94	20.44	23.44
7.49	8.25	9.00	9.75	10.88	12.00	13.13	14.25	15.75	17.26	18.76	20.26	21.76	24.76
8.82	9.57	10.32	11.07	12.19	13.32	14.45	15.57	17.07	18.57	20.07	21.57	23.07	26.07
10.13†	10.88†	11.64†	12.39†	13.51†	14.64†	15.76†	16.89†	18.39†	19.89†	21.39†	22.89†	24.39†	27.39†
7.87	8.62	9.37	10.13	11.25	12.38	13.50	14.63	16.13	17.63	19.13	20.63	22.13	25.13
9.19	9.94	10.69	11.44	12.57	13.70	14.82	15.95	17.45	18.95	20.45	21.95	23.45	26.45
8.25	9.00	9.75	10.50	11.63	12.75	13.88	15.00	16.51	18.01	19.51	21.01	22.51	25.51
10.51‡	11.26‡	12.01‡	12.76‡	13.89‡	15.01‡	16.14‡	17.26‡	18.76‡	20.26‡	21.77‡	23.36‡	24.76‡	27.76‡
6.34	7.10	7.85	8.60	9.73	10.86	11.99	13.12	14.62	16.12	17.62	19.12	20.63	23.63
9.57	10.32	11.07	11.82	12.95	14.11	15.20	16.32	17.82	19.32	20.82	22.32	23.82	26.82

L Belt Width Table

Belt Width Factor	.28	.35	.45	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36
Belt Width	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3
Belt Width Code	037	043	050	062	075	087	100	125	150	175	200	250	300

Teeth in Mesh Factor (T.I.M)

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00
†	5	.80

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
‡	4	.60

FEATURES/BENEFITS PAGE PT10-2	SPECIFICATIONS PAGE PT10-3	SELECTION PAGE PT10-14	ENGINEERING/TECHNICAL PAGE PT10-44

SELECTION

L Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of Δ			Nominal C.D. Using DYNA-SYNC Belts					
				Driver		Driven										
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	124L	150L	187L	210L	225L	240L
2423	1212	803	1.44	18L	2.149	26L	3.104	3.15	1.62	1.08	....	....	5.24	6.37	7.12	7.87
2406	1203	798	1.45	22L	2.626	32L	3.820	3.77	1.98	1.32	....	....	4.28	5.41	6.17	6.92
2333	1167	733	1.50	48L	5.730	72L	8.594	6.27	4.06	2.81	....	....	....	....	....	....
2333	1167	733	1.50	40L	4.775	60L	7.162	5.87	3.47	2.36	....	....	....	....	....	....
2333	1167	733	1.50	32L	3.820	48L	5.730	5.10	2.83	1.91	....	....	....	....	....	....
2333	1167	733	1.50	20L	2.387	30L	3.581	3.46	1.80	1.20	....	....	4.66	5.79	6.54	7.30
2333	1167	733	1.50	16L	1.910	24L	2.865	2.83	1.45	.97	....	3.73	5.61	6.74	7.50	8.25
....	1167	733	1.50	12L	1.432	18L	2.149	....	1.09◊	.72	3.36†	4.68†	6.56†	7.69†	8.44†	9.19†
2275	1138	754	1.54	26L	3.104	40L	4.775	4.35	2.32	1.56	....	....	....	4.24	5.00	5.76
2250	1125	746	1.56	18L	2.149	28L	3.342	3.15	1.62	1.08	....	....	5.04	6.07	6.92	7.67
2227	1114	738	1.57	14L	1.671	22L	2.626	2.49◊	1.27	.85	2.78	4.11	5.99	7.12	7.87	8.62
2188	1094	725	1.60	30L	3.581	48L	5.730	4.86	2.66	1.79	....	....	....	....	....	....
2188	1094	725	1.60	20L	2.387	32L	3.820	3.46	1.80	1.20	....	....	4.45	5.59	6.34	7.10
....	1094	725	1.60	10L	1.194	16L	1.910	....	.91◊	.60◊	3.74‡	5.06‡	6.94‡	8.07‡	8.82‡	9.57‡
2154	1077	714	1.63	16L	1.910	26L	3.104	2.83	1.45	.97	....	3.52	5.41	6.55	7.30	8.05
2100	1050	696	1.67	24L	2.865	40L	4.775	4.06	2.15	1.44	....	....	....	4.40	5.17	5.93
2100	1050	696	1.67	18L	2.149	30L	3.581	3.15	1.62	1.08	....	2.92	4.83	5.97	6.72	7.48
....	1050	696	1.67	12L	1.432	20L	2.387	....	1.09◊	.72	3.16†	4.48†	6.37†	7.50†	8.25†	9.00†
2042	1021	677	1.71	28L	3.342	48L	5.730	4.61	2.49	1.67	....	....	....	....	....	4.73
2042	1021	677	1.71	14L	1.671	24L	2.865	2.49◊	1.27	.85	....	3.90	5.79	6.92	7.67	8.43
2000	1000	663	1.75	48L	5.730	84L	10.027	6.27	4.06	2.81	....	....	....	....	....	....
2000	1000	663	1.75	16L	1.910	28L	3.342	2.83	1.45	.97	....	....	5.21	6.34	7.10	7.85
1969	985	652	1.78	18L	2.149	32L	3.820	3.15	1.62	1.08	....	....	4.62	5.76	6.52	7.27
1944	972	644	1.80	40L	4.775	72L	8.594	5.87	3.47	2.36	....	....	....	....	....	....
....	972	644	1.80	10L	1.194	18L	2.149	....	.91◊	.60◊	3.54‡	4.86‡	6.74‡	7.87‡	8.62‡	9.38‡
1925	963	638	1.82	22L	2.626	40L	4.775	3.77	1.98	1.32	....	....	....	4.57	5.34	6.10
....	955	633	1.83	12L	1.432	22L	2.626	....	1.09◊	.72	2.95†	4.28†	6.17†	7.50†	8.05†	8.80†
1896	948	628	1.85	26L	3.104	48L	5.730	4.35	2.32	1.56	....	....	....	....	....	4.89
1885	942	625	1.86	14L	1.671	26L	3.104	2.49◊	1.27	.85	....	3.69	5.59	6.72	7.48	8.23
1867	933	619	1.88	32L	3.820	60L	7.162	5.10	2.83	1.91	....	....	....	....	....	....
1867	933	619	1.88	16L	1.910	30L	3.581	2.83	1.45	.97	....	....	5.00	6.14	6.90	7.65
1750	875	580	2.00	30L	3.581	60L	7.162	4.86	2.66	1.79	....	....	....	....	....	....
1750	875	580	2.00	24L	2.865	48L	5.730	4.06	2.15	1.44	....	....	....	....	....	5.05
1750	875	580	2.00	20L	2.387	40L	4.775	3.46	1.80	1.20	....	....	....	4.73	5.50	6.27
1750	875	580	2.00	16L	1.910	32L	3.820	2.83	1.45	.97	....	....	4.79	5.93	6.69	7.45
1750	875	580	2.00	14L	1.671	28L	3.342	2.49	1.27	.85	....	3.47	5.38	6.52	7.27	8.03
....	875	580	2.00	12L	1.432	24L	2.865	....	1.09◊	.72	2.72†	4.07†	5.97†	7.10†	7.85†	8.61†
....	875	580	2.00	10L	1.194	20L	2.387	....	.91◊	.60◊	3.33‡	4.66‡	6.55‡	7.68‡	8.43‡	9.18‡
1667	833	552	2.10	40L	4.775	84L	10.027	5.87	3.47	2.36	....	....	....	....	....	....
1633	817	541	2.14	28L	3.342	60L	7.162	4.61	2.49	1.67	....	....	....	....	....	....
1633	817	541	2.14	14L	1.671	30L	3.581	2.49◊	1.27	.85	....	3.24†	5.17	6.31	7.07	7.83
....	808	535	2.17	12L	1.432	26L	3.104	....	1.09◊	.72	....	3.85†	5.76†	6.90†	7.65†	8.41†
1604	802	532	2.18	22L	2.626	48L	5.730	3.77	1.98	1.32	....	....	....	....	....	5.21
....	795	527	2.20	10L	1.194	22L	2.626	....	.91◊	.60◊	3.11‡	4.45‡	6.35‡	7.48‡	8.23‡	8.98‡
1575	788	522	2.22	18L	2.149	40L	4.775	3.15	1.62	1.08	....	....	....	4.89	5.67	6.44
1556	778	516	2.25	32L	3.820	72L	8.594	5.10	2.83	1.91	....	....	....	....	....	....
1531	766	507	2.29	14L	1.671	32L	3.820	2.49◊	1.27	.85	....	....	4.95†	6.10	6.86	7.62
1517	758	503	2.31	26L	3.104	60L	7.162	4.35	2.32	1.56	....	....	....	....	....	....

Δ HP ratings are for conventional speed-reduction drives.
For Speed-Up Drives refer to page PT10-17.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

† ‡ See Teeth in Mesh table on opposite page.

L Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

255L	270L	285L	300L	322L	345L	367L	390L	420L	450L	480L	510L	540L	600L
8.62	9.37	10.13	10.88	12.00	13.13	14.25	15.38	16.88	18.38	19.88	21.38	22.88	25.88
7.67	8.43	9.18	9.93	11.06	12.18	13.31	14.44	15.94	17.44	18.94	20.44	21.94	24.94
....	....	....	....	....	....	....	8.13	9.65	11.17	12.68	14.19	15.69	18.70
....	....	....	....	6.65	7.79	8.93	10.06	11.57	13.08	14.59	16.09	17.60	20.60
5.17	5.93	6.69	7.45	8.58	9.71	10.84	11.97	13.48	14.98	16.48	17.99	19.49	22.49
8.05	8.80	9.55	10.31	11.43	12.56	13.69	14.81	16.31	17.81	19.32	20.82	22.32	25.32
9.00	9.75	10.50	11.24	12.38	13.50	14.63	15.76	17.26	18.76	20.26	21.76	23.26	26.26
9.94†	10.69†	11.44†	12.20†	13.32†	14.45†	15.57†	16.70†	18.20†	19.70†	21.20†	22.70†	24.20†	27.20†
6.52	7.27	8.03	8.78	9.91	11.04	12.17	13.30	14.80	16.30	17.80	19.31	20.81	23.81
8.43	9.18	9.93	10.68	11.81	12.94	14.06	15.19	16.69	18.19	19.69	21.19	22.69	25.69
9.37	10.13	10.88	11.63	12.75	13.88	15.00	16.13	17.63	19.13	20.63	22.13	23.63	26.63
5.34	6.10	6.86	7.62	8.75	9.89	11.02	12.15	13.66	15.16	16.66	18.17	19.67	22.67
7.85	8.60	9.36	10.11	11.24	12.37	13.49	14.62	16.12	17.62	19.12	20.63	22.13	25.13
10.32‡	11.07‡	11.82‡	12.57‡	13.70‡	14.82‡	15.95‡	17.07‡	18.57‡	20.07‡	21.57‡	23.07‡	24.57‡	27.57‡
8.80	9.55	10.31	11.06	12.19	13.31	14.44	15.56	17.06	18.56	20.07	21.57	23.07	26.07
6.69	7.45	8.20	8.96	10.09	11.22	12.35	13.48	14.98	16.48	17.99	19.49	20.99	23.99
8.23	8.98	9.73	10.49	11.61	12.74	13.87	14.99	16.50	18.00	19.50	21.00	22.50	25.50
9.75†	10.50†	11.25†	12.00†	13.13†	14.25†	15.38†	16.51†	18.01†	19.51†	21.01†	22.51†	24.01†	27.01†
5.50	6.27	7.03	7.79	8.93	10.06	11.20	12.33	13.83	15.34	16.84	18.35	19.85	22.86
9.18	9.93	10.68	11.43	12.56	13.69	14.81	15.94	17.44	18.94	20.44	21.94	23.44	26.44
....	....	....	....	....	....	....	....	8.35	9.90	11.43	12.96	14.47	17.50
8.61	9.36	10.11	16.86	11.99	13.12	14.24	15.37	16.87	18.37	19.88	21.38	22.88	25.88
8.03	8.78	9.53	10.29	11.42	12.55	13.67	14.80	16.30	17.80	19.31	20.81	22.31	25.31
....	....	....	....	....	....	7.64	8.80	10.33	11.85	13.37	14.89	16.40	19.42
10.13‡	10.88‡	11.63‡	12.38‡	13.51‡	14.63‡	15.76‡	16.88‡	18.38‡	19.88‡	21.38‡	22.88‡	24.38‡	27.39‡
6.86	7.62	8.38	9.13	10.27	11.40	12.53	13.66	15.16	16.66	18.17	19.67	21.17	24.18
9.56†	10.13†	11.06†	11.81†	12.94†	14.06†	15.19†	16.32†	17.82†	19.32†	20.82†	22.32†	23.82†	26.82†
5.67	6.43	7.20	7.96	9.10	10.24	11.37	12.50	14.01	15.52	17.02	18.53	20.03	23.04
8.98	9.73	10.49	11.24	12.37	13.49	14.62	15.75	17.25	18.75	20.25	21.75	23.25	26.25
....	....	....	6.15	7.32	8.47	9.61	10.75	12.27	13.78	15.29	16.80	18.31	21.32
8.41	9.16	9.91	10.67	11.80	12.92	14.05	15.18	16.68	18.18	19.68	21.18	22.68	25.69
....	....	....	6.31	7.48	8.63	9.78	10.92	12.44	13.96	15.47	16.98	18.49	21.50
5.83	6.60	7.37	8.13	9.27	10.41	11.55	12.68	14.19	15.70	17.20	18.71	20.21	23.22
7.03	7.79	8.55	9.31	10.44	11.57	12.70	13.83	15.34	16.84	18.35	19.85	21.35	24.36
8.20	8.96	9.71	10.47	11.60	12.73	13.85	14.98	16.48	17.99	19.49	29.99	22.49	25.50
8.78	9.54	10.29	11.04	12.17	13.30	14.43	15.55	17.05	18.56	20.06	21.56	23.06	26.06
9.36†	10.11†	10.86†	11.62†	12.74†	13.87†	15.00†	16.12†	17.62†	19.13†	20.63†	22.13†	23.62†	26.63†
9.93‡	10.68‡	11.43‡	12.19‡	13.31‡	14.44‡	15.56‡	16.69‡	18.19‡	19.69‡	21.19‡	22.69‡	24.19‡	27.20‡
....	....	....	....	....	....	....	....	9.00	10.55	12.10	13.63	15.16	18.19
....	....	5.68	6.47	7.64	8.80	9.95	11.69	12.61	14.13	15.64	17.15	18.66	21.68
8.58	9.34	10.09	10.85	11.97	13.10	14.23	15.36	16.86	18.36	19.86	21.37	22.87	25.87
9.16†	9.91†	10.67†	11.42†	12.55†	13.67†	14.80†	15.93†	17.43†	18.93†	20.43†	21.94†	23.44†	26.44†
5.99	6.77	7.54	8.30	9.44	10.58	11.72	12.85	14.36	15.87	17.38	18.89	20.39	23.40
9.74‡	10.49‡	11.24‡	11.99‡	13.12‡	14.24‡	15.37‡	16.50‡	18.00‡	19.50‡	21.00‡	22.50‡	24.00‡	27.01‡
7.20	7.96	8.72	9.48	10.62	11.75	12.88	14.01	15.52	17.02	18.53	20.03	21.53	24.54
....	....	....	....	....	7.10	8.29	9.45	11.00	12.53	14.06	15.58	17.09	20.12
8.38	9.13	9.89	10.64	11.77	12.90	14.03	15.16	16.67	18.17	19.67	21.17	22.68	25.68
....	....	5.84	6.63	7.80	8.97	10.12	11.26	12.79	14.30	15.82	17.33	18.84	21.85

L Belt Width Table

Belt Width Factor	.28	.35	.45	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36
Belt Width	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3
Belt Width Code	037	043	050	062	075	087	100	125	150	175	200	250	300

Teeth in Mesh Factor (T.I.M)

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00
†	5	.80

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
‡	4	.60

FEATURES/BENEFITS PAGE PT10-2	SPECIFICATIONS PAGE PT10-3	SELECTION PAGE PT10-14	ENGINEERING/TECHNICAL PAGE PT10-44

SELECTION

L Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of Δ			Nominal C.D. Using DYNA-SYNC Belts					
				Driver		Driven										
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	124L	150L	187L	210L	225L	240L
....	750	497	2.33	12L	1.432	28L	3.342	....	1.09◊	.72	....	3.63	5.55	6.69	7.45†	8.20†
1458	729	483	2.40	30L	3.581	72L	8.594	4.86	2.66	1.79	....	....	....	....	....	....
1458	729	483	2.40	20L	2.387	48L	5.730	3.46	1.80	1.20	....	....	....	....	4.57	5.37
....	729	483	2.40	10L	1.194	24L	2.865	....	.91◊	.60◊	2.89‡	4.24‡	6.14‡	7.28‡	8.03‡	8.78‡
1400	700	464	2.50	24L	2.865	60L	7.162	4.06	2.15	1.44	....	....	....	....	....	....
1400	700	464	2.50	16L	1.910	40L	4.775	2.83	1.45	.97	....	....	....	5.05	5.83	6.60
....	700	464	2.50	12L	1.432	30L	3.581	....	1.09◊	.72	....	3.40‡	5.34†	6.43†	7.24†	8.00†
1361	681	451	2.57	28L	3.342	72L	8.594	4.61	2.49	1.67	....	....	....	....	....	....
....	673	446	2.60	10L	1.194	26L	3.104	....	.91◊	.60◊	2.64§	4.02‡	5.93‡	7.07‡	7.83‡	8.58‡
1333	667	442	2.63	32L	3.820	84L	10.027	5.10	2.83	1.91	....	....	....	....	....	....
1312	656	435	2.67	18L	2.149	48L	5.730	3.15	1.62	1.08	....	....	....	....	4.73	5.53
....	656	435	2.67	12L	1.432	32L	3.820	....	1.09◊	.72	....	3.15†	5.12†	6.27†	7.03†	7.79†
1283	642	425	2.73	22L	2.626	60L	7.162	3.77	1.98	1.32	....	....	....	....	....	....
1264	632	419	2.77	26L	3.104	72L	8.594	4.35	2.32	1.56	....	....	....	....	....	....
1250	625	414	2.80	30L	3.581	84L	10.027	4.86	2.66	1.79	....	....	....	....	....	....
....	625	414	2.80	10L	1.194	28L	3.342	....	.91◊	.60◊	....	3.79‡	5.72‡	6.86‡	7.62‡	8.38‡
1225	613	406	2.86	14L	1.671	40L	4.775	2.49◊	1.27	.85	....	....	....	5.21	5.99	6.77
1167	583	387	3.00	28L	3.342	84L	10.027	4.61	2.49	1.67	....	....	....	....	....	....
1167	583	387	3.00	24L	2.865	72L	8.594	4.06	2.15	1.44	....	....	....	....	....	....
1167	583	387	3.00	20L	2.387	60L	7.162	3.46	1.80	1.20	....	....	....	....	....	....
1167	583	387	3.00	16L	1.910	48L	5.730	2.83	1.45	.97	....	....	....	....	4.88	5.68
....	583	387	3.00	10L	1.194	30L	3.581	....	.91◊	.60◊	....	3.56§	5.50‡	6.65‡	7.41‡	8.17‡
....	547	363	3.20	10L	1.194	32L	3.820	....	.91◊	.60◊	....	3.30§	5.28‡	6.44‡	7.20‡	7.96‡
1684	542	359	3.23	26L	3.104	84L	10.027	4.35	2.32	1.56	....	....	....	....	....	....
1069	535	354	3.27	22L	2.626	72L	8.594	3.77	1.98	1.32	....	....	....	....	....	....
1050	525	348	3.33	18L	2.149	60L	7.162	3.15	1.62	1.08	....	....	....	....	....	....
....	525	348	3.33	12L	1.432	40L	4.775	....	1.09◊	.72	....	....	4.17‡	5.37‡	6.15‡	6.93‡
1021	510	338	3.43	14L	1.671	48L	5.730	2.49◊	1.27	.85	....	....	....	4.19‡	5.03†	5.84†
1000	500	331	3.50	24L	2.865	84L	10.027	4.06	2.15	1.44	....	....	....	....	....	....
972	486	322	3.60	20L	2.387	72L	8.594	3.46	1.80	1.20	....	....	....	....	....	....
933	467	309	3.75	16L	1.910	60L	7.162	2.83	1.45	.97	....	....	....	....	....	....
916	458	304	3.82	22L	2.626	84L	10.027	3.77	1.98	1.32	....	....	....	....	....	....
875	438	290	4.00	18L	2.149	72L	8.594	3.15	1.62	1.08	....	....	....	....	....	....
....	438	290	4.00	12L	1.432	48L	5.730	....	1.09◊	.72	....	....	....	4.34‡	5.18‡	5.99‡
....	438	290	4.00	10L	1.194	40L	4.775	....	.91◊	.60◊	....		4.33§	5.53§	6.32‡	7.09‡
833	417	276	4.20	20L	2.387	84L	10.027	3.46	1.80	1.20	....	....	....	....	....	....
817	408	271	4.29	14L	1.671	60L	7.162	2.49◊	1.27	.85	....	....	....	....	....	....
778	389	258	4.50	16L	1.910	72L	8.594	2.83	1.45	.97	....	....	....	....	....	....
749	375	248	4.67	18L	2.149	84L	10.027	3.15	1.62	1.08	....	....	....	....	....	....
....	365	242	4.80	10L	1.194	48L	5.730	....	.91◊	.60◊	....	....	....	4.48§	5.33§	6.15§
....	350	232	5.00	12L	1.432	60L	7.162	....	1.09◊	.72	....	....	....	....	....	....
681	340	226	5.14	14L	1.671	72L	8.594	2.49◊	1.27	.85	....	....	....	....	....	....
667	333	221	5.25	16L	1.671	84L	10.027	2.83	1.45	.97	....	....	....	....	....	....
583	292	193	6.00	14L	1.671	84L	10.027	2.49◊	1.27	.85	....	....	....	....	....	....
....	292	193	6.00	12L	1.432	72L	8.594	....	1.09◊	.72	....	....	....	....	....	....
....	292	193	6.00	10L	1.194	60L	7.162	....	.91◊	.60◊	....	....	....	....	....	4.38♣
....	250	166	7.00	12L	1.432	84L	10.027	....	1.09◊	.72	....	....	....	....	....	....
....	243	161	7.20	10L	1.194	72L	8.594	....	.91◊	.60◊	....	....	....	....	....	....
....	208	138	8.40	10L	1.194	84L	10.027	....	.91◊	.60◊	....	....	....	....	....	....

Δ HP ratings are for conventional speed-reduction drives.
For Speed-Up Drives refer to page PT10-17.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

† ‡ § ♣ See Teeth in Mesh table on opposite page.

♥ Flanges Required on both pulleys.

L Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

255L	270L	285L	300L	322L	345L	367L	390L	420L	450L	480L	510L	540L	600L
8.96†	9.71†	10.47†	11.22†	12.35†	13.48†	14.61†	15.73†	17.24†	18.74†	20.24†	21.74†	23.24†	26.25†
....	....	....	....	....	7.26	8.44	9.62	11.16	12.70	14.23	15.75	17.27	20.29
6.15	6.93	7.70	8.47	9.61	10.75	11.89	13.03	14.54	16.05	17.56	19.06	20.57	23.58
9.54‡	10.29‡	11.04‡	11.80‡	12.92‡	14.05‡	15.18‡	16.30‡	17.81‡	19.31‡	20.81‡	22.31‡	23.81‡	26.81‡
....	....	5.99	6.79	7.97	9.13	10.28	11.43	12.96	14.48	15.99	17.50	19.01	22.03
7.37	8.13	8.89	9.65	10.79	11.92	13.06	14.19	15.70	17.20	18.71	20.21	21.72	24.72
8.76†	9.51†	10.27†	11.02†	12.15†	13.28†	14.41†	15.54†	17.04†	18.54†	20.05†	21.55†	23.05†	26.05†
....	....	....	...	6.19	7.41	8.60	9.78	11.33	12.86	14.39	15.92	17.44	20.47
9.34‡	10.09‡	10.85‡	11.60‡	12.73‡	13.85‡	14.98‡	16.11‡	17.61‡	19.11‡	20.62‡	22.12‡	23.62‡	26.62‡
....	....	....	....	....	....	....	8.02	9.63	11.20	12.75	14.30	15.83	18.88
6.31	7.09	7.87	8.64	9.78	10.92	12.06	13.20	14.72	16.23	17.73	19.24	20.75	23.76
8.55†	9.31†	10.07†	10.82†	11.95†	13.08†	14.21†	15.34†	16.85†	18.35†	19.85†	21.36†	22.86†	25.86†
....	5.33	6.15	6.95	8.13	9.29	10.45	11.60	13.18	14.65	16.16	17.68	19.19	22.21♥
....	....	....	....	6.34	7.56	8.76	9.94	11.49	13.03	14.56	16.09	17.61	20.64
....	....	....	....	....	....	....	8.17	9.78	11.36	12.92	14.46	16.00	19.05
9.14‡	9.89‡	10.65‡	11.40‡	12.53‡	13.66‡	14.79‡	15.91‡	17.42‡	18.92‡	20.42‡	21.92‡	23.43‡	26.43‡
7.54	8.30	9.06	9.83	10.96	12.10	13.23	14.36	15.87	17.38	18.89	20.39	21.89	24.90
....	....	....	....	....	....	7.08	8.33	9.94	11.52	13.08	14.63	16.16	19.22
....	....	....	....	6.49	7.72	8.92	10.10	11.65	13.20	14.73	16.26	17.78	20.81
....	5.48	6.30	7.10	8.29	9.46	10.61	11.77	13.29	14.82	16.34	17.85	19.36♥	22.38♥
6.47	7.26	8.03	8.80	9.95	11.10	12.24	13.37	14.89	16.40	17.91	19.42	20.93	23.94
8.93‡	9.69‡	10.44‡	11.20‡	12.33‡	13.46‡	14.59‡	15.72‡	17.22‡	18.73‡	20.23‡	21.73‡	23.23‡	26.24‡
8.72‡	9.48‡	10.24‡	11.00‡	12.13‡	13.26‡	14.39‡	15.52‡	17.02‡	18.53‡	20.03‡	21.54‡	23.04‡	26.04‡
....	....	....	....	....	....	7.22	8.48	10.10	11.68	13.24	14.79	16.33	19.39
....	....	....	....	6.64	7.87	9.07	10.26	11.82	13.36	14.90	16.43	17.95	20.99
....	5.62	6.45	7.26	8.45	9.62	10.78	11.93	13.46	14.99	16.51	18.02♥	19.54♥	22.56♥
7.70†	8.47†	9.23†	10.00†	11.14†	12.27†	13.40†	14.54†	16.05†	17.56†	19.06†	20.57†	22.08†	25.08†
6.63†	7.42†	8.19†	8.97†	10.12	11.26	12.41	13.55	15.06	16.57	18.08	19.59	21.10	24.11
....	....	....	....	....	....	7.37	8.63	10.25	11.84	13.40	14.95	16.49	19.56
....	....	....	....	6.78	8.02	9.23	10.42	11.98	13.53	15.06	16.59	18.12	21.16
4.91	5.77	6.60	7.41	8.60	9.78	10.94	12.10	13.63	15.16	16.68♥	18.20♥	19.71♥	22.73♥
....	....	....	....	....	....	7.51	8.78	10.40	12.00	13.56	15.12	16.66	19.18
....	....	....	5.61†	6.93	8.18	9.39	10.58	12.14	13.69	15.23	16.76	18.29♥	21.33♥
6.79‡	7.58‡	8.36‡	9.13†	10.28†	11.43†	12.58†	13.72†	15.23†	16.75†	18.25†	19.77†	21.28†	24.29†
7.87‡	8.64‡	9.40‡	10.17‡	11.31‡	12.44‡	13.58‡	14.72‡	16.23‡	17.73‡	19.24‡	20.75‡	22.25‡	25.26‡
....	....	....	....	....	....	7.66	8.93	10.56	12.15	13.72	15.28	16.82	19.89♥
5.05‡	5.92‡	6.75†	7.57†	8.76†	9.94†	11.11†	12.26†	13.80♥	15.33♥	16.85♥	18.37♥	19.83♥	22.91♥
....	....	....	5.75‡	7.08†	8.33†	9.54	10.73	12.30	13.85	15.40♥	16.93♥	18.46♥	21.50♥
....	....	....	....	....	6.45†	7.80†	9.08	10.71	12.31	13.88	15.44	16.99	20.06♥
6.95	7.74‡	8.52‡	9.29‡	10.45‡	11.60‡	12.75‡	13.89‡	15.41‡	16.92‡	18.44‡	19.95‡	21.46‡	24.47‡
5.19§	6.07‡	6.90‡	7.72‡	8.92‡	10.10‡	11.274	12.43†♥	13.97†♥	15.49†♥	17.02†♥	18.54†♥	20.06†♥	23.08†♥
....	....	....	5.89‡	7.22‡	8.48†	9.70†	10.89†	12.46†	14.02†♥	15.56†♥	17.10♥	18.63♥	21.67♥
....	....	....	....	....	6.58‡	7.94†	9.22†	10.87	12.47	14.04	15.60♥	17.15♥	20.23♥
....	....	....	....	....	6.72‡	8.09‡	9.37‡	11.02†	12.62†	14.20†♥	15.76†♥	17.32†♥	20.39♥
....	....	....	6.03§	7.37	8.63‡	9.85‡	11.05‡	12.62†♥	14.18†♥	15.73†♥	17.26†♥	18.79†♥	21.84†♥
5.33§	6.21§	7.05§	7.87§	9.08§	10.26†♥	11.43†♥	12.59†♥	14.13‡♥	15.66‡♥	17.19‡♥	18.71‡♥	20.23‡♥	23.26‡♥
....	....	....	....	....	6.86§	8.23§	9.52‡	11.17‡♥	12.78‡♥	14.36‡♥	15.93‡♥	17.48†♥	20.56†♥
....	....	....	6.17♥	7.51§	8.78§	10.00§♥	11.20§♥	12.78‡♥	14.34‡♥	15.89‡♥	17.43‡♥	18.96‡♥	22.01‡♥
....	....	....	....	....	7.00§	8.37§	9.67§♥	11.32§♥	12.93§♥	14.52‡♥	16.09‡♥	17.64‡♥	20.73‡♥

L Belt Width Table

Belt Width Factor	.28	.35	.45	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36
Belt Width	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3
Belt Width Code	037	043	050	062	075	087	100	125	150	175	200	250	300

Teeth in Mesh factor (T.I.M)

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00
†	5	.80
‡	4	.60

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
§	3	.40
ß	2	.20

FEATURES/BENEFITS PAGE PT10-2	SPECIFICATIONS PAGE PT10-3	SELECTION PAGE PT10-14	ENGINEERING/TECHNICAL PAGE PT10-44

SELECTION

DODGE

H Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of Δ			Nominal C.D. Using DYNA-SYNC Belts						
				Driver		Driven											
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	240H	270H	300H	330H	360H	390H	420H
....	1750	1160	1.00	48H	7.839	48H	7.639	....	13.84	9.55	....	....	....	....	....	....	9.01
3500	1750	1160	1.00	40H	6.366	40H	6.366	20.08	11.79	8.03	....	....	....	....	8.01	9.51	11.01
3500	1750	1160	1.00	32H	5.093	32H	5.093	17.40	9.60	6.48	....	5.51	7.01	8.51	10.01	11.51	13.01
3500	1750	1160	1.00	30H	4.775	30H	4.775	16.59	9.03	6.08	....	6.01	7.51	9.01	10.51	12.01	13.51
3500	1750	1160	1.00	28H	4.456	28H	4.456	15.74	8.46	5.68	5.01	6.51	8.01	9.51	11.01	12.51	14.01
3500	1750	1160	1.00	26H	4.138	26H	4.138	14.80	7.88	5.28	5.51	7.01	8.51	10.01	11.51	13.01	14.51
3500	1750	1160	1.00	24H	3.820	24H	3.820	13.82	7.30	4.89	6.01	7.51	9.01	10.51	12.01	13.51	15.01
3500	1750	1160	1.00	22H	3.501	22H	3.501	12.84	6.71	4.48	6.51	8.01	9.51	11.01	12.51	14.01	15.51
3500	1750	1160	1.00	20H	3.183	20H	3.183	11.77◊	6.11	4.08	7.01	8.51	10.01	11.51	13.01	14.51	16.01
3500	1750	1160	1.00	18H	2.865	18H	2.865	10.71◊	5.52◊	3.68	7.51	9.01	10.51	12.01	13.51	15.01	16.51
....	1750	1160	1.00	16H	2.546	16H	2.546	....	4.91◊	3.27◊	8.01	9.51	11.01	12.51	14.01	15.51	17.01
....	....	1160	1.00	14H	2.228	14H	2.228	....	....	2.86◊	8.51	10.01	11.51	13.01	14.51	16.01	17.51
3281	1641	1087	1.07	30H	4.775	32H	5.093	16.59	9.03	6.08	....	5.75	7.25	8.76	10.26	11.76	13.26
3267	1633	1083	1.07	28H	4.456	30H	4.775	15.74	8.46	5.68	....	6.25	7.26	9.26	10.76	12.26	13.76
3250	1625	1077	1.08	26H	4.138	28H	4.456	14.80	7.88	5.28	5.25	6.75	8.26	9.76	11.26	12.76	14.26
3231	1615	1071	1.08	24H	3.820	26H	4.138	13.82	7.30	4.89	5.76	7.26	8.76	10.26	11.76	13.26	14.76
3208	1604	1063	1.09	22H	3.501	24H	3.820	12.84	6.71	4.48	6.26	7.76	9.26	10.76	12.26	13.76	15.26
3182	1591	1055	1.10	20H	3.183	22H	3.501	11.77◊	6.11	4.08	6.76	8.26	9.76	11.26	12.76	14.26	15.75
3150	1575	1044	1.11	18H	2.865	20H	3.183	10.71◊	5.52◊	3.68	7.26	8.76	10.26	11.76	13.26	14.76	16.26
....	1556	1031	1.13	16H	2.546	18H	2.865	....	4.91◊	3.27◊	7.76	9.26	10.76	12.26	13.76	15.26	16.76
3063	1531	1015	1.14	28H	4.456	32H	5.093	15.74	8.46	5.68	....	6.00	7.50	9.00	10.50	12.01	13.51
....	....	1015	1.14	14H	2.228	16H	2.546	....	....	2.86◊	8.26	9.76	11.26	12.76	14.26	15.76	17.26
3033	1517	1005	1.15	26H	4.138	30H	4.775	14.80	7.88	5.28	5.00	6.50	8.00	9.50	11.00	12.51	14.01
3000	1500	994	1.17	24H	3.820	28H	4.456	13.82	7.30	4.89	5.50	7.00	8.50	10.00	11.50	13.01	14.51
2962	1481	982	1.18	22H	3.501	26H	4.138	12.84	6.71	4.48	6.00	7.50	9.00	10.50	12.01	13.50	15.01
2917	1458	967	1.20	40H	6.366	48H	7.639	20.08	11.79	8.03	....	....	....	....	....	8.48	9.99
2917	1458	967	1.20	20H	3.183	24H	3.820	11.77◊	6.11	4.08	6.50	8.00	9.50	11.00	12.51	14.01	15.51
2864	1432	949	1.22	18H	2.865	22H	3.501	10.71◊	5.52◊	3.68	7.01	8.50	10.00	11.51	13.01	14.51	16.01
2844	1422	943	1.23	26H	4.138	32H	5.093	14.80	7.88	5.28	....	6.24	7.74	9.24	10.75	12.25	13.75
....	1400	928	1.25	48H	7.639	60H	9.549	....	13.84	9.55	....	....	....	....	....	....	....
2800	1400	928	1.25	32H	5.093	40H	6.366	17.40	9.60	6.48	....	....	....	7.43	8.98	10.49	11.99
2800	1400	928	1.25	24H	3.820	30H	4.775	13.82	7.30	4.89	5.24	6.40	8.24	9.75	11.25	12.75	14.25
....	1400	928	1.25	16H	2.546	20H	3.183	....	4.91◊	3.27◊	7.50	9.00	10.50	12.01	13.51	15.01	16.51
2750	1375	911	1.27	22H	3.501	28H	4.456	12.84	6.71	4.48	5.74	7.24	8.74	10.25	11.75	13.25	14.75
....	....	902	1.29	14H	2.228	18H	2.865	....	....	2.86◊	8.00	9.50	11.01	12.51	14.01	15.51	17.02
2692	1346	892	1.30	20H	3.183	26H	4.138	11.77◊	6.11	4.08	6.24	7.74	9.25	10.75	12.25	13.75	15.26
2625	1313	870	1.33	30H	4.775	40H	6.366	16.59	9.03	6.08	....	....	6.20	7.72	9.22	10.73	12.24
2625	1313	870	1.33	24H	3.820	32H	5.093	13.82	7.30	4.89	4.97	6.48	7.98	9.49	10.99	12.49	14.00
2625	1313	870	1.33	18H	2.865	24H	3.820	10.71◊	5.52◊	3.68	6.74	8.24	9.75	11.25	12.75	14.25	15.76
2567	1283	851	1.36	22H	3.501	30H	4.775	12.84	6.71	4.48	5.47	6.98	8.48	9.99	11.49	12.99	14.50
....	1273	844	1.38	16H	2.546	22H	3.501	....	4.91◊	3.27◊	7.24	8.75	10.25	11.75	13.25	14.75	16.25
2500	1250	829	1.40	20H	3.183	28H	4.456	11.77◊	6.11	4.08	5.97	7.48	8.99	10.49	11.99	13.49	15.00
2450	1225	812	1.43	28H	4.456	40H	6.366	15.74	8.46	5.68	....	....	6.50	7.95	9.46	10.97	12.47
....	....	812	1.43	14H	2.228	20H	3.183		....	2.86◊	7.75	9.25	10.75	12.25	13.75	15.25	16.75
2423	1212	803	1.44	18H	2.865	26H	4.138	10.71◊	5.52◊	3.68	6.48	7.98	9.49	10.99	12.49	14.00	15.50
2406	1203	798	1.45	22H	3.501	32H	5.093	12.84	6.71	4.48	5.20	6.71	8.22	9.73	11.23	12.73	14.24

Δ HP ratings are for conventional speed-reduction drives.
For Speed-Up Drives refer to page PT10-17.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

♥ Flanges Required on both pulleys.

H Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

450H	480H	510H	540H	570H	600H	630H	660H	700H	750H	800H	850H	900H	1000H	1100H	1250H	1400H	1700H
10.51	12.01	13.51	15.01	16.51	18.01	19.51	21.01	23.01	25.51	28.01	30.51	33.01	38.01	43.01	50.51	58.01	73.01
12.51	14.01	15.51	17.01	18.51	20.01	21.51	23.01	25.01	27.51	30.01	32.51	35.01	40.01	45.01	52.51	60.01	15.01
14.51	16.01	17.51	19.01	20.51	22.01	23.51	25.01	27.01	29.51	32.01	34.51	37.01	42.01	47.01	54.51	62.01	77.01
15.01	16.51	18.01	19.51	21.01	22.51	24.01	25.51	27.51	30.01	32.51	35.01	37.51	42.51	47.51	55.01	62.51	77.51
15.51	17.01	18.51	20.01	21.51	23.01	24.51	26.01	28.01	30.51	33.01	35.51	38.01	43.01	48.01	55.51	63.01	78.01
16.01	17.51	19.01	20.51	22.01	23.51	25.01	26.51	28.51	31.01	33.51	36.01	38.51	43.51	48.51	56.01	63.51	78.51
16.51	18.01	19.51	21.01	22.51	24.01	25.51	27.01	29.01	31.51	34.01	36.51	39.01	44.01	49.01	56.51	64.01	79.01
17.01	18.51	20.01	21.51	23.01	24.51	26.01	27.51	29.51	32.01	34.51	37.01	39.51	44.51	49.51	57.01	64.51	79.51
17.51	19.01	20.51	22.01	23.51	25.01	26.51	28.01	30.01	32.51	35.01	37.51	40.01	45.01	50.01	57.51	65.01	80.01
18.01	19.51	21.01	22.51	24.01	25.51	27.01	28.51	30.51	33.01	35.51	38.01	40.51	45.51	50.51	58.01	65.51	80.51
18.51	20.01	21.51	23.01	24.51	26.01	27.51	29.01	31.01	33.51	36.01	38.51	41.01	46.01	51.01	58.51	66.01	81.01
19.01	20.51	22.01	23.51	25.01	26.51	28.01	29.51	31.51	34.01	36.51	39.01	41.51	46.51	51.51	59.01	66.51	81.51
14.76	16.26	17.76	19.26	20.76	22.26	23.76	25.26	27.26	29.76	32.26	34.76	37.26	42.26	47.26	54.16	62.26	77.26
15.26	16.76	18.26	19.76	21.26	22.76	24.26	25.76	27.76	30.26	32.76	35.26	37.76	42.76	47.76	55.26	62.76	77.76
15.76	17.26	18.76	20.26	21.76	23.26	24.76	26.26	28.26	30.76	33.26	35.76	38.26	43.26	48.26	55.76	63.26	78.26
16.26	17.76	19.26	20.76	22.26	23.76	25.26	26.76	28.76	31.26	33.76	36.26	38.76	43.76	48.76	56.26	63.76	78.76
16.76	18.26	19.76	21.26	22.76	24.26	25.76	27.26	29.26	31.76	34.26	36.76	39.26	44.26	49.26	56.76	64.26	79.26
17.26	18.75	20.36	21.76	23.26	24.76	26.26	27.76	29.76	32.26	34.76	37.26	39.76	44.76	49.76	57.26	64.76	79.76
17.76	19.26	20.76	22.26	23.76	25.26	26.76	28.26	30.26	32.76	35.26	37.76	40.26	45.26	50.26	57.76	62.26	80.26
18.26	19.76	21.26	22.76	24.26	25.76	27.26	28.76	30.76	33.26	35.76	38.26	40.76	45.76	50.76	58.26	65.76	80.76
15.01	16.51	18.01	19.51	21.01	22.51	24.01	25.51	27.51	30.01	32.51	35.01	37.51	42.51	47.51	55.01	62.51	77.51
18.76	20.26	21.76	23.36	24.76	26.26	27.76	29.26	31.26	33.76	36.26	38.76	41.26	46.26	51.26	58.76	66.26	81.26
15.51	17.01	18.51	20.01	21.51	23.01	24.51	26.01	28.01	30.51	33.01	35.51	38.01	43.01	48.01	55.51	63.01	78.01
16.01	17.51	19.01	20.51	22.01	23.51	25.01	26.51	28.51	31.01	33.51	36.01	38.51	43.51	48.51	56.01	63.51	78.51
16.51	18.01	19.51	21.01	22.51	24.01	25.51	27.01	29.01	31.51	34.01	36.51	39.01	44.01	49.01	56.51	64.01	79.01
11.49	12.99	14.49	16.00	17.50	19.00	20.50	22.00	24.00	26.51	29.00	31.50	34.00	39.01	44.00	51.51	59.01	74.01
17.01	18.51	20.01	21.51	23.01	24.51	26.01	27.51	29.51	32.01	34.51	37.01	39.51	44.51	49.51	57.01	64.51	79.51
17.51	19.01	20.51	22.01	23.51	25.01	26.51	28.01	30.01	32.51	35.01	37.50	40.01	45.01	50.01	57.51	65.01	80.01
15.24	16.75	18.25	19.76	21.25	22.76	24.26	25.76	27.76	30.25	32.76	36.26	37.76	42.76	47.76	55.26	62.76	77.76
8.95	10.46	11.97	13.47	14.98	16.48	17.98	19.48	21.49	23.99	26.49	28.99	31.50	36.50	41.50	49.00	56.50	71.50♥
13.49	15.00	16.50	18.00	19.50	21.00	22.50	24.00	26.00	28.50	31.00	33.50	36.01	41.00	46.01	53.51	61.01	76.01
15.75	17.25	18.80	20.25	21.76	23.26	24.76	26.25	28.26	30.76	33.26	35.75	38.26	43.26	48.26	55.76	63.26	78.26
18.01	19.51	21.01	22.51	24.01	25.51	27.01	28.51	30.51	33.01	35.51	38.01	40.51	45.51	50.51	58.01	65.51	80.51
16.25	17.75	19.25	20.76	22.26	23.76	25.26	26.76	28.76	31.26	33.76	36.26	38.76	43.76	48.76	56.26	63.76	78.76
18.51	20.01	21.51	23.01	24.51	26.01	27.51	29.01	31.01	33.51	36.01	38.51	41.01	46.01	51.01	58.51	66.01	81.01
16.75	18.25	19.76	21.26	22.76	24.26	25.76	27.26	29.26	31.29	34.26	36.76	39.25	44.26	49.26	56.76	64.26	79.26
13.74	15.24	16.74	18.24	19.74	21.25	22.75	24.25	26.25	28.75	31.25	33.75	36.25	41.25	46.25	53.75	61.26	76.26
15.50	17.00	18.50	20.00	21.50	23.00	24.50	26.00	28.00	30.50	33.00	35.51	38.01	43.00	48.01	55.51	63.01	78.01
17.25	18.80	20.26	21.76	23.26	24.76	26.25	27.76	29.76	32.25	34.76	37.26	39.76	44.76	49.76	57.26	64.76	79.76
16.00	17.50	19.00	20.50	22.00	23.50	25.00	26.50	28.50	31.00	33.51	36.01	38.50	43.51	48.51	56.01	63.51	78.52
17.76	19.26	20.76	22.26	23.76	25.26	26.76	28.26	30.26	32.76	35.26	37.76	40.26	45.26	50.26	57.76	65.26	80.26
16.50	18.00	19.50	21.00	22.50	24.00	25.50	27.00	29.01	31.50	34.01	36.50	39.01	44.00	49.01	56.51	64.01	79.01
13.98	15.48	16.98	18.48	19.99	21.49	22.99	24.49	26.49	29.00	31.50	34.00	36.50	41.50	46.50	54.00	61.50	76.50
18.26	19.76	21.26	22.76	24.26	25.76	27.26	28.75	30.76	33.26	35.76	38.26	40.77	45.76	50.76	58.26	65.76	80.76
17.00	18.50	20.00	21.50	23.00	24.50	26.01	27.50	29.51	32.01	34.51	37.01	39.51	44.51	49.51	57.01	64.51	79.51
15.74	17.24	18.74	20.24	21.75	23.18	24.75	26.25	28.25	30.75	33.25	35.75	38.25	43.25	48.25	55.76	63.25	78.26

H Belt Width Table

Belt Width Factor	.42	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32
Belt Width	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5	6	7	8
Belt Width Code	050	062	075	087	100	125	150	175	200	250	300	350	400	500	600	700	800

Shaded area indicates stock belt widths.

V-Drives
FHP Drives
Drive Component Accessories
DYNA-SYNC
HT200/HTD Synchronous Drives
HT500 Synchronous Drives
Roller Chain Sprockets

SELECTION

DODGE

H Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of Δ			Nominal C.D. Using DYNA-SYNC Belts						
				Driver		Driven											
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	240H	270H	300H	330H	360H	390H	420H
....	1167	773	1.50	48H	7.639	72H	11.459	....	13.84	9.55	....	....	....	....	....	....	....
2333	1167	773	1.50	40H	6.366	60H	9.549	20.08	11.79	8.03	....	....	....	....	....	....	8.35
2333	1167	773	1.50	32H	5.093	48H	7.639	17.40	9.60	6.48	....	....	....	....	7.90	9.42	10.93
2333	1167	773	1.50	20H	3.183	30H	4.775	11.77◊	6.11	4.08	5.70	7.21	8.72	10.23	11.73	13.24	14.74
....	1167	773	1.50	16H	2.546	24H	3.820	....	4.91◊	3.27◊	6.98	8.48	9.99	11.49	12.99	14.50	16.00
2275	1138	754	1.54	26H	4.138	40H	6.366	14.80	7.88	5.28	....	....	6.66	8.18	9.69	11.20	12.71
2250	1125	746	1.56	18H	2.865	28H	4.456	10.71◊	5.52◊	3.68	6.21	7.72	9.22	10.73	12.23	13.74	15.24
....	....	738	1.57	14H	2.228	22H	3.501	....	....	2.86◊	7.48	8.99	10.49	11.99	13.50	15.00	16.50
2188	1094	725	1.60	30H	4.775	48H	7.639	16.59	9.03	6.08	....	....	....	6.60	8.13	9.65	11.17
2188	1094	725	1.60	20H	3.183	32H	5.093	11.77◊	6.11	4.08	5.42	6.94	8.45	9.96	11.47	12.97	14.48
....	1077	714	1.63	16H	2.546	26H	4.138	....	4.91◊	3.27◊	6.71	8.22	9.73	11.23	12.73	14.24	15.74
2100	1050	696	1.67	24H	3.820	40H	6.366	13.82	7.30	4.89	....	....	6.89	8.41	9.93	11.44	12.95
2100	1050	696	1.67	18H	2.865	30H	4.775	10.71◊	5.52◊	3.68	5.93	7.45	8.96	10.46	11.97	13.48	14.98
2042	1021	677	1.71	28H	4.456	48H	7.639	15.74	8.46	5.68	....	....	....	6.82	8.35	9.88	11.40
....	....	677	1.71	14H	2.228	24H	3.820	....	....	2.86◊	7.22	8.72	10.23	11.74	13.24	14.74	16.24
....	1000	663	1.75	48H	7.639	84H	13.369	....	13.84	9.55	....	....	....	....	....	....	....
....	1000	663	1.75	16H	2.546	28H	4.456	....	4.91◊	3.27◊	6.44	7.95	9.46	10.97	12.47	13.98	15.48
1969	985	652	1.78	18H	2.865	32H	5.093	10.71◊	5.52◊	3.68	5.65	7.17	8.69	10.20	11.71	13.21	14.72
1944	972	644	1.80	40H	6.366	72H	11.459	20.08	11.79	8.03	....	....	....	....	....	....	....
1925	963	638	1.82	22H	3.501	40H	6.366	12.84	6.71	4.48	....	5.57	7.11	8.64	10.16	11.67	13.18
1896	948	628	1.85	26H	4.138	48H	7.639	14.80	7.88	5.28	....	....	....	7.04	8.58	10.11	11.63
....	....	625	1.86	14H	2.226	26H	4.138	....	....	2.86◊	6.94	8.45	9.96	11.47	12.97	14.48	15.98
1867	933	619	1.88	32H	5.093	60H	9.549	17.40	9.60	6.48	....	....	....	....	....	7.68	9.24
....	933	619	1.88	16H	2.546	30H	4.775	....	4.91◊	3.27◊	6.16	7.68	9.19	10.70	12.21	13.71	15.22
....	875	580	2.00	48H	7.639	96H	15.279	....	13.84	9.55	....	....	....	....	....	....	....
1750	875	580	2.00	30H	4.775	60H	9.549	16.59	9.03	6.08	....	....	....	....	....	7.89	9.45
1750	875	580	2.00	24H	3.820	48H	7.639	13.82	7.30	4.89	....	....	....	7.25	8.80	10.33	11.85
1750	875	580	2.00	20H	3.183	40H	6.366	11.77◊	6.11	4.08	....	5.78	7.33	8.86	10.39	11.90	13.41
....	875	580	2.00	16H	2.546	32H	5.093	....	4.91◊	3.27◊	5.87	7.40	8.92	10.43	11.94	13.45	14.96
....	....	580	2.00	14H	2.228	28H	4.456	....	....	2.66◊	6.67	8.18	9.69	11.20	12.71	14.22	15.72
1667	833	552	2.10	40H	6.366	84H	13.369	20.08	11.79	8.03	....	....	....	....	....	....	....
1633	817	541	2.14	28H	4.456	60H	9.549	15.74	8.46	5.68	....	....	....	....	....	8.10	9.67
....	....	541	2.14	14H	2.228	30H	4.775	....	....	2.86◊	6.38	7.90	9.42	10.94	12.44	13.95	15.46
1604	802	532	2.18	22H	3.501	48H	7.639	12.84	6.71	4.48	....	....	....	7.47	9.02	10.55	12.08
1575	788	522	2.22	18H	2.865	40H	6.366	10.71◊	5.52◊	3.68	....	6.00	7.55	9.09	10.61	12.13	13.65
1556	778	516	2.25	32H	5.093	72H	11.459	17.40	9.60	6.48	....	....	....	....	....	....	....
....	....	507	2.29	14H	2.228	32H	5.093	....	....	2.86◊	6.09	7.62	9.15	10.66	12.18	13.68	15.19
1517	758	503	2.31	26H	4.138	60H	9.549	14.80	7.88	5.28	....	....	....	....	....	8.31	9.88
1458	729	483	2.40	40H	6.366	96H	15.279	20.08	11.79	8.03	....	....	....	....	....	....	....
1458	729	483	2.40	30H	4.775	72H	11.459	16.59	9.03	6.08	....	....	....	....	....	....	....
1458	729	483	2.40	20H	3.183	48H	7.639	11.77◊	6.11	4.08	....	....	6.09	7.68	9.24	10.78	12.31
....	700	464	2.50	48H	7.639	120H	19.099	....	13.84	9.55	....	....	....	....	....	....	....
1400	700	464	2.50	24H	3.820	60H	9.549	13.82	7.30	4.89	....	....	....	....	....	8.52	10.10
....	700	464	2.50	16H	2.546	40H	6.366	....	4.91◊	3.27◊	....	6.21	7.77	9.31	10.84	12.36	13.88
1361	681	451	2.57	28H	4.456	72H	11.459	15.74	8.46	5.68	....	....	....	....	....	....	....
1333	667	442	2.63	32H	5.093	84H	13.369	17.40	9.60	6.48	....	....	....	....	....	....	....

Δ HP ratings are for conventional speed-reduction drives.
For Speed-Up Drives refer to page PT10-17.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

♥ Flanges Required on both pulleys.

H Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

450H	480H	510H	540H	570H	600H	630H	660H	700H	750H	800H	850H	900H	1000H	1100H	1250H	1400H	1700H
....	....	10.33	11.85	13.37	14.88	16.40	17.91	19.92	22.43	24.94	27.44	29.95	34.96	39.96	47.47	54.98	69.99♥
9.88	11.40	12.91	14.42	15.93	17.44	18.94	20.45	22.45	24.96	27.46	29.97	32.47	37.48	42.48	49.98	57.49♥	72.49♥
12.44	13.95	15.46	16.97	18.47	19.97	21.47	22.97	24.98	27.48	29.98	32.49	34.99	39.99	44.99	52.50	60.00	74.99
16.24	17.74	19.24	20.75	22.25	23.75	25.25	26.75	28.75	31.25	33.75	36.25	38.75	43.76	48.76	56.27	63.75	78.76
17.50	19.00	20.50	22.00	23.50	25.00	26.50	28.00	30.01	32.51	35.01	37.50	40.01	45.02	50.01	57.51	65.01	80.01
14.21	15.72	17.22	18.73	20.23	21.73	23.23	24.74	26.74	29.24	31.74	34.24	36.75	41.75	46.75	54.25	61.75	76.75
16.74	18.24	19.75	21.25	22.75	24.25	25.75	27.25	29.25	31.75	34.25	36.49	39.25	44.26	49.25	56.75	64.26	79.26
18.00	19.50	21.00	22.50	24.00	25.50	27.01	28.50	30.51	33.01	35.51	38.01	40.51	45.51	50.50	58.02	65.51	80.51
12.68	14.19	15.69	17.20	18.70	20.21	21.71	23.22	25.22	27.72	30.23	32.13	35.23	40.24	45.24	52.74	60.25	75.25
15.98	17.48	18.99	20.49	21.99	23.49	24.99	26.49	28.50	31.00	33.50	36.00	38.50	43.50	48.50	56.00	63.52	78.51
17.24	18.74	20.25	21.75	23.18	24.75	26.25	27.75	29.75	32.25	34.75	37.25	39.76	44.76	49.76	57.25	64.76	79.77
14.45	15.96	17.46	18.97	20.47	21.97	23.48	24.98	26.98	29.48	31.99	34.49	36.99	41.99	47.00	54.50	62.00	77.01
16.48	17.96	19.49	20.99	22.49	23.99	25.49	26.99	29.00	31.50	34.00	36.50	39.00	44.00	49.00	56.51	64.01	79.01
12.91	14.42	15.93	17.44	18.94	20.45	21.95	23.46	25.46	27.97	30.47	32.97	35.48	40.48	45.48	52.99	60.49	75.49
17.74	19.24	20.75	22.25	23.75	25.25	26.75	28.25	30.25	32.75	35.25	37.75	40.25	45.26	50.27	57.76	65.25	80.26
....	....	....	....	11.65	13.19	14.73	16.25	18.28	20.81	23.33	25.85	28.34	33.39	38.40	45.92	53.43	68.45♥
16.98	18.49	19.99	21.49	22.99	24.49	26.00	27.49	29.50	32.00	34.50	37.00	39.50	44.50	49.50	57.01	64.50	79.51
16.22	17.73	19.23	20.73	22.23	23.73	25.24	26.74	28.74	31.24	33.74	36.24	38.75	43.75	48.75	56.25	63.75	78.77
....	9.67	11.22	12.75	14.28	25.81	17.32	18.84	20.85	23.37	25.88	28.40	30.90	35.92	40.93	48.44	55.95♥	70.97♥
14.69	16.20	17.70	19.21	20.71	22.21	23.72	25.22	27.22	29.73	32.23	34.73	37.23	42.24	47.24	54.74	62.25	77.25
13.14	14.65	16.16	17.67	19.18	20.68	22.19	23.69	25.70	28.21	30.71	33.21	35.72	40.72	45.73	53.24	60.74	75.74
17.49	18.99	20.49	21.99	23.49	24.99	26.49	27.99	30.00	32.50	35.00	37.50	40.00	45.00	50.00	57.50	65.00	80.01
10.78	12.31	13.83	15.35	16.86	18.37	19.88	21.39	23.40	25.91	28.42	30.93	33.44	38.45	43.45♥	50.96♥♥	58.47♥	73.48♥
16.72	18.23	19.73	21.23	22.73	24.24	25.74	27.24	29.24	31.74	34.24	36.75	39.25	44.25	49.25	56.15	64.14	79.25
....	....	....	....	....	....	12.94	14.50	16.56	19.12	21.67	24.21	26.74	31.78	36.81	44.35	51.87	66.90
11.00	12.53	14.06	15.58	17.09	18.61	20.35	21.63	23.64	26.15	28.66	31.17	33.68	38.69♥	43.70♥	51.21♥	58.71♥	73.73♥
13.37	14.89	16.40	17.91	19.42	20.92	22.43	23.93	25.94	28.45	30.95	33.46	35.96	40.97	45.97	53.48	60.98	75.99
14.92	16.43	17.94	19.45	20.95	22.45	23.96	25.46	27.47	29.97	32.47	34.97	37.48	42.48	47.48	54.99	62.49	77.50
16.46	17.97	19.47	20.87	22.48	23.98	25.48	26.98	28.99	31.48	33.99	36.49	38.99	43.99	49.00	56.50	64.00	79.01
17.22	18.73	20.23	21.73	23.23	24.74	26.24	27.74	29.74	32.24	34.74	37.25	39.75	44.75	49.75	57.25	64.75	79.75
....	....	....	10.94	12.51	14.07	15.61	17.15	19.19	21.73	24.26	26.78	29.30	34.33	39.35	46.88	54.40♥	69.42♥
11.21	12.75	14.28	15.80	17.32	16.64	20.35	21.86	23.87	26.39	28.90	31.41	33.91	38.93♥	43.94♥	51.45♥	58.95♥	73.97♥
16.96	18.47	19.97	21.47	22.98	24.46	25.98	27.48	29.48	31.99	34.49	36.99	39.49	44.49	49.50	57.01	64.50	79.50
13.60	15.12	16.66	18.14	19.65	21.16	22.67	24.17	26.18	28.69	31.19	33.70	36.20	41.21	46.22	53.72	61.23	76.24
15.16	16.67	18.18	19.68	21.19	22.69	24.20	25.70	27.71	30.21	32.71	35.22	37.72	42.73	47.73	55.23	62.74	77.74
8.93	10.52	12.08	13.63	15.17	16.70	18.23	19.75	21.78	24.30	26.82	29.34	31.85	36.87	41.89♥	49.41♥	56.92♥	71.94♥
16.70	18.20	19.70	21.21	22.72	24.22	25.72	27.22	29.23	31.73	34.23	36.73	39.24	44.24	49.24	56.75	64.25	79.25
11.44	12.97	14.51	16.03	17.55	19.07	20.58	22.09	24.11	26.62	29.13	31.64	34.15♥	39.17♥	44.18♥	51.69♥	59.20♥	74.21♥
....	....	....	....	....	12.18	13.78	15.35	17.43	20.01	22.57	25.11	27.65	32.71	37.75	45.29	52.82♥	67.87♥
9.14	10.76	12.30	13.85	15.39	16.93	18.45	19.98	22.01	24.53	27.05	29.57	32.09	37.11	42.13♥	49.65♥	57.16♥	72.19♥
13.83	15.35	16.86	18.37	19.89	21.39	22.90	24.41	26.42	28.92	31.43	33.94	36.44	41.45	46.46	53.97	61.47	76.48
....	....	....	....	....	....	....	....	....	15.43	18.09	20.71	23.30	28.43	33.52	41.11	48.67	63.75♥
11.65	13.20	14.73	16.25	17.77	19.30	20.81	22.33	24.34	26.86	29.37	31.88♥	34.39♥	39.41♥	44.42♥	51.93♥	59.44♥	74.46♥
15.39	16.90	18.41	19.92	21.43	22.93	24.44	25.94	27.95	30.45	32.96	35.46	37.97	42.97	47.97	55.48	62.98	77.99
9.34	10.94	12.51	14.07	15.61	17.15	18.68	20.20	22.23	24.76	27.28	29.80	32.32	37.35♥	42.37♥	49.89♥	57.40♥	72.43♥
....	....	10.15	11.77	13.36	14.93	16.49	18.03	20.08	22.63	25.17	27.70	30.23	35.22	40.30	47.83♥	55.36♥	70.39♥

H Belt Width Table

Belt Width Factor	.42	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32
Belt Width	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5	6	7	8
Belt Width Code	050	062	075	087	100	125	150	175	200	250	300	350	400	500	600	700	800

Shaded area indicates stock belt widths.

FEATURES/BENEFITS PAGE PT10-2	SPECIFICATIONS PAGE PT10-3	SELECTION PAGE PT10-14	ENGINEERING/TECHNICAL PAGE PT10-44

SELECTION

DODGE

H Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of Δ			Nominal C.D. Using DYNA-SYNC Belts						
				Driver		Driven											
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	240H	270H	300H	330H	360H	390H	420H
1312	656	435	2.67	18H	2.865	48H	7.639	10.71◊	5.52◊	3.68	....	....	6.30	7.89	9.45	11.00	12.53
1283	642	425	2.73	22H	3.501	60H	9.549	12.84	6.71	4.48	....	....	....	....	7.10	8.73	10.31
1264	632	419	2.77	26H	4.138	72H	11.459	14.80	7.88	5.28	....	....	....	....	....	....	....
1250	625	414	2.80	30H	4.775	84H	13.369	16.59	9.03	6.08	....	....	....	....	....	....	....
....	....	406	2.86	14H	2.228	40H	6.366	....	....	2.86◊	4.80†	6.42†	7.99†	9.53	11.06	12.59	14.11
1167	583	387	3.00	40H	6.366	120H	19.099	20.08	11.79	8.03	....	....	....	....	....	....	....
1167	583	387	3.00	32H	5.093	96H	15.279	17.40	9.60	6.48	....	....	....	....	....	....	....
1167	583	387	3.00	28H	4.456	84H	13.369	15.74	8.46	5.68	....	....	....	....	....	....	....
1167	583	387	3.00	24H	3.820	72H	11.459	13.82	7.30	4.89	....	....	....	....	....	....	8.08
1167	583	387	3.00	20H	3.183	60H	9.549	11.77◊	6.11	4.08	....	....	....	....	7.30	8.93	10.52
....	583	387	3.00	16H	2.546	48H	7.639	....	4.91◊	3.27◊	....	....	6.50	8.10	9.67	11.22	12.75
1094	547	363	3.20	30H	4.775	96H	15.279	16.59	9.03	6.08	....	....	....	....	....	....	....
1084	542	359	3.23	26H	4.138	84H	13.369	14.80	7.88	5.28	....	....	....	....	....	....	....
1069	535	354	3.27	22H	3.501	72H	11.459	12.84	6.71	4.48	....	....	....	....	....	....	8.28
1050	525	348	3.33	18H	2.865	60H	9.549	10.71◊	5.52◊	3.68	....	....	....	....	7.50	9.14	10.77
1021	510	338	3.43	28H	4.456	96H	15.279	15.74	8.46	5.68	....	....	....	....	....	....	....
....	....	338	3.43	14H	2.228	48H	7.639	....	....	2.86◊	....	....	6.70†	8.95†	9.88†	11.44†	12.98
1000	500	331	3.50	24H	3.820	84H	13.369	13.82	7.30	4.89	....	....	....	....	....	....	....
972	486	322	3.60	20H	3.183	72H	11.459	11.77◊	6.11	4.08	....	....	....	....	....	....	8.47
948	474	314	3.69	26H	4.138	96H	15.279	14.80	7.88	5.28	....	....	....	....	....	....	....
933	467	309	3.75	32H	5.093	120H	19.099	17.40	9.60	6.48	....	....	....	....	....	....	....
....	467	309	3.75	16H	2.546	60H	9.549	....	4.91◊	3.27◊	....	....	....	....	7.69†	9.34†	10.94
916	458	304	3.82	22H	3.501	84H	13.369	12.84	6.71	4.48	....	....	....	....	....	....	....
875	438	290	4.00	30H	4.775	120H	19.099	16.59	9.03	6.08	....	....	....	....	....	....	....
875	438	290	4.00	24H	3.820	96H	15.279	13.82	7.30	4.89	....	....	....	....	....	....	....
875	438	290	4.00	18H	2.865	72H	11.459	10.71◊	5.52◊	3.68	....	....	....	....	....	....	8.67
833	417	276	4.20	20H	3.183	84H	13.369	11.77◊	6.11	4.08	....	....	....	....	....	....	....
817	408	271	4.29	28H	4.456	120H	19.099	15.74	8.46	5.68	....	....	....	....	....	....	....
....	....	271	4.29	14H	2.228	60H	9.549	....	....	2.86◊	....	....	....	6.12‡	7.89‡	9.55†	11.15†
802	401	266	4.36	22H	3.501	96H	15.279	12.84	6.71	4.48	....	....	....	....	....	....	....
....	389	258	4.50	16H	2.546	72H	11.459	....	4.91◊	3.27◊	....	....	....	....	....	....	8.86†
758	379	251	4.62	26H	4.138	120H	19.099	14.80	7.88	5.28	....	....	....	....	....	....	....
749	375	248	4.67	18H	2.865	84H	13.369	10.71◊	5.52	3.68	....	....	....	....	....	....	....
729	365	242	4.80	20H	3.183	96H	15.279	11.77◊	6.11	4.08	....	....	....	....	....	....	....
700	350	232	5.00	24H	3.820	120H	19.099	13.82	7.30	4.89	....	....	....	....	....	....	....
....	....	226	5.14	14H	2.228	72H	11.459	....	....	2.86◊	....	....	....	....	....	7.22§	9.05‡
....	333	221	5.25	16H	2.546	84H	13.369	....	4.91◊	3.27◊	....	....	....	....	....	....	....
656	323	217	5.33	18H	2.865	96H	15.279	10.71◊	5.52◊	3.68	....	....	....	....	....	....	....
642	321	213	5.45	22H	3.501	120H	19.099	12.84	6.71	4.48	....	....	....	....	....	....	....
583	294	193	6.00	20H	3.183	120H	19.099	11.77◊	6.11	4.08	....	....	....	....	....	....	....
....	292	193	6.00	16H	2.546	96H	15.219	....	4.91◊	3.27◊	....	....	....	....	....	....	....
....	....	193	6.00	14H	2.228	84H	13.369	....	....	2.86◊	....	....	....	....	....	....	....
525	262	174	6.67	18H	2.865	120H	19.099	10.71◊	5.52◊	3.68◊	....	....	....	....	....	....	....
....	....	169	6.86	14H	2.228	96H	15.279	....	....	3.27◊	....	....	....	....	....	....	....
....	233	155	7.50	16H	2.546	120H	19.099	....	4.91◊	2.86◊	....	....	....	....	....	....	....
....	....	135	8.57	14H	2.228	120H	19.099	....	....	....	....	....	....	....	....	....	....

Δ HP ratings are for conventional speed-reduction drives.
For Speed-Up Drives refer to page PT10-17.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

† ‡ § See Teeth in Mesh table on opposite page.

♥ Flanges Required on both pulleys.

DODGE

H Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

450H	480H	510H	540H	570H	600H	630H	660H	700H	750H	800H	850H	900H	1000H	1100H	1250H	1400H	1700H
14.06	15.58	17.09	18.61	20.35	21.63	23.14	24.64	26.65	29.16	31.67	34.18	36.68	41.69	46.70	54.21	61.71	76.73
11.87	13.42	14.95	16.48	18.00	19.52	21.04	22.56	24.58	27.09	29.61♥	32.12♥	34.63♥	39.65♥	44.66♥	52.17♥	56.69♥	74.70♥
9.55	11.15	12.73	14.29	15.83	17.37	18.90	20.43	22.46	24.99	27.52	30.04	32.55	37.58♥	42.60♥	50.13♥	57.64♥	72.67♥
....	....	10.35	11.98	13.57	15.14	16.70	18.25	20.30	22.85	25.39	27.95	30.46	35.50	40.53♥	48.07♥	55.59♥	70.63♥
15.62	17.13	18.65	20.15	21.66	23.17	23.67	26.18	28.19	30.69	33.20	35.70	38.21	43.21	48.22	55.72	63.23	78.24
....	....	....	....	....	....	....	....	13.47	16.24	18.92	21.56	24.16	29.31	34.42	42.03	49.60	64.70♥
....	....	....	....	11.34	12.99	14.81	16.20	18.29	20.88	23.45	26.01	28.55	33.62	38.67	46.23♥	53.77♥	68.62♥
....	....	10.55	12.18	13.78	15.36	16.92	18.47	20.52	23.08	25.62	28.16	30.69	35.73♥	40.77♥	48.31♥	55.83♥	70.87♥
9.75	11.36	12.94	14.50	16.05	17.59	19.13	20.65	22.69	26.22	27.75	30.27	32.79♥	37.82♥	42.84♥	50.37♥	57.88♥	72.91♥
12.09	13.63	15.17	16.70	18.23	19.75	21.27	22.79	24.81	27.32♥	29.84♥	32.35♥	38.87♥	39.88♥	44.90♥	52.42♥	59.93♥	94.95♥
14.28	15.80	17.32	18.84	20.35	21.86	23.37	24.88	26.89	29.40	31.91	34.42	36.92	41.93	46.94	54.45	81.96	76.97
....	....	....	....	11.54	13.20	14.81	16.41	18.51	21.10	23.67	26.23	28.79	33.85	38.90♥	46.46♥	54.00♥	69.06♥
....	9.05	10.75	12.39	13.99	15.57	17.13	18.68	20.74	23.30	25.85	28.38	30.91	35.96♥	41.00♥	48.54♥	56.07♥	71.11♥
9.95	11.56	13.15	14.72	16.27	17.81	19.35	20.88	22.91	25.45	27.98	30.50♥	33.02♥	38.05♥	43.08♥	50.61♥	58.12♥	73.15♥
12.30	13.85	15.39	16.93	18.46	19.98	21.50	23.02♥	25.04♥	27.56♥	30.07♥	32.59♥	35.10♥	40.12♥	45.14♥	52.66♥	60.17♥	75.19♥
....	....	....	....	11.73	13.40	15.02	16.62	18.72	21.32	23.89	26.45	29.00	34.08	39.13♥	46.70♥	54.24♥	69.30♥
14.51	16.03	17.55	19.07	20.58	22.09	23.61	25.11	27.13	29.64	32.15	34.68	37.16	42.17	47.18	54.70	62.20	77.22♥
....	9.24	10.95	12.59	14.20	15.78	17.35	18.90	20.96	23.52	26.07	28.61	31.14♥	36.20♥	41.23♥	48.78♥	56.35♥	71.35♥
10.15	11.77	13.36	14.93	16.49	18.03	19.57	21.10	23.14	25.68♥	28.21♥	30.73♥	33.25♥	38.29♥	43.31♥	50.84♥	58.36♥	73.40♥
....	....	....	10.19	11.93	13.60	15.23	16.83	18.93	21.53	24.11	26.67	29.23	34.31♥	39.36♥	46.93♥	54.48♥	69.54♥
....	....	....	....	....	....	....	....	14.25	17.05	19.75	22.40	25.02	30.19	35.31	42.94♥	50.52♥	65.64♥
12.51	14.07	15.61	17.15	18.86	21.20	21.73♥	23.26♥	25.27♥	27.79♥	30.31♥	32.82♥	35.34♥	40.36♥	45.38♥	52.90♥	60.41♥	75.43♥
....	9.43	11.14	12.79	14.40	15.99	17.56	19.12	21.18	23.74	26.30	28.84♥	31.37♥	36.43♥	41.47♥	49.01♥	56.54♥	71.59♥
....	....	....	....	....	....	....	....	14.44	17.25	19.96	22.61	25.23	30.41	35.53	43.16♥	50.75♥	65.87♥
....	....	....	10.38	12.12	13.80	15.43	17.03	19.14	21.75	24.33	27.00	29.45	34.53♥	39.59♥	47.16♥	54.71♥	69.78♥
10.35	11.98	13.57	15.14	16.70	18.25	19.79	21.32	23.36♥	25.90♥	28.44♥	30.96♥	33.48♥	38.52♥	43.55♥	51.08♥	58.60♥	73.64♥
....	9.62	11.34	12.99	14.61	16.20	17.77	19.33	21.40	23.97	26.52♥	29.06♥	31.60♥	36.66♥	41.70♥	49.25♥	56.78♥	71.83♥
....	....	....	....	....	....	....	....	14.63	17.45	20.16	22.82	25.45	30.63	35.76♥	43.39♥	50.98♥	66.11♥
12.73†	14.29†	15.83†	17.37	21.95♥	18.90♥	20.43♥	23.47♥	25.50♥	28.02♥	30.54♥	33.06♥	35.57♥	40.60♥	45.61♥	53.14♥	60.65♥	75.67♥
....	....	....	10.57	12.32	14.00	15.63	17.24	19.36	21.96	24.55	27.12	29.67♥	34.76♥	39.82♥	47.39♥	54.94♥	70.01♥
10.55†	12.1†	13.78	15.36	16.92	18.47	20.01	21.55♥	23.59♥	26.13♥	28.66♥	31.19♥	33.72♥	38.75♥	43.78♥	51.32♥	58.84♥	73.88♥
....	....	....	....	....	....	....	12.43	14.82	17.65	20.37	23.03	25.66	30.85	35.98♥	43.62♥	51.21♥	66.34♥
....	9.81†	11.54	13.20	14.82	15.41	17.99	19.55	21.62	24.19♥	26.74♥	29.29♥	31.83♥	36.89♥	41.93♥	49.48♥	57.02♥	72.07♥
....	....	....	10.75	12.51	14.20	15.84	17.45	19.57	22.18	24.77	27.34♥	29.90♥	34.99♥	40.05♥	47.63♥	55.18♥	70.25♥
....	....	....	....	....	....	....	....	15.02	17.84	20.57	23.24	25.87	31.06♥	36.20♥	43.84♥	51.44♥	66.57♥
10.75†	12.39†	13.99†	15.57†	17.13†	18.69†♥	20.23†♥	21.77♥	23.81♥	26.35♥	28.89♥	31.42♥	33.95♥	38.99♥	44.02♥	51.55♥	59.08♥	74.12♥
....	10.00†	11.73†	13.40	15.02	16.62	18.20	19.76	21.84♥	24.39♥	26.96♥	29.51♥	32.08♥	37.12♥	42.16♥	49.72♥	57.25♥	72.31♥
....	....	....	10.94†	12.71†	14.40	16.04	17.65	19.78	22.39	24.98♥	27.56♥	30.12♥	35.21♥	40.28♥	47.86♥	55.41♥	70.49♥
....	....	....	....	....	....	....	12.79	15.21	18.04	20.78	23.45	26.08	31.28♥	36.42♥	44.07♥	51.6♥	66.81♥
....	....	....	....	....	....	....	12.98†	15.40	18.24	20.98	23.66	26.29♥	31.50♥	36.64♥	44.29♥	51.90♥	67.04♥
....	....	9.20§	11.13‡	12.90	14.59†	16.24†	17.86	19.99	22.61♥	25.20♥	27.78♥	30.34♥	35.44♥	40.51♥	48.09♥	55.65♥	70.73♥
8.30§	10.19‡	11.93‡	13.60†	15.23†	16.83†	18.41†♥	19.98†	22.05†♥	24.63†♥	27.19♥	29.74♥	32.28♥	37.34♥	42.39♥	49.95♥	57.49♥	72.55♥
....	....	9.37§	11.31‡	13.09‡	....	....	13.16†	15.59†	18.44	21.18	23.86♥	26.51♥	31.71♥	36.86♥	44.52♥	52.13♥	67.27♥
....	....	....	....	....	14.79‡	16.44†	18.07†♥	20.19†♥	22.82†♥	25.42†♥	27.99†♥	30.56†♥	35.66♥	40.74♥	48.32♥	55.88♥	70.96♥
....	....	....	....	....	....	....	13.64‡	15.78†	18.64†	21.38†♥	24.07♥	26.72♥	31.93♥	37.08♥	44.74♥	52.35♥	67.50♥
....	....	....	....	....	....	11.49§	13.53§	15.97‡	18.83‡♥	21.59†♥	24.28†♥	26.93†♥	32.14†♥	37.30♥	44.97♥	52.58♥	67.74♥

H Belt Width Table

Belt Width Factor	.42	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32
Belt Width	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5	6	7	8
Belt Width Code	050	062	075	087	100	125	150	175	200	250	300	350	400	500	600	700	800

Teeth in Mesh factor (T.I.M)

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1
†	5	0.8

Shaded area indicates stock belt widths.

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
‡	4	0.6
§	3	0.4

FEATURES/BENEFITS PAGE PT10-2	SPECIFICATIONS PAGE PT10-3	SELECTION PAGE PT10-14	ENGINEERING/TECHNICAL PAGE PT10-44

SELECTION

DODGE

XH Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of Δ		
				Driver		Driven				
1750	1160	870		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	1750	1160	870
1750	1160	870	1.00	40XH	11.141	40XH	11.141	22.22	17.44	13.79
1750	1160	870	1.00	32XH	8.913	32XH	8.913	19.87	14.57	11.29
1750	1160	870	1.00	30XH	8.356	30XH	8.356	19.06	13.79	10.63
1750	1160	870	1.00	28XH	7.799	28XH	7.799	18.16	12.97	9.97
1750	1160	870	1.00	26XH	7.241	26XH	7.241	17.17	12.13	9.29
1750	1160	870	1.00	24XH	6.685	24XH	6.685	16.14◊	11.29	8.61
1750	1160	870	1.00	22XH	6.127	22XH	6.127	15.03◊	10.41◊	7.92
1750	1160	870	1.00	20XH	5.570	20XH	5.570	13.85◊	9.51◊	7.23◊
	1160	870	1.00	18XH	5.013	18XH	5.013	....	8.61	6.52◊
1641	1088	816	1.07	30XH	8.356	32XH	8.913	19.06	13.79	10.63
1633	1083	812	1.07	28XH	7.799	30XH	8.356	18.16	12.97	9.97
1625	1077	808	1.08	26XH	7.241	28XH	7.799	17.17	12.13	9.29
1615	1071	803	1.08	24XH	6.685	26XH	7.241	16.14◊	11.29	8.61
1604	1063	798	1.09	22XH	6.127	24XH	6.685	15.03◊	10.41◊	7.92
1591	1055	791	1.10	20XH	5.570	22XH	6.127	13.85◊	9.51◊	7.23◊
	1044	783	1.11	18XH	5.013	20XH	5.570	....	8.61◊	6.52◊
1531	1015	761	1.14	28XH	7.799	32XH	8.913	18.16	12.97	9.97
1517	1005	754	1.15	26XH	7.241	30XH	8.356	17.17	12.13	9.29
1500	994	746	1.17	24XH	6.685	28XH	7.799	16.14◊	11.29	8.61
1481	982	736	1.18	22XH	6.127	26XH	7.241	15.03◊	10.41◊	7.92
1458	967	725	1.20	40XH	11.141	48XH	13.369	22.22	17.44	13.79
1458	967	725	1.20	20XH	5.570	24XH	6.685	13.85	9.51◊	7.23◊
	949	712	1.22	18XH	5.013	22XH	6.127	....	8.61◊	6.52◊
1422	943	707	1.23	26XH	7.241	32XH	8.913	17.17	12.13	9.29
1400	928	696	1.25	32XH	8.913	40XH	11.141	19.87	14.57	11.29
1400	928	696	1.25	24XH	6.685	30XH	8.356	16.14◊	11.29	8.61
1375	911	684	1.27	22XH	6.127	28XH	7.799	15.03◊	10.41◊	7.92
1346	892	669	1.30	20XH	5.570	26XH	7.241	13.85◊	9.51◊	7.23◊
1313	870	653	1.33	30XH	8.356	40XH	11.141	19.06	13.79	10.63
1313	870	653	1.33	24XH	6.685	32XH	8.913	16.14◊	11.29	8.61
	870	653	1.33	18XH	5.013	24XH	6.685	....	8.61◊	6.52◊
1283	851	638	1.36	22XH	6.127	30XH	8.356	15.03◊	10.41◊	7.92
1250	829	621	1.40	20XH	5.570	28XH	7.799	13.85◊	9.51◊	7.23◊
1225	812	609	1.43	28XH	7.799	40XH	11.141	18.16	12.97	9.97
	803	602	1.44	18XH	5.013	26XH	7.241	....	8.61◊	6.52◊
1203	798	598	1.45	22XH	6.127	32XH	8.913	15.03◊	10.41◊	7.92
1167	773	580	1.50	40XH	11.141	60XH	16.711	22.22	17.44	13.79
1167	773	580	1.50	32XH	8.913	48XH	13.369	19.87	14.57	11.29
1167	773	580	1.50	20XH	5.570	30XH	8.356	13.85◊	9.51◊	7.23◊
1138	754	566	1.54	26XH	7.241	40XH	11.141	17.17	12.13	9.29
	746	559	1.56	18XH	5.013	28XH	7.799	....	8.61◊	6.52◊
1094	725	544	1.60	30XH	8.356	48XH	13.369	19.06	13.79	10.63◊
1094	725	544	1.60	20XH	5.570	32XH	8.913	13.85◊	9.51◊	7.23◊
1050	696	522	1.67	24XH	6.685	40XH	11.141	16.14◊	11.29	8.61
	696	522	1.67	18XH	5.013	30XH	8.356	....	8.61◊	6.52◊
1021	677	508	1.71	28XH	7.799	48XH	13.369	18.16	12.97	9.97
	653	489	1.78	18XH	5.013	32XH	8.913	....	8.61◊	6.52◊
972	644	483	1.80	40XH	11.141	72XH	20.054	22.22	17.44	13.79
963	638	479	1.82	22XH	6.127	40XH	11.141	15.03◊	10.41◊	7.92

Δ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10-17.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

♥ Flanges Required on both pulleys.

XH Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

507XH	560XH	630XH	700XH	770XH	840XH	980XH	1120XH	1260XH	1400XH	1540XH	1750XH
....	....	14.00	17.50	21.00	24.50	31.50	38.50	45.50	52.50	59.50	70.00
11.37	14.00	17.50	21.00	24.50	28.00	35.00	42.00	49.00	56.00	83.00	73.50
12.25	14.87	18.37	21.87	25.37	28.87	35.87	42.87	49.87	56.87	83.87	74.37
13.12	15.75	19.25	22.75	26.25	29.75	36.75	43.75	50.75	57.75	64.75	75.25
14.00	16.62	20.12	23.62	27.12	30.62	37.62	44.62	51.62	58.62	65.62	76.12
14.87	17.50	21.00	24.50	28.00	31.50	38.50	45.50	52.50	59.50	66.50	77.00
15.75	18.37	21.87	25.37	28.87	32.37	39.37	46.37	53.37	60.37	67.37	77.87
16.62	19.25	22.75	26.25	29.75	33.25	40.25	47.25	54.25	61:25	68.25	78.75
17.50	20.12	23.62	27.12	30.62	34.12	41.12	48.12	55.12	62.12	69.12	79.62
11.80	14.43	17.93	21.43	24.93	28.43	35.43	42.43	49.43	56.43	83.43	73.93
12.68	15.31	18.81	22.31	25.81	29.31	36.31	43.31	50.31	57.31	64.31	74.81
13.56	16.18	19.68	23.18	26.68	30.18	37.18	44.18	51.18	58.18	65.18	75.68
14.43	17.06	20.56	24.06	27.56	31.06	38.06	45.06	52.06	59.06	66.06	76.56
15.31	17.93	21.43	24.93	28.43	31.93	38.93	45.93	52.93	59.93	66.93	77.43
16.18	18.81	22.31	25.81	29.31	32.81	39.81	46.81	53.81	60.81	67.81	78.31
17.06	19.68	23.18	26.68	30.18	33.68	40.68	47.68	54.68	61.68	68.68	79.18
12.23	14.86	18.36	21.86	25.36	28.87	35.87	42.87	49.87	56.87	83.87	74.37
13.11	15.74	19.24	22.74	26.24	29.74	36.74	43.74	50.74	57.74	64.74	75.24
13.98	16.61	20.11	23.61	27.12	30.62	37.62	44.62	51.62	58.62	65.62	76.12
14.66	17.49	20.99	24.49	27.99	31.49	38.49	45.49	52.49	59.49	66.49	76.99
....	....	....	15.71	19.21	22.72	29.72	36.73	43.73	50.73	57.74	68.24
15.74	18.36	21.86	25.36	28.87	32.37	39.37	46.37	53.37	60.37	67.37	77.87
16.61	19.24	22.74	26.24	29.74	33.24	40.24	47.24	54.24	61.24	68.24	78.74
12.66	15.29	18.79	22.29	25.79	29.30	36.30	43.30	50.30	57.30	64.30	74.80
	12.19	15.71	19.21	22.72	26.22	33.23	40.23	47.23	54.23	61.24	71.74
13.53	16.16	19.67	23.17	26.67	30.17	37.17	44.18	51.18	58.18	65.18	75.68
14.41	17.04	20.54	24.04	27.55	31.05	38.05	45.05	52.05	59.05	66.05	76.55
15.29	17.91	21.42	24.92	28.42	31.92	38.92	45.93	52.93	59.93	66.93	77.43
	12.61	16.12	19.63	23.14	26.65	33.65	40.66	47.66	54.67	61.67	72.17
13.07	15.71	19.21	22.72	26.22	29.72	36.73	43.73	50.73	57.74	64.74	75.24
16.16	18.79	22.29	25.79	29.30	32.80	39.80	46.80	53.80	60.80	67.80	78.30
13.95	16.58	20.09	23.59	27.10	30.60	37.60	44.61	51.61	58.61	65.61	76.11
14.83	17.46	20.97	24.47	27.97	31.48	38.48	45.48	52.48	59.49	66.49	76.99
10.36	13.01	16.54	20.05	23.56	27.07	34.08	41.09	48.09	55.10	62.10	72.60
15.71	18.34	21.84	25.35	28.85	32.35	39.35	46.36	53.36	60.36	67.36	77.86
13.49	16.12	19.63	23.14	26.65	30.15	37.16	44.16	51.16	58.17	65.17	75.67
....	....	....	....	16.38	19.93	26.98	34.01	41.03	48.04	55.05	65.56
		13.82	17.35	20.88	24.39	31.42	38.43	45.44	52.45	59.45	69.96
14.37	17.00	20.51	24.02	27.52	31.03	38.03	45.04	52.04	59.04	66.04	76.55
10.76	13.42	16.95	20.47	23.98	27.49	34.50	41.50	48.52	55.52	62.53	73.03
15.24	17.88	21.39	24.89	28.40	31.90	38.91	45.91	52.91	59.92	66.92	77.42
....	....	14.21	17.76	21.29	24.81	31.83	38.85	45.86	52.87	59.88	70.39♥
13.89	16.54	20.05	23.56	27.07	30.58	37.58	44.59	51.59	58.60	65.60	76.10
11.15	13.82	17.35	20.88	24.39	27.91	34.92	41.94	48.94	55.95	62.96	73.46
14.78	17.42	20.93	24.44	27.95	31.45	38.45	38.46	52.47	59.47	66.47	76.98
....	11.02	14.60	18.16	21.69	25.22	32.25	39.27	46.29	53.30	60.31	70.82♥
14.30	16.95	20.47	23.98	27.49	31.00	38.01	45.02	52.02	59.03	66.03	76.53
....	....	....	....	....	16.90	24.08	31.18	38.24	45.28	52.31	62.84
11.54	14.21	17.76	21.29	24.81	28.32	35.34	42.36	49.37	56.38	83.38	73.89

XH Belt Width Table

Belt Width Factor	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32	11.70	13.10	14.41	15.84	17.16	18.62
Belt Width	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5	6	7	8	9	10	11	12	13	14
Belt Width Code	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1100	1200	1300	1400

Shaded area indicates stock belt widths

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SELECTION

DODGE

XH Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of Δ		
				Driver		Driven				
1750	1160	870		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	1750	1160	870
948	628	471	1.85	26XH	7.241	48XH	13.369	17.17	12.13	9.29
933	618	464	1.88	32XH	8.913	60XH	16.711	19.87	14.57	11.29
875	580	435	2.00	30XH	8.356	60XH	16.711	19.06	13.79	10.63
875	580	435	2.00	24XH	6.685	48XH	13.369	16.14◊	11.29	8.61
875	580	435	2.00	20XH	5.570	40XH	11.141	13.85◊	9.51◊	7.23◊
833	552	414	2.10	40XH	11.141	84XH	23.396	22.22	17.44	13.79
817	541	407	2.14	28XH	7.799	60XH	16.711	18.16	12.97	9.97
802	531	399	2.18	22XH	6.127	48XH	13.369	15.03◊	10.41◊	7.92
....	523	392	2.22	18XH	5.013	40XH	11.141	....	8.61◊	6.52◊
778	516	387	2.25	32XH	8.913	72XH	20.054	19.87	14.57	11.29
758	502	377	2.31	26XH	7.241	60XH	16.711	17.17	12.13	9.29
729	483	363	2.40	40XH	11.141	96XH	26.738	22.22	17.44	13.79
729	483	363	2.40	30XH	8.356	72XH	20.054	19.06	13.79	10.63
729	483	363	2.40	20XH	5.570	48XH	13.369	13.85◊	9.51◊	7.23◊
700	464	348	2.50	24XH	6.685	60XH	16.711	16.14◊	11.29	8.61
681	451	339	2.57	28XH	7.799	72XH	20.054	18.16	12.97	9.97
667	442	331	2.63	32XH	8.913	84XH	23.396	19.87	14.57	11.29
....	434	326	2.67	18XH	5.013	48XH	13.369	....	8.61◊	6.52◊
642	425	319	2.73	22XH	6.127	60XH	16.711	15.03◊	10.41◊	7.92
632	419	314	2.77	26XH	7.241	72XH	20.054	17.17	12.13	9.29
625	414	311	2.80	30XH	8.356	84XH	23.396	19.06	13.79	10.63
583	387	290	3.00	40XH	11.141	120XH	33.423	22.22	17.44	13.79
583	387	290	3.00	32XH	8.913	96XH	26.738	19.87	14.57	11.29
583	387	290	3.00	28XH	7.799	84XH	23.396	18.16	12.97	9.97
583	387	290	3.00	24XH	6.685	72XH	20.054	16.14◊	11.29	8.61
583	387	290	3.00	20XH	5.570	60XH	16.711	13.85◊	9.51◊	7.23◊
547	363	272	3.20	30XH	8.356	96XH	26.738	19.06	13.79	10.63
542	359	269	3.23	26XH	7.241	84XH	23.396	17.17	12.13	9.29
535	355	266	3.27	22XH	6.127	72XH	20.054	15.03◊	10.41◊	7.92
....	348	261	3.33	18XH	5.013	60XH	16.711	....	8.61◊	6.52◊
510	338	254	3.43	28XH	7.799	96XH	26.738	18.16	12.97	9.97
500	331	249	3.50	24XH	6.685	84XH	23.396	16.14◊	11.29	8.61
486	322	242	3.60	20XH	5.570	72XH	20.054	13.85◊	9.51◊	7.23◊
474	314	236	3.69	26XH	7.241	96XH	26.738	17.17	12.13	9.29
467	309	232	3.75	32XH	8.913	120XH	33.423	19.87	14.57	11.29
458	304	228	3.82	22XH	6.127	84XH	23.396	15.03◊	10.41	7.92
438	290	218	4.00	30XH	8.356	120XH	33.423	19.06	13.79◊	10.63
438	290	218	4.00	24XH	6.685	98XH	26.738	16.14◊	11.29	8.61
....	290	218	4.00	18XH	5.013	72XH	20.054	....	8.61◊	6.52◊
416	276	207	4.20	20XH	5.570	84XH	23.396	13.85◊	9.51◊	7.23◊
408	270	203	4.29	28XH	7.799	120XH	33.423	18.16	12.97	9.97
401	266	200	4.36	22XH	6.127	96XH	26.738	15.03◊	10.41◊	7.92
379	251	188	4.62	26XH	7.241	120XH	33.423	17.17	12.13	9.29
....	249	186	4.67	18XH	5.013	84XH	23.396	....	8.61◊	6.52◊
365	242	181	4.80	20XH	5.570	96XH	26.738	13.85◊	9.51◊	7.23◊
350	232	174	5.00	24XH	6.685	120XH	33.423	16.14◊	11.29	8.61
....	217	162	5.33	18XH	5.013	96XH	26.738	....	8.61◊	6.52◊
321	212	159	5.45	22XH	6.127	120XH	33.423	15.03	10.41◊	7.92
292	193	145	6.00	20XH	5.570	120XH	33.423	13.85◊	9.51◊	7.23◊
....	174	130	6.67	18XH	5.013	120XH	33.423	....	8.61◊	6.52◊

Δ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10-17.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

†‡ See Teeth in Mesh table on opposite page.

♥ Flanges Required on both pulleys.

XH Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

507XH	560XH	630XH	700XH	770XH	840XH	980XH	1120XH	1260XH	1400XH	1540XH	1750XH
....	11.39	14.99	18.55	22.10	25.63	32.66	39.69	46.71	53.72	60.73	71.24
....	....	....	14.34	17.95	21.52	28.60	35.66	42.69	49.72	56.74	67.26
....	....	....	14.71	18.33	21.91	29.01	36.07	43.11	50.13	57.15	67.68♥
....	11.77	15.38	18.95	22.50	26.03	33.08	40.11	47.13	54.14♥	61.15♥	71.67♥
11.92	14.60	18.16	21.69	25.22	28.74	35.76	42.78	49.79	56.80	63.81	74.32
....	....	....	....	....	....	20.97	28.20	35.34	42.43	49.49	60.06
....	....	....	15.08	18.71	22.30	29.41	36.47	43.52	50.55	57.57	68.10♥
....	12.14	15.77	19.34	22.90	26.43	33.49	40.52	47.54	54.56♥	61.58♥	72.09♥
12.30	14.99	18.55	22.10	25.83	29.15	36.18	43.20	50.21	57.23	64.24	74.75
....	....	....	....	....	18.40	25.64	32.77	39.86	46.91	53.96	64.50
....	....	....	15.45	19.09	22.69	29.81	36.88	43.93	50.96	57.99♥	68.52♥
....	....	....	....	....	....	....	25.02	32.30	39.47	46.59	57.21
....	....	....	....	15.03	18.76	26.02	33.17	40.26	47.32	54.37	64.92
....	12.51	16.15	19.73	23.29	26.84	33.90	40.94	47.96♥	54.98♥	62.00♥	72.52♥
....	....	....	15.82	19.47	23.07	30.20	37.28	44.34	51.38	58.41♥	68.94♥
....	....	....	....	15.38	19.13	26.41	33.56	40.66	47.73	54.78	65.33♥
....	....	....	....	....	....	22.44	29.73	36.91	44.02	51.11	61.70
10.05	12.87	16.53	20.12	23.69	27.24	34.30	41.35♥	48.38♥	55.40♥	62.42♥	72.94♥
....	....	12.41	16.19	19.85	23.46	30.60	37.69	44.74	51.79♥	58.82♥	69.36♥
....	....	....	....	15.74	19.50	26.79	33.95	41.06	48.13	55.19	65.75♥
....	....	....	....	....	....	22.81	30.11	37.30	44.42	51.51	62.10
....	....	....	....	....	....	....	....	25.52	33.10	40.45	51.28
....	....	....	....	....	....	18.85	26.48	33.81	41.02	48.17	58.82
....	....	....	....	....	....	23.17	30.49	37.69	44.82	51.91	62.51♥
....	....	....	....	16.09	19.86	27.17	34.34	41.46	48.53	55.59♥	66.16♥
....	....	12.76	16.55	20.22	23.84	30.99	38.09	45.15♥	52.20♥	59.23♥	69.77♥
....	....	....	....	....	....	19.19	26.84	34.19	41.41	48.56	59.22
....	....	....	....	....	15.82	27.55	34.73	38.07	48.94	52.31	62.91♥
....	....	....	....	16.44	20.22	23.53	30.87	41.85	45.21	56.00♥	66.57♥
....	....	13.11	16.91	20.60	24.22	31.39	38.49	45.56♥	52.61♥	59.65♥	70.19♥
....	....	....	....	....	....	19.53	27.21	34.57	41.79	48.95	59.62
....	....	....	....	....	16.16	23.89	31.25	38.46	45.60	52.71	63.32♥
....	....	....	....	16.78	20.58	27.93	35.12	42.25	49.34♥	56.41♥	66.98♥
....	....	....	....	....	....	19.87	27.57	34.94	42.18	49.34	60.01♥
....	....	....	....	....	....	....	....	26.90	34.55	41.94	52.82
....	....	....	....	....	16.49	24.25	31.62	38.84	46.00	53.10♥	63.72♥
....	....	....	....	....	....	....	....	27.25	34.91	42.31	53.20
....	....	....	....	....	....	20.20	27.93	35.31	42.56	49.73	60.41♥
....	....	....	13.08†	17.13	20.94	28.30	35.51	42.64♥	49.74♥	56.81♥	67.39♥
....	....	....	....	....	16.83	24.61	32.00	39.23	46.39♥	53.50♥	64.13♥
....	....	....	....	....	....	....	....	27.59	35.27	42.68	53.58
....	....	....	....	....	....	20.54	28.28	35.69	42.94	50.12♥	60.81♥
....	....	....	....	....	....	....	....	27.93	35.83	43.05	53.96
....	....	....	....	....	17.16†	24.97	32.37	39.61	46.78♥	53.90♥	64.53♥
....	....	....	....	....	....	20.88	28.64	36.06	43.32	50.51♥	81.20♥
....	....	....	....	....	....	....	....	28.27	35.98	43.42	54.34♥
....	....	....	....	....	....	21.21	29.00	36.43	43.70♥	50.89♥	61.60♥
....	....	....	....	....	....	....	....	28.61	36.34	43.79	54.72♥
....	....	....	....	....	....	....	20.40†	28.95	36.69	44.16	55.10♥
....	....	....	....	....	....	....	20.71‡	29.29	37.05	44.52♥	55.48♥

XH Belt Width Table

Belt Width Factor	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32	11.70	13.10	14.41	15.84	17.16	18.62
Belt Width	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5	6	7	8	9	10	11	12	13	14
Belt Width Code	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1100	1200	1300	1400

Teeth in Mesh factor (T.I.M)

Shaded area indicates stock belt widths.

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00
†	5	.80

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
‡	4	.60

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SELECTION

DODGE

XL Stock Drive Selections

RPM of Faster Shaft	HP for a 1" Wide Belt for Various Pulleys												
	10XL .637 P.D.	11XL .700 P.D.	12XL .764 P.D.	14XL .891 P.D.	15XL .955 P.D.	16XL 1.019 P.D.	18XL 1.146 P.D.	20XL 1.273 P.D.	21XL 1.337 P.D.	22XL 1.401 P.D.	24XL 1.528 P.D.	28XL 1.783 P.D.	30XL 1.910 P.D.
100	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.05	.06	.06
200	.04	.04	.05	.06	.06	.07	.07	.08	.08	.09	.10	.11	.12
300	.06	.07	.07	.09	.09	.10	.11	.12	.13	.13	.14	.17	.18
400	.08	.09	.10	.11	.12	.13	.14	.16	.17	.17	.19	.23	.24
500	.10	.11	.12	.14	.15	.16	.18	.20	.21	.22	.24	.29	.30
600	.12	.13	.14	.17	.18	.19	.22	.24	.26	.27	.29	.34	.37
700	.14	.15	.17	.20	.21	.23	.26	.28	.30	.31	.34	.40	.43
800	.16	.17	.19	.23	.24	.26	.30	.33	.34	.36	.40	.48	.49
900	.18	.20	.22	.26	.27	.30	.33	.37	.39	.40	.44	.51	.55
1000	.20	.22	.24	.29	.31	.33	.37	.41	.43	.45	.49	.57	.62
1100	.22	.25	.26	.31	.34	.36	.40	.45	.47	.49	.54	.63	.68
1160	.23	.26	.28	.33	.36	.38	.42	.46	.50	.52	.56	.66	.71
1200	.24◊	.27	.29	.34	.37	.39	.44	.49	.52	.54	.59	.68	.74
1300	.26◊	.29	.31	.37	.40	.42	.48	.53	.56	.58	.64	.74	.80
1400	.28◊	.31	.34	.40	.43	.46	.52	.57	.60	.63	.69	.80	.86
1500	.30◊	.34	.36	.43	.46	.49	.55	.61	.64	.67	.74	.86	.92
1600	.33◊	.36	.40	.46	.49	.53	.59	.65	.69	.72	.79	.91	.98
1700	.35◊	.38	.42	.49	.52	.56	.63	.67	.73	.77	.83	.97	1.04
1750	.36◊	.39	.43	.50	.53	.58	.64	.72	.75	.79	.86	1.00	1.07
1800	.37◊	.40◊	.44	.51	.55	.59	.66	.74	.77	.81	.88	1.03	1.10
2000	.41◊	.45◊	.49	.57	.62	.65	.74	.82	.86	.90	.98	1.15	1.23
2200	.45◊	.49◊	.54	.63	.68	.72	.81	.90	.94	.99	1.08	1.25	1.34
2400	.49◊	.54◊	.59	.68	.74	.79	.88	.98	1.03	1.07	1.18	1.37	1.46
2600	.53◊	.58◊	.64	.74	.80	.85	.96	1.06	1.12	1.17	1.25	1.48	1.58
2800	.57◊	.63◊	.69	.80	.86	.92	1.03	1.15	1.20	1.26	1.37	1.59	1.71
3000	.61◊	.67◊	.74	.86	.92	.98	1.10	1.23	1.28	1.34	1.46	1.71	1.82
3200	.65◊	.72◊	.79	.91	.98	1.05	1.18	1.30	1.37	1.43	1.56	1.81	1.94
3400	.69◊	.77◊	.83	.97	1.04	1.11	1.25	1.38	1.45	1.52	1.66	1.92	2.05
3500	.72◊	.79◊	.86	1.00	1.07	1.15	1.28	1.42	1.49	1.57	1.71	1.98	2.11
3600	.74◊	.81◊	.88◊	1.03	1.10	1.18	1.32	1.46	1.54	1.61	1.75	2.03	2.16
3800	.78◊	.83◊	.93◊	1.09	1.17	1.24	1.39	1.54	1.62	1.70	1.84	2.13	2.27
4000	.82◊	.90◊	.98◊	1.15	1.23	1.30	1.46	1.63	1.71	1.78	1.94	2.24	2.39
4200	.86◊	.94◊	1.03◊	1.20	1.28	1.37	1.53	1.71	1.76	1.86	2.03	2.35	2.50
4400	.90◊	.99◊	1.08◊	1.25◊	1.34	1.43	1.61	1.78	1.86	1.95	2.12	2.45	2.61
4600	.94◊	1.03◊	1.13◊	1.31◊	1.40	1.50	1.68	1.66	1.95	2.04	2.21	2.55	2.71
4800	.98◊	1.07◊	1.18◊	1.37◊	1.46	1.56	1.75	1.94	2.03	2.13	2.30	2.65	2.82
5000	1.02◊	1.12◊	1.23◊	1.42◊	1.52	1.63	1.82	2.01	2.11	2.20	2.39	2.75	2.92
5500	....	....	....	....	1.67◊	1.78	2.00	2.20	2.30	2.41	2.61	2.99	3.18
6000	....	....	....	....	1.82◊	1.94	2.16	2.39	2.50	2.61	2.82	3.23	3.41
6500	....	....	....	....	1.96◊	2.09	2.34	2.57	2.69	2.80	3.03	3.42	3.64
7000	....	....	....	....	2.11◊	2.24◊	2.50	2.75	2.87	2.99	3.23	3.65	3.84
7500	....	....	....	....	2.25◊	2.39◊	2.66	2.92	3.05	3.18	3.41	3.84	4.03
8000	....	....	....	....	....	....	2.82◊	3.10	3.23	3.34	3.59	4.02	4.21
8500	....	....	....	....	....	....	2.97◊	3.26	3.39	3.52	3.76	4.19	4.37
9000	....	....	....	....	....	....	3.13◊	3.41◊	3.55	3.68	3.92	4.34	4.51
9500	....	....	....	....	....	....	3.28◊	3.56◊	3.70	3.83	4.07	4.47	4.63
10000	....	....	....	....	....	....	3.41◊	3.71◊	3.84	3.97	4.21	4.59	4.72

XL Belt Width Table

Belt Width Factor	.15	.28	.35	.42	.57	.71	.86	1.00	1.29	1.56
Belt Width	1/4	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2
Belt Width Code	025	037	043	050	062	075	087	100	125	150

Shaded area indicates stock belt widths.

◊ Pulley diameter is below recommended minimum.
A reduction in belt life should be expected. Suggest alternate drive, when ever possible.

DODGE

L Stock Drive Selections

RPM of Faster Shaft	HP for a 1" Wide Belt for Various Pulleys																		
	10L 1.194 P.D.	12L 1.432 P.D.	13L Δ 1552 P.D.	14L 1.671 P.D.	15L Δ 1.790 P.D.	16L 1.910 P.D.	17L 2.029 P.D.	18L 2.149 P.D.	19L 2.268 P.D.	20L 2.387 P.D.	21L 2.507 P.D.	22L 2.626 P.D.	24L 2.865 P.D.	26L 3.104 P.D.	28L 3.342 P.D.	30L 3.581 P.D.	32L 3.820 P.D.	40L 4.775 P.D.	48L 5.730 P.D.
100	.05◊	.06	.07	.07	.08	.08	.09	.09	.10	.10	.11	.12	.13	.14	.15	.16	.17	.21	.25
200	.10◊	.13	.14	.15	.16	.17	.18	.19	.20	.21	.22	.23	.25	.27	.29	.31	.33	.42	.50
300	.16◊	.19	.20	.22	.23	.25	.27	.28	.30	.31	.33	.34	.38	.41	.44	.47	.50	.63	.75
400	.21◊	.25	.27	.29	.31	.33	.35	.38	.40	.42	.44	.46	.50	.54	.58	.62	.67	.83	1.00
500	.26◊	.31	.34	.37	.39	.42	.44	.47	.50	.52	.55	.57	.63	.68	.73	.78	.83	1.04	1.24
600	.31◊	.37	.41	.44	.47	.50	.53	.56	.59	.63	.66	.69	.75	.81	.87	.94	1.00	1.24	1.49
700	.37◊	.44	.47	.51	.55	.58	.62	.66	.69	.73	.77	.80	.87	.95	1.02	1.09	1.16	1.45	1.73
800	.42◊	.50	.54	.58	.62	.67	.71	.75	.79	.83	.87	.92	1.00	1.08	1.16	1.24	1.32	1.85	1.97
870	.45◊	.54	.59	.63	.68	.73	.77	.82	.86	.91	.95	1.00	1.08	1.17	1.26	1.35	1.44	1.79	2.14
900	.47◊	.56	.61	.66	.70	.75	.80	.84	.89	.94	.98	1.03	1.12	1.21	1.30	1.40	1.49	1.65	2.21
1000	.52◊	.62	.88	.73	.78	.83	.89	.94	.99	1.04	1.09	1.14	1.24	1.34	1.45	1.55	1.65	2.05	2.44
1100	.57◊	.69	.75	.80	.86	.92	.97	1.03	1.08	1.14	1.20	1.25	1.36	1.48	1.59	1.70	1.81	2.25	2.67
1160	.60◊	.72	.79	.85	.91	.97	1.03	1.08	1.14	1.20	1.26	1.32	1.44	1.56	1.67	1.79	1.91	2.36	2.81
1200	.63◊	.75◊	.81	.88	.94	1.00	1.06	1.12	1.18	1.24	1.30	1.36	1.49	1.61	1.73	1.85	1.97	2.44	2.90
1300	.68◊	.81◊	.68	.95	1.01	1.08	1.15	1.21	1.28	1.34	1.41	1.48	1.61	1.74	1.87	2.00	2.13	2.63	3.12
1400	.73◊	.87◊	.95	1.02	1.09	1.16	1.23	1.30	1.38	1.45	1.52	1.59	1.73	1.87	2.01	2.15	2.29	2.82	3.34
1500	.78◊	.94◊	1.02◊	1.09	1.16	1.24	1.32	1.40	1.47	1.55	1.62	1.70	1.85	2.00	2.15	2.30	2.44	3.01	3.55
1600	.83◊	1.00◊	1.08◊	1.16	1.24	1.32	1.41	1.49	1.57	1.65	1.73	1.81	1.97	2.13	2.28	2.44	2.60	3.20	3.76
1700	.89◊	1.06◊	1.15◊	1.23	1.32	1.41	1.49	1.58	1.66	1.75	1.83	1.92	2.09	2.26	2.42	2.59	2.75	3.38	3.97
1750	.91◊	1.09◊	1.17◊	1.27	1.36	1.45	1.54	1.62	1.71	1.80	1.89	1.98	2.15	2.32	2.49	2.66	2.83	3.47	4.06
1800	....	1.12◊	1.21◊	1.30◊	1.39	1.49	1.58	1.67	1.76	1.85	1.94	2.03	2.21	2.38	2.56	2.73	2.90	3.55	4.16
1900	....	1.18◊	1.27◊	1.38◊	1.47	1.57	1.66	1.76	1.85	1.95	2.04	2.14	2.32	2.51	2.69	2.87	3.05	3.73	4.35
2000	....	1.24◊	1.35◊	1.45◊	1.55	1.65	1.75	1.85	1.95	2.05	2.15	2.25	2.44	2.63	2.82	3.01	3.19	3.89	4.54
2200	....	1.36◊	1.48◊	1.59◊	1.70	1.81	1.92	2.03	2.14	2.25	2.35	2.46	2.67	2.88	3.08	3.28	3.49	4.23	4.89
2400	....	1.49◊	1.61◊	1.73◊	1.85	1.97	2.09	2.21	2.32	2.44	2.56	2.67	2.90	3.12	3.34	3.56	3.76	4.54	5.21
2500	....	1.55◊	1.68◊	1.80◊	1.92◊	2.05	2.17	2.30	2.42	2.54	2.66	2.78	3.01	3.24	3.47	3.68	3.90	4.69	5.35
2600	....	1.61◊	1.74◊	1.87◊	2.00◊	2.13	2.26	2.38	2.51	2.63	2.76	2.88	3.12	3.36	3.59	3.81	4.03	4.83	5.48
2800	....	1.73◊	1.87◊	2.01◊	2.14◊	2.29	2.42	2.56	2.69	2.82	2.96	3.09	3.34	3.59	3.83	4.06	4.29	5.10	5.73
3000	....	1.85◊	2.00◊	2.15◊	2.29◊	2.44	2.59	2.73	2.87	3.01	3.15	3.29	3.55	3.81	4.06	4.30	4.54	5.35	5.94
3200	....	....	2.13◊	2.28◊	2.44◊	2.60	2.74	2.90	3.04	3.19	3.34	3.48	3.76	4.03	4.29	4.54	4.77	5.57	6.11
3400	....	....	2.26◊	2.42◊	2.58◊	2.75	2.91	3.07	3.22	3.37	3.53	3.67	3.97	4.24	4.50	4.76	4.99	5.78	6.23
3500	....	....	2.32◊	2.49◊	2.65◊	2.83	2.99	3.15	3.31	3.46	3.62	3.77	4.06	4.35	4.61	4.86	5.10	5.87	6.27
3600	....	....	....	2.55◊	2.73◊	2.90◊	3.07◊	3.23	3.39	3.55	3.71	3.86	4.16	4.45	4.72	4.97	5.21	5.95	6.31
3800	....	....	....	2.69◊	2.86◊	3.03◊	3.22◊	3.40	3.56	3.73	3.89	4.05	4.35	4.64	4.91	5.16	5.40	6.09	6.33
4000	....	....	....	2.83◊	3.00◊	3.20◊	3.37◊	3.56	3.73	3.89	4.06	4.23	4.54	4.83	5.10	5.34	5.57	6.21	6.31
4200	....	....	....	....	3.15◊	3.34◊	3.53◊	3.72	3.88	4.06	4.23	4.40	4.72	5.01	5.28	5.52	5.74	6.28	6.23
4400	....	....	....	....	3.28◊	3.49◊	3.67◊	3.86	4.04	4.22	4.40	4.57	4.89	5.19	5.44	5.68	5.88	6.33	6.09†
4600	....	....	....	....	3.41◊	3.63◊	3.82◊	4.01	4.20	4.38	4.56	4.73	5.05	5.34	5.59	5.82	6.01	6.35	5.89†
4800	....	....	....	....	3.54◊	3.77◊	3.96◊	4.17	4.35	4.54	4.72	4.89	5.20	5.48	5.73	5.94	6.12	6.32	5.63†
5000	....	....	....	....	3.67◊	3.91◊	4.10◊	4.31◊	4.50◊	4.68	4.86	5.04	5.35	5.63	5.86	6.06	6.20	6.26	5.30†
5200	....	....	....	....	3.81◊	4.03◊	4.23◊	4.45◊	4.63◊	4.82	5.01	5.18	5.48	5.76	5.98	6.15	6.27	6.16†	4.91†
5400	....	....	....	....	3.93◊	4.17◊	4.37◊	4.59◊	4.77◊	4.96	5.14	5.31	5.61	5.88	6.07	6.23	6.32	6.01†	4.44†
5600	....	....	....	....	4.05◊	4.29◊	4.50◊	4.72◊	4.91◊	5.09	5.28	5.44	5.73	5.98	6.16	6.28	6.34	5.83†	3.89†
5800	....	....	....	....	4.17◊	4.42◊	4.62◊	4.84◊	5.04◊	5.22	5.40	5.57	5.84	6.07	6.23	6.32	6.34	5.60†	3.27†
6000	....	....	....	....	4.29◊	4.5◊	4.75◊	4.97◊	5.15◊	5.34	5.52	5.68	5.93	6.15	6.28	6.35	6.33	5.32†	2.57†

L Belt Width Table

Belt Width Factor	.28	.35	.45	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36
Belt Width	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3
Belt Width Code	037	043	050	062	075	087	100	125	150	175	200	250	300

Shaded area indicates stock belt widths.

Δ Special non-stock sizes.

† Belt Speed exceeds 6500 FPM – consult Dodge.

◊ Pulley diameter is below recommended minimum.
A reduction in belt life should be expected. Suggest alternate drive, when ever possible.

FEATURES/BENEFITS PAGE PT10-2	SPECIFICATIONS PAGE PT10-3	SELECTION PAGE PT10-14	ENGINEERING/TECHNICAL PAGE PT10-44

SELECTION

H Stock Drive Selections

RPM of Faster Shaft	HP for a 1" Wide Belt for Various Pulleys																
	14H 2.228 P.D.	16H 2.546 P.D.	17H 2.706 P.D.	18H 2.865 P.D.	19H 3.024 P.D.	20H 3.183 P.D.	21H 3.342 P.D.	22H 3.501 P.D.	24H 3.820 P.D.	26H 4.138 P.D.	28H 4.456 P.D.	30H 4.775 P.D.	32H 5.039 P.D.	36H Δ 5.730 P.D.	40H 6.366 P.D.	44H Δ 7.003 P.D.	48H 7.639 P.D.
100	.25	.28	.30	.32	.34	.35	.37	.39	.42	.46	.50	.53	.57	.64	.71	.78	.85
200	.50	.57	.60	.64	.67	.71	.74	.78	.85	.92	.99	1.06	1.13	1.27	1.41	1.56	1.70
300	.74	.85	.90	.96	1.01	1.06	1.11	1.17	1.27	1.38	1.49	1.59	1.70	1.91	2.12	2.33	2.54
400	.99	1.13	1.20	1.27	1.34	1.41	1.49	1.56	1.70	1.84	1.98	2.12	2.26	2.54	2.82	3.10	3.38
500	1.24	1.41	1.50	1.59	1.68	1.77	1.86	1.94	2.12	2.30	2.47	2.65	2.82	3.17	3.52	3.87	4.22
600	1.49	1.70	1.80	1.91	2.02	2.12	2.23	2.33	2.54	2.75	2.96	3.17	3.38	3.80	4.22	4.64	5.05
700	1.73	1.98	2.10	2.23	2.35	2.47	2.59	2.72	2.96	3.21	3.45	3.70	3.94	4.43	4.91	5.40	5.88
800	1.98	2.26	2.40	2.54	2.68	2.82	2.96	3.10	3.38	3.66	3.94	4.22	4.50	5.05	5.60	6.15	6.69
870	2.15	2.46	2.61	2.76	2.91	3.07	3.22	3.37	3.68	3.98	4.28	4.58	4.89	5.49	6.08	6.67	7.26
900	2.23◊	2.54	2.70	2.86	3.01	3.17	3.33	3.49	3.80	4.11	4.43	4.74	5.05	5.67	6.29	6.89	7.50
1000	2.47◊	2.82	3.00	3.17	3.35	3.52	3.70	3.87	4.22	4.57	4.91	5.26	5.60	6.29	6.96	7.63	8.30
1100	2.72◊	3.10	3.30	3.49	3.68	3.87	4.06	4.26	4.64	5.02	5.40	5.77	6.15	6.90	7.63	8.36	9.08
1160	2.86◊	3.27	3.47	3.68	3.88	4.08	4.28	4.48	4.89	5.28	5.68	6.08	6.48	7.26	8.03	8.80	9.55
1200	....	3.38◊	3.59	3.80	4.01	4.22	4.43	4.64	5.05	5.46	5.88	6.29	6.69	7.50	8.30	9.08	9.86
1300	....	3.66◊	3.89	4.12	4.34	4.57	4.79	5.01	5.46	5.91	6.35	6.79	7.23	8.10	8.95	9.79	10.62
1400	....	3.94◊	4.19	4.43	4.67	4.91	5.15	5.39	5.87	6.35	6.83	7.30	7.77	8.69	9.60	10.49	11.36
1500	....	4.22◊	4.48◊	4.74	5.00	5.26	5.51	5.77	6.28	6.79	7.30	7.80	8.30	9.28	10.24	11.18	12.09
1600	....	4.50◊	4.78◊	5.05	5.33	5.60	5.87	6.15	6.69	7.23	7.77	8.30	8.82	9.86	10.87	11.85	12.80
1700	....	4.77◊	5.07◊	5.36	5.65	5.94	6.23	6.52	7.10	7.67	8.23	8.79	9.34	10.43	11.49	12.51	13.50
1750	....	4.91◊	5.22◊	5.52	5.81	6.11	6.41	6.71	7.30	7.88	8.46	9.03	9.60	10.71	11.79	12.84	13.84
1800	....	5.05◊	5.36◊	5.67◊	5.98	6.28	6.59	6.89	7.50	8.10	8.69	9.28	9.86	10.99	12.09	13.15	14.18
1900	....	5.42◊	5.66◊	5.98◊	6.30	6.62	6.94	7.26	7.90	8.53	9.15	9.76	10.36	11.55	12.69	13.78	14.83
2000	....	5.60	5.95◊	6.28◊	6.62	6.96	7.30	7.63	8.29	8.95	9.60	10.24	10.87	12.10	13.27	14.40	15.46
2100	....	....	....	6.59◊	6.94	7.29	7.65	8.00	8.69	9.37	10.05	10.71	11.36	12.63	13.84	14.99	16.08
2200	....	....	....	6.89◊	7.26	7.63	8.00	8.36	9.08	9.79	10.49	11.18	11.85	13.16	14.40	15.57	16.66
2300	....	....	....	7.20◊	7.58	7.96	8.34	8.72	9.47	10.21	10.93	11.64	12.33	13.68	14.94	16.13	17.23
2400	....	....	....	7.50◊	7.90	8.29	8.69	9.08	9.85	10.62	11.37	12.09	12.80	14.18	15.46	16.66	17.76
2500	....	....	....	7.80◊	8.21◊	8.62	9.03	9.44	10.23	11.02	11.80	12.54	13.27	14.68	15.98	17.18	18.27
2600	....	....	....	8.10◊	8.52◊	8.95	9.37	9.79	10.61	11.42	12.22	12.98	13.72	15.16	16.47	17.67	18.75
2800	....	....	....	8.69◊	9.14◊	9.59	10.04	10.49	11.35	12.21	13.05	13.84	14.61	16.09	17.41	18.60	19.63
3000	....	....	....	9.28◊	9.75◊	10.23	10.70	11.18	12.08	12.98	13.85	14.67	15.46	16.96	18.27	19.42	20.38
3200	....	....	....	9.85◊	10.36◊	10.85	11.35	11.85	12.79	13.72	14.63	15.46	18.27	17.78	19.06	20.14	20.99
3400	....	....	....	10.43◊	10.95◊	11.47	11.99	12.51	13.48	14.45	15.37	16.22	17.03	18.53	19.76	20.75	21.46†
3500	....	....	....	10.71◊	11.24◊	11.77	12.31	12.84	13.82	14.80	15.74	16.59	17.40	18.89	20.08	21.01	21.63†
3600	....	....	....	....	....	12.07◊	12.62	13.16	14.16	15.15	16.09	16.95	17.75	19.22	20.37	21.24†	21.77†
3800	....	....	....	....	....	12.67◊	13.23	13.79	14.81	15.82	16.78	17.63	18.42	19.85	20.89	21.60†	21.92†
4000	....	....	....	....	....	13.24◊	13.82	14.40	15.44	16.46	17.43	18.27	19.04	20.40	21.31†	21.83†	21.90†
4200	....	....	....	....	....	13.81◊	14.41	15.00	16.04	17.08	18.05	18.87	19.61	20.88	21.62†	21.93†	21.70†
4400	....	....	....	....	....	14.36◊	14.97	15.57	16.63	17.67	18.82	18.42	20.12	21.27†	21.83†	21.87†	21.32†
4600	....	....	....	....	....	14.90◊	15.52◊	16.13	17.18	18.22	19.16	19.90	20.57	21.58†	21.82†	21.67†	20.73†
4800	....	....	....	....	....	15.42◊	16.05◊	16.67	17.71	18.74	19.66	20.37	20.96	21.81†	21.89†	21.30†	19.93†
5000	....	....	....	....	....	15.93◊	16.56◊	17.19	18.22	19.23	20.12	20.77	21.29†	21.95†	21.73†	20.77†	....
5200	....	....	....	....	....	16.41◊	17.05◊	17.69	18.69	19.68	20.53	21.11†	21.54†	21.99†	21.44†	20.06†	....
5400	....	....	....	....	....	18.89◊	17.53◊	18.16◊	19.13	20.09	20.90	21.39†	21.73†	21.93†	21.02†	....	....
5600	....	....	....	....	....	17.34◊	17.98◊	18.61◊	19.55	20.47	21.22†	21.62†	21.85†	21.76†	20.45†	....	....
5800	....	....	....	....	....	17.77◊	18.41◊	19.04◊	19.93	20.80	21.49†	21.78†	21.89†	21.50†	19.75†	....	....
6000	....	....	....	....	....	18.19◊	18.82◊	19.41◊	20.27	21.10†	21.70†	21.88†	21.85†	21.12†	....	....	....

H Belt Width Table

Belt Width Factor	.42	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32
Belt Width	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5	6	7	8
Belt Width Code	050	062	075	087	100	125	150	175	200	250	300	350	400	500	600	700	800

Shaded area indicates stock belt widths.

Δ Special non-stock sizes.

† Belt Speed exceeds 6500 FPM – consult Dodge.

◊ Pulley diameter is below recommended minimum.
A reduction in belt life should be expected. Suggest alternate drive, when ever possible.

FEATURES/BENEFITS PAGE PT10-2	SPECIFICATIONS PAGE PT10-3	SELECTION PAGE PT10-14	ENGINEERING/TECHNICAL PAGE PT10-44

DODGE

XH Basic Horsepower Ratings

RPM of Faster Shaft	HP for a 1" Wide Belt for Various Pulleys								
	18 XH 5.013 P.D.	20 XH 5.570 P.D.	22 XH 6.127 P.D.	24 XH 6.685 P.D.	26 XH 7.241 P.D.	28 XH 7.799 P.D.	30 XH 8.356 P.D.	32 XH 8.913 P.D.	40 XH 11.141 P.D.
100	0.76◊	0.84	0.93	1.01	1.11	1.18	1.26	1.34	1.68
200	1.51◊	1.68	1.85	2.02	2.19	2.36	2.52	2.69	3.37
300	2.28◊	2.52	2.78	3.03	3.28	3.54	3.78	4.03	5.02
400	3.03◊	3.37	3.70	4.03	4.37	4.70	5.02	5.36	6.66
480	3.63◊	4.03	4.43	4.82	5.22	5.62	6.00	6.40	7.95
500	3.78◊	4.20◊	4.61	5.02	5.44	5.85	6.26	6.71	8.26
510	3.86◊	4.29◊	4.71	5.12	5.54	5.97	6.37	6.80	8.42
570	4.30◊	4.77◊	5.25	5.72	6.17	6.65	7.10	7.56	9.36
600	4.53◊	5.02◊	5.52	6.00	6.50	6.98	7.47	7.95	9.82
680	5.12◊	5.68◊	6.24	6.80	7.34	7.88	8.42	8.96	11.04
700	5.27◊	5.84◊	6.42	6.98	7.54	8.10	8.66	9.21	11.35
800	6.00◊	6.66◊	7.31	7.95	8.59	9.21	9.83	10.44	12.80
870	6.52◊	7.23◊	7.92	8.61	9.29	9.97	10.63	11.29	13.79
900	6.74◊	7.46◊	8.19◊	8.90	9.59	10.29	10.97	11.64	14.18
1000	7.47◊	8.26◊	9.05◊	9.82	10.59	11.35	12.08	12.80	15.51
1100	8.19◊	9.05◊	9.91◊	10.75	11.56	12.38	13.15	13.92	16.74
1160	8.61◊	9.51◊	10.41◊	11.29	12.13	12.97	13.79	14.57	17.44
1200	....	9.83◊	10.75◊	11.64◊	12.51	13.37	14.29	14.99	17.89
1300	....	10.59◊	11.57◊	12.51◊	13.44	14.32	15.18	16.01	18.94
1400	....	11.35◊	12.37◊	13.37◊	14.32	15.25	16.14	16.98	19.87
1500	....	12.08◊	13.15◊	14.19◊	15.18	16.14	17.03	17.89	20.71
1600	....	12.80◊	13.92◊	14.99◊	16.01	16.98	17.14	18.82	21.42
1700	....	13.50◊	14.66◊	15.76◊	16.80	17.78	18.68	19.51	21.99
1750	....	13.85◊	15.03◊	16.14◊	17.17	18.16	19.06	19.87	22.22
1800	....	....	15.37◊	16.51◊	17.56◊	18.53	19.42	20.22	22.35
1900	....	....	16.07◊	17.22◊	18.65◊	19.23	20.69	20.86	22.70
2000	....	....	16.74◊	17.89◊	18.94◊	19.87	20.71	21.42	22.84
2100	....	....	17.39◊	18.53◊	19.56◊	20.48	21.25	21.88	22.81
2200	....	....	18.00◊	19.43◊	20.14◊	21.01	21.72	22.27	22.61
2300	....	....	18.58◊	19.70◊	20.67◊	21.47	22.11	22.55	22.30†
2400	....	....	19.13◊	20.22◊	21.14◊	21.88	22.42	22.75	21.65†
2500	....	....	....	20.71◊	21.57◊	22.22◊	22.64	22.84	20.89†
2600	....	....	....	21.14◊	21.94◊	22.49◊	22.80	22.82	19.92†
2800	....	....	....	21.89◊	22.49◊	22.81◊	22.81	22.47†	....
3000	....	....	....	22.42◊	22.80◊	22.81◊	22.44†	21.65†	....
3200	....	....	....	22.75◊	22.82◊	22.47†◊	21.65†	20.33†	....
3400	....	....	....	22.84◊	22.58◊	21.78†◊	20.42†	18.48†	....
3500	....	....	....	22.81◊	22.34†◊	21.29†◊	19.64†	....	....
3600	....	....	....	22.71◊	22.02†◊	20.72†◊	18.73†	....	....
3800	....	....	....	22.31†◊	21.41†◊	19.22†◊	....	....	....
4000	....	....	....	21.65†◊	19.92†◊	....	....	....	....
4200	....	....	....	20.71†◊	18.33†◊	....	....	....	....
4400	....	....	....	19.47†◊	....	....	....	....	....

XXH Basic Horsepower Ratings

RPM of Faster Shaft	HP for a 1" Wide Belt for Various Pulleys							
	18 XXH 7.162 P.D.	20 XXH 7.958 P.D.	22 XXH 8.753 P.D.	24 XXH 9.549 P.D.	26 XXH 10.345 P.D.	30 XXH 11.937 P.D.	32 XXH 13.528 P.D.	40 XXH 15.915 P.D.
100	1.33◊	1.48	1.83	1.77	1.92	2.21	2.51	2.95
200	2.66◊	2.95	3.24	3.54	3.84	4.42	5.00	5.87
300	3.98◊	4.42	4.85	5.29	5.72	6.58	7.45	8.73
400	5.29◊	5.87	8.44	7.02	7.60	8.73	9.85	11.49
480	6.33◊	7.02	7.70	8.39	9.06	10.40	11.71	13.61
500	6.63◊	7.31◊	8.02	8.73	9.43	10.81	12.17	14.13
510	6.72◊	7.45◊	8.17	8.89	9.61	11.02	12.39	14.39
570	7.50◊	8.31◊	9.11	9.90	10.68	12.23	13.73	15.89
600	7.88◊	8.73◊	9.57	10.40	11.22	12.83	14.39	16.62
680	8.89◊	9.85◊	10.78	11.71	12.62	14.39	16.09	18.49
700	9.15◊	10.13◊	11.09	12.03	12.96	14.77	16.51	18.93
800	10.40◊	11.49◊	12.56	13.62	14.64	16.62	18.49	21.02
870	10.85◊	12.43◊	13.56	14.70	15.79	17.88	19.78	22.34
900	11.69◊	12.83◊	14.00◊	15.15	16.23	18.37	20.31	22.86
1000	12.83◊	14.14◊	15.40◊	16.62	17.80	20.01	21.98	24.44
1100	14.00◊	15.40◊	16.94◊	18.00	19.26	21.50	23.45	25.70
1160	14.70◊	16.14◊	17.52◊	18.84	20.01	22.34	24.23	26.29
1200	....	16.62◊	18.03◊	19.37◊	20.62	22.88	24.71	26.62
1300	....	17.80◊	19.26◊	19.88◊	21.88	24.07	26.75	27.18
1400	....	18.93◊	20.41◊	21.79◊	23.03	26.10	26.54	27.33
1500	....	19.19◊	21.50◊	22.88◊	24.07	26.95	27.06	27.05
1600	....	21.02◊	22.52◊	23.84◊	24.98	26.62	27.32	26.33†
1700	....	21.99◊	23.45◊	24.71◊	25.75	27.07	27.27	25.11†
1750	....	22.43◊	23.88◊	25.11◊	26.08	27.22	27.12	24.31†
1800	....	22.87◊	24.29◊	26.47◊	26.38◊	27.31	26.89	23.36†
1900	....	23.69◊	25.04◊	26.11◊	26.86◊	27.31	26.18†	....
2000	....	24.44◊	25.70◊	26.62◊	27.18◊	27.08	26.11†	....
2100	....	25.11◊	26.24◊	27.00◊	27.33◊	26.56†	23.66†	....
2200	....	25.70◊	26.69◊	27.24◊	27.31◊	26.79†	....	....
2300	....	26.21◊	27.03◊	27.33◊	27.09◊	24.74†	....	....
2400	....	26.62◊	27.24◊	27.28◊	26.69†	23.36†	....	....
2500	....	29.95◊	27.33◊	27.06◊	26.07†	....	....	....
2600	....	27.18◊	27.30◊	26.69†	25.25†	....	....	....
2800	....	27.34◊	26.83◊	25.40†	22.95†	....	....	....
3000	....	27.07◊	26.79	23.36†	....	....	....	....
3200	....	....	....	....	....	....	....	....
3400	....	....	....	....	....	....	....	....
3500	....	....	....	....	....	....	....	....
3600	....	....	....	....	....	....	....	....
3800	....	....	....	....	....	....	....	....
4000	....	....	....	....	....	....	....	....
4200	....	....	....	....	....	....	....	....
4400	....	....	....	....	....	....	....	....

XH, XXH Belt Width Table

Belt Width Factor	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32	11.70	13.10	14.41	15.84	17.16	18.62
Belt Width	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5ý	6	7	8	9	10	11	12	13	14
Belt Width Code	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1100	1200	1300	1400

Shaded area indicates stock belt widths.

† Belt Speed exceeds 6500 FPM – consult Dodge.

◊ Pulley diameter is below recommended minimum.
A reduction in belt life should be expected. Suggest alternate drive, when ever possible.

Δ Stock with XXH Series only.

ENGINEERING/TECHNICAL

Dimensions, Tolerances, etc.

Warning - Do not use DYNA-SYNC Pulleys with belt speed exceeding 6500 fpm. May cause pulleys to fragment resulting in personal injury or property damage.

Concentricity and Face Run-Out Tolerances

Runout (T.I.R.◊)	O.D.	Tol.
Radial	8" & under	.005"
	For each add'l. inch of O.D. add .0005"	
Axial	1" & Under	.001"
	For each add'l. inch of O.D. thru 10" add .001"	
	For each add'l. inch of O.D. over 10" add .0005"	

◊Total Indicator Reading

Reborable Pulley Bore Tolerances

Bore Size	Tol.
15/16" & Under	.0010" - .0000"
1" to 1-15/16"	.0015" - .0000"
2" to 2-15/16"	.0020" - .0000"
3" & Over	.0025" - .0000"

Rebore Charges–Reborable pulley alteration charges are shown in MLP Price Book. TAPER-LOCK pulleys accommodate all common tolerance variations found in commercial shafting.

Balancing–All DYNA-SYNC Pulleys have been given a careful static balance for operation up to 6500 FPM. When vibration is a problem, dynamic balancing is recommended – Consult price book MLP. (See Warning above)

Special Pulleys–In 1/5 thru 1-1/4" pitches, pulleys can be made to suit customer's specifications and may be furnished in sizes not listed on previous pages. Send us your inquiry.

Standard Keyways

Bore Range	Keyway
5/16 - 7/16 Incl.	3/32 x 3/64
Over 7/16 - 9/16 Incl.	1/8 x 1/16
Over 9/16 - 7/8 Incl.	3/16 x 3/32
Over 7/8 - 1-1/4 Inc.	1/4 x 1/8
Over 1-1/4 - 1-3/8 Inc.	5/16 x 5/32
Over 1-3/8 - 1-3/4 Incl.	3/8 x 3/16
Over 1-3/4 - 2-1/4 Inc.	1/2 x 1/4
Over 2-1/4 - 2-3/4 Incl.	5/8 x 5/16
Over 2-3/4 - 3-1/4 Incl.	3/4 x 3/8

Pulley Outside Diameter/Diameter Over Belt

Pitch	Pulley O.D.	Diameter Over Belt
XL	P.D.- 0.02"	P.D.+0.08"
L	P.D.- 0.03"	P.D.+0.11"
H	P.D.- 0.054"	P.D.+0.11"
XH	P.D.- 0.11"	P.D.+0.27"
XXH	P.D.- 0.12"	. . . . .

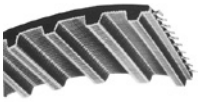
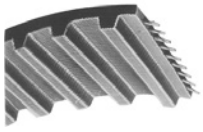
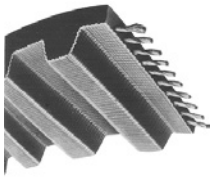
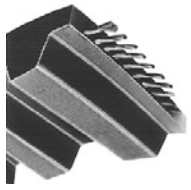
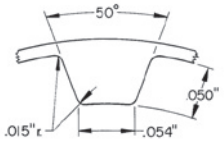
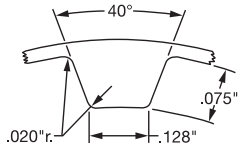
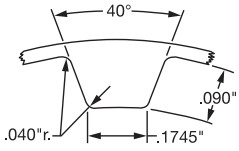
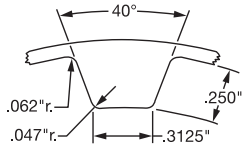
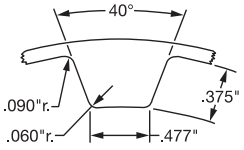
NOMENCLATURE

Pulleys

TL — Bush System
30 — No. of Teeth
H — Pitch Code
150 — Belt Width (x 100) =1.5"

Belts

900 — Belt Lgth. (x10) = 90.0"
H — Pitch Code
300 — Belt Width (x100) - 3.0"

1/5" pitch (XL)	3/8" pitch (L)	1/2" pitch (H)	7/8" pitch (XH)	1-1/4" pitch (XXH)
				
Typical uses are shown below the Tooth Dimensions Sketches				
				
Business machines, instrumentation, sound equipment	FHP applications such as home appliances, small tools, pumps, blowers.	Machine tools, pumps, fans presses, motor-generator sets.	Medium-torque applications - such as heavy industrial equipment.	High torque abolitions - such as heavy industrial equipment

Installing / Tensioning DYNA-SYNC Drives

Alignment

Use straight edge to check parallel and offset alignment. Align pulleys within 1/4° or 1/16" per foot center distance. Supporting framework must be rigid.

Pulley Flanges

At least one pulley must have flanges. If center distance is more than 8 times the diameter of the smallest pulley, both pulleys should be flanged. Vertical shaft drives may require flanges on both pulleys.

Installation

Reduce center distance so that belt can be slipped into place without forcing. Do not pry belt onto pulleys. Increase center distance to tighten belt. Belt should be snug, but not excessively tight. If belt has a tendency to "jump teeth" during operation, increase belt tension.

Idlers

Adjustable center distance is preferred over idlers to tension belt. Idlers should be positioned on the slack side of the drive. Inside idlers are preferred over outside idlers. Idler diameter should be at least as large as the smallest pulley.

TENSIONING THE DRIVE –

Simple Tensioning Procedure:

Step 1 – Calculate the value of the deflection force "f" from the following formula, referring to drawing below.

$$\text{Force of Deflection } f = \frac{T + (S/L)\,K}{16}$$

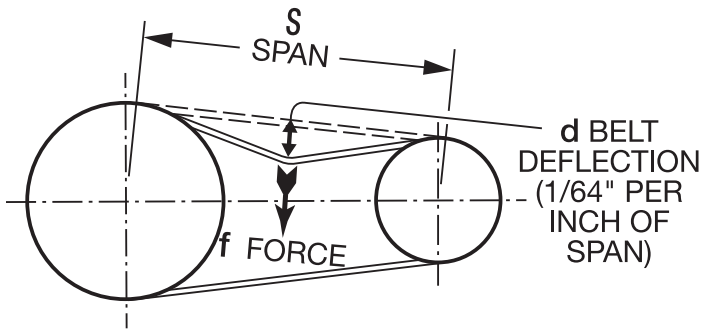
Where S = Span distance in inches

T = Tension in Lbs. from Table below

K = Constant from Table

L = Length of Belt

Step 2 – Using a straight edge as a reference, apply enough force to deflect belt 1/64" for every inch of center span. If this force is less than the calculated "f", increase center distance of pulleys. If more than "f", decrease center distance of pulleys.



Belt Deflection Force T and K Values

Belt Pitch		Values	Belt Width														
		#	1/4	3/8	1/2	5/8	3/4	1	1-1/2	2	2-1/2	3	4	5	6	8	10
XL	1/5"	T	6.7	10	15	20	24.2	34.2	...	...	...	...	...	...	...	...	...
		K	.85	1.7	2.7	3.6	4.7	6.7	...	...	...	...	...	...	...	...	...
L	3/8"	T	...	11.4	17.1	22.1	27.9	39.3	61.4	...	...	...	...	...	...	...	...
		K	...	8.5	9.9	14	17	24	37	...	...	...	...	...	...	...	...
H	1/2"	T	...	...	39.3	53.3	66	93.3	145.3	200	254	313	444	574	700	...	....
		K	...	...	17	22	32	46	71	95	125	152	210	265	320	...	...
XH	7/8"	T	...	...	...	...	...	...	...	227	288	356	504	652	795	1094	1388
		K	...	...	...	...	...	...	...	190	250	305	440	568	700	1080	1330
XXH	1-1/4"	T	...	...	...	...	...	...	...	556	707	873	1238	1599	1950	2683	3406
		K	...	...	...	...	...	...	...	310	410	500	710	920	1100	1500	

#T = Tension in Pounds; K = constant for above formula.

Allowable Working Tension (Ta) Lbs.

Belt Pitch		Belt Width																
		1/4	3/8	1/2	5/8	3/4	1	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14
XL	1/5"	8	12	18	24	29	41	...	...	...	...	...	...	...	...	...	...	....
L	3/8"	...	16	24	31	39	55	86	118	150	185	...	...	...	...	...	...	....
H	1/2"	...	...	59	80	99	140	218	300	381	470	666	861	1050	...	...	...	....
XH	7/8"	...	...	...	...	...	...	...	409	519	641	908	1175	1431	1969	2499	3022	3552
XXH	1-1/4"	...	...	...	...	...	...	...	500	636	786	1114	1439	1755	2415	3065	3706	4357

Note: These values have not been corrected for centrifugal force loss.

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FEATURES/BENEFITS

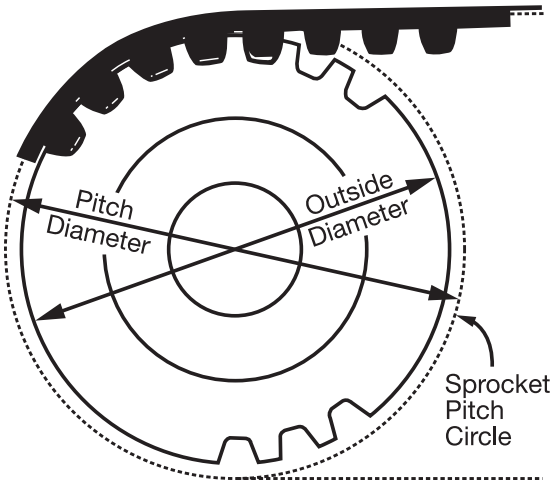
DODGE HT200 Drives

High Torque Synchronous Belt Drives

- 200% Rating of HTD
- Quieter Operation
- More Compact
- 8MM & 14MM Pitch

Plus all the benefits of standard HTD Drives:

- Positive, non-slip drive
- No lubrication required
- Non-stretch
- Corrosion resistant
- Abrasion resistant
- Virtually no backlash
- Clean operation
- Long life
- Low maintenance



THE TECHNOLOGY OF HT200 PERFORMANCE

Advanced Tooth Profile Design

- Optimizes distribution of load forces between belt and sprocket.
- Improves dynamic efficiency between sprocket and belt.
- Increases torque capacity.
- Allows more compact, narrower drive.
- Operates more quietly.

Belt Construction

- Tougher Chloroprene rubber resists tooth shear, increases load capacity.
- Strong, stretch-resistant tensile cords.
- Tough, wear-resistant nylon tooth facing keeps friction low, protects from wear.

HT200

- Compact Design
- Uses HT TAPER-LOCK Sprockets
- Competitively Priced

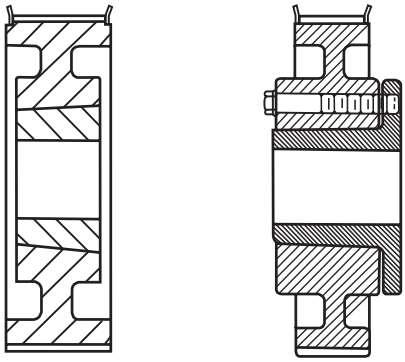
FEATURES/BENEFITS

DODGE HT200 Drives

HT TAPER-LOCK Sprockets

- Torque Rated: Shaft gripping strength to meet the higher demands of the 200% rating of HT200 Belts.
- Compatible: Accepts HT200 or standard HTD belts.
- Compact: Save shaft space with compact TAPER-LOCK design.
- Reduce Overhung Load: Compact design allows closer mounting to motor or reducer bearings. Improves bearing life, reduces maintenance costs.

TAPER-LOCK
THE Compact Synchronous Drive

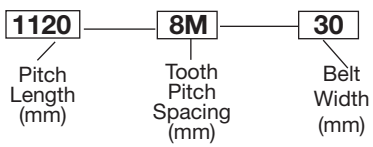


TAPER-LOCK HT

FLANGE-BUSHED SPROCKET

Compact TAPER-LOCK design takes up less shaft space than narrow width belts or products using flanged style bushing. The result is a more compact, economical synchronous drive.

BELT NOMENCLATURE

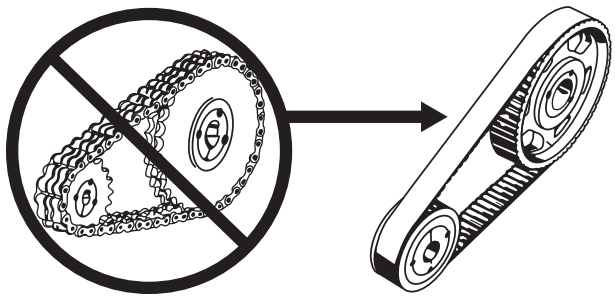


DODGE QD HTD Sprockets

- Rated for capacity of standard HTD belts.
- Compatible for standard HTD belts.
- Can run HT200 belts at HTD rating.
- Use HT200 belts for quieter operation than with HTD belts.

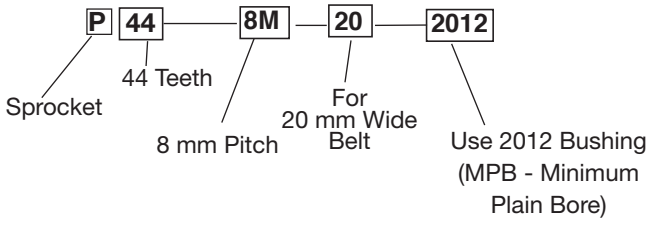
Caution: Standard QD style HTD sprockets manufactured by DODGE or by others may not have the torque capacity for the higher rated HT200 belts. HT TAPER-LOCK sprockets from DODGE are designed to handle the higher loads.

Upgrade Roller Chain Drives to DODGE HT200



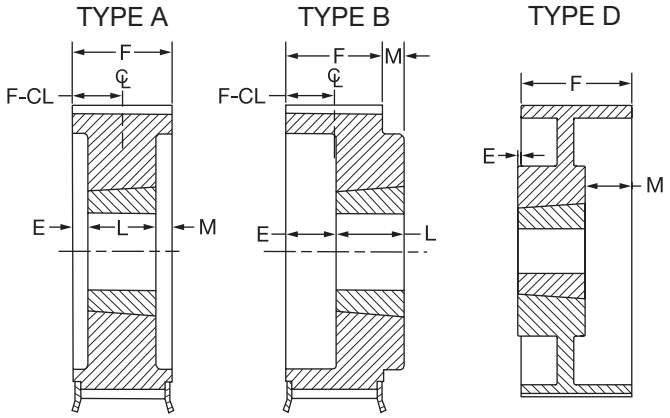
- **Clean:** No lubrication required. No messy oil drips or spills.
- **Quiet:** No metal-to-metal contact.
- **Smooth Operation:** No chordal action of chain drive that results in vibration and speed variation.
- **Economical Drive Guard:** Basic enclosed or ventilated guard will suffice. Oil seals, filler and drain plugs not required.

SPROCKET NOMENCLATURE



SPECIFICATION

HT TAPER-LOCK Sprockets



The figure following the sketch reference letter in the "Type" column, indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms) and the letter "F indicates that the sprocket has flanges.

5MM Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters		Flange	Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.			E	M	Min.	Max		
5M-15					**F = 0.89"**							
P32-5M-15-MPB	**112465**	32	2.005	1.960	2.125		0.50	0	1/2	7/8	0.8	0.0016
P34-5M-15-MPB	**112466**	34	2.130	2.085	2.375		0.50	0	1/2	1	0.9	0.0021
P36-5M-15-MPB	**114640**	36	2.256	2.211	2.375		0.50	0	1/2	1-1/8	1.1	0.0028
P36-5M-15-1108	**112467**	36	2.256	2.211	2.375	A1F	0	0	1/2	1-1/8	0.47	0.0028
P38-5M-15-1108	**112468**	38	2.381	2.336	2.613	A1F	0	0	1/2	1-1/8	0.57	0.0036
P40-5M-15-1108	**112469**	40	2.506	2.461	2.733	A1F	0	0	1/2	1-1/8	0.68	0.0047
P44-5M-15-1108	**112470**	44	2.757	2.712	3.090	A1F	0	0	1/2	1-1/8	0.91	0.0072
P48-5M-15-1210	**112471**	48	3.008	2.963	3.328	B1F	0	0.11	1/2	1-1/4	1.0	0.0105
P52-5M-15-1210	**112472**	52	3.258	3.213	3.566	B1F	0	0.11	1/2	1-1/4	1.3	0.0153
P56-5M-15-1610	**112473**	56	3.509	3.464	3.805	B1F	0	0.11	1/2	1-11/16	1.4	0.0192
P60-5M-15-1610	**112474**	60	3.760	3.715	4.044	B1F	0	0.11	1/2	1-11/16	1.7	0.0267
P64-5M-15-1610	**112475**	64	4.010	3.965	4.170	B1F	0	0.11	1/2	1-11/16	2.1	0.0353
P68-5M-15-1610	**112476**	68	4.261	4.216	4.520	B1F	0	0.11	1/2	1-11/16	2.4	0.0458
P72-5M-15-1610	**112477**	72	4.511	4.466	4.670	B1F	0	0.11	1/2	1-11/16	2.8	0.0583
P80-5M-15-1610	**112478**	80	5.013	4.968	. . .	B1	0	0.11	1/2	1-11/16	3.7	0.0906
P90-5M-15-1610	**112479**	90	5.639	5.594	. . .	B1	0	0.11	1/2	1-11/16	4.9	0.1474
P112-5M-15-2012	**112480**	112	7.018	6.973	. . .	B1	0	0.36	1/2	2-1/8	8.3	0.3750
5M-25					**F = 1.28"**							
P32-5M-25-MPB	**112481**	32	2.005	1.960	2.125		0.50	0	1/2	7/8	1.1	0.0024
P34-5M-25-MPB	**112482**	34	2.130	2.085	2.375		0.50	0	1/2	1	1.2	0.0031
P36-5M-25-1108	**112483**	36	2.256	2.211	2.375	A1F	0	0.41	1/2	1-1/8	0.65	0.0039
P38-5M-25-1108	**112484**	38	2.381	2.336	2.613	A1F	0	0.41	1/2	1-1/8	0.73	0.0048
P40-5M-25-1108	**112485**	40	2.506	2.461	2.733	A1F	0	0.41	1/2	1-1/8	0.85	0.0061
P44-5M-25-1108	**112486**	44	2.757	2.712	3.090	A1F	0	0.41	1/2	1-1/8	1.1	0.0091
P48-5M-25-1210	**112487**	48	3.008	2.963	3.328	A1F	0	0.28	1/2	1-1/4	1.2	0.0130
P52-5M-25-1210	**112488**	52	3.258	3.213	3.566	A1F	0	0.28	1/2	1-1/4	1.6	0.0185
P56-5M-25-1610	**112489**	56	3.509	3.464	3.805	A1F	0	0.28	1/2	1-11/16	1.6	0.0240
P60-5M-25-1610	**112490**	60	3.760	3.715	4.044	A1F	0	0.28	1/2	1-11/16	2.1	0.0335
P64-5M-25-1610	**112491**	64	4.010	3.965	4.170	A1F	0	0.28	1/2	1-11/16	2.4	0.0430
P68-5M-25-2012	**112492**	68	4.261	4.216	4.520	A1F	0.03	0.00	1/2	2-1/8	2.7	0.0571
P72-5M-25-2012	**112493**	72	4.511	4.466	4.670	A1F	0.03	0.00	1/2	2-1/8	3.3	0.0751
P80-5M-25-2012	**112494**	80	5.013	4.968	. . .	A1	0.03	0.00	1/2	2-1/8	4.5	0.1215
P90-5M-25-2012	**112495**	90	5.639	5.594	. . .	A1	0.03	0.00	1/2	2-1/8	6.2	0.2032
P112-5M-25-2012	**112496**	112	7.018	6.973	. . .	A1	0.03	0.00	1/2	2-1/8	10.7	0.5102

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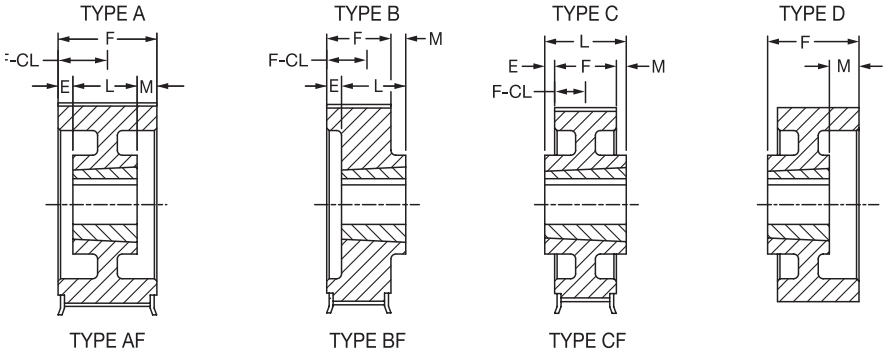
HT TAPER-LOCK Sprockets



The figure following the sketch reference letter in the "Type" column, indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms) and the letter "F indicates that the sprocket has flanges.

8MM Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	M	Min.	Max		
8M-20					**F = 1.13"**							
P22-8M-20-1108*	**112850**	22	2.206	2.152	2.559	A1F	0.00	0.26	1/2	1-1/8	0.5	0.0027
P24-8M-20-1108	**112851**	24	2.406	2.352	2.756	A1F	0.00	0.26	1/2	1-1/8	0.7	0.0044
P26-8M-20-1108	**112852**	26	2.607	2.553	2.953	A1F	0.00	0.26	1/2	1-1/8	0.9	0.0065
P28-8M-20-1108	**112853**	28	2.807	2.753	3.150	A1F	0.26	0.00	1/2	1-1/8	1.2	0.0093
P30-8M-20-1210	**112854**	30	3.008	2.954	3.346	A1F	0.13	0.00	1/2	1-1/4	1.2	0.0116
P32-8M-20-1210	**112855**	32	3.208	3.154	3.543	A1F	0.00	0.13	1/2	1-1/4	1.4	0.0157
P34-8M-20-1610	**112856**	34	3.409	3.355	3.819	A1F	0.13	0.00	1/2	1-11/16	1.4	0.0185
P36-8M-20-1610	**112857**	36	3.609	3.555	3.937	A1F	0.13	0.00	1/2	1-11/16	1.7	0.0246
P38-8M-20-1610	**112858**	38	3.810	3.756	4.134	A1F	0.13	0.00	1/2	1-11/16	2.0	0.0320
P40-8M-20-1610	**112859**	40	4.010	3.956	4.331	A1F	0.13	0.00	1/2	1-11/16	2.4	0.0406
P44-8M-20-2012	**112860**	44	4.411	4.357	4.764	B1F	0.00	0.12	1/2	2-1/8	2.7	0.0585
P48-8M-20-2012	**112861**	48	4.812	4.758	5.157	B1F	0.00	0.12	1/2	2-1/8	3.7	0.0916
P56-8M-20-2012	**112862**	56	5.614	5.560	5.945	B1F	0.00	0.12	1/2	2-1/8	5.6	0.1768
P64-8M-20-2012	**112863**	64	6.416	6.362	6.772	B1F	0.00	0.12	1/2	2-1/8	7.7	0.3075
P72-8M-20-2012	**112864**	72	7.218	7.164	7.598	B1F	0.00	0.12	1/2	2-1/8	10	0.4991
P80-8M-20-2517	**112865**	80	8.020	7.966	8.386	B1F	0.00	0.62	1/2	2-11/16	13	0.7725
P90-8M-20-2517	**112866**	90	9.023	8.969	. . .	C2	0.31	0.31	1/2	2-11/16	12	0.9037
8M-30					**F = 1.5"**							
P22-8M-30-1108*	**112867**	22	2.206	2.152	2.559	A1F	0.00	0.63	1/2	1-1/8	0.64	0.0036
P24-8M-30-1108	**112868**	24	2.406	2.352	2.756	A1F	0.00	0.63	1/2	1-1/8	0.90	0.0058
P26-8M-30-1108	**112869**	26	2.607	2.553	2.953	A1F	0.00	0.63	1/2	1-1/8	1.1	0.0082
P28-8M-30-1108	**112870**	28	2.807	2.753	3.150	A1F	0.00	0.63	1/2	1-1/8	1.5	0.0124
P30-8M-30-1210	**112871**	30	3.008	2.954	3.346	A1F	0.00	0.50	1/2	1-1/4	1.5	0.0152
P32-8M-30-1210	**112872**	32	3.208	3.154	3.543	A1F	0.00	0.50	1/2	1-1/4	1.7	0.0199
P34-8M-30-1610	**112873**	34	3.409	3.355	3.819	A1F	0.00	0.50	1/2	1-11/16	1.8	0.0241
P36-8M-30-1610	**112874**	36	3.609	3.555	3.937	A1F	0.00	0.50	1/2	1-11/16	2.2	0.0323
P38-8M-30-1610	**112875**	38	3.810	3.756	4.134	A1F	0.00	0.50	1/2	1-11/16	2.5	0.0409
P40-8M-30-2012	**112876**	40	4.010	3.956	4.331	A1F	0.00	0.25	1/2	2-1/8	2.3	0.0453
P44-8M-30-2012	**112877**	44	4.411	4.357	4.764	A1F	0.00	0.25	1/2	2-1/8	3.2	0.0712
P48-8M-30-2012	**112878**	48	4.812	4.758	5.157	A1F	0.00	0.25	1/2	2-1/8	4.2	0.1069
P56-8M-30-2012	**112879**	56	5.614	5.560	5.945	A1F	0.00	0.25	1/2	2-1/8	6.3	0.2087
P64-8M-30-2517	**112880**	64	6.416	6.362	6.772	B1F	0.00	0.25	1/2	2-11/16	9.5	0.4044
P72-8M-30-2517	**112881**	72	7.218	7.164	7.598	B1F	0.00	0.25	1/2	2-11/16	13	0.6599
P80-8M-30-2517	**112882**	80	8.020	7.966	8.386	B1F	0.00	0.25	1/2	2-11/16	16	1.019
P90-8M-30-2517	**112883**	90	9.023	8.969	. . .	C2	0.13	0.13	1/2	2-11/16	22	1.650
P112-8M-30-2517	**112884**	112	11.229	11.175	. . .	C2	0.13	0.13	1/2	2-11/16	24	1.764
P144-8M-30-2517	**112849**	114	14.437	14.383	. . .	D3	0.38	0.13	1/2	2-11/16	31	6.014

TAPER-LOCK sprockets limited to torque capacity of bushing.

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SPECIFICATION

DODGE

HT TAPER-LOCK Sprockets

8 MM Sprocket

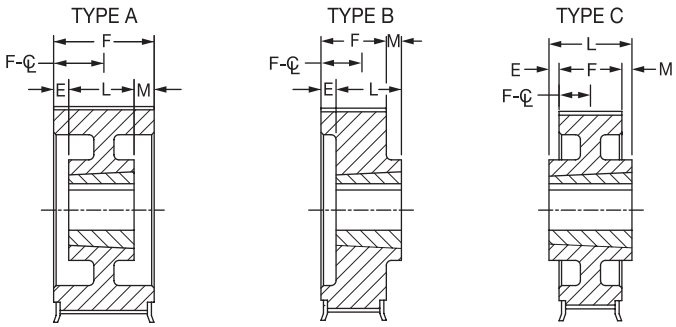
Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	M	Min.	Max		
8M-50					**F = 2.38”**							
P28-8M-50-1108*	**112885**	28	2.807	2.753	3.150	A1F	0.00	1.50	1/2	1-1/8	2.1	0.0182
P30-8M-50-1210	**112886**	30	3.008	2.954	3.346	A1F	0.00	1.38	1/2	1-1/4	2.2	0.0231
P32-8M-50-1210	**114821**	32	3.208	3.154	3.543	A1F	0.00	1.38	1/2	1-1/4	2.3	0.0281
P34-8M-50-1610	**114822**	34	3.409	3.355	3.819	A1F	0.00	1.38	1/2	1-11/16	4.0	0.0457
P36-8M-50-1610	**112889**	36	3.609	3.555	3.937	A1F	0.00	1.38	1/2	1-11/16	2.7	0.0431
P38-8M-50-1610	**112890**	38	3.810	3.756	4.134	A1F	0.00	1.38	1/2	1-11/16	3.1	0.0540
P40-8M-50-2012	**112891**	40	4.010	3.956	4.331	A1F	0.00	1.13	1/2	2-1/8	3.5	0.0685
P44-8M-50-2012	**112892**	44	4.411	4.357	4.764	A1F	0.00	1.13	1/2	2-1/8	4.3	0.0999
P48-8M-50-2012	**112893**	48	4.812	4.758	5.157	A1F	0.00	1.13	1/2	2-1/8	5.5	0.1491
P56-8M-50-2517	**112894**	56	5.614	5.560	5.945	A1F	0.00	0.63	1/2	2-11/16	8.1	0.2957
P64-8M-50-2517	**112895**	64	6.416	6.362	6.772	A1F	0.00	0.63	1/2	2-11/16	12	0.5272
P72-8M-50-2517	**112896**	72	7.218	7.164	7.598	A1F	0.00	0.63	1/2	2-11/16	16	0.8625
P80-8M-50-2517	**112897**	80	8.020	7.966	8.386	A1F	0.00	0.63	1/2	2-11/16	20	1.343
P90-8M-50-3020	**112898**	90	9.023	8.969	. . .	A1	0.00	0.38	7/8	3-1/4	27	2.277
P112-8M-50-3020	**112899**	112	11.229	11.175	. . .	A2	0.00	0.38	7/8	3-1/4	30	3.746
P144-8M-50-3020	**114833**	144	14.437	14.383	. . .	A3	0.00	0.38	7/8	3-1/4	49	8.988
P192-8M-50-3020	**112901**	192	19.249	19.195	. . .	A3	0.00	0.38	7/8	3-1/4	108	32.21
8M-85					**F = 3.75”**							
P34-8M-85-1615	**114823**	34	3.409	3.355	3.810	A1F	0.75	1.50	1/2	1-11/16	3.9	0.0547
P36-8M-85-1615	**114825**	36	3.609	3.555	4.009	A1F	0.75	1.50	1/2	1-11/16	4.4	0.0694
P40-8M-85-2012	**114828**	40	4.010	3.956	4.410	A1F	1.25	1.25	1/2	2-1/8	4.7	0.0970
P44-8M-85-2012	**114504**	44	4.411	4.357	4.764	A1F	1.25	1.25	1/2	2-1/8	5.9	0.1447
P48-8M-85-2012	**114505**	48	4.812	4.758	5.212	A1F	1.25	1.25	1/2	2-1/8	7.6	0.2146
P56-8M-85-2517	**114506**	56	5.614	5.560	6.014	A1F	0.81	1.19	1/2	2-11/16	11	0.4058
P64-8M-85-2517	**114507**	64	6.416	6.362	6.716	A1F	0.59	1.41	1/2	2-11/16	15	0.6987
P72-8M-85-3020	**114508**	72	7.218	7.164	7.500	A1F	0.88	0.88	7/8	3-1/4	18	1.121
P80-8M-85-3020	**114509**	80	8.020	7.966	8.420	A1F	0.50	1.25	7/8	3-1/4	22	1.642
P90-8M-85-3020	**114510**	90	9.023	8.969	. . .	A1	0.50	1.25	7/8	3-1/4	32	2.846
P112-8M-85-3020	**114511**	112	11.229	11.175	. . .	A2	0.50	1.25	7/8	3-1/4	33	4.621
P144-8M-85-3535	**114834**	144	14.437	14.383	. . .	A3	0.00	0.25	1-3/16	3-15/16	54	11.06
P192-8M-85-3535	**114513**	192	19.249	19.195	. . .	A3	0.13	0.13	1-3/16	3-15/16	125	39.63

14 MM Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	M	Min.	Max		
14M-40					**F = 2.13”**							
P28-14M-40-2012*	**112902**	28	4.912	4.802	5.560	A1F	0.00	0.88	1/2	2-1/8	5.9	0.1531
P29-14M-40-2012	**112903**	29	5.088	4.978	5.560	A1F	0.00	0.88	1/2	2-1/8	6.6	0.1810
P30-14M-40-2012	**112904**	30	5.263	5.153	6.125	A1F	0.00	0.88	1/2	2-1/8	6.5	0.1935
P32-14M-40-2012	**112905**	32	5.614	5.504	6.125	A1F	0.00	0.88	1/2	2-1/8	8.0	0.2651
P34-14M-40-2012	**112906**	34	5.965	5.855	6.500	A1F	0.00	0.88	1/2	2-1/8	9.4	0.3498
P36-14M-40-2517	**112907**	36	6.316	6.206	6.875	A1F	0.00	0.38	1/2	2-11/16	11	0.4443
P38-14M-40-2517	**112908**	38	6.667	6.557	7.219	A1F	0.00	0.38	1/2	2-11/16	12	0.5658
P40-14M-40-2517	**112909**	40	7.018	6.908	7.500	A1F	0.00	0.38	1/2	2-11/16	14	0.7134
P44-14M-40-2517	**112910**	44	7.720	7.610	8.343	A1F	0.00	0.38	1/2	2-11/16	18	1.046
P48-14M-40-2517	**112911**	48	8.421	8.311	8.937	A1F	0.00	0.38	1/2	2-11/16	22	1.527
P52-14M-40-2517	**112912**	52	9.123	9.013	9.687	A1F	0.00	0.38	1/2	2-11/16	26	2.126
P56-14M-40-2517	**112913**	56	9.825	9.715	10.375	A1F	0.00	0.38	1/2	2-11/16	31	2.878
P60-14M-40-3020	**112914**	60	10.527	10.417	11.062	A2F	0.00	0.13	7/8	3-1/4	29	3.177
P64-14M-40-3020	**112915**	64	11.229	11.119	11.750	A2F	0.00	0.13	7/8	3-1/4	31	3.872
P68-14M-40-3020	**112916**	68	11.930	11.820	12.500	A2F	0.00	0.13	7/8	3-1/4	31	4.446
P72-14M-40-3020	**112917**	72	12.632	12.522	13.187	A2F	0.00	0.13	7/8	3-1/4	34	5.410
P80-14M-40-3020	**114840**	80	14.036	13.926	14.625	A3F	0.00	0.13	7/8	3-1/4	34	7.474
P90-14M-40-3020	**114851**	90	15.790	15.680	. . .	A3	0.00	0.13	7/8	3-1/4	40	9.396
P112-14M-40-3020	**114470**	112	19.650	19.540	. . .	A3	0.00	0.13	7/8	3-1/4	101	29.66
P144-14M-40-3020	**114471**	144	25.264	25.154	. . .	A3	0.00	0.13	7/8	3-1/4	154	75.16
P168-14M-40-3020	**114852**	168	29.475	29.265	. . .	A3	0.00	0.13	7/8	3-1/4	133	113.3
P192-14M-40-3020	**114853**	192	33.686	33.576	. . .	A3	0.00	0.13	7/8	3-1/4	168	189.8

SPECIFICATION

HT TAPER-LOCK Sprockets



TYPE AF TYPE BF TYPE CF

The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1 = Solid, 2 = Web and 3 = Arms), and the letter "F" indicates that the sprocket has flanges.

14MM Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	M	Min.	Max		
14M-55					**F = 2.75"**							
P28-14M-55-2012	**112922**	28	4.912	4.802	5.560	A1F	0.00	1.50	1/2	2-1/8	7.4	0.1948
P29-14M-55-2012	**112923**	29	5.088	4.978	5.560	A1F	0.00	1.50	1/2	2-1/8	8.4	0.2314
P30-14M-55-2517	**114836**	30	5.263	5.153	6.125	A1F	0.00	1.00	1/2	2-11/16	7.4	0.2371
P32-14M-55-2517	**112925**	32	5.614	5.504	6.125	A1F	0.00	1.00	1/2	2-11/16	9.3	0.3276
P34-14M-55-2517	**112926**	34	5.965	5.855	6.500	A1F	0.00	1.00	1/2	2-11/16	11	0.4379
P36-14M-55-2517	**112927**	36	6.316	6.206	6.875	A1F	0.00	1.00	1/2	2-11/16	12	0.5400
P38-14M-55-2517	**112928**	38	6.667	6.557	7.219	A1F	0.00	1.00	1/2	2-11/16	14	0.6868
P40-14M-55-2517	**112929**	40	7.018	6.908	7.500	A1F	0.00	1.00	1/2	2-11/16	17	0.8719
P44-14M-55-2517	**112930**	44	7.720	7.610	8.343	A1F	0.00	1.00	1/2	2-11/16	20	1.234
P48-14M-55-3020	**112931**	48	8.421	8.311	8.937	A1F	0.00	0.75	7/8	3-1/4	24	1.840
P52-14M-55-3020	**112932**	52	9.123	9.013	9.687	A1F	0.00	0.75	7/8	3-1/4	30	2.573
P56-14M-55-3020	**112933**	56	9.825	9.715	10.375	A1F	0.00	0.75	7/8	3-1/4	35	3.489
P60-14M-55-3020	**112934**	60	10.527	10.417	11.062	A1F	0.00	0.75	7/8	3-1/4	42	4.647
P64-14M-55-3020	**112935**	64	11.229	11.119	11.750	A1F	0.00	0.75	7/8	3-1/4	48	6.012
P68-14M-55-3020	**112936**	68	11.930	11.820	12.500	A2F	0.00	0.75	7/8	3-1/4	40	5.909
P72-14M-55-3020	**112937**	72	12.632	12.522	13.187	A2F	0.00	0.75	7/8	3-1/4	45	7.387
P80-14M-55-3020	**114841**	80	14.036	13.926	14.625	A3F	0.00	0.75	7/8	3-1/4	42	9.021
P90-14M-55-3020	**114859**	90	15.790	15.680	. . .	A3	0.00	0.75	7/8	3-1/4	45	12.36
P112-14M-55-3020	**114472**	112	19.650	19.540	. . .	A3	0.00	0.75	7/8	3-1/4	117	36.86
P144-14M-55-3020	**114854**	144	25.264	25.154	. . .	A3	0.00	0.75	7/8	3-1/4	98	65.38
P168-14M-55-3020	**114860**	168	29.475	29.265	. . .	A3	0.19	0.56	7/8	3-1/4	146	150.2
P192-14M-55-3535	**114755**	192	33.686	33.576	. . .	C3	0.00	0.75	1-3/16	3-15/16	432	404.3
14M-85					**F = 4"**							
P28-14M-85-2012*	**112944**	28	4.912	4.802	5.560	A1F	1.31	1.44	1/2	2-1/8	10	0.2787
P29-14M-85-2012*	**112945**	29	5.088	4.978	5.560	A1F	1.31	1.44	1/2	2-1/8	12	0.3321
P30-14M-85-2517	**114837**	30	5.263	5.153	6.125	A1F	0.50	1.75	1/2	2-11/16	10	0.3326
P32-14M-85-2517	**112947**	32	5.614	5.504	6.125	A1F	0.81	1.44	1/2	2-11/16	13	0.4590
P34-14M-85-2517	**112948**	34	5.965	5.855	6.500	A1F	0.81	1.44	1/2	2-11/16	15	0.6143
P36-14M-85-3020	**112949**	36	6.316	6.206	6.875	A1F	0.53	1.47	7/8	3-1/4	14	0.6948
P38-14M-85-3020	**112950**	38	6.667	6.557	7.219	A1F	0.53	1.47	7/8	3-1/4	17	0.8975
P40-14M-85-3020	**112951**	40	7.018	6.908	7.500	A1F	0.53	1.47	7/8	3-1/4	20	1.161
P44-14M-85-3020	**112952**	44	7.720	7.610	8.343	A1F	0.53	1.47	7/8	3-1/4	24	1.615
P48-14M-85-3020	**112953**	48	8.421	8.311	8.937	A1F	0.53	1.47	7/8	3-1/4	31	2.432
P52-14M-85-3535	**112954**	52	9.123	9.013	9.687	A1F	0.00	0.50	1-3/16	3-15/16	37	3.356
P56-14M-85-3535	**112955**	56	9.825	9.715	10.375	A1F	0.00	0.50	1-3/16	3-15/16	52	5.300
P60-14M-85-3535	**112956**	60	10.527	10.417	11.062	A1F	0.00	0.50	1-3/16	3-15/16	63	7.128
P64-14M-85-3535	**112957**	64	11.229	11.119	11.750	A1F	0.00	0.50	1-3/16	3-15/16	74	9.334
P68-14M-85-3535	**112958**	68	11.930	11.820	12.500	A2F	0.00	0.50	1-3/16	3-15/16	63	9.169
P72-14M-85-3535	**112959**	72	12.632	12.522	13.187	A1F	0.00	0.50	1-3/16	3-15/16	97	15.19
P80-14M-85-3535	**112960**	80	14.036	13.926	14.625	A2F	0.00	0.50	1-3/16	3-15/16	63	13.04
P90-14M-85-3535	**114474**	90	15.790	15.680	. . .	A2	0.00	0.50	1-3/16	3-15/16	72	18.14
P112-14M-85-3535	**114844**	112	19.650	19.540	. . .	A3	0.00	0.50	1-3/16	3-15/16	131	44.18
P144-14M-85-4040	**114855**	144	25.264	25.154	. . .	A3	0.00	0.00	1-7/16	4-7/16	137	92.10
P168-14M-85-4040	**114489**	168	29.475	29.265	. . .	A3	0.00	0.00	1-7/16	4-7/16	192	194.5
P192-14M-85-4040	**114850**	192	33.686	33.576	. . .	A3	0.00	0.00	1-7/16	4-7/16	448	444.6

TAPER-LOCK Sprockets limited to torque capacity of bushing.

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SPECIFICATION

HT TAPER-LOCK Sprockets

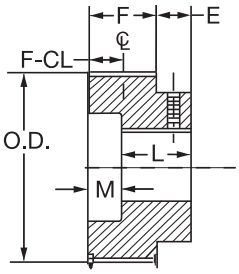
14MM Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	M	Min.	Max		
14M-115					**F = 5.25”**							
P30-14M-115-2517	**114838**	30	5.263	5.153	5.763	A1F	1.75	1.75	1/2	2-11/16	13	0.4386
P32-14M-115-2517	**114517**	32	5.614	5.504	6.114	A1F	1.75	1.75	1/2	2-11/16	16	0.5873
P34-14M-115-2517	**114518**	34	5.965	5.855	6.465	A1F	1.75	1.75	1/2	2-11/16	19	0.7908
P36-14M-115-3020	**114519**	36	6.316	6.206	6.816	A1F	1.63	1.63	7/8	3-1/4	18	0.8766
P38-14M-115-3020	**114494**	38	6.667	6.557	7.167	A1F	1.63	1.63	7/8	3-1/4	20	1.100
P40-14M-115-3020	**114475**	40	7.018	6.908	7.518	A1F	1.63	1.63	7/8	3-1/4	23	1.357
P44-14M-115-3535	**114522**	44	7.720	7.610	8.395	A1F	0.88	0.88	1-3/16	3-15/16	30	2.144
P48-14M-115-3535	**114523**	48	8.421	8.311	8.941	A1F	0.88	0.88	1-3/16	3-15/16	40	3.277
P52-14M-115-4040	**114524**	52	9.123	9.013	9.687	A1F	0.63	0.63	1-7/16	4-7/16	47	4.545
P56-14M-115-4040	**114525**	56	9.825	9.715	10.355	A1F	0.63	0.63	1-7/16	4-7/16	58	6.335
P60-14M-115-4040	**114526**	60	10.527	10.417	11.067	A1F	0.63	0.63	1-7/16	4-7/16	70	8.589
P64-14M-115-4545	**114527**	64	11.229	11.119	11.750	A1F	0.38	0.38	1-15/16	4-15/16	82	11.47
P68-14M-115-4545	**114528**	68	11.930	11.820	12.500	A1F	0.38	0.38	1-15/16	4-15/16	97	14.91
P72-14M-115-4545	**114529**	72	12.632	12.522	13.066	A1F	0.00	0.75	1-15/16	4-15/16	113	19.06
P80-14M-115-4545	**114530**	80	14.036	13.926	14.620	A2F	0.38	0.38	1-15/16	4-15/16	148	29.66
P90-14M-115-4545	**114476**	90	15.790	15.680	. . .	A2	0.38	0.38	1-15/16	4-15/16	117	28.30
P112-14M-115-4545	**114477**	112	19.650	19.540	. . .	A2	0.00	0.75	1-15/16	4-15/16	173	64.72
P144-14M-115-4545	**114856**	144	25.264	25.154	. . .	A3	0.38	0.38	1-15/16	4-15/16	120	172.2
P168-14M-115-4545	**114848**	168	29.475	29.265	. . .	A3	0.38	0.38	1-15/16	4-15/16	223	243.3
P192-14M-115-4545	**114482**	192	33.686	33.576	. . .	A3	0.38	0.38	1-15/16	4-15/16	475	496.5
P216-14M-115-6050	**114857**	216	37.896	37.786	. . .	A3	0.00	0.25	4-7/16	6	686	378.0
14M-170					**F = 7.38”**							
P40-14M-170-3535*	**114539**	40	7.018	6.908	7.518	A1F	1.94	1.94	1-3/16	3-15/16	29	1.780
P44-14M-170-3535	**114540**	44	7.720	7.610	8.395	A1F	1.94	1.94	1-3/16	3-15/16	39	2.828
P48-14M-170-3535	**114541**	48	8.421	8.311	8.941	A1F	1.94	1.94	1-3/16	3-15/16	51	4.283
P52-14M-170-4040	**114542**	52	9.123	9.013	9.687	A1F	1.13	2.25	1-7/16	4-7/16	59	5.877
P56-14M-170-4040	**114543**	56	9.825	9.715	10.355	A1F	1.13	2.25	1-7/16	4-7/16	71	8.051
P60-14M-170-4545	**114544**	60	10.527	10.417	11.067	A1F	0.75	2.13	1-15/16	4-15/16	83	10.85
P64-14M-170-4545	**114545**	64	11.229	11.119	11.750	A1F	0.63	2.25	1-15/16	4-15/16	94	13.71
P68-14M-170-4545	**114546**	68	11.930	11.820	12.500	A1F	0.63	2.25	1-15/16	4-15/16	113	18.15
P72-14M-170-4545	**114547**	72	12.632	12.522	13.066	A1F	0.63	2.25	1-15/16	4-15/16	130	23.00
P80-14M-170-4545	**114548**	80	14.036	13.926	14.625	A1F	1.03	1.84	1-15/16	4-15/16	166	35.12
P90-14M-170-4545	**114478**	90	15.790	15.680	. . .	A2	0.63	2.25	1-15/16	4-15/16	159	42.03
P112-14M-170-4545	**114479**	112	19.650	19.540	. . .	D2	0.25	3.12	1-15/16	4-15/16	215	81.30
P144-14M-170-6050	**114858**	144	25.264	25.154	. . .	A3	1.19	1.19	4-7/16	6	264	207.9
P168-14M-170-6050	**114499**	168	29.475	29.265	. . .	A3	1.19	1.19	4-7/16	6	462	384.2
P192-14M-170-6050	**117846**	192	33.686	33.576	. . .	A3	1.19	1.19	4-7/16	6	616	655.7
P216-14M-170-6050	**117848**	216	37.896	37.786	. . .	A2	1.19	1.19	4-7/16	6	563	851.7

DODGE

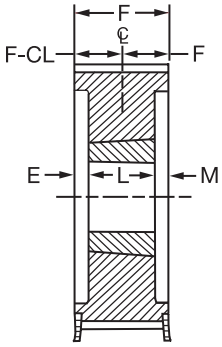
HT Sprockets

TYPE 6



TYPE 6F

TYPE A



TYPE AF

Plain Bore HT Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Dimensions (Inches)			Bore Range		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			Pitch	O.D.	Flange	E	L	M	Min.	Max		
			8 MM	**Pitch**							**Type 6F**	
P22-8M-20-MPB	**110700**	22	2.206	2.152	2.606	0.60	1.80	0.00	1/2	1-3/16	1.3	0.0048
P22-8M-30-MPB	**110720**	22	2.206	2.152	2.606	0.60	2.10	0.00	1/2	1-3/16	1.6	0.0060
P24-8M-30-MPB	**110721**	24	2.406	2.352	2.756	0.60	2.10	0.00	1/2	1-1/4	1.9	0.0061
P26-8M-30-MPB	**110722**	26	2.607	2.553	2.906	0.80	2.30	0.00	1/2	1-1/4	2.4	0.0087
P28-8M-50-MPB	**114484**	28	2.807	2.753	3.207	0.60	2.50	0.50	1/2	1-1/2	3.7	0.0240
P30-8M-50-MPB	**110741**	30	3.008	2.954	3.346	0.60	2.50	0.50	1/2	1-1/2	4.3	0.0319
P38-8M-85-MPB	**114827**	38	3.810	3.756	4.201	0.60	3.30	1.10	1/2	1-7/8	9.7	0.1204
			14 MM	**Pitch**							**Type 6F**	
P28-14M-85-MPB	**110830**	28	4.912	4.802	5.562	1.00	4.00	1.00	1-1/4	2-11/16	17	0.3128
P29-14M-85-MPB	**110831**	29	5.088	4.978	5.562	1.00	4.00	1.00	1-1/4	2-11/16	19	0.3654
P28-14M-115-MPB	**110855**	28	4.912	4.802	5.562	1.30	5.00	1.50	1-1/4	2-11/16	22	0.4077
P29-14M-115-MPB	**110856**	29	5.088	4.978	5.562	1.30	5.00	1.50	1-1/4	2-11/16	24	0.4768
P36-14M-170-MPB	**110880**	36	6.316	6.206	6.816	1.30	6.00	2.60	1-1/2	3-3/8	47	1.593
P38-14M-170-MPB	**110881**	38	6.667	6.557	7.167	1.30	6.00	2.60	1-1/2	3-3/8	54	1.987
P40-14M-170-MPB	**110882**	40	7.018	6.908	7.518	1.30	6.00	2.60	1-1/2	3-3/4	60	2.479

Fin-Fan Sprockets For Cooling Tower Drives

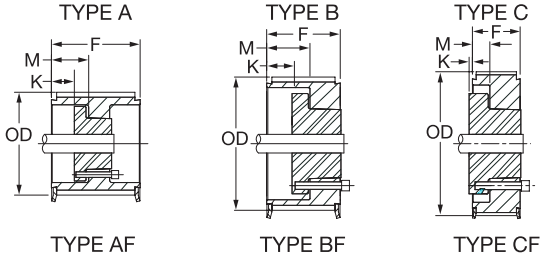
TAPER-LOCK			**14 MM**	**Pitch**							**Type A**	
P168-14M-40-3020	**114852**	168	29.475	29.265	. . .	0.00	2.00	0.10	7/8	3-1/4	133	113.3
P192-14M-40-3020	**114853**	192	33.686	33.576	. . .	0.00	2.00	0.10	7/8	3-1/4	168	189.8
P168-14M-55-3020	**114860**	168	29.475	29.265	. . .	0.00	2.00	0.80	7/8	3-1/4	146	150.2
F192-14M-55-3020	**114993**	192	33.686	33.576	. . .	0.00	2.00	0.80	7/8	3-1/4	162	170.9
F216-14M-55-3020	**114994**	216	37.896	37.786	. . .	0.00	2.00	0.80	7/8	3-1/4	195	254.6
QD			**14 MM**	**Pitch**							**Type A**	
F168-14M-55-E	**114375**	168	29.475	29.265	. . .	0.60	1.60	0.60	7/8	3-1/2	151.7	102.6
F192-14M-55-E	**114376**	192	33.686	33.576	. . .	0.60	1.60	0.60	7/8	3-1/2	127.8	143.5
F144-14M-85-E	**114377**	144	25.262	25.154	. . .	0.60	1.60	1.20	7/8	3-1/2	140.3	77.97
F168-14M-85-E	**114378**	168	29.475	29.265	. . .	0.00	1.60	1.20	7/8	3-1/2	175.1	129.5
F192-14M-85-E	**114379**	192	33.686	33.576	. . .	0.00	1.60	1.20	7/8	3-1/2	183.0	210.5
F216-14M-85-E	**114380**	216	37.896	37.786	. . .	0.00	1.60	1.20	7/8	3-1/2	218.1	288.9

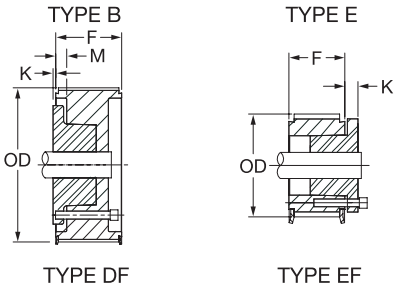
V-Drives
FHP Drives
Drive Component Accessories
DYNA-SYNC
HT200/HTD Synchronous Drives
HT500 Synchronous Drives
Roller Chain Sprockets

SPECIFICATION

QD HTD Sprockets

The figure following the sketch reference letter in the “Type” column indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms), and the letter ”F” indicates that the sprocket has flanges.

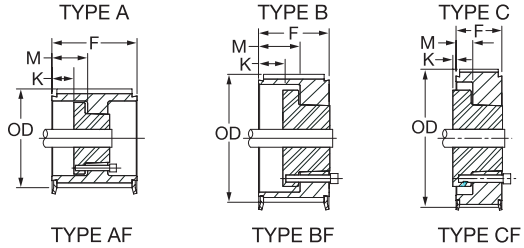


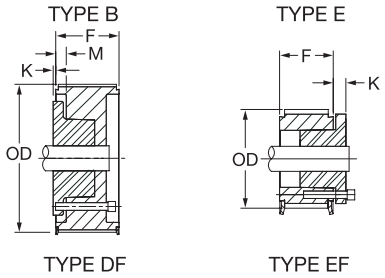


5MM QD HTD Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		M	K	Min.	Max		
5M-15					**F=0.89”**							
P38-5M-15-JA	**114641**	38	2.381	2.336	2.613	E1F	0.00	0.51	1/2	1-1/4	0.6	0.0030
P40-5M-15-JA	**114642**	40	2.506	2.461	2.733	E1F	0.00	0.51	1/2	1-1/4	0.7	0.0039
P44-5M-15-JA	**114643**	44	2.757	2.712	3.090	E1F	0.00	0.51	1/2	1-1/4	0.9	0.0061
P48-5M-15-JA	**114644**	48	3.008	2.963	3.328	D1F	0.31	0.20	1/2	1-1/4	0.9	0.0076
P52-5M-15-JA	**114645**	52	3.258	3.213	3.566	D1F	0.31	0.20	1/2	1-1/4	1.1	0.0106
P56-5M-15-SH	**114646**	56	3.509	3.464	3.805	E1F	0.00	0.68	1/2	1-11/16	1.5	0.0169
P60-5M-15-SH	**114647**	60	3.760	3.715	4.044	E1F	0.00	0.68	1/2	1-11/16	1.8	0.0233
P64-5M-15-SH	**114648**	64	4.010	3.965	4.170	E1F	0.00	0.68	1/2	1-11/16	2.1	0.0312
P68-5M-15-SDS	**114649**	68	4.261	4.216	4.520	D1F	0.14	0.56	1/2	2	2.1	0.0369
P72-5M-15-SDS	**114650**	72	4.511	4.466	4.670	D1F	0.14	0.56	1/2	2	2.4	0.0463
P80-5M-15-SDS	**114651**	80	5.013	4.968	. . .	C1	0.14	0.56	1/2	2	3.1	0.0732
P90-5M-15-SDS	**114652**	90	5.639	5.594	. . .	C1	0.14	0.56	1/2	2	4.1	0.1204
P112-5M-15-SDS	**114653**	112	7.018	6.973	. . .	C1	0.14	0.56	1/2	2	6.9	0.3033
5M-25					**F=1.28”**							
P38-5M-25-JA	**114655**	38	2.381	2.336	2.613	E1F	0.00	0.51	1/2	1-1/4	0.9	0.0043
P40-5M-25-JA	**114656**	40	2.506	2.461	2.733	E1F	0.00	0.51	1/2	1-1/4	1.0	0.0056
P44-5M-25-JA	**114657**	44	2.757	2.712	3.090	E1F	0.00	0.51	1/2	1-1/4	1.3	0.0088
P48-5M-25-JA	**114658**	48	3.008	2.963	3.328	B1F	0.72	0.21	1/2	1-1/4	1.1	0.0097
P52-5M-25-JA	**114659**	52	3.258	3.213	3.566	B1F	0.72	0.21	1/2	1-1/4	1.3	0.0133
P56-5M-25-SH	**114660**	56	3.509	3.464	3.805	C1F	0.47	0.21	1/2	1-11/16	1.7	0.0206
P60-5M-25-SH	**114661**	60	3.760	3.715	4.044	C1F	0.47	0.21	1/2	1-11/16	2.1	0.0285
P64-5M-25-SH	**114662**	64	4.010	3.965	4.170	C1F	0.47	0.21	1/2	1-11/16	2.4	0.0379
P68-5M-25-SDS	**114663**	68	4.261	4.216	4.520	C1F	0.53	0.17	1/2	2	2.6	0.0479
P72-5M-25-SDS	**114664**	72	4.511	4.466	4.670	C1F	0.53	0.17	1/2	2	2.8	0.0564
P80-5M-25-SDS	**114665**	80	5.013	4.968	. . .	C1	0.53	0.17	1/2	2	3.6	0.0875
P90-5M-25-SDS	**114666**	90	5.639	5.594	. . .	C1	0.53	0.17	1/2	2	4.7	0.1414
P112-5M-25-SDS	**114667**	112	7.018	6.973	. . .	C1	0.53	0.17	1/2	2	7.7	0.3595

QD HTD Sprockets





The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms), and the letter "F" indicates that the sprocket has flanges.

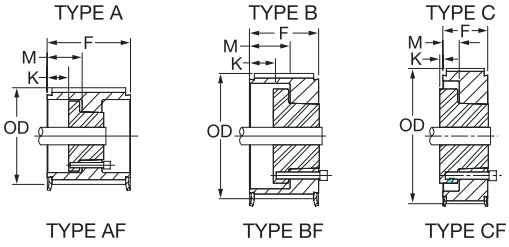
8MM QD HTD Sprockets

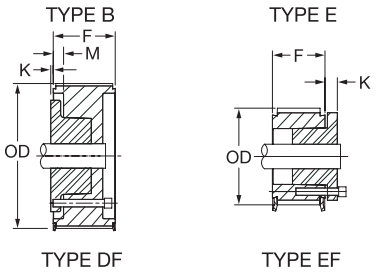
Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		M	K	Min.	Max		
8M-20						**F = 1.125"**						
P24-8M-20-JA	**110701**	24	2.406	2.352	2.756	E1F	0.00	0.51	1/2	1-1/4	0.8	0.0039
P26-8M-20-JA	**110702**	26	2.607	2.553	2.906	E1F	0.00	0.51	1/2	1-1/4	1.0	0.0059
P28-8M-20-QT	**110703**	28	2.807	2.759	3.207	E1F	0.00	1.42	3/8	1-1/2	1.1	0.0078
P30-8M-20-QT	**110704**	30	3.008	2.958	3.408	E1F	0.00	1.42	3/8	1-1/2	1.3	0.0110
P32-8M-20-QT	**110705**	32	3.208	3.156	3.608	E1F	0.00	1.42	3/8	1-1/2	1.6	0.0148
P34-8M-20-SH	**110706**	34	3.409	3.355	3.810	E1F	0.00	0.68	1/2	1-11/16	1.6	0.0181
P36-8M-20-SH	**110707**	36	3.609	3.555	4.009	C1F	0.31	0.37	1/2	1-11/16	1.7	0.0213
P38-8M-20-SH	**110708**	38	3.810	3.756	4.210	C1F	0.31	0.37	1/2	2	2.0	0.0272
P40-8M-20-SH	**110709**	40	4.010	3.956	4.410	C1F	0.31	0.37	1/2	2	2.3	0.0353
P44-8M-20-SDS	**110710**	44	4.411	4.357	4.764	C1F	0.38	0.32	1/2	2	2.6	0.0490
P48-8M-20-SDS	**110711**	48	4.812	4.758	5.212	C1F	0.38	0.32	1/2	2	3.4	0.0771
P56-8M-20-SDS	**110712**	56	5.614	5.560	6.014	C1F	0.38	0.32	1/2	2	4.6	0.1370
P64-8M-20-SDS	**110713**	64	6.416	6.362	6.716	C1F	0.38	0.32	1/2	2	6.8	0.2639
P72-8M-20-SDS	**110714**	72	7.218	7.164	7.500	C1F	0.38	0.32	1/2	2	8.8	0.4298
P80-8M-20-SDS	**110715**	80	8.020	7.966	8.420	C1F	0.38	0.32	1/2	2	11	0.6433
P90-8M-20-SDS	**110716**	90	9.023	8.969	. . .	C2	0.38	0.32	1/2	2	12	0.9369
8M-30						**F = 1.5"**						
P28-8M-30-QT	**110723**	28	2.807	2.759	3.207	E1F	0.00	0.37	1/2	1-1/2	1.4	0.0104
P30-8M-30-QT	**110724**	30	3.008	2.958	3.408	E1F	0.00	0.37	3/8	1-1/2	1.8	0.0146
P32-8M-30-QT	**110725**	32	3.208	3.156	3.608	E1F	0.00	0.37	3/8	1-1/2	2.1	0.0197
P34-8M-30-SH	**110726**	34	3.409	3.355	3.810	B1F	0.69	0.01	1/2	1-11/16	1.6	0.0186
P36-8M-30-SH	**110727**	36	3.609	3.555	4.009	B1F	0.69	0.01	1/2	1-11/16	2.0	0.0259
P38-8M-30-SH	**110728**	38	3.810	3.756	4.210	B1F	0.69	0.01	1/2	1-11/16	2.3	0.0328
P40-8M-30-SH	**110729**	40	4.010	3.956	4.410	B1F	0.69	0.01	1/2	1-11/16	2.8	0.0435
P44-8M-30-SDS	**110730**	44	4.411	4.357	4.764	B1F	0.75	0.05	1/2	2	3.0	0.0595
P48-8M-30-SDS	**110731**	48	4.812	4.758	5.212	B1F	0.75	0.05	1/2	2	3.8	0.0880
P56-8M-30-SDS	**110732**	56	5.614	5.560	6.014	B1F	0.75	0.05	1/2	2	5.2	0.1633
P64-8M-30-SK	**110733**	64	6.416	6.362	6.716	C1F	0.25	0.64	1/2	2-5/8	8.6	0.3421
P72-8M-30-SK	**110734**	72	7.218	7.164	7.500	C1F	0.25	0.64	1/2	2-5/8	12	0.5710
P80-8M-30-SK	**110735**	80	8.020	7.966	8.420	C2	0.25	0.64	1/2	2-5/8	11	0.6487
P90-8M-30-SK	**110736**	90	9.023	8.969	. . .	C2	0.25	0.64	1/2	2-5/8	16	1.2862
P112-8M-30-SK	**110737**	112	11.229	11.175	. . .	C2	0.25	0.64	1/2	2-5/8	22	2.703

FEATURES/BENEFITS PAGE PT11-2 | SELECTION PAGE PT11-19 | ENGINEERING/TECHNICAL PAGE PT11-64

SPECIFICATION

QD HTD Sprockets





The figure following the sketch reference letter in the “Type” column indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms), and the letter ”F” indicates that the sprocket has flanges.

8MM QD HTD Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		M	K	Min.	Max		
8M-50					**F = 2.38”**							
P28-8M-50-JA	**110738**	28	2.807	2.759	3.207	A1F	0.81	0.30	1/2	1-1/4	1.7	0.0127
P30-8M-50-JA	**110739**	30	3.008	2.958	3.408	A1F	0.81	0.30	1/2	1-1/4	1.9	0.0172
P32-8M-50-QT	**110742**	32	3.208	3.156	3.608	A1F	0.81	0.30	3/8	1-1/2	2.1	0.0214
P34-8M-50-SH	**110743**	34	3.409	3.355	3.810	D1F	0.50	0.18	1/2	1-11/16	2.2	0.0263
P36-8M-50-SH	**110744**	36	3.609	3.555	4.009	D1F	0.50	0.18	1/2	1-11/16	2.8	0.0367
P38-8M-50-SH	**110745**	38	3.810	3.756	4.210	D1F	0.50	0.18	1/2	1-11/16	3.1	0.0462
P40-8M-50-SH	**110746**	40	4.010	3.956	4.410	D1F	0.50	0.18	1/2	1-11/16	3.9	0.0632
P44-8M-50-SD	**110747**	44	4.411	4.357	4.764	D1F	0.56	1.74	1/2	2	5.5	0.1068
P48-8M-50-SD	**110748**	48	4.812	4.758	5.212	D1F	0.56	1.74	1/2	2	7.2	0.1644
P56-8M-50-SK	**110749**	56	5.614	5.560	6.014	D1F	0.56	0.33	1/2	2-15/16	11	0.3314
P64-8M-50-SK	**110750**	64	6.416	6.362	6.716	D1F	0.56	0.33	1/2	2-15/16	10	0.4400
P72-8M-50-SK	**110751**	72	7.218	7.164	7.500	D1F	0.56	0.33	1/2	2-15/16	16	0.8488
P80-8M-50-SF	**110752**	80	8.020	7.966	8.420	D1F	0.56	0.38	1/2	2-15/16	20	1.335
P90-8M-50-SF	**110753**	90	9.023	8.969	. . .	D1	0.56	0.38	1/2	2-15/16	25	2.102c
P112-8M-50-SF	**110754**	112	11.229	11.175	. . .	D2	0.75	0.19	1/2	2-15/16	32	4.152
P144-8M-50-E	**110755**	144	14.437	14.383	. . .	D3	0.38	0.82	7/8	3-1/2	45	9.391
P192-8M-50-E	**110756**	192	19.249	19.195	. . .	D3	0.38	0.82	7/8	3-1/2	65	20.42
8M-85					**F = 3.75”**							
P34-8M-85-SH	**110760**	34	3.409	3.355	3.810	A1F	1.50	0.82	1/2	1-11/16	3.1	0.0376
P36-8M-85-SH	**110761**	36	3.609	3.555	4.009	A1F	1.50	0.82	1/2	1-11/16	3.9	0.0535
P38-8M-85-SH	**110762**	38	3.810	3.756	4.210	A1F	1.50	0.82	1/2	1-11/16	4.4	0.0671
P40-8M-85-SD	**110763**	40	4.010	3.956	4.410	A1F	1.25	0.55	1/2	2	4.9	0.0836
P44-8M-85-SD	**110764**	44	4.411	4.357	4.764	A1F	1.25	0.55	1/2	2	7.8	0.1589
P48-8M-85-SD	**110765**	48	4.812	4.758	5.212	A1F	1.25	0.55	1/2	2	11	0.2496
P56-8M-85-SK	**110766**	56	5.614	5.560	6.014	A1F	1.25	0.36	1/2	2-5/8	12	0.4191
P64-8M-85-SK	**110767**	64	6.42	6.362	6.716	A1F	1.25	0.36	1/2	2-5/8	17	0.7664
P72-8M-85-SF	**110768**	72	7.218	7.164	7.500	A1F	1.25	0.31	1/2	2-15/16	19	1.114
P80-8M-85-SF	**110769**	80	8.020	7.966	8.420	A1F	1.25	0.31	1/2	2-15/16	29	1.982
P90-8M-85-SF	**110770**	90	9.023	8.969	. . .	A1	1.25	0.31	1/2	2-15/16	26	2.253
P112-8M-85-SF	**110771**	112	11.229	11.175	. . .	A2	1.25	0.31	1/2	2-15/16	38	5.286
P144-8M-85-E	**110772**	144	14.437	14.383	. . .	D3	1.06	0.14	7/8	3-1/2	61	14.031
P192-8M-85-E	**110773**	192	19.249	19.195	. . .	D3	1.06	0.14	7/8	3-1/2	76	26.80

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14MM QD HTD Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		M	K	Min.	Max		
14M-40					**F = 2.13"**							
P28-14M-40-SK	**110780**	28	4.912	4.808	5.562	E1F	0.00	0.89	0.5	2-5/8	5.8	0.1301
P29-14M-40-SK	**110781**	29	5.088	4.983	5.562	E1F	0.00	0.89	0.5	2-5/8	6.5	0.1561
P30-14M-40-SK	**110782**	30	5.263	5.157	5.763	D1F	0.44	0.45	0.5	2-5/8	6.2	0.1629
P32-14M-40-SK	**110783**	32	5.614	5.507	6.114	D1F	0.44	0.45	0.5	2-5/8	7.8	0.2310
P34-14M-40-SK	**110784**	34	5.965	5.858	6.465	D1F	0.44	0.45	0.5	2-5/8	9.4	0.3113
P36-14M-40-SF	**110785**	36	6.316	6.208	6.816	D1F	0.44	0.50	0.5	2-15/16	9.6	0.3693
P38-14M-40-SF	**110786**	38	6.667	6.559	7.167	D1F	0.44	0.50	0.5	2-15/16	12	0.5080
P40-14M-40-SF	**110787**	40	7.018	6.909	7.518	D1F	0.44	0.50	0.5	2-15/16	13	0.6096
P44-14M-40-E	**110788**	44	7.720	7.610	8.395	D1F	0.38	0.82	0.875	3-1/2	16	0.9305
P48-14M-40-E	**110789**	48	8.421	8.311	8.941	D1F	0.38	0.82	0.875	3-1/2	20	1.360
P52-14M-40-E	**110790**	52	9.123	9.013	9.687	D1F	0.25	0.95	0.875	3-1/2	25	1.991
P56-14M-40-E	**110791**	56	9.825	9.715	10.355	D1F	0.25	0.95	0.875	3-1/2	29	2.583
P60-14M-40-E	**110792**	60	10.527	10.417	11.067	D1F	0.44	0.76	0.875	3-1/2	34	3.494
P64-14M-40-E	**110793**	64	11.229	11.119	11.750	D1F	0.44	0.76	0.875	3-1/2	39	4.489
P68-14M-40-E	**110794**	68	11.930	11.820	12.500	D2F	0.44	0.76	0.875	3-1/2	34	4.368
P72-14M-40-E	**110795**	72	12.632	12.522	13.066	D2F	0.31	0.89	0.875	3-1/2	40	5.811
P80-14M-40-E	**110796**	80	14.036	13.926	14.620	D3F	0.44	0.76	0.875	3-1/2	39	7.005
P90-14M-40-E	**110797**	90	15.790	15.680	. . .	D3	0.25	0.95	0.875	3-1/2	40	8.633
P112-14M-40-E	**110798**	112	19.650	19.540	. . .	D3	0.25	0.95	0.875	3-1/2	67	21.62
P144-14M-40-E	**110799**	144	25.264	25.154	. . .	D3	0.25	0.95	0.875	3-1/2	66	38.99
P168-14M-40-F	**110759**	168	29.475	29.265	. . .	C3	0.37	1.79	1	4	91	74.83
P192-14M-40-F	**110774**	192	33.686	33.576	. . .	C3	0.37	1.79	1	4	108	117.1
14M-55					**F = 2.75"**							
P28-14M-55-SK	**110805**	28	4.912	4.808	5.562	E1F	0.00	0.89	0.5	2-5/8	7.3	0.1657
P29-14M-55-SK	**110806**	29	5.088	4.983	5.562	E1F	0.00	0.89	0.5	2-5/8	8.2	0.1991
P30-14M-55-SK	**110807**	30	5.263	5.157	5.763	D1F	0.75	0.14	0.5	2-5/8	7.5	0.1989
P32-14M-55-SK	**110808**	32	5.614	5.507	6.114	D1F	0.75	0.14	0.5	2-5/8	9.5	0.2868
P34-14M-55-SK	**110809**	34	5.965	5.858	6.465	D1F	0.75	0.14	0.5	2-5/8	11	0.3851
P36-14M-55-SF	**110810**	36	6.316	6.208	6.816	D1F	0.75	0.19	0.5	2-15/16	11	0.4515
P38-14M-55-SF	**110811**	38	6.667	6.559	7.167	D1F	0.75	0.19	0.5	2-15/16	14	0.6139
P40-14M-55-SF	**110812**	40	7.018	6.909	7.518	D1F	0.75	0.19	0.5	2-15/16	15	0.7440
P44-14M-55-E	**110813**	44	7.720	7.610	8.395	D1F	0.56	0.64	0.875	3-1/2	19	1.136
P48-14M-55-E	**110814**	48	8.421	8.311	8.941	D1F	0.56	0.64	0.875	3-1/2	23	1.641
P52-14M-55-E	**110815**	52	9.123	9.013	9.687	D1F	0.56	0.64	0.875	3-1/2	30	2.454
P56-14M-55-E	**110816**	56	9.825	9.715	10.355	D1F	0.56	0.64	0.875	3-1/2	32	3.030
P60-14M-55-E	**110817**	60	10.527	10.417	11.067	D1F	0.56	0.64	0.875	3-1/2	38	4.038
P64-14M-55-F	**110818**	64	11.229	11.119	11.750	D1F	0.13	1.29	1	4	54	6.267
P68-14M-55-F	**110819**	68	11.930	11.820	12.500	D1F	0.13	1.29	1	4	62	8.029
P72-14M-55-F	**110820**	72	12.632	12.522	13.066	D1F	0.13	1.29	1	4	71	10.32
P80-14M-55-F	**110821**	80	14.036	13.926	14.620	D1F	0.13	1.29	1	4	89	15.76
P90-14M-55-F	**110822**	90	15.790	15.680	. . .	D2	0.13	1.29	1	4	61	12.67
P112-14M-55-F	**110823**	112	19.650	19.540	. . .	D3	0.13	1.29	1	4	80	25.72
P144-14M-55-F	**110824**	144	25.264	25.154	. . .	D3	0.13	1.29	1	4	90	55.45
P168-14M-55-F	**110825**	168	29.475	29.265	. . .	D3	0.13	1.29	1	4	111	95.26
P192-14M-55-F	**110826**	192	33.686	33.576	. . .	D3	0.13	1.29	1	4	134	149.7
P216-14M-55-F	**110827**	216	37.896	37.786	. . .	D3	0.13	1.29	1	4	159	223.9
14M-85					**F = 4"**							
P30-14M-85-SK	**110832**	30	5.263	5.157	5.763	A1F	1.38	0.49	1/2	2-11/16	10	0.2715
P32-14M-85-SK	**110833**	32	5.614	5.507	6.114	A1F	1.38	0.49	1/2	2-5/8	13	0.3993
P34-14M-85-SK	**110834**	34	5.965	5.858	6.465	A1F	1.38	0.49	1/2	2-5/8	15	0.5387
P36-14M-85-SF	**110835**	36	6.316	6.208	6.816	A1F	1.5	0.56	1/2	2-15/16	15	0.6171
P38-14M-85-SF	**110836**	38	6.667	6.559	7.167	A1F	1.38	0.44	1/2	2-15/16	19	0.8559
P40-14M-85-SF	**110837**	40	7.018	6.909	7.518	A1F	1.38	0.44	1/2	2-15/16	22	1.097
P44-14M-85-E	**110838**	44	7.720	7.610	8.395	D1F	1.19	0.01	7/8	3-1/2	23	1.390
P48-14M-85-E	**110839**	48	8.421	8.311	8.941	D1F	1.19	0.01	7/8	3-1/2	29	2.133
P52-14M-85-E	**110840**	52	9.123	9.013	9.687	D1F	1.19	0.01	7/8	3-1/2	35	2.972
P56-14M-85-F	**110841**	56	9.825	9.715	10.355	D1F	0.75	0.67	1	4	46	4.426
P60-14M-85-F	**110842**	60	10.527	10.417	11.067	D1F	0.75	0.67	1	4	57	6.259
P64-14M-85-F	**110843**	64	11.229	11.119	11.750	D1F	0.75	0.67	1	4	64	7.866
P68-14M-85-F	**110852**	68	11.930	11.820	12.500	D1F	0.75	0.67	1	4	75	10.40
P72-14M-85-F	**110844**	72	12.632	12.522	13.066	D1F	0.75	0.67	1	4	89	13.74
P80-14M-85-F	**110845**	80	14.036	13.926	14.620	D1F	0.75	0.67	1	4	100	18.65
P90-14M-85-F	**110846**	90	15.790	15.680	. . .	D3	0.75	0.67	1	4	57	12.19
P112-14M-85-F	**110847**	112	19.650	19.540	. . .	D3	0.75	0.67	1	4	94	32.92
P144-14M-85-F	**110848**	144	25.264	25.154	. . .	D3	0.75	0.67	1	4	129	73.66
P168-14M-85-F	**110849**	168	29.475	29.265	. . .	D3	0.69	0.73	1	4	144	126.7
P192-14M-85-F	**110850**	192	33.686	33.576	. . .	D3	0.69	0.73	1	4	178	203.8
P216-14M-85-F	**110851**	216	37.896	37.786	. . .	D3	0.69	0.73	1	4	216	315.6

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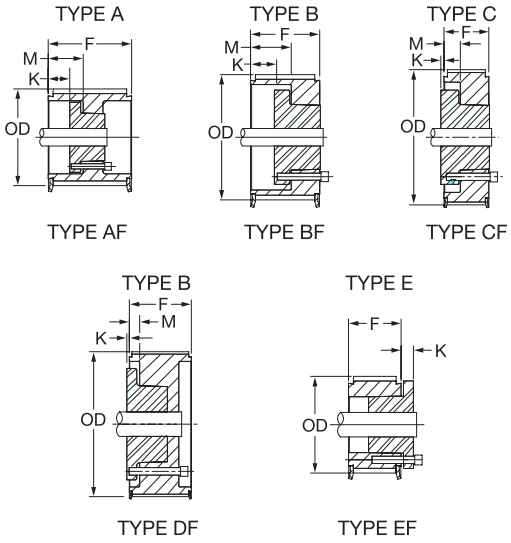
SPECIFICATION

QD HTD Sprockets



The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms), and the letter "F" indicates that the sprocket has flanges.

14MM QD HTD Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		M	K	Min.	Max		
14M-115					**F = 5.25"**							
P30-14M-115-SK	**110857**	30	5.263	5.157	5.763	A1F	2.00	1.11	1/2	2-5/8	12	0.3441
P32-14M-115-SK	**110858**	32	5.614	5.507	6.114	A1F	2.00	1.11	1/2	2-5/8	16	0.5084
P34-14M-115-SK	**110859**	34	5.965	5.858	6.465	A1F	2.00	1.11	1/2	2-5/8	20	0.7035
P36-14M-115-SF	**110860**	36	6.316	6.208	6.816	A1F	2.00	1.06	1/2	2-15/16	19	0.7834
P38-14M-115-SF	**110861**	38	6.667	6.559	7.167	A1F	2.00	1.06	1/2	2-15/16	22	1.000
P40-14M-115-SF	**110862**	40	7.018	6.909	7.518	A1F	2.00	1.06	1/2	2-15/16	26	1.306
P44-14M-115-E	**110863**	44	7.720	7.610	8.395	A1F	2.00	0.80	7/8	3-1/2	27	1.717
P48-14M-115-E	**110864**	48	8.421	8.311	8.941	A1F	1.94	0.74	7/8	3-1/2	36	2.657
P52-14M-115-F	**110865**	52	9.123	9.013	9.687	D1F	1.38	0.05	1	4	48	4.133
P56-14M-115-F	**110866**	56	9.825	9.715	10.355	D1F	1.38	0.05	1	4	54	5.326
P60-14M-115-F	**110867**	60	10.527	10.417	11.067	D1F	1.38	0.05	1	4	63	7.105
P64-14M-115-J	**110868**	64	11.229	11.119	11.750	D1F	1.00	0.20	1-1/2	4-1/2	81	10.377
P68-14M-115-J	**110869**	68	11.930	11.820	12.500	D1F	1.00	0.20	1-1/2	4-1/2	90	12.89
P72-14M-115-J	**110870**	72	12.632	12.522	13.066	D1F	1.00	0.20	1-1/2	4-1/2	101	16.06
P80-14M-115-J	**110871**	80	14.036	13.926	14.620	D2F	1.00	0.20	1-1/2	4-1/2	108	21.04
P90-14M-115-J	**110872**	90	15.790	15.680	. . .	D2	1.00	0.20	1-1/2	4-1/2	121	29.10
P112-14M-115-J	**110873**	112	19.650	19.540	. . .	D3	1.00	0.20	1-1/2	4-1/2	117	46.65
P144-14M-115-J	**110874**	144	25.264	25.154	. . .	D3	1.06	0.14	1-1/2	4-1/2	157	113.9
P168-14M-115-J	**110875**	168	29.475	29.265	. . .	D3	1.06	0.14	1-1/2	4-1/2	198	209.1
P192-14M-115-J	**110876**	192	33.686	33.576	. . .	D3	1.06	0.14	1-1/2	4-1/2	240	265.8
P216-14M-115-J	**110877**	216	37.896	37.786	. . .	D3	1.06	0.14	1-1/2	4-1/2	284	401.7
14M-170					**F = 7.38"**							
P44-14M-170-E	**110883**	44	7.720	7.610	8.395	A1F	2.88	1.68	7/8	3-1/2	35	2.273
P48-14M-170-E	**110884**	48	8.421	8.311	8.941	A1F	2.88	1.68	7/8	3-1/2	46	3.550
P52-14M-170-F	**110885**	52	9.123	9.013	9.687	A1F	2.44	1.02	1	4	61	5.430
P56-14M-170-F	**110886**	56	9.825	9.715	10.355	A1F	2.44	1.02	1	4	67	6.860
P60-14M-170-J	**110887**	60	10.527	10.417	11.067	A1F	2.28	1.08	1-1/2	4-1/2	81	9.546
P64-14M-170-J	**110888**	64	11.229	11.119	11.750	A1F	2.13	0.93	1-1/2	4-1/2	100	13.31
P68-14M-170-J	**110897**	68	11.930	11.820	12.500	A1F	2.13	0.93	1-1/2	4-1/2	108	16.08
P72-14M-170-J	**110889**	72	12.632	12.522	13.066	A1F	2.13	0.93	1-1/2	4-1/2	119	19.72
P80-14M-170-J	**110890**	80	14.036	13.926	14.620	A2F	2.13	0.93	1-1/2	4-1/2	129	26.66
P90-14M-170-J	**110891**	90	15.790	15.680	. . .	A2	2.13	0.93	1-1/2	4-1/2	163	41.42
P112-14M-170-M	**110892**	112	19.650	19.540	. . .	D3	1.44	0.30	2	5-1/2	188	63.86
P144-14M-170-M	**110893**	144	25.264	25.154	. . .	D3	1.44	0.30	2	5-1/2	240	146.9
P168-14M-170-M	**110894**	168	29.475	29.265	. . .	D3	1.44	0.30	2	5-1/2	279	247.5
P192-14M-170-M	**110895**	192	33.686	33.576	. . .	D3	1.44	0.30	2	5-1/2	541	746.7
P216-14M-170-M	**110896**	216	37.896	37.786	. . .	D3	1.44	0.30	2	5-1/2	443	774.6

DODGE

QD HTD Sprockets

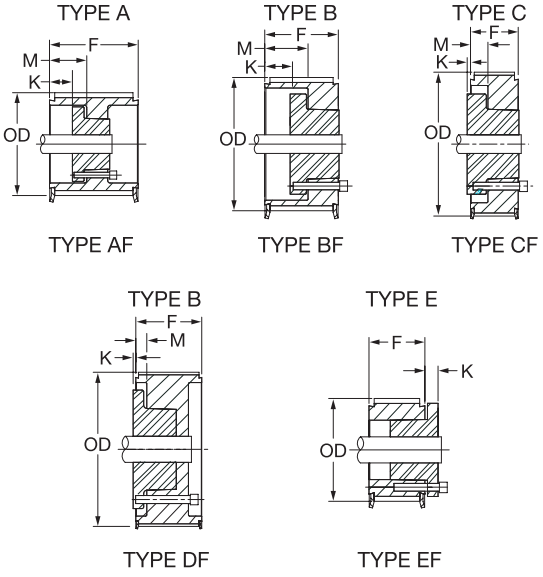
20MM QD HTD Sprockets

SPROCKET NUMBER	PART NO.	NO. OF TEETH	DIAMETERS			TYPE	DIMENSIONS (IN.)		Bore Sizes		Approx. Weight (LBS.)
			P.D.	O.D.	FLANGE		M	K	Min.	Max	
20M-115					**F = 5.38"**						
P34-20M-115-F	**114668**	34	8.522	8.352	9.449	A1F	1.44	0.02	1	4	42
P36-20M-115-F	**114669**	36	9.023	8.853	9.843	A1F	1.44	0.02	1	4	50
P38-20M-115-F	**114670**	38	9.524	9.354	10.443	A1F	1.44	0.02	1	4	55
P40-20M-115-F	**114671**	40	10.026	9.855	10.827	A1F	1.44	0.02	1	4	61
P44-20M-115-F	**114672**		11.028	10.858	11.811	A1F	1.44	0.02	1	4	74
P48-20M-115-J	**114673**	48	12.031	11.861	12.795	D1F	1.19	0.01	1-1/2	4-1/2	100
P52-20M-115-J	**114674**	52	13.033	12.863	13.764	D2F	1.19	0.01	1-1/2	4-1/2	96
P56-20M-115-J	**114675**	56	14.036	13.856	14.764	D2F	1.19	0.01	1-1/2	4-1/2	103
P60-20M-115-J	**114676**	60	15.038	14.868	15.927	D2F	1.19	0.01	1-1/2	4-1/2	110
P64-20M-115-J	**114677**	64	16.041	15.871	16.929	D2F	1.19	0.01	1-1/2	4-1/2	119
P68-20M-115-J	**114678**	68	17.032	16.873	17.927	D2F	1.19	0.01	1-1/2	4-1/2	125
P72-20M-115-J	**114679**	72	18.046	17.876	18.898	D2F	1.19	0.01	1-1/2	4-1/2	135
P80-20M-115-M	**114680**	80	20.051	19.881	20.866	D2F	0.19	1.55	2	5-1/2	216
P90-20M-115-M	**114681**	90	22.557	22.387	23.425	D2F	0.19	1.55	2	5-1/2	247
P112-20M-115-M	**114682**	112	28.071	27.901	. . .	D3	0.19	1.55	2	5-1/2	273
P144-20M-115-N	**114683**	144	36.092	35.922	. . .	C3	0.00	2.05	2-7/16	5-7/8	392
P168-20M-115-N	**114684**	168	42.107	41.937	. . .	C3	0.00	2.05	2-7/16	5-7/8	469
P192-20M-115-N	**114685**	192	48.122	47.952	. . .	C3	0.00	2.05	2-7/16	5-7/8	552
P216-20M-115-N	**114686**	216	54.136	53.958	. . .	C3	0.00	2.05	2-7/16	5-7/8	618
20M-170					**F = 7.5"**						
P34-20M-170-MPB	**114687**	34	8.522	8.352	9.449	6F	2.25	1.25	2-1/8	4-3/8	81
P36-20M-170-MPB	**114688**	36	9.023	8.853	9.843	6F	2.25	1.25	2-1/8	4-1/2	93
P38-20M-170-J	**114689**	38	9.524	9.354	10.443	A1F	2.19	0.99	1-1/2	4-1/2	72
P40-20M-170-J	**114690**	40	10.026	9.855	10.827	A1F	2.19	0.99	1-1/2	4-1/2	80
P44-20M-170-J	**114691**	44	11.028	10.858	11.811	A1F	2.19	0.99	1-1/2	4-1/2	97
P48-20M-170-M	**114692**	48	12.031	11.861	12.795	D1F	1.50	0.24	2	5-1/2	148
P52-20M-170-M	**114693**	52	13.033	12.863	13.764	D1F	1.50	0.24	2	5-1/2	175
P56-20M-170-M	**114694**	56	14.036	13.856	14.764	D1F	1.50	0.24	2	5-1/2	204
P60-20M-170-M	**114695**	60	15.038	14.868	15.927	D1F	1.50	0.24	2	5-1/2	233
P64-20M-170-M	**114696**	64	16.041	15.871	16.929	D2F	1.50	0.24	2	5-1/2	210
P68-20M-170-M	**114697**	68	17.032	16.873	17.927	D2F	1.50	0.24	2	5-1/2	222
P72-20M-170-M	**114698**	72	18.046	17.876	18.898	D2F	1.50	0.24	2	5-1/2	230
P80-20M-170-M	**114699**	80	20.051	19.881	20.866	D2F	1.50	0.24	2	5-1/2	249
P90-20M-170-M	**114700**	90	22.557	22.387	23.425	D2F	1.50	0.24	2	5-1/2	285
P112-20M-170-N	**114701**	112	28.071	27.901	. . .	D3	1.25	0.80	2-7/16	5-7/8	361
P144-20M-170-N	**114702**	144	36.092	35.922	. . .	D3	1.25	0.80	2-7/16	5-7/8	478
P168-20M-170-P	**114703**	168	42.107	41.937	. . .	C3	1.06	1.24	2-7/16	7	658
P192-20M-170-P	**114704**	192	48.122	47.952	. . .	C3	1.06	1.24	2-7/16	7	739
P216-20M-170-P	**114705**	216	54.136	53.958	. . .	C3	1.06	1.24	2-7/16	7	901
20M-230					**F = 9.88"**						
P38-20M-230-MPB	**114706**	38	9.524	9.354	10.443	6F	2.63	1.25	2-7/8	5-1/4	120
P40-20M-230-MPB	**114707**	40	10.026	9.855	10.827	6F	2.63	1.25	2-7/8	5-7/8	147
P44-20M-230-MPB	**114708**	44	11.028	10.858	11.811	6F	2.63	1.25	2-7/8	6	180
P48-20M-230-M	**114709**	48	12.031	11.861	12.795	A1F	2.00	0.26	2	5-1/2	164
P52-20M-230-M	**114710**	52	13.033	12.863	13.764	A1F	2.00	0.26	2	5-1/2	193
P56-20M-230-M	**114711**		14.036	13.856	14.764	A1F	2.00	0.26	2	5-1/2	224
P60-20M-230-M	**114712**	60	15.038	14.868	15.927	A1F	2.00	0.26	2	5-1/2	252
P64-20M-230-M	**114713**	64	16.041	15.871	16.929	A2F	2.00	0.26	2	5-1/2	233
P68-20M-230-N	**114714**	68	17.032	16.873	17.927	D1F	1.81	0.24	2-7/16	5-7/8	375
P72-20M-230-N	**114715**	72	18.046	17.876	18.898	D2F	1.81	0.24	2-7/16	5-7/8	339
P80-20M-230-N	**114716**	80	20.051	19.881	20.866	D2F	1.81	0.24	2-7/16	5-7/8	331
P90-20M-230-N	**114717**	90	22.557	22.387	23.425	D2F	1.81	0.24	2-7/16	5-7/8	370
P112-20M-230-N	**114718**	112	28.071	27.901	. . .	D3	1.81	0.24	2-7/16	5-7/8	409
P144-20M-230-P	**114719**	144	36.092	35.922	. . .	D3	1.31	0.99	2-15/16	7	622
P168-20M-230-P	**114720**	168	42.107	41.937	. . .	D3	1.31	0.99	2-15/16	7	742
P192-20M-230-W	**114721**	192	48.122	47.952	. . .	C3	1.50	1.06	4	8-1/2	1111
P216-20M-230-W	**114722**	216	54.136	53.958	. . .	C3	1.50	1.06	4	8-1/2	1238

FEATURES/BENEFITS PAGE PT11-2	SELECTION PAGE PT11-19	ENGINEERING/TECHNICAL PAGE PT11-64	

SPECIFICATION

QD HTD Sprockets



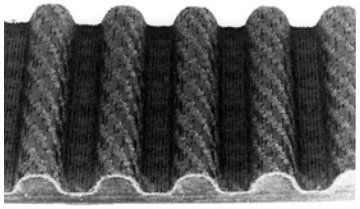
The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms), and the letter "F" indicates that the sprocket has flanges.

20MM QD HTD Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters (Inches)			Type	Dimensions Inches)		Bore Sizes		Wt. (Lbs)
			Pitch	O.D.	Flange		M	K	Min.	Max.	
20M-290					**F = 12.25"**						
P52-20M-290-N	**114723**	52	13.033	12.863	13.764	A1F	2.50	0.50	2-7/16	5-7/8	202.7
P56-20M-290-N	**114724**	56	14.036	13.856	14.764	A1F	2.50	0.50	2-7/16	5-7/8	238.8
P60-20M-290-N	**114725**	60	15.038	14.868	15.927	A1F	2.50	0.50	2-7/16	5-7/8	276.5
P64-20M-290-N	**114726**	64	16.041	15.871	16.929	A1F	2.50	0.50	2-7/16	5-7/8	319.8
P68-20M-290-N	**114727**	68	17.032	16.873	17.927	A1F	2.50	0.50	2-7/16	5-7/8	367.9
P72-20M-290-N	**114728**	72	18.046	17.876	18.898	A2F	2.50	0.50	2-7/16	5-7/8	364.0
P80-20M-290-N	**114729**	80	20.051	19.881	20.866	A2F	2.50	0.50	2-7/16	5-7/8	369.6
P90-20M-290-N	**114730**	90	22.557	22.387	23.425	A2F	2.50	0.50	2-7/16	5-7/8	424.3
P112-20M-290-P	**114731**	112	28.071	27.901	. . .	A2	2.50	0.25	2-15/16	7	614.6
P144-20M-290-P	**114732**	144	36.092	35.922	. . .	A3	2.50	0.25	2-15/16	7	679.8
P168-20M-290-W	**114733**	168	42.107	41.937	. . .	A3	2.69	0.19	4	8-1/2	1117.1
P192-20M-290-W	**114734**	192	48.122	47.952	. . .	A3	2.69	0.19	4	8-1/2	1281.0
P216-20M-290-W	**114735**	216	54.136	53.958	. . .	A3	2.69	0.19	4	8-1/2	1175.6
20M-340					**F = 14.25"**						
P52-20M-340-N	**114736**	52	13.033	12.863	13.764	A1F	2.50	0.50	2-7/16	5-7/8	221.0
P56-20M-340-N	**114737**	56	14.036	13.856	14.764	A1F	2.50	0.50	2-7/16	5-7/8	258.0
P60-20M-340-N	**114738**	60	15.038	14.868	15.927	A1F	2.50	0.50	2-7/16	5-7/8	293.4
P64-20M-340-N	**114739**	64	16.041	15.871	16.929	A1F	2.50	0.50	2-7/16	5-7/8	337.9
P68-20M-340-N	**114740**	68	17.032	16.873	17.927	A1F	2.50	0.50	2-7/16	5-7/8	388.1
P72-20M-340-N	**114741**	72	18.046	17.876	18.898	A2F	2.50	0.50	2-7/16	5-7/8	393.1
P80-20M-340-P	**114742**	80	20.051	19.881	20.866	A1F	3.50	1.25	2-15/16	7	560.0
P90-20M-340-P	**114743**	90	22.557	22.387	23.425	A2F	3.50	1.25	2-15/16	7	497.3
P112-20M-340-P	**114744**	112	28.071	27.901	. . .	A2	3.50	1.25	2-15/16	7	653 3
P144-20M-340-W	**114745**	144	36.092	35.922	. . .	A3	2.63	0.13	4	8-1/2	851.0
P168-20M-340-W	**114746**	168	42.107	41.937	. . .	A3	2.63	0.13	4	8-1/2	1177.0
P192-20M-340-S	**114747**	192	48.122	47.952	. . .	D3	1.13	2.38	5-1/2	10	1519.4
P216-20M-340-S	**114748**	216	54.136	53.958	. . .	D3	1.13	2.38	5-1/2	10	1473.5

SPECIFICATION

DODGE H200 Belts



- 200% Rating of HTD Belts
- For Use on TAPER-LOCK HT Sprockets

Note: Belt length is in millimeters
To convert to inches, divide by 25.4
Example: 2600-8M-30 belt size
2600 ÷ 25.4 = 102.36 inches belt length

5 MM Pitch HT200 Belts

15MM Wide			15MM Wide			25MM Wide			25MM Wide		
Description	**Part No.**	**Wgt.**	**Description**	**Part No.**	**Wgt.**	**Description**	**Part No.**	**Wgt.**	**Description**	**Part No.**	**Wgt.**
300-5M-15	**142100**	0.04	650-5M-15	**142110**	0.09	300-5M-25	**142122**	0.07	650-5M-25	**142132**	0.15
355-5M-15	**142101**	0.05	700-5M-15	**142111**	0.09	355-5M-25	**142123**	0.08	700-5M-25	**142133**	0.15
375-5M-15	**142102**	0.05	750-5M-15	**142112**	0.10	375-5M-25	**142124**	0.09	750-5M-25	**142134**	0.17
400-5M-15	**142103**	0.05	800-5M-15	**142113**	0.11	400-5M-25	**142125**	0.09	800-5M-25	**142135**	0.18
405-5M-15	**142145**	0.05	850-5M-15	**142148**	0.11	405-5M-25	**142149**	0.09	850-5M-25	**142152**	0.19
425-5M-15	**142104**	0.06	900-5M-15	**142114**	0.12	425-5M-25	**142126**	0.10	900-5M-25	**142136**	0.20
450-5M-15	**142105**	0.06	1000-5M-15	**142115**	0.14	450-5M-25	**142127**	0.10	1000-5M-25	**142137**	0.23
500-5M-15	**142106**	0.07	1150-5M-15	**142116**	0.16	500-5M-25	**142128**	0.11	1150-5M-25	**142138**	0.26
535-5M-15	**142107**	0.07	1300-5M-15	**142117**	0.18	535-5M-25	**142129**	0.12	1300-5M-25	**142139**	0.29
565-5M-15	**142108**	0.08	1450-5M-15	**142118**	0.20	565-5M-25	**142130**	0.13	1450-5M-25	**142140**	0.34
580-5M-15	**142146**	0.08	1600-5M-15	**142119**	0.22	580-5M-25	**142150**	0.13	1600-5M-25	**142141**	0.36
600-5M-15	**142109**	0.08	1720-5M-15	**142120**	0.23	600-5M-25	**142131**	0.14	1720-5M-25	**142142**	0.39
625-5M-15	**142147**	0.09	2100-5M-15	**142121**	0.29	625-5M-25	**142151**	0.14	2100-5M-25	**142143**	0.47

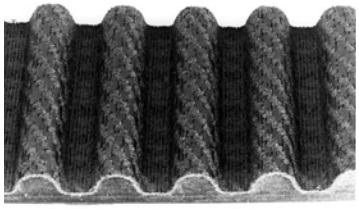
8 MM Pitch HT200 Belts

20MM Wide			30MM Wide			50MM Wide			85MM Wide		
Description	**Part No.**	**Wt.**	**Description**	**Part No.**	**Wt.**	**Description**	**Part No.**	**Wt.**	**Description**	**Part No.**	**Wt.**
384-8M-20	**146400**	0.12	384-8M-30	**146433**	0.19	384-8M-50	**146466**	0.33	384-8M-85	**146499**	0.55
480-8M-20	**146401**	0.13	480-8M-30	**146434**	0.20	480-8M-50	**146467**	0.34	480-8M-85	**146500**	0.57
560-8M-20	**146402**	0.16	560-8M-30	**146435**	0.23	560-8M-50	**146468**	0.39	560-8M-85	**146501**	0.66
600-8M-20	**146403**	0.17	600-8M-30	**146436**	0.25	600-8M-50	**146469**	0.42	600-8M-85	**146502**	0.71
640-8M-20	**146404**	0.18	640-8M-30	**146437**	0.27	640-8M-50	**146470**	0.45	640-8M-85	**146503**	0.76
720-8M-20	**146405**	0.20	720-8M-30	**146438**	0.30	720-8M-50	**146471**	0.50	720-8M-85	**146504**	0.85
800-8M-20	**146406**	0.22	800-8M-30	**146439**	0.33	800-8M-50	**146472**	0.56	800-8M-85	**146505**	0.95
840-8M-20	**146407**	0.23	840-8M-30	**146440**	0.35	840-8M-50	**146473**	0.59	840-8M-85	**146505**	1.00
880-8M-20	**146408**	0.25	880-8M-30	**146441**	0.37	880-8M-50	**146474**	0.61	880-8M-85	**146507**	1.04
920-8M-20	**146409**	0.26	920-8M-30	**146442**	0.39	920-8M-50	**146475**	0.64	920-8M-85	**146508**	1.09
960-8M-20	**146410**	0.27	960-8M-30	**146443**	0.40	960-8M-50	**146476**	0.67	960-8M-85	**146509**	1.14
1040-8M-20	**146411**	0.29	1040-8M-30	**146444**	0.43	1040-8M-50	**146477**	0.74	1040-8M-85	**146510**	1.23
1064-8M-20	**146412**	0.30	1064-8M-30	**146445**	0.45	1064-8M-50	**146478**	0.76	1064-8M-85	**146511**	1.27
1120-8M-20	**146413**	0.31	1120-8M-30	**146446**	0.47	1120-8M-50	**146479**	0.78	1120-8M-85	**146512**	1.33
1160-8M-20	**146414**	0.32	1160-8M-30	**146447**	0.48	1160-8M-50	**146480**	0.8	1160-8M-85	**146513**	1.28
1200-8M-20	**146415**	0.34	1200-8M-30	**146448**	0.50	1200-8M-50	**146481**	0.84	1200-8M-85	**146514**	1.42
1224-8M-20	**146416**	0.35	1224-8M-30	**146449**	0.51	1224-8M-50	**146482**	0.87	1224-8M-85	**146515**	1.47
1280-8M-20	**146417**	0.36	1280-8M-30	**146450**	0.53	1280-8M-50	**146483**	0.89	1280-8M-85	**146516**	1.52
1440-8M-20	**146418**	0.40	1440-8M-30	**146451**	0.60	1440-8M-50	**146484**	1.01	1440-8M-85	**146517**	1.71
1512-8M-20	**146419**	0.42	1512-8M-30	**146452**	0.62	1512-8M-50	**146485**	1.05	1512-8M-85	**146518**	1.79
1584-8M-20	**146420**	0.43	1584-8M-30	**146453**	0.65	1584-8M-50	**146486**	1.09	1584-8M-85	**146519**	1.82
1600-8M-20	**146421**	0.45	1600-8M-30	**146454**	0.67	1600-8M-50	**146487**	1.11	1600-8M-85	**146520**	1.90
1760-8M-20	**146422**	0.49	1760-8M-30	**146455**	0.73	1760-8M-50	**146488**	1.23	1760-8M-85	**146521**	2.08
1800-8M-20	**146423**	0.50	1800-8M-30	**146456**	0.75	1800-8M-50	**146489**	1.25	1800-8M-85	**146522**	2.13
2000-8M-20	**146424**	0.56	2000-8M-30	**146457**	0.83	2000-8M-50	**146490**	1.39	2000-8M-85	**146523**	2.37
2200-8M-20	**146425**	0.60	2200-8M-30	**146458**	0.90	2200-8M-50	**146491**	1.50	2200-8M-85	**146524**	2.55
2400-8M-20	**146426**	0.67	2400-8M-30	**146459**	1.00	2400-8M-50	**146492**	1.67	2400-8M-85	**146525**	2.84
2600-8M-20	**146427**	0.79	2600-8M-30	**146460**	1.09	2600-8M-50	**146493**	1.81	2600-8M-85	**146526**	3.09
2800-8M-20	**146428**	0.80	2800-8M-30	**146461**	1.17	2800-8M-50	**146494**	1.95	2800-8M-85	**146527**	3.32
3048-8M-20	**146429**	0.85	3048-8M-30	**146462**	1.27	3048-8M-50	**146495**	2.00	3048-8M-85	**146528**	3.62
3280-8M-20	**146430**	0.92	3280-8M-30	**146463**	1.37	3280-8M-50	**146496**	2.29	3280-8M-85	**146529**	3.89
3600-8M-20	**146431**	1.01	3600-8M-30	**146464**	1.51	3600-8M-50	**146497**	2.51	3600-8M-85	**146530**	4.27
4400-8M-20	**146432**	1.23	4400-8M-30	**146465**	1.84	4400-8M-50	**146498**	3.07	4400-8M-85	**146531**	5.22

FEATURES/BENEFITS PAGE PT11-2	SELECTION PAGE PT11-19	ENGINEERING/TECHNICAL PAGE PT11-64	

SPECIFICATION

DODGE H200 Belts



- 200% Rating of HTD Belts
- For Use on TAPER-LOCK HT Sprockets

Note: Belt length is in millimeters
To convert to inches, divide by 25.4

Example: 2600-8M-30 belt size
2600 ÷ 25.4 = 102.36 inches belt length

14 MM Pitch HT200 Belts

40MM Wide			55MM Wide			85MM Wide			115MM Wide			170MM Wide		
Description	**Part No.**	**Wt.**	**Description**	**Part No.**	**Wt.**	**Description**	**Part No.**	**Wt.**	**Description**	**Part No.**	**Wt.**	**Description**	**Part No.**	**Wt.**
966-14M-40	**146532**	0.84	966-14M-55	**146554**	1.15	966-14M-85	**146576**	1.78	966-14M-115	**146598**	2.41	966-14M-170	**146620**	3.56
1190-14M-40	**146533**	1.03	1190-14M-55	**146555**	1.42	1190-14M-85	**146577**	2.20	1190-14M-115	**146599**	2.98	1190-14M-170	**146621**	4.39
1400-14M-40	**146534**	1.21	1400-14M-55	**146556**	1.67	1400-14M-85	**146578**	2.58	1400-14M-115	**146600**	3.50	1400-14M-170	**146622**	5.16
1610-14M-40	**146535**	1.40	1610-14M-55	**146557**	1.92	1610-14M-85	**146579**	2.97	1610-14M-115	**146601**	4.02	1610-14M-170	**146623**	5.95
1778-14M-40	**146536**	1.54	1778-14M-55	**146558**	2.13	1778-14M-85	**146580**	3.28	1778-14M-115	**146602**	4.45	1778-14M-170	**146624**	6.56
1890-14M-40	**146537**	1.64	1890-14M-55	**146559**	2.26	1890-14M-85	**146581**	3.49	1890-14M-115	**146603**	4.73	1890-14M-170	**146625**	6.97
2100-14M-40	**146538**	1.82	2100-14M-55	**146560**	2.51	2100-14M-85	**146582**	3.88	2100-14M-115	**146604**	5.25	2100-14M-170	**146626**	7.75
2310-14M-40	**146539**	2.00	2310-14M-55	**146561**	2.76	2310-14M-85	**146583**	4.26	2310-14M-115	**146605**	5.77	2310-14M-170	**146627**	8.53
2450-14M-40	**146540**	2.13	2450-14M-55	**146562**	2.93	2450-14M-85	**146584**	4.52	2450-14M-115	**146606**	6.13	2450-14M-170	**146628**	9.04
2590-14M-40	**146541**	2.25	2590-14M-55	**146563**	3.10	2590-14M-85	**146585**	4.78	2590-14M-115	**146607**	6.47	2590-14M-170	**146629**	9.55
2800-14M-40	**146542**	2.43	2800-14M-55	**146564**	3.34	2800-14M-85	**146586**	5.17	2800-14M-115	**146608**	7.00	2800-14M-170	**146630**	10.33
3150-14M-40	**146543**	2.73	3150-14M-55	**146565**	3.77	3150-14M-85	**146587**	5.82	3150-14M-115	**146609**	7.87	3150-14M-170	**146631**	11.62
3360-14M-40	**146544**	2.91	3360-14M-55	**146566**	4.02	3360-14M-85	**146588**	6.20	3360-14M-115	**146610**	8.39	3360-14M-170	**146631**	12.39
3500-14M-40	**146545**	3.03	3500-14M-55	**146567**	4.19	3500-14M-85	**146589**	6.46	3500-14M-115	**146611**	8.75	3500-14M-170	**146633**	12.90
3850-14M-40	**146546**	3.33	3850-14M-55	**146568**	4.60	3850-14M-85	**146590**	7.10	3850-14M-115	**146612**	9.62	3850-14M-170	**146634**	14.20
4326-14M-40	**146547**	3.74	4326-14M-55	**146569**	5.17	4326-14M-85	**146591**	8.00	4326-14M-115	**146613**	10.80	4326-14M-170	**146635**	15.96
4578-14M-40	**146548**	3.96	4578-14M-55	**146570**	5.48	4578-14M-85	**146592**	8.45	4578-14M-115	**146614**	11.42	4578-14M-170	**146636**	16.90
4956-14M-40	**146549**	4.29	4956-14M-55	**146571**	5.90	4956-14M-85	**146593**	9.11	4956-14M-115	**146615**	12.33	4956-14M-170	**146637**	18.23
5320-14M-40	**146550**	4.61	5320-14M-55	**146572**	6.33	5320-14M-85	**146594**	9.28	5320-14M-115	**146616**	13.24	5320-14M-170	**146638**	19.57
5740-14M-40	**146551**	4.97	5740-14M-55	**146573**	6.83	5740-14M-85	**146595**	10.55	5740-14M-115	**146617**	14.29	5740-14M-170	**146639**	25.00
6160-14M-40	**146552**	5.33	6160-14M-55	**146574**	7.33	6160-14M-85	**146596**	11.32	6160-14M-115	**146618**	15.34	6160-14M-170	**146640**	22.67
6860-14M-40	**146553**	5.94	6860-14M-55	**146575**	8.16	6860-14M-85	**146597**	12.61	6860-14M-115	**146619**	17.08	6860-14M-170	**146641**	25.25

20MM Pitch HTD Belts

115MM Wide			170MM Wide			230MM Wide			290MM Wide			340MM Wide		
Size	**Part No.**	**Wt.**	**Size**	**Part No.**	**Wt.**	**Size**	**Part No.**	**Wt.**	**Size**	**Part No.**	**Wt.**	**Size**	**Part No.**	**Wt.**
2000-20M-115	**142288**	6	2000-20M-170	**142303**	9	2000-20M-230	**142318**	12	2000-20M-290	**142333**	16	2000-20M-340	**142348**	19
2500-20M-115	**142289**	8	2500-20M-170	**142304**	11	2500-20M-230	**142319**	15	2500-20M-290	**142334**	20	2500-20M-340	**142349**	24
3400-20M-115	**142290**	11	3400-20M-170	**142305**	16	3400-20M-230	**142320**	22	3400-20M-290	**142335**	27	3400-20M-340	**142350**	32
3800-20M-115	**142291**	12	3800-20M-170	**142306**	18	3800-20M-230	**142321**	24.5	3800-20M-290	**142336**	30.5	3800-20M-340	**142351**	35.5
4200-20M-115	**142292**	13	4200-20M-170	**142307**	20	4200-20M-230	**142322**	27	4200-20M-290	**142337**	34	4200-20M-340	**142352**	39
4600-20M-115	**142293**	14.5	4600-20M-170	**142308**	21.5	4600-20M-230	**142323**	29.5	4600-20M-290	**142338**	37	4600-20M-340	**142353**	43
5000-20M-115	**142294**	16	5000-20M-170	**142309**	23	5000-20M-230	**142324**	32	5000-20M-290	**142339**	40	5000-20M-340	**142354**	47
5200-20M-115	**142295**	16.5	5200-20M-170	**142310**	24	5200-20M-230	**142325**	33	5200-20M-290	**142340**	41.5	5200-20M-340	**142355**	49
5400-20M-115	**142296**	17	5400-20M-170	**142311**	25	5400-20M-230	**142326**	34	5400-20M-290	**142341**	43	5400-20M-340	**142356**	51
5600-20M-115	**142297**	17.5	5600-20M-170	**142312**	26	5600-20M-230	**142327**	35.5	5600-20M-290	**142342**	44.5	5600-20M-340	**142357**	52.5
5800-20M-115	**142298**	18 0	5800-20M-170	**142313**	27	5800-20M-230	**142328**	37	5800-20M-290	**142343**	46	5800-20M-340	**142358**	54
6000-20M-115	**142299**	19	6000-20M-170	**142314**	28	6000-20M-230	**142329**	38	6000-20M-290	**142344**	48	6000-20M-340	**142359**	56
6200-20M-115	**142300**	20 0	6200-20M-170	**142315**	29	8200-20M-230	**142330**	39	6200-20M-290	**142345**	50	6200-20M 340	**142360**	58
6400-20M-115	**142301**	21	6400 20M 170	**142316**	30	6400-20M-230	**142331**	40.5	6400-20M-290	**142346**	51 5	6400-20M-340	**142361**	60 0
6600-20M-115	**142302**	22 0	6600-20M-170	**142317**	31	6600-20M-230	**142332**	42	6600-20M-290	**142347**	53	6600-20M-340	**142362**	62

PROCEDURE

1. **Obtain required information:**
   - Motor name plate HP
   - Motor or DriveR RPM and Shaft size
   - DriveN Machine RPM and Shaft size
   - Approximate center distance
   - Service factor information
2. **Determine Service Factor: (Page PT11-20)**
   - Determine type of Driven Machine from Table 1
   - Choose Basic Service Factor in appropriate column of the following S.F. Table
   - Add additional service factor for slow speed drives, idlers or speed up drives were applicable
3. **Calculate Design Horsepower:**
   - Multiply Motor HP or normal running HP times Service Factor from Step 2
   - Note: Recommended Min. Sprocket Diameter, if applicable, from NEMA table on page PT11-21.
4. **Determine Belt Pitch: (Page PT11-21)**
   - Choose belt pitch based upon Design HP and RPM of faster shaft
5. **Select Smaller Sprocket:**
   - Look at Basic HP rating tables of belt Pitch selected in Step 4
   - Scan HP rating at RPM of faster shaft. (Pg. PT11-22 thru PT11-26)
   - Find sprocket size(s) that have HP rating at or above Design HP
6. **Calculate Drive Speed Ratio:**
   - Divide Fast Shaft RPM by Slow Shaft RPM
7. **Select Sprockets and Belt:**
   - Refer to “Ratio/Center Distance” Tables for Belt pitch chosen in Step 4. (Pg. PT11-35 - PT11-65)
   - Trace down left hand column to approximate ratio calculated in Step 6
   - Choose drive that has small sprocket at or above the number of teeth determined in Step 5
   - On this same line, trace to the right until the number closest to the required center distance is reached
   - Trace to the top of this column and note the belt size that gives this center distance
   - Also note the “Belt Length Correction Factor” at the top or bottom of this same column
8. **Finalize Selection**:
   - Multiply “Belt Length Correction Factor” times indicated rating obtained from HP table
   - Verify that Design HP is equal to or less than this corrected HP value
   - Note: If Correction Factor is greater than 1.0 corrected HP may allow selection of smaller less expensive drive
9. **Specify Drive:**
   - DriveR Sprocket and Bushing
   - DriveN Sprocket and Bushing
   - Belt
   - Verify that bushing bore has capacity for shaft size

Example

Step 1. Required Information: Select a HTR/HTRC drive to connect a 15HP APG gearmotor to a package conveyor headshaft. Reducer output is 125 RPM, shaft size is 2”. Headshaft is 2-3/4” and is to run at 70 RPM. Center distance is 19-23”, operation is 14 hrs/day.

Step 2: Service Factor: Package Conveyor requires 1.4 basic Service Factor. Add 0.3 for slow speed drive application (step 2 at left). Net S.F. = 1.7

Step 3. Design HP: 1.7 x 15 = 25.5 HP.

Step 4. Belt Pitch: Referring to page PT11-21, most probable belt pitch for 25.5 Des. HP at 125 RPM is 14MM.

Step 5. Select Small Sprocket: Scan 14MM HP Tables. Since there is no 125 RPM line, it will be necessary to interpolate. Start with the 100 RPM line. Observe that a 38 tooth sprocket for a 115MM wide belt gives 23.5 HP. Interpolation for 125 RPM gives 29.2 HP. Other alternatives are also available (see below)

Step 6. Drive Ratio: 125 / 70 RPM = 1.79:1

Step 7. Sprocket Selection: Refer to 14MM Ratio/Center Distance tables. For 1.79 ratio, note that there are 5 drive combinations in the 1.78 to 1.8 range. The 38 tooth DriveR and the 68 tooth DriveN combination appears to be good, however we need to account for the belt length correction factor of .95, which gives us a net design HP of 27.7. (Note 20.2” C.D. requires a 1778 length code belt)

Step 8. Finalize Selection: Select the 38 to 68 tooth combination with a 1778 length code belt for 20.2” C.D. From step 7, rated HP is 27.7

There are many optional drive selections. For drive verification or complete list of choices run ViaSync at www.ptwizard.com.

Step 9. Specify Drive:

Original Selection:

DriveR Sprocket: P38-14M-115-3020, P/N **114520** Bushing. 3020 x 2”, **P/N 117118**

DriveN Sprocket: P68-14M-115-4545, P/N **114528** Bushing. 4545 x 2-3/4”, P/N **117426**

Belt: 1778-14M-115 HT200 Belt, P/N **146602** Shaft capacity is verified by availability of bore sizes.

Selection program available online at ptwizard.com

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Service Factors

Table 1

DriveN Machine	DriveR					
The driveN machines listed below are representative samples only. Select a driveN machine whose load characteristics most closely approximate those of the machine being considered.	AC Motors: Normal Torque, Squirrel Cage, Synchronous, Split Phase, Inverter Controlled DC Motors: Shunt Wound Stepper Motors Engines: Multiple Cylinder Internal Combustion			AC Motors: High Torque, High Slip, Repulsion-Induction, Single Phase, Series Wound, Slip Ring DC Motors: Series Wound, Compound Wound Servo Motors Engines: Single Cylinder Internal Combustion Line Shafts Clutches		
	Intermittent Service	Normal Service	Continuous Service	Intermittent Service	Normal Service	Continuous Service
	Up to 8 hours Daily or Seasonal	8 - 16 hours Daily	16 - 24 hours Daily	Up to 8 hours Daily or Seasonal	8 - 16 hours Daily	16 - 24 hours Daily
Display, Dispensing Equipment, Instrumentation, Measuring Equipment, Medical Equipment, Office, Projection Equipment	1.0	1.2	1.4	1.2	1.4	1.6
Appliances, Sweepers, Sewing Machines Screens, Oven Screens, Drum, Conical Woodworking Equipment (Light): Band Saws, Drills, Lathes	1.1	1.3	1.5	1.3	1.5	1.7
Agitators for Liquids, Conveyors: Belt, Light Package, Drill Press, Lathes, Saws, Laundry Machinery, Wood Working Equipment (Heavy): Circular Saws, Jointers, Planers	1.2	1.4	1.6	1.6	1.8	2.0
Agitators for Semi-Liquids, Compressor: Centrifugal, Conveyor Belt: Ore, Coal, Sand Dough Mixers, Line Shafts, Machine Tools: Grinder, Shaper, Boring Mill, Milling Machines, Paper Machinery (except Pulpers): Presses, Punches, Shears, Printing Machinery, Pumps: Centrifugal, Gear, Screens: Revolving, Vibratory	1.3	1.5	1.7	1.6	1.8	2.0
Brick Machinery (except Pug Mills) Conveyor: Apron, Pan, Bucket, Elevator, Extractors, Washers, Fans, Centrifugal Blowers, Generators & Exciters, Hoists, Rubber Calender, Mills, Extruders	1.4	1.6	1.8	1.8	2.0	2.2
Centrifuges, Screw Conveyors Hammer Mill, Paper Pulpers, Textile Machinery	1.5	1.7	1.9	1.9	2.1	2.3
Blowers: Positive Displacement, Mine Fans, Pulverizers	1.6	1.8	2.0	2.0	2.2	2.4
Compressors: Reciprocating, Crushers: Gyratory, Jaw, Roll, Mills: Ball, Rod, Pebble, etc., Pumps: Reciprocating Saw Mill Equipment	1.7	1.9	2.1	2.1	2.3	2.5

These service factors are adequate for most belt drive applications. Note that service factors cannot be substituted for good engineering judgment. Service factors may be adjusted based upon an understanding of the severity of actual drive operation conditions.

Additional Service Factors

Low Speed Drives

8mm, 14,, & 20mm Belts Only	
Smaller Sprocket Speed	
Up to 200 rpm	Add 0.3
201 to 400 rpm	Add 0.2
401 to 600 rpm	Add 0.1
Each Idler	Add 0.2

Speed-up Drives

For speed up drives, add the basic service factor to the additional factor given below.

Speed-up Ratio Range	Additional Factor	Speed-up Ratio Range	Additional Factor
1 to 1.24	none	2.5 to 3.49	0.3
1.25 to 1.74	0.1	3.5 & over	0.4
1.75 to 2.49	0.2		

Unusual Conditions

Additional service factors are required for unusual conditions such a load reversal, heavy shock, plugged motor stop, electric brake. Consult factory or recommendation.

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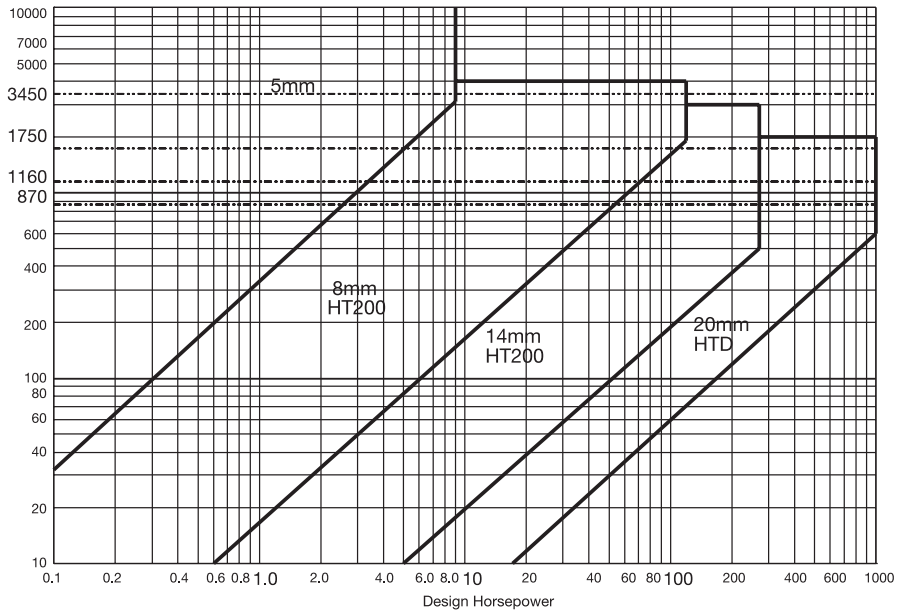
Belt Pitch Selection Guide



Synchronous belt drive noise increases as a function of Design Horsepower and operating RPM. This is indicated on the chart at the left. Provisions should be made to design drive guards for sound absorption accordingly.

Recommended Minimum Sprocket Diameters & Face Width
Synchronous Belt Drives Used On General Purpose Electric Motors

Motor Horse-power	Min. Sprocket Dia. (in.)				Maximum Face Width			
	870	1160	1750	3450	870	1160	1750	3450
1/2	2.0	-	-	-	2.25	-	-	-
3/4	2.16	2.0	-	-	2.25	2.25	-	
1	2.16	2.16	2.0	-	2.75	2.25	2.25	-
1-1/2	2.16	2.16	2.16	2.0	2.75	2.75	2.25	2.25
2	2.7	2.16	2.16	2.16	3.38	2.75	2.25	2.25
3	2.7	2.7	2.16	2.16	3.38	3.38	2.75	2.25
5	3.42	2.7	2.7	2.16	4.0	3.38	2.75	2.75
7-1/2	4.0	3.42	2.7	2.7	4.0	4.0	3.38	2.75
10	4.0	4.0	3.42	2.7	4.63	4.0	3.38	3.38
15	4.7	4.0	4.0	3.42	4.63	4.63	4.0	3.38
20	5.4	4.7	4.0	4.0	5.25	4.63	4.0	4.0
25	6.12	5.4	4.0	4.0	5.25	5.25	4.63	4.0
30	6.12	6.12	4.7	-	5.87	5.25	4.63	-
40	7.4	6.12	5.4	-	5.88	5.88	5.25	-
50	7.6	7.4	6.12	-	7.25	5.88	5.25	-
60	9.0	8.1	6.7	-	7.25	7.25	5.88	-
75	8.6	9.0	7.8	-	8.5	7.25	5.88	-
100	10.8	9.0	7.8	-	8.5	8.5	7.25	-
125	11.3	10.8	9.5	-	8.5	8.5	7.25	-
150	11.88	11.88	9.5	-	11.63	8.5	8.5	-
200	11.88	11.88	11.88	-	11.63	11.63	11.63	-
250	13.5	11.88	11.88	-	11.63	11.63	9.38	-
300	-	-	11.88	-	-	11.63	11.63	-
350	-	-	11.88	-	-	11.63	11.63	-
400	-	-	12.69	-	-	-	11.63	-

NOTE: For a given motor horsepower and speed, the total belt pull is related to the motor sprocket size. As this size **decreases**, the total belt pull **increases**. Therefore, to limit the resultant load on motor shaft and bearings, NEMA lists minimum sprocket sizes for the various motors. The sprocket on the motor (DriveR Sprocket) should be at least this large.

SELECTION

HT200 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

8M-20	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
RPM	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
Small Shaft	2.21	2.41	2.61	2.81	3.01	3.21	3.41	3.61	3.81	4.01	4.44	4.81	5.61	6.42	7.22	8.02
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.14	0.2	0.2	0.2	0.2	0.3	0.3	0.3
20	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.27	0.3	0.3	0.4	0.4	0.5	0.6	0.6
40	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.51	0.5	0.6	0.7	0.8	0.9	1.1	1.2
60	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.74	0.8	0.9	1.0	1.9	1.4	1.6	1.8
100	0.6	0.6	0.7	0.8	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.6	1.9	2.3	2.5	2.8
200	1.0	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.3	2.5	2.8	3.1	3.7	4.3	4.9	5.5
300	1.5	1.7	2.0	2.2	2.4	2.7	2.9	3.1	3.4	3.6	4.0	4.5	5.4	6.2	7.1	8.0
400	2.0	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.37	4.7	53	5.9	7.0	8.4	9.3	10.5
500	2.4	2.8	3.2	3.5	3.9	4.3	4.6	5.0	5.38	5.7	6.5	7.2	8.6	10.1	11.5	12.9
600	2.8	3.1	3.7	4.2	4.6	5.1	5.5	6.0	6.37	6.8	7.7	8.5	10.2	11.9	13.6	15.3
700	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.9	7.35	7.9	8.9	9.9	11.8	13.8	15.7	17.6
800	3.7	4.3	4.9	5.4	6.0	6.6	7.2	7.8	8.31	8.9	10.0	11.1	13.4	15.6	17.8	20.0
870	4.0	4.6	5.2	5.9	6.5	7.1	7.7	8.4	8.98	9.6	10.8	12.0	14.5	16.9	19.2	21.6
1000	4.5	5.2	5.9	6.7	7.4	8.1	8.8	9.5	10.2	10.9	12.3	13.7	16.5	19.2	21.9	24.5
1160	5.1	6.0	6.8	7.6	8.5	9.3	10.1	10.9	11.7	12.5	14.1	15.7	18.9	22.0	25.1	28.1
1200	5.3	6.2	7.0	7.9	8.7	9.6	10.4	11.2	12.1	12.9	14.6	16.2	19.5	22.7	25.9	29.0
1400	6.1	7.1	8.1	9.0	10.0	11.0	12.0	12.9	13.9	14.9	16.8	18.7	22.4	26.1	29.8	33.4
1600	6.8	8.0	9.1	10.2	11.3	12.4	13.5	14.6	15.7	16.8	19.0	21.1	25.3	29.5	33.6	37.7
1750	7.4	8.6	9.9	11.1	12.3	13.5	14.7	15.9	17.1	18.2	20.6	22.9	27.5	32.0	36.5	40.8
2000	8.4	9.7	11.1	12.5	13.9	15.2	16.6	17.9	19.3	20.6	23.2	25.8	31.0	36.1	41.1	45.9
2400	9.8	11.4	13.1	14.7	16.3	17.9	19.5	21.1	22.7	24.3	27.4	30.5	36.5	42.4	48.2	53.8
2800	11.2	13.1	15.0	16.9	18.7	20.6	22.4	24.2	26.0	27.8	31.4	34.9	41.8	48.5	54.9	61.2
3200	12.6	14.8	16.9	19.0	21.1	23.2	25.2	27.3	29.3	31.3	35.3	39.2	46.9	54.2	61.3	
3450	13.5	15.8	18.0	20.3	22.5	24.8	27.0	29.1	31.3	33.5	37.7	41.9	50.0	57.7	65.1	
4000	15.3	17.9	20.5	23.1	25.6	28.2	30.7	33.1	35.6	38.0	42.8	47.4	56.4			
4500	16.9	19.8	22.7	25.5	28.4	31.1	33.9	36.6	39.3	42.0	47.2	52.2				
5000	18.5	21.7	24.8	27.9	31.0	34.0	37.0	40.0	42.9	45.7	51.3	56.7				
5500	20.0	23.5	26.9	30.2	33.6	36.8	40.0	43.2	46.3	49.3	55.3					

8M-30	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
RPM	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
Small Shaft	2.21	2.41	2.61	2.81	3.01	3.21	3.41	3.61	3.81	4.01	4.44	4.81	5.61	6.42	7.22	8.02
10	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.5
20	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0
40	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.3	1.5	1.7	1.9
60	0.5	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.2	1.3	1.4	1.6	1.9	2.2	2.5	2.8
100	0.9	1.0	1.1	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.3	2.5	3.0	3.5	4.0	4.5
200	1.6	1.9	2.1	2.4	2.6	2.9	3.1	3.4	3.6	3.8	4.3	4.8	5.8	6.7	7.6	8.6
300	2.4	2.7	3.1	3.5	3.8	4.2	4.5	4.9	5.3	5.6	6.3	7.0	8.4	9.8	11.2	12.5
400	3.1	3.6	4.0	4.5	5.0	5.5	5.9	6.4	6.9	7.3	8.3	9.2	11.0	12.8	14.6	16.4
500	3.8	4.4	5.0	5.5	6.1	6.7	7.3	7.9	8.5	9.0	10.2	11.3	13.6	15.8	18.0	20.2
600	4.5	5.2	5.9	6.6	7.3	7.9	8.6	9.3	10.0	10.7	12.0	13.4	16.1	18.7	21.4	24.0
700	5.1	5.9	6.7	7.5	8.4	9.2	10.0	10.7	11.5	12.3	13.9	15.5	18.6	21.6	24.7	27.7
800	5.8	6.7	7.6	8.5	9.4	10.3	11.2	12.1	13.0	13.9	15.7	17.5	21.0	24.5	27.9	31.4
870	6.2	7.2	8.2	9.2	10.2	11.2	12.2	13.1	14.1	15.1	17.0	18.9	22.7	26.5	30.2	33.9
1000	7.1	8.2	9.3	10.5	11.6	12.7	13.8	14.9	16.0	17.1	19.3	21.5	25.8	30.1	34.3	38.5
1160	8.1	9.4	10.7	12.0	13.3	14.5	15.8	17.1	18.4	19.6	22.2	24.7	29.6	34.5	39.4	44.2
1200	8.3	9.7	11.0	12.3	13.7	15.0	16.3	17.6	19.0	20.3	22.9	25.4	30.6	35.6	40.6	45.6
1400	9.5	11.1	12.7	14.2	15.7	17.3	18.8	20.3	21.8	23.3	26.3	29.3	35.2	41.0	46.8	52.4
1600	10.8	12.5	14.3	16.0	17.8	19.5	21.2	23.0	24.7	26.4	29.8	33.1	39.8	46.3	52.8	59.1
1750	11.6	13.6	15.5	17.4	19.3	21.2	23.0	24.9	26.8	28.6	32.3	36.0	43.2	50.3	57.2	64.1
2000	13.1	15.3	17.5	19.6	21.8	23.9	26.0	28.1	30.2	32.3	36.5	40.6	48.7	56.7	64.5	72.1
2400	15.4	18.0	20.5	23.1	25.6	28.1	30.7	33.1	35.6	38.1	43.0	47.8	57.3	66.6	75.6	84.4
2800	17.6	20.6	23.6	26.5	29.4	32.3	35.2	38.0	40.9	43.7	49.3	54.8	65.6	76.1	86.2	96.0
3200	19.8	23.2	26.5	29.8	33.1	36.4	39.6	42.8	46.0	49.2	55.4	61.6	73.6	85.2	96.2	
3450	21.1	24.7	28.3	31.9	35.4	38.9	42.3	45.8	49.2	52.5	59.2	65.7	78.4	90.6	102.2	
4000	24.0	28.1	32.2	36.2	40.3	44.2	48.1	52.0	55.9	59.7	67.1	74.5	88.5			
4500	26.6	31.1	35.6	40.1	44.5	48.9	53.2	57.5	61.7	65.9	74.0	82.0				
5000	29.0	34.0	39.0	43.8	48.7	53.4	58.1	62.8	67.3	71.8	80.6	89.1				
5500	31.4	36.8	42.2	47.5	52.7	57.8	62.9	67.8	72.7	77.5	86.8					

Operation in shaded area will result in a reduction of belt life.

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DODGE

HT200 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

8M-50	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
RPM	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
Small Shaft	2.21	2.41	2.61	2.81	3.01	3.21	3.41	3.61	3.81	4.01	4.44	4.81	5.61	6.42	7.22	8.02
10	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.9
20	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.9	1.0	1.1	1.3	1.5	1.7
40	0.7	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.7	1.9	2.2	2.6	2.9	3.3
60	0.9	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0	2.2	2.4	2.7	3.2	3.8	4.3	4.8
100	1.5	1.7	2.0	2.2	2.4	2.6	2.8	3.1	3.3	3.5	3.9	4.4	5.2	6.1	6.9	7.8
200	2.9	3.3	3.7	4.1	4.6	5.0	5.4	5.8	6.3	6.7	7.5	8.4	10.0	11.7	13.3	14.9
300	4.1	4.8	5.4	6.0	6.7	7.23	7.9	8.5	9.2	9.8	11.0	12.2	14.6	17.0	19.4	21.8
400	5.4	6.2	7.0	7.9	8.7	9.5	10.3	11.1	11.9	12.7	14.4	16.0	19.2	22.3	25.5	28.6
500	6.6	7.6	8.6	9.6	10.7	11.7	12.7	13.7	14.7	15.7	17.7	19.7	23.6	27.5	31.4	35.2
600	7.7	9.0	10.2	11.4	12.6	13.8	15.0	16.2	17.4	18.6	20.9	23.3	28.0	32.6	37.2	41.7
700	8.9	10.3	11.7	13.1	14.5	15.9	17.3	18.7	20.1	21.4	24.2	26.9	32.3	37.6	42.9	48.2
800	10.0	11.6	13.2	14.8	16.4	18.0	19.6	21.1	22.7	24.2	27.3	30.4	36.5	42.6	48.6	54.5
870	10.8	12.6	14.3	16.0	17.7	19.4	21.1	22.8	24.5	26.2	29.5	32.9	39.5	46.0	52.5	58.9
1000	12.3	14.2	16.2	18.2	20.1	22.1	24.0	25.9	27.9	29.8	33.6	37.4	44.9	52.4	59.7	67.0
1160	14.0	16.3	18.6	20.8	23.1	25.3	27.5	29.7	32.0	34.1	38.5	42.9	51.5	60.0	68.5	76.8
1200	14.4	16.8	19.1	21.5	23.8	26.1	28.4	30.7	33.0	35.2	39.8	44.2	53.1	61.9	70.6	79.2
1400	16.6	19.3	22.0	24.7	27.4	30.0	32.7	35.3	38.0	40.6	45.8	51.0	61.2	71.3	81.3	91.2
1600	18.7	21.8	24.8	27.9	30.9	33.9	36.9	39.9	42.9	45.9	51.8	57.6	69.2	80.6	91.8	102.9
1750	20.2	23.6	26.9	30.2	33.5	36.8	40.1	43.3	46.6	49.8	56.2	62.5	75.0	87.4	99.5	111.4
2000	22.8	26.6	30.3	34.1	37.8	41.5	45.2	48.9	52.6	56.2	63.4	70.6	84.7	98.5	112.1	125.4
2400	26.8	31.3	35.7	40.2	44.6	48.9	53.3	57.6	62.0	66.2	74.7	83.1	99.7	115.8	131.5	146.8
2800	30.7	35.8	41.0	46.1	51.2	56.2	61.2	66.2	71.1	76.0	85.7	95.3	114.1	132.3	149.9	166.9
3200	34.4	40.3	46.1	51.9	57.6	63.2	68.9	74.5	80.0	85.5	96.4	107.1	128.0	148.1	167.4	
3450	36.8	43.0	49.2	55.4	61.5	67.6	73.6	79.6	85.5	91.3	102.9	114.3	136.4	157.5	177.7	
4000	41.8	48.9	56.0	63.0	70.0	76.9	83.7	90.4	97.1	103.7	116.8	129.5	154.0			
4500	46.2	54.1	62.0	69.7	77.4	85.0	92.6	100.0	107.3	114.5	128.7	142.5				
5000	50.5	59.1	67.8	76.2	84.7	92.9	101.1	109.1	117.1	124.9	140.1	154.9				
5500	54.6	64.0	73.4	82.5	91.6	100.5	109.3	117.9	126.4	134.7	150.9					

8M-85	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
RPM	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
Small Shaft	2.21	2.41	2.61	2.81	3.01	3.21	3.41	3.61	3.81	4.01	4.44	4.81	5.61	6.42	7.22	8.02
10	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.9	1.0	1.2	1.4	1.5
20	0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.3	1.5	1.7	2.0	2.3	2.6	3.0
40	1.1	1.3	1.5	1.6	1.8	1.9	2.1	2.3	2.4	2.6	2.9	3.2	3.8	4.5	5.1	5.7
60	1.6	1.9	2.1	2.4	2.6	2.8	3.1	3.3	3.5	3.8	4.2	4.7	5.6	6.5	7.4	8.3
100	2.6	3.0	3.4	3.8	4.2	4.6	4.9	5.3	5.7	6.1	6.8	7.6	9.1	10.6	12.0	13.5
200	5.0	5.7	6.5	7.2	8.0	8.7	9.4	10.2	10.9	11.6	13.1	14.5	17.4	20.3	23.1	25.9
300	7.2	8.3	9.4	10.5	11.6	12.7	13.7	14.8	15.9	17.0	19.1	21.2	25.5	29.7	33.8	38.0
400	9.3	10.8	12.2	13.7	15.1	16.5	17.9	19.4	20.8	22.2	25.0	27.8	33.3	38.8	44.3	49.7
500	11.4	13.2	15.0	16.8	18.5	20.3	22.1	23.8	25.6	27.3	30.8	34.2	41.0	47.8	54.6	61.2
600	13.5	15.6	17.7	19.8	21.9	24.0	26.1	28.2	30.3	32.3	36.4	40.5	48.6	56.7	64.7	72.6
700	15.5	17.9	20.4	22.8	25.3	27.7	30.1	32.5	34.9	37.3	42.0	46.8	56.1	65.4	74.7	83.8
800	17.5	20.2	23.0	25.8	28.6	31.3	34.0	36.8	39.5	42.2	47.6	52.9	63.6	74.1	84.5	94.9
870	18.8	21.8	24.9	27.8	30.8	33.8	36.8	39.7	42.7	45.6	51.4	57.2	68.7	80.1	91.4	102.5
1000	21.3	24.8	28.2	31.6	35.0	38.4	41.8	45.1	48.5	51.8	58.5	65.1	78.2	91.1	103.9	116.6
1160	24.4	28.3	32.3	36.2	40.1	44.0	47.9	51.7	55.6	59.4	67.0	74.6	89.6	104.5	119.1	133.6
1200	25.1	29.2	33.3	37.3	41.4	45.4	49.4	53.4	57.4	61.3	69.2	77.0	92.5	107.8	122.9	137.8
1400	28.9	33.6	38.3	43.0	47.6	52.3	56.9	61.5	66.1	70.6	79.7	88.7	106.5	124.1	141.5	158.6
1600	32.5	37.9	43.2	48.5	53.8	59.0	64.3	69.4	74.6	79.8	90.1	100.2	120.4	140.2	159.7	179.0
1750	35.2	41.0	46.8	52.6	58.3	64.0	69.7	75.4	81.0	86.6	97.7	108.8	130.6	152.0	173.1	193.9
2000	39.6	46.2	52.8	59.3	65.8	72.3	78.7	85.1	91.4	97.8	110.3	122.8	147.3	171.4	195.0	218.2
2400	46.6	54.4	62.2	69.9	77.6	85.2	92.8	100.3	107.8	115.2	130.0	144.6	173.4	201.4	228.8	255.4
2800	53.3	62.3	71.3	80.2	89.0	97.8	106.5	115.1	123.7	132.3	149.2	165.9	198.5	230.2	260.9	290.5
3200	59.9	70.1	80.2	90.2	100.2	110.0	119.9	129.6	139.3	148.8	167.7	186.4	222.7	257.6	291.2	
3450	64.0	74.9	85.7	96.4	107.0	117.6	128.1	138.4	148.7	158.9	179.1	198.8	237.3	274.1	309.1	
4000	72.7	85.1	97.5	109.6	121.8	133.7	145.6	157.4	169.0	180.5	203.1	225.3	267.9			
4500	80.3	94.1	107.8	121.3	134.7	147.9	161.0	173.9	186.7	199.3	224.0	248.0				
5000	87.8	102.9	117.9	132.7	147.3	161.7	175.9	189.9	203.7	217.3	243.8	269.4				
5500	95.0	111.4	127.7	143.6	159.4	174.9	190.2	205.2	220.0	234.4	262.5					

Operation in shaded area will result in a reduction of belt life.

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SELECTION

HT200 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

14M-40	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																
RPM	**28**	**29**	**30**	**32**	**34**	**36**	**38**	**40**	**44**	**48**	**52**	**56**	**60**	**64**	**68**	**72**	**80**
Small Shaft	**4.91**	**5.09**	**5.26**	**5.61**	**5.97**	**6.32**	**6.67**	**7.02**	**7.72**	**8.42**	**9.12**	**9.83**	**10.53**	**11.23**	**11.93**	**12.63**	**14.04**
10	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
20	1.1	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.1	2.3	2.4	2.6	2.8	2.9	3.3
40	2.2	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.4	3.7	4.0	4.3	4.6	5.0	5.3	5.6	6.2
60	3.2	3.4	3.5	3.7	3.9	4.2	4.4	4.6	5.1	5.6	6.0	6.5	7.0	7.4	7.9	8.4	9.3
100	5.4	5.6	5.8	6.2	6.6	7.0	7.4	7.7	8.5	9.3	10.0	10.8	11.6	12.4	13.1	13.9	15.5
200	10.1	10.5	10.9	11.8	12.7	13.5	14.4	15.3	17.0	18.5	20.1	21.6	23.2	24.7	26.3	27.8	30.9
300	13.6	14.2	14.8	15.9	17.2	18.3	19.6	20.8	23.2	25.7	28.3	30.9	33.5	36.1	38.8	41.5	46.3
400	16.9	17.6	18.3	19.8	21.3	22.7	24.2	25.8	28.8	31.9	35.0	38.3	41.5	44.8	48.1	51.4	58.2
500	20.0	20.8	21.7	23.4	25.1	26.9	28.6	30.4	34.01	37.7	41.4	45.2	49.0	52.8	56.7	60.6	68.6
600	22.9	23.9	24.8	26.8	28.8	30.8	32.8	34.8	39.0	43.1	47.4	51.7	56.1	60.4	64.9	69.3	78.4
700	25.7	26.8	27.8	30.0	32.3	34.5	36.8	39.1	43.7	48.3	53.1	57.9	62.8	67.7	72.6	77.6	87.7
800	28.4	29.6	30.7	33.2	35.7	38.1	40.6	43.1	48.2	53.3	58.5	63.9	69.2	74.6	80.0	85.4	96.4
870	30.2	31.5	32.7	35.3	38.0	40.6	43.2	45.9	51.3	56.7	62.2	67.9	73.5	79.2	85.0	90.6	102.3
1000	33.5	34.9	36.3	39.3	42.3	45.3	48.3	51.2	57.1	62.8	68.8	75.0	81.2	87.4	94.0	99.9	112.6
1160	37.7	39.4	41.1	44.6	48.0	51.4	54.8	58.1	64.7	71.2	77.6	84.0	90.2	96.9	103.7	110.6	124.3
1200	38.7	40.6	42.3	45.9	49.4	52.9	56.4	59.8	66.6	73.3	79.9	86.4	92.8	99.2	106.1	113.1	127.1
1400	44.1	46.2	48.2	52.3	56.3	60.3	64.2	68.1	75.8	83.4	90.8	98.1	105.3	112.3	119.2	126.0	139.9
1600	49.3	51.6	53.9	58.4	62.9	67.3	71.7	76.1	84.7	93.1	101.3	109.4	117.2	125.0	132.5	139.8	154.0
1750	53.1	55.5	58.0	62.9	67.7	72.5	77.2	81.9	91.1	100.1	108.9	117.4	125.8	134.0	141.9	149.6	164.3
2000	59.2	61.9	64.7	70.1	75.5	80.8	86.1	91.3	101.4	111.3	120.9	130.2	139.3	148.0	156.5		
2400	68.5	71.7	74.9	81.2	87.3	93.4	99.4	105.3	116.8	127.9	138.6	148.8					
2800	77.3	80.9	84.4	91.5	98.4	105.2	111.8	118.3	130.9	142.9							
3200	85.5	89.5	93.4	101.1	108.6	116.0	123.2	130.1	143.5								
3600	93.2	97.5	101.7	110.0	118.1	125.9	133.5										
4000	100.4	105.0	109.5	118.2	126.7	134.8											

14M-55	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																
RPM	**28**	**29**	**30**	**32**	**34**	**36**	**38**	**40**	**44**	**48**	**52**	**56**	**60**	**64**	**68**	**72**	**80**
Small Shaft	**4.91**	**5.09**	**5.26**	**5.61**	**5.97**	**6.32**	**6.67**	**7.02**	**7.72**	**8.42**	**9.12**	**9.83**	**10.53**	**11.23**	**11.93**	**12.63**	**14.04**
10	0.8	0.9	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.6
20	1.6	1.6	1.7	1.8	2.0	2.1	2.2	2.4	2.6	2.9	3.1	3.4	3.6	3.9	4.1	4.4	4.9
40	3.1	3.2	3.3	3.6	3.8	4.0	4.2	4.5	4.9	5.4	5.9	6.4	6.8	7.3	7.8	8.2	9.2
60	4.7	4.8	5.0	5.3	5.7	6.0	6.4	6.7	7.4	8.0	8.7	9.4	10.0	10.7	11.4	12.0	13.4
100	7.8	8.1	8.3	8.9	9.5	10.0	10.6	11.1	12.3	13.4	14.5	15.6	16.7	17.8	18.9	20.0	22.3
200	14.5	15.1	15.7	17.0	18.2	19.5	20.8	22.1	24.5	26.7	28.9	31.2	33.4	35.6	37.8	40.1	44.5
300	19.6	20.5	21.3	23.0	24.7	26.4	28.2	29.9	33.5	37.1	40.7	44.5	48.2	52.0	55.9	59.7	66.7
400	24.3	25.4	26.4	28.4	30.6	32.8	34.9	37.1	41.5	46.0	50.5	55.4	59.8	64.5	69.2	74.0	83.8
500	28.8	30.0	31.2	33.7	36.2	38.7	41.3	43.8	49.0	54.3	59.6	65.1	70.6	76.1	81.7	87.3	98.9
600	33.0	34.4	35.8	38.6	41.5	44.4	47.3	50.2	56.2	62.2	68.3	74.5	80.8	87.1	93.5	99.9	113.0
700	37.0	38.6	40.1	43.3	46.5	49.8	53.0	56.3	62.9	69.7	76.5	83.5	90.5	97.5	104.6	111.8	126.4
800	41.2	43.1	45.0	48.7	52.4	56.1	59.8	63.5	70.7	77.8	84.8	92.1	99.7	107.5	115.2	123.1	139.0
870	44.2	46.3	48.3	52.4	56.4	60.3	64.3	68.2	76.0	83.6	91.2	98.7	106.0	114.2	122.4	130.7	147.5
1000	49.8	52.1	54.4	59.0	63.5	68.0	72.4	76.9	85.6	94.2	102.7	111.1	119.4	127.6	135.6	144.1	162.5
1160	56.5	59.1	61.7	66.9	72.0	77.1	82.2	87.2	97.1	106.9	116.5	125.9	135.3	144.5	153.5	162.4	179.8
1200	58.1	60.8	63.5	68.8	74.1	79.4	84.6	89.7	99.9	110.0	119.8	129.6	139.1	148.6	157.8	167.0	184.8
1400	66.1	69.2	72.3	78.4	84.4	90.4	96.3	102.2	113.7	125.1	136.2	147.2	158.0	168.5	178.9	189.0	208.7
1600	73.9	77.4	80.8	87.6	94.3	101.0	107.6	114.2	127.0	139.6	152.0	164.0	175.9	187.4	198.7	209.7	231.0
1750	79.6	83.3	87.0	94.3	101.6	108.8	115.9	122.9	136.7	150.1	163.3	176.2	188.7	200.9	212.8	224.4	246.5
2000	88.7	92.9	97.0	105.2	113.3	121.3	129.1	136.9	152.1	166.9	181.3	195.3	208.9	222.0	234.7		
2400	102.7	107.5	112.3	121.7	131.0	140.2	149.1	158.0	175.2	191.9	207.9	223.3					
2800	115.9	121.3	126.7	137.2	147.6	157.7	167.7	177.5	196.3	214.3							
3200	128.3	134.2	140.1	151.7	163.0	174.0	184.7	195.2	215.3								
3600	139.8	146.3	152.6	165.0	177.1	188.8	200.2										
4000	150.6	157.5	164.2	177.3	190.0	202.2											

Operation in shaded area will result in a reduction of belt life

HT200 Basic Horsepower Rating

14M-85	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																
RPM Small Shaft	28 4.91	29 5.09	30 5.26	32 5.61	34 5.97	36 6.32	38 6.67	40 7.02	44 7.72	48 8.42	52 9.12	56 9.82	60 10.53	64 11.23	68 11.93	72 12.63	80 14.04
10	1.4	1.5	1.5	1.6	1.7	1.9	2.0	2.1	2.3	2.5	2.8	3.0	3.2	3.4	3.6	3.9	4.3
20	2.6	2.7	2.8	3.1	3.3	3.5	3.7	3.9	4.4	4.8	5.2	5.6	6.1	6.5	6.9	7.3	8.1
40	4.9	5.1	5.3	5.7	6.1	6.6	7.0	7.4	8.2	9.0	9.8	10.6	11.4	12.2	13.0	13.7	15.3
60	7.0	7.3	7.6	8.3	8.9	9.5	10.0	10.6	11.8	13.0	14.1	15.3	16.4	17.6	18.7	19.8	22.1
100	11.1	11.6	12.1	13.0	14.0	15.0	15.9	16.8	18.7	20.6	22.4	24.3	26.1	27.9	29.7	31.5	35.0
200	20.5	21.5	22.4	24.2	26.0	27.8	29.5	31.3	34.8	38.3	41.7	45.2	48.6	51.9	55.3	58.6	65.2
300	29.3	30.7	32.0	34.6	37.2	39.7	42.3	44.8	49.9	54.9	59.9	64.8	69.7	74.5	79.3	84.1	93.6
400	37.7	39.4	41.1	44.5	47.8	51.2	54.5	57.8	64.3	70.8	77.2	83.6	89.9	96.1	102.3	108.5	120.7
500	45.8	47.9	49.9	54.1	58.2	62.2	66.3	70.3	78.3	86.1	93.9	101.7	109.3	116.9	124.5	131.9	146.7
600	53.6	56.1	58.5	63.3	68.2	72.9	77.7	82.4	91.8	101.0	110.2	119.2	128.2	137.1	145.9	154.7	171.9
800	68.6	71.8	74.9	81.2	87.4	93.6	99.7	105.8	117.8	129.6	141.4	153.0	164.5	175.8	187.1	198.2	220.1
870	73.7	77.2	80.5	87.3	93.9	100.6	107.1	113.7	126.6	139.4	152.0	164.4	176.7	188.9	200.9	212.8	236.2
1000	83.0	86.9	90.7	98.3	105.8	113.3	120.7	128.1	142.7	157.0	171.2	185.2	199.0	212.6	226.1	239.3	265.4
1160	94.1	98.5	102.9	111.5	120.1	128.6	137.0	145.3	161.9	178.1	194.1	209.9	225.4	240.8	255.8	270.7	299.7
1200	96.9	101.4	105.8	114.7	123.6	132.3	141.0	149.6	166.6	183.3	199.7	215.9	231.9	247.6	263.1	278.3	308.0
1400	110.2	115.4	120.5	130.6	140.7	150.6	160.5	170.3	189.6	208.5	227.1	245.3	263.3	280.9	298.1	315.1	347.9
1600	123.2	129.0	134.7	146.0	157.2	168.4	179.4	190.3	211.7	232.7	253.3	273.4	293.1	312.4	331.2	349.6	385.0
1750	132.6	138.8	145.0	157.2	169.3	181.3	193.1	204.8	227.8	250.2	272.2	293.6	314.5	334.9	354.7	374.0	410.8
2000	147.9	154.9	161.7	175.3	188.8	202.1	215.2	228.1	253.5	278.2	302.2	325.6	348.2	370.1	391.2		
2400	171.2	179.2	187.2	202.9	218.4	233.6	248.6	263.3	292.1	319.8	346.5	372.1					
2800	193.2	202.2	211.1	228.7	246.0	262.9	279.5	295.8	327.2	357.2							
3200	213.8	223.7	233.5	252.8	271.6	290.0	307.9	325.4	358.8								
3600	233.1	243.8	254.4	275.1	295.2	314.7	333.7										
4000	251.0	262.4	273.6	295.5	316.7	337.1											

14M-115	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																
RPM Small Shaft	28 4.91	29 5.09	30 5.26	32 5.61	34 5.97	36 6.32	38 6.67	40 7.02	44 7.72	48 8.42	52 9.12	56 9.82	60 10.53	64 11.23	68 11.93	72 12.63	80 14.04
10	1.9	2.0	2.1	2.3	2.4	2.6	2.8	2.9	3.2	3.6	3.9	4.2	4.5	4.8	5.1	5.4	6.0
20	3.7	3.8	4.0	4.3	4.6	4.9	5.2	5.5	6.1	6.7	7.3	7.9	8.5	9.1	9.6	10.2	11.4
40	6.8	7.1	7.4	8.0	8.6	9.2	9.8	10.3	11.5	12.6	13.7	14.8	15.9	17.0	18.1	19.2	21.4
60	9.9	10.3	10.7	11.5	12.4	13.2	14.1	14.9	16.5	18.2	19.8	21.4	23.0	24.6	26.2	27.8	30.9
100	15.5	16.2	16.9	18.3	19.6	20.9	22.3	23.6	26.2	28.8	31.4	34.0	36.5	39.1	41.6	44.1	49.0
200	28.8	30.0	31.3	33.8	36.4	38.9	41.3	43.8	48.7	53.6	58.4	63.2	68.0	72.7	77.4	82.1	91.3
300	41.1	42.9	44.7	48.4	52.0	55.6	59.2	62.8	69.9	76.9	83.8	90.7	97.5	104.3	111.1	117.8	131.0
400	52.8	55.2	57.6	62.3	67.0	71.7	76.3	80.9	90.1	99.1	108.1	117.0	125.8	134.6	143.2	151.8	168.9
500	64.1	67.0	69.9	75.7	81.4	87.1	92.8	98.4	109.6	120.6	131.5	142.3	153.1	163.7	174.2	184.7	205.4
600	75.1	78.5	81.9	88.7	95.4	102.1	108.8	115.4	128.5	141.4	154.2	166.9	179.5	192.0	204.3	216.5	240.7
800	96.1	100.5	104.9	113.7	122.4	131.0	139.5	148.1	164.9	181.5	197.9	214.2	230.3	246.2	261.9	277.4	308.1
870	103.2	108.0	112.7	122.2	131.5	140.8	150.0	159.1	177.3	195.1	212.8	230.2	247.4	264.5	281.3	298.0	330.7
1000	116.2	121.6	127.0	137.6	148.2	158.6	169.0	179.3	199.7	219.8	239.7	259.2	278.6	297.7	316.5	335.1	371.6
1160	131.8	137.9	144.0	156.1	168.1	180.0	191.8	203.5	226.6	249.3	271.8	293.8	315.6	337.1	358.1	379.0	419.6
1200	135.6	141.9	148.2	160.6	173.0	185.2	197.4	209.4	233.2	256.6	279.6	302.3	324.7	346.7	368.3	389.6	431.2
1400	154.3	161.5	168.7	182.9	197.0	210.9	224.7	238.4	265.4	291.9	317.9	343.5	368.6	393.2	417.4	441.1	487.1
1600	172.5	180.5	188.5	204.4	220.1	235.7	251.1	266.4	296.4	325.8	354.6	382.8	410.4	437.4	463.7	489.4	538.9
1750	185.7	194.4	203.0	220.1	237.0	253.8	270.3	286.7	318.9	350.3	381.0	411.0	440.3	468.8	496.6	523.5	575.1
2000	207.1	216.8	226.4	245.5	264.3	282.9	301.3	319.4	354.9	389.5	423.1	455.8	487.4	518.1	547.7		
2400	239.7	250.9	262.0	284.0	305.7	327.0	348.0	368.7	408.9	447.7	485.1	521.0					
2800	270.4	283.1	295.5	320.2	344.4	368.1	391.3	414.1	458.1	500.1							
3200	299.3	313.2	326.9	353.9	380.2	406.0	431.1	455.5	502.4								
3600	326.3	341.3	356.1	385.1	413.3	440.6	467.1										
4000	351.4	367.4	383.1	413.7	443.3	471.9											

Operation in shaded area will result in a reduction of belt life.

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SELECTION

HT200 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

14M-170	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																
RPM Small Shaft	28 4.91	29 5.09	30 5.26	32 5.61	34 5.97	36 6.32	38 6.67	40 7.02	44 7.72	48 8.42	52 9.12	56 9.82	60 10.53	64 11.23	68 11.93	72 12.63	80 14.04
10	3.0	3.1	3.2	3.5	3.7	3.9	4.2	4.4	4.9	5.4	5.9	6.4	6.8	7.3	7.8	8.2	9.2
20	5.6	5.8	6.0	6.5	7.0	7.4	7.9	8.4	9.3	10.2	11.1	12.0	12.9	13.8	14.6	15.5	17.3
40	10.4	10.8	11.3	12.2	13.1	13.9	14.8	15.7	17.4	19.1	20.8	22.5	24.2	25.9	27.6	29.2	32.5
60	15.0	15.6	16.3	17.6	18.8	20.1	21.4	22.6	25.1	27.6	30.1	32.6	35.0	37.4	39.8	42.2	47.0
100	23.6	24.7	25.7	27.8	29.8	31.8	33.8	35.9	39.8	43.8	47.7	51.6	55.5	59.4	63.2	67.0	74.5
200	43.7	45.6	47.6	51.4	55.3	59.1	62.8	66.6	74.1	81.5	88.8	96.1	103.4	110.5	117.7	124.8	138.8
300	62.4	65.2	68.0	73.6	79.1	84.6	90.0	95.4	106.2	116.8	127.4	137.9	148.3	158.6	168.8	179.0	199.1
400	80.3	83.9	87.5	94.7	101.8	108.9	116.0	123.0	136.9	150.6	164.3	177.8	191.2	204.5	217.7	230.8	256.8
500	97.4	101.9	106.3	115.0	123.8	132.4	141.0	149.6	166.5	183.3	199.9	216.3	232.7	248.8	264.8	280.8	312.2
600	114.1	119.3	124.5	134.8	145.0	155.2	165.3	175.4	195.3	214.9	234.4	253.7	272.8	291.8	310.5	329.1	365.9
800	146.1	152.8	159.5	172.8	186.0	199.1	212.1	225.0	250.6	275.9	300.9	325.6	350.0	374.2	398.0	421.7	468.3
870	156.9	164.2	171.4	185.7	199.9	214.0	228.0	241.9	269.4	296.6	323.4	349.9	376.1	402.0	427.6	452.9	502.7
1000	176.7	184.9	193.0	209.2	225.2	241.1	256.9	272.6	303.6	334.1	364.3	394.1	423.4	452.4	481.0	509.3	564.8
1160	200.3	209.7	218.9	237.3	255.5	273.6	291.5	309.3	344.4	379.0	413.1	446.7	479.7	512.3	544.4	576.0	637.8
1200	206.1	215.7	225.2	244.2	262.9	281.6	300.0	318.3	354.4	390.0	425.0	459.5	493.5	526.9	559.8	592.2	655.5
1400	234.6	245.5	256.4	278.0	299.4	320.6	341.6	362.4	403.4	443.6	483.2	522.1	560.2	597.7	634.4	670.4	740.4
1600	262.1	274.4	286.6	310.7	334.6	358.3	381.7	404.9	450.5	495.2	539.0	581.8	623.8	664.8	704.8	743.9	819.2
1750	282.2	295.5	308.6	334.6	360.3	385.8	410.9	435.8	484.7	532.5	579.2	624.8	669.3	712.6	754.8	795.8	874.2
2000	314.7	329.5	344.1	373.1	401.8	430.0	457.9	485.5	539.5	592.0	643.1	692.8	740.9	787.5	832.4		
2400	364.3	381.4	398.3	431.7	464.7	497.1	529.0	560.3	621.5	680.5	737.3	791.9					
2800	411.0	430.3	449.2	486.7	523.4	559.5	594.8	629.4	696.3	760.1							
3200	454.9	476.1	496.9	537.9	578.0	617.1	655.2	692.4	763.6								
3600	496.0	518.8	541.3	585.3	628.2	669.7	710.0										
4000	534.2	558.5	582.3	628.9	673.9	717.3											

Operation in shaded area will result in a reduction of belt life.

HT100 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

5M-15	Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter, Inches)													
RPM Small Shaft	32 2.0	34 2.1	36 2.3	38 2.38	40 2.5	44 2.8	45 2.8	48 3.0	50 3.1	52 3.3	56 3.5	60 3.8	64 4.0	68 4.2
10	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
60	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4
100	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6
200	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.6	1.0	1.0	1.1
300	0.6	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.6
400	0.8	0.9	1.0	1.0	1.1	1.3	1.3	1.4	1.5	1.5	1.7	1.8	1.9	2.1
500	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.2	2.4	2.5
600	1.2	1.3	1.4	1.5	1.6	1.8	1.8	2.0	2.1	2.2	2.4	2.6	2.8	3.0
800	1.5	1.6	1.8	1.9	2.1	2.3	2.4	2.6	2.7	2.8	3.1	3.4	3.6	3.9
1000	1.8	2.0	2.2	2.3	2.5	2.8	2.9	3.1	3.3	3.5	3.8	4.1	4.4	4.7
1200	2.1	2.3	2.5	2.7	2.9	3.3	3.4	3.7	3.9	4.1	4.4	4.8	5.2	5.6
1400	2.4	2.7	2.9	3.1	3.3	3.8	3.9	4.2	4.4	4.7	5.1	5.5	5.9	6.3
1600	2.7	3.0	3.3	3.5	3.8	4.3	4.4	4.7	5.0	5.2	5.7	6.2	6.7	7.1
1800	3.0	3.3	3.6	3.9	4.2	4.7	4.8	5.3	5.5	5.8	6.3	6.9	7.4	7.9
2000	3.3	3.6	3.9	4.2	4.6	5.2	5.3	5.8	6.1	6.3	6.9	7.5	8.1	8.6
2400	3.9	4.2	4.6	5.0	5.3	6.0	6.2	6.7	7.1	7.4	8.1	8.8	9.4	10.1
2800	4.4	4.8	5.2	5.6	6.0	6.9	7.1	7.6	8.0	8.4	9.2	10.0	10.7	11.4
3200	4.9	5.4	5.8	6.3	6.6	7.7	7.9	8.5	9.0	9.4	10.2	11.1	11.9	12.7
3600	5.4	5.9	6.4	6.9	7.4	8.4	8.7	9.4	10.0	10.3	11.3	12.2	13.0	13.9
4000	5.9	6.4	7.0	7.5	8.1	9.2	9.4	10.2	10.7	11.2	12.2	13.2	14.1	15.0
5000	7.0	7.7	8.3	9.0	9.6	10.9	11.2	12.1	12.6	13.2	14.3	15.4	16.4	17.4
6000	8.0	8.8	9.5	10.2	11.0	12.3	12.7	13.7	14.3	14.9	16.1	17.1	18.1	
8000	9.7	10.6	11.5	12.3	13.1	14.6	14.9	15.9	16.6					
10000	10.9	11.8	12.7	13.6	14.4									
12000	11.5													
14000														

5M-25	Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter, Inches)													
RPM Small Shaft	32 2.0	34 2.1	36 2.3	38 2.38	40 2.5	44 2.8	45 2.8	48 3.0	50 3.1	52 3.3	56 3.5	60 3.8	64 4.0	68 4.2
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.22
40	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.42
60	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.62
100	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.9	0.9	0.98
200	0.7	0.8	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.85
300	1.1	1.2	1.2	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.5	2.67
400	1.4	1.5	1.6	1.7	1.8	2.1	2.1	2.3	2.4	2.6	2.8	3.0	3.2	3.47
500	1.7	1.8	2.0	2.1	2.3	2.5	2.6	2.8	3.0	3.1	3.4	3.7	4.0	4.24
600	2.0	2.1	2.3	2.5	2.6	3.0	3.1	3.3	3.5	3.7	4.0	4.3	4.7	4.99
800	2.5	2.7	3.0	3.2	3.4	3.9	4.0	4.3	4.5	4.7	5.2	5.6	6.0	6.46
1000	3.0	3.3	3.6	3.9	4.2	4.7	4.8	5.2	5.5	5.8	6.3	6.8	7.35	7.87
1200	3.6	3.9	4.2	4.6	4.9	5.5	5.7	6.2	6.5	6.8	7.4	8.0	8.64	9.25
1400	4.1	4.5	4.8	5.2	5.6	6.3	6.5	7.0	7.4	7.8	8.48	9.2	9.89	10.6
1600	4.6	5.0	5.4	5.8	6.3	7.9	7.3	7.9	8.3	8.7	9.5	10.3	11.1	11.9
1800	5.1	5.5	6.0	6.5	6.9	7.8	8.1	8.8	9.2	10.0	10.5	11.4	12.3	13.2
2000	5.5	6.0	6.6	7.1	7.6	8.6	8.8	9.6	10.	10.6	11.5	12.5	13.5	14.4
2400	6.4	7.0	7.7	8.3	8.9	10.0	10.3	11.2	11.8	12.3	13.5	14.6	15.7	16.8
2800	7.3	8.0	8.7	9.4	10.1	11.4	11.8	12.7	13.4	14.0	15.3	16.6	17.8	19.0
3200	8.2	9.0	9.7	10.5	11.3	12.8	13.1	14.2	14.9	15.7	17.1	18.5	19.8	21.2
3600	9.0	10.0	10.7	11.6	12.4	14.0	14.4	15.6	16.4	17.2	18.8	20.3	21.7	23.1
4000	10.0	10.7	11.7	12.6	13.5	15.3	15.7	17.0	17.9	18.7	20.3	21.9	23.5	25.0
5000	11.6	12.8	13.9	15.0	16.0	18.1	18.6	20.1	21.1	22.0	23.9	25.7	27.3	28.9
6000	13.3	14.6	15.9	17.1	18.3	20.6	21.1	22.8	23.8	24.8	26.8	28.6	30.2	
8000	16.1	17.6	19.1	20.5	21.8	24.3	24.9	26.6	27.6					
10000	18.2	19.7	21.2	22.6	23.9									
12000	19.2													
14000														

Shaded area indicates sprocket and RPM which can be used only if a reduction in belt life is allowable.

SELECTION

HT100 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

8M-20 RPM Small Shaft	HT100 Horsepower Rating–20MM Wide Belt (.79 in.) No. Teeth															
	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
10	0.02	0.03	0.03	0.04	0.04	0.1	0.06	0.06	0.07	0.1	0.1	0.1	0.1	0.1	0.1	0.2
20	0.04	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3
40	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6
60	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.8	0.9
100	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.9	1.1	1.2	1.4	1.5
200	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.3	1.4	1.5	1.7	1.8	2.1	2.3	2.6	2.8
300	0.7	0.7	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	3.0	3.4	3.7	4.1
400	0.9	1.0	1.1	1.3	1.6	1.8	2.1	2.3	2.6	2.8	3.1	34	3.8	4.3	4.8	5.3
500	1.1	1.2	1.4	1.6	1.9	2.2	2.5	2.9	3.2	3.5	3.8	4.1	4.7	5.3	5.9	6.4
600	1.3	1.4	1.6	1.9	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.8	5.5	6.2	6.9	7.6
700	1.5	1.7	1.9	2.2	2.6	3.0	3.4	3.9	4.3	4.7	5.1	5.5	6.3	7.1	7.9	8.6
800	1.8	1.9	2.1	2.5	2.9	3.4	3.8	4.4	4.9	5.9	5.8	6.2	7.1	8.0	8.9	9.7
870	1.9	2.8	2.3	2.7	3.1	3.6	4.1	4.7	5.3	5.7	6.2	6.7	7.7	8.6	9.5	10.4
1000	2.2	2.4	2.6	3.0	3.5	4.1	4.7	5.3	6.0	6.4	7.0	7.6	86	9.7	10.7	11.7
1160	2.5	2.8	3.0	3.5	4.0	4.7	5.3	6.0	6.8	7.3	8.0	8.6	9.8	11.0	12.2	13.3
1200	2.6	2.9	3.1	3.6	4.2	4.8	5.5	6.2	7.0	7.6	8.2	8.9	10.1	11.3	12.5	13.6
1400	3.1	3.3	3.6	4.1	4.8	5.5	6.3	7.1	8.6	8.6	9.4	10.1	11.5	12.9	14.2	15.5
1600	3.5	3.8	4.1	4.6	5.4	6.2	7.1	8.0	9.0	9.7	10.5	11.3	12.9	14.4	15.8	17.2
1750	3.8	4.2	4.5	5.0	5.8	6.7	7.6	8.6	9.7	10.5	11.4	12.2	13.9	15.5	17.0	18.4
2000	4.3	4.7	5.1	5.6	6.5	7.5	8.6	9.7	10.9	11.7	12.7	13.6	15.5	17.2	18.8	20.2
2400	5.2	5.7	6.1	7.0	7.6	8.7	10.0	11.3	12.7	13.6	14.8	15.8	17.8	19.7	21.3	22.8
2800	6.0	6.6	7.1	7.8	8.6	9.9	11.3	12.8	14.4	15.5	16.7	17.8	19.9	21.8	23.4	24.8
3200			8.0	8.8	9.6	11.1	12.6	14.2	16.0	17.2	18.5	19.7	21.8	23.7	25.1	
3500					10.4	11.9	13.5	15.3	17.1	18.4	19.7	20.9	23.1	24.8		
4000						13.1	14.9	16.9	18.9	20.2	21.6	22.8	24.8			
4500							16.2	18.3	20.4	21.9	23.2	24.3				
5000								19.6	21.9	23.3	24.6	25.5				
5500									23.05	24.6	25.6					
PD: MM	56.0	61.1	66.2	71.3	76.4	81.5	86.6	91.7	96.8	101.9	112.0	122.2	142.6	163.0	183.3	203.7
Inches	**2.21**	**2.41**	**2.61**	**2.81**	**3.01**	**3.21**	**3.41**	**3.61**	**3.81**	**4.01**	**4.41**	**4.81**	**5.61**	**6.42**	**7.22**	**8.02**

8M-30 RPM Small Sprocket	HT100 Horsepower Rating–30MM Wide Belt (1.18 in.) No. Teeth															
	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
10	0.03	0 04	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0 1	0.2	0.2	0.2
20	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5
40	0.1	0.12	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.7	0.8	0.9	1.0
60	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.9	1.0	1.2	1.3	1.4
100	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.7	2.0	2.2	2.4
200	0.7	0.8	0.9	1.1	1.3	1.5	1.7	2.0	2.2	2.4	2.6	2.8	3.3	3.7	4.1	4.5
300	1.0	1.1	1.4	1.6	1.9	2.2	2.5	2.9	3.2	3.5	3.8	4.1	4.7	5.3	5.9	6.5
400	1.4	1.5	1.8	2.1	2.5	2.8	3.3	3.7	4.2	4.5	4.9	5.3	6.1	6.8	7.6	8.3
500	1.7	1.9	2.3	2.6	3.0	3.5	4.0	4.5	5.1	5.5	6.0	6.5	7.4	8.3	9.3	10.2
600	2.1	2.3	2.6	3.0	3.5	4.1	4.7	5.3	6.0	6.5	7.0	7.6	8.7	9.8	10.9	11.9
700	2.4	2.6	2.9	3.5	4.1	4.7	5.4	6.1	6.8	7.4	8.1	8.7	10.0	11.2	12.4	13.6
800	2.8	3.0	3.3	3.9	4.6	5.3	6.1	6.9	7.7	8.3	9.1	9.78	11.2	12.6	14.0	15.3
870	3.0	3.3	3.6	4.2	4.9	5.7	6.5	7.4	8.3	9.0	9.8	10.5	12.1	13.6	15.0	16.4
1000	3.4	3.8	4.1	4.8	5.6	6.5	7.4	8.4	9.4	10.2	11.0	11.9	13.6	15.3	16.9	18.5
1160	4.0	4.4	4.7	5.5	6.4	7.4	8.4	9.5	10.7	11.6	12.6	13.6	15.5	17.4	19.2	21.0
1200	4.1	4.5	4.9	5.6	6.6	7.6	8.7	9.8	11.0	11.9	12.9	14.0	16.0	17.9	19.7	21.6
1400	4.8	5.3	5.7	6.4	7.5	8.7	9.9	11.2	12.6	13.6	14.8	16.0	18.2	20.4	22.4	24.4
1600	5.5	6.0	6.5	7.2	8.5	9.8	11.1	12.6	14.2	15.3	16.6	18.0	20.4	22.7	25.0	27.1
1750	6.0	6.5	7.1	7.8	9.1	10.5	12.0	13.6	15.3	16.5	17.9	19.3	21.9	24.4	26.8	29.1
2000	6.9	7.5	8.1	8.9	10.3	11.8	13.5	15.3	17.2	18.5	20.0	21.6	24.4	27.1	29.7	32.0
2400	8.2	8.9	9.6	10.6	12.0	13.8	15.8	17.8	20.0	21.6	23.3	25.0	28.2	31.1	33.8	36.2
2800	9.5	10.4	11.2	12.2	13.6	15.7	17.9	20.2	22.7	24.4	26.3	28.12	31.6	34.6	37.2	39.4
3200			12.7	13.9	15.2	17.5	19.9	22.5	25.2	27.1	29.2	31.1	34.6	37.6	39.9	
3500					16.4	18.8	21.4	24.1	27.0	29.1	31.2	33.1	36.6	39.4		
4000						20.8	23.6	26.7	29.9	32.0	34.2	36.2	39.4			
4500							25.7	29.0	32.4	34.7	36.8	38.7				
5000								31.1	34.7	37.0	39.1	40.7				
5500									36.6	39.1	40.8					
PD: MM	56.0	61.1	66.2	71.3	76.4	81.5	86.6	91.7	96.8	101.9	112.0	122.2	142.6	163.0	183.3	203.7
Inches	**2.21**	**2.41**	**2.61**	**2.81**	**3.01**	**3.21**	**3.41**	**3.61**	**3.81**	**4.01**	**4.41**	**4.81**	**5.61**	**6.42**	**7.22**	**8.02**

Operation in shaded area will result in a reduction of belt life.

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HT100 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

8M-50 RPM Small Sprocket	HT100 Horsepower Rating–50MM Wide Belt (1.97 in.) No. Teeth												
	28	**30**	**32**	**34**	**36**	**38**	**40**	**44**	**48**	**56**	**64**	**72**	**80**
10	0.1	0.1	0.1	0.16	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4
20	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.8
40	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1.0	1.2	1.3	1.5	1.7
60	0.6	0.7	0.8	0.9	1.0	1.2	1.2	1.4	1.5	1.7	2.0	2.2	2.5
100	1.0	1.2	1.3	1.5	1.7	2.0	2.1	2.3	2.5	2.9	3.3	3.7	4.1
200	1.9	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.9	5.6	6.4	7.1	7.8
300	2.8	3.3	3.8	4.4	4.9	5.5	6.0	6.5	7.1	8.1	9.2	10.2	11.2
400	3.6	4.3	4.9	5.6	6.4	7.2	7.8	8.5	9.2	10.5	11.8	13.1	14.4
500	4.5	5.2	6.0	6.9	7.8	8.8	9.5	10.3	11.2	12.8	14.4	16.0	17.6
600	5.3	7.1	7.1	8.1	9.2	10.3	11.2	12.2	13.1	15.1	17.0	18.8	20.6
700	6.0	7.0	8.1	9.3	10.5	11.9	12.8	14.0	15.1	17.3	19.4	21.5	23.6
800	6.8	7.9	9.2	10.5	11.9	13.4	14.4	15.7	17.0	19.4	21.8	24.2	26.5
870	7.3	8.6	10.0	11.3	12.8	14.4	15.5	16.9	18.3	20.9	23.5	26.0	28.5
1000	8.3	9.7	11.2	12.8	14.5	16.3	17.6	19.1	20.6	23.6	26.5	29.3	32.1
1160	9.4	11.0	12.8	14.6	16.5	18.5	20.0	21.8	23.5	26.8	30.1	33.3	36.3
1200	9.7	11.4	13.1	15.0	17.0	19.1	20.6	22.4	24.2	27.6	31.0	34.2	37.4
1400	11.1	13.0	15.0	17.2	19.5	21.9	23.6	25.6	27.6	31.5	35.3	38.9	42.4
1600	12.5	14.6	16.9	19.3	21.9	24.5	26.5	28.8	31.0	35.3	39.4	43.3	47.1
1750	13.5	15.8	18.3	20.9	23.6	26.5	28.6	31.0	33.4	38.0	42.4	46.5	50.4
2000	15.3	17.8	20.5	23.4	26.5	29.7	32.7	34.7	37.4	42.4	47.1	51.5	55.6
2400	18.3	20.7	23.9	27.3	30.9	34.6	37.4	40.4	43.3	48.9	54.0	58.7	62.9
2800	21.2	23.6	27.2	31.0	35.1	39.3	42.4	45.7	48.9	54.8	60.1	64.8	68.7
3200	24.1	26.3	30.3	34.5	39.0	43.8	47.1	50.7	54.0	60.2	65.4	69.7	
3500		28.4	32.5	37.1	41.9	46.9	50.4	54.1	57.6	63.7	68.6		
4000			36.0	41.0	46.3	51.8	55.6	59.4	62.9	68.7			
4500				44.7	50.4	56.3	60.3	64.1	67.4				
5000					54.0	60.3	64.5	68.0	71.0				
5500						63.8	68.0	71.3					
PD: MM	71.3	76.4	81.5	86.6	91.7	96.8	101.9	112	122.2	142.6	163	183.3	203.7
Inches	**2.81**	**3.01**	**3.21**	**3.41**	**3.61**	**3.81**	**4.01**	**4.41**	**4.81**	**5.61**	**6.42**	**7.22**	**8.02**

8M-85 RPM Small Sprocket	HT100 Horsepower Rating–85MM Wide Belt (3.35 in.) No. Teeth									
	34	**36**	**38**	**40**	**44**	**48**	**56**	**64**	**72**	**80**
10	0.3	0.3	0.3	0.4	0.4	04	0.5	0.6	0.7	0.7
20	0.5	0.6	0.7	0.7	0.8	0.9	1.0	1.2	1.3	1.4
40	1.1	1.2	1.4	1.4	1.6	1.7	2.0	2.3	2.6	2.9
60	1.6	1.8	2.1	2.2	2.4	2.6	3.0	3.5	3.9	4.3
100	2.6	3.0	3.4	3.6	4.0	4.3	5.4	5.8	6.5	7.2
200	5.2	5.9	6.7	7.2	7.9	8.5	9.8	11.1	12.3	13.5
300	7.6	8.6	9.6	10.4	11.4	12.3	14.1	15.9	17.7	19.4
400	9.8	11.1	12.5	13.5	14.7	15.9	18.3	20.6	22.9	25.1
500	12.0	13.6	15.3	16.5	18.0	19.4	22.3	25.1	27.9	30.6
600	14.1	16.0	18.0	19.4	21.2	22.9	26.2	29.5	32.7	35.9
700	16.12	18.3	20.6	22.3	24.3	26.2	30.0	33.8	37.5	41.0
800	18.2	20.7	23.2	25.1	27.3	29.5	33.8	38.0	42.1	46.1
870	19.7	22.3	25.0	27.0	29.4	31.8	36.4	40.9	45.3	49.5
1000	22.2	25.2	28.3	30.6	33.3	35.9	41.1	46.1	51.0	55.8
1160	25.3	28.7	32.3	34.8	37.9	40.9	46.7	52.4	57.9	63.2
1200	26.1	29.6	33.2	35.9	39.0	42.1	48.1	53.9	59.5	65.0
1400	29.9	33.8	38.0	41.1	44.6	48.1	54.8	61.4	67.7	73.7
1600	33.6	38.0	42.7	46.1	50.0	53.9	61.4	68.6	75.4	82.0
1750	36.3	41.1	46.1	49.8	54.0	58.1	66.1	73.7	81.0	87.8
2000	40.7	46.1	51.7	55.8	60.5	65.0	73.7	82.0	89.7	96.9
2400	47.5	53.7	60.3	65.0	70.3	75.4	85.1	94.1	102.3	109.7
2800	54.0	61.0	68.5	73.7	79.6	85.1	95.5	104.8	113.0	120.0
3200	60.1	68.0	76.2	82.0	88.2	94.1	104.8	114.1	121.6	
3500	64.6	72.9	81.7	87.8	94.3	100.3	111.1	119.9		
4000	71.5	80.7	90.3	96.9	103.6	109.7	119.9			
4500	77.8	87.8	98.1	105.2	111.8	117.6				
5000		94.2	105.2	112.5	118.8	124.0				
5500			111.3	118.8	124.5					
PD: MM	86.6	91.7	96.8	101.9	112.0	122.2	142.6	163.0	183.3	203.7
Inches	**3.41**	**3.61**	**3.81**	**4.01**	**4.41**	**4.81**	**5.61**	**6.42**	**7.22**	**8.02**

Operation in shaded area will result in a reduction of belt life.

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SELECTION

DODGE

HT100 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

14M-40	HT100 Horsepower Rating–40MM Wide Belt (1.57 in.)																
RPM Small Sprocket	No. Teeth																
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
10	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0
20	0.5	0.5	0.5	0.6	0.6	0.7	0.9	1.0	1.1	1.2	1.3	1 4	1.5	1.6	1.7	1.8	2.1
40	1.0	1.0	1.0	1.2		1.4	1.7	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	4.2
60	1.5	1.5	1.6	1.7	1.8	2.2	2.5	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	6.3
100	2.4	2.5	2.6	2.8	3.1	3.6	4.2	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.4
200	4.9	5.0	5.2	5.2	6.1	7.2	8.4	9.8	10.8	12.0	13.0	14.0	15.0	16.0	17.0	18.0	20.9
300	6.7	7.0	7.4	7.3	9.2	10.8	12.2	13.2	14.4	17.1	19.5	21.0	22.5	24.0	25.5	27.0	30.5
400	8.2	8.7	9.2	9.3	11.4	14.4	14.0	16.1	17.5	20.6	25.9	25.8	28.6	29.7	31.3	32.9	36.1
500	9.6	10.2	10.9	11.1	13.5	16.9	17.5	18.8	20.4	23.7	29.4	29.5	32.5	33.7	35.3	37.1	40.7
600	10.9	11.7	12.5	12.9	15.5	19.2	19.8	21.3	23.0	26.4	32.5	32.8	35.8	37.0	38.8	40.8	44.6
700	12.1	13.1	14.0	14.5	17.4	21.2	21.9	23.5	25.3	28.9	35.2	35.6	38.7	39.9	41.8	43.8	47.8
800	13.3	14.2	15.4	16.1	19.1	23.2	23.98	25.6	27.5	31.2	37.6	38.2	41.2	42.4	44.4	46.4	50.5
870	14 1	15.2	16.4	17.2	20.3	24.4	25.3	27.0	29.0	32.7	39.1	39.8	42.7	43.9	45.9	48.0	52.1
1000	15.5	16.8	18.1	19.1	22.2	26.6	27.6	29.4	31.4	35.1	41.5	42.4	45.2	46.3	48.3	50.3	54.3
1160	17.1	18.6	20.0	21.4	24.7	29.1	30.2	32.1	34.2	37.8	44.0	45.0	47.6	48.6	50.4	52.3	56.0
1200	17.5	19.0	20.5	21.9	25.3	29.7	31.0	32.7	34.8	38.4	44.5	45.6	48.1	49.0	50.8	52.7	56.3
1400	19.4	21.1	22.7	24.5	27.9	32.5	33.6	35.6	47.7	41.1	46.8	47.9	50.0	50.5	52.0	53.7	56.4
1600	21.2	23.0	24.8	26.8	30.3	34.6	36.0	38.0	40.0	43.2	48.3	49.4	50.8	51.0	52.0	53.2	54.7
1750	22.5	24.4	26.2	28.5	31.9	36.2	37.6	39.6	41.5	44.4	48.9	49.9	50.9	50.6	51.2	51.9	
2000	24.5	26.5	28.4	30.9	34.3	38.3	39.8	41.8	43.4	45.8	49.2	49.8	49.8	48.6	48.3		
2400	27.8	29.5	31.4	34.2	37.2	40.9	42.3	44.0	45.0	46.2	47.6	46.9					
2800		32.2	33.8	36.6	39.2	42.0	43.3	44.7	44.8	44.4							
*3200				38.0	40.0	42.0	43.0	43.9									
*3500					40.0	41.3	41.9										
PD: MM	124.8	129.2	133.7	142.6	151.5	160.4	169.3	178.3	196.1	213.9	231.7	249.6	267.4	285 2	303.0	320.9	356 5
Inches	**4.91**	**5.09**	**5.26**	**5.61**	**5.97**	**6.32**	**6.67**	**7.02**	**7.72**	**8.42**	**9.12**	**9.82**	**10.53**	**11.23**	**11.93**	**12.63**	**14.04**

14M-55	HT100 Horsepower Rating–55MM Wide Belt (2.17 in.)																
RPM Small Sprocket	No. Teeth																
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
10	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.5
20	0.7	0.7	0. 8	0.8	0.9	1.0	1.2	1.4	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.6	3.0
40	1.4	1.5	1.5	1.6	1.8	2.1	2.4	2.9	3.2	3.5	3.8	4.0	4.3	4.6	4.9	5.2	6.0
60	2.1	2.2	2.3	2.4	2.6	3.1	3.6	4.3	4.8	5.2	5.6	6.1	6.5	6.9	7.4	7.8	9.0
100	3.5	3.6	3.8	4.0	4.4	5.2	6.1	7.2	7.9	8.7	9.4	10.1	10.8	11.5	12.3	13.0	15.0
200	7.0	7.3	7.5	7.5	8.8	10.4	12.1	14.1	15.5	17.3	18.7	20.2	21.6	23.0	24.5	25.9	30.0
300	9.6	10.1	10.6	10.5	13.2	15.6	17.5	18.9	20.7	24.6	28.1	30.2	32.4	34.5	36.7	38.8	44.0
400	11.8	12.5	13.3	13.3	16.5	20.7	21.5	23.2	25.2	29.6	37.3	37.2	41.2	42.8	45.0	47.3	51.9
500	13.8	14.7	15.7	16.0	19.5	24.3	25.2	27.1	29.3	34.1	42.4	42.5	46.8	48.5	50.9	53.4	58.6
600	15.7	16.8	18.0	18.5	22.3	27.6	28.5	30.6	33.0	38.0	46.8	47.2	51.5	53.3	55.9	58.6	64.1
700	17.5	18.8	20.1	20.9	25.0	30.5	31.6	33.9	36.5	41.6	50.6	51.3	55.7	57.5	60.2	63.1	68.8
800	19.1	20.7	22.2	23.2	27.5	33.3	34.5	36.9	39.6	44.9	54.1	54.9	59.3	61.0	63.8	66.8	72.7
870	20.2	21.9	23.6	24.8	29.2	35.1	36.4	38.9	41.7	47.0	56.2	57.2	61.5	63.2	66.0	69.0	74.9
1000	22.3	24.1	26.0	27.5	32.2	38.3	39.7	42.3	45.2	50.6	59.7	61.0	65.1	66.7	69.5	72.4	78.2
1160	24.6	26.7	28.8	30.8	35.6	41.8	43.5	46.2	49.2	54.4	63.3	64.8	68.5	69.9	72.5	75.4	80.7
1200	25.2	27.4	29.5	31.5	36.4	42.7	44.3	47.1	50.1	55.3	64.1	65.6	69.2	70.5	73.1	75.9	81.0
1400	27.9	30.3	32.7	35.2	40.2	46.5	48.3	51.2	54.2	59.1	67.3	69.0	71.9	72.7	74.9	77.2	81.2
1600	30.5	33.1	35.7	38.6	43.6	49.9	51.8	54.7	57.6	62.1	69.5	71.0	73.2	73.3	74.9	76.5	78.8
1750	32.3	35.1	37.8	41.0	45.9	52.0	54.1	57.0	59.7	63.9	70.4	71.8	73.2	72.8	73.7	74.6	
2000	35.3	38.1	40.9	44.5	49.3	55.1	57.3	60.2	62.5	65.9	70.8	71.6	71.6	70.0	69.6		
2400	34.0	42.4	45.2	49.2	53.6	58.7	60.8	63.4	64.8	66.5	68.4	67.5					
2800		46.3	48.6	52.6	56.3	60.4	62.4	64.4	64.4	63.9							
*3200				54.7	57.6	60.5	61.9	63.1									
*3500					57.5	59.4	60.3										
PD: MM	124.8	129.2	133.7	142.6	151.5	160.4	169.3	178.3	196.1	213.9	231.7	249.6	267.4	285.2	303.0	320.9	356.5
Inches	**4.91**	**5.09**	**5.26**	**5.61**	**5.97**	**6.32**	**6.67**	**7.02**	**7.72**	**8.42**	**9.12**	**9.82**	**10.53**	**11.23**	**11.93**	**12.63**	**14.04**

Operation in shaded area will result in a reduction of belt life.

* Operation in this speed range may require sound dampening guard.

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DODGE

HT100 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

14M-85 RPM Small Sprocket	HT100 Horsepower Rating–85MM Wide Belt (3.35 in.) No. Teeth																
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
10	0.6	0.6	0.6	0.7	0.7	0.9	1.0	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.5
20	1.2	1.2	1.2	1.3	1.5	1.7	2.0	2.4	2.6	2.8	3.1	3.3	3.6	3.8	4.0	4.3	5.0
40	2.3	2.4	2.5	2.6	2.9	3.4	4.0	4.7	5.2	5.7	6.2	6.6	7.1	7.6	8.1	8.5	9.9
60	3.5	3.6	3.7	4.0	4.3	5.1	6.0	7.1	7.8	8.5	9.2	10.0	10.7	11.4	12.1	12.8	14.8
100	5.8	6.0	6.2	6.6	7.2	8.5	10.0	11.9	13.0	14.2	15.4	16.6	17.8	19.0	20.1	21.3	24.7
200	11.5	11.9	12.3	12.3	14.5	17.1	19.9	23.2	25.4	28.4	30.8	33.2	35.5	37.9	40.2	42.6	49.4
300	15.8	16.6	17.5	17.3	21.7	25.6	28.8	31.2	34.0	40.4	46.2	49.7	53.2	56.8	60.3	63.8	72.3
400	19.4	20.6	21.8	21.9	27.1	34.1	35.4	38.2	41.5	48.7	61.3	61.1	67.8	70.4	74.0	77.8	85.4
500	22.7	24.2	25.8	26.3	32.1	40.0	41.4	44.5	48.2	56.0	69.7	69.9	76.9	79.7	83.7	87.9	96.3
600	25.8	27.7	29.6	30.4	36.7	45.3	46.9	50.3	54.3	62.6	76.9	77.6	84.8	87.7	91.9	96.5	105.5
700	28.7	30.9	33.1	34.4	41.1	50.2	52.0	55.7	60.0	68.5	83.3	84.3	91.6	94.5	99.0	103.7	113.2
800	31.4	34.0	36.5	38.1	45.3	54.8	56.8	60.7	65.1	73.8	88.9	90.3	97.5	100.4	105.0	109.9	119.5
870	33.3	36.0	38.8	40.7	48.0	57.8	59.9	64.0	68.5	77.3	92.4	94.1	101.2	104.0	108.6	113.6	123.2
1000	36.6	39.7	42.8	45.3	52.9	63.0	65.3	70.0	74.4	83.2	98.2	100.	107.0	109.7	114.2	119.1	128.6
1160	40.5	44.0	47.4	50.6	58.5	68.8	71.5	76.0	80.8	89.5	104.1	107.0	112.7	114.9	119.3	123.9	132.6
1200	41.4	45.0	48.5	51.9	59.9	70.2	72.9	77.5	82.3	90.9	105.4	108.0	113.9	116.0	120.2	124.8	133.2
1400	45.9	49.9	53.8	57.9	66.1	76.5	79.5	84.2	89.1	97.2	110.7	113.	118.2	119.6	123.2	127.0	133.5
1600	50.1	54.4	58.7	63.5	71.7	82.0	85.2	90.0	94.7	102.	114.2	117.0	120.3	120.6	123.2	125.8	129.5
1750	53.2	57.7	62.1	67.4	75.6	85.6	89.0	93.8	98.3	105.1	115.8	118.	120.4	119.7	121.2	122.8	
*2000	58.1	62.6	67.3	73.2	81.2	90.7	94.2	98.9	103.0	108.3	116.5	118.0	117.8	115.1	114.4		
*2400	65.7	69.7	74.3	81.0	88.1	96.5	100.0	104.2	107.0	109.3	112.5	111.0					
*2800		76.1	79.9	86.6	92.7	99.4	103.0	105.9	106.0	105.1							
*3200				90.0	94.7	99.4	101.8	103.9									
*3500					94.6	97.7	99.2										
PD: MM	124.8	129.2	133.7	142.6	151.5	160.4	169.3	178.3	196.1	213.9	231.7	249.6	267.4	285.2	303.0	320.9	356.5
Inches	**4.91**	**5.09**	**5.26**	**5.61**	**5.97**	**6.32**	**6.67**	**7.02**	**7.72**	**8.42**	**9.12**	**9.82**	**10.53**	**11.23**	**11.93**	**12.63**	**14.04**

14M-115 RPM Small Sprocket	HT100 Horsepower Rating–115MM Wide Belt (4.53 in.) No. Teeth																
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
10	0.8	0.8	0.9	0.9	1.0	1.2	1.4	1.7	1.8	2.0	2.2	2.4	2.5	2.7	2.9	3.0	3.5
20	1.6	1.7	1.7	1.9	2.0	2.4	2.8	3.4	3.7	4.0	4.4	4.7	5.0	5.4	5.7	6.0	7.0
40	3.3	3.4	3.5	3.7	4.1	4.8	5.6	6.7	7.4	8.0	8.7	9.4	10.1	10.7	11.4	12.1	14.0
60	4.9	5.1	5.2	5.6	6.1	7.2	8.4	10.1	11.1	12.1	13.1	14.1	15.1	16.1	17.1	18.1	21.0
100	8.1	8.4	8.7	9.3	10.2	12.1	14.1	16.7	18.4	20.1	21.8	23.4	25.1	26.8	28.5	30.1	34.9
200	16.3	16.9	17.4	17.4	20.4	24.1	28.1	32.8	35.9	40.2	43.5	46.9	50.2	53.5	56.9	60.2	69.8
300	22.3	23.5	24.7	24.4	30.6	36.2	40.7	44.0	48.0	57.1	65.2	70.2	75.2	80.2	85.1	90.1	102.1
400	27.4	29.1	30.8	31.0	38.3	48.2	50.0	53.9	58.6	68.8	86.7	86.4	95.8	99.5	104.5	110.0	120.6
500	32.1	34.2	36.5	37.1	45.3	56.6	58.5	62.9	68.1	79.2	98.4	98.7	108.6	112.6	118.2	124.2	136.1
600	36.4	39.1	41.8	43.0	51.9	64.0	66.3	71.1	76.8	88.4	108.7	109.6	119.7	123.8	129.8	136.3	149.0
700	40.5	43.6	46.8	48.5	58.1	70.9	73.5	78.7	84.7	96.7	117.6	119.1	129.4	133.5	139.8	146.5	159.9
800	44.4	48.0	51.5	53.9	64.0	77.4	80.2	85.8	92.0	104.3	125.6	127.6	137.7	141.8	148.3	155.2	168.8
870	47.0	50.9	54.7	57.5	67.9	81.6	84.6	90.4	96.8	109.2	130.6	133.0	142.9	146.9	153.4	160.4	174.1
1000	51.7	56.1	60.4	64.0	74.8	89.0	92.3	98.4	105.1	117.5	138.8	141.7	151.2	154.9	161.4	168.3	181.7
1160	57.12	62.1	67.0	71.5	82.7	97.2	101.0	107.3	114.2	126.4	147.1	150.6	159.2	162.4	168.5	175.1	187.4
1200	58.5	63.6	68.6	73.3	84.6	99.1	103.0	109.4	116.3	128.4	148.9	152.5	160.8	163.9	169.8	176.3	188.2
*1400	64.8	70.5	76.1	81.8	93.4	108.1	112.3	119.0	125.8	137.3	156.4	160.2	167.0	168.9	174.0	179.4	188.7
*1600	70.8	76.9	82.9	89.7	101.4	115.8	120.4	127.2	133.8	144.4	161.4	165.1	170.0	170.4	174.0	177.8	183.0
*1750	75.2	81.4	87.7	95.2	106.7	120.9	125.7	132.5	138.8	148.4	163.7	166.9	170.1	169.1	171.3	173.4	
*2000	82.1	88.5	95.0	104.0	114.6	128.1	133.1	139.8	145.2	153.0	164.6	166.4	166.4	162.6	161.6		
*2400	92.9	98.5	105.0	114.4	124.5	136.3	141.3	147.3	150.6	154.4	159.0	150.7					
*2800		107.6	113.0	122.3	130.9	140.4	144.9	149.6	149.7	148.5							
*3200				127.1	133.7	140.5	143.9	146.7									
*3500					133.6	138.0	140.1										
PD: MM	124.8	129.2	133.7	142.6	151.5	160.4	169.3	178.3	196.1	213.9	231.7	249.6	267.4	285.2	303.0	320.9	356.5
Inches	**4.91**	**5.09**	**5.26**	**5.61**	**5.97**	**6.32**	**6.67**	**7.02**	**7.72**	**8.42**	**9.12**	**9.82**	**10.53**	**11.23**	**11.93**	**12.63**	**14.04**

Operation in shaded area will result in a reduction of belt life.

* Operation in this speed range may require sound dampening guard.

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SELECTION

HT100 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

14M-170 RPM Small Sprocket	HT100 Horsepower Rating–170MM Wide Belt (6.69 in.) No. Teeth											
	36	**38**	**40**	**44**	**48**	**52**	**56**	**60**	**64**	**68**	**72**	**80**
10	1.9	2.2	2.6	2.9	3.1	3.4	3.7	3.9	4.2	4.5	4.7	5.5
20	3.8	4.4	5.2	5.8	6.3	6.8	7.3	7.9	8.4	8.9	9.4	11.0
40	7.5	8.8	10.5	11.5	12.6	13.6	14.7	15.7	16.8	17.8	18.9	21.8
60	11.3	13.2	15.7	17.3	18.9	20.4	22.0	23.6	25.1	26.7	28.3	32.8
100	18.9	22.0	26.2	28.8	31.4	34.0	36.6	39.3	41.9	44.5	47.1	54.6
200	37.7	43.9	51.2	56.2	62.8	68.0	73.2	78.5	83.7	88.9	94.1	109.1
300	56.5	63.6	68.8	75.1	89.3	101.9	109.7	117.5	125.3	133.1	140.9	159.6
400	75.3	78.2	84.3	91.6	107.6	135.5	135.0	149.7	155.5	163.4	171.8	188.6
500	88.4	91.4	98.3	106.5	123.7	153.9	154.3	169.8	176.0	184.8	194.1	212.7
600	100.1	103.6	111.2	120.0	138.2	169.9	171.3	187.2	193.6	203.0	213.0	232.9
700	110.9	114.9	123.0	132.4	151.2	183.9	186.2	202.2	208.7	218.5	229.1	249.9
800	120.9	125.3	134.0	143.8	163.1	196.3	199.5	215.3	221.7	231.8	242.6	263.9
870	127.6	132.3	141.3	151.4	170.7	204.1	207.9	223.4	229.7	239.9	250.8	272.1
1000	139.1	144.3	153.8	164.3	183.7	216.9	221.5	236.4	242.2	252.3	263.1	284.0
1160	152.0	157.8	167.8	178.5	197.6	229.9	235.4	248.9	253.9	263.4	273.7	292.9
=1200	155.0	161.0	171.0	181.8	200.8	232.8	238.4	251.4	256.1	265.5	275.6	294.2
=1400	168.9	175.5	186.0	196.7	214.7	244.4	250.4	261.1	264.1	272.0	280.4	294.9
=1600	181.1	188.2	198.8	209.2	225.7	252.3	258.0	265.7	266.4	272.0	277.9	286.1
=1750	189.0	196.5	207.1	217.0	232.1	255.8	260.9	265.9	264.4	267.8	271.1	
=2000	200.3	208.1	218.5	227.0	239.2	257.3	260.2	260.1	254.2	252.7		
=2400	213.1	220.8	230.2	235.4	241.4	248.5	245.0					
=2800	219.5	226.5	233.9	234.0	232.1							
=3200	219.6	224.9	229.4									
=3500	215.8	219.0										
PD: MM	160.4	169.3	178.3	196.1	213.9	231.7	249.6	267.4	285.2	303.0	320.9	356.5
Inches	**6.32**	**6.67**	**7.02**	**7.72**	**8.42**	**9.12**	**9.82**	**10.53**	**11.23**	**11.93**	**12.63**	**14.04**

20M-115 RPM Small Sprocket	HT100 Horsepower Rating–115MM Wide Belt (4.53 in.) No. Teeth													
	34	**36**	**38**	**40**	**44**	**48**	**52**	**56**	**60**	**64**	**68**	**72**	**80**	**90**
*10	2.7	2.9	3.1	3.3	3.6	4.0	4.3	4.6	4.9	5.1	5.4	5.6	6.1	6.7
*20	5.4	5.8	6.1	6.5	7.3	7.9	8.6	9.2	9.8	10.3	10.8	11.3	12.3	13.4
*30	8.1	8.7	9.2	9.8	10.9	11.9	12.9	13.8	14.7	15.4	16.2	16.9	18.4	20.2
*40	10.7	11.5	12.3	13.1	14.5	15.8	17.1	18.5	19.5	20.6	21.6	22.6	24.6	26.9
*50	13.4	14.4	15.3	16.3	18.1	19.8	21.4	23.1	24.4	25.7	27.0	28.2	30.7	33.6
*60	16.1	17.3	18.4	19.6	21.8	23.7	25.7	27.7	29.3	30.8	32.4	33.9	36.8	40.3
*80	21.5	23.1	24.5	26.1	29.0	31.6	34.3	36.9	39.1	41.1	43.1	45.1	49.0	53.7
*100	26.8	28.8	30.7	32.6	36.3	39.6	42.8	46.1	48.8	51.4	53.9	56.4	61.3	67.1
*150	40.3	43.2	46.0	48.9	54.4	59.3	64.2	69.2	73.2	77.0	80.8	84.5	91.8	100.5
*200	53.7	57.6	61.3	65.2	72.4	79.0	85.6	92.1	97.4	102.5	107.5	112.5	122.1	133.6
*300	77.7	83.5	88.7	94.3	105.8	117.7	125.4	132.9	140.3	147.5	154.5	161.4	174.8	190.8
*400	97.9	105.0	111.5	118.5	132.7	147.5	156.8	165.9	174.8	183.4	191.8	200.0	215.8	234.3
*500	116.7	125.0	132.7	140.9	157.6	174.8	185.5	195.9	206.0	215.8	225.2	234.3	251.6	271.5
*600	134.3	143.8	152.5	161.8	180.6	200.0	211.9	223.3	234.3	244.8	254.9	264.5	282.5	302.5
730	155.7	166.5	176.4	186.9	208.2	230.0	242.9	255.2	266.2	277.9	288.2	297.9	315.3	333.2
800	166.6	178.1	188.5	199.5	221.9	244.8	258.2	270.7	282.5	293.5	303.7	313.1	329.4	345.0
870	177.0	189.1	200.0	211.6	235.0	258.8	272.4	285.0	296.6	307.5	317.4	326.2	340.9	353.4
970	191.2	204.0	215.5	227.8	252.4	277.3	272.4	285.0	296.6	307.5	317.4	326.2	340.9	353.4
1170	217.0	231.0	243.4	256.6	282.8	309.0	321.8	332.8	342.0	349.3	354.7	358.0	358.5	
=1200	220.6	234.7	247.3	260.5	286.9	313.1	325.6	336.3	345.0	351.7	356.4	358.9	357.2	
=1460	248.6	263.5	276.4	289.9	316.3	341.8	350.6	356.5	356.2	358.6	354.5			
=1600	261.3	276.3	289.0	302.3	327.8	351.7	357.5	359.3	357.2					
=1750	273.0	287.8	300.0	312.7	336.5	357.9	359.2	355.7						
=2000	288.1	301.8	312.5	323.4	342.3	357.2								
PD: MM	216.45	229.18	241.92	254.65	280.11	305.58	331.04	356.51	381.97	407.44	432.90	458.37	509.30	572.96
Inches	**8.522**	**9.023**	**9.524**	**10.026**	**11.028**	**12.031**	**13.033**	**14.036**	**15.038**	**16.041**	**17.043**	**18.046**	**20.051**	**22.557**

Operation in shaded area will result in a reduction of belt life.

* Refer to page PT11-20 for additional Service Factors for speeds of 600 RPM or less.

= Drives within this speed range may generate an objectionable noise level. This can be reduced by using commercially available acoustical damping material in the belt guard.

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DODGE

HT100 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

20M-170	HT100 Horsepower Rating–170MM Wide Belt (6.69 in.) No. Teeth													
RPM Small Sprocket	34	36	38	40	44	48	52	56	60	64	68	72	80	90
*10	4.2	4.5	4.8	5.1	5.6	6.1	6.7	7.2	7.6	8.0	8.4	8.8	9.5	10.4
*20	8.3	9.0	9.5	10.1	11.3	12.3	13.3	14.3	15.2	16.0	16.8	17.5	19.0	20.9
*30	12.5	13.4	14.3	15.2	16.9	18.4	20.0	21.5	22.8	23.9	25.1	26.3	28.6	31.3
*40	16.7	17.9	19.1	20.3	22.5	24.6	26.6	28.7	30.3	31.9	33.5	35.1	38.1	41.8
*50	20.8	22.4	23.8	25.3	28.2	30.7	33.3	35.8	37.9	39.9	41.9	43.8	47.6	52.2
*60	25.0	26.9	28.6	30.4	33.8	36.9	39.9	43.0	45.5	47.9	50.3	52.6	57.1	62.6
*80	33.4	35.8	38.1	40.5	45.1	49.1	53.2	57.3	60.7	63.8	67.0	70.1	76.1	83.5
*100	41.7	44.8	47.6	50.7	56.3	61.4	66.5	71.7	75.8	79.8	83.7	87.6	95.1	104.3
*150	62.5	67.2	71.4	76.0	84.4	92.1	99.7	107.4	113.6	119.6	125.4	131.2	142.5	156.1
*200	83.3	89.5	95.2	101.2	112.5	122.7	132.9	143.1	151.3	159.2	167.0	174.7	189.6	207.6
*300	120.7	129.6	137.8	146.5	164.4	182.4	194.8	206.5	217.9	229.1	240.0	250.7	271.5	296.5
*400	152.1	163.1	173.2	184.0	206.2	229.1	243.6	257.8	271.5	285.0	298.1	310.8	335.4	364.3
*500	181.2	194.3	206.2	218.8	244.8	271.5	288.3	304.5	320.2	335.4	350.1	364.3	391.4	422.6
*600	208.7	223.4	236.9	251.3	280.7	310.8	329.4	347.2	364.3	380.8	396.6	411.7	439.9	471.4
730	242.0	258.8	274.1	290.5	323.6	357.6	377.8	397.1	415.4	432.7	449.0	464.2	491.8	520.5
800	258.9	276.8	293.0	310.2	345.2	380.8	401.7	421.4	439.9	457.2	473.4	488.3	514.4	539.9
870	275.1	293.9	310.9	329.0	365.5	402.7	424.0	443.9	462.4	479.5	495.1	509.3	533.1	554.1
970	297.3	317.2	335.2	354.3	392.8	431.7	453.2	473.0	490.9	507.1	521.4	533.8	552.8	
1170	337.7	359.5	379.0	399.6	440.7	481.7	502.1	519.9	534.9	547.0	556.3	562.6	565.8	
=1200	343.3	365.4	385.0	405.8	447.1	488.3	508.3	525.6	539.9	551.2	559.4	564.4	564.5	
=1460	387.3	410.7	431.0	452.4	494.2	534.5	549.3	559.6	565.2	565.8	561.3			
=1600	407.5	431.1	451.2	472.3	512.9	551.2	561.5	566.0	564.5					
=1750	426.3	449.7	469.1	489.4	527.6	562.3	566.2	562.8						
=2000	450.8	472.8	490.1	507.8	539.1	564.5								
PD: MM	216.45	229.18	241.92	254.65	280.11	305.58	331.04	356.51	381.97	407.44	432.90	458.37	509.30	572.96
Inches	**8.522**	**9.023**	**9.524**	**10.026**	**11.028**	**12.031**	**13.033**	**14.036**	**15.038**	**16.041**	**17.043**	**18.046**	**20.051**	**22.557**

20M-230	HT100 Horsepower Rating–230MM Wide Belt (9.06 in.) No. Teeth											
RPM Small Sprocket	38	40	44	48	52	56	60	64	68	72	80	90
*10	6.6	7.0	7.8	8.5	9.2	10.0	10.5	11.1	11.6	12.2	13.2	14.5
*20	13.2	14.1	15.6	17.1	18.5	19.9	21.1	22.2	23.3	24.3	26.4	29.0
*30	19.8	21.1	23.5	25.6	27.7	29.9	31.6	33.3	34.9	36.5	39.7	43.5
*40	26.5	28.1	31.3	34.1	37.0	39.8	42.1	44.3	46.5	48.7	52.9	58.0
*50	33.1	35.2	39.1	42.7	46.2	49.8	52.6	55.4	58.1	60.8	66.1	72.5
*60	39.7	42.2	46.9	51.2	55.4	59.7	63.2	66.5	69.8	73.0	79.3	87.0
*80	52.9	56.3	62.6	68.2	73.9	79.6	84.2	88.6	93.0	97.3	105.7	115.9
*100	66.1	70.3	78.2	85.3	92.4	99.5	105.2	110.8	116.2	121.6	132.1	144.8
*150	99.2	105.5	117.2	127.9	138.5	149.1	157.7	166.0	174.2	182.2	197.9	216.8
*200	132.1	140.6	156.2	170.4	184.5	198.7	210.1	221.1	231.9	242.5	263.3	288.3
*300	191.3	203.4	228.2	253.9	270.5	286.7	302.6	318.1	333.3	348.2	377.1	411.8
*400	240.5	255.5	286.3	318.1	338.3	358.0	377.1	395.8	414.0	431.8	465.9	506.2
*500	286.3	303.9	340.0	377.1	400.4	422.9	444.8	465.9	486.4	506.2	543.9	587.4
*600	329.1	349.1	389.8	431.8	457.4	482.4	506.2	529.1	551.1	572.2	611.6	655.7
730	380.8	403.5	449.6	496.8	525.0	551.9	577.4	601.5	624.3	645.7	684.4	724.9
800	406.9	430.9	479.5	529.1	558.3	585.8	611.6	635.9	658.5	679.4	716.2	752.5
870	432.0	457.1	508.0	559.7	589.4	617.2	643.1	667.1	689.0	709.0	742.8	773.0
=970	465.8	492.4	546.0	600.2	630.3	657.9	683.2	705.9	726.1	743.8	771.1	
=1170	526.9	555.6	612.9	670.2	698.9	724.0	745.3	762.8	776.3	785.7	791.9	
=1200	535.3	564.2	621.9	679.4	707.7	732.1	752.5	768.8	780.9	788.7	790.6	
=1460	599.8	629.7	688.1	744.8	766.1	781.2	789.9	791.9	787.0			
=1600	628.2	657.8	714.8	768.8	784.0	791.4	790.6					
=1750	653.6	682.2	736.0	785.4	791.9	788.7						
=2000	683.8	709.0	753.7	790.6								
PD: MM	241.92	254.65	280.11	305.58	331.04	356.51	381.97	407.44	432.90	458.37	509.30	572.96
Inches	**9.524**	**10.026**	**11.028**	**12.031**	**13.033**	**14.036**	**15.038**	**16.041**	**17.043**	**18.046**	**20.051**	**22.557**

Operation in shaded area will result in a reduction of belt life.

* Refer to page PT11-20 for additional Service Factors for speeds of 600 RPM or less.

= Drives within this speed range may generate an objectionable noise level. This can be reduced by using commercially available acoustical damping material in the belt guard.

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SELECTION

HT100 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

20M-290 RPM Small Sprocket	HT100 Horsepower Rating–290MM Wide Belt (11.42 in.) No. Teeth							
	52	**56**	**60**	**64**	**68**	**72**	**80**	**90**
*10	11.8	12.7	13.5	14.2	14.9	15.6	16.9	18.6
*20	23.7	25.5	27.0	28.4	29.8	31.1	33.8	37.1
*30	35.5	38.2	40.4	42.6	44.7	46.7	50.8	55.7
*40	47.3	50.9	53.9	56.7	59.5	62.3	67.7	74.2
*50	59.1	63.7	67.4	70.9	74.4	77.9	84.6	92.7
*60	71.0	76.4	80.8	85.1	89.3	93.4	101.5	111.1
*80	94.6	101.9	107.8	113.4	119.0	124.5	135.3	148.3
*100	118.2	127.3	134.7	141.8	148.7	155.6	169.0	185.3
*150	177.2	190.8	201.9	212.4	222.9	233.2	253.2	277.4
*200	236.1	254.2	268.9	282.9	296.8	310.4	336.9	368.9
*300	346.2	366.9	387.2	407.1	426.6	445.6	482.7	527.1
*400	433.0	458.2	482.7	506.6	529.9	552.7	596.4	648.1
*500	512.5	541.4	569.4	596.4	622.7	648.1	696.4	752.3
*600	585.7	617.5	648.1	677.5	705.7	732.8	783.4	840.1
730	672.2	706.6	739.3	770.3	799.6	827.1	877.0	929.2
800	714.9	750.1	783.4	814.5	843.6	870.6	918.1	965.1
870	754.8	790.6	823.8	854.6	882.9	908.7	952.4	992.0
=970	807.3	842.9	875.4	904.7	930.9	953.8	989.4	
=1170	895.7	928.1	955.7	978.5	996.3	1008.9	1018.0	
=1200	907.0	938.5	965.1	986.4	1002.4	1012.9	1016.7	
=1460	982.9	1002.9	1014.7	1018.0				
=1600	1006.5	1016.8	1016.7					
=1750	1017.7	1014.6						
=2000								
PD: MM	331.04	356.51	381.97	407.44	432.90	458.37	509.30	572.96
Inches	**13.033**	**14.036**	**15.038**	**16.041**	**17.043**	**18.046**	**20.051**	**22.557**

20M-340 RPM Small Sprocket	HT100 Horsepower Rating–340MM Wide Belt (13.39 in.) No. Teeth							
	52	**56**	**60**	**64**	**68**	**72**	**80**	**90**
*10	14.0	15.1	15.9	16.8	17.6	18.4	20.0	21.9
*20	28.0	30.1	31.9	33.5	35.2	36.8	40.0	43.9
*30	41.9	45.2	47.8	50.3	52.8	55.2	60.0	65.8
*40	55.9	60.2	63.7	67.1	70.4	73.6	80.0	87.7
*50	69.9	75.3	79.6	83.8	88.0	92.0	100.0	109.6
*60	83.9	90.3	95.6	100.6	105.6	110.4	120.0	131.5
*80	111.8	120.4	127.4	134.1	140.7	147.2	159.9	175.3
*100	139.8	150.5	159.2	167.6	175.8	184.0	199.8	219.0
*150	209.5	225.6	238.7	251.2	263.5	275.6	299.3	328.0
*200	279.2	300.5	317.9	334.5	350.8	366.9	398.3	436.2
*300	409.3	433.8	457.8	481.3	504.3	526.9	570.7	623.1
*400	511.9	541.7	570.7	599.0	626.5	653.4	705.2	766.3
*500	605.9	640.1	673.2	705.2	736.3	766.3	823.5	889.7
*=600	692.5	730.1	766.3	801.1	834.5	866.5	926.5	993.7
=730	794.8	835.6	874.3	911.0	945.7	978.3	1037.4	1099.5
=800	845.3	887.1	926.5	963.4	997.8	1029.8	1086.3	1142.2
=870	892.7	935.0	974.4	1010.9	1044.5	1075.1	1127.2	1174.4
=970	954.8	997.0	1035.6	1070.4	1101.5	1128.7	1171.4	
=1170	1059.7	1098.2	1131.1	1158.3	1179.6	1194.8	1206.4	
=1200	1073.1	1110.6	1142.2	1167.7	1187.0	1199.8	1205.2	
=1460	1163.5	1187.5	1202.0	1206.5	1200.6			
=1600	1192.0	1204.6	1205.2					
=1750	1205.8	1202.8						
=2000								
PD: MM	331.04	356.51	381.97	407.44	432.90	458.37	509.30	572.96
Inches	13.033	14.036	15.038	16.041	17.043	18.046	20.051	22.557

Operation in shaded area will result in a reduction of belt life.

* Refer to page PT11-20 for additional Service Factors for speeds of 600 RPM or less.

= Drives within this speed range may generate an objectionable noise level. This can be reduced by using commercially available acoustical damping material in the belt guard.

DODGE

5MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches																					
	Driver		Driven		300-5M	355-5M	375-5M	400-5M	425-5M	450-5M	550-5M	535-5M	565-5M	600-5M	650-5M	700-5M	750-5M	800-5M	900-5M	1000-5M	1150-5M	1300-5M	1450-5M	1600-5M	1720-5M	2100-5M
	No. of Teeth	Pitch Dia. In.	No. of Teeth	Pitch Dia. In.																						
Length Factor*					**0.77**	**0.81**	**0.83**	**0.84**	**0.86**	**0.88**	**0.90**	**0.92**	**0.94**	**0.95**	**0.98**	**1.00**	**1.01**	**1.03**	**1.06**	**1.09**	**1.13**	**1.16**	**1.19**	**1.22**	**1.24**	**1.29**
1.00	32	2.005	32	2.005	2.76	3.84	4.23	4.73	5.22	5.71	6.69	7.38	7.97	8.66	9.65	10.63	11.62	12.60	14.57	16.54	19.49	22.44	25.40	28.35	30.71	38.19
1.00	34	2.130	34	2.130	2.56	3.64	4.03	4.53	5.02	5.51	6.49	7.18	7.77	8.46	9.45	10.43	11.42	12.40	14.37	16.34	19.29	22.24	25.20	28.15	30.51	37.99
1.00	36	2.256	36	2.256	...	3.45	3.84	4.33	4.82	5.32	6.30	6.99	7.58	8.27	9.25	10.24	11.22	12.21	14.17	16.14	19.10	22.05	25.00	27.95	30.32	37.80
1.00	38	2.381	38	2.381	...	3.25	3.64	4.13	4.62	5.12	6.10	6.79	7.38	8.07	9.05	10.04	11.02	12.01	13.97	15.94	18.90	21.85	24.80	27.75	30.12	37.60
1.00	40	2.506	40	2.506	...	3.05	3.44	3.94	4.43	4.92	5.90	6.59	7.18	7.87	8.86	9.84	10.83	11.81	13.78	15.75	18.70	21.65	24.61	27.56	29.92	37.40
1.00	44	2.757	44	2.757	...	...	...	3.54	4.03	4.53	5.51	6.20	6.79	7.48	8.46	9.45	10.43	11.42	13.38	15.35	18.31	21.26	24.21	27.16	29.53	37.01
1.00	48	3.008	48	3.008	...	...	...	...	3.64	4.14	5.12	5.81	6.40	7.09	8.07	9.06	10.04	11.03	12.99	14.96	17.92	20.87	23.82	26.77	29.14	36.62
1.00	52	3.258	52	3.258	...	...	...	...	...	3.74	4.72	5.41	6.00	6.69	7.68	8.66	9.65	10.63	12.60	14.57	17.52	20.47	23.43	26.38	28.74	36.22
1.00	56	3.509	56	3.509	...	...	...	...	...	...	4.33	5.02	5.61	6.30	7.28	8.27	9.25	10.24	12.20	14.17	17.13	20.08	23.03	25.98	28.35	35.83
1.00	60	3.760	60	3.760	...	...	...	...	...	...	...	4.62	5.21	5.90	6.89	7.87	8.86	9.84	11.81	13.78	16.73	19.68	22.64	25.59	27.95	35.43
1.00	64	4.010	64	4.010	...	...	...	...	...	...	...	...	4.82	5.51	6.50	7.48	8.47	9.45	11.42	13.39	16.34	19.29	22.25	25.20	27.56	35.04
1.00	68	4.261	68	4.261	...	...	...	...	...	...	...	...	...	5.12	6.10	7.09	8.07	9.06	11.02	12.99	15.95	18.90	21.85	24.80	27.17	34.65
1.04	50	3.133	52	3.258	...	...	...	...	...	3.84	4.82	5.51	6.10	6.79	7.78	8.76	9.75	10.73	12.70	14.67	17.62	20.57	23.53	26.48	28.84	36.32
1.05	38	2.381	40	2.506	...	3.15	3.54	4.04	4.53	5.02	6.00	6.69	7.28	7.97	8.96	9.94	10.93	11.91	13.88	15.85	18.80	21.75	24.71	27.66	30.02	37.50
1.06	36	2.256	38	2.381	...	3.35	3.74	4.23	4.72	5.22	6.20	6.89	7.48	8.17	9.15	10.14	11.12	12.11	14.07	16.04	19.00	21.95	24.90	27.85	30.22	37.70
1.06	34	2.130	36	2.256	...	3.54	3.93	4.43	4.92	5.41	6.39	7.08	7.67	8.37	9.35	10.34	11.32	12.31	14.27	16.24	19.20	22.15	25.10	28.05	30.42	37.90
1.06	68	4.261	72	4.511	...	...	...	...	...	...	...	...	...	4.92	5.90	6.89	7.87	8.86	10.82	12.79	15.75	18.70	21.66	24.61	26.97	34.45
1.06	32	2.005	34	2.130	2.66	3.74	4.13	4.63	5.12	5.61	6.59	7.28	7.87	8.56	9.55	10.53	11.52	12.50	14.47	16.44	19.39	22.34	25.30	28.25	30.61	38.09
1.06	64	4.010	68	4.261	...	...	...	...	...	...	...	...	4.62	5.31	6.30	7.28	8.27	9.25	11.22	13.19	16.14	19.09	22.05	25.00	27.36	34.84
1.07	60	3.760	64	4.010	...	...	...	...	...	...	...	4.43	5.02	5.71	6.69	7.68	8.66	9.65	11.61	13.58	16.54	19.49	22.44	25.39	27.76	35.24
1.07	56	3.509	60	3.760	...	...	...	...	...	...	4.13	4.82	5.41	6.10	7.08	8.07	9.06	10.04	12.01	13.98	16.93	19.88	22.84	25.79	28.15	35.63
1.08	52	3.258	56	3.509	...	...	...	...	...	...	4.52	5.21	5.80	6.49	7.48	8.46	9.45	10.43	12.40	14.37	17.32	20.27	23.23	26.18	28.54	36.02
1.08	48	3.008	52	3.258	...	...	...	...	...	3.94	4.92	5.61	6.20	6.89	7.87	8.86	9.84	10.83	12.79	14.76	17.72	20.67	23.62	26.57	28.94	36.42
1.09	44	2.757	48	3.008	...	...	...	3.34	3.84	4.33	5.31	6.00	6.59	7.28	8.27	9.25	10.24	11.22	13.19	15.16	18.11	21.06	24.02	26.97	29.33	36.81
1.10	40	2.506	44	2.757	...	...	3.24	3.74	4.23	4.72	5.71	6.40	6.99	7.68	8.66	9.65	10.63	11.62	13.58	15.55	18.51	21.46	24.41	27.36	29.73	37.21
1.11	36	2.256	40	2.506	...	3.25	3.64	4.13	4.62	5.12	6.10	6.79	7.38	8.07	9.05	10.04	11.02	12.01	13.97	15.94	18.90	21.85	24.80	27.75	30.12	37.60
1.12	34	2.130	38	2.381	...	3.44	3.84	4.33	4.82	5.32	6.30	6.99	7.58	8.27	9.25	10.24	11.22	12.21	14.17	16.14	19.10	22.05	25.00	27.95	30.32	37.80
1.13	32	2.005	36	2.256	2.56	3.64	4.03	4.53	5.02	5.51	6.49	7.18	7.77	8.46	9.45	10.43	11.42	12.40	14.37	16.34	19.29	22.24	25.20	28.15	30.51	37.99
1.13	64	4.010	72	4.511	...	...	...	...	...	...	...	...	4.42	5.11	6.10	7.08	8.07	9.05	11.02	12.99	15.95	18.90	21.85	24.80	27.17	34.65
1.13	60	3.760	68	4.261	...	...	...	...	...	...	...	...	4.81	5.50	6.49	7.48	8.46	9.45	11.41	13.38	16.34	19.29	22.24	25.19	27.56	35.04
1.14	56	3.509	64	4.010	...	...	...	...	...	...	...	4.62	5.21	5.90	6.89	7.87	8.86	9.84	11.81	13.78	16.73	19.68	22.64	25.59	27.95	35.43
1.15	52	3.258	60	3.760	...	...	...	...	...	...	4.32	5.01	5.60	6.29	7.28	8.26	9.25	10.23	12.20	14.17	17.13	20.08	23.03	25.98	28.35	35.83
1.16	38	2.381	44	2.757	...	2.95	3.34	3.84	4.33	4.82	5.80	6.49	7.08	7.77	8.76	9.74	10.73	11.71	13.68	15.65	18.60	21.55	24.51	27.46	29.82	37.30
1.17	48	3.008	56	3.509	...	...	...	...	...	3.73	4.71	5.41	6.00	6.69	7.67	8.66	9.64	10.63	12.59	14.56	17.52	20.47	23.43	26.38	28.74	36.22
1.18	34	2.130	40	2.506	...	3.34	3.73	4.23	4.72	5.22	6.20	6.89	7.48	8.17	9.15	10.14	11.12	12.11	14.07	16.04	19.00	21.95	24.90	27.85	30.22	37.70
1.18	68	4.261	80	5.013	...	...	...	...	...	...	...	...	...	...	5.50	6.49	7.47	8.46	10.42	12.40	15.35	18.30	21.26	24.21	26.57	34.05
1.18	44	2.757	52	3.258	...	...	...	...	...	3.63	4.13	5.11	5.80	6.39	7.08	8.07	9.05	10.04	11.02	12.99	14.96	17.91	20.86	23.82	26.77	29.13	36.61
1.19	32	2.005	38	2.381	...	3.54	3.93	4.43	4.92	5.41	6.39	7.08	7.67	8.36	9.35	10.33	11.32	12.30	14.27	16.24	19.19	22.14	25.10	28.05	30.41	37.89
1.20	40	2.506	48	3.008	...	...	...	3.54	4.03	4.52	5.50	6.19	6.78	7.48	8.46	9.45	10.43	11.42	13.38	15.35	18.31	21.26	24.21	27.16	29.53	37.01
1.20	60	3.760	72	4.511	...	...	...	...	...	...	...	...	4.61	5.30	6.29	7.27	8.26	9.25	11.21	13.18	16.14	19.09	22.05	25.00	27.36	34.84
1.21	56	3.509	68	4.261	...	...	...	...	...	...	...	4.41	5.00	5.70	6.68	7.67	8.65	9.64	11.61	13.58	16.53	19.48	22.44	25.39	27.75	35.24
1.22	36	2.256	44	2.757	...	3.04	3.43	3.93	4.42	4.92	5.90	6.59	7.18	7.87	8.85	9.84	10.82	11.81	13.78	15.75	18.70	21.65	24.61	27.56	29.92	37.40
1.23	52	3.258	64	4.010	...	...	...	...	...	...	4.11	4.81	5.40	6.09	7.08	8.06	9.05	10.03	12.00	13.97	16.93	19.88	22.83	25.78	28.15	35.63
1.25	32	2.005	40	2.506	...	3.44	3.83	4.32	4.82	5.31	6.29	6.98	7.57	8.26	9.25	10.23	11.22	12.20	14.17	16.14	19.10	22.05	25.00	27.95	30.32	37.80
1.25	48	3.008	60	3.760	...	...	...	...	...	...	4.51	5.20	5.79	6.48	7.47	8.46	9.44	10.43	12.39	14.36	17.32	20.27	23.23	26.18	28.54	36.02
1.25	64	4.010	80	5.013	...	...	...	...	...	...	...	...	...	4.70	5.69	6.67	7.66	8.65	10.62	12.59	15.55	18.50	21.45	24.40	26.77	34.25
1.26	38	2.381	48	3.008	...	...	3.13	3.63	4.12	4.62	5.60	6.29	6.88	7.57	8.56	9.54	10.53	11.51	13.48	15.45	18.40	21.36	24.31	27.26	29.63	37.11
1.27	44	2.757	56	3.509	...	...	...	...	...	3.92	4.90	5.60	6.19	6.88	7.86	8.85	9.84	10.82	12.79	14.76	17.71	20.67	23.62	26.57	28.94	36.42
1.29	56	3.509	72	4.511	...	...	...	...	...	...	...	4.20	4.79	5.49	6.48	7.46	8.45	9.44	11.41	13.38	16.33	19.28	22.24	25.19	27.56	35.04
1.29	34	2.130	44	2.757	...	3.14	3.53	4.02	4.52	5.01	5.99	6.68	7.28	7.97	8.95	9.94	10.92	11.91	13.87	15.84	18.80	21.75	24.70	27.65	30.02	37.50
1.30	40	2.506	52	3.258	...	...	...	3.33	3.82	4.32	5.30	5.99	6.58	7.27	8.26	9.25	10.23	11.22	13.18	15.15	18.11	21.06	24.02	26.97	29.33	36.81
1.31	52	3.258	68	4.261	...	...	...	...	...	...	...	4.60	5.19	5.88	6.87	7.86	8.85	9.83	11.80	13.77	16.73	19.68	22.63	25.58	27.95	35.43
1.32	68	4.261	90	5.639	...	...	...	...	...	...	...	...	...	...	...	5.96	6.96	7.94	9.92	11.89	14.85	17.80	20.76	23.71	26.08	33.56
1.33	36	2.256	48	3.008	...	...	3.22	3.72	4.21	4.71	5.69	6.38	6.98	7.67	8.65	9.64	10.62	11.61	13.58	15.55	18.50	21.45	24.41	27.36	29.72	37.20
1.33	48	3.008	64	4.010	...	...	...	...	...	...	4.30	4.99	5.59	6.28	7.27	8.25	9.24	10.23	12.19	14.16	17.12	20.07	23.03	25.98	28.34	35.82
1.33	60	3.760	80	5.013	...	...	...	...	...	...	...	...	...	4.88	5.87	6.86	7.85	8.84	10.81	12.78	15.74	18.69	21.65	24.60	26.96	34.44
1.36	44	2.757	60	3.760	...	...	...	...	...	3.71	4.69	5.39	5.98	6.67	7.66	8.65	9.63	10.62	12.59	14.56	17.51	20.47	23.42	26.37	28.74	36.22
1.37	38	2.381	52	3.258	...	...	...	3.42	3.91	4.41	5.39	6.09	6.68	7.37	8.35	9.34	10.33	11.31	13.28	15.25	18.21	21.16	24.11	27.06	29.43	36.91
1.38	32	2.005	44	2.757	...	3.23	3.62	4.12	4.61	5.11	6.09	6.78	7.37	8.06	9.05	10.03	11.02	12.00	13.97	15.94	18.90	21.85	24.80	27.75	30.12	37.60
Length Factor*					**0.77**	**0.81**	**0.83**	**0.84**	**0.86**	**0.88**	**0.90**	**0.92**	**0.94**	**0.95**	**0.98**	**1.00**	**1.01**	**1.03**	**1.06**	**1.09**	**1.13**	**1.16**	**1.19**	**1.22**	**1.24**	**1.29**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

FEATURES/BENEFITS PAGE PT11-2	SPECIFICATIONS PAGE PT11-4	ENGINEERING/TECHNICAL PAGE PT11-64	

SELECTION

DODGE

5MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations: Driver No. of Teeth	Driver Pitch Dia. In.	Driven No. of Teeth	Driven Pitch Dia. In.	Center Distance, Inches: 300-5M	355-5M	375-5M	400-5M	425-5M	450-5M	550-5M	535-5M	565-5M	600-5M	650-5M	700-5M	750-5M	800-5M	900-5M	1000-5M	1150-5M	1300-5M	1450-5M	1600-5M	1720-5M	2100-5M
Length Factor*					**0.77**	**0.81**	**0.83**	**0.84**	**0.86**	**0.88**	**0.90**	**0.92**	**0.94**	**0.95**	**0.98**	**1.00**	**1.01**	**1.03**	**1.06**	**1.09**	**1.13**	**1.16**	**1.19**	**1.22**	**1.24**	**1.29**
1.39	52	3.258	72	4.511	...	...	...	...	...	...	...	4.38	4.98	5.67	6.66	7.65	8.64	9.63	11.60	13.57	16.53	19.48	22.43	25.39	27.75	35.23
1.40	40	2.506	56	3.509	...	...	...	...	3.61	4.11	5.09	5.78	6.38	7.07	8.06	9.04	10.03	11.01	12.98	14.95	17.91	20.86	23.82	26.77	29.13	36.61
1.41	64	4.010	90	5.639	...	...	...	...	...	...	...	...	...	...	5.15	6.15	7.14	8.13	10.10	12.08	15.04	17.99	20.95	23.90	26.27	33.75
1.41	34	2.130	48	3.008	...	2.92	3.32	3.81	4.31	4.80	5.79	6.48	7.07	7.76	8.75	9.73	10.72	11.71	13.67	15.64	18.60	21.55	24.51	27.46	29.82	37.30
1.42	48	3.008	68	4.261	...	...	...	...	...	...	4.08	4.78	5.37	6.07	7.06	8.05	9.03	10.02	11.99	13.96	16.92	19.87	22.83	25.78	28.14	35.63
1.43	56	3.509	80	5.013	...	...	...	...	...	...	...	...	...	5.06	6.06	7.05	8.04	9.03	11.00	12.97	15.93	18.88	21.84	24.79	27.16	34.64
1.44	36	2.256	52	3.258	...	...	...	3.51	4.00	4.50	5.49	6.18	6.77	7.46	8.45	9.44	10.42	11.41	13.37	15.35	18.30	21.25	24.21	27.16	29.53	37.01
1.46	44	2.757	64	4.010	...	...	...	...	...	...	4.48	5.18	5.77	6.46	7.45	8.44	9.43	10.42	12.38	14.36	17.31	20.27	23.22	26.17	28.54	36.02
1.47	38	2.381	56	3.509	...	...	...	...	3.70	4.20	5.18	5.88	6.47	7.16	8.15	9.14	10.12	11.11	13.08	15.05	18.01	20.96	23.91	26.86	29.23	36.71
1.50	32	2.005	48	3.008	...	3.01	3.41	3.91	4.40	4.90	5.88	6.57	7.17	7.86	8.84	9.83	10.82	11.80	13.77	15.74	18.70	21.65	24.60	27.55	29.92	37.40
1.50	40	2.506	60	3.760	...	...	...	...	...	3.89	4.88	5.57	6.17	6.86	7.85	8.84	9.82	10.81	12.78	14.75	17.71	20.66	23.62	26.57	28.93	36.41
1.50	48	3.008	72	4.511	...	...	...	...	...	...	...	4.56	5.16	5.86	6.85	7.84	8.83	9.82	11.79	13.76	16.72	19.67	22.63	25.58	27.94	35.43
1.50	60	3.760	90	5.639	...	...	...	...	...	...	...	...	...	...	5.33	6.33	7.32	8.31	10.29	12.27	15.23	18.18	21.14	24.09	26.46	33.95
1.53	34	2.130	52	3.258	...	...	3.10	3.60	4.09	4.59	5.58	6.27	6.87	7.56	8.54	9.53	10.52	11.50	13.47	15.44	18.40	21.35	24.31	27.26	29.62	37.10
1.54	52	3.258	80	5.013	...	...	...	...	...	...	...	...	4.54	5.24	6.24	7.23	8.22	9.21	11.18	13.16	16.12	19.07	22.03	24.98	27.35	34.83
1.55	44	2.757	68	4.261	...	...	...	...	...	...	4.26	4.96	5.56	6.25	7.24	8.23	9.22	10.21	12.18	14.15	17.11	20.06	23.02	25.97	28.34	35.82
1.56	36	2.256	56	3.509	...	...	...	3.29	3.79	4.29	5.27	5.97	6.56	7.26	8.24	9.23	10.22	11.20	13.17	15.14	18.10	21.05	24.01	26.96	29.33	36.81
1.58	38	2.381	60	3.760	...	...	...	...	3.47	3.98	4.97	5.66	6.26	6.95	7.94	8.93	9.92	10.91	12.87	14.85	17.80	20.76	23.71	26.66	29.03	36.51
1.60	40	2.506	64	4.010	...	...	...	...	...	3.66	4.66	5.36	5.95	6.65	7.64	8.63	9.62	10.61	12.57	14.55	17.51	20.46	23.42	26.37	28.73	36.21
1.61	56	3.509	90	5.639	...	...	...	...	...	...	...	...	...	...	5.51	6.51	7.50	8.50	10.48	12.45	15.42	18.37	21.33	24.29	26.65	34.14
1.63	32	2.005	52	3.258	...	...	3.18	3.69	4.18	4.68	5.67	6.37	6.96	7.65	8.64	9.63	10.61	11.60	13.57	15.54	18.50	21.45	24.40	27.35	29.72	37.20
1.64	44	2.757	72	4.511	...	...	...	...	...	...	4.04	4.74	5.34	6.04	7.03	8.02	9.01	10.00	11.97	13.95	16.91	19.86	22.82	25.77	28.14	35.62
1.65	34	2.130	56	3.509	...	...	...	3.38	3.87	4.38	5.37	6.06	6.66	7.35	8.34	9.33	10.31	11.30	13.27	15.24	18.20	21.15	24.11	27.06	29.42	36.90
1.65	68	4.261	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	...	6.75	8.75	10.74	13.71	16.67	19.64	22.59	24.96	32.45
1.67	36	2.256	60	3.760	...	...	...	...	3.56	4.07	5.06	5.76	6.35	7.04	8.03	9.02	10.01	11.00	12.97	14.94	17.90	20.85	23.81	26.76	29.13	36.61
1.67	48	3.008	80	5.013	...	...	...	...	...	...	...	...	4.71	5.42	6.42	7.41	8.41	9.40	11.37	13.35	16.31	19.26	22.22	25.18	27.54	35.03
1.68	38	2.381	64	4.010	...	...	...	...	...	3.75	4.75	5.45	6.05	6.74	7.73	8.72	9.71	10.70	12.67	14.64	17.60	20.55	23.51	26.46	28.83	36.31
1.70	40	2.506	68	4.261	...	...	...	...	...	...	4.44	5.14	5.74	6.44	7.43	8.42	9.41	10.40	12.37	14.34	17.30	20.26	23.21	26.17	28.53	36.01
1.73	52	3.258	90	5.639	...	...	...	...	...	...	...	...	...	4.67	5.68	6.69	7.68	8.68	10.66	12.64	15.61	18.56	21.52	24.48	26.85	34.33
1.75	32	2.005	56	3.509	...	...	...	3.46	3.96	4.47	5.46	6.15	6.75	7.44	8.43	9.42	10.41	11.39	13.36	15.34	18.29	21.25	24.20	27.15	29.52	37.00
1.75	64	4.010	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	5.91	6.92	8.93	10.92	13.90	16.86	19.83	22.78	25.15	32.64
1.77	34	2.130	60	3.760	...	...	...	...	3.65	4.15	5.15	5.85	6.44	7.14	8.13	9.12	10.11	11.09	13.06	15.04	18.00	20.95	23.91	26.86	29.22	36.70
1.78	36	2.256	64	4.010	...	...	...	...	...	3.84	4.84	5.54	6.14	6.83	7.82	8.82	9.80	10.79	12.76	14.74	17.70	20.65	23.61	26.56	28.93	36.41
1.79	38	2.381	68	4.261	...	...	...	...	...	...	4.53	5.23	5.83	6.53	7.52	8.51	9.50	10.49	12.46	14.44	17.40	20.35	23.31	26.26	28.63	36.11
1.80	40	2.506	72	4.511	...	...	...	...	...	...	4.21	4.92	5.52	6.22	7.21	8.21	9.20	10.19	12.16	14.14	17.10	20.05	23.01	25.96	28.33	35.81
1.80	50	3.133	90	5.639	...	...	...	...	...	...	...	...	...	4.75	5.77	6.77	7.77	8.77	10.75	12.73	15.70	18.66	21.62	24.57	26.94	34.43
1.82	44	2.757	80	5.013	...	...	...	...	...	...	...	4.28	4.89	5.59	6.60	7.59	8.59	9.58	11.56	13.54	16.50	19.45	22.41	25.37	27.73	35.22
1.87	60	3.760	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	6.08	7.10	9.10	11.10	14.08	17.05	20.01	22.97	25.34	32.83
1.88	32	2.005	60	3.760	...	...	...	3.23	3.73	4.24	5.24	5.94	6.53	7.23	8.22	9.21	10.20	11.19	13.16	15.13	18.09	21.04	24.00	26.95	29.32	36.80
1.88	48	3.008	90	5.639	...	...	...	...	...	...	...	...	...	4.84	5.86	6.86	7.86	8.86	10.84	12.83	15.79	18.75	21.71	24.67	27.04	34.52
1.88	34	2.130	64	4.010	...	...	...	...	3.41	3.92	4.93	5.63	6.23	6.92	7.92	8.91	9.90	10.89	12.86	14.83	17.79	20.75	23.70	26.66	29.02	36.51
1.89	36	2.256	68	4.261	...	...	...	...	...	3.60	4.61	5.32	5.92	6.62	7.61	8.60	9.59	10.58	12.56	14.53	17.49	20.45	23.41	26.36	28.72	36.21
1.90	38	2.381	72	4.511	...	...	...	...	...	...	4.29	5.00	5.61	6.31	7.30	8.30	9.29	10.28	12.26	14.23	17.19	20.15	23.11	26.06	28.43	35.91
2.00	32	2.005	64	4.010	...	...	...	...	3.50	4.01	5.02	5.72	6.32	7.01	8.01	9.00	9.99	10.98	12.95	14.93	17.89	20.84	23.80	26.75	29.12	36.60
2.00	34	2.130	68	4.261	...	...	...	...	...	3.69	4.70	5.41	6.01	6.71	7.70	8.70	9.69	10.68	12.65	14.63	17.59	20.54	23.50	26.45	28.82	36.30
2.00	36	2.256	72	4.511	...	...	...	...	...	...	4.38	5.09	5.69	6.40	7.39	8.39	9.38	10.37	12.35	14.33	17.29	20.24	23.20	26.16	28.52	36.01
2.00	40	2.506	80	5.013	...	...	...	...	...	...	...	4.45	5.06	5.77	6.77	7.77	8.77	9.76	11.74	13.72	16.69	19.64	22.60	25.56	27.93	35.41
2.00	56	3.509	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	6.25	7.27	9.28	11.28	14.26	17.23	20.20	23.16	25.53	33.03
2.05	44	2.757	90	5.639	...	...	...	...	...	...	...	...	...	5.01	6.03	7.04	8.04	9.04	11.03	13.01	15.98	18.94	21.90	24.86	27.23	34.72
2.11	38	2.381	80	5.013	...	...	...	...	...	...	...	4.53	5.14	5.85	6.86	7.86	8.86	9.85	11.83	13.82	16.78	19.74	22.70	25.65	28.02	35.51
2.12	34	2.130	72	4.511	...	...	...	...	...	...	.4.46	5.18	5.78	6.48	7.48	8.48	9.47	10.47	12.44	14.42	17.38	20.34	23.30	26.25	28.62	36.10
2.13	32	2.005	68	4.261	...	...	...	...	...	3.77	4.79	5.49	6.09	6.79	7.79	8.79	9.78	10.77	12.74	14.72	17.68	20.64	23.60	26.55	28.92	36.40
2.15	52	3.258	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.38	6.42	7.44	9.46	11.46	14.45	17.42	20.39	23.35	25.72	33.22
2.22	36	2.256	80	5.013	...	...	...	...	...	...	3.88	4.61	5.23	5.94	6.95	7.95	8.95	9.95	11.93	13.91	16.87	19.83	22.79	25.75	28.12	35.60
2.25	32	2.005	72	4.511	...	...	...	...	...	3.52	4.55	5.26	5.87	6.57	7.57	8.57	9.57	10.56	12.53	14.51	17.48	20.43	23.39	26.35	28.72	36.20
2.25	40	2.506	90	5.639	...	...	...	...	...	...	...	...	4.44	5.17	6.20	7.21	8.22	9.22	11.21	13.19	16.17	19.13	22.09	25.05	27.42	34.91
2.33	48	3.008	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.54	6.58	7.61	9.63	11.64	14.63	17.60	20.57	23.54	25.91	33.41
2.35	34	2.130	80	5.013	...	...	...	...	...	...	3.96	4.70	5.31	6.03	7.04	8.04	9.04	10.04	12.02	14.00	16.97	19.93	22.89	25.84	28.21	35.70
2.37	38	2.381	90	5.639	...	...	...	...	...	...	...	...	4.52	5.26	6.28	7.30	8.31	9.31	11.30	13.29	16.26	19.22	22.19	25.14	27.51	35.00
Length Factor*					**0.77**	**0.81**	**0.83**	**0.84**	**0.86**	**0.88**	**0.90**	**0.92**	**0.94**	**0.95**	**0.98**	**1.00**	**1.01**	**1.03**	**1.06**	**1.09**	**1.13**	**1.16**	**1.19**	**1.22**	**1.24**	**1.29**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

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DODGE

5MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches																				
	Driver		Driven																						
	No. of Teeth	Pitch Dia. In.	No. of Teeth	Pitch Dia. In.	300-5M	355-5M	375-5M	400-5M	425-5M	450-5M	550-5M	535-5M	565-5M	600-5M	650-5M	700-5M	750-5M	800-5M	900-5M	1000-5M	1150-5M	1300-5M	1450-5M	1600-5M	1720-5M	2100-5M
Length Factor*					**0.77**	**0.81**	**0.83**	**0.84**	**0.86**	**0.88**	**0.90**	**0.92**	**0.94**	**0.95**	**0.98**	**1.00**	**1.01**	**1.03**	**1.06**	**1.09**	**1.13**	**1.16**	**1.19**	**1.22**	**1.24**	**1.29**
2.50	32	2.005	80	5.013	...	...	...	...	...	...	4.05	4.78	5.40	6.11	7.12	8.13	9.13	10.13	12.11	14.09	17.06	20.02	22.98	25.94	28.31	35.80
2.50	36	2.256	90	5.639	...	...	...	...	...	...	...	...	4.60	5.34	6.37	7.38	8.39	9.40	11.39	13.38	16.35	19.32	22.28	25.24	27.61	35.10
2.55	44	2.757	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.70	6.75	7.78	9.81	11.82	14.81	17.78	20.76	23.72	26.10	33.60
2.65	34	2.130	90	5.639	...	...	...	...	...	...	...	...	4.69	5.42	6.45	7.47	8.48	9.49	11.48	13.47	16.44	19.41	22.37	25.33	27.70	35.19
2.80	40	2.506	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.86	6.91	7.95	9.98	11.99	14.99	17.97	20.94	23.91	26.28	33.78
2.81	32	2.005	90	5.639	...	...	...	...	...	...	...	4.12	4.77	5.50	6.54	7.56	8.57	9.57	11.57	13.56	16.54	19.50	22.47	25.43	27.80	35.29
2.95	38	2.381	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.94	7.00	8.03	10.06	12.08	15.08	18.06	21.04	24.00	26.38	33.88
3.11	36	2.256	112	7.018	...	...	...	...	...	...	...	...	...	...	4.92	6.02	7.08	8.11	10.15	12.17	15.17	18.15	21.13	24.09	26.47	33.97
3.29	34	2.130	112	7.018	...	...	...	...	...	...	...	...	...	...	5.00	6.10	7.16	8.20	10.24	12.26	15.26	18.24	21.22	24.19	26.56	34.07
3.50	32	2.005	112	7.018	...	...	...	...	...	...	...	...	...	...	5.08	6.18	7.24	8.28	10.32	12.34	15.35	18.33	21.31	24.28	26.66	34.16
Length Factor*					**0.77**	**0.81**	**0.83**	**0.84**	**0.86**	**0.88**	**0.90**	**0.92**	**0.94**	**0.95**	**0.98**	**1.00**	**1.01**	**1.03**	**1.06**	**1.09**	**1.13**	**1.16**	**1.19**	**1.22**	**1.24**	**1.29**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

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DODGE

8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches														
	Driver		Driven		384-8M	480-8M	560-8M	600-8M	640-8M	720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches															
Length Factor*					**0.70**	**0.80**	**0.80**	**0.80**	**0.90**	**0.90**	**0.90**	**0.90**	**0.90**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
1.00	22	2.206	22	2.206	4.09	5.98	7.56	8.34	9.13	10.71	12.28	13.07	13.86	14.64	15.43	17.00	17.48	18.58	19.37	20.15
1.00	24	2.406	24	2.406	3.78	5.67	7.25	8.03	8.82	10.40	11.97	12.76	13.55	14.33	15.12	16.69	17.17	18.27	19.06	19.84
1.00	26	2.607	26	2.607	3.46	5.35	6.93	7.71	8.50	10.08	11.65	12.44	13.23	14.01	14.80	16.37	16.85	17.95	18.74	19.52
1.00	28	2.807	28	2.807	. . .	5.04	6.62	7.40	8.19	9.77	11.34	12.13	12.92	13.70	14.49	16.06	16.54	17.64	18.43	19.21
1.00	30	3.008	30	3.008	. . .	4.73	6.30	7.09	7.88	9.45	11.03	11.81	12.60	13.39	14.18	15.75	16.22	17.32	18.11	18.90
1.00	32	3.208	32	3.208	. . .	4.41	5.99	6.77	7.56	9.14	10.71	11.50	12.29	13.07	13.86	15.43	15.91	17.01	17.80	18.58
1.00	34	3.409	34	3.409	. . .	4.10	5.67	6.46	7.25	8.82	10.40	11.18	11.97	12.76	13.55	15.12	15.59	16.69	17.48	18.27
1.00	36	3.609	36	3.609	. . .	. . .	5.36	6.14	6.93	8.51	10.08	10.87	11.66	12.44	13.23	14.80	15.28	16.38	17.17	17.95
1.00	38	3.810	38	3.810	. . .	. . .	5.04	5.83	6.62	8.19	9.77	10.55	11.34	12.13	12.92	14.49	14.96	16.06	16.85	17.64
1.00	40	4.010	40	4.010	. . .	. . .	4.73	5.51	6.30	7.88	9.45	10.24	11.03	11.81	12.60	14.17	14.65	15.75	16.54	17.32
1.00	44	4.411	44	4.411	. . .	. . .	. . .	. . .	5.67	7.25	8.82	9.61	10.40	11.18	11.97	13.54	14.02	15.12	15.91	16.69
1.00	48	4.812	48	4.812	. . .	. . .	. . .	. . .	. . .	6.62	8.19	8.98	9.77	10.55	11.34	12.91	13.39	14.49	15.28	16.06
1.00	56	5.614	56	5.614	. . .	. . .	. . .	. . .	. . .	. . .	6.93	7.72	8.51	9.29	10.08	11.65	12.13	13.23	14.02	14.80
1.00	64	6.416	64	6.416	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	7.25	8.03	8.82	10.39	10.87	11.97	12.76	13.54
1.00	72	7.218	72	7.218	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	9.13	9.61	10.71	11.50	12.28
1.00	80	8.020	80	8.020	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	9.45	10.24	11.02
1.05	38	3.810	40	4.010	. . .	. . .	4.88	5.67	6.46	8.03	9.61	10.39	11.18	11.97	12.76	14.33	14.80	15.90	16.69	17.48
1.06	36	3.609	38	3.810	. . .	. . .	5.20	5.98	6.77	8.35	9.92	10.71	11.50	12.28	13.07	14.64	15.12	16.22	17.01	17.79
1.06	34	3.409	36	3.609	. . .	. . .	5.51	6.30	7.09	8.66	10.24	11.02	11.81	12.60	13.39	14.96	15.43	16.53	17.32	18.11
1.06	32	3.208	34	3.409	. . .	4.25	5.83	6.61	7.40	8.98	10.55	11.34	12.13	12.91	13.70	15.27	15.75	16.85	17.64	18.42
1.07	30	3.008	32	3.208	. . .	4.57	6.14	6.93	7.72	9.29	10.87	11.65	12.44	13.23	14.02	15.59	16.06	17.16	17.95	18.74
1.07	28	2.807	30	3.008	. . .	4.88	6.46	7.24	8.03	9.61	11.18	11.97	12.76	13.54	14.33	15.90	16.38	17.48	18.27	19.05
1.08	26	2.607	28	2.807	3.31	5.20	6.77	7.56	8.35	9.92	11.50	12.28	13.07	13.86	14.65	16.22	16.69	17.79	18.58	19.37
1.08	24	2.406	26	2.607	3.62	5.51	7.09	7.87	8.66	10.24	11.81	12.60	13.39	14.17	14.96	16.53	17.01	18.11	18.90	19.68
1.09	22	2.206	24	2.406	3.94	5.83	7.40	8.19	8.98	10.55	12.13	12.91	13.70	14.49	15.28	16.85	17.32	18.42	19.21	20.00
1.09	44	4.411	48	4.812	. . .	. . .	. . .	. . .	5.35	6.93	8.50	9.29	10.08	10.86	11.65	13.22	13.70	14.80	15.59	16.38
1.10	40	4.010	44	4.411	. . .	. . .	. . .	5.19	5.98	7.56	9.13	9.92	10.71	11.49	12.28	13.85	14.33	15.43	16.22	17.00
1.11	36	3.609	40	4.010	. . .	. . .	5.04	5.82	6.61	8.19	9.76	10.55	11.34	12.12	12.91	14.48	14.96	16.06	16.85	17.63
1.11	72	7.218	80	8.020	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	8.49	8.97	10.07	10.86	11.65
1.12	34	3.409	38	3.810	. . .	. . .	5.35	6.14	6.93	8.50	10.08	10.86	11.65	12.44	13.23	14.80	15.27	16.37	17.16	17.95
1.13	32	3.208	36	3.609	. . .	4.09	5.67	6.45	7.24	8.82	10.39	11.18	11.97	12.75	13.54	15.11	15.59	16.69	17.48	18.26
1.13	64	6.416	72	7.218	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	7.39	8.18	9.75	10.23	11.33	12.12	12.91
1.13	80	8.020	90	9.023	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	9.44	10.22
1.13	30	3.008	34	3.409	. . .	4.41	5.98	6.77	7.56	9.13	10.71	11.49	12.28	13.07	13.86	15.43	15.90	17.00	17.79	18.58
1.14	28	2.807	32	3.208	. . .	4.72	6.30	7.08	7.87	9.45	11.02	11.81	12.60	13.38	14.17	15.74	16.22	17.32	18.11	18.89
1.14	56	5.614	64	6.416	. . .	. . .	. . .	. . .	. . .	. . .	. . .	7.08	7.87	8.65	9.44	11.01	11.49	12.59	13.38	14.17
1.15	26	2.607	30	3.008	. . .	5.04	6.61	7.40	8.19	9.76	11.34	12.12	12.91	13.70	14.49	16.06	16.53	17.63	18.42	19.21
1.16	38	3.810	44	4.411	. . .	. . .	. . .	5.34	6.14	7.71	9.29	10.07	10.86	11.65	12.44	14.01	14.49	15.59	16.38	17.16
Length Factor*					**0.70**	**0.80**	**0.80**	**0.80**	**0.90**	**0.90**	**0.90**	**0.90**	**0.90**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

V-Drives
FHP Drives
Drive Component Accessories
DYNA-SYNC
HT200/HTD Synchronous Drives
HT500 Synchronous Drives
Roller Chain Sprockets

DODGE

8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches																
	Driver		Driven																		
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches	1224-8M	1280-8M	1440-8M	1512-8M	1584-8M	1600-8M	1760-8M	1800-8M	2000-8M	2200-8M	2400-8M	2600-8M	2800-8M	3048-8M	3280-8M	3600-8M	4400-8M
Length Factor*					**1.00**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**
1.00	22	2.206	22	2.206	20.63	21.73	24.88	26.30	27.71	28.03	31.18	31.97	35.90	39.84	43.78	47.71	51.65	56.53	61.10	67.40	83.15
1.00	24	2.406	24	2.406	20.32	21.42	24.57	25.99	27.40	27.72	30.87	31.66	35.59	39.53	43.47	47.40	51.34	56.22	60.79	67.09	82.84
1.00	26	2.607	26	2.607	20.00	21.10	24.25	25.67	27.08	27.40	30.55	31.34	35.27	39.21	43.15	47.08	51.02	55.90	60.47	66.77	82.52
1.00	28	2.807	28	2.807	19.69	20.79	23.94	25.36	26.77	27.09	30.24	31.03	34.96	38.90	42.84	46.77	50.71	55.59	60.16	66.46	82.21
1.00	30	3.008	30	3.008	19.37	20.47	23.62	25.04	26.46	26.77	29.92	30.71	34.65	38.58	42.52	46.46	50.40	55.28	59.84	66.14	81.89
1.00	32	3.208	32	3.208	19.06	20.16	23.31	24.73	26.14	26.46	29.61	30.40	34.33	38.27	42.21	46.14	50.08	54.96	59.53	65.83	81.58
1.00	34	3.409	34	3.409	18.74	19.84	22.99	24.41	25.83	26.14	29.29	30.08	34.02	37.95	41.89	45.83	49.77	54.65	59.21	65.51	81.26
1.00	36	3.609	36	3.609	18.43	19.53	22.68	24.10	25.51	25.83	28.98	29.77	33.70	37.64	41.58	45.51	49.45	54.33	58.90	65.20	80.95
1.00	38	3.810	38	3.810	18.11	19.21	22.36	23.78	25.20	25.51	28.66	29.45	33.39	37.32	41.26	45.20	49.14	54.02	58.58	64.88	80.63
1.00	40	4.010	40	4.010	17.80	18.90	22.05	23.47	24.88	25.20	28.35	29.14	33.07	37.01	40.95	44.88	48.82	53.70	58.27	64.57	80.32
1.00	44	4.411	44	4.411	17.17	18.27	21.42	22.84	24.25	24.57	27.72	28.51	32.44	36.38	40.32	44.25	48.19	53.07	57.64	63.94	79.69
1.00	48	4.812	48	4.812	16.54	17.64	20.79	22.21	23.62	23.94	27.09	27.88	31.81	35.75	39.69	43.62	47.56	52.44	57.01	63.31	79.06
1.00	56	5.614	56	5.614	15.28	16.38	19.53	20.95	22.36	22.68	25.83	26.62	30.55	34.49	38.43	42.36	46.30	51.18	55.75	62.05	77.80
1.00	64	6.416	64	6.416	14.02	15.12	18.27	19.69	21.10	21.42	24.57	25.36	29.29	33.23	37.17	41.10	45.04	49.92	54.49	60.79	76.54
1.00	72	7.218	72	7.218	12.76	13.86	17.01	18.43	19.84	20.16	23.31	24.10	28.03	31.97	35.91	39.84	43.78	48.66	53.23	59.53	75.28
1.00	80	8.020	80	8.020	11.50	12.60	15.75	17.17	18.58	18.90	22.05	22.84	26.77	30.71	34.65	38.58	42.52	47.40	51.97	58.27	74.02
1.05	38	3.810	40	4.010	17.95	19.05	22.20	23.62	25.04	25.35	28.50	29.29	33.23	37.16	41.10	45.04	48.98	53.86	58.42	64.72	80.47
1.06	36	3.609	38	3.810	18.27	19.37	22.52	23.94	25.35	25.67	28.82	29.61	33.54	37.48	41.42	45.35	49.29	54.17	58.74	65.04	80.79
1.06	34	3.409	36	3.609	18.58	19.68	22.83	24.25	25.67	25.98	29.13	29.92	33.86	37.79	41.73	45.67	49.61	54.49	59.05	65.35	81.10
1.06	32	3.208	34	3.409	18.90	20.00	23.15	24.57	25.98	26.30	29.45	30.24	34.17	38.11	42.05	45.98	49.92	54.80	59.37	65.67	81.42
1.07	30	3.008	32	3.208	19.21	20.31	23.46	24.88	26.30	26.61	29.76	30.55	34.49	38.42	42.36	46.30	50.24	55.12	59.68	65.98	81.73
1.07	28	2.807	30	3.008	19.53	20.63	23.78	25.20	26.61	26.93	30.08	30.87	34.80	38.74	42.68	46.61	50.55	55.43	60.00	66.30	82.05
1.08	26	2.607	28	2.807	19.84	20.94	24.09	25.51	26.93	27.24	30.39	31.18	35.12	39.05	42.99	46.93	50.87	55.75	60.31	66.61	82.36
1.08	24	2.406	26	2.607	20.16	21.26	24.41	25.83	27.24	27.56	30.71	31.50	35.43	39.37	43.31	47.24	51.18	56.06	60.63	66.93	82.68
1.09	22	2.206	24	2.406	20.47	21.57	24.72	26.14	27.56	27.87	31.02	31.81	35.75	39.68	43.62	47.56	51.50	56.38	60.94	67.24	82.99
1.09	44	4.411	48	4.812	16.85	17.95	21.10	22.52	23.94	24.25	27.40	28.19	32.13	36.06	40.00	43.94	47.88	52.76	57.32	63.62	79.37
1.10	40	4.010	44	4.411	17.48	18.58	21.73	23.15	24.57	24.88	28.03	28.82	32.76	36.69	40.63	44.57	48.51	53.39	57.95	64.25	80.00
1.11	36	3.609	40	4.010	18.11	19.21	22.36	23.78	25.20	25.51	28.66	29.45	33.39	37.32	41.26	45.20	49.14	54.02	58.58	64.88	80.63
1.11	72	7.218	80	8.020	12.12	13.22	16.37	17.79	19.21	19.52	22.67	23.46	27.40	31.33	35.27	39.21	43.15	48.03	52.60	58.90	74.65
1.12	34	3.409	38	3.810	18.42	19.52	22.67	24.09	25.51	25.82	28.97	29.76	33.70	37.63	41.57	45.51	49.45	54.33	58.89	65.19	80.94
1.13	32	3.208	36	3.609	18.74	19.84	22.99	24.41	25.83	26.14	29.29	30.08	34.02	37.95	41.89	45.83	49.77	54.65	59.21	65.51	81.26
1.13	64	6.416	72	7.218	13.38	14.48	17.63	19.05	20.47	20.78	23.93	24.72	28.66	32.59	36.53	40.47	44.41	49.29	53.86	60.16	75.91
1.13	80	8.020	90	9.023	10.70	11.80	14.95	16.37	17.79	18.10	21.25	22.04	25.98	29.92	33.86	37.79	41.73	46.61	51.18	57.48	73.23
1.13	30	3.008	34	3.409	19.05	20.15	23.30	24.72	26.14	26.45	29.60	30.39	34.33	38.26	42.20	46.14	50.08	54.96	59.52	65.82	81.57
1.14	28	2.807	32	3.208	19.37	20.47	23.62	25.04	26.46	26.77	29.92	30.71	34.65	38.58	42.52	46.46	50.40	55.28	59.84	66.14	81.89
1.14	56	5.614	64	6.416	14.64	15.74	18.89	20.31	21.73	22.04	25.19	25.98	29.92	33.85	37.79	41.73	45.67	50.55	55.12	61.42	77.17
1.15	26	2.607	30	3.008	19.68	20.78	23.93	25.35	26.77	27.08	30.23	31.02	34.96	38.89	42.83	46.77	50.71	55.59	60.15	66.45	82.20
1.16	38	3.810	44	4.411	17.64	18.74	21.89	23.31	24.72	25.04	28.19	28.98	32.91	36.85	40.79	44.72	48.66	53.54	58.11	64.41	80.16
Length Factor*					**1.00**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

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SELECTION

DODGE

8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches														
	Driver		Driven																
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches	384-8M	480-8M	560-8M	600-8M	640-8M	720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M
Length Factor*					**0.70**	**0.80**	**0.80**	**0.80**	**0.90**	**0.90**	**0.90**	**0.90**	**0.90**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
1.17	24	2.406	28	2.807	3.46	5.35	6.93	7.71	8.50	10.08	11.65	12.44	13.23	14.01	14.80	16.37	16.85	17.95	18.74	19.52
1.17	48	4.812	56	5.614	. . .	. . .	. . .	. . .	. . .	5.97	7.55	8.34	9.13	9.91	10.70	12.27	12.75	13.85	14.64	15.43
1.18	34	3.409	40	4.010	. . .	. . .	5.19	5.98	6.77	8.34	9.92	10.70	11.49	12.28	13.07	14.64	15.12	16.22	17.01	17.79
1.18	22	2.206	26	2.607	3.77	5.67	7.24	8.03	8.82	10.39	11.97	12.75	13.54	14.33	15.12	16.69	17.16	18.26	19.05	19.84
1.19	32	3.208	38	3.810	. . .	. . .	5.50	6.29	7.08	8.66	10.23	11.02	11.81	12.59	13.38	14.96	15.43	16.53	17.32	18.11
1.20	30	3.008	36	3.609	. . .	4.24	5.82	6.61	7.40	8.97	10.55	11.33	12.12	12.91	13.70	15.27	15.75	16.85	17.64	18.42
1.20	40	4.010	48	4.812	. . .	. . .	. . .	. . .	5.66	7.24	8.81	9.60	10.39	11.17	11.96	13.54	14.01	15.11	15.90	16.69
1.21	28	2.807	34	3.409	. . .	4.56	6.14	6.92	7.71	9.29	10.86	11.65	12.44	13.22	14.01	15.59	16.06	17.16	17.95	18.74
1.22	36	3.609	44	4.411	. . .	. . .	4.71	5.50	6.29	7.87	9.44	10.23	11.02	11.80	12.59	14.17	14.64	15.74	16.53	17.32
1.23	26	2.607	32	3.208	. . .	4.87	6.45	7.24	8.03	9.60	11.18	11.96	12.75	13.54	14.33	15.90	16.38	17.48	18.27	19.05
1.25	24	2.406	30	3.008	3.29	5.19	6.77	7.55	8.34	9.92	11.49	12.28	13.07	13.85	14.64	16.22	16.69	17.79	18.58	19.37
1.25	32	3.208	40	4.010	. . .	. . .	5.34	6.13	6.92	8.50	10.07	10.86	11.65	12.43	13.22	14.80	15.27	16.37	17.16	17.95
1.25	64	6.416	80	8.020	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	9.10	9.57	10.68	11.47	12.26
1.25	72	7.218	90	9.023	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	9.25	10.04	10.83
1.26	38	3.810	48	4.812	. . .	. . .	. . .	5.01	5.81	7.39	8.96	9.75	10.54	11.33	12.12	13.69	14.16	15.27	16.06	16.84
1.27	30	3.008	38	3.810	. . .	4.08	5.66	6.44	7.23	8.81	10.39	11.17	11.96	12.75	13.54	15.11	15.58	16.69	17.48	18.26
1.27	22	2.206	28	2.807	3.61	5.50	7.08	7.87	8.66	10.23	11.81	12.59	13.38	14.17	14.96	16.53	17.01	18.11	18.90	19.68
1.27	44	4.411	56	5.614	. . .	. . .	. . .	. . .	. . .	6.27	7.85	8.64	9.43	10.22	11.01	12.58	13.06	14.16	14.95	15.73
1.29	28	2.807	36	3.609	. . .	4.39	5.97	6.76	7.55	9.13	10.70	11.49	12.28	13.06	13.86	15.43	15.90	17.00	17.79	18.58
1.29	56	5.614	72	7.218	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	7.20	7.99	8.79	10.36	10.84	11.94	12.73	13.52
1.29	34	3.409	44	4.411	. . .	. . .	4.86	5.65	6.44	8.02	9.60	10.38	11.17	11.96	12.75	14.32	14.79	15.90	16.69	17.47
1.31	26	2.607	34	3.409	. . .	4.71	6.29	7.07	7.86	9.44	11.02	11.80	12.59	13.38	14.17	15.74	16.22	17.32	18.11	18.89
1.33	24	2.406	32	3.208	. . .	5.02	6.60	7.39	8.18	9.76	11.33	12.12	12.91	13.69	14.49	16.06	16.53	17.63	18.42	19.21
1.33	30	3.008	40	4.010	. . .	. . .	5.49	6.28	7.07	8.65	10.23	11.01	11.80	12.59	13.38	14.95	15.42	16.53	17.32	18.10
1.33	36	3.609	48	4.812	. . .	. . .	. . .	5.16	5.96	7.54	9.12	9.90	10.69	11.48	12.27	13.84	14.32	15.42	16.21	17.00
1.33	48	4.812	64	6.416	. . .	. . .	. . .	. . .	. . .	. . .	6.88	7.67	8.47	9.26	10.05	11.62	12.10	13.20	13.99	14.78
1.36	28	2.807	38	3.810	. . .	4.22	5.81	6.59	7.39	8.96	10.54	11.33	12.12	12.90	13.69	15.26	15.74	16.84	17.63	18.42
1.36	22	2.206	30	3.008	3.44	5.34	6.92	7.70	8.50	10.07	11.65	12.43	13.22	14.01	14.80	16.37	16.85	17.95	18.74	19.52
1.38	32	3.208	44	4.411	. . .	. . .	5.00	5.79	6.59	8.17	9.75	10.53	11.33	12.11	12.90	14.47	14.95	16.05	16.84	17.63
1.39	26	2.607	36	3.609	. . .	4.54	6.12	6.91	7.70	9.28	10.86	11.64	12.43	13.22	14.01	15.58	16.06	17.16	17.95	18.73
1.40	40	4.010	56	5.614	. . .	. . .	. . .	. . .	. . .	6.57	8.15	8.94	9.73	10.52	11.31	12.89	13.36	14.46	15.26	16.04
1.40	80	8.020	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
1.41	64	6.416	90	9.023	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	8.24	8.72	9.83	10.63	11.42
1.41	34	3.409	48	4.812	. . .	. . .	. . .	5.31	6.10	7.69	9.27	10.05	10.85	11.63	12.42	14.00	14.47	15.57	16.36	17.15
1.42	24	2.406	34	3.409	. . .	4.86	6.44	7.23	8.02	9.59	11.17	11.96	12.75	13.53	14.32	15.89	16.37	17.47	18.26	19.05
1.43	28	2.807	40	4.010	. . .	4.05	5.64	6.43	7.22	8.80	10.38	11.16	11.96	12.74	13.53	15.10	15.58	16.68	17.47	18.26
1.43	56	5.614	80	8.020	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	8.10	9.69	10.17	11.27	12.07	12.86
1.46	22	2.206	32	3.208	3.27	5.17	6.75	7.54	8.33	9.91	11.49	12.27	13.06	13.85	14.64	16.21	16.69	17.79	18.58	19.36
Length Factor*					**0.70**	**0.80**	**0.80**	**0.80**	**0.90**	**0.90**	**0.90**	**0.90**	**0.90**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

DODGE

8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches															
	Driver		Driven																	
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches	1224-8M	1280-8M	1440-8M	1512-8M	1584-8M	1600-8M	1760-8M	1800-8M	2000-8M	2200-8M	2400-8M	2600-8M	2800-8M	3048-8M	3280-8M	3600-8M	4400-8M
Length Factor*					**1.00**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**
1.17	24	2.406	28	2.807	20.00	21.10	24.25	25.67	27.08	27.40	30.55	31.34	35.28	39.21	43.15	47.09	51.03	55.91	60.47	66.77	82.52
1.17	48	4.812	56	5.614	15.90	17.00	20.15	21.57	22.99	23.30	26.45	27.24	31.18	35.11	39.05	42.99	46.93	51.81	56.38	62.68	78.43
1.18	34	3.409	40	4.010	18.27	19.37	22.52	23.94	25.35	25.67	28.82	29.61	33.54	37.48	41.42	45.35	49.29	54.17	58.74	65.04	80.79
1.18	22	2.206	26	2.607	20.31	21.41	24.56	25.98	27.40	27.71	30.86	31.65	35.59	39.52	43.46	47.40	51.34	56.22	60.78	67.08	82.83
1.19	32	3.208	38	3.810	18.58	19.68	22.83	24.25	25.67	25.98	29.13	29.92	33.86	37.79	41.73	45.67	49.61	54.49	59.05	65.35	81.10
1.20	30	3.008	36	3.609	18.90	20.00	23.15	24.57	25.98	26.30	29.45	30.24	34.17	38.11	42.05	45.98	49.92	54.80	59.37	65.67	81.42
1.20	40	4.010	48	4.812	17.16	18.26	21.41	22.83	24.25	24.56	27.71	28.50	32.44	36.37	40.31	44.25	48.19	53.07	57.63	63.93	79.69
1.21	28	2.807	34	3.409	19.21	20.31	23.46	24.88	26.30	26.61	29.76	30.55	34.49	38.42	42.36	46.30	x50.24	55.12	59.68	65.98	81.73
1.22	36	3.609	44	4.411	17.79	18.89	22.04	23.46	24.88	25.19	28.34	29.13	33.07	37.00	40.94	44.88	48.82	53.70	58.26	64.56	80.32
1.23	26	2.607	32	3.208	19.53	20.63	23.78	25.20	26.61	26.93	30.08	30.87	34.80	38.74	42.68	46.61	50.55	55.43	60.00	66.30	82.05
1.25	24	2.406	30	3.008	19.84	20.94	24.09	25.51	26.93	27.24	30.39	31.18	35.12	39.05	42.99	46.93	50.87	55.75	60.31	66.61	82.36
1.25	32	3.208	40	4.010	18.42	19.52	22.67	24.09	25.51	25.82	28.97	29.76	33.70	37.63	41.57	45.51	49.45	54.33	58.89	65.19	80.95
1.25	64	6.416	80	8.020	12.73	13.83	16.99	18.41	19.83	20.14	23.29	24.08	28.02	31.96	35.90	39.83	43.77	48.66	53.22	59.52	75.27
1.25	72	7.218	90	9.023	11.30	12.41	15.56	16.99	18.40	18.72	21.87	22.66	26.60	30.54	34.48	38.41	42.35	47.24	51.80	58.10	73.85
1.26	38	3.810	48	4.812	17.32	18.42	21.57	22.99	24.40	24.72	27.87	28.66	32.59	36.53	40.47	44.41	48.35	53.23	57.79	64.09	79.84
1.27	30	3.008	38	3.810	18.74	19.84	22.99	24.41	25.82	26.14	29.29	30.08	34.01	37.95	41.89	45.82	49.76	54.64	59.21	65.51	81.26
1.27	22	2.206	28	2.807	20.16	21.26	24.41	25.83	27.24	27.56	30.71	31.50	35.43	39.37	43.31	47.24	51.18	56.06	60.63	66.93	82.68
1.27	44	4.411	56	5.614	16.21	17.31	20.46	21.88	23.30	23.61	26.76	27.55	31.49	35.43	39.37	43.30	47.24	52.12	56.69	62.99	78.74
1.29	28	2.807	36	3.609	19.05	20.15	23.30	24.72	26.14	26.45	29.60	30.39	34.33	38.26	42.20	46.14	50.08	54.96	59.52	65.82	81.57
1.29	56	5.614	72	7.218	13.99	15.10	18.25	19.67	21.09	21.40	24.55	25.34	29.28	33.22	37.16	41.09	45.03	49.92	54.48	60.78	76.53
1.29	34	3.409	44	4.411	17.95	19.05	22.20	23.62	25.03	25.35	28.50	29.29	33.22	37.16	41.10	45.04	48.98	53.86	58.42	64.72	80.47
1.31	26	2.607	34	3.409	19.37	20.47	23.62	25.04	26.45	26.77	29.92	30.71	34.64	38.58	42.52	46.45	50.39	55.27	59.84	66.14	81.89
1.33	24	2.406	32	3.208	19.68	20.78	23.93	25.35	26.77	27.08	30.23	31.02	34.96	38.89	42.83	46.77	50.71	55.59	60.15	66.45	82.20
1.33	30	3.008	40	4.010	18.58	19.68	22.83	24.25	25.66	25.98	29.13	29.92	33.85	37.79	41.73	45.67	49.61	54.49	59.05	65.35	81.10
1.33	36	3.609	48	4.812	17.47	18.57	21.72	23.14	24.56	24.87	28.02	28.81	32.75	36.69	40.63	44.56	48.50	53.38	57.95	64.25	80.00
1.33	48	4.812	64	6.416	15.26	16.36	19.51	20.93	22.35	22.66	25.81	26.60	30.54	34.48	38.42	42.35	46.29	51.18	55.74	62.04	77.79
1.36	28	2.807	38	3.810	18.89	19.99	23.14	24.56	25.98	26.29	29.44	30.23	34.17	38.10	42.05	45.98	49.92	54.80	59.37	65.67	81.42
1.36	22	2.206	30	3.008	20.00	21.10	24.25	25.67	27.08	27.40	30.55	31.34	35.27	39.21	43.15	47.08	51.02	55.90	60.47	66.77	82.52
1.38	32	3.208	44	4.411	18.10	19.20	22.35	23.77	25.19	25.50	28.65	29.44	33.38	37.32	41.26	45.19	49.13	54.01	58.58	64.88	80.63
1.39	26	2.607	36	3.609	19.21	20.31	23.46	24.88	26.29	26.61	29.76	30.55	34.48	38.42	42.36	46.30	50.24	55.12	59.68	65.98	81.73
1.40	40	4.010	56	5.614	16.52	17.62	20.77	22.19	23.61	23.92	27.07	27.86	31.80	35.74	39.68	43.61	47.55	52.44	57.00	63.30	79.05
1.40	80	8.020	112	11.229	. . .	9.95	13.13	14.56	15.98	16.30	19.46	20.25	24.20	28.14	32.09	36.03	39.97	44.85	49.42	55.72	71.48
1.41	64	6.416	90	9.023	11.90	13.00	16.17	17.59	19.01	19.33	22.48	23.27	27.21	31.15	35.10	39.03	42.97	47.86	52.42	58.72	74.48
1.41	34	3.409	48	4.812	17.62	18.73	21.88	23.30	24.71	25.03	28.18	28.97	32.91	36.84	40.78	44.72	48.66	53.54	58.10	64.40	80.16
1.42	24	2.406	34	3.409	19.52	20.62	23.77	25.19	26.61	26.92	30.07	30.86	34.80	38.73	42.67	46.61	50.55	55.43	60.00	66.30	82.05
1.43	28	2.807	40	4.010	18.73	19.83	22.98	24.40	25.82	26.13	29.28	30.07	34.01	37.95	41.89	45.82	49.76	54.64	59.21	65.51	81.26
1.43	56	5.614	80	8.020	13.33	14.44	17.60	19.02	20.44	20.75	23.91	24.70	28.64	32.57	36.52	40.45	44.40	49.28	53.84	60.14	75.90
1.46	22	2.206	32	3.208	19.84	20.94	24.09	25.51	26.92	27.24	30.39	31.18	35.11	39.05	42.99	46.93	50.87	55.75	60.31	66.61	82.36
Length Factor*					**1.00**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

V-Drives
FHP Drives
Drive Component Accessories
DYNA-SYNC
HT200/HTD Synchronous Drives
HT500 Synchronous Drives
Roller Chain Sprockets

SELECTION

8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven															
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches	480-8M	560-8M	600-8M	640-8M	720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M
Length Factor*					**0.80**	**0.80**	**0.80**	**0.90**	**0.90**	**0.90**	**0.90**	**0.90**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
1.46	44	4.411	64	6.416	...	...	...	...	...	7.18	7.97	8.76	9.55	10.35	11.92	12.40	13.50	14.30	15.08
1.46	26	2.607	38	3.810	4.37	5.95	6.74	7.54	9.12	10.69	11.48	12.27	13.06	13.85	15.42	15.89	16.99	17.78	18.57
1.47	30	3.008	44	4.411	...	5.15	5.94	6.74	8.32	9.90	10.69	11.48	12.26	13.05	14.63	15.10	16.20	16.99	17.78
1.47	38	3.810	56	5.614	...	...	...	...	6.71	8.30	9.09	9.88	10.67	11.46	13.04	13.51	14.62	15.41	16.19
1.50	24	2.406	36	3.609	4.69	6.27	7.06	7.85	9.43	11.01	11.80	12.59	13.37	14.16	15.73	16.21	17.31	18.10	18.89
1.50	32	3.208	48	4.812	...	4.66	5.45	6.25	7.84	9.42	10.20	11.00	11.78	12.58	14.15	14.62	15.73	16.52	17.30
1.50	48	4.812	72	7.218	...	...	...	...	...	...	6.98	7.78	8.58	9.37	10.96	11.43	12.54	13.33	14.12
1.54	26	2.607	40	4.010	4.19	5.79	6.58	7.37	8.95	10.53	11.32	12.11	12.89	13.69	15.26	15.73	16.83	17.62	18.41
1.55	22	2.206	34	3.409	5.00	6.59	7.38	8.17	9.75	11.32	12.11	12.90	13.69	14.48	16.05	16.52	17.62	18.42	19.20
1.56	36	3.609	56	5.614	...	...	...	5.26	6.86	8.45	9.24	10.03	10.82	11.61	13.19	13.66	14.77	15.56	16.35
1.56	72	7.218	112	11.229	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1.57	28	2.807	44	4.411	...	5.30	6.09	6.88	8.47	10.05	10.84	11.63	12.42	13.21	14.78	15.25	16.36	17.15	17.93
1.58	24	2.406	38	3.810	4.51	6.10	6.89	7.69	9.27	10.85	11.63	12.42	13.21	14.00	15.57	16.05	17.15	17.94	18.72
1.60	30	3.008	48	4.812	...	4.80	5.60	6.39	7.98	9.57	10.35	11.15	11.93	12.73	14.30	14.78	15.88	16.67	17.45
1.60	40	4.010	64	6.416	...	...	...	...	5.86	7.46	8.26	9.06	9.85	10.64	12.22	12.70	13.80	14.60	15.38
1.61	56	5.614	90	9.023	...	...	...	...	...	...	...	...	...	...	8.81	9.29	10.41	11.21	12.00
1.64	22	2.206	36	3.609	4.83	6.42	7.21	8.00	9.58	11.16	11.95	12.74	13.52	14.32	15.89	16.36	17.46	18.25	19.04
1.64	44	4.411	72	7.218	...	...	...	...	...	6.46	7.27	8.07	8.87	9.66	11.25	11.73	12.83	13.63	14.42
1.65	34	3.409	56	5.614	...	...	...	5.40	7.00	8.59	9.38	10.18	10.97	11.76	13.34	13.81	14.92	15.71	16.50
1.67	24	2.406	40	4.010	4.34	5.93	6.72	7.52	9.10	10.68	11.47	12.26	13.05	13.84	15.41	15.89	16.99	17.78	18.56
1.67	48	4.812	80	8.020	...	...	...	...	...	...	...	7.06	7.87	8.67	10.27	10.75	11.86	12.65	13.45
1.68	38	3.810	64	6.416	...	...	...	...	6.00	7.61	8.40	9.20	9.99	10.79	12.37	12.85	13.95	14.75	15.53
1.69	26	2.607	44	4.411	...	5.44	6.23	7.03	8.62	10.20	10.99	11.78	12.57	13.36	14.93	15.41	16.51	17.30	18.09
1.71	28	2.807	48	4.812	...	4.94	5.74	6.54	8.13	9.71	10.50	11.30	12.08	12.88	14.45	14.93	16.03	16.82	17.61
1.73	22	2.206	38	3.810	4.66	6.25	7.04	7.83	9.42	11.00	11.78	12.57	13.36	14.15	15.72	16.20	17.30	18.09	18.88
1.75	32	3.208	56	5.614	...	...	...	5.54	7.14	8.74	9.53	10.33	11.12	11.91	13.49	13.96	15.07	15.86	16.65
1.75	64	6.416	112	11.229	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9.45
1.78	36	3.609	64	6.416	...	...	...	...	6.14	7.75	8.55	9.35	10.14	10.94	12.52	13.00	14.10	14.90	15.68
1.80	40	4.010	72	7.218	...	...	...	...	...	6.74	7.55	8.35	9.15	9.95	11.54	12.02	13.13	13.92	14.71
1.80	80	8.020	144	14.437	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1.82	22	2.206	40	4.010	4.48	6.08	6.87	7.66	9.25	10.83	11.62	12.41	13.20	13.99	15.56	16.04	17.14	17.93	18.72
1.82	44	4.411	80	8.020	...	...	...	...	...	...	...	7.34	8.15	8.95	10.55	11.03	12.15	12.95	13.74
1.83	24	2.406	44	4.411	3.97	5.58	6.38	7.18	8.76	10.35	11.14	11.93	12.72	13.51	15.08	15.56	16.66	17.45	18.24
1.85	26	2.607	48	4.812	...	5.08	5.88	6.68	8.27	9.86	10.65	11.44	12.23	13.03	14.60	15.08	16.18	16.97	17.76
1.87	30	3.008	56	5.614	...	...	4.86	5.68	7.29	8.88	9.68	10.47	11.26	12.06	13.64	14.11	15.22	16.01	16.80
1.88	48	4.812	90	9.023	...	...	...	...	...	...	...	...	...	7.75	9.37	9.85	10.98	11.78	12.58
1.88	34	3.409	64	6.416	...	...	...	...	6.28	7.89	8.69	9.49	10.28	11.08	12.66	13.14	14.25	15.04	15.83
1.90	38	3.810	72	7.218	...	...	...	...	...	6.88	7.68	8.49	9.29	10.09	11.68	12.16	13.27	14.07	14.86
Length Factor*					**0.80**	**0.80**	**0.80**	**0.90**	**0.90**	**0.90**	**0.90**	**0.90**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches															
	Driver		Driven		1224-8M	1280-8M	1440-8M	1512-8M	1584-8M	1600-8M	1760-8M	1800-8M	2000-8M	2200-8M	2400-8M	2600-8M	2800-8M	3048-8M	3280-8M	3600-8M	4400-8M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches																	
Length Factor*					**1.00**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**
1.46	44	4.411	64	6.416	15.56	16.66	19.82	21.24	22.65	22.97	26.12	26.91	30.85	34.79	38.73	42.66	46.61	51.49	56.05	62.35	78.11
1.46	26	2.607	38	3.810	19.05	20.15	23.30	24.72	26.13	26.45	29.60	30.39	34.32	38.26	42.20	46.14	50.08	54.96	59.52	65.82	81.57
1.47	30	3.008	44	4.411	18.25	19.36	22.51	23.93	25.34	25.66	28.81	29.60	33.54	37.47	41.41	45.35	49.29	54.17	58.73	65.03	80.79
1.47	38	3.810	56	5.614	16.67	17.77	20.92	22.35	23.76	24.08	27.23	28.02	31.96	35.89	39.83	43.77	47.71	52.59	57.16	63.46	79.21
1.50	24	2.406	36	3.609	19.36	20.46	23.61	25.03	26.45	26.76	29.91	30.70	34.64	38.58	42.52	46.45	50.39	55.27	59.84	66.14	81.89
1.50	32	3.208	48	4.812	17.78	18.88	22.03	23.45	24.87	25.18	28.33	29.13	33.06	37.00	40.94	44.87	48.81	53.70	58.26	64.56	80.31
1.50	48	4.812	72	7.218	14.60	15.70	18.86	20.28	21.70	22.01	25.17	25.96	29.90	33.84	37.78	41.71	45.66	50.54	55.10	61.40	77.16
1.54	26	2.607	40	4.010	18.88	19.99	23.14	24.56	25.97	26.29	29.44	30.23	34.17	38.10	42.04	45.98	49.92	54.80	59.36	65.66	81.41
1.55	22	2.206	34	3.409	19.68	20.78	23.93	25.35	26.76	27.08	30.23	31.02	34.95	38.89	42.83	46.77	50.71	55.59	60.15	66.45	82.20
1.56	36	3.609	56	5.614	16.82	17.92	21.08	22.50	23.92	24.23	27.38	28.17	32.11	36.05	39.99	43.92	47.87	52.75	57.31	63.61	79.36
1.56	72	7.218	112	11.229	. . .	10.51	13.71	15.14	16.57	16.89	20.06	20.85	24.80	28.75	32.70	36.64	40.58	45.47	50.04	56.34	72.10
1.57	28	2.807	44	4.411	18.41	19.51	22.66	24.08	25.50	25.81	28.96	29.76	33.69	37.63	41.57	45.50	49.44	54.33	58.89	65.19	80.94
1.58	24	2.406	38	3.810	19.20	20.30	23.45	24.87	26.29	26.60	29.75	30.54	34.48	38.42	42.36	46.29	50.23	55.11	59.68	65.98	81.73
1.60	30	3.008	48	4.812	17.93	19.03	22.18	23.61	25.02	25.34	28.49	29.28	33.22	37.15	41.09	45.03	48.97	53.85	58.42	64.72	80.47
1.60	40	4.010	64	6.416	15.86	16.96	20.12	21.54	22.96	23.28	26.43	27.22	31.16	35.10	39.04	42.97	46.92	51.80	56.36	62.66	78.42
1.61	56	5.614	90	9.023	12.48	13.59	16.76	18.19	19.61	19.93	23.09	23.88	27.82	31.76	35.71	39.65	43.59	48.47	53.04	59.34	75.10
1.64	22	2.206	36	3.609	19.52	20.62	23.77	25.19	26.60	26.92	30.07	30.86	34.80	38.73	42.67	46.61	50.55	55.43	59.99	66.29	82.04
1.64	44	4.411	72	7.218	14.90	16.00	19.16	20.58	22.00	22.32	25.47	26.26	30.20	34.14	38.09	42.02	45.97	50.85	55.41	61.72	77.47
1.65	34	3.409	56	5.614	16.97	18.07	21.23	22.65	24.07	24.38	27.54	28.33	32.26	36.20	40.14	44.08	48.02	52.90	57.47	63.77	79.52
1.67	24	2.406	40	4.010	19.04	20.14	23.29	24.71	26.13	26.44	29.60	30.39	34.32	38.26	42.20	46.13	50.07	54.96	59.52	65.82	81.57
1.67	48	4.812	80	8.020	13.92	15.03	18.20	19.62	21.04	21.36	24.51	25.31	29.25	33.19	37.13	41.07	45.01	49.90	54.46	60.77	76.52
1.68	38	3.810	64	6.416	16.01	17.11	20.27	21.69	23.11	23.43	26.58	27.37	31.31	35.25	39.19	43.13	47.07	51.95	56.52	62.82	78.57
1.69	26	2.607	44	4.411	18.56	19.66	22.82	24.24	25.65	25.97	29.12	29.91	33.85	37.78	41.72	45.66	49.60	54.48	59.05	65.35	81.10
1.71	28	2.807	48	4.812	18.08	19.18	22.34	23.76	25.18	25.49	28.64	29.43	33.37	37.31	41.25	45.18	49.13	54.01	58.57	64.87	80.62
1.73	22	2.206	38	3.810	19.35	20.45	23.61	25.03	26.44	26.76	29.91	30.70	34.64	38.57	42.51	46.45	50.39	55.27	59.83	66.14	81.89
1.75	32	3.208	56	5.614	17.12	18.23	21.38	22.80	24.22	24.54	27.69	28.48	32.42	36.36	40.30	44.23	48.18	53.06	57.62	63.92	79.68
1.75	64	6.416	112	11.229	9.94	11.07	14.28	15.72	17.15	17.47	20.65	21.44	25.40	29.35	33.30	37.24	41.19	46.08	50.65	56.96	72.72
1.78	36	3.609	64	6.416	16.16	17.26	20.42	21.85	23.26	23.58	26.73	27.53	31.47	35.40	39.35	43.28	47.23	52.11	56.67	62.98	78.73
1.80	40	4.010	72	7.218	15.19	16.30	19.46	20.88	22.30	22.62	25.78	26.57	30.51	34.45	38.39	42.33	46.27	51.16	55.72	62.03	77.78
1.80	80	8.020	144	14.437	. . .	. . .	. . .	11.68	13.15	13.47	16.70	17.50	21.49	25.46	29.43	33.39	37.34	42.24	46.82	53.13	68.90
1.82	22	2.206	40	4.010	19.19	20.29	23.45	24.87	26.28	26.60	29.75	30.54	34.48	38.41	42.35	46.29	50.23	55.11	59.68	65.98	81.73
1.82	44	4.411	80	8.020	14.22	15.33	18.49	19.92	21.34	21.66	24.82	25.61	29.55	33.49	37.44	41.38	45.32	50.20	54.77	61.08	76.83
1.83	24	2.406	44	4.411	18.71	19.82	22.97	24.39	25.81	26.12	29.27	30.06	34.00	37.94	41.88	45.81	49.76	54.64	59.20	65.50	81.25
1.85	26	2.607	48	4.812	18.23	19.34	22.49	23.91	25.33	25.64	28.80	29.59	33.53	37.46	41.40	45.34	49.28	54.16	58.73	65.03	80.78
1.87	30	3.008	56	5.614	17.27	18.38	21.53	22.96	24.37	24.69	27.84	28.63	32.57	36.51	40.45	44.39	48.33	53.21	57.78	64.08	79.83
1.88	48	4.812	90	9.023	13.06	14.17	17.35	18.78	20.20	20.52	23.69	24.48	28.43	32.37	36.32	40.26	44.20	49.09	53.66	59.96	75.72
1.88	34	3.409	64	6.416	16.31	17.41	20.57	22.00	23.42	23.73	26.89	27.68	31.62	35.56	39.50	43.44	47.38	52.26	56.83	63.13	78.88
1.90	38	3.810	72	7.218	15.34	16.45	19.61	21.03	22.45	22.77	25.93	26.72	30.66	34.60	38.55	42.48	46.43	51.31	55.88	62.18	77.94
Length Factor*					**1.00**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

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SELECTION

8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven															
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches	560-8M	600-8M	640-8M	720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.90**	**0.90**	**0.90**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
2.00	22	2.206	44	4.411	5.72	6.52	7.32	8.91	10.50	11.28	12.08	12.87	13.66	15.23	15.71	16.81	17.60	18.39
2.00	24	2.406	48	4.812	5.22	6.02	6.82	8.42	10.01	10.80	11.59	12.38	13.18	14.75	15.23	16.33	17.12	17.91
2.00	28	2.807	56	5.614	. . .	5.00	5.82	7.43	9.03	9.82	10.62	11.41	12.21	13.78	14.26	15.37	16.16	16.95
2.00	32	3.208	64	6.416	. . .	. . .	. . .	6.41	8.03	8.83	9.63	10.43	11.23	12.81	13.29	14.40	15.19	15.98
2.00	36	3.609	72	7.218	. . .	. . .	. . .	. . .	7.01	7.82	8.63	9.43	10.24	11.83	12.31	13.42	14.22	15.01
2.00	40	4.010	80	8.020	. . .	. . .	. . .	. . .	. . .	6.79	7.61	8.42	9.23	10.84	11.32	12.43	13.23	14.03
2.00	56	5.614	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	9.17	9.99
2.00	72	7.218	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2.05	44	4.411	90	9.023	. . .	. . .	. . .	. . .	. . .	. . .	. . .	7.19	8.01	9.64	10.13	11.26	12.06	12.86
2.11	38	3.810	80	8.020	. . .	. . .	. . .	. . .	. . .	6.92	7.75	8.56	9.37	10.98	11.46	12.58	13.38	14.17
2.12	34	3.409	72	7.218	. . .	. . .	. . .	. . .	7.15	7.96	8.77	9.57	10.38	11.97	12.45	13.56	14.36	15.15
2.13	30	3.008	64	6.416	. . .	. . .	. . .	6.55	8.17	8.97	9.77	10.57	11.37	12.96	13.44	14.54	15.34	16.13
2.15	26	2.607	56	5.614	. . .	5.13	5.95	7.57	9.17	9.96	10.76	11.56	12.35	13.93	14.41	15.52	16.31	17.10
2.18	22	2.206	48	4.812	5.35	6.16	6.97	8.56	10.15	10.95	11.74	12.53	13.32	14.90	15.38	16.48	17.27	18.06
2.22	36	3.609	80	8.020	. . .	. . .	. . .	. . .	. . .	7.05	7.88	8.70	9.51	11.12	11.60	12.72	13.52	14.32
2.25	32	3.208	72	7.218	. . .	. . .	. . .	. . .	7.28	8.10	8.91	9.71	10.52	12.12	12.60	13.71	14.51	15.30
2.25	40	4.010	90	9.023	. . .	. . .	. . .	. . .	. . .	. . .	. . .	7.45	8.28	9.92	10.41	11.54	12.34	13.14
2.25	64	6.416	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2.29	28	2.807	64	6.416	. . .	. . .	. . .	6.69	8.31	9.11	9.92	10.71	11.51	13.10	13.58	14.69	15.49	16.28
2.33	24	2.406	56	5.614	. . .. .	5.26	6.09	7.71	9.31	10.11	10.91	11.70	12.50	14.08	14.56	15.66	16.46	17.25
2.33	48	4.812	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	8.86	9.70	10.53
2.35	34	3.409	80	8.020	. . .	. . .	. . .	. . .	6.35	7.19	8.01	8.83	9.65	11.26	11.74	12.86	13.66	14.46
2.37	38	3.810	90	9.023	. . .	. . .	. . .	. . .	. . .	. . .	6.74	7.58	8.41	10.05	10.54	11.67	12.48	13.28
2.40	30	3.008	72	7.218	. . .	. . .	. . .	5.75	7.42	8.23	9.05	9.85	10.66	12.26	12.74	13.85	14.65	15.44
240	80	8.020	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2.46	26	2.607	64	6.416	. . .	. . .	5.16	6.82	8.45	9.25	10.06	10.86	11.66	13.25	13.73	14.84	15.63	16.42
2.50	32	3.208	80	8.020	. . .	. . .	. . .	. . .	6.48	7.32	8.15	8.97	9.78	11.40	11.88	13.00	13.81	14.60
2.50	36	3.609	90	9.023	. . .	. . .	. . .	. . .	. . .	. . .	6.86	7.71	8.55	10.19	10.68	11.81	12.62	13.43
2.55	22	2.206	56	5.614	4.56	5.40	6.22	7.85	9.45	10.25	11.05	11.85	12.64	14.23	14.70	15.81	16.61	17.39
2.55	44	4.411	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	9.12	9.96	10.79
2.57	28	2.807	72	7.218	. . .	. . .	. . .	5.88	7.55	8.37	9.19	9.99	10.80	12.40	12.88	14.00	14.80	15.59
2.57	56	5.614	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2.65	34	3.409	90	9.023	. . .	. . .	. . .	. . .	. . .	. . .	6.99	7.84	8.68	10.32	10.81	11.95	12.76	13.56
2.67	24	2.406	64	6.416	. . .	. . .	5.29	6.96	8.59	9.39	10.20	11.00	11.80	13.39	13.87	14.98	15.78	16.57
2.67	30	3.008	80	8.020	. . .	. . .	. . .	. . .	6.61	7.45	8.28	9.10	9.92	11.54	12.02	13.14	13.95	14.75
2.67	72	7.218	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2.77	26	2.607	72	7.218	. . .	. . .	. . .	6.01	7.68	8.50	9.32	10.13	10.94	12.54	13.02	14.14	14.94	15.73
2.80	40	4.010	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	8.16	9.37	10.22	11.06
2.81	32	3.208	90	9.023	. . .	. . .	. . .	. . .	. . .	. . .	7.12	7.97	8.81	10.46	10.95	12.09	12.90	13.70
2.86	28	2.807	80	8.020	. . .	. . .	. . .	. . .	6.74	7.58	8.41	9.24	10.06	11.67	12.16	13.28	14.09	14.89
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.90**	**0.90**	**0.90**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

DODGE

8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches															
	Driver		Driven		1224-8M	1280-8M	1440-8M	1512-8M	1584-8M	1600-8M	1760-8M	1800-8M	2000-8M	2200-8M	2400-8M	2600-8M	2800-8M	3048-8M	3280-8M	3600-8M	4400-8M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches																	
Length Factor*					**1.00**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**
2.00	22	2.206	44	4.411	18.87	19.97	23.12	24.54	25.96	26.27	29.43	30.22	34.16	38.09	42.03	45.97	49.91	54.79	59.36	65.66	81.41
2.00	24	2.406	48	4.812	18.39	19.49	22.64	24.07	25.48	25.80	28.95	29.74	33.68	37.62	41.56	45.50	49.44	54.32	58.88	65.18	80.94
2.00	28	2.807	56	5.614	17.42	18.53	21.69	23.11	24.53	24.84	28.00	28.79	32.73	36.66	40.61	44.54	48.49	53.37	57.93	64.24	79.99
2.00	32	3.208	64	6.416	16.46	17.56	20.72	22.15	23.57	23.88	27.04	27.83	31.77	35.71	39.65	43.59	47.53	52.42	56.98	63.29	79.04
2.00	36	3.609	72	7.218	15.49	16.59	19.76	21.18	22.60	22.92	26.08	26.87	30.81	34.75	38.70	42.64	46.58	51.46	56.03	62.34	78.09
2.00	40	4.010	80	8.020	14.51	15.62	18.79	20.22	21.64	21.96	25.12	25.91	29.85	33.80	37.74	41.68	45.63	50.51	55.08	61.38	77.14
2.00	56	5.614	112	11.229	10.49	11.63	14.85	16.29	17.73	18.05	21.23	22.03	25.99	29.94	33.90	37.85	41.80	46.69	51.26	57.57	73.33
2.00	72	7.218	144	14.437	. . .	. . .	. . .	12.22	13.69	14.02	17.26	18.07	22.07	26.05	30.02	33.98	37.94	42.84	47.42	53.74	69.51
2.05	44	4.411	90	9.023	13.34	14.46	17.64	19.07	20.50	20.82	23.98	24.78	28.73	32.67	36.62	40.56	44.51	49.40	53.96	60.27	76.03
2.11	38	3.810	80	8.020	14.65	15.76	18.94	20.36	21.79	22.10	25.27	26.06	30.00	33.95	37.90	41.84	45.78	50.67	55.23	61.54	77.30
2.12	34	3.409	72	7.218	15.63	16.74	19.91	21.33	22.75	23.07	26.23	27.02	30.97	34.91	38.85	42.79	46.73	51.62	56.19	62.49	78.25
2.13	30	3.008	64	6.416	16.61	17.71	20.87	22.30	23.72	24.03	27.19	27.98	31.92	35.86	39.81	43.75	47.69	52.57	57.14	63.44	79.20
2.15	26	2.607	56	5.614	17.57	18.68	21.84	23.26	24.68	24.99	28.15	28.94	32.88	36.82	40.76	44.70	48.64	53.52	58.09	64.39	80.14
2.18	22	2.206	48	4.812	18.54	19.64	22.80	24.22	25.63	25.95	29.10	29.89	33.83	37.77	41.71	45.65	49.59	54.47	59.04	65.34	81.09
2.22	36	3.609	80	8.020	14.80	15.91	19.08	20.51	21.94	22.25	25.42	26.21	30.16	34.10	38.05	41.99	45.93	50.82	55.39	61.69	77.45
2.25	32	3.208	72	7.218	15.78	16.89	20.06	21.48	22.90	23.22	26.38	27.17	31.12	35.06	39.00	42.94	46.89	51.77	56.34	62.64	78.40
2.25	40	4.010	90	9.023	13.63	14.75	17.93	19.37	20.79	21.11	24.28	25.07	29.03	32.97	36.92	40.87	44.81	49.70	54.27	60.58	76.34
2.25	64	6.416	144	14.437	. . .	. . .	11.24	12.75	14.23	14.56	17.81	18.62	22.64	26.62	30.60	34.57	38.53	43.44	48.02	54.34	70.12
2.29	28	2.807	64	6.416	16.75	17.86	21.02	22.45	23.87	24.18	27.34	28.13	32.08	36.02	39.96	43.90	47.84	52.73	57.29	63.60	79.35
2.33	24	2.406	56	5.614	17.72	18.83	21.99	23.41	24.83	25.14	28.30	29.09	33.03	36.97	40.91	44.85	48.79	53.68	58.24	64.55	80.30
2.33	48	4.812	112	11.229	11.03	12.17	15.41	16.86	18.30	18.62	21.81	22.61	26.58	30.54	34.50	38.45	42.40	47.29	51.87	58.18	73.95
2.35	34	3.409	80	8.020	14.94	16.05	19.23	20.66	22.08	22.40	25.56	26.36	30.31	34.25	38.20	42.14	46.09	50.97	55.54	61.85	77.60
2.37	38	3.810	90	9.023	13.77	14.89	18.08	19.51	20.94	21.26	24.43	25.22	29.17	33.12	37.07	41.02	44.97	49.85	54.42	60.73	76.49
2.40	30	3.008	72	7.218	15.92	17.03	20.20	21.63	23.05	23.37	26.53	27.32	31.27	35.21	39.16	43.10	47.04	51.93	56.49	62.80	78.56
240	80	8.020	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	17.04	21.16	25.21	29.24	33.24	38.18	42.79	49.14	64.97
2.46	26	2.607	64	6.416	16.90	18.01	21.17	22.60	24.02	24.33	27.49	28.28	32.23	36.17	40.11	44.05	48.00	52.88	57.45	63.75	79.51
2.50	32	3.208	80	8.020	15.08	16.20	19.38	20.81	22.23	22.55	25.71	26.51	30.46	34.40	38.35	42.29	46.24	51.12	55.69	62.00	77.76
2.50	36	3.609	90	9.023	13.91	15.03	18.22	19.66	21.08	21.40	24.57	25.37	29.32	33.27	37.23	41.17	45.12	50.01	54.58	60.88	76.65
2.55	22	2.206	56	5.614	17.87	18.98	22.14	23.56	24.98	25.30	28.45	29.24	33.18	37.12	41.07	45.01	48.95	53.83	58.40	64.70	80.46
2.55	44	4.411	112	11.229	11.29	12.44	15.69	17.14	18.58	18.90	22.10	22.90	26.87	30.83	34.79	38.75	42.70	47.59	52.17	58.48	74.25
2.57	28	2.807	72	7.218	16.07	17.18	20.35	21.78	23.20	23.52	26.68	27.47	31.42	35.36	39.31	43.25	47.19	52.08	56.65	62.95	78.71
2.57	56	5.614	144	14.437	. . .	. . .	11.76	13.28	14.77	15.10	18.36	19.18	23.20	27.20	31.18	35.15	39.12	44.03	48.62	54.94	70.73
2.65	34	3.409	90	9.023	14.05	15.17	18.37	19.80	21.23	21.55	24.72	25.52	29.47	33.42	37.38	41.32	45.27	50.16	54.73	61.04	76.80
2.67	24	2.406	64	6.416	17.05	18.16	21.32	22.75	24.17	24.48	27.64	28.44	32.38	36.32	40.27	44.21	48.15	53.03	57.60	63.90	79.66
2.67	30	3.008	80	8.020	15.23	16.34	19.52	20.95	22.38	22.70	25.86	26.66	30.61	34.55	38.50	42.44	46.39	51.28	55.85	62.15	77.91
2.67	72	7.218	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	17.56	21.70	25.77	29.80	33.81	38.76	43.37	49.73	65.56
2.77	26	2.607	72	7.218	16.21	17.32	20.50	21.93	23.35	23.67	26.83	27.62	31.57	35.51	39.46	43.40	47.35	52.23	56.80	63.11	78.86
2.80	40	4.010	112	11.229	11.56	12.71	15.97	17.42	18.86	19.19	22.38	23.18	27.16	31.13	35.09	39.04	43.00	47.90	52.47	58.79	74.56
2.81	32	3.208	90	9.023	14.19	15.31	18.51	19.95	21.38	21.69	24.87	25.66	29.62	33.57	37.53	41.47	45.42	50.31	54.88	61.19	76.95
2.86	28	2.807	80	8.020	15.37	16.49	19.67	21.10	22.53	22.84	26.01	26.80	30.76	34.70	38.65	42.60	46.54	51.43	56.00	62.31	78.07
Length Factor*					**1.00**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

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SELECTION

8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven												
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches	720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M
Length Factor*					**0.90**	**0.90**	**0.90**	**0.90**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
2.91	22	2.206	64	6.416	7.09	8.72	9.53	10.34	11.14	11.94	13.53	14.01	15.13	15.92	16.72
2.95	38	3.810	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	. . .	8.29	9.50	10.35	11.19
3.00	24	2.406	72	7.218	6.14	7.82	8.64	9.46	10.27	11.08	12.68	13.17	14.28	15.08	15.88
3.00	30	3.008	90	9.023	. . .	. . .	6.36	7.24	8.10	8.94	10.59	11.09	12.22	13.04	13.84
3.00	48	4.812	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
3.00	64	6.416	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
3.08	26	2.607	80	8.020	. . .	6.86	7.71	8.55	9.37	10.19	11.81	12.30	13.42	14.23	15.03
3.11	36	3.609	112	11.229	. . .	. . ..	. . .	. . .	. . .	. . .	7.88	8.41	9.63	10.48	11.32
3.21	28	2.807	90	9.023	. . .	. . .	6.48	7.37	8.22	9.07	10.73	11.22	12.36	13.18	13.98
3.27	22	2.206	72	7.218	6.27	7.95	8.77	9.59	10.41	11.22	12.82	13.31	14.43	15.23	16.02
3.27	44	4.411	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .		. . .	. . .	. . .
3.29	34	3.409	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	8.00	8.54	9.75	10.61	11.45
3.33	24	2.406	80	8.020	. . .	6.99	7.84	8.68	9.50	10.33	11.95	12.44	13.56	14.37	15.17
3.43	56	5.614	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
3.46	26	2.607	90	9.023	. . .	. . .	6.61	7.49	8.35	9.20	10.86	11.35	12.50	13.31	14.12
3.50	32	3.208	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	8.12	8.66	9.88	10.74	11.58
3.60	40	4.010	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
3.64	22	2.206	80	8.020	. . .	7.12	7.97	8.81	9.64	10.46	12.09	12.58	13.70	14.51	15.31
3.73	30	3.008	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	8.24	8.78	10.01	10.87	11.71
3.75	24	2.406	90	9.023	. . .	. . .	6.73	7.62	8.48	9.33	10.99	11.49	12.63	13.45	14.26
3.79	38	3.810	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
4.00	28	2.807	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	8.36	8.91	10.13	10.99	11.84
4.00	36	3.609	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
4.00	48	4.812	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
4.09	22	2.206	90	9.023	. . .	5.92	6.85	7.74	8.61	9.46	11.12	11.62	12.77	13.59	14.40
4.24	34	3.409	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
4.31	26	2.607	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	8.48	9.03	10.26	11.12	11.97
4.36	44	4.411	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
4.50	32	3.208	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
4.67	24	2.406	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	8.60	9.15	10.38	11.25	12.10
4.80	30	3.008	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
4.80	40	4.010	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
5.05	38	3.810	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
5.09	22	2.206	112	11.229	. . .	. . .	. . .	. . .	. . .	. . .	8.72	9.27	10.51	11.38	12.23
5.14	28	2.807	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
5.33	36	3.609	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
5.54	26	2.607	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
5.65	34	3.409	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
6.00	24	2.406	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
6.00	32	3.208	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
6.40	30	3.008	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
6.55	22	2.206	144	14.437	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
6.86	28	2.807	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Length Factor*					**0.90**	**0.90**	**0.90**	**0.90**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches																
	Driver		Driven		1224-8M	1280-8M	1440-8M	1512-8M	1584-8M	1600-8M	1760-8M	1800-8M	2000-8M	2200-8M	2400-8M	2600-8M	2800-8M	3048-8M	3280-8M	3600-8M	4400-8M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches																	
Length Factor*					**1.00**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**
2.91	22	2.206	64	6.416	17.19	18.30	21.47	22.90	24.32	24.63	27.79	28.59	32.53	36.47	40.42	44.36	48.30	53.19	57.75	64.06	79.82
2.95	38	3.810	112	11.229	11.69	12.84	16.10	17.56	19.01	19.33	22.53	23.33	27.31	31.27	35.24	39.19	43.15	48.05	52.62	58.94	74.71
3.00	24	2.406	72	7.218	16.36	17.47	20.65	22.08	23.50	23.81	26.98	27.77	31.72	35.67	39.61	43.55	47.50	52.39	56.96	63.26	79.02
3.00	30	3.008	90	9.023	14.33	15.45	18.65	20.09	21.52	21.84	25.01	25.81	29.77	33.72	37.68	41.62	45.57	50.46	55.03	61.34	77.11
3.00	48	4.812	144	14.437	. . .	. . .	12.27	13.80	15.30	15.63	18.91	19.73	23.76	27.77	31.76	35.74	39.71	44.62	49.21	55.54	71.33
3.00	64	6.416	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	18.08	22.23	26.31	30.36	34.37	39.33	43.95	50.31	66.16
3.08	26	2.607	80	8.020	15.51	16.63	19.81	21.25	22.67	22.99	26.16	26.95	30.90	34.85	38.80	42.75	46.70	51.58	56.15	62.46	78.22
3.11	36	3.609	112	11.229	11.82	12.98	16.24	17.70	19.15	19.47	22.67	23.47	27.45	31.42	35.39	39.34	43.30	48.20	52.77	59.09	74.86
3.21	28	2.807	90	9.023	14.47	15.59	18.80	20.23	21.67	21.98	25.16	25.96	29.92	33.87	37.83	41.77	45.72	50.61	55.19	61.50	77.26
3.27	22	2.206	72	7.218	16.50	17.61	20.79	22.22	23.65	23.96	27.13	27.92	31.87	35.82	39.76	43.71	47.65	52.54	57.11	63.41	79.17
3.27	44	4.411	144	14.437	. . .	. . .	12.52	14.06	15.56	15.89	19.18	20.00	24.04	28.05	32.05	36.03	40.00	44.92	49.51	55.84	71.64
3.29	34	3.409	112	11.229	11.95	13.11	16.38	17.84	19.29	19.61	22.81	23.61	27.60	31.57	35.53	39.49	43.45	48.35	52.92	59.24	75.02
3.33	24	2.406	80	8.020	15.65	16.77	19.96	21.39	22.82	23.14	26.31	27.10	31.05	35.00	38.96	42.90	46.85	51.74	56.31	62.61	78.38
3.43	56	5.614	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	13.39	14.29	18.60	22.77	26.86	30.91	34.94	39.90	44.53	50.89	66.75
3.46	26	2.607	90	9.023	14.61	15.73	18.94	20.38	21.81	22.13	25.31	26.10	30.06	34.02	37.98	41.92	45.87	50.76	55.34	61.65	77.41
3.50	32	3.208	112	11.229	12.08	13.24	16.52	17.98	19.43	19.75	22.95	23.76	27.74	31.71	35.68	39.64	43.60	48.50	53.07	59.39	75.17
3.60	40	4.010	144	14.437	. . .	. . .	12.78	14.32	15.82	16.16	19.45	20.27	24.32	28.34	32.34	36.32	40.29	45.21	49.80	56.13	71.94
3.64	22	2.206	80	8.020	15.80	16.91	20.10	21.54	22.96	23.28	26.45	27.25	31.20	35.15	39.11	43.05	47.00	51.89	56.46	62.77	78.53
3.73	30	3.008	112	11.229	12.21	13.38	16.65	18.11	19.56	19.89	23.10	23.90	27.88	31.86	35.83	39.79	43.75	48.64	53.22	59.54	75.32
3.75	24	2.406	90	9.023	14.75	15.87	19.08	20.52	21.95	22.27	25.45	26.25	30.21	34.17	38.13	42.07	46.02	50.92	55.49	61.80	77.57
3.79	38	3.810	144	14.437	. . .	. . .	12.90	14.45	15.96	16.29	19.59	20.41	24.46	28.48	32.48	36.46	40.44	45.36	49.95	56.28	72.09
4.00	28	2.807	112	11.229	12.35	13.51	16.79	18.25	19.70	20.03	23.24	24.04	28.03	32.00	35.97	39.93	43.89	48.79	53.37	59.69	75.47
4.00	36	3.609	144	14.437	. . .	9.42	13.03	14.57	16.09	16.42	19.72	20.54	24.60	28.62	32.62	36.61	40.59	45.50	50.10	56.43	72.24
4.00	48	4.812	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	13.88	14.78	19.12	23.30	27.41	31.47	35.50	40.47	45.10	51.47	67.34
4.09	22	2.206	90	9.023	14.88	16.01	19.22	20.66	22.10	22.42	25.60	26.40	30.36	34.32	38.27	42.22	46.17	51.07	55.64	61.95	77.72
4.24	34	3.409	144	14.437	. . .	9.53	13.16	14.70	16.22	16.55	19.86	20.68	24.74	28.76	32.76	36.75	40.73	45.65	50.25	56.58	72.39
4.31	26	2.607	112	11.229	12.48	13.64	16.93	18.39	19.84	20.17	23.38	24.18	28.17	32.15	36.12	40.08	44.04	48.94	53.52	59.84	75.63
4.36	44	4.411	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	4.12	15.03	19.38	25.57	27.68	31.74	35.78	40.75	45.39	51.76	67.63
4.50	32	3.208	144	14.437	. . .	9.65	13.28	14.83	16.35	16.68	19.99	20.81	24.88	28.90	32.91	36.89	40.88	45.80	50.39	56.73	72.54
4.67	24	2.406	112	11.229	12.61	13.77	17.06	18.53	19.98	20.30	23.52	24.32	28.32	32.29	36.27	40.23	44.19	49.09	53.67	59.99	75.78
4.80	30	3.008	144	14.437	. . .	9.77	13.41	14.96	16.48	16.81	20.13	20.95	25.01	29.04	33.05	37.04	41.02	45.94	50.54	56.88	72.69
4.80	40	4.010	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	14.37	15.27	19.63	23.83	27.95	32.02	36.05	41.03	45.67	52.05	67.93
5.05	38	3.810	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	14.49	15.40	19.76	23.96	28.08	32.15	36.19	41.18	45.82	52.19	68.08
5.09	22	2.206	112	11.229	12.74	13.90	17.20	18.67	20.12	20.44	23.66	24.47	28.46	32.44	36.41	40.38	44.34	49.24	53.82	60.14	75.93
5.14	28	2.807	144	14.437	. . .	9.89	13.53	15.09	16.61	16.94	20.26	21.08	25.15	29.18	33.19	37.18	41.17	46.09	50.69	57.02	72.84
5.33	36	3.609	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	14.61	15.52	19.89	24.09	28.22	32.29	36.33	41.32	45.96	52.34	68.22
5.54	26	2.607	144	14.437	. . .	10.00	13.66	15.21	16.74	17.07	20.39	21.22	25.29	29.32	33.33	37.32	41.31	46.23	50.83	57.17	72.99
5.65	34	3.409	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	14.73	15.64	20.02	24.23	28.35	32.43	36.47	41.46	46.10	52.48	68.37
6.00	24	2.406	144	14.437	. . .	10.12	13.78	15.34	16.87	17.20	20.53	21.35	25.43	29.46	33.47	37.47	41.45	46.38	50.98	57.32	73.14
6.00	32	3.208	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	14.85	15.76	20.14	24.36	28.49	32.56	36.61	41.60	46.24	52.63	68.52
6.40	30	3.008	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	14.97	15.89	20.27	24.49	28.62	32.70	36.75	41.74	46.38	52.77	68.66
6.55	22	2.206	144	14.437	8.80	10.24	13.91	15.47	17.00	17.33	20.66	21.49	25.56	29.60	33.62	37.61	41.60	46.53	51.13	57.47	73.29
6.86	28	2.807	192	19.249	. . .	. . .	. . .	. . .	. . .	. . .	15.09	16.01	20.40	24.62	28.75	32.84	36.89	41.88	46.53	52.91	68.81
Length Factor*					**1.00**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

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SELECTION

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.95**	**0.95**	**1.00**	**1.00**	**1.00**	**1.05**	**1.05**
1.00	28	4.912	28	4.912	11.30	15.71	19.84	23.98	27.28	29.49	33.62	37.75	40.51	43.27	47.40
1.00	29	5.088	29	5.088	11.02	15.43	19.57	23.70	27.01	29.21	33.35	37.48	40.24	42.99	47.13
1.00	30	5.263	30	5.263	10.75	15.16	19.29	23.43	26.73	28.94	33.07	37.20	39.96	42.72	46.85
1.00	32	5.614	32	5.614	10.20	14.61	18.74	22.88	26.18	28.39	32.52	36.65	39.41	42.17	46.30
1.00	34	5.965	34	5.965	9.65	14.06	18.19	22.33	25.63	27.84	31.97	36.10	38.86	41.62	45.75
1.00	36	6.316	36	6.316	9.09	13.50	17.64	21.77	25.08	27.28	31.42	35.55	38.31	41.06	45.20
1.00	38	6.667	38	6.667	8.54	12.95	17.09	21.22	24.53	26.73	30.87	35.00	37.76	40.51	44.65
1.00	40	7.018	40	7.018	7.99	12.40	16.54	20.67	23.98	26.18	30.32	34.45	37.21	39.96	44.10
1.00	44	7.720	44	7.720	. . .	11.30	15.43	19.57	22.87	25.08	29.21	33.34	36.10	38.86	42.99
1.00	48	8.421	48	8.421	. . .	10.20	14.33	18.47	21.77	23.98	28.11	32.24	35.00	37.76	41.89
1.00	52	9.123	52	9.123	. . .	. . .	13.23	17.36	20.67	22.87	27.01	31.14	33.90	36.65	40.79
1.00	56	9.825	56	9.825	. . .	. . .	12.13	16.26	19.57	21.77	25.91	30.04	32.80	35.55	39.69
1.00	60	10.527	60	10.527	. . .	. . .	. . .	15.16	18.46	20.67	24.80	28.93	31.69	34.45	38.58
1.00	64	11.229	64	11.229	. . .	. . .	. . .	14.06	17.36	19.57	23.70	27.83	30.59	33.35	37.48
1.00	68	11.930	68	11.930	. . .	. . .	. . .	12.96	16.26	18.47	22.60	26.73	29.49	32.25	36.38
1.00	72	12.632	72	12.632	. . .	. . .	. . .	. . .	15.16	17.36	21.50	25.63	28.39	31.14	35.28
1.00	80	14.036	80	14.036	. . .	. . .	. . .	. . .	. . .	15.16	19.29	23.42	26.18	28.94	33.07
1.03	29	5.088	30	5.263	10.88	15.30	19.43	23.57	26.87	29.08	33.21	37.34	40.10	42.86	46.99
1.04	28	4.912	29	5.088	11.16	15.57	19.71	23.84	27.15	29.35	33.49	37.62	40.38	43.13	47.27
1.05	38	6.667	40	7.018	8.26	12.68	16.81	20.95	24.25	26.46	30.59	34.72	37.48	40.24	44.37
1.06	36	6.316	38	6.667	8.82	13.23	17.36	21.50	24.80	27.01	31.14	35.27	38.03	40.79	44.92
1.06	34	5.965	36	6.316	9.37	13.78	17.91	22.05	25.35	27.56	31.69	35.82	38.58	41.34	45.47
1.06	68	11.930	72	12.632	. . .	. . .	. . .	. . .	15.71	17.91	22.05	26.18	28.94	31.69	35.83
1.06	32	5.614	34	5.965	9.92	14.33	18.47	22.60	25.91	28.11	32.25	36.38	39.14	41.89	46.03
1.06	64	11.229	68	11.930	. . .	. . .	. . .	13.50	16.81	19.01	23.15	27.28	30.04	32.79	36.93
1.07	30	5.263	32	5.614	10.47	14.88	19.02	23.15	26.46	28.66	32.80	36.93	39.69	42.44	46.58
1.07	60	10.527	64	11.229	. . .	. . .	. . .	14.60	17.91	20.11	24.25	28.38	31.14	33.90	38.03
1.07	28	4.912	30	5.263	11.02	15.43	19.57	23.70	27.01	29.21	33.35	37.48	40.24	42.99	47.13
1.07	56	9.825	60	10.527	. . .	. . .	11.57	15.71	19.01	21.22	25.35	29.48	32.24	35.00	39.13
1.08	52	9.123	56	9.825	. . .	. . .	12.67	16.81	20.12	22.32	26.46	30.59	33.35	36.10	40.24
1.08	48	8.421	52	9.123	. . .	9.64	13.78	17.91	21.22	23.42	27.56	31.69	34.45	37.20	41.34
1.09	44	7.720	48	8.421	. . .	10.74	14.88	19.01	22.32	24.53	28.66	32.79	35.55	38.31	42.44
1.10	40	7.018	44	7.720	. . .	11.84	15.98	20.12	23.42	25.63	29.76	33.89	36.65	39.41	43.54
1.10	29	5.088	32	5.614	10.61	15.02	19.15	23.29	26.59	28.80	32.93	37.06	39.82	42.58	46.71
1.11	36	6.316	40	7.018	8.54	12.95	17.08	21.22	24.52	26.73	30.87	35.00	37.76	40.51	44.65
1.11	72	12.632	80	14.036	. . .	. . .	. . .	. . .	14.04	16.24	20.38	24.51	27.28	30.03	34.17
1.12	34	5.965	38	6.667	9.09	13.5.0	17.64	21.77	25.08	27.28	31.42	35.55	38.31	41.06	45.20
1.13	32	5.614	36	6.316	9.64	14.05	18.19	22.32	25.63	27.83	31.97	36.10	38.86	41.61	45.75
1.13	64	11.229	72	12.632	. . .	. . .	. . .	12.94	16.24	18.45	22.59	26.72	29.48	32.24	36.37
1.13	80	14.036	90	15.790	. . .	. . .	. . .	. . .	. . .	. . .	17.89	22.03	24.79	27.55	31.68
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.95**	**0.95**	**1.00**	**1.00**	**1.00**	**1.05**	**1.05**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

DODGE

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven												
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches	3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M
Length Factor*					**1.05**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**
1.00	28	4.912	28	4.912	54.29	58.42	61.18	68.07	77.44	82.40	89.84	97.01	105.27	113.54	127.32
1.00	29	5.088	29	5.088	54.02	58.15	60.91	67.79	77.16	82.13	89.57	96.73	105.00	113.27	127.05
1.00	30	5.263	30	5.263	53.74	57.87	60.63	67.52	76.89	81.85	89.29	96.46	104.72	112.99	126.77
1.00	32	5.614	32	5.614	53.19	57.32	60.08	66.97	76.34	81.30	88.74	95.91	104.17	112.44	126.22
1.00	34	5.965	34	5.965	52.64	56.77	59.53	66.42	75.79	80.75	88.19	95.36	103.62	111.89	125.67
1.00	36	6.316	36	6.316	52.09	56.22	58.98	65.86	75.23	80.20	87.64	94.80	103.07	111.34	125.12
1.00	38	6.667	38	6.667	51.54	55.67	58.43	65.31	74.68	79.65	87.09	94.25	102.52	110.79	124.57
1.00	40	7.018	40	7.018	50.99	55.12	57.88	64.76	74.13	79.10	86.54	93.70	101.97	110.24	124.02
1.00	44	7.720	44	7.720	49.88	54.01	56.77	63.66	73.03	77.99	85.43	92.60	100.86	109.13	122.91
1.00	48	8.421	48	8.421	48.78	52.91	55.67	62.56	71.93	76.89	84.33	91.50	99.76	108.03	121.81
1.00	52	9.123	52	9.123	47.68	51.81	54.57	61.45	70.82	75.79	83.23	90.39	98.66	106.93	120.71
1.00	56	9.825	56	9.825	46.58	50.71	53.47	60.35	69.72	74.69	82.13	89.29	97.56	105.83	119.61
1.00	60	10.527	60	10.527	45.47	49.60	52.36	59.25	68.62	73.58	81.02	88.19	96.45	104.72	118.50
1.00	64	11.229	64	11.229	44.37	48.50	51.26	58.15	67.52	72.48	79.92	87.09	95.35	103.62	117.40
1.00	68	11.930	68	11.930	43.27	47.40	50.16	57.05	66.42	71.38	78.82	85.99	94.25	102.52	116.30
1.00	72	12.632	72	12.632	42.17	46.30	49.06	55.94	65.31	70.28	77.72	84.88	93.15	101.42	115.20
1.00	80	14.036	80	14.036	39.96	44.09	46.85	53.74	63.11	68.07	75.51	82.68	90.94	99.21	112.99
1.03	29	5.088	30	5.263	53.88	58.01	60.77	67.66	77.03	81.99	89.43	96.60	104.86	113.13	126.91
1.04	28	4.912	29	5.088	54.16	58.29	61.05	67.93	77.30	82.27	89.71	96.87	105.14	113.41	127.19
1.05	38	6.667	40	7.018	51.26	55.39	58.15	65.04	74.41	79.37	86.81	93.98	102.24	110.51	124.29
1.06	36	6.316	38	6.667	51.81	55.94	58.70	65.59	74.96	79.92	87.36	94.53	102.79	111.06	124.84
1.06	34	5.965	36	6.316	52.36	56.49	59.25	66.14	75.51	80.47	87.91	95.08	103.34	111.61	125.39
1.06	68	11.930	72	12.632	42.72	46.85	49.61	56.49	65.86	70.83	78.27	85.43	93.70	101.97	115.75
1.06	32	5.614	34	5.965	52.92	57.05	59.81	66.69	76.06	81.03	88.47	95.63	103.90	112.17	125.95
1.06	64	11.229	68	11.930	43.82	47.95	50.71	57.59	66.97	71.93	79.37	86.54	94.80	103.07	116.85
1.07	30	5.263	32	5.614	53.47	57.60	60.36	67.24	76.61	81.58	89.02	96.18	104.45	112.72	126.50
1.07	60	10.527	64	11.229	44.92	49.05	51.81	58.70	68.07	73.03	80.47	87.64	95.90	104.17	117.95
1.07	28	4.912	30	5.263	54.02	58.15	60.91	67.79	77.16	82.13	89.57	96.73	105.00	113.27	127.05
1.07	56	9.825	60	10.527	46.02	50.15	52.91	59.80	69.17	74.13	81.57	88.74	97.00	105.27	119.06
1.08	52	9.123	56	9.825	47.13	51.26	54.02	60.90	70.27	75.24	82.68	89.84	98.11	106.38	120.16
1.08	48	8.421	52	9.123	48.23	52.36	55.12	62.00	71.38	76.34	83.78	90.95	99.21	107.48	121.26
1.09	44	7.720	48	8.421	49.33	53.46	56.22	63.11	72.48	77.44	84.88	92.05	100.31	108.58	122.36
1.10	40	7.018	44	7.720	50.43	54.56	57.32	64.21	73.58	78.54	85.98	93.15	101.41	109.68	123.46
1.10	29	5.088	32	5.614	53.60	57.73	60.49	67.38	76.75	81.71	89.15	96.32	104.58	112.85	126.63
1.11	36	6.316	40	7.018	51.54	55.67	58.43	65.31	74.68	79.65	87.09	94.25	102.52	110.79	124.57
1.11	72	12.632	80	14.036	41.06	45.19	47.95	54.84	64.21	69.17	76.61	83.78	92.04	100.31	114.09
1.12	34	5.965	38	6.667	52.09	56.22	58.98	65.86	75.23	80.20	87.64	94.80	103.07	111.34	125.12
1.13	32	5.614	36	6.316	52.64	56.77	59.53	66.41	75.78	80.75	88.19	95.35	103.62	111.89	125.67
1.13	64	11.229	72	12.632	43.26	47.39	50.15	57.04	66.41	71.38	78.82	85.98	94.25	102.52	116.30
1.13	80	14.036	90	15.790	38.57	42.71	45.47	52.35	61.72	66.69	74.13	81.29	89.56	97.83	111.61
Length Factor*					**1.05**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

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SELECTION

DODGE

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.95**	**0.95**	**1.00**	**1.00**	**1.00**	**1.05**	**1.05**
1.13	30	5.263	34	5.965	10.19	14.60	18.74	22.87	26.18	28.38	32.52	36.65	39.41	42.17	46.30
1.13	60	10.527	68	11.930	. . .	. . .	. . .	14.04	17.35	19.55	23.69	27.82	30.58	33.34	37.48
1.14	28	4.912	32	5.614	10.74	15.15	19.29	23.43	26.73	28.94	33.07	37.20	39.96	42.72	46.85
1.14	56	9.825	64	11.229	. . .	. . .	. . .	15.14	18.45	20.66	24.79	28.93	31.69	34.44	38.58
1.15	52	9.123	60	10.527	. . .	. . .	12.11	16.25	19.55	21.76	25.90	30.03	32.79	35.54	39.68
1.16	38	6.667	44	7.720	. . .	12.11	16.25	20.39	23.69	25.90	30.04	34.17	36.93	39.68	43.82
1.17	48	8.421	56	9.825	. . .	. . .	13.21	17.35	20.66	22.86	27.00	31.13	33.89	36.65	40.78
1.17	29	5.088	34	5.965	10.32	14.74	18.87	23.01	26.32	28.52	32.66	36.79	39.55	42.30	46.44
1.18	34	5.965	40	7.018	8.80	13.22	17.36	21.49	24.80	27.00	31.14	35.27	38.03	40.78	44.92
1.18	68	11.930	80	14.036	. . .	. . .	. . .	. . .	14.57	16.78	20.92	25.05	27.82	30.57	34.71
1.18	44	7.720	52	9.123	. . .	10.17	14.31	18.45	21.76	23.97	28.10	32.23	34.99	37.75	41.89
1.19	32	5.614	38	6.667	9.35	13.77	17.91	22.04	25.35	27.55	31.69	35.82	38.58	41.34	45.47
1.20	30	5.263	36	6.316	9.91	14.32	18.46	22.59	25.90	28.11	32.24	36.37	39.13	41.89	46.02
1.20	40	7.018	48	8.421	. . .	11.28	15.42	19.56	22.86	25.07	29.21	33.34	36.10	38.85	42.99
1.20	60	10.527	72	12.632	. . .	. . .	. . .	13.46	16.78	18.99	23.13	27.26	30.02	32.78	36.92
1.21	28	4.912	34	5.965	10.46	14.87	19.01	23.15	26.45	28.66	32.79	36.92	39.68	42.44	46.57
1.21	56	9.825	68	11.930	. . .	. . .	. . .	14.57	17.88	20.09	24.23	28.36	31.13	33.88	38.02
1.22	36	6.316	44	7.720	7.96	12.38	16.52	20.66	23.97	26.17	30.31	34.44	37.20	39.95	44.09
1.23	52	9.123	64	11.229	. . .	. . .	11.53	15.68	18.99	21.19	25.33	29.47	32.23	34.98	39.12
1.24	29	5.088	36	6.316	10.04	14.46	18.59	22.73	26.04	28.24	32.38	36.51	39.27	42.02	46.16
1.25	32	5.614	40	7.018	9.07	13.49	17.62	21.76	25.07	27.27	31.41	35.54	38.30	41.06	45.19
1.25	48	8.421	60	10.527	. . .	. . .	12.63	16.78	20.09	22.30	26.44	30.57	33.33	36.09	40.22
1.25	64	11.229	80	14.036	. . .	. . .	. . .	. . .	15.09	17.30	21.45	25.59	28.35	31.11	35.25
1.25	72	12.632	90	15.790	. . .	. . .	. . .	. . .	. . .	14.80	18.95	23.09	25.86	28.62	32.76
1.26	38	6.667	48	8.421	. . .	11.54	15.69	19.83	23.13	25.34	29.48	33.61	36.37	39.13	43.26
1.27	30	5.263	38	6.667	9.62	14.04	18.18	22.31	25.62	27.83	31.96	36.09	38.85	41.61	45.74
1.27	44	7.720	56	9.825	. . .	9.59	13.74	17.88	21.19	23.40	27.54	31.67	34.43	37.19	41.33
1.29	28	4.912	36	6.316	10.17	14.59	18.73	22.87	26.17	28.38	32.51	36.64	39.41	42.16	46.30
1.29	56	9.825	72	12.632	. . .	. . .	. . .	13.99	17.31	19.52	23.66	27.80	30.56	33.32	37.46
1.29	34	5.965	44	7.720	8.22	12.65	16.79	20.93	24.24	26.44	30.58	34.71	37.47	40.23	44.36
1.30	40	7.018	52	9.123	. . .	10.70	14.85	18.99	22.30	24.51	28.64	32.78	35.54	38.29	42.43
1.31	52	9.123	68	11.930	. . .	. . .	. . .	15.09	18.41	20.62	24.77	28.90	31.66	34.42	38.56
1.31	29	5.088	38	6.667	9.75	14.17	18.31	22.45	25.76	27.96	32.10	36.23	38.99	41.75	45.88
1.32	68	11.930	90	15.790	. . .	. . .	. . .	. . .	. . .	15.31	19.47	23.62	26.39	29.15	33.29
1.33	30	5.263	40	7.018	9.33	13.75	17.89	22.03	25.34	27.55	31.68	35.81	38.57	41.33	45.47
1.33	36	6.316	48	8.421	. . .	11.80	15.95	20.09	23.40	25.61	29.75	33.88	36.64	39.40	43.53
1.33	48	8.421	64	11.229	. . .	. . .	12.05	16.20	19.52	21.73	25.87	30.00	32.77	35.52	39.66
1.33	60	10.527	80	14.036	. . .	. . .	. . .	. . .	15.61	17.83	21.98	26.12	28.88	31.64	35.79
1.36	28	4.912	38	6.667	9.88	14.30	18.45	22.58	25.89	28.10	32.23	36.37	39.13	41.88	46.02
1.36	44	7.720	60	10.527	. . .	. . .	13.15	17.31	20.62	22.83	26.97	31.11	33.87	36.63	40.76
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.95**	**0.95**	**1.00**	**1.00**	**1.00**	**1.05**	**1.05**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

DODGE

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven												
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches	3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M
Length Factor*					**1.05**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**
1.13	30	5.263	34	5.965	53.19	57.32	60.08	66.97	76.34	81.30	88.74	95.91	104.17	112.44	126.22
1.13	60	10.527	68	11.930	44.37	48.50	51.26	58.14	67.51	72.48	79.92	87.08	95.35	103.62	117.40
1.14	28	4.912	32	5.614	53.74	57.87	60.63	67.52	76.89	81.85	89.29	96.46	104.72	112.99	126.77
1.14	56	9.825	64	11.229	45.47	49.60	52.36	59.25	68.62	73.58	81.02	88.19	96.45	104.72	118.50
1.15	52	9.123	60	10.527	46.57	50.70	53.46	60.35	69.72	74.68	82.12	89.29	97.55	105.82	119.60
1.16	38	6.667	44	7.720	50.71	54.84	57.60	64.48	73.85	78.82	86.26	93.42	101.69	109.96	123.74
1.17	48	8.421	56	9.825	47.67	51.80	54.57	61.45	70.82	75.79	83.23	90.39	98.66	106.93	120.71
1.17	29	5.088	34	5.965	53.33	57.46	60.22	67.10	76.47	81.44	88.88	96.04	104.31	112.58	126.36
1.18	34	5.965	40	7.018	51.81	55.94	58.70	65.59	74.96	79.92	87.36	94.53	102.79	111.06	124.84
1.18	68	11.930	80	14.036	41.60	45.73	48.49	55.38	64.75	69.72	77.16	84.32	92.59	100.86	114.64
1.18	44	7.720	52	9.123	48.78	52.91	55.67	62.55	71.92	76.89	84.33	91.49	99.76	108.03	121.81
1.19	32	5.614	38	6.667	52.36	56.49	59.25	66.14	75.51	80.47	87.91	95.08	103.34	111.61	125.39
1.20	30	5.263	36	6.316	52.91	57.04	59.80	66.69	76.06	81.02	88.46	95.63	103.89	112.16	125.94
1.20	40	7.018	48	8.421	49.88	54.01	56.77	63.66	73.03	77.99	85.43	92.60	100.86	109.13	122.91
1.20	60	10.527	72	12.632	43.81	47.94	50.70	57.59	66.96	71.92	79.36	86.53	94.80	103.07	116.85
1.21	28	4.912	34	5.965	53.46	57.59	60.35	67.24	76.61	81.58	89.02	96.18	104.45	112.72	126.50
1.21	56	9.825	68	11.930	44.91	49.04	51.80	58.69	68.06	73.03	80.47	87.63	95.90	104.17	117.95
1.22	36	6.316	44	7.720	50.98	55.11	57.87	64.76	74.13	79.09	86.53	93.70	101.96	110.23	124.01
1.23	52	9.123	64	11.229	46.01	50.14	52.91	59.79	69.16	74.13	81.57	88.73	97.00	105.27	119.05
1.24	29	5.088	36	6.316	53.05	57.18	59.94	66.83	76.20	81.16	88.60	95.77	104.03	112.30	126.08
1.25	32	5.614	40	7.018	52.08	56.21	58.97	65.86	75.23	80.20	87.64	94.80	103.07	111.34	125.12
1.25	48	8.421	60	10.527	47.12	51.25	54.01	60.89	70.27	75.23	82.67	89.84	98.10	106.37	120.15
1.25	64	11.229	80	14.036	42.14	46.28	49.04	55.92	65.30	70.26	77.70	84.87	93.14	101.41	115.19
1.25	72	12.632	90	15.790	39.66	43.79	46.55	53.44	62.81	67.78	75.22	82.39	90.65	98.92	112.71
1.26	38	6.667	48	8.421	50.15	54.28	57.04	63.93	73.30	78.26	85.71	92.87	101.14	109.41	123.19
1.27	30	5.263	38	6.667	52.64	56.77	59.53	66.41	75.78	80.75	88.19	95.35	103.62	111.89	125.67
1.27	44	7.720	56	9.825	48.22	52.35	55.11	62.00	71.37	76.33	83.77	90.94	99.20	107.48	121.26
1.29	28	4.912	36	6.316	53.19	57.32	60.08	66.96	76.33	81.30	88.74	95.90	104.17	112.44	126.22
1.29	56	9.825	72	12.632	44.35	48.48	51.24	58.13	67.50	72.47	79.91	87.08	95.34	103.61	117.39
1.29	34	5.965	44	7.720	51.25	55.38	58.15	65.03	74.40	79.37	86.81	93.97	102.24	110.51	124.29
1.30	40	7.018	52	9.123	49.32	53.45	56.21	63.10	72.47	77.44	84.88	92.04	100.31	108.58	122.36
1.31	52	9.123	68	11.930	45.45	49.59	52.35	59.23	68.61	73.57	81.01	88.18	96.44	104.72	118.50
1.31	29	5.088	38	6.667	52.77	56.90	59.66	66.55	75.92	80.88	88.32	95.49	103.75	112.02	125.81
1.32	68	11.930	90	15.790	40.19	44.33	47.09	53.98	63.35	68.32	75.76	82.93	91.20	99.47	113.25
1.33	30	5.263	40	7.018	52.36	56.49	59.25	66.13	75.50	80.47	87.91	95.08	103.34	111.61	125.39
1.33	36	6.316	48	8.421	50.42	54.56	57.32	64.20	73.57	78.54	85.98	93.14	101.41	109.68	123.46
1.33	48	8.421	64	11.229	46.56	50.69	53.45	60.34	69.71	74.67	82.11	89.28	97.55	105.82	119.60
1.33	60	10.527	80	14.036	42.68	46.82	49.58	56.47	65.84	70.81	78.25	85.42	93.68	101.95	115.73
1.36	28	4.912	38	6.667	52.91	57.04	59.80	66.69	76.06	81.02	88.46	95.63	103.89	112.16	125.94
1.36	44	7.720	60	10.527	47.66	51.79	54.55	61.44	70.81	75.78	83.22	90.38	98.65	106.92	120.70
Length Factor*					**1.05**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

V-Drives
FHP Drives
Drive Component Accessories
DYNA-SYNC
HT200/HTD Synchronous Drives
HT500 Synchronous Drives
Roller Chain Sprockets

SELECTION

DODGE

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.95**	**0.95**	**1.00**	**1.00**	**1.00**	**1.05**	**1.05**
1.37	38	6.667	52	9.123	. . .	10.95	15.11	19.25	22.57	24.77	28.91	33.05	35.81	38.56	42.70
1.38	32	5.614	44	7.720	8.48	12.91	17.05	21.20	24.50	26.71	30.85	34.98	37.74	40.50	44.64
1.38	29	5.088	40	7.018	9.46	13.88	18.03	22.17	25.47	27.68	31.82	35.95	38.71	41.47	45.60
1.39	52	9.123	72	12.632	. . .	. . .	. . .	14.50	17.83	20.04	24.19	28.33	31.09	33.85	37.99
1.40	40	7.018	56	9.825	. . .	10.10	14.26	18.41	21.73	23.94	28.08	32.21	34.97	37.73	41.87
1.40	80	14.036	112	19.650	. . .	. . .	. . .	. . .	. . .	. . .	. . .	18.80	21.59	24.37	28.52
1.41	64	11.229	90	15.790	. . .	. . .	. . .	. . .	. . .	15.82	19.99	24.14	26.91	29.68	33.82
1.41	34	5.965	48	8.421	. . .	12.06	16.21	20.36	23.67	25.88	30.02	34.15	36.91	39.67	43.80
1.42	48	8.421	68	11.930	. . .	. . .	11.44	15.61	18.94	21.15	25.30	29.43	32.20	34.96	39.10
1.43	28	4.912	40	7.018	9.59	14.02	18.16	22.30	25.61	27.82	31.95	36.08	38.85	41.60	45.74
1.43	56	9.825	80	14.036	. . .	. . .	. . .	12.78	16.12	18.34	22.50	26.65	29.41	32.18	36.32
1.44	36	6.316	52	9.123	. . .	11.21	15.37	19.52	22.83	25.04	29.18	33.31	36.08	38.83	42.97
1.46	44	7.720	64	11.229	. . .	. . .	12.55	16.72	20.04	22.25	26.40	30.54	33.30	36.06	40.20
1.47	30	5.263	44	7.720	8.73	13.17	17.32	21.46	24.77	26.98	31.12	35.25	38.01	40.77	44.91
1.47	38	6.667	56	9.825	. . .	10.35	14.52	18.68	21.99	24.20	28.34	32.48	35.24	38.00	42.14
1.50	32	5.614	48	8.421	7.8.7	12.32	16.48	20.62	23.94	26.14	30.28	34.42	37.18	39.94	44.07
1.50	40	7.018	60	10.527	. . .	9.48	13.67	17.83	21.15	23.36	27.50	31.64	34.41	37.16	41.30
1.50	48	8.421	72	12.632	. . .	. . .	. . .	15.01	18.34	20.56	24.72	28.86	31.62	34.39	38.53
1.50	60	10.527	90	15.790	. . .	. . .	. . .	. . .	14.08	16.32	20.50	24.66	27.43	30.20	34.35
1.52	29	5.088	44	7.720	8.86	13.30	17.45	21.60	24.91	27.11	31.25	35.39	38.15	40.90	45.04
1.53	34	5.965	52	9.123	. . .	11.47	15.63	19.78	23.10	25.31	29.45	33.58	36.35	39.10	43.24
1.54	52	9.123	80	14.036	. . .	. . .	. . .	13.28	16.63	18.86	23.02	27.17	29.94	32.70	36.85
1.55	44	7.720	68	11.930	. . .	. . .	11.94	16.12	19.45	21.67	25.82	29.96	32.73	35.49	39.63
1.56	36	6.316	56	9.825	. . .	10.60	14.78	18.94	22.25	24.46	28.61	32.75	35.51	38.27	42.41
1.56	72	12.632	112	19.650	. . .	. . .	. . .	. . .	. . .	. . .	. . .	19.80	22.60	25.39	29.56
1.57	28	4.912	44	7.720	8.98	13.43	17.58	21.73	25.04	27.25	31.39	35.52	38.28	41.04	45.18
1.58	38	6.667	60	10.527	. . .	9.73	13.92	18.09	21.41	23.62	27.77	31.91	34.67	37.43	41.57
1.60	30	5.263	48	8.421	8.11	12.58	16.74	20.89	24.20	26.41	30.55	34.69	37.45	40.21	44.34
1.60	40	7.018	64	11.229	. . .	. . .	13.06	17.24	20.56	22.78	26.93	31.07	33.83	36.59	40.73
1.61	56	9.825	90	15.790	. . .	. . .	. . .	. . .	14.58	16.82	21.01	25.18	27.95	30.72	34.87
1.63	32	5.614	52	9.123	. . .	11.72	15.89	20.04	23.36	25.57	29.71	33.85	36.61	39.37	43.51
1.64	44	7.720	72	12.632	. . .	. . .	11.31	15.52	18.86	21.08	25.24	29.38	32.15	34.91	39.06
1.65	34	5.965	56	9.825	. . .	10.85	15.03	19.20	22.52	24.73	28.87	33.01	35.78	38.54	42.67
1.65	68	11.930	112	19.650	. . .	. . .	. . .	. . .	. . .	. . .	. . .	20.30	23.10	25.89	30.07
1.66	29	5.088	48	8.421	8.24	12.71	16.87	21.02	24.33	26.54	30.68	34.82	37.58	40.34	44.48
1.67	36	6.316	60	10.527	. . .	9.97	14.17	18.35	21.67	23.88	28.03	32.17	34.94	37.70	41.84
1.67	48	8.421	80	14.036	. . .	. . .	. . .	13.77	17.13	19.36	23.53	27.69	30.46	33.23	37.38
1.68	38	6.667	64	11.229	. . .	. . .	13.31	17.49	20.82	23.04	27.19	31.33	34.10	36.86	41.00
1.70	40	7.018	68	11.930	. . .	. . .	12.43	16.63	19.97	22.19	26.34	30.49	33.26	36.02	40.16
1.71	28	4.912	48	8.421	8.36	12.83	17.00	21.15	24.47	26.68	30.82	34.95	37.72	40.48	44.61
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.95**	**0.95**	**1.00**	**1.00**	**1.00**	**1.05**	**1.05**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

DODGE

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven												
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches	3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M
Length Factor*					**1.05**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**
1.37	38	6.667	52	9.123	49.59	53.72	56.49	63.37	72.74	77.71	85.15	92.32	100.58	108.85	122.63
1.38	32	5.614	44	7.720	51.53	55.66	58.42	65.30	74.68	79.64	87.08	94.25	102.51	110.78	124.56
1.38	29	5.088	40	7.018	52.49	56.62	59.38	66.27	75.64	80.61	88.05	95.21	103.48	111.75	125.53
1.39	52	9.123	72	12.632	44.89	49.02	51.78	58.67	68.05	73.01	80.45	87.62	95.89	104.16	117.94
1.40	40	7.018	56	9.825	48.76	52.89	55.65	62.54	71.91	76.88	84.32	91.49	99.75	108.02	121.80
1.40	80	14.036	112	19.650	35.44	39.58	42.35	49.25	58.63	63.60	71.05	78.22	86.49	94.76	108.55
1.41	64	11.229	90	15.790	40.73	44.86	47.62	54.52	63.89	68.86	76.31	83.47	91.74	100.01	113.80
1.41	34	5.965	48	8.421	50.70	54.83	57.59	64.47	73.85	78.81	86.25	93.42	101.68	109.95	123.74
1.42	48	8.421	68	11.930	45.99	50.13	52.89	59.78	69.15	74.12	81.56	88.72	96.99	105.26	119.04
1.43	28	4.912	40	7.018	52.63	56.76	59.52	66.41	75.78	80.74	88.18	95.35	103.61	111.89	125.67
1.43	56	9.825	80	14.036	43.22	47.35	50.12	57.01	66.38	71.35	78.79	85.96	94.23	102.50	116.28
1.44	36	6.316	52	9.123	49.86	54.00	56.76	63.64	73.02	77.98	85.42	92.59	100.85	109.13	122.91
1.46	44	7.720	64	11.229	47.09	51.23	53.99	60.88	70.25	75.22	82.66	89.83	98.09	106.36	120.14
1.47	30	5.263	44	7.720	51.80	55.93	58.69	65.58	74.95	79.91	87.35	94.52	102.79	111.06	124.84
1.47	38	6.667	56	9.825	49.03	53.16	55.92	62.81	72.18	77.15	84.59	91.76	100.02	108.30	122.08
1.50	32	5.614	48	8.421	50.97	55.10	57.86	64.75	74.12	79.08	86.53	93.69	101.96	110.23	124.01
1.50	40	7.018	60	10.527	48.20	52.33	55.09	61.98	71.35	76.32	83.76	90.93	99.19	107.47	121.25
1.50	48	8.421	72	12.632	45.43	49.56	52.32	59.21	68.59	73.55	81.00	88.16	96.43	104.70	118.49
1.50	60	10.527	90	15.790	41.26	45.39	48.16	55.05	64.43	69.40	76.85	84.01	92.28	100.56	114.34
1.52	29	5.088	44	7.720	51.93	56.07	58.83	65.71	75.08	80.05	87.49	94.66	102.92	111.19	124.97
1.53	34	5.965	52	9.123	50.14	54.27	57.03	63.92	73.29	78.25	85.70	92.86	101.13	109.40	123.18
1.54	52	9.123	80	14.036	43.75	47.89	50.65	57.54	66.92	71.89	79.33	86.50	94.77	103.04	116.83
1.55	44	7.720	68	11.930	46.53	50.66	53.43	60.32	69.69	74.66	82.10	89.27	97.53	105.81	119.59
1.56	36	6.316	56	9.825	49.30	53.43	56.20	63.08	72.46	77.42	84.86	92.03	100.30	108.57	122.35
1.56	72	12.632	112	19.650	36.49	40.63	43.40	50.31	59.70	64.67	72.12	79.29	87.57	95.84	109.63
1.57	28	4.912	44	7.720	52.07	56.20	58.96	65.85	75.22	80.19	87.63	94.79	103.06	111.33	125.11
1.58	38	6.667	60	10.527	48.47	52.60	55.36	62.25	71.62	76.59	84.03	91.20	99.47	107.74	121.52
1.60	30	5.263	48	8.421	51.24	55.37	58.13	65.02	74.39	79.36	86.80	93.96	102.23	110.50	124.28
1.60	40	7.018	64	11.229	47.63	51.77	54.53	61.42	70.79	75.76	83.20	90.37	98.64	106.91	120.69
1.61	56	9.825	90	15.790	41.79	45.93	48.69	55.59	64.97	69.94	77.38	84.55	92.82	101.10	114.88
1.63	32	5.614	52	9.123	50.41	54.54	57.30	64.19	73.56	78.53	85.97	93.13	101.40	109.67	123.45
1.64	44	7.720	72	12.632	45.96	50.10	52.86	59.75	69.13	74.09	81.54	88.71	96.97	105.25	119.03
1.65	34	5.965	56	9.825	49.57	53.70	56.47	63.35	72.73	77.69	85.14	92.30	100.57	108.84	122.62
1.65	68	11.930	112	19.650	37.01	41.16	43.93	50.84	60.23	65.20	72.65	79.83	88.10	96.38	110.17
1.66	29	5.088	48	8.421	51.37	55.51	58.27	65.15	74.53	79.49	86.93	94.10	102.37	110.64	124.42
1.67	36	6.316	60	10.527	48.74	52.87	55.63	62.52	71.90	76.86	84.31	91.47	99.74	108.01	121.79
1.67	48	8.421	80	14.036	44.28	48.42	51.19	58.08	67.46	72.43	79.87	87.04	95.31	103.58	117.37
1.68	38	6.667	64	11.229	47.90	52.03	54.80	61.69	71.06	76.03	83.47	90.64	98.91	107.18	120.96
1.70	40	7.018	68	11.930	47.06	51.20	53.96	60.85	70.23	75.20	82.64	89.81	98.08	106.35	120.13
1.71	28	4.912	48	8.421	51.51	55.64	58.40	65.29	74.66	79.63	87.07	94.24	102.50	110.77	124.56
Length Factor*					**1.05**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

V-Drives
FHP Drives
Drive Component Accessories
DYNA-SYNC
HT200/HTD Synchronous Drives
HT500 Synchronous Drives
Roller Chain Sprockets

SELECTION

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven												
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches	966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.95**	**0.95**	**1.00**	**1.00**	**1.00**	**1.05**	**1.05**
1.73	52	9.123	90	15.790	. . .	. . .	. . .	. . .	15.06	17.32	21.51	25.69	28.47	31.24	35.40
1.73	30	5.263	52	9.123	. . .	11.97	16.15	20.30	23.62	25.83	29.98	34.12	36.88	39.64	43.78
1.75	32	5.614	56	9.825	. . .	11.10	15.29	19.46	22.78	24.99	29.14	33.28	36.04	38.80	42.94
1.75	64	11.229	112	19.650	. . .	. . .	. . .	. . .	. . .	. . .	16.55	20.79	23.60	26.40	30.58
1.77	34	5.965	60	10.527	. . .	10.22	14.43	18.60	21.93	24.14	28.30	32.44	35.20	37.96	42.11
1.78	36	6.316	64	11.229	. . .	. . .	13.56	17.74	21.08	23.30	27.45	31.59	34.36	37.12	41.27
1.79	38	6.667	68	11.930	. . .	. . .	12.68	16.88	20.22	22.44	26.60	30.75	33.52	36.28	40.43
1.79	29	5.088	52	9.123	. . .	12.10	16.27	20.43	23.75	25.97	30.11	34.25	37.01	39.77	43.91
1.80	40	7.018	72	12.632	. . .	. . .	11.79	16.02	19.36	21.59	25.75	29.91	32.68	35.44	39.59
1.80	80	14.036	144	25.264	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	23.58
1.82	44	7.720	80	14.036	. . .	. . .	. . .	14.26	17.63	19.87	24.05	28.21	30.98	33.75	37.90
1.86	28	4.912	52	9.123	7.70	12.22	16.40	20.56	23.88	26.10	30.24	34.38	37.15	39.91	44.05
1.87	30	5.263	56	9.825	. . .	11.34	15.54	19.71	23.04	25.25	29.40	33.54	36.31	39.07	43.21
1.87	60	10.527	112	19.650	. . .	. . .	. . .	. . .	. . .	. . .	17.02	21.28	24.10	26.90	31.08
1.88	32	5.614	60	10.527	. . .	10.46	14.68	18.86	22.19	24.40	28.56	32.70	35.47	38.23	42.37
1.88	48	8.421	90	15.790	. . .	. . .	. . .	. . .	15.55	17.81	22.02	26.20	28.98	31.76	35.92
1.88	34	5.965	64	11.229	. . .	9.56	13.80	18.00	21.33	23.55	27.71	31.86	34.63	37.39	41.53
1.89	36	6.316	68	11.930	. . .	. . .	12.92	17.13	20.48	22.70	26.86	31.01	33.78	36.55	40.69
1.90	38	6.667	72	12.632	. . .	. . .	12.03	16.26	19.62	21.84	26.01	30.17	32.94	35.70	39.85
1.93	29	5.088	56	9.825	. . .	11.47	15.67	19.84	23.17	25.38	29.53	33.67	36.44	39.20	43.34
2.00	28	4.912	56	9.825	. . .	11.59	15.79	19.97	23.30	25.51	29.66	33.81	36.57	39.33	43.48
2.00	30	5.263	60	10.527	. . .	10.70	14.93	19.11	22.44	24.66	28.82	32.96	35.73	38.49	42.64
2.00	32	5.614	64	11.229	. . .	9.79	14.05	18.25	21.59	23.81	27.97	32.12	34.89	37.65	41.80
2.00	34	5.965	68	11.930	. . .	. . .	13.17	17.38	20.73	22.96	27.12	31.27	34.04	36.81	40.96
2.00	36	6.316	72	12.632	. . .	. . .	12.27	16.51	19.87	22.10	26.27	30.42	33.20	35.96	40.11
2.00	40	7.018	80	14.036	. . .	. . .	. . .	14.74	18.12	20.37	24.55	28.72	31.50	34.27	38.42
2.00	56	9.825	112	19.650	. . .	. . .	. . .	. . .	. . .	. . .	17.50	21.76	24.59	27.39	31.59
2.00	72	12.632	144	25.264	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	20.23	24.54
2.05	44	7.720	90	15.790	. . .	. . .	. . .	12.58	16.02	18.29	22.51	26.70	29.49	32.27	36.43
2.07	29	5.088	60	10.527	. . .	10.82	15.05	19.24	22.57	24.79	28.95	33.09	35.86	38.63	42.77
2.10	80	14.036	168	29.475	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2.11	38	6.667	80	14.036	. . .	. . .	. . .	14.98	18.37	20.61	24.81	28.98	31.76	34.53	38.68
2.12	34	5.965	72	12.632	. . .	. . .	12.51	16.76	20.12	22.35	26.52	30.68	33.46	36.23	40.38
2.12	68	11.930	144	25.264	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	20.69	25.01
2.13	32	5.614	68	11.930	. . .	. . .	13.41	17.63	20.98	23.21	27.38	31.53	34.31	37.07	41.22
2.13	30	5.263	64	11.229	. . .	10.03	14.29	18.50	21.84	24.07	28.23	32.38	35.15	37.91	42.06
2.14	28	4.912	60	10.527	. . .	10.94	15.17	19.37	22.70	24.92	29.08	33.23	35.99	38.76	42.90
2.15	52	9.123	112	19.650	. . .	. . .	. . .	. . .	. . .	. . .	17.97	22.25	25.08	27.89	32.09
2.21	29	5.088	64	11.229	. . .	10.14	14.42	18.63	21.97	24.19	28.36	32.51	35.28	38.05	42.19
2.22	36	6.316	80	14.036	. . .	. . .	10.88	15.22	18.61	20.86	25.06	29.23	32.01	34.79	38.94
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.95**	**0.95**	**1.00**	**1.00**	**1.00**	**1.05**	**1.05**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven												
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches	3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M
Length Factor*					**1.05**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**
1.73	52	9.123	90	15.790	42.31	46.45	49.22	56.12	65.50	70.47	77.92	85.09	93.36	101.64	115.43
1.73	30	5.263	52	9.123	50.67	54.81	57.57	64.46	73.83	78.80	86.24	93.41	101.67	109.94	123.73
1.75	32	5.614	56	9.825	49.84	53.97	56.74	63.62	73.00	77.97	85.41	92.58	100.84	109.11	122.90
1.75	64	11.229	112	19.650	37.52	41.67	44.45	51.36	60.76	65.73	73.19	80.36	88.64	96.92	110.71
1.77	34	5.965	60	10.527	49.00	53.14	55.90	62.79	72.17	77.13	84.58	91.74	100.01	108.28	122.07
1.78	36	6.316	64	11.229	48.17	52.30	55.07	61.96	71.33	76.30	83.74	90.91	99.18	107.45	121.24
1.79	38	6.667	68	11.930	47.33	51.47	54.23	61.12	70.50	75.47	82.91	90.08	98.35	106.62	120.41
1.79	29	5.088	52	9.123	50.81	54.94	57.70	64.59	73.97	78.93	86.38	93.54	101.81	110.08	123.86
1.80	40	7.018	72	12.632	46.49	50.63	53.39	60.29	69.67	74.63	82.08	89.25	97.52	105.79	119.57
1.80	80	14.036	144	25.264	30.63	34.82	37.61	44.56	54.00	58.99	66.46	73.64	81.93	90.22	104.02
1.82	44	7.720	80	14.036	44.81	48.95	51.72	58.61	67.99	72.96	80.41	87.58	95.85	104.12	117.91
1.86	28	4.912	52	9.123	50.94	55.08	57.84	64.73	74.10	79.07	86.51	93.68	101.95	110.22	124.00
1.87	30	5.263	56	9.825	50.11	54.24	57.00	63.89	73.27	78.24	85.68	92.85	101.11	109.39	123.17
1.87	60	10.527	112	19.650	38.04	42.19	44.97	51.88	61.28	66.26	73.72	80.90	89.17	97.45	111.25
1.88	32	5.614	60	10.527	49.27	53.41	56.17	63.06	72.44	77.40	84.85	92.02	100.28	108.56	122.34
1.88	48	8.421	90	15.790	42.84	46.98	49.75	56.65	66.04	71.01	78.46	85.63	93.90	102.18	115.97
1.88	34	5.965	64	11.229	48.43	52.57	55.33	62.23	71.60	76.57	84.01	91.18	99.45	107.72	121.51
1.89	36	6.316	68	11.930	47.60	51.73	54.50	61.39	70.77	75.74	83.18	90.35	98.62	106.89	120.68
1.90	38	6.667	72	12.632	46.76	50.90	53.66	60.55	69.93	74.90	82.35	89.52	97.79	106.06	119.85
1.93	29	5.088	56	9.825	50.24	54.38	57.14	64.03	73.40	78.37	85.81	92.98	101.25	109.52	123.30
2.00	28	4.912	56	9.825	50.38	54.51	57.27	64.16	73.54	78.51	85.95	93.12	101.39	109.66	123.44
2.00	30	5.263	60	10.527	49.54	53.67	56.44	63.33	72.71	77.67	85.12	92.29	100.55	108.83	122.61
2.00	32	5.614	64	11.229	48.70	52.84	55.60	62.49	71.87	76.84	84.28	91.45	99.72	108.00	121.78
2.00	34	5.965	68	11.930	47.86	52.00	54.76	61.66	71.04	76.01	83.45	90.62	98.89	107.16	120.95
2.00	36	6.316	72	12.632	47.02	51.16	53.93	60.82	70.20	75.17	82.62	89.79	98.06	106.33	120.12
2.00	40	7.018	80	14.036	45.34	49.48	52.25	59.15	68.53	73.50	80.95	88.12	96.39	104.67	118.45
2.00	56	9.825	112	19.650	38.55	42.71	45.48	52.40	61.81	66.79	74.25	81.43	89.71	97.99	111.78
2.00	72	12.632	144	25.264	31.61	35.82	38.62	45.58	55.03	60.02	67.50	74.69	82.99	91.28	105.09
2.05	44	7.720	90	15.790	43.36	47.50	50.27	57.18	66.57	71.54	78.99	86.17	94.44	102.72	116.51
2.07	29	5.088	60	10.527	49.6C	53.81	56.57	63.46	72.84	77.81	85.25	92.42	100.69	108.96	122.75
2.10	80	14.036	168	29.475	26.71	31.00	33.84	40.88	50.39	55.41	62.91	70.13	78.44	86.74	100.57
2.11	38	6.667	80	14.036	45.60	49.74	52.51	59.41	68.80	73.77	81.22	88.39	96.66	104.94	118.72
2.12	34	5.965	72	12.632	47.29	51.43	54.19	61.09	70.47	75.44	82.89	90.06	98.33	106.60	120.39
2.12	68	11.930	144	25.264	32.10	36.31	39.12	46.09	55.54	60.54	68.02	75.22	83.51	91.81	105.62
2.13	32	5.614	68	11.930	48.13	52.27	55.03	61.93	71.31	76.28	83.72	90.89	99.16	107.43	121.22
2.13	30	5.263	64	11.229	48.97	53.10	55.87	62.76	72.14	77.11	84.55	91.72	99.99	108.27	122.05
2.14	28	4.912	60	10.527	49.81	53.94	56.70	63.60	72.98	77.94	85.39	92.56	100.83	109.10	122.88
2.15	52	9.123	112	19.650	39.06	43.22	46.00	52.92	62.33	67.32	74.78	81.96	90.24	98.52	112.32
2.21	29	5.088	64	11.229	49.10	53.24	56.00	62.89	72.27	77.24	84.69	91.86	100.13	108.40	122.19
2.22	36	6.316	80	14.036	45.86	50.01	52.77	59.68	69.06	74.03	81.48	88.66	96.93	105.20	118.99
Length Factor*					**1.05**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

V-Drives
FHP Drives
Drive Component Accessories
DYNA-SYNC
HT200/HTD Synchronous Drives
HT500 Synchronous Drives
Roller Chain Sprockets

SELECTION

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.95**	**0.95**	**1.00**	**1.00**	**1.00**	**1.05**	**1.05**
2.25	32	5.614	72	12.632	. . .	. . .	12.74	17.00	20.37	22.60	26.78	30.94	33.72	36.49	40.64
2.25	40	7.018	90	15.790	. . .	. . .	. . .	13.04	16.50	18.78	23.01	27.20	30.00	32.78	36.95
2.25	64	11.229	144	25.264	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	21.15	25.49
2.27	30	5.263	68	11.930	. . .	9.32	13.65	17.88	21.23	23.46	27.64	31.79	34.57	37.33	41.48
2.29	28	4.912	64	11.229	. . .	10.26	14.54	18.75	22.10	24.32	28.49	32.64	35.41	38.18	42.32
2.33	48	8.421	112	19.650	. . .	. . .	. . .	. . .	. . .	. . .	18.43	22.73	25.56	28.38	32.59
2.33	72	12.632	168	29.475	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2.35	29	5.088	68	11.930	. . .	9.43	13.77	18.00	21.36	23.59	27.76	31.92	34.70	37.46	41.61
2.35	34	5.965	80	14.036	. . .	. . .	11.11	15.46	18.86	21.11	25.31	29.48	32.27	35.04	39.20
2.37	38	6.667	90	15.790	. . .	. . .	. . .	13.27	16.74	19.02	23.25	27.45	30.25	33.03	37.20
2.40	30	5.263	72	12.632	. . .	. . .	12.98	17.25	20.62	22.85	27.03	31.20	33.98	36.75	40.90
2.40	60	10.527	144	25.264	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	18.64	21.61	25.96
2.40	80	14.036	192	33.686	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2.43	28	4.912	68	11.930	. . .	9.54	13.89	18.13	21.49	23.72	27.89	32.05	34.83	37.59	41.74
2.47	68	11.930	168	29.475	. . .	. . .	. . .	. . .							
2.48	29	5.088	72	12.632	. . .	. . .	13.10	17.37	20.74	22.98	27.16	31.33	34.10	36.87	41.03
2.50	32	5.614	80	14.036	. . .	. . .	11.34	15.69	19.10	21.36	25.56	29.74	32.52	35.30	39.46
2.50	36	6.316	90	15.790	. . .	. . .	. . .	13.49	16.97	19.26	23.50	27.70	30.50	33.29	37.46
2.55	44	7.720	112	19.650	. . .	. . .	. . .	. . .	. . .	14.46	18.89	23.20	26.05	28.87	33.08
2.57	28	4.912	72	12.632	. . .	. . .	13.21	17.49	20.86	23.10	27.29	31.45	34.23	37.00	41.16
2.57	56	9.825	144	25.264	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	19.09	22.06	26.43
2.63	64	11.229	168	29.475	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	21.15
2.65	34	5.965	90	15.790	. . .	. . .	. . .	13.72	17.21	19.50	23.74	27.95	30.75	33.54	37.71
2.67	30	5.263	80	14.036	. . .	. . .	11.56	15.93	19.34	21.60	25.81	29.99	32.78	35.56	39.72
2.67	72	12.632	192	33.686	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2.70	80	14.036	216	37.896	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2.76	29	5.088	80	14.036	. . .	. . .	11.67	16.05	19.46	21.72	25.93	30.12	32.91	35.68	39.85
2.77	52	9.123	144	25.264	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	19.53	22.51	26.89
2.80	40	7.018	112	19.650	. . .	. . .	. . .	. . .	. . .	14.90	19.36	23.68	26.53	29.36	33.58
2.80	60	10.527	168	29.475	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	21.59
2.81	32	5.614	90	15.790	. . .	. . .	. . .	13.95	17.44	19.73	23.99	28.20	31.00	33.79	37.97
2.82	68	11.930	192	33.686	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2.86	28	4.912	80	14.036	. . .	. . .	11.78	16.17	19.58	21.85	26.06	30.24	33.03	35.81	39.98
2.95	38	6.667	112	19.650	. . .	. . .	. . .	. . .	. . .	15.12	19.58	23.91	26.77	29.60	33.83
3.00	30	5.263	90	15.790	. . .	. . .	. . .	14.17	17.68	19.97	24.23	28.45	31.25	34.04	38.22
3.00	48	8.421	144	25.264	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	19.97	22.97	27.36
3.00	56	9.825	168	29.475	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	22.02
3.00	64	11.229	192	33.686	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
3.00	72	12.632	216	37.896	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
3.10	29	5.088	90	15.790	. . .	. . .	. . .	14.28	17.79	20.09	24.35	28.57	31.38	34.17	38.35
3.11	36	6.316	112	19.650	. . .	. . .	. . .	. . .	. . .	15.34	19.81	24.15	27.01	29.84	34.07
3.20	60	10.527	192	33.686	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.95**	**0.95**	**1.00**	**1.00**	**1.00**	**1.05**	**1.05**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

DODGE

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven												
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches	3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M
Length Factor*					**1.05**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**
2.25	32	5.614	72	12.632	47.55	51.69	54.46	61.35	70.74	75.71	83.16	90.33	98.60	106.87	120.66
2.25	40	7.018	90	15.790	43.88	48.03	50.80	57.70	67.10	72.07	79.53	86.70	94.98	103.25	117.04
2.25	64	11.229	144	25.264	32.59	36.81	39.62	46.59	56.05	61.05	68.54	75.74	84.04	92.33	106.15
2.27	30	5.263	68	11.930	48.39	52.53	55.30	62.19	71.57	76.54	83.99	91.16	99.43	107.71	121.49
2.29	28	4.912	64	11.229	49.23	53.37	56.13	63.03	72.41	77.38	84.82	91.99	100.26	108.54	122.32
2.33	48	8.421	112	19.650	39.56	43.73	46.51	53.44	62.86	67.84	75.30	82.49	90.77	99.05	112.85
2.33	72	12.632	168	29.475	27.65	31.95	34.81	41.86	51.39	56.42	63.93	71.16	79.47	87.78	101.62
2.35	29	5.088	68	11.930	48.52	52.66	55.43	62.33	71.71	76.68	84.12	91.29	99.57	107.84	121.63
2.35	34	5.965	80	14.036	46.12	50.27	53.04	59.94	69.33	74.30	81.75	88.92	97.20	105.47	119.26
2.37	38	6.667	90	15.790	44.14	48.29	51.06	57.97	67.36	72.34	79.79	86.97	95.24	103.52	117.31
2.40	30	5.263	72	12.632	47.81	51.95	54.72	61.62	71.00	75.98	83.42	90.60	98.87	107.14	120.93
2.40	60	10.527	144	25.264	33.08	37.30	40.11	47.10	56.56	61.57	69.06	76.26	84.56	92.86	106.68
2.40	80	14.036	192	33.686	- - -	26.89	29.82	37.02	46.66	51.72	59.28	66.54	74.89	83.22	97.08
2.43	28	4.912	68	11.930	48.66	52.80	55.56	62.46	71.84	76.81	84.26	91.43	99.70	107.98	121.76
2.47	68	11.930	168	29.475	28.11	32.43	35.28	42.35	51.89	56.92	64.44	71.67	79.99	88.30	102.14
2.48	29	5.088	72	12.632	47.94	52.09	54.85	61.75	71.14	76.11	83.56	90.73	99.00	107.28	121.06
2.50	32	5.614	80	14.036	46.39	50.53	53.30	60.20	69.59	74.57	82.02	89.19	97.47	105.74	119.53
2.50	36	6.316	90	15.790	44.40	48.55	51.32	58.23	67.63	72.60	80.06	87.23	95.51	103.79	117.58
2.55	44	7.720	112	19.650	40.07	44.24	47.02	53.96	63.38	68.36	75.83	83.01	91.30	99.58	113.39
2.57	28	4.912	72	12.632	48.08	52.22	54.99	61.89	71.27	76.24	83.69	90.86	99.14	107.41	121.20
2.57	56	9.825	144	25.264	33.56	37.79	40.61	47.60	57.07	62.08	69.57	76.78	85.08	93.38	107.20
2.63	64	11.229	168	29.475	28.57	32.90	35.76	42.84	52.39	57.42	64.95	72.18	80.50	88.82	102.67
2.65	34	5.965	90	15.790	44.65	48.81	51.58	58.49	67.89	72.87	80.32	87.50	95.78	104.06	117.85
2.67	30	5.263	80	14.036	46.65	50.79	53.56	60.47	69.86	74.83	82.29	89.46	97.73	106.01	119.80
2.67	72	12.632	192	33.686	- - -	27.79	30.74	37.97	47.63	52.71	60.28	67.54	75.90	84.24	98.12
2.70	80	14.036	216	37.896	- - -	22.16	25.32	32.85	42.73	47.86	55.51	62.82	72.23	79.60	93.51
2.76	29	5.088	80	14.036	46.78	50.92	53.69	60.60	69.99	74.97	82.42	89.59	97.87	106.15	119.94
2.77	52	9.123	144	25.264	34.04	38.28	41.10	48.10	57.58	62.59	70.09	77.30	85.60	93.91	107.73
2.80	40	7.018	112	19.650	40.57	44.75	47.53	54.47	63.90	68.89	76.35	83.54	91.83	100.12	113.92
2.80	60	10.527	168	29.475	29.03	33.37	36.24	43.33	52.89	57.93	65.46	72.69	81.02	89.34	103.19
2.81	32	5.614	90	15.790	44.91	49.07	51.84	58.75	68.15	73.13	80.59	87.77	96.04	104.33	118.12
2.82	68	11.930	192	33.686	23.63	28.19	31.15	38.41	48.09	53.18	60.76	68.03	76.39	84.73	98.61
2.86	28	4.912	80	14.036	46.91	51.05	53.82	60.73	70.12	75.10	82.55	89.73	98.00	106.28	120.07
2.95	38	6.667	112	19.650	40.82	45.00	47.79	54.73	64.16	69.15	76.62	83.80	92.09	100.38	114.19
3.00	30	5.263	90	15.790	45.17	49.32	52.10	59.02	68.42	73.40	80.85	88.03	96.31	104.59	118.39
3.00	48	8.421	144	25.264	34.52	38.77	41.59	48.60	58.09	63.10	70.60	77.81	86.12	94.43	108.26
3.00	56	9.825	168	29.475	29.49	33.84	36.71	43.81	53.38	58.43	65.96	73.20	81.53	89.86	103.71
3.00	64	11.229	192	33.686	24.14	28.69	31.65	38.91	48.60	53.69	61.27	68.55	76.91	85.26	99.15
3.00	72	12.632	216	37.896	- - -	23.01	26.19	33.76	43.67	48.82	56.48	63.81	72.22	80.61	94.53
3.10	29	5.088	90	15.790	45.30	49.45	52.23	59.15	68.55	73.53	80.99	88.17	96.44	104.73	118.52
3.11	36	6.316	112	19.650	41.07	45.25	48.04	54.99	64.42	69.41	76.88	84.07	92.36	100.65	114.45
3.20	60	10.527	192	33.686	24.49	29.08	32.06	39.34	49.06	54.15	61.75	69.03	77.40	85.75	99.64
Length Factor*					**1.05**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

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SELECTION

DODGE

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. Of Teeth	Pitch Dia. Inches	No. Of Teeth	Pitch Dia. Inches											
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.95**	**0.95**	**1.00**	**1.00**	**1.00**	**1.05**	**1.05**
3.21	28	4.912	90	15.790	...	...	...	14.40	17.91	20.21	24.47	28.69	31.50	34.29	38.48
3.23	52	9.123	168	29.475	...	...	...	...	...	...	...	...	...	...	22.46
3.27	44	7.720	144	25.264	...	...	...	...	...	...	...	17.29	20.41	23.42	27.82
3.29	34	5.965	112	19.650	...	...	...	...	...	15.56	20.04	24.39	27.25	30.09	34.32
3.38	64	11.229	216	37.896	...	...	...	...	...	...	...	...	...	...	...
3.43	56	9.825	192	33.686	...	...	...	...	...	...	...	...	...	...	...
3.50	32	5.614	112	19.650	...	...	...	...	13.25	15.77	20.27	24.62	27.49	30.33	34.56
3.50	48	8.421	168	29.475	...	...	...	...	...	...	...	...	...	...	22.89
3.60	40	7.018	144	25.264	...	...	...	...	...	...	...	17.71	20.85	23.86	28.28
3.69	52	9.123	192	33.686	...	...	...	...	...	...	...	...	...	...	...
3.73	30	5.263	112	19.650	...	...	...	...	13.46	15.99	20.50	24.85	27.72	30.57	34.81
3.79	38	6.667	144	25.264	...	...	...	...	...	...	...	17.92	21.06	24.09	28.51
3.82	44	7.720	168	29.475	...	...	...	...	...	...	...	...	...	...	23.32
3.86	29	5.088	112	19.650	...	...	...	...	13.57	16.10	20.61	24.97	27.84	30.69	34.93
3.86	56	9.825	216	37.896	...	...	...	...	...	...	...	...	...	...	...
4.00	28	4.912	112	19.650	...	...	...	...	13.67	16.21	20.72	25.09	27.96	30.81	35.05
4.00	36	6.316	144	25.264	...	...	...	...	...	...	...	18.13	21.28	24.31	28.74
4.00	48	8.421	192	33.686	...	...	...	...	...	...	...	...	...	...	...
4.20	40	7.018	168	29.475	...	...	...	...	...	...	...	...	...	18.87	23.75
4.24	34	5.965	144	25.264	...	...	...	...	...	...	...	18.34	21.50	24.53	28.97
4.36	44	7.720	192	33.686	...	...	...	...	...	...	...	...	...	...	...
4.42	38	6.667	168	29.475	...	...	...	...	...	...	...	...	...	19.08	23.97
4.50	32	5.614	144	25.264	...	...	...	...	...	...	...	18.55	21.72	24.76	29.20
4.50	48	8.421	216	37.896	...	...	...	...	...	...	...	...	...	...	...
4.67	36	6.316	168	29.475	...	...	...	...	...	...	...	...	...	19.28	24.18
4.80	30	5.263	144	25.264	...	...	...	...	...	...	...	18.76	21.93	24.98	29.43
4.80	40	7.018	192	33.686	...	...	...	...	...	...	...	...	...	...	...
4.91	44	7.720	216	37.896	...	...	...	...	...	...	...	...	...	...	...
4.94	34	5.965	168	29.475	...	...	...	...	...	...	...	...	...	19.48	24.39
4.97	29	5.088	144	25.264	...	...	...	...	...	...	...	18.86	22.04	25.09	29.54
5.05	38	6.667	192	33.686	...	...	...	...	...	...	...	...	...	...	...
5.14	28	4.912	144	25.264	...	...	...	...	...	...	...	18.97	22.15	25.20	29.66
5.25	32	5.614	168	29.475	...	...	...	...	...	...	...	...	...	19.69	24.61
5.33	36	6.316	192	33.686	...	...	...	...	...	...	...	...	...	...	...
5.40	40	7.018	216	37.896	...	...	...	...	...	...	...	...	...	...	...
5.60	30	5.263	168	29.475	...	...	...	...	...	...	...	...	...	19.89	24.82
5.65	34	5.965	192	33.686	...	...	...	...	...	...	...	...	...	...	...
5.65	38	6.667	216	37.896	...	...	...	...	...	...	...	...	...	...	...
5.79	29	5.088	168	29.475	...	...	...	...	...	...	...	...	...	19.99	24.93
6.00	28	4.912	168	29.475	...	...	...	...	...	...	...	...	...	20.09	25.03
6.00	32	5.614	192	33.686	...	...	...	...	...	...	...	...	...	...	...
6.00	36	6.316	216	37.896	...	...	...	...	...	...	...	...	...	...	...
6.35	34	5.965	216	37.896	...	...	...	...	...	...	...	...	...	...	...
6.40	30	5.263	192	33.686	...	...	...	...	...	...	...	...	...	...	...
6.62	29	5.088	192	33.686	...	...	...	...	...	...	...	...	...	...	...
6.75	32	5.614	216	37.896	...	...	...	...	...	...	...	...	...	...	...
6.86	28	4.912	192	33.686	...	...	...	...	...	...	...	...	...	...	
Length Factor*					**0.80**	**0.80**	**0.90**	**0.90**	**0.95**	**0.95**	**1.00**	**1.00**	**1.00**	**1.05**	**1.05**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

DODGE

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					**1.05**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**
3.21	28	4.912	90	15.790	45.42	49.58	52.36	59.28	68.68	73.66	81.12	88.30	96.58	104.86	118.66
3.23	52	9.123	168	29.475	29.95	34.30	37.18	44.30	53.88	58.92	66.46	73.71	82.04	90.37	104.23
3.27	44	7.720	144	25.264	35.00	39.25	42.08	49.09	58.59	63.61	71.11	78.33	86.64	94.95	108.78
3.29	34	5.965	112	19.650	41.32	45.51	48.30	55.24	64.67	69.67	77.14	84.33	92.62	100.91	114.72
3.38	64	11.229	216	37.896	- - -	23.85	27.05	34.66	44.60	49.77	57.45	64.79	73.21	81.61	95.55
3.43	56	9.825	192	33.686	25.01	29.58	32.56	39.85	49.57	54.66	62.26	69.55	77.92	86.28	100.17
3.50	32	5.614	112	19.650	41.57	45.76	48.55	55.50	64.93	69.93	77.40	84.59	92.88	101.17	114.98
3.50	48	8.421	168	29.475	30.41	34.77	37.66	44.78	54.37	59.42	66.97	74.21	82.55	90.89	104.75
3.60	40	7.018	144	25.264	35.48	39.73	42.56	49.59	59.10	64.12	71.62	78.84	87.16	95.47	109.30
3.69	52	9.123	192	33.686	25.35	29.96	32.96	40.28	50.02	55.12	62.73	70.02	78.40	86.77	100.67
3.73	30	5.263	112	19.650	41.82	46.01	48.80	55.75	65.19	70.18	77.66	84.85	93.15	101.44	115.25
3.79	38	6.667	144	25.264	35.71	39.98	42.81	49.84	59.35	64.37	71.88	79.10	87.42	95.73	109.57
3.82	44	7.720	168	29.475	30.86	35.23	38.12	45.26	54.86	59.92	67.47	74.72	83.06	91.40	105.26
3.86	29	5.088	112	19.650	41.95	46.14	48.93	55.88	65.32	70.31	77.79	84.98	93.28	101.57	115.38
3.86	56	9.825	216	37.896	- - -	24.69	27.91	35.56	45.53	50.71	58.41	65.77	74.20	82.61	96.56
4.00	28	4.912	112	19.650	42.07	46.26	49.05	56.01	65.45	70.44	77.92	85.11	93.41	101.70	115.51
4.00	36	6.316	144	25.264	35.95	40.22	43.05	50.08	59.60	64.62	72.13	79.36	87.67	95.99	109.83
4.00	48	8.421	192	33.686	25.87	30.47	33.46	40.78	50.52	55.63	63.24	70.54	78.93	87.29	101.20
4.20	40	7.018	168	29.475	31.31	35.70	38.59	45.74	55.35	60.41	67.97	75.22	83.57	91.91	105.78
4.24	34	5.965	144	25.264	36.19	40.46	43.29	50.33	59.85	64.87	72.39	79.61	87.93	96.25	110.09
4.36	44	7.720	192	33.686	26.30	30.91	33.91	41.24	51.00	56.11	63.73	71.03	79.43	87.80	101.71
4.42	38	6.667	168	29.475	31.54	35.93	38.83	45.98	55.60	60.66	68.22	75.48	83.83	92.17	106.04
4.50	32	5.614	144	25.264	36.43	40.70	43.54	50.58	60.10	65.13	72.64	79.87	88.19	96.51	110.35
4.50	48	8.421	216	37.896	- - -	25.53	28.76	36.45	46.46	51.66	59.37	66.74	75.19	83.60	97.57
4.67	36	6.316	168	29.475	31.76	36.16	39.06	46.22	55.84	60.91	68.47	75.73	84.08	92.42	106.30
4.80	30	5.263	144	25.264	36.66	40.94	43.78	50.82	60.35	65.38	72.90	80.12	88.45	96.77	110.61
4.80	40	7.018	192	33.686	26.73	31.35	34.36	41.70	51.48	56.60	64.22	71.53	79.93	88.30	102.22
4.91	44	7.720	216	37.896	- - -	25.95	29.19	36.89	46.92	52.13	59.85	67.22	75.68	84.10	98.07
4.94	34	5.965	168	29.475	31.99	36.39	39.29	46.46	56.08	61.15	68.72	75.98	84.33	92.68	106.56
4.97	29	5.088	144	25.264	36.78	41.06	43.90	50.94	60.47	65.50	73.02	80.25	88.58	96.90	110.74
5.05	38	6.667	192	33.686	26.94	31.57	34.58	41.93	51.72	56.84	64.47	71.78	80.18	88.55	102.47
5.14	28	4.912	144	25.264	36.90	41.18	44.02	51.07	60.60	65.63	73.15	80.38	88.71	97.03	110.87
5.25	32	5.614	168	29.475	32.22	36.62	39.53	46.69	56.33	61.40	68.97	76.23	84.59	92.93	106.81
5.33	36	6.316	192	33.686	27.16	31.80	34.81	42.17	51.95	57.08	64.71	72.02	80.43	88.80	102.73
5.40	40	7.018	216	37.896	- - -	26.36	29.62	37.34	47.38	52.59	60.33	67.71	76.17	84.59	98.57
5.60	30	5.263	168	29.475	32.44	36.85	39.76	46.93	56.57	61.64	69.22	76.48	84.84	93.19	107.07
5.65	34	5.965	192	33.686	27.26	31.94	34.97	42.35	52.16	57.29	64.93	72.25	80.65	89.04	102.96
5.65	38	6.667	216	37.896	- - -	26.57	29.83	37.56	47.61	52.83	60.56	67.95	76.41	84.84	98.82
5.79	29	5.088	168	29.475	32.55	36.96	39.87	47.05	56.69	61.77	69.34	76.61	84.97	93.32	107.20
6.00	28	4.912	168	29.475	32.67	37.08	39.99	47.17	56.81	61.89	69.46	76.73	85.09	93.44	107.33
6.00	32	5.614	192	33.686	27.59	32.24	35.25	42.63	52.43	57.56	65.20	72.52	80.92	89.31	103.23
6.00	36	6.316	216	37.896	- - -	26.78	30.04	37.78	47.85	53.06	60.80	68.19	76.66	85.09	99.07
6.35	34	5.965	216	37.896	- - -	26.99	30.25	38.00	48.08	53.30	61.04	68.43	76.90	85.33	99.32
6.40	30	5.263	192	33.686	27.80	32.46	35.48	42.86	52.67	57.80	65.44	72.76	81.17	89.56	103.49
6.62	29	5.088	192	33.686	27.79	32.49	35.53	42.93	52.75	57.89	65.54	72.86	81.28	89.66	103.60
6.75	32	5.614	216	37.896	- - -	27.20	30.47	38.22	48.30	53.53	61.28	68.67	77.15	85.58	99.58
6.86	28	4.912	192	33.686	28.01	32.67	35.70	43.09	52.90	58.04	65.68	73.01	81.42	89.81	103.74
Length Factor*					**1.05**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**	**1.10**

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged. Large Sprocket should be ordered with flanges as a special.

* This length correction factor must be used to determine the proper belt width.

FEATURES/BENEFITS PAGE PT11-2	SPECIFICATIONS PAGE PT11-4	ENGINEERING/TECHNICAL PAGE PT11-64	

SELECTION

20MM Ratio/Center Distance Tables

Drive Ratio	Sprocket Combination				Nominal Center Distance										
	Driver		Driven		Belt Length Code Designation										
	No. Of Teeth	Pitch Dia.	No. Of Teeth	Pitch Dia.	2000	2500	3400	3800	4200	4600	5000	5400	5800	6200	6600
Belt Length Factor —>					0.8	0.9	0.95		1.0		1.05			1.1	
1.00	34	8.522	34	8.522	26.0	35.8	53.6	61.4	69.3	77.2	85.0	92.9	100.8	108.7	116.5
1.00	36	9.023	36	9.023	25.2	35.0	52.8	60.6	68.5	76.4	84.3	92.1	100.0	107.9	115.8
1.00	38	9.524	38	9.524	24.4	34.3	52.0	59.9	67.7	75.6	83.5	91.3	99.2	107.1	115.0
1.00	40	10.026	40	10.026	23.6	33.5	51.2	59.1	66.9	74.8	82.7	90.6	98.4	106.3	114.2
1.00	44	11.028	44	11.028	22.1	31.9	49.6	57.5	65.4	73.2	81.1	89.0	96.9	104.7	112.6
1.00	48	12.031	48	12.031	20.5	30.3	48.0	55.9	63.8	71.7	79.5	87.4	95.3	103.2	111.0
1.00	52	13.033	52	13.033	18.9	28.8	46.5	54.3	62.2	70.1	78.0	85.8	93.7	101.6	109.5
1.00	56	14.036	56	14.036	17.3	27.2	44.9	52.8	60.6	68.5	76.4	84.3	92.1	100.0	107.9
1.00	60	15.038	60	15.038	. . .	25.6	43.3	51.2	59.1	66.9	74.8	82.7	90.6	98.4	106.3
1.00	64	16.041	64	16.041	. . .	24.0	41.7	49.6	57.5	65.4	73.2	81.1	89.0	96.9	104.7
1.00	68	17.043	68	17.043	. . .	22.5	40.2	48.0	55.9	63.8	71.7	79.5	87.4	95.3	103.2
1.00	72	18.046	72	18.046	. . .	20.9	38.6	46.5	54.3	62.2	70.1	78.0	85.8	93.7	101.6
1.00	80	20.051	80	20.051	. . .	. . .	35.4	43.3	51.2	59.1	66.9	74.8	82.7	90.6	98.4
1.00	90	22.557	90	22.557	. . .	. . .	31.5	39.4	47.3	55.1	63.0	70.9	78.8	86.6	94.5
1.05	38	9.524	40	10.026	24.0	33.9	51.6	59.5	67.3	75.2	83.1	91.0	98.8	106.7	114.6
1.06	36	9.023	38	9.524	24.8	34.7	52.4	60.2	68.1	76.0	83.9	91.7	99.6	107.5	115.4
1.06	34	8.522	36	9.023	25.6	35.4	53.2	61.0	68.9	76.8	84.7	92.5	100.4	108.3	116.1
1.06	68	17.043	72	18.046	. . .	21.7	39.4	47.3	55.1	63.0	70.9	78.8	86.6	94.5	102.4
1.06	64	16.041	68	17.043	. . .	23.2	41.0	48.8	56.7	64.6	72.5	80.3	88.2	96.1	103.9
1.07	60	15.038	64	16.041	. . .	24.8	42.5	50.4	58.3	66.2	74.0	81.9	89.8	97.6	105.5
1.07	56	14.036	60	15.038	16.5	26.4	44.1	52.0	59.9	67.7	75.6	83.5	91.3	99.2	107.1
1.08	52	13.033	56	14.036	18.1	28.0	45.7	53.6	61.4	69.3	77.2	85.0	92.9	100.8	108.7
1.08	48	12.031	52	13.033	19.7	29.5	47.3	55.1	63.0	70.9	78.7	86.6	94.5	102.4	110.2
1.09	44	11.028	48	12.031	21.3	31.1	48.8	56.7	64.6	72.4	80.3	88.2	96.1	103.9	111.8
1.10	40	10.026	44	11.028	22.8	32.7	50.4	58.3	66.1	74.0	81.9	89.8	97.6	105.5	113.4
1.11	36	9.023	40	10.026	24.4	34.3	52.0	59.8	67.7	75.6	83.5	91.3	99.2	107.1	115.0
1.11	72	18.046	80	20.051	. . .	. . .	37.0	44.9	52.8	60.6	68.5	76.4	84.3	92.1	100.0
1.12	34	8.522	38	9.524	25.2	35.0	52.8	60.6	68.5	76.4	84.3	92.1	100.0	107.9	115.8
1.13	64	16.041	72	18.046	. . .	22.4	40.2	48.0	55.9	63.8	71.7	79.5	87.4	95.3	103.2
1.13	80	20.051	90	22.557	. . .	. . .	33.5	41.3	49.2	57.1	65.0	72.8	80.7	88.6	96.5
1.13	60	15.038	68	17.043	. . .	24.0	41.7	49.6	57.5	65.4	73.2	81.1	89.0	96.9	104.7
1.14	56	14.036	64	16.041	. . .	25.6	43.3	51.2	59.1	66.9	74.8	82.7	90.6	98.4	106.3
1.15	52	13.033	60	15.038	17.3	27.2	44.9	52.8	60.6	68.5	76.4	84.3	92.1	100.0	107.9
1.16	38	9.524	44	11.028	23.2	33.1	50.8	58.7	66.5	74.4	82.3	90.2	98.0	105.9	113.8
1.17	48	12.031	56	14.036	18.9	28.7	46.5	54.3	62.2	70.1	78.0	85.8	93.7	101.6	109.5
1.18	34	8.522	40	10.026	24.8	34.6	52.4	60.2	68.1	76.0	83.9	91.7	99.6	107.5	115.4
1.18	68	17.043	80	20.051	. . .	. . .	37.8	45.7	53.5	61.4	69.3	77.2	85.0	92.9	100.8
1.18	44	11.028	52	13.033	20.5	30.3	48.0	55.9	63.8	71.7	79.5	87.4	95.3	103.2	111.0
1.20	40	10.026	48	12.031	22.0	31.9	49.6	57.5	65.4	73.2	81.1	89.0	96.9	104.7	112.6
1.20	60	15.038	72	18.046	. . .	23.2	40.9	48.8	56.7	64.6	72.4	80.3	88.2	96.1	103.9
1.21	56	14.036	68	17.043	. . .	24.8	42.5	50.4	58.3	66.1	74.0	81.9	89.8	97.6	105.5
1.22	36	9.023	44	11.028	23.6	33.5	51.2	59.1	66.9	74.8	82.7	90.6	98.4	106.3	114.2
1.23	52	13.033	64	16.041	. . .	26.3	44.1	52.0	59.8	67.7	75.6	83.5	91.3	99.2	107.1
1.24	90	22.557	112	28.072	. . .	. . .	. . .	34.9	42.8	50.7	58.6	66.5	74.4	82.3	90.1
1.25	48	12.031	60	15.038	18.1	27.9	45.7	53.5	61.4	69.3	77.2	85.0	92.9	100.8	108.7
1.25	64	16.041	80	20.051	. . .	20.8	38.5	46.4	54.3	62.2	70.1	77.9	85.8	93.7	101.6
1.25	72	18.046	90	22.557	. . .	. . .	35.0	42.9	50.7	58.6	66.5	74.4	82.3	90.1	98.0
1.26	38	9.524	48	12.031	22.4	32.3	50.0	57.9	65.7	73.6	81.5	89.4	97.2	105.1	113.0
1.27	44	11.028	56	14.036	19.6	29.5	47.2	55.1	63.0	70.9	78.7	86.6	94.5	102.4	110.2
1.29	56	14.036	72	18.046	. . .	23.9	41.7	49.6	57.5	65.3	73.2	81.1	89.0	96.8	104.7
Belt Length Factor —>					0.8	0.9	0.95		1.0		1.05			1.1	

NOTES: All 20MM HTD Drives operating above 1000 RPM may require a sound dampening guard.
Belt lengths of 5200, 5600, 6000, and 6400 are also available. Interpolate center distance.

DODGE

20MM Ratio/Center Distance Tables

Drive Ratio	Sprocket Combination				Nominal Center Distance										
	Driver		Driven		Belt Length Code Designation										
	No. Of Teeth	Pitch Dia.	No. Of Teeth	Pitch Dia.	2000	2500	3400	3800	4200	4600	5000	5400	5800	6200	6600
Belt Length Factor —>					**0.8**	**0.9**	**0.95**		**1.0**		**1.05**			**1.1**	
1.29	34	8.522	44	11.028	24.0	33.8	51.6	59.4	67.3	75.2	83.1	90.9	98.8	106.7	114.6
1.30	40	10.026	52	13.033	21.2	31.1	48.8	56.7	64.6	72.4	80.3	88.2	96.1	103.9	111.8
1.31	52	13.033	68	17.043	. . .	25.5	43.3	51.2	59.0	66.9	74.8	82.7	90.5	98.4	106.3
1.32	68	17.043	90	22.557	. . .	. . .	35.7	43.6	51.5	59.4	67.3	75.2	83.0	90.9	98.8
1.33	36	9.023	48	12.031	22.8	32.6	50.4	58.3	66.1	74.0	81.9	89.8	97.6	105.5	113.4
1.33	48	12.031	64	16.041	17.2	27.1	44.8	52.7	60.6	68.5	76.4	84.2	92.1	100.0	107.9
1.33	60	15.038	80	20.051	. . .	21.5	39.3	47.2	55.1	63.0	70.8	78.7	86.6	94.5	102.3
1.36	44	11.028	60	15.038	18.8	28.7	46.4	54.3	62.2	70.1	77.9	85.8	93.7	101.6	109.4
1.37	38	9.524	52	13.033	21.6	31.5	49.2	57.1	64.9	72.8	80.7	88.6	96.4	104.3	112.2
1.38	52	13.033	72	18.046	. . .	24.7	42.5	50.3	58.2	66.1	74.0	81.9	89.7	97.6	105.5
1.40	40	10.026	56	14.036	20.4	30.3	48.0	55.9	63.8	71.6	79.5	87.4	95.3	103.1	111.0
1.40	80	20.051	112	28.072	. . .	. . .	28.9	36.8	44.7	52.6	60.5	68.4	76.3	84.2	92.1
1.41	64	16.041	90	22.557	. . .	. . .	36.5	44.4	52.3	60.2	68.0	75.9	83.8	91.7	99.6
1.41	34	8.522	48	12.031	23.2	33.0	50.8	58.6	66.5	74.4	82.3	90.1	98.0	105.9	113.8
1.42	48	12.031	68	17.043	. . .	26.3	44.0	51.9	59.8	67.7	75.6	83.4	91.3	99.2	107.1
1.43	56	14.036	80	20.051	. . .	22.2	40.0	47.9	55.8	63.7	71.6	79.5	87.4	95.2	103.1
1.44	36	9.023	52	13.033	22.0	31.8	49.6	57.5	65.3	73.2	81.1	89.0	96.8	104.7	112.6
1.45	44	11.028	64	16.041	17.9	27.8	45.6	53.5	61.4	69.3	77.1	85.0	92.9	100.8	108.6
1.47	38	9.524	56	14.036	20.7	30.6	48.4	56.3	64.1	72.0	79.9	87.8	95.6	103.5	111.4
1.50	40	10.026	60	15.038	19.5	29.4	47.2	55.1	62.9	70.8	78.7	86.6	94.5	102.3	110.2
1.50	48	12.031	72	18.046	. . .	25.4	43.2	51.1	59.0	66.9	74.7	82.6	90.5	98.4	106.3
1.50	60	15.038	90	22.557	. . .	. . .	37.2	45.1	53.0	60.9	68.8	76.7	84.6	92.5	100.3
1.53	34	8.522	52	13.033	22.3	32.2	50.0	57.8	65.7	73.6	81.5	89.3	97.2	105.1	113.0
1.54	52	13.033	80	20.051	. . .	23.0	40.8	48.7	56.6	64.5	72.4	80.2	88.1	96.0	103.9
1.55	44	11.028	68	17.043	17.0	27.0	44.8	52.7	60.6	68.4	76.3	84.2	92.1	100.0	107.8
1.56	36	9.023	56	14.036	21.1	31.0	48.8	56.6	64.5	72.4	80.3	88.2	96.0	103.9	111.8
1.56	72	18.046	112	28.072	. . .	. . .	30.3	38.2	46.2	54.1	62.0	69.9	77.8	85.7	93.6
1.58	38	9.524	60	15.038	19.9	29.8	47.6	55.4	63.3	71.2	79.1	87.0	94.8	102.7	110.6
1.60	40	10.026	64	16.041	18.6	28.6	46.4	54.3	62.1	70.0	77.9	85.8	93.7	101.5	109.4
1.60	90	22.557	144	36.092	. . .	. . .	. . .	. . .	36.0	44.0	51.9	59.8	67.8	75.7	83.6
1.61	56	14.036	90	22.557	. . .	. . .	37.9	45.9	53.8	61.7	69.6	77.4	85.3	93.2	101.1
1.64	44	11.028	72	18.046	. . .	26.1	44.0	51.9	59.7	67.6	75.5	83.4	91.3	99.2	107.0
1.65	34	8.522	56	14.036	21.5	31.4	49.1	57.0	64.9	72.8	80.7	88.5	96.4	104.3	112.2
1.65	68	17.043	112	28.072	. . .	. . .	31.0	39.0	46.9	54.8	62.7	70.7	78.5	86.4	94.3
1.67	36	9.023	60	15.038	20.2	30.2	47.9	55.8	63.7	71.6	79.5	87.4	95.2	103.1	111.0
1.67	48	12.031	80	20.051	. . .	23.7	41.5	49.4	57.3	65.2	73.1	81.0	88.9	96.8	104.7
1.68	38	9.524	64	16.041	19.0	28.9	46.7	54.6	62.5	70.4	78.3	86.2	94.0	101.9	109.8
1.70	40	10.026	68	17.043	17.8	27.7	45.5	53.4	61.3	69.2	77.1	85.0	92.9	100.7	108.6
1.73	52	13.033	90	22.557	. . .	20.7	38.7	46.6	54.5	62.4	70.3	78.2	86.1	94.0	101.9
1.75	64	16.041	112	2.072	. . .	. . .	31.7	39.7	47.6	55.6	63.5	71.4	79.3	87.2	95.1
1.76	34	9.023	60	15.038	20.6	30.5	48.3	56.2	64.1	72.0	79.9	87.7	95.6	103.5	111.4
1.78	36	9.023	64	16.041	19.4	29.3	47.1	55.0	62.9	70.8	78.7	86.5	94.4	102.3	110.2
1.79	38	9.524	68	17.043	18.1	28.1	45.9	53.8	61.7	69.6	77.5	85.4	93.2	101.1	109.0
1.80	40	10.026	72	18.046	16.8	26.9	44.7	52.6	60.5	68.4	76.3	84.2	92.0	99.9	107.8
1.80	80	20.051	144	36.092	. . .	. . .	. . .	. . .	37.7	45.7	53.7	61.7	69.6	77.5	85.4
1.82	44	11.028	80	20.051	. . .	24.4	42.3	50.2	58.1	66.0	73.9	81.8	89.7	97.5	105.4
1.87	60	15.038	112	28.072	. . .	. . .	32.4	40.4	48.4	56.3	64.2	72.1	80.0	87.9	95.8
1.87	90	22.557	168	42.108	. . .	. . .	. . .	. . .	. . .	38.5	46.6	54.6	62.6	70.6	78.5
1.88	48	12.031	90	22.557	. . .	21.4	39.4	47.3	55.3	63.2	71.1	79.0	86.8	94.7	102.6
1.88	34	8.522	64	16.041	19.7	29.7	47.5	55.4	63.3	71.2	79.0	86.9	94.8	102.7	110.6
Belt Length Factor —>					**0.8**	**0.9**	**0.95**		**1.0**		**1.05**			**1.1**	

NOTES: All 20MM HTD Drives operating above 1000 RPM may require a sound dampening guard.
Belt lengths of 5200, 5600, 6000, and 6400 are also available. Interpolate center distance.

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SELECTION

20MM Ratio/Center Distance Tables

Drive Ratio	Sprocket Combination				Nominal Center Distance										
	Driver		Driven		Belt Length Code Designation										
	No. Of Teeth	Pitch Dia.	No. Of Teeth	Pitch Dia.	2000	2500	3400	3800	4200	4600	5000	5400	5800	6200	6600
Belt Length Factor —>					0.8	0.9	0.95		1.0		1.05			1.1	
1.89	36	9.023	68	17.043	18.4	28.4	46.3	54.2	62.1	70.0	77.9	85.7	93.6	101.5	109.4
1.89	38	9.524	72	18.046	17.2	27.2	45.1	53.0	60.9	68.8	76.7	84.5	92.4	100.3	108.2
2.00	34	8.522	68	17.043	18.8	28.8	46.6	54.6	62.5	70.3	78.2	86.1	94.0	101.9	109.8
2.00	36	9.023	72	18.046	17.5	27.6	45.4	53.3	61.2	69.1	77.0	84.9	92.8	100.7	108.6
2.00	40	10.026	80	20.051	. . .	25.1	43.0	50.9	58.8	66.7	74.6	82.5	90.4	98.3	106.2
2.00	56	14.036	112	28.072	. . .	. . .	33.1	41.1	49.1	57.0	65.0	72.9	80.8	88.7	96.6
2.00	72	18.046	144	36.092	. . .	. . .	. . .	30.9	39.1	47.1	55.1	63.1	71.1	79.0	86.9
2.05	44	11.028	90	22.557	. . .	22.1	40.1	48.1	56.0	63.9	71.8	79.7	87.6	95.5	103.4
2.10	80	20.051	168	42.108	. . .	. . .	. . .	. . .	. . .	40.2	48.3	56.4	64.4	72.3	80.3
2.11	38	9.524	80	20.051	. . .	25.4	43.4	51.3	59.2	67.1	75.0	82.9	90.8	98.7	106.6
2.12	34	8.522	72	18.046	17.8	27.9	45.8	53.7	61.6	69.5	77.4	85.3	93.2	101.1	109.0
2.12	68	17.043	144	36.092	. . .	. . .	. . .	31.6	39.8	47.8	55.8	63.8	71.8	79.7	87.6
2.13	90	22.557	192	48.123	. . .	. . .	. . .	. . .	. . .	. . .	40.9	49.1	57.2	65.2	73.2
2.15	52	13.033	112	28.072	. . .	. . .	33.8	41.8	49.8	57.8	65.7	73.6	81.5	89.4	97.3
2.22	36	9.023	80	20.051	. . .	25.8	43.7	51.7	59.6	67.5	75.4	83.3	91.2	99.1	106.9
2.25	40	10.026	90	22.557	. . .	22.7	40.8	48.8	56.7	64.6	72.6	80.5	88.4	96.2	104.1
2.25	64	16.041	144	36.092	. . .	. . .	. . .	32.3	40.4	48.5	56.5	64.5	72.5	80.4	88.4
2.33	48	12.031	112	28.072	. . .	. . .	34.5	42.5	50.5	58.5	66.4	74.4	82.3	90.2	98.1
2.33	72	18.046	168	42.108	. . .	. . .	. . .	. . .	33.2	41.5	49.7	57.7	65.8	73.8	81.7
2.35	34	8.522	80	20.051	. . .	26.1	44.1	52.0	59.9	67.9	75.8	83.7	91.5	99.4	107.3
2.37	38	9.524	90	22.557	. . .	23.1	41.2	49.2	57.1	65.0	72.9	80.8	88.7	96.6	104.5
2.40	60	15.038	144	36.092	. . .	. . .	. . .	32.9	41.1	49.2	57.3	65.2	73.2	81.2	89.1
2.40	80	20.051	192	48.123	. . .	. . .	. . .	. . .	. . .	. . .	42.5	50.7	58.9	67.0	75.0
2.40	90	22.557	216	54.139	. . .	. . .	. . .	. . .	. . .	. . .	. . .	43.1	51.4	59.6	67.8
2.47	68	17.043	168	42.108	. . .	. . .	. . .	. . .	33.9	42.2	50.3	58.4	66.5	74.5	82.5
2.50	36	9.023	90	22.557	. . .	23.4	41.5	49.5	57.5	65.4	73.3	81.2	89.1	97.0	104.9
2.55	44	11.028	112	28.072	. . .	. . .	35.1	43.2	51.2	59.2	67.1	75.1	83.0	90.9	98.8
2.57	56	14.036	144	36.092	. . .	. . .	. . .	33.6	41.8	49.9	58.0	66.0	73.9	81.9	89.8
2.63	64	16.041	168	42.108	. . .	. . .	. . .	. . .	34.5	42.8	51.0	59.1	67.2	75.2	83.2
2.65	34	8.522	90	22.557	. . .	23.7	41.9	49.9	57.8	65.7	73.7	81.6	89.5	97.4	105.3
2.67	72	18.046	192	48.123	. . .	. . .	. . .	. . .	. . .	35.4	43.8	52.1	60.3	68.3	76.4
2.70	80	20.051	216	54.139	. . .	. . .	. . .	. . .	. . .	. . .	. . .	44.8	53.1	61.3	69.5
2.77	52	13.033	144	36.092	. . .	. . .	. . .	34.2	42.5	50.6	58.7	66.7	74.7	82.6	90.6
2.80	40	10.026	112	28.072	. . .	. . .	35.8	43.9	51.9	59.9	67.9	75.8	83.7	91.7	99.6
2.80	60	15.038	168	42.108	. . .	. . .	. . .	. . .	35.2	43.5	51.7	59.8	67.9	75.9	83.9
2.82	68	17.043	192	48.123	. . .	. . .	. . .	. . .	. . .	36.1	44.5	52.8	60.9	69.0	77.1
2.95	38	9.524	112	28.072	. . .	. . .	36.2	44.3	52.3	60.3	68.2	76.2	84.1	92.0	99.9
3.00	48	12.031	144	36.092	. . .	. . .	26.4	34.9	43.1	51.3	59.3	67.4	75.4	83.3	91.3
3.00	56	14.036	168	42.108	. . .	. . .	. . .	. . .	35.8	44.2	52.4	60.5	68.6	76.6	84.6
3.00	64	16.041	192	48.123	. . .	. . .	. . .	. . .	. . .	36.7	45.1	53.4	61.6	69.7	77.8
3.00	72	18.046	216	54.139	. . .	. . .	. . .	. . .	. . .	. . .	. . .	46.1	54.4	62.7	70.8
3.11	36	9.023	112	28.072	. . .	. . .	36.5	44.6	52.6	60.6	68.6	76.5	84.5	92.4	100.3
3.18	68	17.043	216	54.139	. . .	. . .	. . .	. . .	. . .	. . .	38.1	46.7	55.1	63.3	71.5
3.20	60	15.038	192	48.123	. . .	. . .	. . .	. . .	. . .	37.3	45.8	54.1	62.3	70.4	78.5
3.23	52	13.033	168	42.108	. . .	. . .	. . .	. . .	36.5	44.8	53.1	61.2	69.3	77.3	85.3
3.27	44	11.028	144	36.092	. . .	. . .	27.1	35.6	43.8	52.0	60.0	68.1	76.1	84.1	92.0
3.29	34	8.522	112	28.072	. . .	. . .	36.8	44.9	53.0	61.0	69.0	76.9	84.8	92.8	100.7
3.38	64	16.041	216	54.139	. . .	. . .	. . .	. . .	. . .	. . .	38.8	47.3	55.7	64.0	72.2
3.43	56	14.036	192	48.123	. . .	. . .	. . .	. . .	. . .	38.0	46.4	54.8	63.0	71.1	79.2
3.50	48	12.031	168	42.108	. . .	. . .	. . .	. . .	37.1	45.5	53.7	61.9	70.0	78.0	86.0
Belt Length Factor —>					0.8	0.9	0.95		1.0		1.05			1.1	

NOTES: All 20MM HTD Drives operating above 1000 RPM may require a sound dampening guard.
Belt lengths of 5200, 5600, 6000, and 6400 are also available. Interpolate center distance.

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20MM Ratio/Center Distance Tables

Drive Ratio	Sprocket Combination				Nominal Center Distance										
	Driver		Driven		Belt Length Code Designation										
	No. Of Teeth	Pitch Dia.	No. Of Teeth	Pitch Dia.	2000	2500	3400	3800	4200	4600	5000	5400	5800	6200	6600
Belt Length Factor —>					**0.8**	**0.9**	**0.95**		**1.0**		**1.05**		**1.1**		
3.60	40	10.026	144	36.092	. . .	. . .	27.7	36.2	44.5	52.6	60.7	68.8	76.8	84.8	92.7
3.60	60	15.038	216	54.139	. . .	. . .	. . .	. . .	. . .	. . .	39.4	48.0	56.4	64.7	72.9
3.69	52	13.033	192	48.123	. . .	. . .	. . .	. . .	. . .	38.6	47.1	55.4	63.6	71.8	79.9
3.79	38	9.524	144	36.092	. . .	. . .	28.0	36.5	44.8	53.0	61.1	69.1	77.1	85.1	93.1
3.82	44	11.028	168	42.108	. . .	. . .	. . .	29.1	37.8	46.1	54.4	62.6	70.6	78.7	86.7
3.86	56	14.036	216	54.139	. . .	. . .	. . .	. . .	. . .	. . .	40.0	48.6	57.0	65.3	73.5
4.00	36	9.023	144	36.092	. . .	. . .	28.3	36.9	45.1	53.3	61.4	69.5	77.5	85.5	93.4
4.00	48	12.031	192	48.123	. . .	. . .	. . .	. . .	. . .	39.2	47.7	56.1	64.3	72.5	80.6
4.15	52	13.033	216	54.139	. . .	. . .	. . .	. . .	. . .	. . .	40.7	49.3	57.7	66.0	74.2
4.20	40	10.026	168	42.108	. . .	. . .	. . .	29.7	38.4	46.8	55.1	63.2	71.3	79.4	87.4
4.24	34	8.522	144	36.092	. . .	. . .	28.7	37.2	45.5	53.7	61.8	69.8	77.8	85.8	93.8
4.36	44	11.028	192	48.123	. . .	. . .	. . .	. . .	. . .	39.9	48.4	56.7	65.0	73.1	81.2
4.42	38	9.524	168	42.108	. . .	. . .	. . .	30.1	38.7	47.1	55.4	63.6	71.7	79.7	87.8
4.50	48	12.031	216	54.139	. . .	. . .	. . .	. . .	. . .	. . .	41.3	49.9	58.3	66.7	74.9
4.67	36	9.023	168	42.108	. . .	. . .	. . .	30.4	39.0	47.5	55.7	63.9	72.0	80.1	88.1
4.80	40	10.026	192	48.123	. . .	. . .	. . .	. . .	31.7	40.5	49.0	57.4	65.6	73.8	81.9
4.91	44	11.028	216	54.139	. . .	. . .	. . .	. . .	. . .	. . .	41.9	50.6	59.0	67.3	75.6
4.94	34	8.522	168	4.108	. . .	. . .	. . .	30.7	39.4	47.8	56.1	64.2	72.4	80.4	88.5
5.05	38	9.524	192	48.123	. . .	. . .	. . .	. . .	32.0	40.8	49.4	57.7	66.0	74.2	82.3
5.33	36	9.023	192	48.123	. . .	. . .	. . .	. . .	32.3	41.1	49.7	58.0	66.3	74.5	82.6
5.40	40	10.026	216	54.139	. . .	. . .	. . .	. . .	. . .	. . .	42.5	51.2	59.6	68.0	76.2
5.65	34	8.522	192	48.123	. . .	. . .	. . .	. . .	32.6	41.4	50.0	58.4	66.6	74.8	83.0
5.68	38	9.524	216	54.139	. . .	. . .	. . .	. . .	. . .	33.9	42.9	51.5	60.0	68.3	76.6
6.00	36	9.023	216	54.139	. . .	. . .	. . .	. . .	. . .	34.2	43.2	51.8	60.3	68.6	76.9
6.35	34	8.522	216	54.139	. . .	. . .	. . .	. . .	. . .	34.5	43.5	52.1	60.6	69.0	77.2
Belt Length Factor —>					**0.8**	**0.9**	**0.95**		**1.0**		**1.05**		**1.1**		

NOTES: All 20MM HTD Drives operating above 1000 RPM may require a sound dampening guard.
Belt lengths of 5200, 5600, 6000, and 6400 are also available. Interpolate center distance.

V-Drives
FHP Drives
Drive Component Accessories
DYNA-SYNC
HT200/HTD Synchronous Drives
HT500 Synchronous Drives
Roller Chain Sprockets

Overhung Load Calculations

Overhung load is an important consideration for drive design. Motor and reducer bearings are rated for specific load capacities to achieve calculated life. If the drive design is such that bearing loads are exceeded, life will be proportionally reduced. Likewise, if the drive exerts a lesser load on the bearings, life will be extended. Needless to say, drive design that keeps bearing loads below ratings can pay big dividends.

BELT PULL: The basis for overhung load calculation is belt pull. Belt pull is the result of torque being transmitted when the belt exerts a pull on the sprocket diameter.

EXAMPLE: 5 horsepower at 200 RPM is 1,575 inch- pounds of torque. If a 6 inch diameter sprocket is used, (3 inch radius), 1,575/3 = 525 pounds effective belt pull is required. Note that if a larger diameter sprocket is used, belt pull is reduced accordingly.

Belt pull can be calculated using the following formula:

$$\text{Belt Pull (lbs)} = \frac{126{,}000 \times \text{DHP} \times \text{F}}{\text{RPM} \times \text{PD}}$$

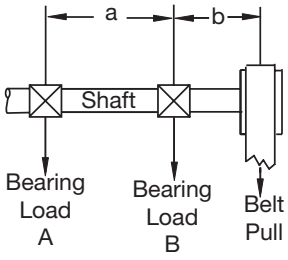
Where: DHP = Design Horsepower

F = Drive Factor (1.3 for sync. belt)

RPM = Shaft RPM

PD = Pitch Diameter of Sprocket

BEARING LOAD: Belt pull translates into bearing load and is greatly affected by the location of the sprocket on the shaft. Fig. 1 shows an example of what happens as the distance between the centerline of belt pull and the adjacent bearing is extended.



Overhung Sheave

$$\text{Load at B, lbs.} = \frac{\text{Belt Pull} \times (a + b)}{a}$$

Fig. 1

a	b	Belt Pull	Bearing Load "B"
10 in.	1 in.	500 lbs.	550 lbs.
10 in.	5 in.	500 lbs.	750 lbs.

Now consider the same situation for a motor or gearbox.

Referring to Fig. 2, it should be obvious that the HT/HTD sprocket should be mounted as close as possible to the face of the gearbox.

As the distance between the gearbox face and HT/HTD sprocket increases, the bearing load is also increased, which leads to a reduction in bearing life.

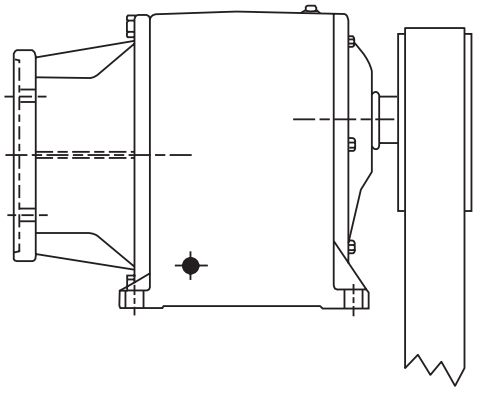


Fig. 2

Another warning from gearbox manufacturers is that the centerline of belt pull should not extend beyond the end of the shaft. Given a choice of a small diameter, wide face-width drive design, or a larger diameter, narrower face-width alternative, the latter would be preferable if bearing life is an important consideration.

DRIVE DESIGN CONSIDERATIONS

For any given application, there are usually several possible drive alternatives. In some cases, the selection with the smallest diameter sprockets might be the least expensive. As can be seen from the previous discussion, this alternative could be a bad choice. Smaller diameter sprockets lead to higher belt pull; their greater width is also more sensitive to misalignment.

HT/HTD Drive Installation

SPROCKET INSTALLATION

1. Thoroughly inspect the bore of the sprocket and the tapered surface of the bushing. Any paint, dirt, oil or grease must be removed.
2. Assemble bushing into sprocket. Loosely insert the screws into assembly. At least one sprocket must have flanges.
3. With key in keyseat of shaft, slide sprocket to its desired position with screw heads to the outside. If it is hard to slide the bushing onto the shaft, check shaft for burrs, etc.
4. Line up assembly so as not to misalign belts and tighten screws evenly and progressively. Apply the recommended torque to screws.

SPROCKET ALIGNMENT

HT/HTD sprocket alignment and parallelism of the shafts are very important. Proper alignment helps to equalize the load across the entire belt width, thereby reducing wear and extending belt life.

Place a straightedge against the outside edge of the sprockets and move sprockets until the straightedge touches the two outside and two inside edges of the sprockets. The straightedge should cross the sprockets as close to the shafts as possible. A string can be used if a straightedge is not available. Remember the string should contact at four points as explained above. (See illustration on page PT11-66.

After aligning the sprockets, check the rigidity of the supporting framework. Shafts should be well supported to prevent distortion and a resulting change in the center distance under load. Do not use spring-loaded or weighted idlers. Idler sprockets or pulleys must be locked into position after adjusting belt tension.

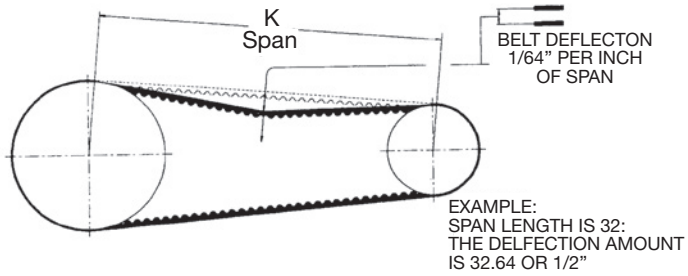
BELT INSTALLATION & TENSIONING

Do not pry or otherwise force the belt onto the sprockets, as this can result in permanent damage to the belt. Reduce the center distance between the pulleys so that the belt can be easily installed.

HT 200 drives must be properly tensioned. If the belt is too loose, it may jump teeth when heavier loads are applied. If the belt is too tight, belt life will suffer, and bearings will be unnecessarily overloaded. Improper tension can result in excessive drive noise.

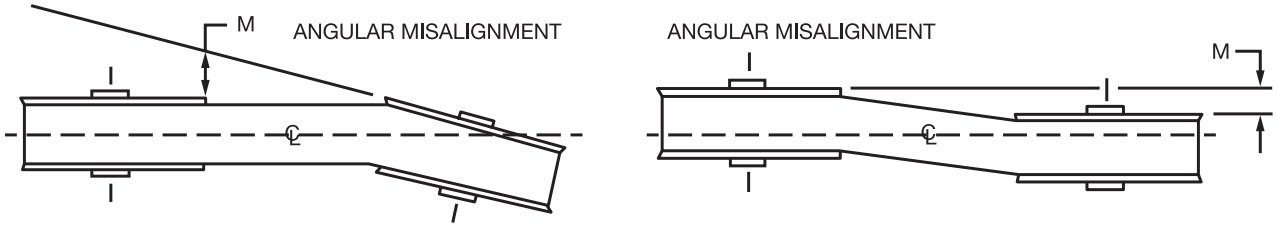
Tensioning procedure: First, measure the span length and calculate the deflection distance of 1/64, per inch span (see illustration).

Use the formula method on page PT11-66 to calculate recommended deflection forces.



Apply a force (from the table) at the center of the span. Measure the deflection with this force applied. Move the center distance until the proper deflection is obtained.

Drive Alignment



Good tracking of synchronous belts on their sprockets depends upon alignment to within 1/4 degree. This translates to a maximum "M" dimension of 0.05" per foot center distance.

Drive Tensioning

Formula Method

The formula method for determining belt tension may be used for greater accuracy, or for applications that fall out of guidelines given for the Simplified Method on page PT11-65.

Step 1. Calculate Min. Installation Tension:

Formula 1: $$T = \frac{20\,(HP)}{V} + mV^2$$

Where: HP = Horsepower

$$V = \frac{\text{Belt Velocity (in FPM)}}{1000}$$

m = Value in Table 1

Belt Velocity = PD x RPM x .262
(PD = Pitch Dia. in inches)

***Important!** If formula calculation for "T" is less than "Min T. Value" (Table 1) use the "Min T. Value" for T. Always use the greater T value: i.e. from T Formula 1 or Table 1.

Step 2. Calculate Deflection Forces:

Formula 2: **Min Force =** $$\frac{1.0T + (K/L)Y}{16}$$ **(lbs)**

Formula 3: **Max Force =** $$\frac{1.1T + (K/L)Y}{16}$$ **(lbs)**

Note: For used belt, use 0.7T to 0.8T instead of the 1.0T and 1.1T for new belts.

T = Static tension, lbs
K = Span length, inches
L = Belt length, inches
Y = Factor from Table 1

Step 3. Adjust tension per Simplified Method Procedure on page PT11-65 using deflection forces from Step 2.

Table 1

Belt		Factors		Min. T
Pitch	Width	m	Y	Value*
5MM	15MM	0.28	24.9	14.1
5MM	25MM	0.47	41.5	23.4
8MM	20MM	0.58	34.2	18.5
8MM	30MM	0.88	51.3	30.0
8MM	50MM	1.46	85.5	52.0
8MM	85MM	2.45	145.3	94.5
14MM	40MM	1.78	93.0	76.5
14MM	55MM	2.44	127.9	120.0
14MM	85MM	3.77	197.7	205.5
14MM	115MM	5.11	267.5	291.0
14MM	170MM	7.55	395.4	447.0
20MM	115MM	7.24	367.0	391.5
20MM	170MM	10.71	542.5	603.0
20MM	230MM	14.49	734.0	834.0
20MM	290MM	18.27	925.4	1065.0
20MM	340MM	21.42	1085.0	1257.5

DODGE Software

Computer Selection of DODGE Synchronous Belt Drives

VIA-SYNC®

Synchronous Belt Drive Selection

For any given synchronous drive application, there may be several DODGE HT/HTD* or DODGE DYNA-SYNC® product combinations that could satisfy the requirements. Finding the best drive can be a time-consuming and frustrating task.

The DODGE VIA-SYNC program provides selections for DYNA-SYNC (timing) and HT/HTD drives and includes both TAPER-LOCK® and QD* type sprockets. All relevant data for up to ten alternative drive selections is presented in a format that allows quick and accurate analysis, whether based upon lowest price, minimum bearing load, highest service factor, etc.

VIA-SYNC calculates speed up drives or drives for nonstandard motor speeds. The most appropriate selection can then be specified using the computer printout, which contains sprocket, bushing and belt sizes and part numbers.

VIA-SYNC has the capability of sharing data with DODGE T-A DISCovery™ or DODGE SCD DISCovery™ programs.

DRIVE TROUBLESHOOTING

Problem	Cause	Remedy
Unusual Noise	Misaligned drive	Re-adjust alignment
	Hi or Low belt tension	Adjust to recommended value
	Backside idler	Use inside idler
	Worn sprocket	Replace sprocket
	Bent sprocket flange	Replace or repair
	Excessive belt speed	Redesign drive
	Incorrect belt profile	Replace with DODGE belt
	Subminimal spkt. dia.	Redesign with lager spkts.
	Excessive load	Use higher capacity drive
	Weak mntg. structure	
Loss of Belt Tension	Weak mntg. structure	Reinforce mounting structure
	Excessive spkt. wear	Use wear-resistant sprockets
	Fixed center drive	Install inside idler
	Excessive debris	Install adequate drive guard.
	Excessive load	Use higher capacity drive
	Subminimal spkt. dia.	Redesign drive
	Drive running hot	Use heat fingers on hot shaft
	Belt degradation	Protect from excessive heat
Belt Edge Wear	Damaged flanges	Repair or replace sprocket
	Low belt tension	Adjust to recommended value
	Poor tracking	Correct alignment
	Guard interference	Remove obstruction, add idler
Pre-mature Tooth Wear	Improper tension	Correct drive tension
	Poor alignment	Correct drive alignment
	Wrong belt type	Use correct DODGE belt
	Worn sprocket	Replace
	Damaged sprocket	Replace
	Excessive load	Use higher capacity drive
	Dirt or debris	Install adequate drive guard
	Sprocket wobble	Correct bushing installation

Problem	Cause	Remedy
Tooth Shear	Shock loads	Use higher capacity drive
	Few teeth in mesh	Redesign drive
	Worn sprocket	Replace
	Backside idler	Use inside idler
	Wrong belt profile	Use correct DODGE belt
	Low belt tension	Adjust to recommended value
Tensile Break	Shock load	Use higher capacity drive
	Subminimal spkt. dia.	Redesign with larger spkts.
	Debris in drive	Install adequate drive guard
	Improper belt handling, storage	Do not crimp belt or subject it to sharp bends
Belt Cracking	Subminimal spkt. dia.	Redesign with larger spkts.
	Backside idler	Install inside idler
	Start-up temp below 180 degrees F	Preheat drive before start-up
	Extended exposure to harsh chemicals	Protect drive
Bearing Failure	Excessive belt tension	Adjust to recommended value
	Drive misalignment	Re-adjust alignment
	Subminimal spkt. dia.	Redesign with larger spkts.
Vibration	Wrong belt profile	Install correct DODGE belt
	Hi or Low belt tension	Adjust to recommended value Install
	Loose key or bushing	per instructions
	Loose mounting structure	Reinforce or tighten
Belt not Tracking	Misalignment	Re-adjust alignment
	Long center distance	Carefully adjust alignment
	Mtg. structure bending	Reinforce mounting structure

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FEATURES / BENEFITS

HT500 Drives - The TCO Drive Solution: Energy Efficient - Maintenance Free

HT500 high torque synchronous drive system is the latest generation in the Dodge synchronous product line. The HT500 belt is manufactured with polyurethane, carbon fiber cords and a black nylon tooth facing, featuring the modified curvilinear tooth profile. This drive system utilizes Dodge's Taper-Lock® bushing system to deliver our most power dense synchronous drive in a compact package. Also available from stock: Fin fan sprockets with QD* bushings, and minimum-plain-bore (MPB) sprockets.

*QD is a registered trademark of Emerson Electric

Value added Features

- Virtually maintenance free
- Requires no oil or grease to run slip free
- No need to re-tension the belts
- Compact maintenance free design
- Modified curvilinear tooth profile
- Positive tooth engagement eliminating slippage and speed variation on high torque application
- Low installation tension reducing loads on other power transmission components (i.e., bearings, gearing, motors, etc.)
- Delivers power up to speeds of 10,000 FPM (Standard hardware is rated for 6,500 FPM). Contact Dodge if speeds greater than 6500 FPM are required.
- Higher power ratings than comparable timing belts, making HT500 suited to replace chain drives
- Wide range of stock parts available

Dodge HT500 Belts utilize materials that achieve the highest standard of quality and performance in the industry allowing the superior torque capacity needed for high performance

- Belt backing is polyurethane designed for maximum resistance to environmental conditions, oil, grease, and high temperatures
- The belt's carbon fiber cords provide superior tension and torque transmission preventing belt shrinkage and stretch
- Belt's construction helps reduce the belt installation tension increasing the life of the other mechanical components
- Belt's teeth are enclosed in a black nylon tooth face delivering resistance to abrasion and tooth's shear, increasing drive efficiency, belt and sprocket's life, and reducing noise
- Idlers can be used on the backside and front-side of the belt
- With our TAPER-LOCK® bushing installation an easy on, easy off process is assured

What does the Sprocket bring to the Dodge Synchronous Drive System?

Synchronous belt drives run slip-free and are proven to be more efficient and provide better performance than v-belt drives. They also offer significant performance advantages over chain drives related to wear and elongation resistance, they require no lubrication and have broad applicability. It is not necessary to retension synchronous drives – a significant advantage over alternative drive solutions. HT500 synchronous drives can also operate in wet and oily environments.

Dodge HT500 synchronous sprockets are manufactured in North America with the highest quality standards.

Our design advantages:

- Positions belt center line closer to motor, reducer, and bearings reducing belt pull while potentially increasing the L10 life of bearings.
- Requires less shaft length than QD style products
- Offers more bore sizes per bushing size than QD style products
- Delivers more torque than QD style products
- Has no protruding flanges or bolt heads

The HT500 synchronous drive system has the potential to improve your overall power transmission package by increasing efficiency, lowering your maintenance cost, downtime, and belt pull to increase the L10 life of bearings.

Our high torque HT500 synchronous drive product is Baldor's commitment to your success by providing you energy savings and overall cost reduction. Another TCO solution for the marketplace!

DODGE

Energy Efficient, High Torque Belt Drive System

The US Department of Energy encourages the use of synchronous belts in all motor installations to maintain an overall efficiency rating of 98% across a wide load range. The HT500 Synchronous Belt is designed to offer the energy efficiency of a synchronous belt drive in a compact design.

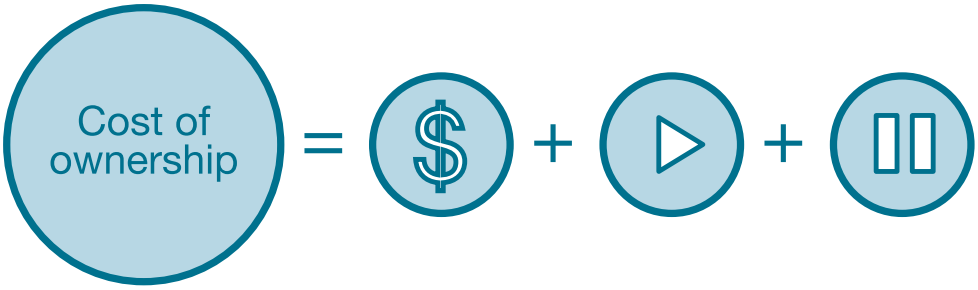
HT500 75HP Drive Example
Energy Savings = Annual Energy Use x (1 – n1/n2)

Mechanical Drive Comparison			
Application Data		**V-Belt Drive**	**HT500 Drive**
Motor HP	75	Efficiency 93%	Efficiency 98%
RPM	1800	Status: Current	Status: New
Nameplate Efficiency	95.4	264,920 kWh/yr x .93 = 246,376 kWh/yr	264,920 kWh/yr x .98 = 259,622 kWh/yr
Motor Load	75%		
Estimated kW/hr rate	$0.10	264,920 - 246,376 kWh/yr = 18,544 kWh/yr or 7%	264,920 - 259,622 kWh/yr = 5,298 kWh/yr or 2%
Estimated kW/hr use by motor	264,920 kWh/yr		
Duty Cycle	Continuous 6000 hrs x yr (3 shifts)		
Efficiency loss kWh/yr and $USD		18,544 kWh/yr x $0.10 = $1,854.40 USD	5,298 kWh/yr x $0.10 = $529.80 USD
Kilowatt hour potential savings when Using HT500 Synchronous Drive System		**Energy Savings = 264,920 kWh/yr x (1 – 93/98) = 13,516 kWh/yr 13,516 kWh/yr x $0.10**	
Potential Energy Saving gain from using HT500 Synchronous Drive System		**$1,352.00 USD**	

Additional Benefits from HT500

- No Maintenance Cost
- Zero slip
- Constant time, speed
- Positive engagement
- Less downtime

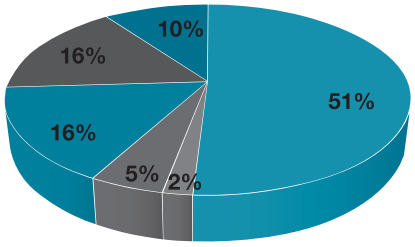
Our Value added solution will not only save you time and money short term, but many years thereafter



FEATURES / BENEFITS

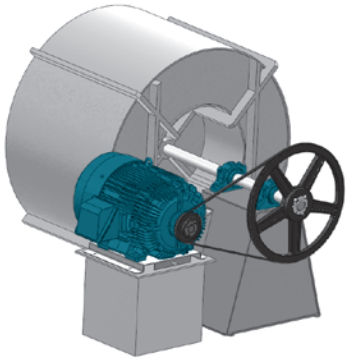
Energy Efficient, High Torque Belt Drive System

The Institute Electrical and Electronics Engineers (IEEE) conducted a survey to identify major causes of motor failures; the chart below is an abstract from their Petro-Chemical paper PCIC-94-01. It concludes that 51% of all motor failure is attributed to bearing problems. By decreasing the belt pull and overall overhung load, a motor bearing will last longer.



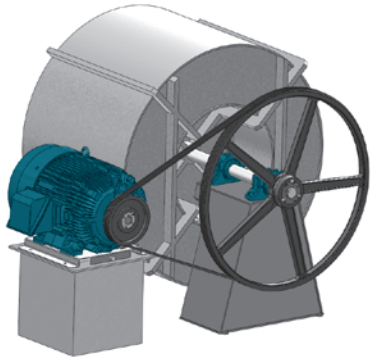
- Bearings
- Shaft Couplings
- Rotor Bar
- Stator Winding
- External - environment, voltage & load. Likely to happen again.
- Unknown - no root failure analysis

HT500 75HP Synchronous Drive vs. V-Belt Drive Comparison



General application specifications

HP:	**75**
Freq:	**60HZ**
Enclosure:	**TEFC**
RPM:	**1800**
Frame:	**365T (NEMA)**
Ratio:	**4:1**



Name	Description	Part Number
Driver Sprocket	14MX-45S-20	482031
Driver Bushing	3020 x 2-3/8-KW	117124
Driven Sprocket	14MX-180S-20	482048
Driven Bushing	3525 x 1-15/16-KW	119709
Belt(s) (QTY:1)	HT500 Belt 3500-14MX-20	142766
Motor	75HP/60HZ/4P/365T Frame	ECP4316T-4
Motor Base	45B type B slide base	122118

HT500 VS V-Belt

Name	Description	Part Number
Driver Sheave	3/5V12.5-3020	111103
Driver Bushing	3020 x 2-3/8-KW	117124
Driven Sheave	3/5V50.0-4040	111014
Driven Bushing	4040 x 1-15/16-KW	117316
Belt(s) (QTY:3)	5VX1800 Belt	107186
Motor	75HP/60HZ/4P/365T Frame	ECP4316T-4
Motor Base	45B type B slide base	122118

Our Total Cost of Ownership Solution!
We want to offer you added value solutions so you can achieve your maximum potential cost savings

- Driver sheave diameter reduced by 38%
- Driven sheave diameter reduced by 37%
- Used 1 belt instead of 3
- Cost Reduction
- Reduced overall drive weight by 51%
- Belt pull reduced by 23% which increases the L10 life of the motor bearing by a factor of 2

HT500 Sprocket & Belt Part Nomenclature

Sprocket Designation

8MX-22S-21 1008

- Sprocket Pitch (8M or 14M)
- Sprocket tooth count
- 21mm width
- 1008 Taper-Lock Bushing

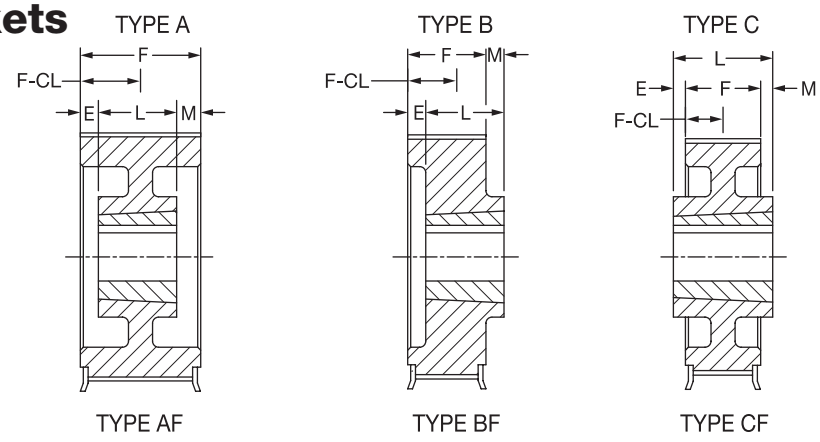
Belt Designation

1610 - 14MX-20

- Belt pitch length of 1610mm
- 14mm Pitch
- 20mm wide

SPECIFICATION

HT500 TAPER-LOCK Sprockets



TYPE AF TYPE BF TYPE CF

1 = Block 2 = Web 3 = Arms

The letter "F" in column "Type" indicates that Sprocket has flanges

8M HT500 Sprocket

Sprocket Number	Part No.	No. Of Teeth	Diameters (In.)			Type	Dimensions (In.)			Bore Sizes		Approx. Weight (Lbs.)	Approx. WR^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	L	M	Min.	Max		
8MX-12						**F = .85"**							
8MX-22S-12-1008	**481875**	22	2.206	2.143	2.606	A1F	0	0.88	0	1/2	1	0.4	0.0020
8MX-25S-12-1108	**481876**	25	2.506	2.443	2.906	A1F	0	0.88	0	1/2	1	0.6	0.0038
8MX-26S-12-1108	**481877**	26	2.607	2.544	2.906	A1F	0	0.88	0	1/2	1 1/8	0.6	0.0045
8MX-27S-12-1108	**481878**	27	2.707	2.644	3.207	A1F	0	0.88	0	1/2	1 1/8	0.7	0.0054
8MX-28S-12-1108	**481879**	28	2.807	2.744	3.207	A1F	0	0.88	0	1/2	1 1/8	0.9	0.0064
8MX-29S-12-1108	**481880**	29	2.907	2.844	3.090	A1F	0	0.88	0	1/2	1 1/8	0.9	0.0075
8MX-30S-12-1108	**481881**	30	3.008	2.945	3.408	A1F	0	0.88	0	1/2	1 1/8	1.0	0.0087
8MX-31S-12-1210	**481882**	31	3.108	3.045	3.328	A1F	0	1.00	0	1/2	1 1/4	1.1	0.0101
8MX-32S-12-1210	**481883**	32	3.208	3.145	3.608	A1F	0	1.00	0	1/2	1 1/4	1.1	0.0117
8MX-33S-12-1610	**481884**	33	3.308	3.245	3.566	A1F	0	1.00	0	1/2	1 11/16	1.1	0.0152
8MX-34S-12-1610	**481885**	34	3.409	3.346	3.810	A1F	0	1.00	0	1/2	1 11/16	1.2	0.0175
8MX-35S-12-1610	**481886**	35	3.509	3.446	3.805	A1F	0	1.00	0	1/2	1 11/16	1.3	0.0200
8MX-36S-12-1610	**481887**	36	3.609	3.546	4.009	A1F	0	1.00	0	1/2	1 11/16	1.4	0.0227
8MX-37S-12-1610	**481888**	37	3.709	3.646	4.044	A1F	0	1.00	0	1/2	1 11/16	1.6	0.0257
8MX-38S-12-1610	**481889**	38	3.810	3.747	4.210	A1F	0	1.00	0	1/2	1 11/16	1.7	0.0290
8MX-39S-12-1610	**481890**	39	3.910	3.847	4.410	A1F	0	1.00	0	1/2	1 11/16	1.9	0.0326
8MX-40S-12-2012	**481891**	40	4.010	3.947	4.410	B1F	0	1.25	0,40	1/2	2 1/8	1.9	0.0413
8MX-41S-12-2012	**481892**	41	4.110	4.047	4.520	B1F	0	1.25	0,40	1/2	2 1/8	2.1	0.0462
8MX-42S-12-2012	**481893**	42	4.211	4.148	4.911	B1F	0	1.25	0,40	1/2	2 1/8	2.2	0.0515
8MX-45S-12-2012	**481894**	45	4.511	4.448	4.911	B1F	0	1.25	0,40	1/2	2 1/8	2.5	0.0702
8MX-48S-12-2012	**481895**	48	4.812	4.749	5.212	B1F	0	1.25	0,40	1/2	2 1/8	2.7	0.0936
8MX-50S-12-2012	**481896**	50	5.013	4.950	5.413	B1F	0	1.25	0,40	1/2	2 1/8	3.1	0.1120
8MX-53S-12-2012	**481897**	53	5.314	5.251	5.500	B1F	0	1.25	0,40	1/2	2 1/8	3.8	0.1447
8MX-56S-12-2012	**481898**	56	5.614	5.551	6.014	B1F	0	1.25	0,40	1/2	2 1/8	5.4	0.1839
8MX-60S-12-2012	**481899**	60	6.015	5.952	6.415	B1F	0	1.25	0,40	1/2	2 1/8	5.5	0.2480
8MX-63S-12-2012	**481900**	63	6.316	6.253	6.716	B2F	0	1.25	0,40	1/2	2 1/8	5.5	0.1409
8MX-67S-12-2012	**481901**	67	6.717	6.654	6.875	B2F	0	1.25	0,40	1/2	2 1/8	6.0	0.1798
8MX-71S-12-2012	**481902**	71	7.118	7.055	7.500	B2F	0	1.25	0,40	1/2	2 1/8	6.5	0.2263
8MX-75S-12-2012	**481903**	75	7.519	7.456	7.919	B2F	0	1.25	0,40	1/2	2 1/8	7.0	0.2814
8MX-80S-12-2012	**481904**	80	8.020	7.957	8.420	B2F	0	1.25	0,40	1/2	2 1/8	9.6	0.3640
8MX-90S-12-2012	**481905**	90	9.023	8.960	- - -	B2	0	1.25	0,40	1/2	2 1/8	9.4	0.5823
8MX-112S-12-2012	**481906**	112	11.229	11.166	- - -	B2	0	1.25	0,40	1/2	2 1/8	16.6	1.3980
8MX-140S-12-2012	**481907**	140	14.036	13.973	- - -	B3	0	1.25	0,40	1/2	2 1/8	17.3	1.1757
8MX-180S-12-2517	**481908**	180	18.046	17.983	- - -	B3	0	1.75	0,90	1/2	2 11/16	30.0	2.8678
8MX-224S-12-2517	**481909**	224	22.457	22.394	- - -	B3	0	1.75	0,90	1/2	2 11/16	41.2	6.2533

HT500 TAPER-LOCK Sprockets (Continued)

8M HT500 Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters (In.)			Type	Dimensions (In.)			Bore Sizes		Approx. Weight (Lbs.)	Approx. WR^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	L	M	Min.	Max		
8MX-21						**F = 1.20"**							
8MX-22S-21-1008	**481915**	22	2.206	2.143	2.606	A1F	0	0.88	0.32	1/2	1	0.4	0.0025
8MX-25S-21-1108	**481916**	25	2.506	2.443	2.906	A1F	0	0.88	0.32	1/2	1 1/8	0.6	0.0046
8MX-26S-21-1108	**481917**	26	2.607	2.544	2.906	A1F	0	0.88	0.32	1/2	1 1/8	0.6	0.0055
8MX-27S-21-1108	**481918**	27	2.707	2.644	3.207	A1F	0	0.88	0.32	1/2	1 1/8	0.7	0.0065
8MX-28S-21-1108	**481919**	28	2.807	2.744	3.207	A1F	0	0.88	0.32	1/2	1 1/8	0.9	0.0076
8MX-29S-21-1108	**481920**	29	2.907	2.844	3.090	A1F	0	0.88	0.32	1/2	1 1/8	1.0	0.0089
8MX-30S-21-1108	**481921**	30	3.008	2.945	3.408	A1F	0	0.88	0.32	1/2	1 1/8	1.1	0.0104
8MX-31S-21-1210	**481922**	31	3.108	3.045	3.328	A1F	0	1.00	0.20	1/2	1 1/4	1.3	0.0120
8MX-32S-21-1210	**481923**	32	3.208	3.145	3.608	A1F	0	1.00	0.20	1/2	1 1/4	1.4	0.0137
8MX-33S-21-1610	**481924**	33	3.308	3.245	3.566	A1F	0	1.00	0.20	1/2	1 11/16	1.5	0.0173
8MX-34S-21-1610	**481925**	34	3.409	3.346	3.810	A1F	0	1.00	0.20	1/2	1 11/16	1.6	0.0198
8MX-35S-21-1610	**481926**	35	3.509	3.446	3.805	A1F	0	1.00	0.20	1/2	1 11/16	1.6	0.0226
8MX-36S-21-1610	**481927**	36	3.609	3.546	4.009	A1F	0	1.00	0.20	1/2	1 11/16	1.8	0.0256
8MX-37S-21-1610	**481928**	37	3.709	3.646	4.044	A1F	0	1.00	0.20	1/2	1 11/16	1.8	0.0289
8MX-38S-21-1610	**481929**	38	3.810	3.747	4.210	A1F	0	1.00	0.20	1/2	1 11/16	1.9	0.0325
8MX-39S-21-1610	**481930**	39	3.910	3.847	4.410	A1F	0	1.00	0.20	1/2	1 11/16	1.9	0.0364
8MX-40S-21-2012	**481931**	40	4.010	3.947	4.410	A1F	0	1.25	0	1/2	2 1/8	2.3	0.0450
8MX-41S-21-2012	**481932**	41	4.110	4.047	4.520	A1F	0	1.25	0	1/2	2 1/8	2.3	0.0502
8MX-42S-21-2012	**481933**	42	4.211	4.148	4.911	A1F	0	1.25	0	1/2	2 1/8	2.5	0.0559
8MX-45S-21-2012	**481934**	45	4.511	4.448	4.911	A1F	0	1.25	0	1/2	2 1/8	2.9	0.0758
8MX-48S-21-2012	**481935**	48	4.812	4.749	5.212	A1F	0	1.25	0	1/2	2 1/8	3.4	0.1006
8MX-50S-21-2012	**481936**	50	5.013	4.950	5.413	A1F	0	1.25	0	1/2	2 1/8	4.0	0.1201
8MX-53S-21-2012	**481937**	53	5.314	5.251	5.500	A1F	0	1.25	0	1/2	2 1/8	4.5	0.1545
8MX-56S-21-2012	**481938**	56	5.614	5.551	6.014	A1F	0	1.25	0	1/2	2 1/8	4.9	0.1958
8MX-60S-21-2012	**481939**	60	6.015	5.952	6.415	A1F	0	1.25	0	1/2	2 1/8	6.4	0.2631
8MX-63S-21-2012	**481940**	63	6.316	6.253	6.716	B2F	0	1.25	0.05	1/2	2 1/8	7.7	0.1706
8MX-67S-21-2517	**481941**	67	6.717	6.654	6.875	B2F	0	1.75	0.55	1/2	2 11/16	8.3	0.2195
8MX-71S-21-2517	**481942**	71	7.118	7.055	7.500	B2F	0	1.75	0.55	1/2	2 11/16	8.7	0.2735
8MX-75S-21-2517	**481943**	75	7.519	7.456	7.919	B2F	0	1.75	0.55	1/2	2 11/16	9.2	0.3372
8MX-80S-21-2517	**481944**	80	8.020	7.957	8.420	B2F	0	1.75	0.55	1/2	2 11/16	9.8	0.4319
8MX-90S-21-2517	**481945**	90	9.023	8.960	- - -	B2	0	1.75	0.55	1/2	2 11/16	12.8	0.6794
8MX-112S-21-2517	**481946**	112	11.229	11.166	- - -	B2	0	1.75	0.55	1/2	2 11/16	19.4	1.5916
8MX-140S-21-2517	**481947**	140	14.036	13.973	- - -	B3	0	1.75	0.55	1/2	2 11/16	26.8	1.8107
8MX-180S-21-3020	**481948**	180	18.046	17.983	- - -	B3	0	2.00	0.80	7/8	3 1/4	36.6	4.4030
8MX-224S-21-3020	**481949**	224	22.457	22.394	- - -	B3	0	2.00	0.80	7/8	3 1/4	50.1	9.5391
8MX-36						**F = 1.86"**							
8MX-32S-36-1210	**481958**	32	3.208	3.145	3.608	A1F	0	1.00	0.86	1/2	1 1/4	1.7	0.0188
8MX-33S-36-1610	**481959**	33	3.308	3.245	3.566	A1F	0	1.00	0.86	1/2	1 11/16	1.7	0.0223
8MX-34S-36-1610	**481960**	34	3.409	3.346	3.810	A1F	0	1.00	0.86	1/2	1 11/16	1.8	0.0254
8MX-35S-36-1610	**481961**	35	3.509	3.446	3.805	A1F	0	1.00	0.86	1/2	1 11/16	1.8	0.0288
8MX-36S-36-1610	**481962**	36	3.609	3.546	4.009	A1F	0	1.00	0.86	1/2	1 11/16	2.1	0.0324
8MX-37S-36-1610	**481963**	37	3.709	3.646	4.044	A1F	0	1.00	0.86	1/2	1 11/16	2.1	0.0364
8MX-38S-36-1610	**481964**	38	3.810	3.747	4.210	A1F	0	1.00	0.86	1/2	1 11/16	2.4	0.0408
8MX-39S-36-1610	**481965**	39	3.910	3.847	4.410	A1F	0	1.00	0.86	1/2	1 11/16	2.4	0.0455
8MX-40S-36-2012	**481966**	40	4.010	3.947	4.410	A1F	0	1.25	0.61	1/2	2 1/8	2.5	0.0547
8MX-41S-36-2012	**481967**	41	4.110	4.047	4.520	A1F	0	1.25	0.61	1/2	2 1/8	2.8	0.0608
8MX-42S-36-2012	**481968**	42	4.211	4.148	4.911	A1F	0	1.25	0.61	1/2	2 1/8	3.3	0.0675
8MX-45S-36-2012	**481969**	45	4.511	4.448	4.911	A1F	0	1.25	0.61	1/2	2 1/8	3.4	0.0905
8MX-48S-36-2012	**481970**	48	4.812	4.749	5.212	A1F	0	1.25	0.61	1/2	2 1/8	5.1	0.1190

SPECIFICATION

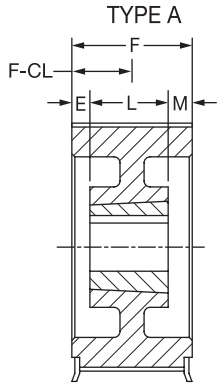
HT500 TAPER-LOCK Sprockets (Continued)

8M HT500 Sprockets

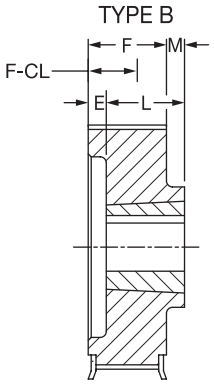
Sprocket Number	Part No.	No. Of Teeth	Diameters (In.)			Type	Dimensions (In.)			Bore Sizes		Approx. Weight (Lbs.)	Approx. WR^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	L	M	Min.	Max		
8MX-36					**F = 1.86"**								
8MX-50S-36-2012	**481971**	50	5.013	4.950	5.413	A1F	0	1.25	0.61	1/2	2 1/8	5.1	0.1413
8MX-53S-36-2012	**481972**	53	5.314	5.251	5.500	A1F	0	1.25	0.61	1/2	2 1/8	6.0	0.1804
8MX-56S-36-2012	**481973**	56	5.614	5.551	6.014	A1F	0	1.25	0.61	1/2	2 1/8	6.6	0.2271
8MX-60S-36-2517	**481974**	60	6.015	5.952	6.415	A1F	0	1.75	0.11	1/2	2 11/16	8.0	0.3018
8MX-63S-36-2517	**481975**	63	6.316	6.253	6.716	A1F	0	1.75	0.11	1/2	2 11/16	9.3	0.3698
8MX-67S-36-2517	**481976**	67	6.717	6.654	6.875	A2F	0	1.75	0.11	1/2	2 11/16	10.0	0.2896
8MX-71S-36-2517	**481977**	71	7.118	7.055	7.500	A2F	0	1.75	0.11	1/2	2 11/16	12.0	0.3579
8MX-75S-36-2517	**481978**	75	7.519	7.456	7.919	A2F	0	1.75	0.11	1/2	2 11/16	13.3	0.4378
8MX-80S-36-3020	**481979**	80	8.020	7.957	8.420	B2F	0	2.00	0.14	7/8	3 1/4	15.3	0.5851
8MX-90S-36-3020	**481980**	90	9.023	8.960	- - -	B2	0	2.00	0.14	7/8	3 1/4	20.9	0.8894
8MX-112S-36-3020	**481981**	112	11.229	11.166	- - -	B2	0	2.00	0.14	7/8	3 1/4	29.7	1.9883
8MX-140S-36-3020	**481982**	140	14.036	13.973	- - -	B3	0	2.00	0.14	7/8	3 1/4	39.3	2.8686
8MX-180S-36-3020	**481983**	180	18.046	17.983	- - -	B3	0	2.00	0.14	7/8	3 1/4	48.9	6.9025
8MX-224S-36-3525	**481984**	224	22.457	22.394	- - -	B3	0	2.25	0.64	1 3/16	3 15/16	92.2	14.9010
8MX-62					**F = 2.91"**								
8MX-34S-62-1610	**481996**	34	3.409	3.346	3.810	A1F	0	1.00	1.91	1/2	1 11/16	5.0	0.0380
8MX-36S-62-1610	**481997**	36	3.609	3.546	4.009	A1F	0	1.00	1.91	1/2	1 11/16	5.3	0.0484
8MX-38S-62-1610	**481998**	38	3.812	3.747	4.210	A1F	0	1.00	1.91	1/2	1 11/16	5.6	0.0607
8MX-40S-62-2012	**481999**	40	4.010	3.947	4.410	A1F	0	1.25	1.66	1/2	2 1/8	5.9	0.0749
8MX-42S-62-2012	**482000**	42	4.211	4.148	4.911	A1F	0	1.25	1.66	1/2	2 1/8	6.1	0.0919
8MX-45S-62-2012	**482001**	45	4.511	4.448	4.911	A1F	0	1.25	1.66	1/2	2 1/8	6.5	0.1226
8MX-48S-62-2517	**482002**	48	4.812	4.749	5.212	A1F	0	1.75	1.16	1/2	2 11/16	6.6	0.1594
8MX-50S-62-2517	**482003**	50	5.013	4.950	5.413	A1F	0	1.75	1.16	1/2	2 11/16	6.7	0.1891
8MX-53S-62-2517	**482004**	53	5.314	5.251	5.500	A1F	0	1.75	1.16	1/2	2 11/16	6.9	0.2412
8MX-56S-62-2517	**482005**	56	5.614	5.551	6.014	A1F	0	1.75	1.16	1/2	2 11/16	7.2	0.3034
8MX-60S-62-3020	**482006**	60	6.015	5.952	6.415	A1F	0	2.00	0.91	7/8	3 1/4	8.9	0.4298
8MX-63S-62-3020	**482007**	63	6.316	6.253	6.716	A1F	0	2.00	0.91	7/8	3 1/4	10.3	0.5261
8MX-67S-62-3020	**482008**	67	6.717	6.654	6.875	A1F	0	2.00	0.91	7/8	3 1/4	11.0	0.6781
8MX-71S-62-3020	**482009**	71	7.118	7.055	7.500	A1F	0	2.00	0.91	7/8	3 1/4	13.5	0.8605
8MX-75S-62-3020	**482010**	75	7.519	7.456	7.919	A1F	0	2.00	0.91	7/8	3 1/4	15.4	1.0770
8MX-80S-62-3020	**482011**	80	8.020	7.957	8.420	A1F	0	2.00	0.91	7/8	3 1/4	23.0	1.4016
8MX-90S-62-3020	**482012**	90	9.023	8.960	- - -	A2	0	2.00	0.91	7/8	3 1/4	32.7	1.2239
8MX-112S-62-3020	**482013**	112	11.229	11.166	- - -	A2	0	2.00	0.91	7/8	3 1/4	38.9	2.6610
8MX-140S-62-3525	**482014**	140	14.036	13.973	- - -	A2	0	2.25	0.66	1 3/16	3 15/16	54.5	6.0574
8MX-180S-62-3525	**482015**	180	18.046	17.983	- - -	A3	0	2.25	0.66	1 3/16	3 15/16	68.2	10.995
8MX-224S-62-3525	**482016**	224	22.457	22.394	- - -	A3	0	2.25	0.66	1 3/16	3 15/16	92.3	23.619

DODGE

HT500 TAPER-LOCK Sprockets



TYPE AF



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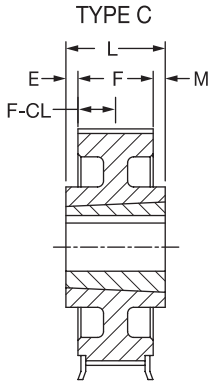


TYPE CF

1 = Block 2 = Web 3 = Arms

14M HT500 Sprockets

The letter "F" in column "Type" indicates that Sprocket has flanges

Sprocket Number	Part No.	No. Of Teeth	Diameters (In.)			Type	Dimensions (In.)			Bore Sizes		Approx. Weight (Lbs.)	Approx. WR^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	L	M	Min.	Max		
14MX-20						**F = 1.36"**							
14MX-28S-20-2012	**482017**	28	4.912	4.802	5.402	A1F	0	1.25	0.11	1/2	2 1/8	3.9	0.0922
14MX-29S-20-2012	**482018**	29	5.088	4.978	5.763	A1F	0	1.25	0.11	1/2	2 1/8	4.5	0.1082
14MX-30S-20-2012	**482019**	30	5.263	5.153	5.763	A1F	0	1.25	0.11	1/2	2 1/8	4.8	0.1261
14MX-31S-20-2012	**482020**	31	5.439	5.329	6.114	A1F	0	1.25	0.11	1/2	2 1/8	5.5	0.1462
14MX-32S-20-2012	**482021**	32	5.614	5.504	6.114	A1F	0	1.25	0.11	1/2	2 1/8	5.9	0.1686
14MX-33S-20-2012	**482022**	33	5.790	5.680	6.465	A1F	0	1.25	0.11	1/2	2 1/8	6.3	0.1934
14MX-34S-20-2012	**482023**	34	5.965	5.855	6.465	A1F	0	1.25	0.11	1/2	2 1/8	6.9	0.2209
14MX-35S-20-2012	**482024**	35	6.141	6.031	6.816	A1F	0	1.25	0.11	1/2	2 1/8	7.3	0.2512
14MX-36S-20-2517	**482025**	36	6.316	6.206	6.816	B1F	0	1.75	0.39	1/2	2 11/16	7.6	0.2836
14MX-37S-20-2517	**482026**	37	6.492	6.382	7.167	B1F	0	1.75	0.39	1/2	2 11/16	8.2	0.3200
14MX-38S-20-2517	**482027**	38	6.667	6.557	7.167	B1F	0	1.75	0.39	1/2	2 11/16	8.8	0.3599
14MX-39S-20-2517	**482028**	39	6.842	6.732	7.518	B1F	0	1.75	0.39	1/2	2 11/16	9.8	0.4033
14MX-40S-20-2517	**482029**	40	7.018	6.908	7.518	B1F	0	1.75	0.39	1/2	2 11/16	10.1	0.4505
14MX-43S-20-2517	**482030**	43	7.544	7.434	8.044	B1F	0	1.75	0.39	1/2	2 11/16	11.7	0.6172
14MX-45S-20-3020	**482031**	45	7.895	7.785	8.395	B1F	0	2.00	0.64	7/8	3 1/4	13.5	0.9146
14MX-48S-20-3020	**482032**	48	8.421	8.311	8.941	B1F	0	2.00	0.64	7/8	3 1/4	16.4	1.2146
14MX-50S-20-3020	**482033**	50	8.772	8.662	9.292	B1F	0	2.00	0.64	7/8	3 1/4	18.2	1.4519
14MX-53S-20-3020	**482034**	53	9.299	9.189	9.688	B1F	0	2.00	0.64	7/8	3 1/4	20.5	1.8705
14MX-56S-20-3525	**482035**	56	9.825	9.715	10.355	B1F	0	2.50	1.14	1 3/16	3 15/16	23.1	2.3648
14MX-60S-20-3525	**482036**	60	10.527	10.417	11.067	B1F	0	2.50	1.14	1 3/16	3 15/16	27.4	3.1852
14MX-63S-20-3525	**482037**	63	11.053	10.943	11.593	B1F	0	2.50	1.14	1 3/16	3 15/16	30.2	3.9274
14MX-67S-20-3525	**482038**	67	11.755	11.645	12.500	B1F	0	2.50	1.14	1 3/16	3 15/16	31.2	5.1094
14MX-71S-20-3525	**482039**	71	12.457	12.347	13.066	B2F	0	2.50	1.14	1 3/16	3 15/16	32.5	2.6422
14MX-75S-20-3525	**482040**	75	13.158	13.048	13.731	B2F	0	2.50	1.14	1 3/16	3 15/16	36.1	3.2558
14MX-80S-20-3525	**482041**	80	14.036	13.926	14.620	B2F	0	2.50	1.14	1 3/16	3 15/16	38.7	4.1694
14MX-90S-20-3525	**482042**	90	15.790	15.680	- - -	B2	0	2.50	1.14	1 3/16	3 15/16	41.3	6.5536
14MX-112S-20-3525	**482043**	112	19.650	19.540	- - -	B3	0	2.50	1.14	1 3/16	3 15/16	59.6	8.7315
14MX-126S-20-3525	**482044**	126	22.106	21.996	- - -	B3	0	2.50	1.14	1 3/16	3 15/16	58.1	13.253
14MX-140S-20-3525	**482045**	140	24.562	24.452	- - -	B3	0	2.50	1.00	1 3/16	3 15/16	94.8	19.265
14MX-154S-20-3525	**482046**	154	27.019	26.909	- - -	B3	0	2.50	1.14	1 3/16	3 15/16	73.4	27.038
14MX-168S-20-3525	**482047**	168	29.475	29.365	- - -	B3	0	2.50	1.00	1 3/16	3 15/16	99.5	36.864
14MX-180S-20-3525	**482048**	180	31.580	31.470	- - -	B3	0	2.50	1.00	1 3/16	3 15/16	107.3	47.142
14MX-200S-20-3525	**482049**	200	35.089	34.979	- - -	B3	0	2.50	1.00	1 3/16	3 15/16	119.0	68.655
14MX-224S-20-4030	**482050**	224	39.300	39.190	- - -	B3	0	3.00	1.50	1 7/16	4 7/16	150.2	102.931
14MX-37						**F = 2.06"**							
14MX-28S-37-2012	**482052**	28	4.912	4.802	5.402	A1F	0	1.25	0.81	1/2	2 1/8	4.2	0.1180
14MX-29S-37-2517	**482053**	29	5.088	4.978	5.763	A1F	0	1.75	0.31	1/2	2 11/16	4.7	0.1367
14MX-30S-37-2517	**482054**	30	5.263	5.153	5.763	A1F	0	1.75	0.31	1/2	2 11/16	5.0	0.1587
14MX-31S-37-2517	**482055**	31	5.439	5.329	6.114	A1F	0	1.75	0.31	1/2	2 11/16	6.0	0.1831
14MX-32S-37-2517	**482056**	32	5.614	5.504	6.114	A1F	0	1.75	0.31	1/2	2 11/16	7.2	0.2102
14MX-33S-37-2517	**482057**	33	5.790	5.680	6.465	A1F	0	1.75	0.31	1/2	2 11/16	7.5	0.2401

SPECIFICATION

HT500 TAPER-LOCK Sprockets (Continued)

14M HT500 Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters (In.)			Type	Dimensions (In.)			Bore Sizes		Approx. Weight (Lbs.)	Approx. WR^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	L	M	Min.	Max		
14MX-37						**F = 2.06"**							
14MX-34S-37-2517	**482058**	34	5.965	5.855	6.465	A1F	0	1.75	0.31	1/2	2 11/16	7.8	0.2730
14MX-35S-37-2517	**482059**	35	6.141	6.031	6.816	A1F	0	1.75	0.31	1/2	2 11/16	8.3	0.3091
14MX-36S-37-2517	**482060**	36	6.316	6.206	6.816	A1F	0	1.75	0.31	1/2	2 11/16	8.8	0.3487
14MX-37S-37-2517	**482061**	37	6.492	6.382	7.167	A1F	0	1.75	0.31	1/2	2 11/16	9.3	0.3919
14MX-38S-37-3020	**482062**	38	6.667	6.557	7.167	A1F	0	2.00	0.06	7/8	3 1/4	10.8	0.5016
14MX-39S-37-3020	**482063**	39	6.842	6.732	7.518	A1F	0	2.00	0.06	7/8	3 1/4	11.9	0.5620
14MX-40S-37-3020	**482064**	40	7.018	6.908	7.518	A1F	0	2.00	0.06	7/8	3 1/4	12.2	0.6277
14MX-43S-37-3020	**482065**	43	7.544	7.434	8.044	A1F	0	2.00	0.06	7/8	3 1/4	12.5	0.8589
14MX-45S-37-3020	**482066**	45	7.895	7.785	8.395	A1F	0	2.00	0.06	7/8	3 1/4	15.8	1.0447
14MX-48S-37-3020	**482067**	48	8.421	8.311	8.941	A1F	0	2.00	0.06	7/8	3 1/4	18.7	1.3774
14MX-50S-37-3020	**482068**	50	8.772	8.662	9.292	A1F	0	2.00	0.06	7/8	3 1/4	21.1	1.6394
14MX-53S-37-3020	**482069**	53	9.299	9.189	9.688	A1F	0	2.00	0.06	7/8	3 1/4	24.7	2.0997
14MX-56S-37-3525	**482070**	56	9.825	9.715	10.355	B1F	0	2.50	0.44	1 3/16	3 15/16	28.2	2.6416
14MX-60S-37-3525	**482071**	60	10.527	10.417	11.067	B1F	0	2.50	0.44	1 3/16	3 15/16	32.2	3.5355
14MX-63S-37-3525	**482072**	63	11.053	10.943	11.593	B1F	0	2.50	0.44	1 3/16	3 15/16	42.8	4.3411
14MX-67S-37-3525	**482073**	67	11.755	11.645	12.500	B1F	0	2.50	0.44	1 3/16	3 15/16	43.5	5.6192
14MX-71S-37-3525	**482074**	71	12.457	12.347	13.066	B2F	0	2.50	0.44	1 3/16	3 15/16	44.1	3.5191
14MX-75S-37-3525	**482075**	75	13.158	13.048	13.731	B2F	0	2.50	0.44	1 3/16	3 15/16	45.5	4.3017
14MX-80S-37-3525	**482076**	80	14.036	13.926	14.620	B2F	0	2.50	0.44	1 3/16	3 15/16	48.7	5.4564
14MX-90S-37-3525	**482077**	90	15.790	15.680	- - -	B2	0	2.50	0.44	1 3/16	3 15/16	53.3	8.4295
14MX-112S-37-3525	**482078**	112	19.650	19.540	- - -	B3	0	2.50	0.44	1 3/16	3 15/16	87.0	14.200
14MX-126S-37-3525	**482079**	126	22.106	21.996	- - -	B3	0	2.50	0.44	1 3/16	3 15/16	76.3	21.539
14MX-140S-37-3525	**482080**	140	24.562	24.452	- - -	B3	0	2.50	0.44	1 3/16	3 15/16	100.2	31.267
14MX-154S-37-3525	**482081**	154	27.019	26.909	- - -	B3	0	2.50	0.44	1 3/16	3 15/16	100.2	43.807
14MX-168S-37-4030	**482082**	168	29.475	29.365	- - -	B3	0	3.00	0.94	1 7/16	4 7/16	179.0	59.582
14MX-180S-37-4030	**482083**	180	31.580	31.470	- - -	B3	0	3.00	0.94	1 7/16	4 7/16	182.3	76.076
14MX-200S-37-4030	**482084**	200	35.089	34.979	- - -	B3	0	3.00	0.94	1 7/16	4 7/16	185.4	100.527
14MX-224S-37-4030	**482085**	224	39.300	39.190	- - -	B3	0	3.00	0.94	1 7/16	4 7/16	229.1	165.266
14MX-68						**F = 3.33"**							
14MX-28S-68-2517	**482096**	28	4.912	4.802	5.402	A1F	0	1.75	1.58	1/2	2 11/16	13.5	0.1804
14MX-29S-68-2517	**482097**	29	5.088	4.978	5.763	A1F	0	1.75	1.58	1/2	2 11/16	13.8	0.2101
14MX-30S-68-2517	**482098**	30	5.263	5.153	5.763	A1F	0	1.75	1.58	1/2	2 11/16	14.0	0.2433
14MX-31S-68-2517	**482099**	31	5.439	5.329	6.114	A1F	0	1.75	1.58	1/2	2 11/16	14.3	0.2802
14MX-32S-68-2517	**482100**	32	5.614	5.504	6.114	A1F	0	1.75	1.58	1/2	2 11/16	14.6	0.3211
14MX-33S-68-2517	**482101**	33	5.790	5.680	6.465	A1F	0	1.75	1.58	1/2	2 11/16	14.9	0.3663
14MX-34S-68-2517	**482102**	34	5.965	5.855	6.465	A1F	0	1.75	1.58	1/2	2 11/16	15.2	0.4160
14MX-35S-68-3020	**482103**	35	6.141	6.031	6.816	A1F	0	2.00	1.33	7/8	3 1/4	15.5	0.4692
14MX-36S-68-3020	**482104**	36	6.316	6.206	6.816	A1F	0	2.00	1.33	7/8	3 1/4	15.8	0.5285
14MX-37S-68-3020	**482105**	37	6.492	6.382	7.167	A1F	0	2.00	1.33	7/8	3 1/4	16.1	0.5932
14MX-38S-68-3020	**482106**	38	6.667	6.557	7.167	A1F	0	2.00	1.33	7/8	3 1/4	16.4	0.6635
14MX-39S-68-3020	**482107**	39	6.842	6.732	7.518	A1F	0	2.00	1.33	7/8	3 1/4	16.7	0.7400
14MX-40S-68-3020	**482108**	40	7.018	6.908	7.518	A1F	0	2.00	1.33	7/8	3 1/4	17.0	0.8239
14MX-43S-68-3020	**482109**	43	7.544	7.434	8.044	A1F	0	2.00	1.33	7/8	3 1/4	17.2	1.1187
14MX-45S-68-3020	**482110**	45	7.895	7.785	8.395	A1F	0	2.00	1.33	7/8	3 1/4	20.4	1.3552
14MX-48S-68-3525	**482111**	48	8.421	8.311	8.941	A1F	0	2.50	0.83	1 3/16	3 15/16	24.6	1.7697
14MX-50S-68-3525	**482112**	50	8.772	8.662	9.292	A1F	0	2.50	0.83	1 3/16	3 15/16	29.4	2.1032
14MX-53S-68-3525	**482113**	53	9.299	9.189	9.688	A1F	0	2.50	0.83	1 3/16	3 15/16	35.7	2.6902
14MX-56S-68-3525	**482114**	56	9.825	9.715	10.355	A1F	0	2.50	0.83	1 3/16	3 15/16	39.9	3.3944
14MX-60S-68-3525	**482115**	60	10.527	10.417	11.067	A1F	0	2.50	0.83	1 3/16	3 15/16	50.6	4.5427
14MX-63S-68-3525	**482116**	63	11.053	10.943	11.593	A1F	0	2.50	0.83	1 3/16	3 15/16	58.0	5.5830
14MX-67S-68-3525	**482117**	67	11.755	11.645	12.500	A2F	0	2.50	0.83	1 3/16	3 15/16	60.0	4.4150
14MX-71S-68-3525	**482118**	71	12.457	12.347	13.066	A2F	0	2.50	0.83	1 3/16	3 15/16	63.3	5.4244
14MX-75S-68-3525	**482119**	75	13.158	13.048	13.731	A2F	0	2.50	0.83	1 3/16	3 15/16	68.6	6.5958

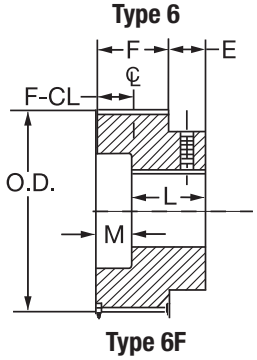
SPECIFICATION

DODGE

Sprocket Number	Part No.	No. Of Teeth	Diameters (In.)			Type	Dimensions (In.)			Bore Sizes		Approx. Weight (Lbs.)	Approx. WR^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	L	M	Min.	Max		
14MX-68						**F = 3.33"**							
14MX-80S-68-3525	**482120**	80	14.036	13.926	14.620	A2F	0	2.50	0.83	1 3/16	3 15/16	76.3	8.3123
14MX-90S-68-4030	**482121**	90	15.790	15.680	- - -	A2	0	3.00	0.33	1 7/16	4 7/16	82.6	12.782
14MX-112S-68-4030	**482122**	112	19.650	19.540	- - -	A3	0	3.00	0.33	1 7/16	4 7/16	100.4	23.778
14MX-140S-68-4030	**482123**	140	24.562	24.452	- - -	A3	0	3.00	0.33	1 7/16	4 7/16	190.0	52.002
14MX-168S-68-4535	**482124**	168	29.475	29.365	- - -	B3	0	3.50	0.17	1 15/16	4 15/16	239.1	98.636
14MX-180S-68-4535	**482125**	180	31.580	31.470	- - -	B3	0	3.50	0.17	1 15/16	4 15/16	250.6	125.733
14MX-200S-68-4535	**482126**	200	35.089	34.979	- - -	B3	0	3.50	0.17	1 15/16	4 15/16	262.5	182.222
14MX-224S-68-5040	**482127**	224	39.300	39.190	- - -	B3	0	4.00	0.67	2 7/16	5	350.0	271.707
14MX-90						**F = 4.20"**							
14MX-35S-90-3020	**482141**	35	6.141	6.031	6.816	A1F	0	2.00	2.20	7/8	3 1/4	22.9	0.5884
14MX-36S-90-3020	**482142**	36	6.316	6.206	6.816	A1F	0	2.00	2.20	7/8	3 1/4	23.1	0.6633
14MX-37S-90-3020	**482143**	37	6.492	6.382	7.167	A1F	0	2.00	2.20	7/8	3 1/4	23.4	0.7449
14MX-38S-90-3020	**482144**	38	6.667	6.557	7.167	A1F	0	2.00	2.20	7/8	3 1/4	23.7	0.8338
14MX-39S-90-3020	**482145**	39	6.842	6.732	7.518	A1F	0	2.00	2.20	7/8	3 1/4	24.0	0.9303
14MX-40S-90-3020	**482146**	40	7.018	6.908	7.518	A1F	0	2.00	2.20	7/8	3 1/4	24.3	1.0349
14MX-43S-90-3525	**482147**	43	7.544	7.434	8.044	A1F	0	2.50	1.70	1 3/16	3 15/16	24.7	1.3910
14MX-45S-90-3525	**482148**	45	7.895	7.785	8.395	A1F	0	2.50	1.70	1 3/16	3 15/16	27.3	1.6846
14MX-48S-90-3525	**482149**	48	8.421	8.311	8.941	A1F	0	2.50	1.70	1 3/16	3 15/16	29.3	2.2089
14MX-50S-90-3525	**482150**	50	8.772	8.662	9.292	A1F	0	2.50	1.70	1 3/16	3 15/16	33.4	2.6208
14MX-53S-90-3525	**482151**	53	9.299	9.189	9.688	A1F	0	2.50	1.70	1 3/16	3 15/16	42.1	3.3442
14MX-56S-90-4030	**482152**	56	9.825	9.715	10.355	A1F	0	3.00	1.20	1 7/16	4 7/16	46.8	4.1952
14MX-60S-90-4030	**482153**	60	10.527	10.417	11.067	A1F	0	3.00	1.20	1 7/16	4 7/16	50.4	5.6011
14MX-63S-90-4030	**482154**	63	11.053	10.943	11.593	A1F	0	3.00	1.20	1 7/16	4 7/16	64.6	6.8708
14MX-67S-90-4030	**482155**	67	11.755	11.645	12.500	A1F	0	3.00	1.20	1 7/16	4 7/16	70.0	8.8919
14MX-71S-90-4030	**482156**	71	12.457	12.347	13.066	A1F	0	3.00	1.20	1 7/16	4 7/16	85.0	11.339
14MX-75S-90-4030	**482157**	75	13.158	13.048	13.731	A2F	0	3.00	1.20	1 7/16	4 7/16	86.7	14.669
14MX-80S-90-4030	**482158**	80	14.036	13.926	14.620	A2F	0	3.00	1.20	1 7/16	4 7/16	88.0	13.800
14MX-90S-90-4030	**482159**	90	15.790	15.680	- - -	A2	0	3.00	1.20	1 7/16	4 7/16	124.2	16.521
14MX-112S-90-4535	**482160**	112	19.650	19.540	- - -	A3	0	3.50	0.70	1 15/16	4 15/16	197.9	30.460
14MX-140S-90-5040	**482161**	140	24.562	24.452	- - -	A3	0	4.00	0.20	2 7/16	5	240.0	66.242
14MX-168S-90-6050	**482162**	168	29.475	29.365	- - -	B3	0	5.00	0.80	4 7/16	6	327.3	125.362
14MX-180S-90-6050	**482163**	180	31.580	31.470	- - -	B3	0	5.00	0.80	4 7/16	6	335.9	159.541
14MX-200S-90-6050	**482164**	200	35.089	34.979	- - -	B3	0	5.00	0.80	4 7/16	6	344.5	230.792
14MX-224S-90-6050	**482165**	224	39.300	39.190	- - -	B3	0	5.00	0.80	4 7/16	6	589.0	343.707
14MX-125						**F = 5.61"**							
14MX-50S-125-4535	**482182**	50	8.772	8.662	9.292	A1F	0	3.50	2.11	1 15/16	4 15/16	39.4	3.4090
14MX-52S-125-4535	**482183**	52	9.123	9.013	9.687	A1F	0	3.50	2.11	1 15/16	4 15/16	48.2	4.0199
14MX-53S-125-4535	**482184**	53	9.299	9.189	9.688	A1F	0	3.50	2.11	1 15/16	4 15/16	50.1	4.3540
14MX-56S-125-4535	**482185**	56	9.825	9.715	10.355	A1F	0	3.50	2.11	1 15/16	4 15/16	52.6	5.4811
14MX-60S-125-4535	**482186**	60	10.527	10.417	11.067	A1F	0	3.50	2.11	1 15/16	4 15/16	63.3	5.8084
14MX-63S-125-4535	**482187**	63	11.053	10.943	11.593	A1F	0	3.50	2.11	1 15/16	4 15/16	77.2	8.9504
14MX-67S-125-4535	**482188**	67	11.755	11.645	12.500	A1F	0	3.50	2.11	1 15/16	4 15/16	93.8	11.555
14MX-71S-125-5040	**482189**	71	12.457	12.347	13.066	A1F	0	4.00	1.61	2 7/16	5	113.2	14.674
14MX-75S-125-5040	**482190**	75	13.158	13.048	13.731	A1F	0	4.00	1.61	2 7/16	5	132.8	18.431
14MX-80S-125-5040	**482191**	80	14.036	13.926	14.620	A1F	0	4.00	1.61	2 7/16	5	137.0	24.109
14MX-90S-125-5040	**482192**	90	15.790	15.680	- - -	A2	0	4.00	1.61	2 7/16	5	141.8	23.571
14MX-112S-125-6050	**482193**	112	19.650	19.540	- - -	A2	0	5.00	0.61	4 7/16	6	210.6	51.582
14MX-140S-125-6050	**482194**	140	24.562	24.452	- - -	A2	0	5.00	0.61	4 7/16	6	270.3	114.827
14MX-168S-125-7060	**482195**	168	29.475	29.365	- - -	B3	0	6.00	0.39	4 15/16	7	345.2	168.072
14MX-180S-125-7060	**482196**	180	31.580	31.470	- - -	B3	0	6.00	0.39	4 15/16	7	365.2	213.396
14MX-200S-125-7060	**482197**	200	35.089	34.979	- - -	B3	0	6.00	0.39	4 15/16	7	373.5	307.825
14MX-224S-125-7060	**482198**	224	39.300	39.190	- - -	B3	0	6.00	0.39	4 15/16	7	482.3	457.347

SPECIFICATION

HT500 MPB Sprockets



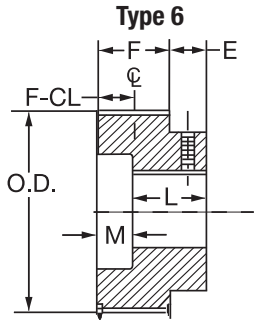
The letter "F" shown with type 6F indicates that Sprocket has flanges

8MX Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters (In.)			Dimensions (In.)			Bore Sizes		Approx. Weight (Lbs.)	Approx. WR^2 (Lb-Ft^2)
			P.D.	O.D.	Flange	E	L	M	Min.	Max		
8MX-12					**F = .85"**						**Type 6F**	
8MX-22S-12-MPB	**481870**	22	2.206	2.143	2.606	0	1.31	0.46	0.50	1.00	0.9	0.0020
8MX-25S-12-MPB	**481871**	25	2.506	2.443	2.906	0	1.31	0.46	0.50	1.50	1.0	0.0041
8MX-28S-12-MPB	**481872**	28	2.807	2.744	3.207	0	1.31	0.46	0.50	1.75	1.4	0.0070
8MX-30S-12-MPB	**481873**	30	3.008	2.945	3.408	0	1.42	0.57	0.27	1.13	1.6	0.0088
8MX-32S-12-MPB	**481874**	32	3.208	3.145	3.608	0	1.42	0.57	0.50	2.00	1.7	0.0130
8MX-21					**F = 1.20"**						**Type 6F**	
8MX-22S-21-MPB	**481910**	22	2.206	2.143	2.606	0	1.65	0.45	0.50	1.19	1.1	0.0025
8MX-25S-21-MPB	**481911**	25	2.506	2.443	2.906	0	1.65	0.45	0.50	1.50	1.4	0.0048
8MX-28S-21-MPB	**481912**	28	2.807	2.744	3.207	0	1.65	0.45	0.50	1.75	1.8	0.0081
8MX-30S-21-MPB	**481913**	30	3.008	2.945	3.408	0	1.77	0.57	0.50	1.81	2.2	0.0112
8MX-32S-21-MPB	**481914**	32	3.208	3.145	3.608	0	1.77	0.57	0.50	2.00	2.5	0.0149
8MX-36					**F = 1.86"**						**Type 6F**	
8MX-22S-36-MPB	**481950**	22	2.206	2.143	2.606	0	2.44	0.58	0.50	1.19	1.0	0.0036
8MX-25S-36-MPB	**481951**	25	2.506	2.443	2.906	0	2.44	0.58	0.50	1.50	1.3	0.0066
8MX-28S-36-MPB	**481952**	28	2.807	2.744	3.207	0	2.44	0.58	0.50	1.75	1.5	0.0108
8MX-30S-36-MPB	**481953**	30	3.008	2.945	3.408	0	2.44	0.58	0.50	1.81	1.7	0.0147
8MX-32S-36-MPB	**481954**	32	3.208	3.145	3.608	0	2.44	0.58	0.50	2.00	3.9	0.0193
8MX-34S-36-MPB	**481955**	34	3.409	3.346	3.81	0	2.45	0.59	0.50	2.13	4.3	0.0269
8MX-36S-36-MPB	**481956**	36	3.609	3.546	4.009	0	2.51	0.65	0.50	2.31	4.3	0.0344
8MX-38S-36-MPB	**481957**	38	3.810	3.747	4.210	0	2.51	0.65	0.50	2.44	4.4	0.0434
8MX-62					**F = 2.91"**						**Type 6F**	
8MX-22S-62-MPB	**481985**	22	2.206	2.143	2.606	0	3.56	0.65	1.00	1.19	3.2	0.0059
8MX-25S-62-MPB	**481986**	25	2.506	2.443	2.906	0	3.56	0.65	1.00	1.50	3.3	0.0103
8MX-28S-62-MPB	**481987**	28	2.807	2.744	3.207	0	3.56	0.65	1.00	1.75	3.5	0.0168
8MX-30S-62-MPB	**481988**	30	3.008	2.945	3.408	0	3.50	0.59	1.00	1.81	4.0	0.0226
8MX-32S-62-MPB	**481989**	32	3.208	3.145	3.608	0	3.50	0.59	1.00	2.00	5.0	0.0297
8MX-34S-62-MPB	**481990**	34	3.409	3.346	3.81	0	3.50	0.59	1.00	2.13	5.7	0.0384
8MX-36S-62-MPB	**481991**	36	3.609	3.546	4.009	0	3.56	0.65	1.00	2.31	6.6	0.0488
8MX-38S-62-MPB	**481992**	38	3.812	3.747	4.210	0	3.56	0.65	1.00	2.44	7.4	0.0611
8MX-40S-62-MPB	**481993**	40	4.010	3.947	4.410	0	3.63	0.72	1.00	2.56	8.4	0.0757
8MX-42S-62-MPB	**481994**	42	4.211	4.148	4.911	0	3.63	0.72	1.00	2.75	9.6	0.0927
8MX-45S-62-MPB	**481995**	45	4.511	4.448	4.911	0	3.63	0.72	1.00	2.75	10.8	0.1235

SPECIFICATION

HT500 MPB Sprockets



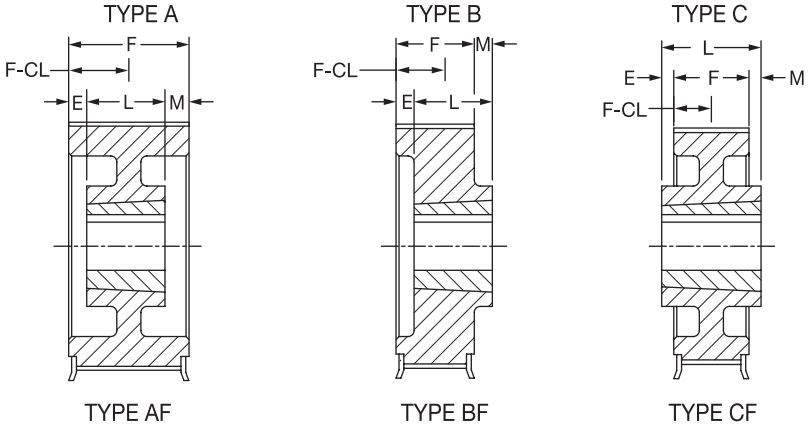
The letter "F" shown with type 6F indicates that Sprocket has flanges

14MX Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters (In.)			Dimensions (In.)			Bore Sizes		Approx. Weight (Lbs.)	Approx. WR^2 (Lb-Ft^2)
			P.D.	O.D.	Flange	E	L	M	Min.	Max		
14MX-37					**F = 2.06"**						**Type 6F**	
14MX-28S-37-MPB	**482051**	28	4.912	4.802		0	2.86	0.80	1.00	2.94	11.70	0.1272
14MX-68					**F = 3.33"**						**Type 6F**	
14MX-28S-68-MPB	**482089**	28	4.912	4.802	5.402	0	4.13	0.80	1.00	2.94	13.4	0.1796
14MX-29S-68-MPB	**482090**	29	5.088	4.978	5.763	0	4.13	0.80	1.00	3.19	14.5	0.2081
14MX-30S-68-MPB	**482091**	30	5.263	5.153	5.763	0	4.13	0.80	1.00	3.19	15.7	0.2415
14MX-31S-68-MPB	**482092**	31	5.439	5.329	6.114	0	4.13	0.80	1.00	3.44	16.8	0.2768
14MX-32S-68-MPB	**482093**	32	5.614	5.504	6.114	0	4.13	0.80	1.00	3.44	18.0	0.3178
14MX-33S-68-MPB	**482094**	33	5.790	5.680	6.465	0	4.33	1.00	1.00	3.50	19.5	0.3626
14MX-34S-68-MPB	**482095**	34	5.965	5.855	6.465	0	4.33	1.00	1.00	3.50	21.1	0.4122
14MX-90					**F = 4.20"**						**Type 6F**	
14MX-28S-90-MPB	**482128**	28	4.912	4.802	5.402	0	5.14	0.94	1.50	2.94	17.4	0.2309
14MX-29S-90-MPB	**482129**	29	5.088	4.978	5.763	0	5.00	0.80	1.50	3.19	18.9	0.2684
14MX-30S-90-MPB	**482130**	30	5.263	5.153	5.763	0	5.00	0.80	1.50	3.19	20.3	0.3102
14MX-31S-90-MPB	**482131**	31	5.439	5.329	6.114	0	5.00	0.80	1.50	3.44	21.8	0.3566
14MX-32S-90-MPB	**482132**	32	5.614	5.504	6.114	0	5.00	0.80	1.50	3.44	23.2	0.4080
14MX-33S-90-MPB	**482133**	33	5.790	5.680	6.465	0	5.20	1.00	1.50	3.50	25.2	0.4648
14MX-34S-90-MPB	**482134**	34	5.965	5.855	6.465	0	5.20	1.00	1.50	3.50	27.2	0.5272
14MX-35S-90-MPB	**482135**	35	6.141	6.031	6.816	0	5.20	1.00	1.50	3.81	28.7	0.5956
14MX-36S-90-MPB	**482136**	36	6.316	6.206	6.816	0	5.20	1.00	1.50	3.81	30.3	0.6704
14MX-37S-90-MPB	**482137**	37	6.492	6.382	7.167	0	5.20	1.00	1.50	4.13	32.1	0.7521
14MX-38S-90-MPB	**482138**	38	6.667	6.557	7.167	0	5.20	1.00	1.50	4.13	33.9	0.8410
14MX-39S-90-MPB	**482139**	39	6.842	6.732	7.518	0	5.20	1.00	1.50	4.38	35.8	0.9375
14MX-40S-90-MPB	**482140**	40	7.018	6.908	6.518	0	5.20	1.00	1.50	4.38	37.7	1.0421
14MX-125					**F = 5.61"**						**Type 6F**	
14MX-28S-125-MPB	**482166**	28	4.912	4.802	5.402	0	6.50	0.89	1.50	2.94	22.0	0.3098
14MX-29S-125-MPB	**482167**	29	5.088	4.978	5.763	0	6.50	0.89	1.50	3.19	23.7	0.3599
14MX-30S-125-MPB	**482168**	30	5.263	5.153	5.763	0	6.50	0.89	1.50	3.19	25.4	0.4156
14MX-31S-125-MPB	**482169**	31	5.439	5.329	6.114	0	6.50	0.89	1.50	3.44	27.3	0.4697
14MX-32S-125-MPB	**482170**	32	5.614	5.504	6.114	0	6.50	0.89	1.50	3.44	39.2	0.5382
14MX-33S-125-MPB	**482171**	33	5.790	5.680	6.465	0	6.69	1.08	1.50	3.50	31.8	0.6138
14MX-34S-125-MPB	**482172**	34	5.965	5.855	6.465	0	6.69	1.08	1.50	3.50	34.3	0.6967
14MX-35S-125-MPB	**482173**	35	6.141	6.031	6.816	0	6.69	1.08	1.50	3.81	36.2	0.7877
14MX-36S-125-MPB	**482174**	36	6.316	6.206	6.816	0	6.69	1.08	1.50	3.81	38.0	0.8870
14MX-37S-125-MPB	**482175**	37	6.492	6.382	7.167	0	6.69	1.08	1.50	4.13	40.3	0.9953
14MX-38S-125-MPB	**482176**	38	6.667	6.557	7.167	0	6.69	1.08	1.50	4.13	42.5	1.1131
14MX-39S-125-MPB	**482177**	39	6.842	6.732	7.518	0	6.69	1.08	1.50	4.38	44.9	1.2283
14MX-40S-125-MPB	**482178**	40	7.018	6.908	7.518	0	6.69	1.08	1.50	4.38	47.2	1.3666
14MX-43S-125-MPB	**482179**	43	7.544	7.434	8.044	0	6.81	1.20	1.50	4.81	55.5	1.8507
14MX-45S-125-MPB	**482180**	45	7.895	7.785	8.395	0	6.81	1.20	1.50	5.00	61.3	2.2373
14MX-48S-125-MPB	**482181**	48	8.421	8.311	8.941	0	6.81	1.20	1.50	5.63	68.7	2.9260

SPECIFICATION

HT500 Sprockets
For ACHE Application
TAPER LOCK



TYPE AF TYPE BF TYPE CF

1 = Block 2 = Web 3 = Arms

The letter "F" in column "Type" indicates that Sprocket has flanges

FIN-FAN HT500 Sprockets For Cooling Tower Drives

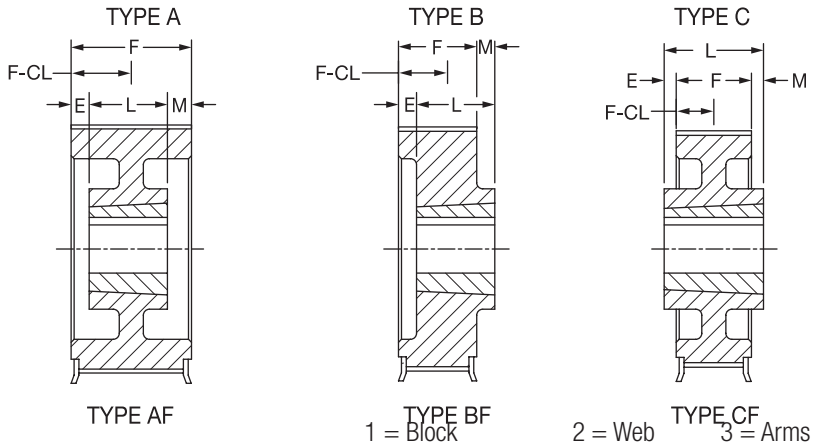
Sprocket Number	Part No.	No. Of Teeth	Diameters (In.)			Type			Bore Sizes		Approx. Weight (Lbs.)	Approx. WR^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		L	M	Min.	Max		
14MX-37					**F = 2.06"**							
F14MX-180S-37-3020	**482086**	180	31.580	31.470	- - -	B3	2.00	0.06	7/8	3 1/4	120.0	76.1453
F14MX-200S-37-3020	**482087**	200	35.086	34.979	- - -	B3	2.00	0.06	7/8	3 1/4	130.0	110.593
F14MX-224S-37-3020	**482088**	224	39.296	39.190	- - -	B3	2.00	0.06	7/8	3 1/4	177.0	165.315

DODGE

HT500 Sprockets

For ACHE Application

QD



TYPE AF TYPE BF TYPE CF

1 = Block 2 = Web 3 = Arms

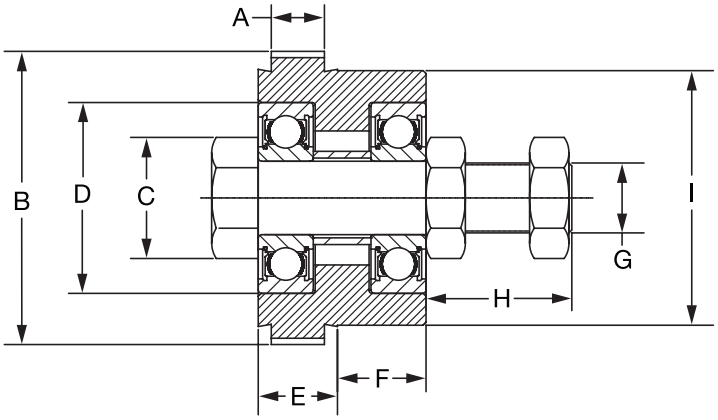
The letter "F" in column "Type" indicates that Sprocket has flanges

FIN-FAN HT500 Sprockets For Cooling Tower Drives

Sprocket Number	Part No.	No. Of Teeth	Diameters (In.)			Type	Dimensions (In.)			Bore Sizes		Approx. Weight (Lbs.)
			P.D.	O.D.	Flange		E	L	M	Min.	Max	
8MX-21						**F = 1.20"**						
F8MX-36S-21-SH	**482199**	36	3.609	3.546	4.009	A1F	0	0.81	0.39	1/2	1 5/8	2.1
F8MX-38S-21-SH	**482200**	38	3.810	3.747	4.210	A1F	0	0.81	0.39	1/2	1 5/8	2.1
F8MX-40S-21-SH	**482201**	40	4.010	3.947	4.410	A1F	0	0.81	0.39	1/2	1 5/8	2.3
F8MX-42S-21-SH	**482202**	42	4.211	4.148	4.911	A1F	0	0.81	0.39	1/2	1 5/8	2.5
F8MX-140S-21-SF	**482203**	140	14.036	13.973	- - -	B2	0	1.25	0.05	1/2	2 13/16	25.0
F8MX-168S-21-SF	**482204**	168	16.843	16.780	- - -	B3	0	1.25	0.05	1/2	2 13/16	33.8
F8MX-180S-21-SF	**482205**	180	18.046	17.983	- - -	B3	0	1.25	0.05	1/2	2 13/16	36.6
F8MX-224S-21-E	**482206**	224	22.457	22.394	- - -	B3	0	1.63	0.43	7/8	3 1/2	50.1
14MX-20						**F = 1.36"**						
F14MX-28S-20-SK	**482207**	28	4.912	4.802	5.402	A1F	0	1.25	0.11	1/2	2 1/2	3.9
F14MX-29S-20-SK	**482208**	29	5.088	4.978	5.763	A1F	0	1.25	0.11	1/2	2 1/2	4.5
F14MX-30S-20-SK	**482209**	30	5.263	5.153	5.763	A1F	0	1.25	0.11	1/2	2 1/2	4.8
F14MX-31S-20-SK	**482210**	31	5.439	5.329	6.114	A1F	0	1.25	0.11	1/2	2 1/2	5.5
F14MX-32S-20-SK	**482211**	32	5.614	5.504	6.114	A1F	0	1.25	0.11	1/2	2 1/2	5.9
F14MX-33S-20-SK	**482212**	33	5.790	5.680	6.465	A1F	0	1.25	0.11	1/2	2 1/2	6.3
F14MX-34S-20-SK	**482213**	34	5.965	5.855	6.465	A1F	0	1.25	0.11	1/2	2 1/2	6.9
F14MX-35S-20-SK	**482214**	35	6.141	6.031	6.816	A1F	0	1.25	0.11	1/2	2 1/2	7.3
F14MX-36S-20-SF	**482215**	36	6.315	6.206	6.816	A1F	0	1.25	0.11	1/2	2 15/16	7.9
F14MX-140S-20-E	**482216**	140	24.560	24.452	- - -	B3	0	1.63	0.27	7/8	3 1/2	66.1
F14MX-168S-20-F	**482217**	168	29.472	29.365	- - -	C3	0.56	2.50	0.58	1	3 15/16	90.0
F14MX-180S-20-F	**482218**	180	31.580	31.470	- - -	B3	0	2.50	1.14	1	3 15/16	107.3
F14MX-200S-20-F	**482219**	200	35.086	34.979	- - -	C3	0.88	2.50	0.26	1	3 15/16	119.0
F14MX-224S-20-F	**482220**	224	39.300	39.190	- - -	B3	0	2.50	1.14	1	3 15/16	125.0
14MX-37						**F = 2.06"**						
F14MX-28S-37-SK	**482221**	28	4.912	4.802	5.402	A1F	0.81	1.25	0	1/2	2 1/2	4.2
F14MX-29S-37-SK	**482222**	29	5.088	4.978	5.763	A1F	0.81	1.25	0	1/2	2 1/2	4.7
F14MX-30S-37-SK	**482223**	30	5.263	5.153	5.763	A1F	0.81	1.25	0	1/2	2 1/2	5.0
F14MX-31S-37-SK	**482224**	31	5.439	5.329	6.114	A1F	0	1.25	0.81	1/2	2 1/2	6.0
F14MX-32S-37-SK	**482225**	32	5.614	5.504	6.114	A1F	0	1.25	0.81	1/2	2 1/2	7.1
F14MX-33S-37-SK	**482226**	33	5.790	5.680	6.465	A1F	0	1.25	0.81	1/2	2 1/2	7.5
F14MX-34S-37-SK	**482227**	34	5.965	5.855	6.465	A1F	0	1.25	0.81	1/2	2 1/2	7.8
F14MX-35S-37-SK	**482228**	35	6.141	6.031	6.816	A1F	0	1.25	0.81	1/2	2 1/2	8.3
F14MX-36S-37-SF	**482229**	36	6.315	6.206	6.816	A1F	0.25	1.25	0.56	1/2	2 15/16	8.8
F14MX-180S-37-E	**482230**	180	31.580	31.470	- - -	A3	0.19	1.63	0.21	7/8	3 1/2	120.0
F14MX-200S-37-E	**482231**	200	35.089	34.979	- - -	A3	0.19	1.63	0.21	7/8	3 1/2	130.0
F14MX-224S-37-E	**482232**	224	39.300	39.190	- - -	A3	0.19	1.63	0.21	7/8	3 1/2	177.0

SPECIFICATION

HT500 IDLER Sprockets



Idler Number	Part No.	No. Of Teeth	Belt Width mm	A (Ref) In	B In	C (Ref) In	D In	E (Ref) In	F In	G (Threads) In	H (Ref) In	I In	Approx. Weight (Lbs.)
8MX-32-12-IDL	**482233**	32	12	0.56	3.15	1.13	2.05	0.85	0.96	3/4-16UNF	1.58	2.73	3.8
8MX-32-21-IDL	**482234**	32	21	0.97	3.15	1.25	2.05	1.24	0.57	3/4-16UNF	1.58	2.73	3.9
8MX-36-36-IDL	**482235**	36	36	1.59	3.55	1.75	2.83	1.86	0.00	3/4-16UNF	1.77	0.00	5.1
8MX-36-62-IDL	**482236**	36	62	2.63	3.55	1.75	2.83	2.91	0.65	3/4-16UNF	1.83	0.65	9.7
14MX-30-20-IDL	**482237**	30	20	1.05	5.15	2.38	3.54	1.36	0.97	1-14NS-1B	2.38	4.35	12.5
14MX-30-37-IDL	**482238**	30	37	1.73	5.15	2.38	3.54	2.06	0.25	1-14NS-1B	2.38	4.35	13.5
14MX-34-68-IDL	**482239**	34	68	3.02	5.86	2.75	4.38	3.33	0.98	1-14NS-1B	2.38	4.89	26.0
14MX-34-90-IDL	**482240**	34	90	3.88	5.86	2.75	4.38	4.20	0.99	1-14NS-1B	2.25	4.89	32.2
14MX-34-125-IDL	**482241**	34	125	5.28	5.86	2.75	4.38	5.61	1.08	1-14NS-1B	2.38	4.89	36.4

SPECIFICATION

HT500 Belts

HT500 Belts are for use on Taper-Lock HT500 Sprockets
Belt length is in millimeters
To convert to inches, divide by 25.4

8MM Pitch HT500 Belts

12MM Wide			21MM Wide			36MM Wide			62MM Wide		
Description	**P/N**	**Wt.**	**Description**	**P/N**	**Wt.**	**Description**	**P/N**	**Wt.**	**Description**	**P/N**	**Wt.**
248-8MX-12	**142600**	0.04	248-8MX-21	**142638**	0.05	248-8MX-36	**142676**	0.09	640-8MX-62	**142714**	0.80
288-8MX-12	**142601**	0.04	288-8MX-21	**142639**	0.06	288-8MX-36	**142677**	0.11	720-8MX-62	**142715**	1.00
352-8MX-12	**142602**	0.05	352-8MX-21	**142640**	0.07	352-8MX-36	**142678**	0.13	800-8MX-62	**142716**	1.08
416-8MX-12	**142603**	0.05	416-8MX-21	**142641**	0.09	416-8MX-36	**142679**	0.15	896-8MX-62	**142717**	1.20
456-8MX-12	**142604**	0.06	456-8MX-21	**142642**	0.10	456-8MX-36	**142680**	0.17	960-8MX-62	**142718**	1.25
480-8MX-12	**142605**	0.06	480-8MX-21	**142643**	0.10	480-8MX-36	**142681**	0.18	1000-8MX-62	**142719**	1.30
544-8MX-12	**142606**	0.07	544-8MX-21	**142644**	0.12	544-8MX-36	**142682**	0.20	1040-8MX-62	**142720**	1.35
608-8MX-12	**142607**	0.07	608-8MX-21	**142645**	0.13	608-8MX-36	**142683**	0.22	1120-8MX-62	**142721**	1.40
640-8MX-12	**142608**	0.40	640-8MX-21	**142646**	0.40	640-8MX-36	**142684**	0.70	1200-8MX-62	**142722**	1.75
720-8MX-12	**142609**	0.47	720-8MX-21	**142647**	0.45	720-8MX-36	**142685**	0.75	1224-8MX-62	**142723**	1.65
800-8MX-12	**142610**	0.50	800-8MX-21	**142648**	0.50	800-8MX-36	**142686**	0.80	1280-8MX-62	**142724**	1.70
896-8MX-12	**142611**	0.55	896-8MX-21	**142649**	0.53	896-8MX-36	**142687**	0.90	1440-8MX-62	**142725**	1.85
960-8MX-12	**142612**	0.58	960-8MX-21	**142650**	0.58	960-8MX-36	**142688**	0.97	1600-8MX-62	**142726**	2.00
1000-8MX-12	**142613**	0.60	1000-8MX-21	**142651**	0.60	1000-8MX-36	**142689**	1.00	1760-8MX-62	**142727**	2.10
1040-8MX-12	**142614**	0.65	1040-8MX-21	**142652**	0.65	1040-8MX-36	**142690**	1.02	1792-8MX-62	**142728**	2.10
1120-8MX-12	**142615**	0.68	1120-8MX-21	**142653**	0.70	1120-8MX-36	**142691**	1.10	2000-8MX-62	**142729**	2.30
1200-8MX-12	**142616**	0.70	1200-8MX-21	**142654**	0.75	1200-8MX-36	**142692**	1.12	2200-8MX-62	**142730**	2.50
1224-8MX-12	**142617**	0.72	1224-8MX-21	**142655**	0.75	1224-8MX-36	**142693**	1.20	2240-8MX-62	**142731**	2.55
1280-8MX-12	**142618**	0.75	1280-8MX-21	**142656**	0.80	1280-8MX-36	**142694**	1.25	2400-8MX-62	**142732**	2.80
1440-8MX-12	**142619**	0.80	1440-8MX-21	**142657**	0.90	1440-8MX-36	**142695**	1.35	2520-8MX-62	**142733**	2.90
1600-8MX-12	**142620**	0.90	1600-8MX-21	**142658**	1.00	1600-8MX-36	**142696**	1.45	2600-8MX-62	**142734**	2.95
1760-8MX-12	**142621**	0.95	1760-8MX-21	**142659**	1.15	1760-8MX-36	**142697**	1.60	2800-8MX-62	**142735**	3.10
1792-8MX-12	**142622**	1.00	1792-8MX-21	**142660**	1.15	1792-8MX-36	**142698**	1.65	2840-8MX-62	**142736**	3.15
2000-8MX-12	**142623**	1.10	2000-8MX-21	**142661**	1.25	2000-8MX-36	**142699**	1.70	3048-8MX-62	**142737**	3.40
2200-8MX-12	**142624**	1.15	2200-8MX-21	**142662**	1.38	2200-8MX-36	**142700**	1.88	3200-8MX-62	**142738**	3.60
2240-8MX-12	**142625**	1.20	2240-8MX-21	**142663**	1.40	2240-8MX-36	**142701**	1.90	3280-8MX-62	**142739**	3.70
2400-8MX-12	**142626**	1.30	2400-8MX-21	**142664**	1.50	2400-8MX-36	**142702**	2.00	3600-8MX-62	**142740**	4.05
2520-8MX-12	**142627**	1.35	2520-8MX-21	**142665**	1.60	2520-8MX-36	**142703**	2.15	4000-8MX-62	**142741**	4.40
2600-8MX-12	**142628**	1.40	2600-8MX-21	**142666**	1.65	2600-8MX-36	**142704**	2.30	4400-8MX-62	**142742**	4.80
2800-8MX-12	**142629**	1.50	2800-8MX-21	**142667**	1.75	2800-8MX-36	**142705**	2.40	4480-8MX-62	**142743**	4.90
2840-8MX-12	**142630**	1.52	2840-8MX-21	**142668**	1.80	2840-8MX-36	**142706**	2.50			
3048-8MX-12	**142631**	1.65	3048-8MX-21	**142669**	1.90	3048-8MX-36	**142707**	2.62			
3200-8MX-12	**142632**	1.70	3200-8MX-21	**142670**	2.05	3200-8MX-36	**142708**	2.70			
3280-8MX-12	**142633**	1.75	3280-8MX-21	**142671**	2.10	3280-8MX-36	**142709**	2.72			
3600-8MX-12	**142634**	1.85	3600-8MX-21	**142672**	2.25	3600-8MX-36	**142710**	2.95			
4000-8MX-12	**142635**	2.10	4000-8MX-21	**142673**	2.55	4000-8MX-36	**142711**	3.25			
4400-8MX-12	**142636**	2.25	4400-8MX-21	**142674**	2.75	4400-8MX-36	**142712**	3.55			
4480-8MX-12	**142637**	2.33	4480-8MX-21	**142675**	2.80	4480-8MX-36	**142713**	3.60			

SPECIFICATION

HT500 Belts

HT500 Belts are for use on Taper-Lock HT500 Sprockets
Belt length is in millimeters
To convert to inches, divide by 25.4

14MM Pitch HT500 Belts

20MM Wide			37MM Wide			68MM Wide			90MM Wide			125MM Wide		
Description	**P/N**	**Wt.**	**Description**	**P/N**	**Wt.**	**Description**	**P/N**	**Wt.**	**Description**	**P/N**	**Wt.**	**Description**	**P/N**	**Wt.**
994-14MX-20	**142744**	1.30	994-14MX-37	**142771**	1.60	994-14MX-68	**142798**	2.40	994-14MX-90	**142825**	3.00	994-14MX-125	**142852**	3.60
1120-14MX-20	**142745**	1.35	1120-14MX-37	**142772**	1.70	1120-14MX-68	**142799**	2.60	1120-14MX-90	**142826**	3.30	1120-14MX-125	**142853**	3.90
1190-14MX-20	**142746**	1.40	1190-14MX-37	**142773**	1.75	1190-14MX-68	**142800**	2.70	1190-14MX-90	**142827**	3.35	1190-14MX-125	**142854**	4.00
1260-14MX-20	**142747**	1.45	1260-14MX-37	**142774**	1.80	1260-14MX-68	**142801**	2.80	1260-14MX-90	**142828**	3.60	1260-14MX-125	**142855**	4.20
1400-14MX-20	**142748**	1.55	1400-14MX-37	**142775**	2.05	1400-14MX-68	**142802**	3.00	1400-14MX-90	**142829**	3.35	1400-14MX-125	**142856**	4.60
1568-14MX-20	**142749**	1.65	1568-14MX-37	**142776**	2.20	1568-14MX-68	**142803**	3.25	1568-14MX-90	**142830**	4.10	1568-14MX-125	**142857**	5.00
1610-14MX-20	**142750**	1.70	1610-14MX-37	**142777**	2.30	1610-14MX-68	**142804**	3.40	1610-14MX-90	**142831**	4.25	1610-14MX-125	**142858**	5.20
1750-14MX-20	**142751**	1.75	1750-14MX-37	**142778**	2.45	1750-14MX-68	**142805**	3.60	1750-14MX-90	**142832**	4.50	1750-14MX-125	**142859**	5.40
1890-14MX-20	**142752**	1.75	1890-14MX-37	**142779**	2.55	1890-14MX-68	**142806**	3.95	1890-14MX-90	**142833**	4.85	1890-14MX-125	**142860**	5.80
1960-14MX-20	**142753**	1.80	1960-14MX-37	**142780**	2.60	1960-14MX-68	**142807**	4.00	1960-14MX-90	**142834**	4.95	1960-14MX-125	**142861**	6.00
2100-14MX-20	**142754**	1.90	2100-14MX-37	**142781**	2.70	2100-14MX-68	**142808**	4.20	2100-14MX-90	**142835**	5.20	2100-14MX-125	**142862**	6.50
2240-14MX-20	**142755**	1.98	2240-14MX-37	**142782**	2.85	2240-14MX-68	**142809**	4.50	2240-14MX-90	**142836**	5.45	2240-14MX-125	**142863**	6.80
2310-14MX-20	**142756**	2.05	2310-14MX-37	**142783**	2.90	2310-14MX-68	**142810**	4.70	2310-14MX-90	**142837**	5.50	2310-14MX-125	**142864**	7.00
2380-14MX-20	**142757**	2.10	2380-14MX-37	**142784**	3.00	2380-14MX-68	**142811**	4.70	2380-14MX-90	**142838**	5.70	2380-14MX-125	**142865**	7.10
2450-14MX-20	**142758**	2.15	2450-14MX-37	**142785**	3.10	2450-14MX-68	**142812**	4.85	2450-14MX-90	**142839**	5.85	2450-14MX-125	**142866**	7.20
2520-14MX-20	**142759**	2.20	2520-14MX-37	**142786**	3.20	2520-14MX-68	**142813**	4.90	2520-14MX-90	**142840**	5.90	2520-14MX-125	**142867**	7.40
2590-14MX-20	**142760**	2.20	2590-14MX-37	**142787**	3.25	2590-14MX-68	**142814**	5.00	2590-14MX-90	**142841**	5.95	2590-14MX-125	**142868**	7.60
2660-14MX-20	**142761**	2.25	2660-14MX-37	**142788**	3.35	2660-14MX-68	**142815**	5.15	2660-14MX-90	**142842**	6.10	2660-14MX-125	**142869**	7.75
2800-14MX-20	**142762**	2.30	2800-14MX-37	**142789**	3.40	2800-14MX-68	**142816**	5.20	2800-14MX-90	**142843**	6.40	2800-14MX-125	**142870**	8.30
3136-14MX-20	**142763**	2.50	3136-14MX-37	**142790**	3.65	3136-14MX-68	**142817**	5.80	3136-14MX-90	**142844**	7.00	3136-14MX-125	**142871**	9.10
3304-14MX-20	**142764**	2.55	3304-14MX-37	**142791**	3.85	3304-14MX-68	**142818**	6.05	3304-14MX-90	**142845**	7.35	3304-14MX-125	**142872**	9.50
3360-14MX-20	**142765**	2.60	3360-14MX-37	**142792**	3.85	3360-14MX-68	**142819**	6.10	3360-14MX-90	**142846**	7.50	3360-14MX-125	**142873**	9.65
3500-14MX-20	**142766**	2.70	3500-14MX-37	**142793**	3.95	3500-14MX-68	**142820**	6.30	3500-14MX-90	**142847**	7.70	3500-14MX-125	**142874**	10.00
3850-14MX-20	**142767**	2.85	3850-14MX-37	**142794**	4.25	3850-14MX-68	**142821**	6.80	3850-14MX-90	**142848**	8.30	3850-14MX-125	**142875**	10.75
3920-14MX-20	**142768**	2.95	3920-14MX-37	**142795**	4.35	3920-14MX-68	**142822**	7.00	3920-14MX-90	**142849**	8.50	3920-14MX-125	**142876**	11.00
4326-14MX-20	**142769**	3.15	4326-14MX-37	**142796**	4.70	4326-14MX-68	**142823**	7.70	4326-14MX-90	**142850**	9.20	4326-14MX-125	**142877**	12.00
4410-14MX-20	**142770**	3.20	4410-14MX-37	**142770**	4.75	4410-14MX-68	**142824**	7.85	4410-14MX-90	**142851**	9.30	4410-14MX-125	**142878**	12.20

HT500 Low-Speed Design Load Calculations

For use when designing HT500 belt drives with low speeds

I. Actual Operating Loads Known

In such cases where the actual operating load is known, design the belt drive for the actual operating load rather than for a load based upon the motor name plate. Use Equation 1 to calculate the proper drive design load based upon motor load (name plate or measured) when the belt drive will be installed on the reducer output shaft.

Design Load

Equation 1

DesignLoad = (MotorLoad) x ServiceFactor x (% Reducer Efficiency/100) Motor Load: From user/OEM

Service Factor: From Table 1

% Efficiency: From reducer manufacturer

Table 1—Service Factors for Low-Speed Drives
For Drive Selections With Shaft Speeds Less Than 500 rpm

DriveN Machine	Typical drivers are electric motors, hydraulic motors, or internal combustion engines with hydraulic couplings/torque converters.		
Select a driven load category whose characteristics most closely represent those of the actual equipment	Intermittent Service 3-5 Hours Daily	Normal Service 8-10 Hours Daily	Continuous Service 16-24 Hours Daily
Uniform Load: **Agitators & Mixers:** liquid and semi-liquid **Conveyors:** light package, oven, ore, sand, salt **Food Equipment:** bottling machinery, kettles, cookers, food handling machinery **Line shafts:** light or normal service **Paper Industry:** agitators, bleachers, calendars, dryer machinery **Printing Machinery:** cutters, rotary, embossing & flatbed presses, linotype, folders	1.0	1.2	1.3
Moderate Shock Load: **Agitator Mixers:** dough, heavy syrups **Brick & Clay Machinery:** auger, brick machines **Conveyors:** apron, bucket, pan, elevator **Cranes & Hoists:** hoists, elevators **Line Shafts:** moderate, heavy service **Paper Industry:** yankee dryer, winder drums **Printing Machinery:** magazine & newspaper printing presses **Rubber & Plastics Machinery:** calendars, rolls, tubers, extruders	1.3	1.4	1.5
Heavy Shock Loads: **Brick & Clay Machinery:** mixers, pug mills, rolls **Conveyors:** screw, flight **Crushing Machinery:** ball mills, jaw crushers, roll crushers **Mills:** rotary, ball, pebble, rod, tube **Mixers:** concrete **Rubber & Plastics Machinery:** mixers, sheeters	1.5	1.6	1.7

Additional Guidelines

There are many driven machines using, or potentially designed to use, roller chain drive systems.

When converting these to HT500 drives, consider the following additional guidelines.

- Do not overlook the torque multiplying effect of belt drives and speed reducers when calculating with torque loads.
- Engineering judgment should be used in determining a design load for non-standard motors with high starting loads (NEMA C, NEMA D, Direct Current, etc.).
- For guidance in calculating speed reducer efficiency, refer to Speed Reducer Efficiency on Page PT12-24.

Low-Speed HT500 Belt Drive Selection Procedure

For drive selections with shaft speeds less than 500 rpm

Selection of a Stock HT500 belt drive system involves these eight steps:

1. Calculate the Design Horsepower
2. Select the Belt Pitch
3. Select the Sprockets and Belt Length
4. Select the Proper Belt Width
5. Check and Specify Stock Drive Components
6. Installation and Take-up
7. Calculate Belt Tensioning Requirements
8. Verify Speed Reducer Overhung Load

Sample Drive Selection Problem

A blank Low-Speed Drive Design Information Sheet can be found on page PT12-25. This form provides a convenient method for collecting data to properly design or convert to a HT500 belt drive.

In this example, an ore conveyor is powered by an electric motor directly connected to a speed reducer. A HT500 belt drive is needed to transmit power from the speed reducer output shaft to the conveyor shaft. The motor is a 5 horsepower, 1750 rpm normal torque AC motor.

The speed reducer is a worm gear type unit with a 50 to 1 speed ratio. The ore conveyor is to be driveN at 17.5 ± 5% rpm and operates 24 hours per day 7 days a week. The center distance between shafts is 50.0 inches, but can be altered ± 3.0 inches, if necessary. The speed reducer output shaft has a 1.500 inch diameter and the conveyor shaft has a 2.000 inch diameter.

Step 1 Calculate The Design Horsepower

The Design Horsepower should be calculated as follows:

Design Horsepower =

(Motor Load) x (Low-Speed Service Factor) x (Reducer Efficiency)

Procedure

A. The motor load can be determined by several methods as explained in the Low-Speed Drive Load Calculations section on pages PT12-22 - PT12-24. The method used for determining motor load will depend on how much information is available on the application. A worksheet is provided on page PT12-25 to help choose which method is most appropriate given the information known.

Example

This example demonstrates the Proportioned Amperage Rating approach described in Formula 5 below.

$$\text{Horsepower} = \frac{(\text{nameplate HP})\ (\text{measured Amps})}{(\text{nameplate Amps})}$$

Motor = 5.00 hp (nameplate rating)
Nameplate Amps= 70.
Measured Amps: Phase 1 = 4.1
Phase 2 = 4.4
Phase 3 = 4.2

$$\text{Average Measured Amps} = \frac{\text{Phase 1} + \text{Phase 2} + \text{Phase 3}}{3}$$

$$= \frac{4.1\ \text{amps} + 4.4\ \text{amps} + 4.2\ \text{amps}}{3}$$

Average Measured Amps = 4.2 amps

$$\text{Motor Load} = \frac{(\text{Nameplate hp})\ (\text{Average Measured Amps})}{(\text{Nameplate Amps})}$$

$$= \frac{5\ \text{hp x4.2 amps}}{7.0\ \text{amps}}$$

Motor Load= 3.00 hp Procedure

B. The proper Low-Speed Service Factor is selected from Table 1 - Service Factors For Low-Speed Roller Chain Drive Conversions. The selection is based on the category of machinery being driven and the number of service hours per day.

Example

An Ore Conveyor is found in the Uniform Load drive group. Reading across to the right, the column heading for 16-24 hours daily service shows that a 1**.3 Service Factor** is recommended.

Procedure

C. The Reducer Efficiency is available from the speed reducer name plate or manufacturers' catalogs. Often the speed reducer efficiency is not provided directly in manufacturer's catalog. In such cases the reducer efficiency must be calculated as described on page PT12-24.

Example - Speed Reducer Efficiency Calculation
Speed Reducer Rated Input Load hp = .65
Speed Reducer Rated Output Torque = lb-in. 6210
Speed Reducer Rated Output Speed rpm = 35
Rated Output hp

$$= \frac{(\text{Rated Output Torque}) \times (\text{Output Speed})}{63025}$$

$$= \frac{(6210\text{lb -in}) \times (35\ \text{rpm})}{63025}$$

Rated Output hp = 3.4

$$\text{Reducer Efficiency} = \frac{\text{Rated Output Power}}{\text{Rated Input Power}}$$

$$= \frac{3.4\ \text{hp}}{6.5\ \text{hp}}$$

Reducer Efficiency = 0.53 or 53%

Procedure

D. The Design Horsepower can now be determined by multiplying these three values together.

Example - ***Design Horsepower Calculation***

Motor Load = **3.00 hp**
Low-Speed Service Factor =**1.3**
Reducer Efficiency = 53%
Horsepower = (Motorload)(Reducer Eff)
Horsepower = (3.00)(0.53) = 1.59

Design Horsepower = (HP)(Low Speed Service Factor)
Design Horsepower = (1.59)(1.3)
Design Horsepower = 2.07

Low-Speed HT500 Belt Drive Selection Procedure

Step 2 Select The Belt Pitch

Procedure

Using the Design Horsepower and the output speed of the speed reducer, select the belt pitch from the Belt Pitch Selection Guide Chart on page PT12-31.

Example

Design Horsepower = **2.07 hp**
Reducer Output Speed = **35 rpm**

Locate 35 rpm on the "RPM of Faster Shaft" scale on the left side of the chart and move over to where the 2.07 Design Horsepower line intersects. The intersection falls within the **8mm** pitch section, but a 14mm pitch belt could also be used.

Step 3 Select The Sprockets and Belt Length

Procedure

A. Determine the belt drive speed ratio: The speed ratio can be calculated by dividing the speed (rpm) of the faster shaft by the speed (rpm) of the slower shaft.

Example

Reducer Output Speed = 35 rpm

Ore Conveyor Speed = 17.5 rpm

$$\text{Speed Ratio} = \frac{\text{rpm of faster shaft}}{\text{rpm of slower shaft}} = \frac{35}{17.5} = 2.00$$

B. Select the sprocket combination and belt length: Referring to the Stock Drive Selection Tables, find the proper set of tables for the belt pitch (8mm or 14mm) found in Step 2. Looking down the speed ratio column, find the value which most closely matches the belt drive speed ratio required. Reading across the selected speed ratio line, find the stock DriveR and DriveN sprocket combination available. Reading further across, locate the belt drive center distance which most closely matches the target center distance specified. The belt sizes are listed across the top of the table for each corresponding center distance.

Multiple sprocket combinations will often be available for a given speed ratio. In such cases, selection of the proper drive combination will depend on the center distance required, minimum or maximum required sprocket diameters and speed reducer overhung load requirements. After selecting possible sprocket combinations and center distances, record the belt length (top of column) and the length factor (bottom of column).

Example
Belt pitch = 14mm
Belt Drive Speed Ratio = 2.000
Center Distance = 50.00 ± 3.00 in. (from the problem statement)

Refer to the 14mm Pitch Stock Drive Selection Tables on pages PT12-63 - PT12-76. Reading down the Speed Ratio Column locate 2.000. In this case, there are five different drive combinations available for a 2.000 Speed Ratio. Checking the center distance values for each combination, the 50.10 inch value is the closest to the 50.00 inch target. So, the 28 teeth DriveR sprocket, 56 teeth DriveN sprocket, and 3136-14MX (224 teeth) belt combination is selected. Also note that the Belt Length Correction Factor is 1.12 with a center distance of 50.10 inches.

Step 4 Select The Proper Belt Width Procedure

Horsepower Rating Tables are located on pages PT12-38 - PT12-46 for standard belt pitches and stock belt widths. The base horsepower rating is given in the upper table as a function of the speed (rpm) of the faster shaft and diameter of the small sprocket. The speed of the faster shaft is located in the left hand column. Across the top are various stock sprocket sizes. The base horsepower rating of a given sprocket, at a specific speed, is the point at which the "rpm" row and the "sprocket size" column intersect.

This basic horsepower rating must be corrected for speed down speed ratios, and for the belt length selected. The following formula should be used to calculate the total drive horsepower rating:

Rated Drive Horsepower = [Rated Base Horsepower

+ Additional Horsepower for Speed Ratio]

x (Belt Length Correction Factor)

Referring to the Speed Ratio Add-On Factor Table, select a value based upon the drive operating speed and the speed ratio. This value should be added to the basic horsepower rating. Multiply the corrected rating by the applicable Belt Length Correction Factor determined in Step 3B or from the Belt Length Correction Factor Table. The corrected horsepower rating must equal or exceed design horsepower.

Where there are several choices, space limitations may control the selection. In addition, the following guidelines should be considered:

1. Larger sprockets result in reduced belt width.
2. Larger sprockets yield longer drive service life.
3. Avoid drives where the belt width exceeds the smaller sprocket diameter.
4. Avoid drives where center distance is greater than 8 times the diameter of the smaller sprocket.

Example

Referring to the 14mm pitch Horsepower Rating Table for 20mm Wide belts on page PT12-42. Read down the left hand column for "RPM of Faster Shaft" and locate 35 rpm. Read the sprocket sizes listed across the top of the table and locate the 28 teeth, 4.912 inch P.D. column. Read across the "RPM" row and down the sprocket size column until the two intersect at a **Rated Base Horsepower of 2.53 HP.**

Next, referencing the Speed Ratio Add-On Correction Table (page PT12-42), find the listing for a 2.000 speed ratio. An add-on factor of 0.11 hp is listed. Then, referencing the Belt Length Correction Factor Table (page PT12-72), find the listing for a 3136-14MX belt. A correction factor of 1.12 is listed.

Low-Speed HT500 Belt Drive Selection Procedure

Calculate the Corrected Horsepower Rating:

Rated Drive Horsepower =

[Rated Base Horsepower + Added HP for Speed Ratio] x (Belt Length Correction Factor) = [2.53 hp+ 0.11 hp] x (1.12)

Rated Drive Horsepower 2.96 hp

The Corrected Horsepower Rating of 2.96 hp exceeds the Design Horsepower target of 2.07 hp. So, a **belt width of 20mm** is acceptable.

Step 5 Check and Specify Stock Drive Components

Procedure

A. Check the sprockets selected against any special design requirements using the dimensions provided in the Sprocket Specifications Tables on pages PT12-6 - PT12-13. Use flange diameters when checking against maximum diameter requirements.

B. Determine the bushing size required for each sprocket and check bore sizes by using the Sprocket Specification Tables. From the Stock Bushing tables in the bushing section, check the bore range and keyway dimensions against the design requirements.

Example

Also from the sprocket data on page PT12-9 we note that the **14MX-28S-20 sprocket** requires a 2012 bushing and the **14MX-56S-20 sprocket requires a 3525 bushing**. On page PT12-81 in the bushing data table, a **2012 bushing has a bore range of 1/2 to 2-1/8 inches**, which includes the 1-1/2 inch bore required for the driveR shaft. The **3525 bushing has a bore range from 1-3/16 to 3-15/16** inches page PT12-83, which includes the 2 inch bore required for the driveN shaft.

C. Specify stock drive components using proper designations.

Example
Stock drive components are as follows:

1 ea. - 3136-14MX-20 HT500 belt
1 ea. - 14MX-28S-20 driveR sprocket
1 ea. - 2012 Bushing with a 1-1/2 in. bore
1 ea. - 14MX-56S-20 driveN sprocket
1 ea. - 3525 Bushing with a 2 in. bore

Step 6 Installation and Take-up

Procedure

Because of its high resistance to elongation (stretch), there is no need to re-tension and take-up a HT500 belt drive. However, some adjustment must be provided when installing synchronous belt drives, as with nearly all power transmission systems, due to manufacturing and assembly tolerances and initial tensioning requirements. Table 11 on page PT12-36 lists the standard installation and take-up requirements for a given belt length. Additional center distance adjustment is needed when installing the belt over flanged sprockets (see Table 11 on page PT12-36.)

Example

As can be seen in the Sprocket Specifications Table on page PT12-9, both of the sprockets are flanged. Therefore, an additional allowance will be needed for installation over flanged sprockets. The total installation and tensioning allowances, are shown below.

Installation Allowance = 0.16 in. + 1.97 in. = 2.13 in.
Tensioning Allowance = 0.05 in.

Subtracting this from the nominal center distance value gives a minimum center distance necessary for belt installation of (50.10 inch -2.13 inch) = 47.97 inches. From the problem statement, the center distance can be reduced down to 47.0 in. if needed. So, there is sufficient center distance adjustment to easily install the belt.

Step 7 Calculate Belt Tensioning Requirements

Procedure

A. Calculate base static tension using Formula 14 on page PT12-35. The m value is listed in Table 10 on page PT12-34.

Example

Belt Pitch = 14mm
Belt Size = 3136-14MX, 224 teeth (123.46 in. P.L.)
Belt Width = 20mm
DriveR Sprocket = 28 teeth (4.912 in. P.D.)
DriveR Shaft Speed = 35 rpm
DriveN Sprocket = 56 teeth (9.825 in. P.D.)
Actual Center Distance = 50.10 in.
Design Horsepower = 2.07 hp
Horsepower = 1.59 hp

$$Tst = \frac{20\ DHP}{S} + mS^2, \text{ pounds}$$

where:
DHP = Design Horsepower = 1.59 hp

m = 0.92, constant for 14mm pitch, 20mm wide belt from Table 10 on page PT12-34.
S = (Sprocket Diameter) x (Shaft Speed) / 3820
= (4.912 in.) x (35 rpm) / 3820
S = 0.05

$$Tst = \frac{20\ (1.59)}{0.05} + (0.92)(0.05)2$$

Tst = 636.00 + 0.002 lb.

Tst = 636.00 lb.

Low-Speed HT500 Belt Drive Selection Procedure

Step 7 Calculate Belt Tensioning Requirements

Procedure — continued

B. Calculate minimum and maximum deflection forces using Formulas 15 and 16 on page PT12-35. The Y value is listed in Table 10 on page PT12-34.

Example

a. Calculate the belt span length

$$t=\sqrt{C^2-\left(\frac{D-d}{2}\right)^2}$$

where:

t = Span Length, inches
C = Center Distance = **50.10 in.**
D = diameter of larger sprocket = **9.825 in. P.D.**
d = diameter of smaller sprocket = **4.912 in. P.D.**

$$t=\sqrt{50.10^2-\left(\frac{9.825-4.921}{2}\right)^2}$$

t = 50.04 in.

b. Calculate Minimum and Maximum belt deflection forces referring to Formulas 15 and 16 on page PT12-35:

$$\textit{Min Deflection Force} = \frac{1.1\text{st} + \left(\frac{t}{L}\right)Y}{16} \textit{ pounds}$$

where:

T_{ST} = **636.0** pounds static tension as calculated above
t = **50.04** inches span length as calculated above
L = **123.46** inches belt length
Y = **230** (constant for Y, Table 10 on page PT12-34)

$$\textit{Min Deflection Force} = \frac{1.1(636.0) + \left(\frac{50.04}{123.46}\right)(230)}{16}$$

Min. Deflection Force = 49.5 lb.

$$\textit{Max Deflection Force} = \frac{1.2\text{Tst} + \left(\frac{t}{L}\right)Y}{16}$$

$$\textit{Max Deflection Force} = \frac{1.2(636.0) + \left(\frac{50.04}{123.46}\right)(230)}{16}$$

Min. Deflection Force = 53.5 lb.

C. Determine the deflection distance using 1/64" per inch of span length.

NOTE: Deflection forces must be applied evenly across the entire belt width.

Example

$$\text{Deflection Distance} = \frac{t}{64}, \textit{ inches}$$

$$\text{Deflection Distance} = \frac{50.04}{64}$$

Deflection Distance = 0.78

D. Applying The Tension:

At the center of span (t), apply a force perpendicular to the belt span large enough to deflect the belt 0.78 inch from its normal free position. Be sure that the force is applied evenly across the entire belt width. Note that one sprocket should be free to rotate during the belt tensioning process.

Compare the measured deflection force with the range of minimum to maximum deflection forces calculated previously.

1. If the measured deflection force is less than the minimum recommended deflection force, the belt should be tightened.

2. If the measured deflection force is greater than the maximum recommended deflection force, the belt should be loosened.

Example

When the Ore Conveyer belt drive is properly tensioned, a belt span deflection of 0.78 in. should require a deflection force within the range of 49.5 to 53.5 lb.

Step 8 Verify Speed Reducer Overhung Load

Procedure

An Overhung Load calculation verifies that the belt drive system will not overload the speed reducer shaft and bearings. The Overhung Load calculation for speed reducers varies from manufacturer to manufacturer. Please refer to speed reducer catalogs or contact the speed reducer manufacturer for further assistance.

Low-Speed HT500 Belt Drive Selection Procedure

Advantages of the Low-Speed Drive Design Procedure

Having read through the Low-Speed Drive Design Procedure and example, some may wonder if the extra steps required are really worth the effort. Absolutely! Using the low-speed drive design techniques for drives operating at speeds less than 500 rpm can result in a much smaller drive package at a lower cost. Outlined below is a comparison of the Low-Speed Drive Design Procedure with the traditional drive design procedure. The benefits of designing with a Low Speed Service Factor, Actual Horsepower Load, and Speed Reducer Efficiency are demonstrated. Combining these techniques can result in a substantially narrower belt drive width which saves space and reduces cost.

Comparison 1 — Traditional Drive Design Procedure

The traditional drive design procedure is outlined on pages PT12-28 - PT12-31 and should still be used for belt drives operating at speeds greater than 500 rpm. In the past this procedure was used to select all HT500 belt drives. The new "Low-Speed Drive Design Procedure" results in belt drive systems better sized for low speed power transmission system that typically utilize speed reducers and roller chain.

Using the traditional design procedure to select the belt drive system for the Ore Conveyor example would result in a much wider belt. The traditional design procedure does not account for a low-speed service factor, the actual operating load of the motor, or speed reducer efficiency. Rather, the belt selection is based purely on the name plate horsepower rating of the motor with a standard service factor. For the Ore Conveyor example this would mean a 5 hp name plate rating and a 1.7 service factor resulting in a Design Horsepower for the belt drive of (5.00 hp) x (1.7) = 8.50 hp. This is over 4 times the Design Horsepower of 2.07 hp determined using the Low-Speed Drive Design Procedure. Referring to the Horsepower Rating Tables on pages PT12-38 - PT12-46, **a belt width of 68mm is required for this higher 8.50 Design Horsepower Load using the Traditional Design Method compared to a belt width of only 20mm for the 2.07 Design Horsepower Load using the Low-Speed Design Method.**

Comparison 2 — Benefit of Low-Speed Service Factor

Using a low-speed service factor can reduce the required belt width compared to a standard service factor value. The reason for this is directly related to belt drive operating speeds. Detrimental effects such as belt tensile cord fatigue and belt wear both occur during belt drive operation, but accumulate in direct proportion to the operating speed. Lower operating speeds result in less belt damage over time allowing the use of less severe service factors in the belt drive selection process. Service factors especially for belt drives operating at low speeds (500 rpm and less; includes many roller chain applications) are provided in Table 1—Service Factors For Low-Speed Roller Chain Drive Conversions on page PT12-19.

Referring to the Ore Conveyor Example, a low-speed service factor of 1.3 is recommended for this application. Substituting the reduced 1.3 low-speed service factor: Design Horsepower = (5.00 hp) x (1.3) = 6.50 hp. Referring to the Horsepower Rating Tables on pages PT12-38 - PT12-46, **the belt width required for 6.50 Design Horsepower is 68mm.**

Comparison 3—Benefit of Designing with Actual Motor Load

Typical belt drive selections are based upon motor nameplate horsepower ratings. However, industry surveys estimate that half of all U.S. motors operate at less than 60 percent of their rated load, and one third operate at below 50 percent of their rated load. So, sizing belt drives based on true operating loads can result in a more compact sized belt drive system.

Continuing with the Ore Conveyor Example, the Proportioned Amperage Rating approach was used to calculate a Motor Load of 3.00 hp. Substituting the reduced 3.00 hp motor load: Design Horsepower = (3.00 hp) x (1.3) = 3.90 hp. Referring to the Horsepower Rating Tables on pages PT12-38 - PT12-46, **the belt width required for 3.90 Design Horsepower is only 37mm compared to the 68mm belt width required in Comparison 2**.

DODGE

Low-Speed Drive Design information Sheet

For Drive Selections with Shaft Speeds Less Than 500 rpm

Distributor _____

Customer: _____

Drive Identification (location, number, etc.) _____

DriveR Information:

Motor Nameplate Data

Rated Horsepower = _____ Rated RPM = _____ Efficiency = _____

Rated Voltage = _____ Rated Amps = _____ Rated Torque = _____

Actual Motor Load = _____

Motor Type: AC ❑ DC ❑ Gear Motor ❑

Output Speed: Constant ❑ Variable ❑

Reducer Information:

Reducer Type (worm, right angle helical, cycloidal, etc):

Reducer Efficiency = _____ Output RPM = _____ Reducer Ratio = _____

Rated Input HP/Torque = _____ Rated Output HP/Torque = _____

Existing Drive Information:

Drive Type: Chain ❑ V-Belt ❑ Synchronous Belt ❑

If chain, type; 2/#60. #80, etc. Lubed ❑ Unlubed ❑

Current Drive Service Life = _____

DriveR Sprocket/Sheave = _____ (teeth/OD) _____ DriveR Shaft Diameter = _____

DriveN Sprocket/Sheave = _____ (teeth/OD) _____ DriveN Shaft Diameter = _____

Center Distance= _____ + _____ - _____

Type of Center Distance Adjustment: _____

Idler used: Yes ❑ No ❑ Inside ❑ Backside ❑

DriveN Information:

Type of Equipment: _____ Actual Horsepower Required = _____

DriveN RPM = _____

Hours/Day = _____ Days/Week = _____ Weeks/Year = _____

Special Requirements:

Space Limitations:

Maximum DriveR Dia. = _____ Maximim DriveN Dia = _____

Maximum DriveR Width = _____ Maximum DriveN Width = _____

Environmental Conditions:

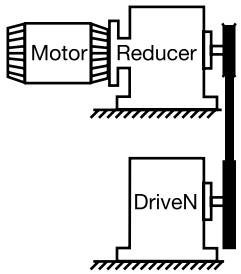
Temperature Range = _____ Belt Conductivity Required ❑

Oil Mist ❑ Oil Splash ❑ Moisture ❑ Abrasives ❑

Drive Layout

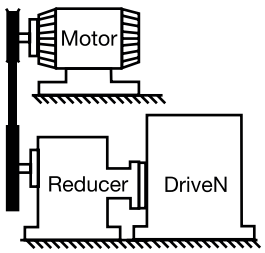
(check one)

❑ Motor Reducer Belt Drive Driven



Belt Drive on Reducer Output Shaft

❑ Motor Belt Drive Reducer Driven



Belt Drive on Reducer Imput Shaft

SELECTION

DODGE

High-Speed Drive Survey and Energy Savings Worksheet

Customer Information

Company: _____ Distributor: _____

Address: _____ Phone:_____ Fax:_____

_____ E-mail: _____

Drive Information

I.D. of Drive (location, number, etc.) _____

Description of DriveN Equipment _____

Manufacturer of DriveN Equipment _____

Horsepower rating of Motor _____ DriveN HP Load (Peak)_____

(Normal)_____

Motor Frame Size_____ Motor Shaft Dia. _____ DriveN Shaft Dia_____

Speed:

DriveR RPM_____ RPM Measured with Contact or Strobe Tachometer ❑ Yes ❑ No

DriveN RPM_____ RPM Measured with Contact or Strobe Tachometer ❑ Yes ❑ No

Speed Ratio_____ Speed Up_____or Speed Down_____

Center Distance: Minimum _____ Normal _____Maximum_____

Existing Drive Components: DriveR_____ DriveN_____

Belts_____ Belt Manufacturer_____

Ambient Conditions:

Temperature_____ Moisture_____ Oil, etc._____

Abrasives _____ Shock Load_____

Static Conductivity Required? ❑ Yes ❑ No

Maximum Sprocket Diameter (OD) and Width Limitations (for guard clearance):

DriveR: Max. OD_____Max. Width _____ DriveN: Max. OD _____ Max Width_____

Guard Description _____

Motor Mount:

Double Screw Base? ❑ Yes ❑ No Motor Mounted on Sheet Metal? ❑ Yes ❑ No

Adequate Structure? ❑ Yes ❑ No Floating/Pivot Motor Base? ❑ Yes ❑ No

Start Up Load:

% Motor Rating at Start Up_____ AC Inverter ❑ Yes ❑ No Soft Start? ❑ Yes ❑ No

Duty Cycle:

Number of Starts/Stops_____times per _____ (hour, day, week, etc.)

Energy Savings Information

Energy Cost per KW-Hour_____

Hours of Operation_____ Hours per Day _____ Days per Week_____Weeks per Year_____

DODGE

HT500 Design Data Worksheet

Customer Information

Company: _____ Distributor: _____

Address: _____ Phone: _____ Fax: _____

_____ E-mail: _____

Application Summary

General Description: _____

Product Type: _____ Production Volume: _____

Design Parameters

DriveR:

Motor Type & Description: _____(Servo, Stepper, DC, AC, etc.) Reversing: _____(Y/N)

Nominal Motor Torque/Power Output: _____ RPM: _____

Max/Peak Motor Torque/Power Output: _____ RPM: _____

Motor Stall Torque (If applicable): _____ Driver Rotation: _____ (CW / CCW / Rev)

DriveN's/Idlers: (Specify appropriate units for each field; in, mm / hp, kw / lb-ft, lb-in, N-m, etc.)

Description	X	Y	Pulley Diameter	Pitch		Sprocket Teeth	Inside/ Outside	rpm	Load (driveN)	Units	Conditions		Shaft Diameter
											#	% Time	
DriveR													

Note: For complex drive layouts use additional pages as needed

Drive Sketch

Idler Details

Slot Movement:

Spring ☐

Min Position		Max Position	
X	Y	X	Y

Pivoting Movement:

Spring ☐

Pivot Arm Radius: (in/mm):

Pivot point		Mouvement Angle	
X	Y	Min Deg	Max Deg

Special Requirements

Product Design Life: _____ Belt Life: _____ Hours/Day: _____ Hours/Year: _____

Pulley Materials:

Prototype _____ Production _____

Ambient Conditions:

Temperature: _____ Moisture: _____ Oil: _____ Static Dissipation: _____ Abrasives: _____

Special Requirements:

Note: This worksheet may be used to survey multipoint drives. For more information on specifying shaft locations in multipoint drive layouts, see Engineering Section I-13 on page PT12-82

Page _____ Of _____

SELECTION

HT500 Drive Selection Procedure (Continued)

1. Calculate the Design Horsepower
2. Select the Belt Pitch
3. Select the Sprockets And Belt Length
4. Select the Proper Belt Width
5. Check and Specify Stock Drive Component
6. Installation and Take-up
7. Calculate Belt Tensioning Requirements

Sample Drive Selection Problem

A gear pump is to be driven by a 30 hp normal torque electric motor with an output speed of 1160 rpm. The gear pump is to be driven at 580 rpm ±5%. The center distance is to be approximately 30 inches, but can be altered ±3 inches, if necessary. The motor shaft has a 2 1/8 inch O.D. and the pump shaft has a 3 inch O.D. The pump will operate 16 hours a day, five days a week. The pump sprocket is limited to a maximum of 18 inches O.D. There are no unusual drive conditions. Design using HT500.

Step 1 Calculate The Design Horsepower

Procedure

To calculate the design horsepower, first determine the relative severity, then select a service factor for the drive. Average hours per day of service also should be considered. Locate the power source and the driveN unit in the Service Factor Table on page PT12-33. The design hp then is determined by multiplying the rated hp (usually the nameplate rating) by the service factor determined above.

Example

Using the Service Factor Table, the driveR can be found in the first group. Since the pump will run 16 hours per day, follow the continuous service column down to the driveN machines group for gear pumps. The recommended Service Factor is 1.7.

Design Horsepower = (Motor Load) x (Service Factor)
= (30) x (1.7)
Design Horsepower = 51 hp

Step 2 Select The Belt Pitch

Procedure

Using the design hp and the rpm of the smaller sprocket, select the belt pitch from the Belt Pitch Selection Guide on page PT12-31.

Example
Design Horsepower = **51 hp**
Motor Speed = **1160 rpm**

Locate 1160 rpm on the "RPM of Faster Shaft" scale on the left side of the chart and move over to where the 51 Design Horsepower line intersects. The intersection falls within the 8mm pitch range, but near the 14mm pitch area. Both 8mm and 14mm pitch drives should be considered.

Step 3 Select The Sprockets and Belt Length

Procedure

A. Determine the speed ratio: The speed ratio can be calculated by dividing the rpm of the faster shaft by the rpm of the slower shaft.

Example

Motor Speed = 1160 rpm
Gear Pump Speed = 580 rpm

$$\textit{Speed Ratio} = \frac{\textit{rpm of faster shaft}}{\textit{rpm of slower shaft}} = \frac{1160}{580} = 2.00$$

B. Select the sprocket combination and belt length: Referring to the Stock Drive Selection Tables on pages PT12-47 - PT12-76, find the proper set of tables for the belt pitch (8mm or 14mm) found in Step 2. Looking down the speed ratio column, find the value which most closely matches the belt drive speed ratio required. Reading across the selected speed ratio line, find the stock DriveR and DriveN sprocket combination available. Reading further across, locate the belt drive center distance which most closely matches the target center distance specified. The belt sizes are listed across the top of the table for each corresponding center distance.

Multiple sprocket combinations will often be available for a given speed ratio. In such cases, selection of the proper drive combination will depend on the center distance required, minimum or maximum required sprocket diameters and the recommended minimum sprocket diameter for electric motors (see Table 4 on page PT12-32).

After selecting possible sprocket combinations and center distances, record the belt length (top of column) and the length factor (bottom of column).

Example

Belt pitch = **8mm and 14mm**

Belt Drive Speed Ratio = **2.00**

Center Distance = **30.00 ± 3.00 in.**

First, refer to the 8mm Pitch Stock Drive Selection Tables on pages PT12-47 - PT12-76. Reading down the Speed Ratio column locate 2.00 on page PT12-57. There are six various sprocket combinations within the allowable center distance range. Of these, two are closest to the desired 30 inches. These are 25 to 50 teeth, and 40 to 80 teeth sprocket combinations. The minimum sprocket diameter of 6.1 inches for a 30 hp motor at 1160 rpm (See Table 4 on page PT12-32) eliminates the 25 to 50 and 40 to 80 teeth sprocket combinations. Therefore, an 8mm pitch drive will not be utilized for this drive system.

Now refer to the 14mm Pitch Stock Drive Selection Tables on pages PT12-63 - PT12-76. Reading down the Speed Ratio Column locate 2.00 on page PT12-71. Several combinations are shown which will meet the 30 ± 3 inch center distance requirement. The maximum O.D. limit of 18 inches on the driveN sprocket eliminates the 56 to 112 teeth combination. The preference for a center distance close to 30 inches would favor the 40 to 80 and 28 to 56 teeth combinations. However, the 4.912 inch pitch diameter of the 28 teeth sprocket is less than the recommended minimum diameter of 6.1 inches for the electric motor. **So the 40 teeth DriveR sprocket, 80 teeth DriveN sprocket, and 2380-14MX (170 teeth) belt** combination is selected. Also note that the **Belt Length Correction Factor is 1.01 with a center distance of 30.11 inches.**

HT500 Drive Selection Procedure (Continued)

C. Check the belt speed. Do not exceed 6500 fpm (feet per minute) with stock sprockets. Belt Speed can be calculated using the following formula:

$$V\ (fpm) = PD\ (inches) \times \frac{Speed\ (rpm)}{3.82}$$

Example

14mm Pitch Drive with 40 groove driveR:

$$V = \frac{7.018 \times 1160}{3.82} = 2131.1\ fpm$$

Calculating the belt speed for the drive system being considered shows that the belt speed does not exceed 6500 fpm and can be considered further.

Step 4 Select The Proper Belt Width

Procedure

Horsepower Rating Tables are located on Pages PT12-38 - PT12-46 for standard belt pitches and stock belt widths. The base horsepower rating is given in the upper table as a function of the speed (rpm) of the faster shaft and diameter of the small sprocket. The speed of the faster shaft is located in the left hand column. Across the top are various stock sprocket sizes. The base horsepower rating of a given sprocket, at a specific speed, is the point at which the "rpm" row and the "sprocket size" column intersect.

This base horsepower rating must be corrected for speed down speed ratios, and for the belt length selected. The following formula should be used to calculate the total drive horsepower rating:

Rated Drive Horsepower = [Rated Base Horsepower

+ Additional Horsepower for Speed Ratio]

x (Belt Length Correction Factor)

Referring to the Additional Horsepower for Speed Ratio Factor Table, select a value based upon the drive operating speed and the speed ratio. This value should be added to the base horsepower rating. Multiply the corrected rating by the applicable Belt Length Correction Factor determined in Step 3B or from the Belt Length Correction Factor Table. The drive horsepower rating must equal or exceed design horsepower.

Where there are several choices, space limitations may control the selection. In addition, the following guidelines should be considered:

1. Larger sprockets result in reduced belt width.
2. Larger sprockets yield longer drive service life.
3. Avoid drives where the belt width exceeds the smaller sprocket diameter.
4. Avoid drives where center distance is greater than 8 times the diameter of the smaller sprocket.

Example

Refer to the 14mm pitch Horsepower Rating Table for 20mm Wide belts on page PT12-42. Read down the left hand column for "RPM of Faster Shaft" and locate 1160 rpm. Read the sprocket sizes listed across the top of the table and locate the 40 teeth, 5.614 inch P.D. column. Read across the "RPM" row and down the sprocket size column until the two intersect at a **Rated Base Horsepower of 60.0 hp.**

Next, referencing the Additional Horsepower for Speed Ratio Factor Table, find the listing for a 2.00 speed ratio. An **add-on factor of 3.53 hp** is listed. Then, referencing the Belt Length Correction Factor Table, find the listing for a 2380-14MX belt. A **correction factor of 1.01** is listed.

Calculate the Corrected Horsepower Rating:
Rated Drive Horsepower =
[Rated Base Horsepower + Added HP for Speed Ratio] x
(Belt Length Correction Factor) = [60.0 hp + 3.53 hp] x (1.01)

Rated Drive Horsepower = 64.17 hp

The Drive Horsepower Rating of 64.17 hp exceeds the Design Horsepower target of 51 hp. So, a belt width of 20mm is acceptable.

Step 5 Check and Specify Stock Drive Components

Procedure

A. Check the sprockets selected in Steps 3 and 4 against the design requirements using the dimensions provided in the Sprocket Specification Tables on pages PT12-6 - PT12-13. Use flange diameters when checking against maximum diameter requirements.

Example

From the table on page PT12-9, we find the 14MX-80S-20 driveN Sprocket has an overall flange diameter of 14.620 inches, which is less than the 18 inch maximum diameter specified.

B. Determine the bushing size required for each sprocket and check bore sizes by using the Sprocket Specification Tables. From the Stock Bushing tables on pages PT12-80 - PT12-85, check the bore range and keyway dimensions against the design requirements.

Example

Also from the sprocket data on page PT12-9 we note that the 14MX-40S-20 sprocket requires a 2517 bushing and the 14MX-80S-20 sprocket requires a 3525 bushing. In the bushing table on pages PT12-81 - PT12-83, a 2517 bushing has a bore range of 1/2 to 2-11/16 inches, which includes the 2-1/8 inch bore required for the driveR shaft. The 3525 bushing has a bore range from 1-3/16 to 3-15/16 inches, which includes the 3 inch bore required for the driveN shaft.

C. Specify stock drive components using proper designations.

Example

Stock drive components are as follows:
1 ea. 2380-14MX-20 HT500 belt
1 ea. 14MX-40S-20 driveR sprocket
1 ea. 2517 Bushing with a 2-1/8 in. bore
1 ea. 14MX-80S-20 driveN sprocket
1 ea. 3525 Bushing with a 3 in. bore

SELECTION

HT500 Drive Selection Procedure (Continued)

Step 6 Installation and Takeup

Procedure

Because of its high resistance to elongation (stretch), there is no need to re-tension and take up a HT500 belt drive. However, some adjustment must be provided when installing synchronous belt drives, as with nearly all power transmission systems, to account for manufacturing and assembly tolerances and initial tensioning requirements. Table 11 on page PT12-36 lists the standard installation and take-up requirements for a given belt length. Additional center distance adjustment is needed when installing the belt over flanged sprockets (see Table 11 on page PT12-36.)

Example

As can be seen in the Sprocket Specifications Table on page PT12-9, both of the sprockets are flanged. Therefore, an additional allowance will be needed for installation over flanged sprockets. The total installation and tensioning allowances, are shown below.

Installation Allowance = 0.13 in. + 1.97 in. = 2.10 in

Tensioning Allowance = 0.04 in.

Subtracting this from the nominal center distance value gives a minimum center distance necessary for belt installation of (30.11 inch -2.10 inch) = 28.10 inches. From the problem statement, the center distance can be reduced down to 27.0 in. if necessary. **So, there is sufficient center distance adjustment to easily install the belt.**

Step 7 Calculate Belt Tensioning Requirements

Procedure

A. Calculate base static tension using appropriate Formula 14 on page PT12-34. The m value is listed in Table 10 on page PT12-34.

Example

Belt Pitch = 14mm
Belt Size = 2380-14MX, 170 teeth (93.70 in. P.L.)
Belt Width = 20mm
DriveR Sprocket = 40 teeth (7.018 in. P.D.)
DriveR Shaft Speed = 1160 rpm
DriveN Sprocket = 80 teeth (14.036 in. P.D.)
Actual Center Distance = 30.11 in.
Design Horsepower = 51 hp

$$TST = \frac{20\ HP}{S} + mS2, \text{ pounds}$$

Where:

HP = Horsepower = 30 hp
m = 0.92, constant for 14mm pitch, 20mm wide belt from Table 10 on page PT12-34
S = (Sprocket Diameter) x (Shaft Speed) / 3822.76
= (7.018 in.) x (1160 rpm) / 3822.76
S = 2.13

$$TST = \frac{20\ (30)}{213} + (0.92)(2.13)2$$

TST = 281.69 + 4.17 lb.

TST = 285.86 lb.

B. **Calculate minimum and maximum deflection forces** using Formulas 15 and 16 on page PT12-35. The Y value is listed in Table 10.

Example

a. Calculate the belt span length

$$t = \sqrt{C^2 - \left(\frac{D-d}{2}\right)^2}$$

where:

t = Span Length, inches

C = Center Distance = **30.11 in.**

D = diameter of larger sprocket = **14.036 in. P.D.**

d = diameter of smaller sprocket = **7.018 in. P.D.**

$$t = \sqrt{30.11^2 - \left(\frac{14.036 - 7.0181}{2}\right)^2}$$

b. Calculate Minimum and Maximum belt deflection forces referring to Formulas 15 and 16 on page PT12-35:

$$\textit{Min Deflection Force} = \frac{1.1\text{st} + \left(\frac{t}{L}\right) Y}{16}$$

16

where:

TST = **285.86** pounds static tension as calculated before
t = **29.90** inches span length as calculated before
L = **93.70** inches belt length
Y = **230** (constant for Table 10 on page PT12-34)

$$\text{Min Deflection Force} = \frac{1.1(285.86) + \left(\frac{29.90}{93.70}\right)(230)}{16}$$

Min. Deflection Force = 24.24 lb.

$$\text{Max Deflection Force} = \frac{1.2\text{Tst} + \left(\frac{t}{L}\right) Y}{16}$$

$$\text{Max Deflection Force} = \frac{1.2(685.86) + \left(\frac{29.90}{93.70}\right)(230)}{16}$$

Max. Deflection Force = 26.03 lb.

HT500 Drive Selection Procedure (Continued)

Step 7 Calculate Belt Tensioning Requirements

Procedure - continued

C. Determine the deflection distance using 1/64" per inch of span length.

NOTE: Deflection forces must be applied evenly across the entire belt width.

Example

$$\text{Deflection Distance} = \frac{t}{64}\text{, inches}$$

$$\text{Deflection Distance} = \frac{29.9}{64}$$

D. Applying The Tension:

At the center of span (t), apply a measured force perpendicular to the belt span large enough to deflect the belt 0.47 inch from its normal free position. Be sure that the force is applied evenly across the entire belt width. Note that one sprocket should be free to rotate during the belt tensioning process.

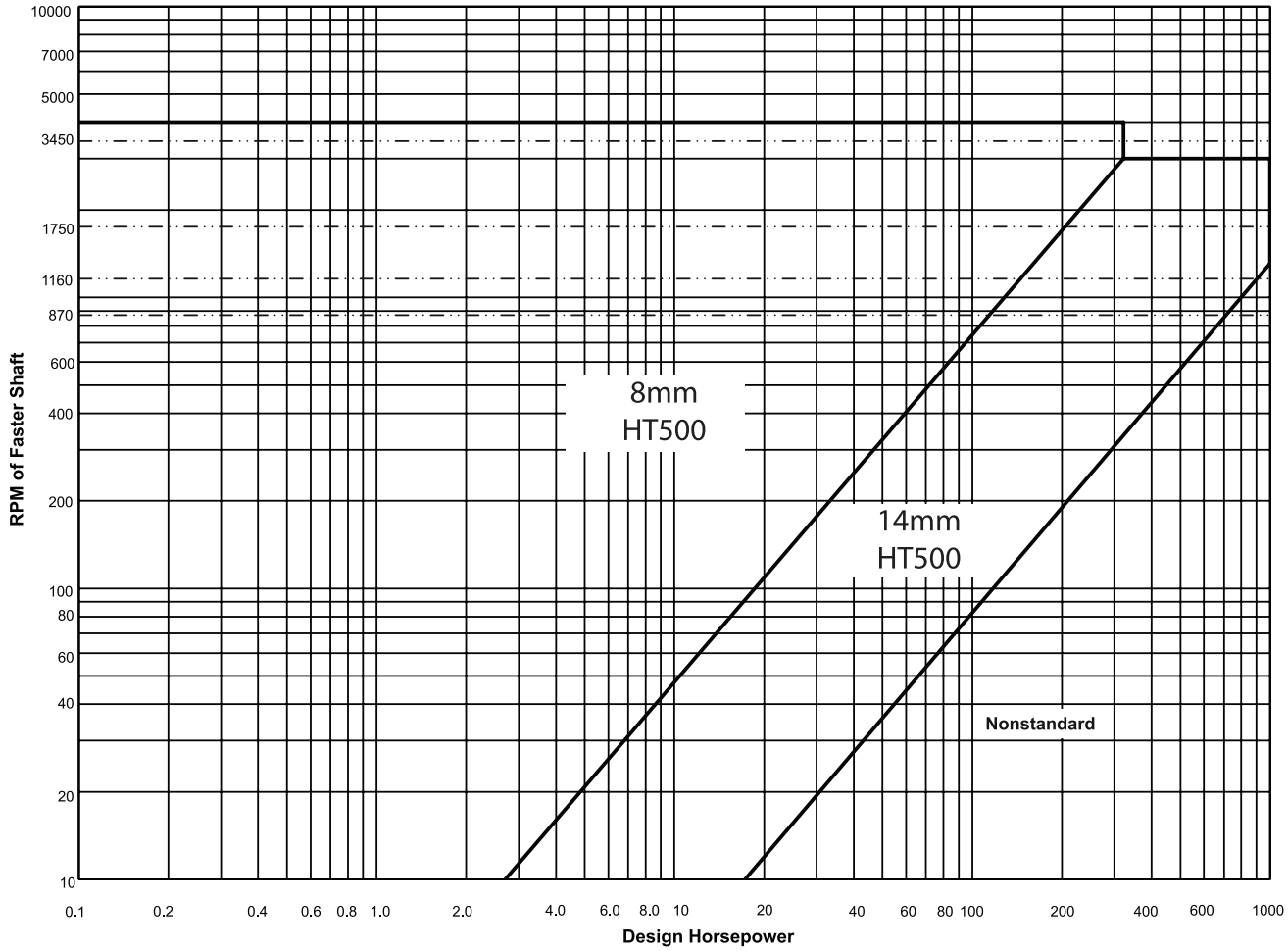
Compare the measured deflection force with the range of minimum to maximum deflection forces calculated before.

1. **If the measured deflection force is less than the minimum recommended deflection force, the belt should be tightened.**
2. **If the measured deflection force is greater than the maximum recommended deflection force, the belt should be loosened.**

Example

When the Gear Pump belt drive is properly tensioned, a belt span deflection of 0.47 in. should require a deflection force within the range of 22.34 to 24.12 lb.

Belt Pitch Selection Guide



SELECTION

Table 4
Minimum Recommended Sprocket Pitch Diameters for General Purpose Electric Motors Synchronous Belt Drives

For a given motor horsepower and speed, the total belt pull is related to the motor sprocket size. As this size decreases, the total belt pull increases. Therefore, to limit the resultant load on motor shaft and bearings, NEMA lists minimum sprocket sizes for the various motors. The sprocket on the motor (DriveR sheave) should be at least as large as the diameter specified in Table No. 4.

Motor Horsepower	Motor RPM (60 Cycle and 50 Cycle Electric Motors)						Motor Horsepower
	575 485*	690 575*	870 725*	1160 950*	1750 1425*	3450 2850*	
1/2	—	—	2.0	—	—	—	1/2
3/4	—	—	2.2	2.0	—	—	3/4
1	2.7	2.3	2.2	2.2	2.0	—	1
1-1/2	2.7	2.7	2.2	2.2	2.2	2.0	1-1/2
2	3.4	2.7	2.7	2.2	2.2	2.2	2
3	4.1	3.4	2.7	2.7	2.2	2.2	3
5	4.1	4.1	3.4	2.7	2.7	2.2	5
7-1/2	4.7	4.1	4.0	3.4	2.7	2.7	7-1/2
10	5.4	4.7	4.0	4.0	3.4	2.7	10
15	6.1	5.4	4.7	4.0	4.0	4.0	15
20	7.4	6.1	5.4	4.7	4.0	2.2	20
25	8.1	7.4	6.1	5.4	4.0	4.0	25
30	9.0	8.1	6.1	6.1	4.7	—	30
40	9.0	9.0	7.4	6.1	5.4	—	40
50	9.9	9.0	7.6	7.4	6.1	—	50
60	10.8	9.9	9.0	7.2	6.7	—	60
75	12.6	11.7	8.6	9.0	7.7	—	75
100	16.2	13.5	10.8	9.0	7.7	—	100
125	18.0	16.2	13.5	10.8	9.5#	—	125
150	19.8	18.0	16.2	11.7	9.5	—	150
200	19.8	19.8	19.8	—	11.9	—	200
250	19.8	19.8	—	—	—	—	250
300	24.3	24.3	—	—	—	—	300

* These RPM are for 50 cycle electric motors.
# Use 8.6 for Frame Number 444 T only.

Data in the white area of Table No. 4 are from NEMA Standard MG-1-14-42, June, 1972. Data in the gray area are from MG-1-14-43, January, 1968. The blue area is a composite of electric motor manufacturers data. They are generally conservative, and specific motors and bearings may permit the use of a smaller motor sprocket. Consult the motor manufacturer.

DriveN Machine	DriveR					
The driveN machines listed below are representative samples only. Select a driveN machine whose load characteristics most closely approximate those of the machine being considered.	AC Motors: Normal Torque, Squirrel Cage, Synchronous, Split Phase, Inverter Controlled DC Motors: Shunt Wound, Stepper Motors Engines: Multiple Cylinder Internal Combustion.			AC Motors: High Torque, High Slip, Repulsion-Induction, Single Phase, Series, Wound, Slip Ring. DC Motors: Series Wound, Compound, Wound, Servo Motors. Engines: Single Cylinder Internal, Combustion. Line shafts Clutches		
	Intermittent Service	**Normal Service**	**Continuous Service**	**Intermittent Service**	**Normal Service**	**Continuous Service**
	Up to 8 Hours Daily or Seasonal	**8-16 Hours Daily**	**16-24 Hours Daily**	**Up to 8 Hours Daily or Seasonal**	**8-16 Hours Daily**	**16-24 Hours Daily**
Display, Dispensing Equipment Instrumentation Measuring Equipment Medical Equipment Office, Projection Equipment	1.0	1.2	1.4	1.2	1.4	1.6
Appliances, Sweepers, Sewing Machines Screens, Oven Screens, Drum, Conical Woodworking Equipment: (Light) Band Saws, Drills, Lathes	1.1	1.3	1.5	1.3	1.5	1.7
Agitators for Liquids Conveyors: Belt, Light Package Drill Press, Lathes, Saws Laundry Machinery Woodworking Equipment: (Heavy) Circular Saws, Joiners, Planers	1.2	1.4	1.6	1.6	1.8	2.0
Agitators: Semi-liquid Compressors: Centrifugal Conveyor Belt: Coal, Ore, Sand Dough Mixers Line Shafts Machine Tools: Grinder, Shaper Boring Mill, Milling Machines Paper Machinery (except Pulpers) Presses, Punches, Shears Printing Machinery Pumps: Centrifugal, Gear Screens: Revolving, Vibratory	1.3	1.5	1.7	1.6	1.8	2.0
Brick Machinery (except Pug Mills) Conveyor: Apron, Pan, Bucket, Elevator Extractors, Washers Fans, Centrifugal Blowers Generators & Exciters Hoists Rubber Calendar, Mills, Extruders	1.4	1.6	1.8	1.8	2.0	2.2
Centrifuges Screw Conveyors Hammer Mills Paper Pulpers Textile Machinery	1.5	1.7	1.9	1.9	2.1	2.3
Blowers: Positive Displacement Mine Fans Pulverizers	1.6	1.8	2.0	2.0	2.2	2.4
Compressors, Reciprocating Crushers: Gyratory, Jaw, Roll Mills: Ball, Rod, Pebble, etc. Pumps, Reciprocating Saw Mill Equipment	1.7	1.9	2.1	2.1	2.3	2.5

SELECTION

These tolerances are for reference only. For fixed center drive applications and special tolerances, contact Dodge Power Transmission Product Application.

Stock Belt Center Distance Tolerences

Belt Length (mm) (In)			Center Distance Tolerance (mm) (In)
over 127 **5**	to	254 **10**	± 0.20 **.008**
over 254 **10**	to	381 **15**	± 0.23 **.009**
over 381 **15**	to	508 **20**	± 0.25 **.010**
over 508 **20**	to	762 **30**	± 0.30 **.012**
over 762 **30**	to	1016 **40**	± 0.33 **.013**
over 1016 **40**	to	1270 **50**	± 0.38 **.015**
over 1270 **50**	to	1524 **60**	± 0.41 **.016**
over 1524 **60**	to	1778 **70**	± 0.43 **.017**
over 1778 **70**	to	2032 **80**	± 0.46 **.018**
over 2032 **80**	to	2286 **90**	± 0.49 **.019**
over 2286 **90**	to	2540 **100**	± 0.52 **.020**
over 2540 **100**	to	2794 **110**	± 0.54 **.021**
over 2794 **110**	to	3048 **120**	± 0.56 **.022**
over 3048 **120**	to	3302 **130**	± 0.58 **.023**
over 3302 **130**	to	3556 **140**	± 0.60 **.024**
over 3556 **140**	to	3810 **150**	± 0.63 **.025**
over 3810 **150**	to	4064 **160**	± 0.66 **.026**
over 4064 **160**	to	4318 **170**	± 0.69 **.027**
over 4318 **170**	to	4572 **180**	± 0.72 **.028**
over 4572 **180**			add ± .03 **.001** for every .254 **10** increment

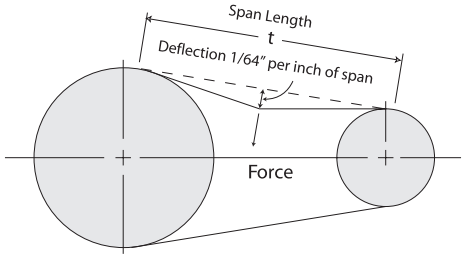
Standard Belt Tensioning Procedure

When installing a belt:

A. Be sure it is tensioned adequately to prevent tooth jumping (ratcheting) under the most severe load conditons which the drive will encounter during operation.

B. Avoid extrernely high tension which can reduce belt life and possibly damage bearings, shafts and other drive cornponents.

The proper way to check belt tension is to use a tension tester. Dodge has a variety of tension testers, ranging from the simple spring scale type tester to the sophisticated Sonic Tension Meter. The spring scale type tester is used by measuring how much force is requirec to deflect the belt at the center of his span by a specified distance (force deflection method), as shown in the sketch below.



The Sonic Tension Meter measures the vibration of the belt span and instantly converts the vibration frequency into belt static tension (span vibration method).

When you wish to use a numerical method for calculating recommended belt installation tension values, the following procedure may be used.

STEP 1: Calculate the required base static installation tension.

Use Formula 14 to calculate the required base static installation tension.

Formula 14

$$T_{SI} = \frac{20HP}{S} + mS^2$$

Where T_{SI} = base static installation tension. pounds
HP = Horsepower
$S = \frac{PD \times RPM}{3820}$
m = Value from table 10
PD = Sprocket Pitch Diameter, inches
RPM = Revolutions per minute of same sprocket

Table 10

Pitch	Belt Width	m	Y	minimum T_{si} (lb) per span
8mm	12mm	0.33	65	28
	21mm	0.57	113	49
	36mm	0.97	194	84
	62mm	1.68	335	145
14mm	20mm	0.92	230	119
	37mm	1.69	426	220
	68mm	3.11	782	405
	90mm	4.12	1035	536
	125mm	5.72	1438	744

Because of the high performance capabilities of HT500 belts, it is possible to design drives that have significantly greater load than are necessary to carry the actual design load. Consequently. Formula 14 can provide T_{st} values less than are necessary for the belt to operate properly, resulting in poor belt performance and reduced service life. If a more appropriately sized drive cannot be designed, minimum recommended T_{st} values are provided in Table 10 to assure that the belts function properly when lightly loaded.

Always use the greater T_{st} value; i.e., from T_{st} Formula 14 or Table 10.

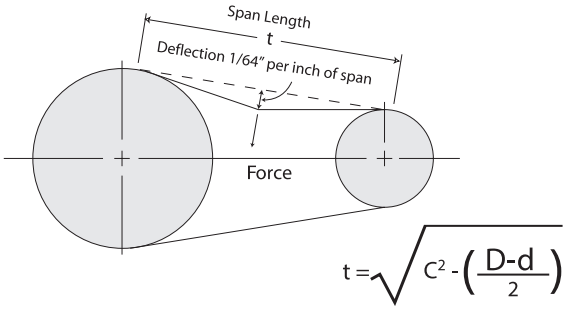
NOTE:When applying static belt tension values directly, multiply the required base static installation tension (T_{st}) calculated in Formula 14 by the following factors:

For New Belts:

Minimum Static Tension = Base Static Tension X 1.1
Maximum Static Tension = Base Static Tension X 1.2

For Used Belts:

Minimum Static Tension = Base Static Tension X 0.8
Maximum Static Tension = Base Static Tension X 0.9



$$t = \sqrt{C^2 - \left(\frac{D-d}{2}\right)}$$

STEP 2: Calculate the minimum and maximum recommended deflection forces.

A. Measure the span length of your drive (see sketch).
B. New belt minimum recommended force:

Formula 15

$$\text{deflection force, Min} = \frac{1.1\,T_{st} + \left(\frac{t}{L}\right) Y}{16}\text{,lb}$$

Formula 16

$$\text{deflection force, Max} = \frac{1.2\,T_{st} + \left(\frac{t}{L}\right) Y}{16}\text{,lb}$$

Where:

T_{st} = Base Static tension, lbf
t = span length, inches
L = belt pitch length, inches
Y = constant from Table 10

USED BELT NOTE: For re-installation of a used belt, a recommended tension of 0.8 T_{st} to 0.9 T_{st} value should be used in calculating the deflection forces, instead of the 1.1 T_{st} to 1.2 T_{st} shown for new belts.

STEP 3: Applying the tension

Force deflection tension method

A. At the center of the span (t) apply a force perpendicular to the span large enough to deflect the belt on the drive 1/64 inch per inch of span length from its normal position. One sprocket should be free to rotate. Be sure the force is applied evenly across the entire belt width. If the belt is a wide synchronous belt, place a piece of steel or angle iron across the belt width and deflect the entire width of the belt evenly.

B. Compare this deflection force with the range of forces calculated in Step 2.

1. If it is less than the minimum recommended deflection force, the belt should be tightened.
2. If it is greater than the maximum recommended deflection force, the belt should be loosened.

Span vibration tension method

The Sonic Tension Meter detects the vibration frequency in the belt span, and converts that measurement into the actual static tension in the belt.

To use the Sonic Tension Meter, begin by entering the belt unit weight, belt width, and the span length. To measure the span vibration, press the "'Measure" button on the meter, tap the belt span, and hold the microphone approximately 1/4" away from the back of the belt. The Sonic Tension Meter will display the static tension, and can also display the span vibration frequency.

The belt unit weights for use with the Sonic Tension Meter are shown in the following table.

Belt Product Family	Belt Cross section	Adjusted Belt Weight (grams/meter)
HT500 Belt	8mm	4.7
	14mm	7.9

Rim Speed Limits per MPTA Standard

Product Material	Maximum allowable RIM speed in FPM	
	Web / Arm Style	Block Style
Class 30 Gray Iron	6500	7500
Ductile Iron 65	8000	10000
Ductile Iron 80	10000	13000
Steel (1018)	9000	11000

(FPM=.626 x Dia. (inches) x RPM)

NOTE: Above rim speed values are maximum for normal considerations. In some cases these values may be exceeded. Consult factory and include complete details of proposed application.

Dynamic balance RPM = for Sheave/Sprocket ◊ $\dfrac{15600}{\sqrt{\text{Dia x Face Width}}}$

◊ Note: MPTA recommends Dynamic balance when application RPM exceeds this value

SELECTION

Center Distance Allowances for Installation and Tensioning

Since fixed center drives are not recommended, center distance allowances for a HT500 belt drive are necessary to assure that the belt can be installed without damage and then tensioned correctly. The standard installation allowance is the minimum decrease in center distance required to install a belt when flanged sprockets are removed from their shafts for belt installation. This is shown in the first column of Table 11. This table also lists the minimum increase in center distance required to assure that the belt can be properly tensioned overs its normal life time. If a belt is to be installed over flanged sprockets without removing them, the additional center distance allowance for installation shown in the second table below must be added to the first table data.

Table 11

Center Distance Allowance For Installation and Tensioning

Belt Length (mm) **(In)**	**Standard Installation Allowance (Flanged Sprocket removed for installation)** (mm) **(In)**	**Tension Allowance** (mm) **(In)**
up to 125 **5**	0.5 **0.02**	0.5 **0.02**
over 125 **5** to 250 **10**	0.8 **0.03**	0.8 **0.03**
over 250 **10** to 500 **20**	1.0 **0.04**	0.8 **0.03**
over 500 **20** to 1000 **40**	1.8 **0.07**	0.8 **0.03**
over 1000 **40** to 1780 **70**	2.8 **0.10**	0.8 **0.04**
over 1780 **70** to 2540 **100**	3.3 **0.13**	1.0 **0.04**
over 2540 **100** to 3300 **130**	4.1 **0.16**	1.3 **0.05**
over 3300 **130** to 4600 **180**	4.8 **0.19**	1.3 **0.05**
over 4600 **60** to 6900 **70**	5.6 **0.22**	1.3 **0.05**

Addtional Center Distance Allowance For Installation Over Flanged Sprockets*

(Add to Installation Allowance in table No 11)

Pitch	**One Sprocket** (mm) **Flanged** **(In)**	**Both Sprockets** (mm) **Flanged** **(In)**
8mm	21.8 **0.86**	33.3 **1.31**
14mm	31.2 **1.23**	50.0 **1.97**

*For drives that require installation of the belt over one sprocket at a time, use the value for "Both Sprockets Flanged"

Drive alignment

Provision should be made for center distance adjustment, according to the two tables on this page, or to change the idler position so the belt can be slipped easily onto the drive. When installing a belt, never force it over the flange. This will cause internal damage to the belt tensile member.

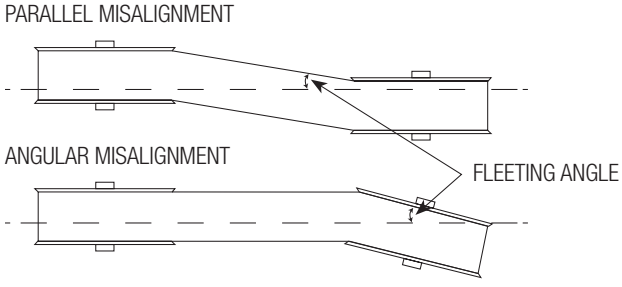
Synchronous belts typically are made with high modulus tensile members which provide length stability over the belt life. Consequently, misalignment does not allow equal load distribution across the entire belt top width. In a misaligned drive, the load is being carried by only a small portion of the belt top width, resulting in uneven belt wear and premature tensile failure.

There are two types of misalignment: parallel and angular (See Fig.7). Parallel misalignment is where the driveR and driveN shafts are parallel, but the two sprockets lie in different planes. When the two shafts are not parallel, the drive is angularly misaligned.

A fleeting angle is the angle at which the belt enters and exits the sprocket, and equals the sum of the parallel and angular misalignments.

Any degree of sprocket misalignment will result in some reduction of belt life, which is not accounted for in the normal drive design procedure. Misalignment of all synchronous belt drives should not exceed 1/4" or 1 /16" per foot of linear distance. Misalignment should be checked with a good straight edge or by using a laser alignment tool. The straight edge tool should be applied from driveR to driveN, and then from driveN to driveR so that the total effect of parallel and angular misalignment is made visible.

Figure 7



Drive misalignment can also cause belt tracking problems. However, light flange contact by the belt is normal and won't affect performance.

For those drives in which the center distance is greater than eight times the small sprocket diameter, belt tracking can be a problem. In these cases, the parallel position of the two sprockets may need to be adjusted until only one flange guides the belt in the system and the belt tracks fully on all sprockets. Regardless of the drive center distance, the optimum drive performance will occur with the belt lightly contacting one flange in the system. The worst case is for the belt to contact flanges on opposite sides of the system. This traps the belt between opposite flanges and can force the belt into undesirable parallel misalignment.

NOTES

SELECTION

DODGE

HT500 Basic HP Ratings - 8mm

8M-12	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																							
RPM	22	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	44	45	48	50
Small Shaft	2.210	2.410	2.506	2.610	2.707	2.810	2.907	3.010	3.108	3.210	3.308	3.410	3.509	3.610	3.709	3.810	3.910	4.010	4.110	4.211	4.410	4.511	4.810	5.013
10	0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.30	0.31	0.32	0.33	0.35	0.36	0.38	0.40
20	0.23	0.26	0.27	0.29	0.30	0.32	0.33	0.35	0.36	0.38	0.39	0.41	0.42	0.44	0.45	0.47	0.48	0.50	0.51	0.53	0.55	0.57	0.61	0.64
40	0.39	0.44	0.47	0.49	0.52	0.54	0.57	0.59	0.62	0.64	0.67	0.69	0.72	0.74	0.77	0.79	0.82	0.84	0.87	0.89	0.94	0.97	1.04	1.09
50	0.46	0.52	0.55	0.58	0.61	0.64	0.67	0.70	0.73	0.76	0.79	0.82	0.85	0.88	0.91	0.94	0.97	1.00	1.03	1.06	1.12	1.15	1.24	1.30
60	0.53	0.60	0.64	0.67	0.71	0.74	0.78	0.81	0.85	0.88	0.92	0.96	1.00	1.03	1.07	1.10	1.14	1.17	1.21	1.24	1.31	1.34	1.44	1.51
100	0.80	0.91	0.96	1.02	1.07	1.13	1.18	1.24	1.29	1.35	1.40	1.46	1.51	1.57	1.62	1.68	1.73	1.79	1.85	1.90	2.01	2.07	2.23	2.34
200	1.42	1.63	1.74	1.84	1.95	2.05	2.16	2.26	2.36	2.46	2.57	2.67	2.77	2.87	2.97	3.07	3.18	3.28	3.38	3.48	3.68	3.78	4.08	4.28
300	2.02	2.32	2.46	2.62	2.77	2.92	3.07	3.22	3.36	3.51	3.66	3.81	3.96	4.11	4.25	4.40	4.54	4.69	4.84	4.99	5.28	5.43	5.86	6.15
400	2.58	2.98	3.18	3.37	3.57	3.76	3.96	4.15	4.34	4.53	4.73	4.92	5.11	5.30	5.50	5.69	5.88	6.07	6.26	6.45	6.83	7.02	7.59	7.97
500	3.13	3.62	3.85	4.10	4.33	4.58	4.81	5.06	5.29	5.53	5.76	6.00	6.24	6.48	6.71	6.95	7.18	7.41	7.65	7.88	8.35	8.58	9.27	9.74
600	3.67	4.24	4.53	4.81	5.10	5.38	5.66	5.94	6.23	6.51	6.79	7.07	7.35	7.62	7.90	8.18	8.46	8.73	9.01	9.29	9.84	10.11	10.93	11.48
700	4.20	4.86	5.17	5.51	5.83	6.17	6.49	6.82	7.14	7.47	7.78	8.11	8.43	8.75	9.07	9.39	9.71	10.03	10.35	10.67	11.30	11.62	12.57	13.20
800	4.71	5.46	5.83	6.20	6.57	6.94	7.31	7.68	8.05	8.41	8.78	9.14	9.51	9.87	10.23	10.59	10.95	11.31	11.67	12.03	12.75	13.11	14.18	14.89
870	5.07	5.88	6.27	6.68	7.07	7.48	7.86	8.27	8.66	9.07	9.45	9.85	10.24	10.64	11.03	11.42	11.81	12.20	12.59	12.98	13.75	14.14	15.30	16.08
1000	5.72	6.64	7.10	7.55	8.01	8.46	8.92	9.37	9.82	10.27	10.72	11.16	11.61	12.06	12.51	12.95	13.39	13.83	14.27	14.72	15.60	16.04	17.35	18.22
1160	6.51	7.56	8.07	8.61	9.11	9.65	10.16	10.69	11.19	11.72	12.23	12.75	13.26	13.78	14.29	14.80	15.30	15.81	16.32	16.82	17.83	18.34	19.84	20.85
1200	6.70	7.79	8.33	8.87	9.41	9.95	10.49	11.02	11.55	12.08	12.61	13.14	13.67	14.20	14.73	15.25	15.78	16.30	16.82	17.35	18.39	18.91	20.46	21.49
1400	7.66	8.92	9.52	10.16	10.76	11.40	12.00	12.64	13.24	13.87	14.47	15.09	15.69	16.31	16.91	17.52	18.12	18.73	19.33	19.93	21.13	21.73	23.51	24.71
1600	8.60	10.02	10.73	11.43	12.14	12.84	13.54	14.23	14.93	15.62	16.31	17.00	17.69	18.38	19.07	19.75	20.43	21.11	21.79	22.47	23.83	24.50	26.52	27.86
1750	9.30	10.84	11.58	12.37	13.11	13.89	14.63	15.41	16.15	16.92	17.66	18.42	19.16	19.91	20.65	21.40	22.14	22.88	23.62	24.36	25.83	26.57	28.75	30.21
2000	10.44	12.18	13.05	13.91	14.77	15.63	16.49	17.35	18.20	19.05	19.90	20.75	21.60	22.44	23.28	24.12	24.96	25.79	26.62	27.45	29.11	29.94	32.41	34.04
2400	12.21	14.27	15.26	16.32	17.31	18.36	19.34	20.38	21.37	22.40	23.38	24.40	25.38	26.39	27.37	28.37	29.36	30.35	31.33	32.32	34.27	35.25	38.15	40.09
2800	13.94	16.32	17.50	18.67	19.85	21.02	22.19	23.35	24.51	25.66	26.82	27.97	29.12	30.26	31.40	32.53	33.67	34.80	35.93	37.05	39.30	40.41	43.74	45.93
3200	15.63	18.31	19.59	20.97	22.25	23.62	24.90	26.25	27.53	28.86	30.14	31.46	32.74	34.04	35.31	36.60	37.87	39.15	40.42	41.69	44.21	45.48	49.20	51.69
3500	16.87	19.78	21.23	22.67	24.11	25.54	26.97	28.39	29.81	31.22	32.63	34.03	35.43	36.82	38.21	39.60	40.98	42.36	43.73	45.09	47.82	49.17	53.21	55.85
4000	18.89	22.17	23.74	25.43	27.00	28.67	30.23	31.88	33.44	35.06	36.62	38.23	39.78	41.37	42.92	44.48	46.03	47.58	49.12	50.65	53.70	55.23	59.72	62.71
4500	20.85	24.51	26.32	28.13	29.93	31.72	33.50	35.28	37.05	38.82	40.57	42.32	44.06	45.79	47.52	49.24	50.95	52.65	54.34	56.03	59.40	61.06	66.03	49.52
5000	22.77	26.79	28.70	30.76	32.67	34.70	36.60	38.61	40.50	42.47	44.36	46.31	48.18	50.10	51.97	53.86	55.72	57.59	59.43	61.27	64.92	66.74	72.11	
5500	24.65	29.01	31.17	33.33	35.47	37.61	39.73	41.85	43.95	46.04	48.12	50.19	52.24	54.29	56.32	58.35	60.36	62.37	64.35	66.32	70.27	52.70		

8M-12	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)										Additional HP required per belt for speed ratio of speed down drive									
RPM	53	56	60	63	64	67	71	72	75	80	1.00 to	1.03 to	1.06 to	1.11 to	1.16 to	1.22 to	1.31 to	1.44 to	1.65 to	2.16
Small Shaft	5.314	5.610	6.015	6.316	6.420	6.717	7.118	7.220	7.519	8.020	1.02	1.05	1.10	1.15	1.21	1.30	1.43	1.64	2.15	and over
10	0.42	0.45	0.49	0.51	0.52	0.55	0.58	0.59	0.62	0.66										
20	0.68	0.72	0.78	0.82	0.84	0.88	0.94	0.95	0.99	1.06										
40	1.16	1.23	1.33	1.41	1.43	1.50	1.60	1.62	1.70	1.82										
50	1.39	1.48	1.60	1.69	1.72	1.81	1.92	1.95	2.04	2.18										
60	1.62	1.72	1.86	1.97	2.00	2.10	2.24	2.27	2.37	2.54										
100	2.50	2.66	2.88	3.03	3.09	3.25	3.46	3.51	3.67	3.93										
200	4.58	4.88	5.28	5.58	5.68	5.98	6.37	6.47	6.76	7.25	0.00	0.01	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.06
300	6.58	7.01	7.59	8.02	8.17	8.59	9.16	9.31	9.73	10.43	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.07
400	8.53	9.09	9.84	10.40	10.59	11.15	11.89	12.07	12.62	13.53	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.07	0.08
500	10.43	11.11	12.04	12.72	12.96	13.63	14.54	14.77	15.44	16.56	0.00	0.01	0.03	0.04	0.06	0.07	0.08	0.1	0.11	0.13
600	12.29	13.11	14.20	15.02	15.29	16.09	17.16	17.43	18.23	19.55	0.00	0.02	0.03	0.05	0.06	0.08	0.1	0.11	0.13	0.14
700	14.14	15.07	16.33	17.26	17.58	18.49	19.73	20.04	20.95	22.48	0.00	0.02	0.04	0.06	0.07	0.09	0.11	0.13	0.15	0.17
800	15.95	17.01	18.43	19.50	19.85	20.89	22.28	22.63	23.66	25.38	0.00	0.02	0.05	0.07	0.1	0.12	0.14	0.17	0.19	0.21
870	17.23	18.36	19.89	21.03	21.42	22.53	24.04	24.42	25.53	27.39	0.00	0.03	0.05	0.08	0.11	0.14	0.17	0.19	0.22	0.25
1000	19.53	20.83	22.57	23.88	24.31	25.59	27.29	27.71	28.97	31.08	0.00	0.03	0.06	0.1	0.13	0.16	0.19	0.22	0.25	0.29
1160	22.35	23.82	25.82	27.30	27.81	29.25	31.20	31.70	33.14	35.56	0.00	0.04	0.08	0.12	0.16	0.2	0.24	0.28	0.32	0.36
1200	23.02	24.56	26.62	28.16	28.67	30.18	32.19	32.69	34.18	36.67	0.00	0.05	0.09	0.14	0.18	0.23	0.27	0.32	0.37	0.41
1400	26.49	28.24	30.60	32.35	32.96	34.68	36.99	37.58	39.29	42.14	0.00	0.05	0.1	0.14	0.19	0.24	0.29	0.33	0.38	0.43
1600	29.86	31.86	34.52	36.52	37.18	39.13	41.73	42.38	44.31	47.52	0.00	0.06	0.11	0.16	0.22	0.27	0.33	0.38	0.44	0.49
1750	32.39	34.53	37.42	39.57	40.31	42.40	45.21	45.93	48.01	51.49	0.00	0.06	0.11	0.17	0.22	0.28	0.33	0.39	0.45	0.5
2000	36.49	38.93	42.18	44.62	45.43	47.80	50.96	51.75	54.09	57.99	0.00	0.06	0.13	0.19	0.25	0.32	0.38	0.45	0.51	0.57
2400	42.97	45.81	49.62	52.45	53.43	56.17	59.88	60.82	63.53	68.08	0.00	0.07	0.14	0.2	0.28	0.35	0.42	0.48	0.55	0.62
2800	49.22	52.50	56.85	60.10	61.19	64.34	68.54	69.59	72.67	77.80	0.00	0.07	0.14	0.22	0.29	0.36	0.43	0.5	0.57	0.64
3200	55.38	59.02	63.87	67.48	68.72	72.18	76.86	78.05			0.00	0.08	0.16	0.24	0.32	0.4	0.48	0.56	0.64	0.72
3500	59.82	63.78	68.99	72.90	74.20	46.38					0.00	0.09	0.18	0.28	0.37	0.46	0.55	0.65	0.74	0.83
4000	67.13	71.50	35.72								0.00	0.14	0.28	0.42	0.56	0.7	0.84	0.97	1.11	1.25
4500											0.00	0.16	0.32	0.48	0.64	0.8	0.95	1.11	1.27	1.43
5000											0.00	0.24	0.48	0.72	0.95	1.19	1.43	1.67	1.91	2.15
5500											0.00	0.28	0.55	0.82	1.1	1.37	1.65	1.92	2.2	2.47
											0.00	0.32	0.64	0.96	1.27	1.59	1.91	2.23	2.55	2.86
											0.00	0.36	0.72	1.08	1.43	1.79	2.15	2.51	2.87	3.22
											0.00	0.4	0.79	1.19	1.59	1.99	2.39	2.78	3.18	3.58
											0.00	0.44	0.87	1.31	1.75	2.19	2.63	3.06	3.5	3.94

HT500 Basic HP Ratings - 8mm

8M-21	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																							
RPM Small Shaft	22	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	44	45	48	50
	2.210	2.410	2.506	2.610	2.707	2.810	2.907	3.010	3.108	3.210	3.308	3.410	3.509	3.610	3.709	3.810	3.910	4.010	4.110	4.211	4.410	4.511	4.810	5.013
10	0.26	0.30	0.32	0.33	0.35	0.37	0.38	0.39	0.40	0.42	0.44	0.46	0.47	0.49	0.50	0.51	0.53	0.54	0.56	0.58	0.61	0.63	0.67	0.70
20	0.40	0.46	0.48	0.51	0.53	0.56	0.59	0.61	0.64	0.67	0.69	0.72	0.74	0.77	0.80	0.82	0.85	0.88	0.90	0.92	0.96	0.99	1.07	1.12
40	0.68	0.77	0.81	0.86	0.90	0.95	0.99	1.03	1.08	1.12	1.16	1.21	1.25	1.30	1.34	1.38	1.43	1.47	1.51	1.56	1.65	1.69	1.82	1.90
50	0.81	0.91	0.96	1.02	1.07	1.12	1.17	1.23	1.28	1.33	1.38	1.44	1.49	1.54	1.59	1.65	1.70	1.75	1.80	1.86	1.96	2.01	2.17	2.28
60	0.93	1.05	1.11	1.17	1.23	1.30	1.36	1.42	1.48	1.54	1.61	1.68	1.74	1.80	1.86	1.93	1.99	2.05	2.11	2.17	2.29	2.35	2.52	2.64
100	1.40	1.59	1.69	1.79	1.88	1.98	2.07	2.17	2.26	2.36	2.46	2.56	2.65	2.75	2.84	2.94	3.04	3.13	3.23	3.33	3.52	3.62	3.90	4.09
200	2.49	2.85	3.04	3.22	3.40	3.59	3.77	3.96	4.13	4.31	4.49	4.67	4.85	5.02	5.20	5.37	5.56	5.74	5.92	6.09	6.44	6.62	7.14	7.49
300	3.54	4.06	4.31	4.59	4.84	5.11	5.37	5.64	5.88	6.14	6.40	6.67	6.93	7.19	7.44	7.70	7.95	8.21	8.47	8.73	9.24	9.50	10.26	10.77
400	4.52	5.22	5.56	5.90	6.24	6.58	6.92	7.26	7.60	7.93	8.27	8.61	8.94	9.28	9.62	9.96	10.29	10.62	10.96	11.29	11.95	12.29	13.28	13.94
500	5.48	6.34	6.74	7.18	7.58	8.02	8.42	8.86	9.26	9.68	10.08	10.50	10.92	11.34	11.75	12.16	12.56	12.97	13.38	13.79	14.61	15.02	16.22	17.04
600	6.42	7.42	7.92	8.42	8.92	9.42	9.91	10.40	10.89	11.39	11.88	12.37	12.85	13.34	13.83	14.32	14.80	15.28	15.76	16.25	17.22	17.70	19.13	20.08
700	7.35	8.51	9.05	9.64	10.20	10.80	11.35	11.94	12.49	13.07	13.62	14.19	14.75	15.31	15.87	16.43	16.99	17.55	18.11	18.67	19.78	20.34	22.00	23.11
800	8.24	9.56	10.20	10.85	11.50	12.15	12.79	13.44	14.08	14.72	15.36	16.00	16.63	17.27	17.90	18.53	19.16	19.79	20.42	21.05	22.31	22.94	24.82	26.05
870	8.87	10.29	10.96	11.69	12.37	13.09	13.76	14.47	15.16	15.87	16.54	17.24	17.92	18.62	19.30	19.99	20.67	21.35	22.03	22.71	24.06	24.75	26.78	28.13
1000	10.01	11.62	12.42	13.21	14.01	14.81	15.60	16.40	17.19	17.97	18.75	19.53	20.32	21.11	21.88	22.66	23.43	24.20	24.98	25.75	27.30	28.07	30.36	31.89
1160	11.39	13.23	14.12	15.07	15.95	16.89	17.77	18.71	19.59	20.51	21.40	22.31	23.20	24.12	25.00	25.90	26.78	27.67	28.56	29.44	31.20	32.09	34.72	36.49
1200	11.73	13.63	14.58	15.52	16.47	17.41	18.35	19.29	20.21	21.14	22.07	23.00	23.92	24.85	25.77	26.69	27.61	28.53	29.44	30.35	32.18	33.09	35.81	37.60
1400	13.41	15.61	16.66	17.78	18.83	19.95	21.01	22.12	23.17	24.27	25.32	26.41	27.46	28.54	29.60	30.66	31.72	32.78	33.83	34.88	36.98	38.03	41.14	43.24
1600	15.05	17.54	18.77	20.00	21.24	22.47	23.69	24.90	26.12	27.34	28.54	29.75	30.96	32.17	33.36	34.56	35.75	36.94	38.13	39.32	41.70	42.88	46.41	48.75
1750	16.28	18.97	20.26	21.65	22.94	24.31	25.60	26.97	28.26	29.61	30.90	32.24	33.52	34.84	36.14	37.45	38.74	40.04	41.34	42.63	45.20	46.50	50.31	52.88
2000	18.27	21.32	22.83	24.34	25.85	27.35	28.86	30.36	31.85	33.34	34.83	36.31	37.79	39.27	40.74	42.21	43.67	45.13	46.59	48.04	50.94	52.39	56.72	59.57
2400	21.37	24.97	26.70	28.56	30.29	32.13	33.85	35.67	37.40	39.20	40.92	42.70	44.42	46.18	47.91	49.65	51.38	53.11	54.84	56.55	59.97	61.70	66.76	70.16
2800	24.40	28.56	30.62	32.67	34.73	36.79	38.82	40.86	42.88	44.91	46.93	48.95	50.95	52.96	54.94	56.93	58.91	60.90	62.87	64.84	68.78	70.72	76.55	80.38
3200	27.35	32.04	34.29	36.70	38.94	41.34	43.58	45.94	48.17	50.51	52.74	55.06	57.29	59.57	61.80	64.05	66.28	68.51	70.74	72.96	77.37	79.58	86.10	90.46
3500	29.52	34.62	37.14	39.67	42.18	44.70	47.19	49.68	52.16	54.64	57.09	59.55	61.99	64.44	66.87	69.30	71.72	74.13	76.52	78.91	83.69	86.04	93.12	97.74
4000	33.06	38.80	41.55	44.50	47.25	50.17	52.91	55.79	58.51	61.36	64.08	66.90	69.62	72.40	75.10	77.84	80.55	83.27	85.95	88.64	93.98	96.65	104.51	109.73
4500	36.49	42.89	46.06	49.23	52.37	55.51	58.63	61.74	64.84	67.94	71.00	74.06	77.10	80.13	83.15	86.17	89.15	92.14	95.09	98.04	103.95	106.85	115.55	86.66
5000	39.85	46.88	50.23	53.83	57.17	60.73	64.06	67.57	70.87	74.32	77.63	81.04	84.32	87.68	90.95	94.26	97.52	100.78	104.00	107.22	113.61	116.80	126.19	94.21
5500	43.14	50.77	54.55	58.33	62.07	65.82	69.53	73.24	76.90	80.57	84.20	87.83	91.42	95.01	98.56	102.11	105.63	109.15	112.60	116.06	122.97	92.23		

8M-21	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)										Additional HP required per belt for speed ratio of speed down drive									
RPM Small Shaft	53	56	60	63	64	67	71	72	75	80	1.00 to 1.02	1.03 to 1.05	1.06 to 1.10	1.11 to 1.15	1.16 to 1.21	1.22 to 1.30	1.31 to 1.43	1.44 to 1.64	1.65 to 2.15	2.16 and over
	5.314	5.610	6.015	6.316	6.420	6.717	7.118	7.220	7.519	8.020										
10	0.74	0.79	0.85	0.89	0.91	0.96	1.02	1.03	1.08	1.16										
20	1.19	1.26	1.37	1.44	1.47	1.54	1.64	1.66	1.73	1.86										
40	2.03	2.15	2.33	2.46	2.50	2.63	2.79	2.84	2.97	3.19										
50	2.43	2.59	2.80	2.96	3.01	3.16	3.36	3.41	3.56	3.82										
60	2.83	3.01	3.26	3.44	3.50	3.68	3.91	3.97	4.15	4.45										
100	4.38	4.66	5.03	5.31	5.41	5.68	6.05	6.14	6.42	6.88										
200	8.02	8.54	9.24	9.77	9.94	10.46	11.15	11.32	11.83	12.69	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.09	0.1	0.11
300	11.52	12.27	13.28	14.04	14.30	15.04	16.04	16.29	17.03	18.25	0.00	0.01	0.03	0.04	0.06	0.07	0.08	0.1	0.11	0.13
400	14.92	15.91	17.22	18.20	18.53	19.50	20.80	21.12	22.08	23.68	0.00	0.02	0.03	0.05	0.07	0.08	0.1	0.11	0.13	0.15
500	18.25	19.44	21.06	22.26	22.68	23.86	25.44	25.85	27.02	28.98	0.00	0.02	0.05	0.07	0.1	0.12	0.15	0.17	0.19	0.22
600	21.51	22.94	24.85	26.28	26.76	28.16	30.03	30.50	31.89	34.21	0.00	0.03	0.06	0.08	0.11	0.14	0.17	0.19	0.22	0.25
700	24.75	26.37	28.57	30.20	30.77	32.36	34.52	35.07	36.67	39.34	0.00	0.03	0.06	0.1	0.13	0.16	0.19	0.23	0.26	0.29
800	27.91	29.77	32.25	34.12	34.74	36.56	38.99	39.60	41.41	44.42	0.00	0.04	0.08	0.13	0.17	0.21	0.25	0.29	0.33	0.38
870	30.15	32.13	34.81	36.80	37.49	39.43	42.07	42.74	44.68	47.93	0.00	0.05	0.1	0.15	0.19	0.24	0.29	0.34	0.39	0.44
1000	34.17	36.45	39.50	41.78	42.54	44.77	47.75	48.49	50.70	54.39	0.00	0.06	0.11	0.17	0.22	0.28	0.33	0.39	0.45	0.5
1160	39.10	41.69	45.18	47.77	48.67	51.20	54.61	55.48	58.00	62.23	0.00	0.07	0.14	0.21	0.28	0.35	0.42	0.49	0.56	0.63
1200	40.29	42.98	46.58	49.27	50.17	52.81	56.33	57.21	59.82	64.17	0.00	0.08	0.16	0.24	0.32	0.4	0.48	0.56	0.64	0.72
1400	46.35	49.42	53.55	56.62	57.68	60.68	64.74	65.77	68.75	73.75	0.00	0.08	0.17	0.25	0.33	0.42	0.5	0.58	0.67	0.75
1600	52.25	55.76	60.41	63.90	65.07	68.48	73.03	74.17	77.54	83.16	0.00	0.1	0.19	0.29	0.38	0.48	0.58	0.67	0.77	0.86
1750	56.68	60.43	65.49	69.24	70.54	74.19	79.12	80.38	84.02	90.11	0.00	0.1	0.19	0.29	0.39	0.49	0.58	0.68	0.78	0.88
2000	63.85	68.13	73.82	78.08	79.50	83.65	89.18	90.56	94.66	101.48	0.00	0.11	0.22	0.33	0.45	0.56	0.67	0.78	0.89	1
2400	75.20	80.17	86.84	91.79	93.50	98.31	104.79	106.44	111.19	119.14	0.00	0.12	0.24	0.36	0.48	0.61	0.73	0.85	0.97	1.09
2800	86.13	91.88	99.48	105.18	107.08	112.60	119.95	121.78	127.17	136.15	0.00	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1	1.13
3200	96.92	103.29	111.78	118.08	120.26	126.32	134.51	136.59			0.00	0.14	0.28	0.42	0.56	0.7	0.84	0.97	1.11	1.25
3500	104.68	111.62	120.73	127.57	129.85						0.00	0.16	0.32	0.49	0.65	0.81	0.97	1.13	1.29	1.45
4000	117.49	125.13									0.00	0.24	0.49	0.73	0.97	1.22	1.46	1.71	1.95	2.19
4500											0.00	0.28	0.56	0.84	1.11	1.39	1.67	1.95	2.23	2.51
5000											0.00	0.42	0.83	1.25	1.67	2.09	2.51	2.92	3.34	3.76
5500											0.00	0.48	0.96	1.44	1.92	2.4	2.88	3.36	3.84	4.32
											0.00	0.56	1.11	1.67	2.23	2.79	3.34	3.9	4.46	5.01
											0.00	0.63	1.25	1.88	2.51	3.13	3.76	4.39	5.01	5.64
											0.00	0.7	1.39	2.09	2.78	3.48	4.18	4.87	5.57	6.27
											0.00	0.77	1.53	2.3	3.06	3.83	4.6	5.36	6.13	6.89

SELECTION

DODGE

HT500 Basic HP Ratings - 8mm

8M-36	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																							
RPM	22	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	44	45	48	50
Small Shaft	2.210	2.410	2.506	2.610	2.707	2.810	2.907	3.010	3.108	3.210	3.308	3.410	3.509	3.610	3.709	3.810	3.910	4.010	4.110	4.211	4.410	4.511	4.810	5.013
10	0.45	0.51	0.54	0.57	0.60	0.63	0.65	0.66	0.69	0.72	0.75	0.78	0.81	0.84	0.86	0.87	0.90	0.93	0.96	0.99	1.05	1.07	1.14	1.19
20	0.69	0.78	0.82	0.87	0.91	0.96	1.00	1.05	1.09	1.14	1.18	1.23	1.27	1.32	1.36	1.41	1.45	1.50	1.54	1.58	1.65	1.70	1.83	1.91
40	1.17	1.32	1.40	1.47	1.55	1.62	1.70	1.77	1.85	1.92	2.00	2.07	2.15	2.22	2.30	2.37	2.45	2.52	2.60	2.67	2.82	2.90	3.12	3.26
50	1.38	1.56	1.65	1.74	1.83	1.92	2.01	2.10	2.19	2.28	2.37	2.46	2.55	2.64	2.73	2.82	2.91	3.00	3.09	3.18	3.36	3.45	3.72	3.90
60	1.59	1.80	1.91	2.01	2.12	2.22	2.33	2.43	2.54	2.64	2.76	2.88	2.99	3.09	3.20	3.30	3.41	3.51	3.62	3.72	3.93	4.03	4.32	4.53
100	2.40	2.73	2.89	3.06	3.22	3.39	3.55	3.72	3.88	4.05	4.21	4.38	4.54	4.71	4.87	5.04	5.20	5.37	5.54	5.70	6.03	6.20	6.69	7.02
200	4.26	4.89	5.21	5.52	5.84	6.15	6.47	6.78	7.08	7.38	7.70	8.01	8.31	8.61	8.91	9.21	9.53	9.84	10.14	10.44	11.04	11.34	12.24	12.84
300	6.06	6.96	7.39	7.86	8.30	8.76	9.20	9.66	10.09	10.53	10.97	11.43	11.88	12.33	12.76	13.20	13.63	14.07	14.51	14.96	15.84	16.28	17.58	18.45
400	7.74	8.94	9.53	10.11	10.70	11.28	11.87	12.45	13.02	13.59	14.18	14.76	15.33	15.90	16.49	17.07	17.64	18.21	18.78	19.35	20.49	21.06	22.77	23.90
500	9.39	10.86	11.55	12.30	13.00	13.74	14.44	15.18	15.87	16.59	17.28	18.00	18.71	19.44	20.14	20.85	21.54	22.23	22.94	23.65	25.05	25.75	27.81	29.21
600	11.01	12.72	13.58	14.43	15.29	16.14	16.98	17.82	18.68	19.53	20.37	21.21	22.04	22.86	23.70	24.54	25.37	26.19	27.02	27.86	29.52	30.34	32.79	34.43
700	12.60	14.58	15.52	16.53	17.49	18.51	19.46	20.46	21.41	22.41	23.35	24.33	25.28	26.25	27.20	28.17	29.13	30.09	31.05	32.00	33.90	34.87	37.71	39.61
800	14.13	16.38	17.49	18.60	19.71	20.82	21.93	23.04	24.14	25.23	26.33	27.42	28.52	29.61	30.69	31.77	32.85	33.93	35.01	36.09	38.25	39.32	42.54	44.66
870	15.21	17.64	18.80	20.04	21.20	22.44	23.59	24.81	25.98	27.21	28.36	29.55	30.72	31.92	33.08	34.26	35.43	36.60	37.77	38.93	41.25	42.43	45.90	48.23
1000	17.16	19.92	21.29	22.65	24.02	25.38	26.75	28.11	29.46	30.81	32.15	33.48	34.83	36.18	37.52	38.85	40.17	41.49	42.82	44.15	46.80	48.11	52.05	54.66
1160	19.53	22.68	24.20	25.83	27.34	28.95	30.47	32.07	33.58	35.16	36.68	38.25	39.78	41.34	42.86	44.40	45.91	47.43	48.95	50.47	53.49	55.02	59.52	62.55
1200	20.10	23.37	24.99	26.61	28.23	29.85	31.46	33.06	34.65	36.24	37.83	39.42	41.01	42.60	44.18	45.75	47.33	48.90	50.47	52.04	55.17	56.72	61.38	64.46
1400	22.98	26.76	28.55	30.48	32.28	34.20	36.01	37.92	39.73	41.61	43.41	45.27	47.08	48.93	50.73	52.56	54.37	56.19	58.00	59.80	63.39	65.20	70.53	74.13
1600	25.80	30.06	32.18	34.29	36.41	38.52	40.61	42.69	44.78	46.86	48.93	51.00	53.07	55.14	57.20	59.25	61.29	63.33	65.37	67.41	71.49	73.51	79.56	83.57
1750	27.90	32.52	34.73	37.11	39.32	41.67	43.89	46.23	48.45	50.76	52.97	55.26	57.47	59.73	61.95	64.20	66.42	68.64	70.86	73.08	77.49	79.71	86.25	90.64
2000	31.32	36.54	39.14	41.73	44.31	46.89	49.47	52.05	54.60	57.15	59.70	62.25	64.79	67.32	69.84	72.36	74.87	77.37	79.86	82.35	87.33	89.81	97.23	102.12
2400	36.63	42.81	45.77	48.96	51.92	55.08	58.03	61.14	64.11	67.20	70.15	73.20	76.15	79.17	82.12	85.11	88.08	91.05	94.00	96.95	102.81	105.76	114.45	120.27
2800	41.82	48.96	52.49	56.01	59.54	63.06	66.56	70.05	73.52	76.98	80.45	83.91	87.35	90.78	94.19	97.59	101.00	104.40	107.78	111.15	117.90	121.23	131.22	137.79
3200	46.89	54.93	58.78	62.91	66.76	70.86	74.70	78.75	82.58	86.58	90.42	94.38	98.21	102.12	105.94	109.80	113.62	117.45	121.26	125.07	132.63	136.43	147.60	155.07
3500	50.61	59.34	63.68	68.01	72.32	76.62	80.90	85.17	89.42	93.66	97.88	102.09	106.28	110.46	114.63	118.80	122.94	127.08	131.18	135.27	143.46	147.50	159.63	167.56
4000	56.67	66.51	71.22	76.29	81.00	86.01	90.70	95.64	100.31	105.18	109.86	114.69	119.35	124.11	128.75	133.44	138.09	142.74	147.35	151.95	161.10	165.68	179.16	188.12
4500	62.55	73.53	78.96	84.39	89.78	95.16	100.50	105.84	111.15	116.46	121.71	126.96	132.17	137.37	142.55	147.72	152.84	157.95	163.01	168.08	178.20	183.17	198.09	148.57
5000	68.31	80.37	86.11	92.28	98.01	104.10	109.81	115.83	121.50	127.41	133.08	138.93	144.55	150.30	155.91	161.58	167.17	172.77	178.29	183.80	194.76	200.23	216.33	
5500	73.95	87.03	93.51	99.99	106.41	112.83	119.19	125.55	131.84	138.12	144.35	150.57	156.72	162.87	168.96	175.05	181.08	187.11	193.04	198.96	210.81	158.11		

8M-36	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)										Additional HP required per belt for speed ratio of speed down drive									
RPM	53	56	60	63	64	67	71	72	75	80	1.00 to	1.03 to	1.06 to	1.11 to	1.16 to	1.22 to	1.31 to	1.44 to	1.65 to	2.16
Small Shaft	5.314	5.610	6.015	6.316	6.420	6.717	7.118	7.220	7.519	8.020	1.02	1.05	1.10	1.15	1.21	1.30	1.43	1.64	2.15	and over
10	1.27	1.35	1.46	1.53	1.56	1.64	1.74	1.77	1.85	1.98										
20	2.04	2.16	2.34	2.47	2.52	2.64	2.81	2.85	2.97	3.18										
40	3.48	3.69	3.99	4.22	4.29	4.50	4.79	4.86	5.09	5.46										
50	4.17	4.44	4.80	5.07	5.16	5.42	5.76	5.85	6.11	6.54										
60	4.85	5.16	5.58	5.90	6.00	6.30	6.71	6.81	7.11	7.62										
100	7.50	7.98	8.63	9.10	9.27	9.74	10.37	10.53	11.00	11.79										
200	13.74	14.64	15.84	16.74	17.04	17.93	19.11	19.41	20.29	21.75	0.00	0.02	0.04	0.06	0.08	0.11	0.13	0.15	0.17	0.19
300	19.75	21.03	22.77	24.06	24.51	25.78	27.49	27.93	29.19	31.29	0.00	0.02	0.05	0.07	0.1	0.12	0.14	0.17	0.19	0.21
400	25.58	27.27	29.52	31.21	31.77	33.44	35.66	36.21	37.85	40.59	0.00	0.03	0.06	0.08	0.11	0.14	0.17	0.2	0.22	0.25
500	31.28	33.33	36.11	38.17	38.88	40.90	43.62	44.31	46.32	49.68	0.00	0.04	0.08	0.13	0.17	0.21	0.25	0.29	0.33	0.38
600	36.88	39.33	42.60	45.05	45.87	48.28	51.49	52.29	54.68	58.65	0.00	0.05	0.1	0.14	0.19	0.24	0.29	0.33	0.38	0.43
700	42.43	45.21	48.98	51.77	52.74	55.48	59.18	60.12	62.86	67.44	0.00	0.06	0.11	0.17	0.22	0.28	0.33	0.39	0.45	0.5
800	47.85	51.03	55.29	58.49	59.55	62.68	66.85	67.89	70.98	76.14	0.00	0.07	0.14	0.22	0.29	0.36	0.43	0.5	0.57	0.64
870	51.68	55.08	59.67	63.08	64.26	67.60	72.11	73.26	76.59	82.17	0.00	0.08	0.17	0.25	0.33	0.42	0.5	0.58	0.67	0.75
1000	58.58	62.49	67.71	71.63	72.93	76.76	81.86	83.13	86.92	93.24	0.00	0.1	0.19	0.29	0.38	0.48	0.57	0.67	0.76	0.86
1160	67.04	71.46	77.45	81.89	83.43	87.76	93.61	95.10	99.43	106.68	0.00	0.12	0.24	0.36	0.48	0.6	0.72	0.84	0.96	1.07
1200	69.07	73.68	79.85	84.47	86.01	90.53	96.56	98.07	102.55	110.01	0.00	0.14	0.27	0.41	0.55	0.69	0.82	0.96	1.1	1.24
1400	79.46	84.72	91.81	97.06	98.88	104.03	110.97	112.74	117.86	126.42	0.00	0.14	0.29	0.43	0.57	0.72	0.86	1	1.15	1.29
1600	89.57	95.58	103.56	109.55	111.54	117.39	125.19	127.14	132.92	142.56	0.00	0.17	0.33	0.49	0.66	0.82	0.99	1.15	1.32	1.48
1750	97.16	103.59	112.27	118.71	120.93	127.19	135.64	137.79	144.03	154.47	0.00	0.17	0.33	0.5	0.67	0.84	1	1.17	1.34	1.5
2000	109.46	116.79	126.54	133.85	136.29	143.40	152.88	155.25	162.27	173.97	0.00	0.19	0.38	0.57	0.76	0.95	1.15	1.34	1.53	1.72
2400	128.91	137.43	148.87	157.36	160.29	168.52	179.64	182.46	190.60	204.24	0.00	0.21	0.41	0.62	0.83	1.04	1.25	1.45	1.66	1.87
2800	147.65	157.50	170.54	180.31	183.57	193.02	205.62	208.77	218.01	233.40	0.00	0.22	0.43	0.65	0.86	1.07	1.29	1.5	1.72	1.93
3200	166.14	177.06	191.62	202.43	206.16	216.55	230.59	234.15			0.00	0.24	0.48	0.72	0.95	1.19	1.43	1.67	1.91	2.15
3500	179.45	191.34	206.97	218.69	222.60						0.00	0.28	0.55	0.83	1.11	1.38	1.66	1.94	2.22	2.49
4000	201.40	214.50									0.00	0.42	0.83	1.25	1.67	2.09	2.51	2.92	3.34	3.76
4500											0.00	0.48	0.95	1.43	1.91	2.39	2.86	3.34	3.82	4.3
5000											0.00	0.72	1.43	2.15	2.86	3.58	4.3	5.01	5.73	6.44
5500											0.00	0.83	1.65	2.47	3.29	4.12	4.94	5.76	6.59	7.41
											0.00	0.96	1.91	2.87	3.82	4.77	5.73	6.68	7.64	8.59
											0.00	1.08	2.15	3.23	4.3	5.37	6.45	7.52	8.6	9.67
											0.00	11.2	2.38	3.58	4.77	5.97	7.16	8.35	9.55	10.7
											0.00	1.32	2.62	3.94	5.25	6.56	7.88	9.19	10.5	11.8

Selection program available online at ptwizard.com

HT500 Basic HP Ratings - 8mm

8M-62	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																							
RPM	22	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	44	45	48	50
Small Shaft	2.210	2.410	2.506	2.610	2.707	2.810	2.907	3.010	3.108	3.210	3.308	3.410	3.509	3.610	3.709	3.810	3.910	4.010	4.110	4.211	4.410	4.511	4.810	5.013
10	0.78	0.88	0.93	0.98	1.03	1.09	1.11	1.14	1.19	1.24	1.29	1.34	1.40	1.45	1.47	1.50	1.55	1.60	1.65	1.71	1.81	1.85	1.96	2.05
20	1.19	1.34	1.42	1.50	1.57	1.65	1.73	1.81	1.88	1.96	2.04	2.12	2.20	2.27	2.35	2.43	2.51	2.58	2.65	2.71	2.84	2.92	3.15	3.30
40	2.02	2.27	2.40	2.53	2.66	2.79	2.92	3.05	3.18	3.31	3.44	3.57	3.69	3.82	3.95	4.08	4.21	4.34	4.47	4.60	4.86	4.99	5.37	5.62
50	2.38	2.69	2.84	3.00	3.15	3.31	3.46	3.62	3.77	3.93	4.08	4.24	4.39	4.55	4.70	4.86	5.01	5.17	5.32	5.48	5.79	5.94	6.41	6.72
60	2.74	3.10	3.28	3.46	3.64	3.82	4.00	4.19	4.37	4.55	4.75	4.96	5.14	5.32	5.50	5.68	5.86	6.05	6.23	6.41	6.77	6.94	7.44	7.80
100	4.13	4.70	4.98	5.27	5.55	5.84	6.12	6.41	6.68	6.98	7.25	7.54	7.82	8.11	8.39	8.68	8.96	9.25	9.53	9.82	10.39	10.67	11.52	12.08
200	7.34	8.42	8.96	9.51	10.05	10.59	11.13	11.68	12.19	12.71	13.25	13.80	14.31	14.83	15.35	15.86	16.40	16.95	17.46	17.98	19.01	19.53	21.08	22.11
300	10.44	11.99	12.73	13.54	14.29	15.09	15.84	16.64	17.37	18.14	18.90	19.69	20.45	21.24	21.98	22.73	23.48	24.23	25.00	25.76	27.28	28.04	30.28	31.78
400	13.33	15.40	16.40	17.41	18.42	19.43	20.43	21.44	22.42	23.41	24.41	25.42	26.40	27.38	28.39	29.40	30.38	31.36	32.34	33.33	35.29	36.27	39.22	41.15
500	16.17	18.70	19.90	21.18	22.38	23.66	24.87	26.14	27.33	28.57	29.77	31.00	32.23	33.48	34.69	35.91	37.10	38.29	39.50	40.72	43.14	44.35	47.90	50.30
600	18.96	21.91	23.38	24.85	26.32	27.80	29.24	30.69	32.16	33.64	35.08	36.53	37.95	39.37	40.82	42.26	43.68	45.11	46.54	47.97	50.84	52.25	56.47	59.29
700	21.70	25.11	26.73	28.47	30.12	31.88	33.51	35.24	36.88	38.60	40.22	41.90	43.54	45.21	46.85	48.52	50.17	51.82	53.47	55.11	58.38	60.05	64.95	68.22
800	24.34	28.21	30.12	32.03	33.95	35.86	37.77	39.68	41.57	43.45	45.34	47.22	49.11	51.00	52.86	54.72	56.58	58.44	60.30	62.16	65.88	67.72	73.26	76.92
870	26.20	30.38	32.37	34.51	36.52	38.65	40.63	42.73	44.75	46.86	48.84	50.89	52.91	54.97	56.98	59.00	61.02	63.03	65.04	67.05	71.04	73.07	79.05	83.06
1000	29.55	34.31	36.66	39.01	41.36	43.71	46.06	48.41	50.74	53.06	55.36	57.66	59.99	62.31	64.61	66.91	69.18	71.46	73.74	76.03	80.60	82.86	89.64	94.14
1160	33.64	39.06	41.67	44.49	47.09	49.86	52.48	55.23	57.84	60.55	63.17	65.88	68.51	71.20	73.82	76.47	79.07	81.69	84.31	86.92	92.12	94.76	102.51	107.72
1200	34.62	40.25	43.04	45.83	48.62	51.41	54.17	56.94	59.68	62.41	65.15	67.89	70.63	73.37	76.08	78.79	81.50	84.22	86.92	89.62	95.02	97.69	105.71	111.01
1400	39.58	46.09	49.17	52.49	55.60	58.90	62.02	65.31	68.42	71.66	74.76	77.97	81.08	84.27	87.38	90.52	93.64	96.77	99.89	102.99	109.17	112.29	121.47	127.66
1600	44.43	51.77	55.41	59.06	62.70	66.34	69.93	73.52	77.11	80.70	84.27	87.83	91.40	94.96	98.50	102.04	105.56	109.07	112.58	116.10	123.12	126.60	137.02	143.92
1750	48.05	56.01	59.82	63.91	67.72	71.77	75.59	79.62	83.44	87.42	91.23	95.17	98.98	102.87	106.70	110.57	114.39	118.21	122.04	125.86	133.46	137.28	148.54	156.11
2000	53.94	62.93	67.40	71.87	76.31	80.76	85.20	89.64	94.03	98.43	102.82	107.21	111.57	115.94	120.28	124.62	128.93	133.25	137.54	141.83	150.40	154.66	167.45	175.87
2400	63.09	73.73	78.83	84.32	89.43	94.86	99.94	105.30	110.41	115.73	120.82	126.07	131.15	136.35	141.43	146.58	151.69	156.81	161.89	166.97	177.06	182.15	197.11	207.14
2800	72.02	84.32	90.39	96.46	102.53	108.60	114.62	120.64	126.61	132.58	138.54	144.51	150.43	156.34	162.21	168.07	173.94	179.80	185.61	191.43	203.05	208.79	225.99	237.31
3200	80.76	94.60	101.22	108.35	114.98	122.04	128.65	135.63	142.23	149.11	155.72	162.54	169.14	175.87	182.45	189.10	195.68	202.28	208.84	215.39	228.42	234.96	254.20	267.06
3500	87.16	102.20	109.66	117.13	124.54	131.96	139.32	146.68	153.99	161.30	168.56	175.82	183.03	190.24	197.42	204.60	211.73	218.86	225.91	232.97	247.07	254.03	274.92	288.57
4000	97.60	114.55	122.66	131.39	139.50	148.13	156.21	164.71	172.76	181.14	189.20	197.52	205.55	213.75	221.73	229.81	237.82	245.83	253.77	261.70	277.45	285.34	308.55	323.98
4500	107.73	126.64	135.99	145.34	154.61	163.89	173.08	182.28	191.43	200.57	209.61	218.65	227.62	236.58	245.49	254.41	263.22	272.03	280.74	289.46	306.90	315.46	341.16	255.87
5000	117.65	138.42	148.30	158.93	168.79	179.28	189.12	199.49	209.25	219.43	229.19	239.27	248.95	258.85	268.51	278.28	287.91	297.55	307.06	316.55	335.42	344.84	372.57	278.14
5500	127.36	149.89	161.05	172.21	183.26	194.32	205.27	216.23	227.05	237.87	248.59	259.32	269.91	280.50	290.99	301.48	311.86	322.25	332.45	342.65	363.06	272.30		

8M-62	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)										Additional HP required per belt for speed ratio of speed down drive								
RPM	53	56	60	63	64	67	71	72	75	80	1.00 to	1.03 to	1.06 to	1.11 to	1.16 to	1.22 to	1.31 to	1.44 to	1.65 to	2.16
Small Shaft	5.314	5.610	6.015	6.316	6.420	6.717	7.118	7.220	7.519	8.020	1.02	1.05	1.10	1.15	1.21	1.30	1.43	1.64	2.15	and over
10	2.19	2.33	2.51	2.64	2.69	2.82	3.00	3.05	3.18	3.41										
20	3.51	3.72	4.03	4.26	4.34	4.55	4.84	4.91	5.12	5.48										
40	5.99	6.36	6.87	7.26	7.39	7.76	8.25	8.37	8.76	9.40										
50	7.19	7.65	8.27	8.73	8.89	9.33	9.92	10.08	10.52	11.26										
60	8.34	8.89	9.61	10.15	10.33	10.86	11.55	11.73	12.25	13.12										
100	12.92	13.74	14.86	15.68	15.97	16.77	17.86	18.14	18.95	20.31										
200	23.66	25.21	27.28	28.83	29.35	30.88	32.92	33.43	34.94	37.46	0.00	0.04	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.33
300	34.02	36.22	39.22	41.44	42.21	44.40	47.35	48.10	50.27	53.89	0.00	0.04	0.08	0.12	0.16	0.21	0.25	0.29	0.33	0.37
400	44.06	46.97	50.84	53.75	54.72	57.58	61.41	62.36	65.19	69.91	0.00	0.05	0.1	0.14	0.19	0.24	0.29	0.34	0.38	0.43
500	53.88	57.40	62.18	65.73	66.96	70.43	75.12	76.31	79.77	85.56	0.00	0.07	0.14	0.22	0.29	0.36	0.43	0.5	0.58	0.65
600	63.51	67.74	73.37	77.59	79.00	83.14	88.67	90.06	94.16	101.01	0.00	0.08	0.16	0.25	0.33	0.41	0.49	0.58	0.66	0.74
700	73.07	77.86	84.35	89.17	90.83	95.55	101.92	103.54	108.25	116.15	0.00	0.1	0.19	0.29	0.38	0.48	0.57	0.67	0.77	0.86
800	82.40	87.89	95.22	100.72	102.56	107.94	115.13	116.92	122.25	131.13	0.00	0.12	0.25	0.37	0.49	0.62	0.74	0.86	0.99	1.11
870	89.00	94.86	102.77	108.64	110.67	116.43	124.20	126.17	131.91	141.52	0.00	0.14	0.29	0.43	0.58	0.72	0.86	1.01	1.15	1.29
1000	100.88	107.62	116.61	123.35	125.60	132.19	140.97	143.17	149.70	160.58	0.00	0.16	0.33	0.49	0.66	0.82	0.99	1.15	1.32	1.48
1160	115.45	123.07	133.39	141.04	143.69	151.15	161.22	163.78	171.24	183.73	0.00	0.21	0.41	0.62	0.82	1.03	1.23	1.44	1.64	1.85
1200	118.95	126.89	137.51	145.47	148.13	155.92	166.30	168.90	176.61	189.46	0.00	0.24	0.47	0.71	0.95	1.18	1.42	1.65	1.89	2.13
1400	136.85	145.91	158.11	167.16	170.29	179.16	191.12	194.16	202.97	217.72	0.00	0.25	0.49	0.74	0.99	1.23	1.48	1.73	1.97	2.22
1600	154.26	164.61	178.35	188.66	192.10	202.17	215.61	218.96	228.92	245.52	0.00	0.28	0.57	0.85	1.13	1.42	1.7	1.99	2.27	2.55
1750	167.34	178.41	193.35	204.44	208.27	219.05	233.61	237.31	248.05	266.03	0.00	0.29	0.57	0.86	1.15	1.44	1.73	2.01	2.3	2.59
2000	188.51	201.14	217.93	230.52	234.72	246.97	263.29	267.38	279.47	299.62	0.00	0.33	0.66	0.99	1.32	1.64	1.97	2.3	2.63	2.96
2400	222.02	236.69	256.38	271.00	276.06	290.23	309.37	314.24	328.26	351.75	0.00	0.36	0.71	1.07	1.43	1.79	2.15	2.5	2.86	3.22
2800	254.28	271.25	293.70	310.54	316.15	332.42	354.12	359.55	375.46	401.97	0.00	0.37	0.74	1.11	1.48	1.85	2.22	2.59	2.96	3.33
3200	286.13	304.94	330.01	348.62	355.05	372.95	397.12	403.26			0.00	0.41	0.82	1.23	1.64	2.06	2.47	2.88	3.29	3.7
3500	309.05	329.53	356.45	376.64	383.37						0.00	0.48	0.95	1.43	1.91	2.38	2.86	3.34	3.82	4.29
4000	346.86	369.42	184.57								0.00	0.72	1.44	2.16	2.88	3.6	4.32	5.04	5.76	6.47
4500											0.00	0.82	1.64	2.47	3.29	4.11	4.93	5.75	6.58	7.4
5000											0.00	1.24	2.46	3.7	4.93	6.17	7.4	8.63	9.87	11.1
5500											0.00	1.42	2.83	4.26	5.67	7.09	8.51	9.93	11.3	12.8
											0.00	1.65	3.29	4.94	6.58	8.22	9.87	11.5	13.2	14.8
											0.00	1.85	3.7	5.56	7.4	9.25	11.1	12.9	14.8	16.6
											0.00	2.06	4.11	6.17	8.22	10.3	12.3	14.4	16.4	18.5
											0.00	2.27	4.52	6.79	9.04	11.3	13.6	15.8	18.1	20.3

SELECTION

DODGE

HT500 Basic HP Ratings - 14mm

14M-20	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																		
RPM Small Shaft	28 4.912	29 5.088	30 5.263	31 5.439	32 5.614	33 5.790	34 5.965	35 6.141	36 6.316	37 6.492	38 6.667	39 6.842	40 7.018	41 7.193	42 7.369	44 7.720	45 7.895	48 8.421	50 8.772
10	1.17	1.22	1.27	1.32	1.36	1.41	1.45	1.50	1.54	1.59	1.63	1.68	1.72	1.77	1.82	1.91	1.96	2.09	2.18
20	1.84	1.92	1.99	2.07	2.14	2.21	2.28	2.36	2.43	2.51	2.58	2.65	2.72	2.79	2.86	3.01	3.08	3.30	3.45
40	3.06	3.18	3.31	3.44	3.56	3.69	3.81	3.94	4.06	4.19	4.31	4.43	4.55	4.67	4.80	5.04	5.16	5.53	5.78
60	4.20	4.37	4.55	4.72	4.89	5.07	5.24	5.42	5.59	5.76	5.93	6.10	6.27	6.44	6.61	6.95	7.12	7.63	7.97
100	6.35	6.62	6.88	7.15	7.42	7.69	7.95	8.22	8.48	8.75	9.01	9.27	9.53	9.79	10.05	10.57	10.83	11.61	12.13
200	11.33	11.82	12.31	12.80	13.28	13.76	14.24	14.72	15.20	15.68	16.16	16.63	17.11	17.58	18.05	19.00	19.47	20.88	21.81
300	15.99	16.69	17.39	18.08	18.77	19.46	20.15	20.84	21.52	22.20	22.88	23.56	24.23	24.91	25.58	26.93	27.60	29.59	30.92
400	20.46	21.36	22.25	23.14	24.03	24.92	25.80	26.68	27.56	28.44	29.32	30.19	31.06	31.93	32.79	34.53	35.39	37.96	39.66
500	24.76	25.86	26.95	28.04	29.12	30.20	31.27	32.35	33.42	34.49	35.55	36.61	37.67	38.73	39.78	41.89	42.93	46.06	48.13
600	28.95	30.24	31.52	32.80	34.07	35.34	36.60	37.86	39.12	40.37	41.62	42.86	44.11	45.34	46.58	49.05	50.27	53.94	56.37
700	33.04	34.52	35.98	37.44	38.90	40.35	41.80	43.25	44.69	46.12	47.55	48.98	50.40	51.82	53.23	56.06	57.46	61.65	64.43
800	37.05	38.71	40.35	42.00	43.64	45.27	46.90	48.52	50.14	51.75	53.36	54.96	56.57	58.16	59.74	62.92	64.49	69.20	72.32
870	39.81	41.59	43.37	45.14	46.90	48.66	50.41	52.16	53.90	55.64	57.37	59.10	60.82	62.53	64.24	67.65	69.34	74.41	77.76
1000	44.84	46.86	48.86	50.86	52.85	54.84	56.82	58.79	60.76	62.72	64.68	66.62	68.57	70.50	72.42	76.28	78.18	83.90	87.67
1160	50.89	53.19	55.47	57.75	60.02	62.28	64.53	66.78	69.02	71.25	73.47	75.68	77.89	80.08	82.28	86.66	88.82	95.30	99.58
1200	52.38	54.75	57.10	59.44	61.78	64.11	66.43	68.74	71.05	73.34	75.63	77.91	80.19	82.44	84.70	89.21	91.43	98.11	102.52
1400	59.70	62.42	65.10	67.78	70.46	73.12	75.77	78.41	81.05	83.67	86.28	88.88	91.48	94.05	96.62	101.76	104.29	111.89	116.90
1600	66.84	69.89	72.91	75.92	78.91	81.89	84.87	87.83	90.78	93.72	96.65	99.55	102.46	105.33	108.21	113.97	116.79	125.28	130.87
1750	72.09	75.38	78.63	81.88	85.12	88.34	91.55	94.74	97.93	101.09	104.25	107.39	110.52	113.62	116.72	122.91	125.95	135.08	141.08
2000	80.63	84.32	87.96	91.60	95.23	98.83	102.43	105.99	109.55	113.08	116.61	120.11	123.61	127.06	130.51	137.41	140.79	150.94	157.60
2400	93.82	98.12	102.37	106.60	110.82	115.00	119.18	123.32	127.45	131.54	135.63	139.68	143.72	147.70	151.67	159.62	163.50	175.15	182.75
2800	106.48	111.36	116.18	120.97	125.75	130.48	135.20	139.87	144.53	149.14	153.74	158.28	162.83	167.27	171.72	180.63	184.95	197.93	
3000	112.61	117.77	122.86	127.92	132.97	137.96	142.94	147.86	152.77	157.62	162.46	167.24	172.01	176.68	181.35	190.68			
3500	127.41	133.22	138.96	144.65	150.32	155.91	161.49	166.98	172.47	177.87	183.26	188.56	193.86						
4000	141.44	147.86	154.18	160.43	166.68	172.80	178.92	184.91	190.90										

14M-20	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)											Additional HP required per belt for speed ratio of speed down drive									
RPM Small Shaft	52 9.123	53 9.299	56 9.825	60 10.527	63 11.053	64 11.229	67 11.755	71 12.457	72 12.632	75 13.158	80 14.036	1.00 to 1.03	1.04 to 1.10	1.11 to 1.19	1.20 to 1.30	1.31 to 1.45	1.46 to 1.67	1.68 to 2.02	2.03 to 2.69	2.70 to 4.64	4.65 and over
10	2.27	2.31	2.44	2.62	2.76	2.80	2.94	3.12	3.16	3.29	3.51										
20	3.59	3.66	3.88	4.16	4.38	4.45	4.66	4.94	5.01	5.22	5.57										
40	6.02	6.14	6.50	6.98	7.34	7.46	7.82	8.29	8.41	8.77	9.36										
60	8.30	8.47	8.97	9.63	10.13	10.30	10.79	11.45	11.61	12.10	12.92										
100	12.64	12.90	13.66	14.68	15.44	15.69	16.44	17.44	17.69	18.44	19.68										
200	22.74	23.20	24.59	26.42	27.79	28.25	29.61	31.43	31.88	33.22	35.46										
300	32.24	32.90	34.87	37.48	39.43	40.08	42.01	44.58	45.22	47.13	50.31	0.00	0.04	0.09	0.13	0.18	0.22	0.27	0.31	0.36	0.4
400	41.36	42.21	44.74	48.08	50.59	51.43	53.90	57.21	58.03	60.47	64.55	0.00	0.05	0.1	0.15	0.2	0.25	0.3	0.36	0.41	0.46
500	50.19	51.22	54.30	58.36	61.41	62.42	65.42	69.42	70.42	73.39	78.33	0.00	0.06	0.12	0.18	0.24	0.3	0.36	0.42	0.47	0.53
600	58.80	60.00	63.61	68.36	71.93	73.12	76.63	81.31	82.48	85.94	91.72	0.00	0.09	0.18	0.27	0.36	0.44	0.53	0.62	0.71	0.8
700	67.20	68.58	72.70	78.13	82.20	83.56	87.57	92.91	94.25	98.20	104.78	0.00	0.1	0.2	0.3	0.41	0.51	0.61	0.71	0.81	0.91
800	75.43	76.97	81.60	87.69	92.25	93.78	98.27	104.25	105.75	110.17	117.54	0.00	0.12	0.24	0.35	0.47	0.59	0.71	0.83	0.95	1.06
870	81.10	82.76	87.73	94.27	99.18	100.81	105.63	112.05	113.66	118.40	126.30	0.00	0.15	0.3	0.46	0.61	0.76	0.91	1.07	1.22	1.37
1000	91.44	93.31	98.91	106.26	111.78	113.62	119.03	126.25	128.05	133.36	142.21	0.00	0.18	0.36	0.53	0.71	0.89	1.07	1.24	1.42	1.6
1160	103.86	105.98	112.32	120.65	126.89	128.97	135.08	143.22	145.25	151.23	161.20	0.00	0.2	0.41	0.61	0.81	1.02	1.22	1.42	1.62	1.83
1200	106.92	109.10	115.62	124.18	130.60	132.74	139.01	147.38	149.47	155.61	165.85	0.00	0.25	0.51	0.76	1.02	1.27	1.52	1.78	2.03	2.28
1400	121.91	124.38	131.79	141.49	148.76	151.18	158.26	167.70	170.06	176.97	188.48	0.00	0.29	0.58	0.88	1.17	1.46	1.75	2.04	2.33	2.63
1600	136.45	139.20	147.45	158.21	166.28	168.98	176.80	187.24	189.85	197.44	210.10	0.00	0.3	0.61	0.91	1.22	1.52	1.83	2.13	2.44	2.74
1750	147.07	150.02	158.87	170.39	179.02	181.90	190.25	201.38	204.16	212.22	225.66	0.00	0.35	0.7	1.05	1.4	1.75	2.1	2.45	2.8	3.15
2000	164.24	167.51	177.29	189.97	199.47	202.65						0.00	0.36	0.71	1.07	1.42	1.78	2.13	2.49	2.84	3.2
2400	190.34	194.05	205.17									0.00	0.41	0.81	1.22	1.62	2.03	2.44	2.84	3.25	3.65
2800												0.00	0.44	0.88	1.32	1.77	2.21	2.65	3.09	3.53	3.97
3000												0.00	0.46	0.91	1.37	1.83	2.28	2.74	3.2	3.65	4.11
3500												0.00	0.51	1.01	1.52	2.03	2.54	3.04	3.55	4.06	4.57
4000												0.00	0.59	1.18	1.77	2.35	2.94	3.53	4.12	4.71	5.3
												0.00	0.89	1.78	2.66	3.55	4.44	5.33	6.22	7.1	7.99
												0.00	1.02	2.03	3.04	4.06	5.08	6.09	7.1	8.12	9.13
												0.00	1.52	3.04	4.57	6.09	7.61	9.13	10.7	12.2	13.7
												0.00	1.75	3.5	5.25	7	8.75	10.5	12.3	14	15.8
												0.00	2.03	4.06	6.09	8.12	10.2	12.2	14.2	16.2	18.3

Selection program available online at ptwizard.com

DODGE

HT500 Basic HP Ratings - 14mm

14M-37	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																		
RPM Small Shaft	28 4.912	29 5.088	30 5.263	31 5.439	32 5.614	33 5.790	34 5.965	35 6.141	36 6.316	37 6.492	38 6.667	39 6.842	40 7.018	41 7.193	42 7.369	44 7.720	45 7.895	48 8.421	50 8.772
10	2.16	2.26	2.35	2.43	2.52	2.60	2.68	2.77	2.85	2.93	3.02	3.10	3.18	3.27	3.36	3.53	3.62	3.87	4.03
20	3.40	3.55	3.68	3.82	3.96	4.09	4.22	4.36	4.50	4.63	4.77	4.90	5.03	5.17	5.30	5.57	5.70	6.11	6.37
40	5.66	5.88	6.12	6.35	6.59	6.82	7.05	7.28	7.51	7.74	7.97	8.20	8.42	8.64	8.87	9.32	9.55	10.23	10.68
60	7.77	8.08	8.42	8.73	9.05	9.37	9.69	10.02	10.34	10.66	10.97	11.28	11.60	11.91	12.23	12.86	13.17	14.12	14.74
100	11.75	12.25	12.73	13.23	13.73	14.22	14.71	15.20	15.69	16.18	16.67	17.15	17.63	18.11	18.59	19.55	20.04	21.48	22.43
200	20.96	21.87	22.77	23.67	24.57	25.46	26.34	27.23	28.12	29.01	29.90	30.77	31.65	32.53	33.40	35.15	36.02	38.63	40.35
300	29.58	30.88	32.17	33.45	34.72	36.00	37.28	38.54	39.81	41.07	42.33	43.58	44.83	46.07	47.32	49.82	51.05	54.74	57.19
400	37.85	39.52	41.16	42.81	44.46	46.09	47.73	49.36	50.99	52.61	54.24	55.85	57.46	59.06	60.67	63.88	65.47	70.23	73.37
500	45.81	47.84	49.86	51.86	53.87	55.86	57.85	59.84	61.83	63.80	65.77	67.73	69.69	71.64	73.59	77.50	79.43	85.21	89.03
600	53.56	55.94	58.31	60.68	63.03	65.37	67.71	70.04	72.37	74.68	77.00	79.30	81.60	83.89	86.17	90.74	93.00	99.79	104.29
700	61.12	63.86	66.56	69.26	71.97	74.65	77.33	80.00	82.68	85.32	87.97	90.60	93.24	95.86	98.48	103.71	106.30	114.05	119.19
800	68.54	71.61	74.65	77.70	80.73	83.75	86.77	89.76	92.76	95.74	98.72	101.68	104.65	107.59	110.52	116.40	119.30	128.02	133.79
870	73.65	76.94	80.23	83.50	86.77	90.01	93.26	96.49	99.72	102.92	106.13	109.33	112.52	115.68	118.83	125.15	128.28	137.66	143.85
1000	82.95	86.69	90.39	94.09	97.77	101.45	105.12	108.76	112.41	116.03	119.66	123.25	126.85	130.42	133.98	141.12	144.64	155.22	162.20
1160	94.15	98.40	102.62	106.83	111.04	115.21	119.38	123.53	127.69	131.80	135.92	140.01	144.10	148.15	152.21	160.32	164.32	176.31	184.22
1200	96.90	101.29	105.64	109.97	114.29	118.60	122.90	127.17	131.44	135.68	139.92	144.13	148.35	152.52	156.69	165.04	169.15	181.50	189.66
1400	110.45	115.48	120.44	125.39	130.35	135.26	140.17	145.06	149.94	154.78	159.62	164.43	169.24	173.99	178.75	188.26	192.94	207.00	216.27
1600	123.65	129.30	134.88	140.44	145.98	151.50	157.01	162.48	167.94	173.37	178.80	184.17	189.55	194.87	200.19	210.84	216.07	231.77	242.11
1750	133.37	139.45	145.47	151.47	157.47	163.42	169.37	175.27	181.17	187.02	192.86	198.66	204.46	210.19	215.92	227.38	233.01	249.90	260.99
2000	149.17	155.99	162.73	169.46	176.18	182.84	189.50	196.09	202.67	209.20	215.73	222.20	228.68	235.05	241.43	254.21	260.46	279.24	291.55
2400	173.57	181.52	189.38	197.20	205.02	212.75	220.48	228.13	235.78	243.35	250.92	258.40	265.88	273.24	280.59	295.30	302.48	324.03	338.08
2800	196.99	206.02	214.93	223.80	232.64	241.39	250.12	258.76	267.38	275.90	284.42	292.82	301.24	309.46	317.69	334.17	342.16	366.17	
3000	208.33	217.87	227.29	236.64	245.99	255.22	264.44	273.53	282.62	291.59	300.55	309.38	318.22	326.85	335.49	352.76			
3500	235.71	246.46	257.08	267.60	278.09	288.44	298.76	308.92	319.07	329.05	339.03	348.83	358.64						
4000	261.66	273.54	285.23	296.80	308.36	319.68	331.00	342.08	353.17										

14M-37	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)											Additional HP required per belt for speed ratio of speed down drive									
RPM Small Shaft	52 9.123	53 9.299	56 9.825	60 10.527	63 11.053	64 11.229	67 11.755	71 12.457	72 12.632	75 13.158	80 14.036	1.00 to 1.03	1.04 to 1.10	1.11 to 1.19	1.20 to 1.30	1.31 to 1.45	1.46 to 1.67	1.68 to 2.02	2.03 to 2.69	2.70 to 4.64	4.65 and over
10	4.20	4.28	4.51	4.85	5.10	5.18	5.43	5.76	5.85	6.09	6.49										
20	6.64	6.78	7.18	7.71	8.10	8.23	8.62	9.14	9.27	9.66	10.30										
40	11.14	11.36	12.03	12.91	13.58	13.80	14.46	15.34	15.56	16.22	17.32										
60	15.36	15.67	16.59	17.82	18.75	19.06	19.96	21.18	21.48	22.39	23.90										
100	23.38	23.86	25.27	27.15	28.56	29.03	30.41	32.26	32.73	34.11	36.41										
200	42.07	42.93	45.49	48.88	51.41	52.26	54.78	58.14	58.98	61.46	65.60										
300	59.64	60.86	64.51	69.33	72.94	74.15	77.71	82.47	83.66	87.19	93.07	0.00	0.08	0.17	0.25	0.33	0.41	0.5	0.58	0.66	0.74
400	76.52	78.08	82.77	88.96	93.60	95.15	99.72	105.83	107.36	111.88	119.42	0.00	0.09	0.19	0.28	0.38	0.47	0.56	0.66	0.75	0.84
500	92.85	94.75	100.46	107.97	113.60	115.48	121.03	128.43	130.28	135.76	144.91	0.00	0.11	0.22	0.33	0.44	0.55	0.66	0.77	0.88	0.99
600	108.78	111.01	117.68	126.47	133.07	135.27	141.76	150.42	152.59	159.00	169.68	0.00	0.16	0.33	0.49	0.66	0.82	0.99	1.15	1.31	1.48
700	124.32	126.86	134.50	144.54	152.07	154.59	162.00	171.89	174.36	181.67	193.84	0.00	0.19	0.38	0.56	0.75	0.94	1.13	1.31	1.5	1.69
800	139.55	142.40	150.96	162.22	170.67	173.49	181.79	192.87	195.64	203.82	217.45	0.00	0.22	0.44	0.66	0.88	1.09	1.31	1.53	1.75	1.97
870	150.04	153.10	162.30	174.40	183.47	186.50	195.41	207.30	210.27	219.04	233.66	0.00	0.28	0.56	0.84	1.13	1.41	1.69	1.97	2.25	2.53
1000	169.16	172.62	182.98	196.59	206.79	210.20	220.20	233.56	236.89	246.72	263.09	0.00	0.33	0.66	0.99	1.31	1.64	1.97	2.3	2.63	2.96
1160	192.14	196.05	207.79	223.19	234.74	238.59	249.89	264.95	268.71	279.78	298.22	0.00	0.38	0.75	1.13	1.5	1.88	2.25	2.63	3	3.38
1200	197.80	201.83	213.90	229.73	241.60	245.57	257.17	272.65	276.52	287.88	306.82	0.00	0.47	0.94	1.41	1.88	2.35	2.82	3.29	3.75	4.22
1400	225.53	230.10	243.81	261.75	275.20	279.68	292.78	310.25	314.61	327.39	348.69	0.00	0.54	1.08	1.62	2.16	2.7	3.24	3.78	4.32	4.86
1600	252.43	257.52	272.78	292.69	307.62	312.61	327.09	346.40	351.22	365.27	388.69	0.00	0.56	1.13	1.69	2.25	2.82	3.38	3.94	4.51	5.07
1750	272.08	277.54	293.91	315.21	331.19	336.52	351.96	372.55	377.70	392.61	417.47	0.00	0.65	1.3	1.94	2.59	3.24	3.89	4.53	5.18	5.83
2000	303.84	309.89	327.99	351.44	369.03	374.90						0.00	0.66	1.31	1.97	2.63	3.29	3.94	4.6	5.26	5.91
2400	352.13	358.99	379.56									0.00	0.75	1.5	2.25	3	3.76	4.51	5.26	6.01	6.76
2800												0.00	0.82	1.63	2.45	3.27	4.08	4.9	5.72	6.53	7.35
3200												0.00	0.85	1.69	2.53	3.38	4.23	5.07	5.91	6.76	7.6
3600												0.00	0.94	1.88	2.82	3.76	4.69	5.63	6.57	7.51	8.45
4000												0.00	1.09	2.18	3.27	4.36	5.45	6.53	7.62	8.71	9.8
												0.00	1.64	3.29	4.93	6.57	8.22	9.85	11.5	13.1	14.8
												0.00	1.88	3.76	5.63	7.51	9.39	11.3	13.1	15	16.9
												0.00	2.82	5.63	8.45	11.3	14.1	16.9	19.7	22.5	25.3
												0.00	3.24	6.48	9.71	13	16.2	19.4	22.7	25.9	29.1
												0.00	3.76	7.51	11.3	15	18.8	22.5	26.3	30	33.8

SELECTION

DODGE

HT500 Basic HP Ratings - 14mm

14M-68	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																		
RPM Small Shaft	28 4.912	29 5.088	30 5.263	31 5.439	32 5.614	33 5.790	34 5.965	35 6.141	36 6.316	37 6.492	38 6.667	39 6.842	40 7.018	41 7.193	42 7.369	44 7.720	45 7.895	48 8.421	50 8.772
10	3.98	4.15	4.32	4.47	4.62	4.78	4.93	5.08	5.24	5.39	5.54	5.70	5.85	6.01	6.17	6.49	6.65	7.11	7.41
20	6.26	6.53	6.77	7.02	7.28	7.51	7.75	8.01	8.26	8.52	8.77	9.01	9.25	9.49	9.74	10.23	10.48	11.22	11.71
40	10.40	10.81	11.25	11.68	12.10	12.53	12.95	13.38	13.80	14.23	14.65	15.06	15.47	15.89	16.30	17.14	17.55	18.80	19.64
60	14.28	14.86	15.47	16.05	16.63	17.22	17.82	18.41	19.01	19.58	20.16	20.74	21.32	21.90	22.47	23.63	24.21	25.94	27.08
100	21.59	22.51	23.39	24.31	25.23	26.13	27.03	27.93	28.83	29.73	30.63	31.52	32.40	33.29	34.17	35.94	36.82	39.47	41.23
200	38.52	40.19	41.85	43.51	45.15	46.79	48.42	50.05	51.68	53.31	54.94	56.56	58.17	59.78	61.38	64.60	66.20	70.99	74.16
300	54.37	56.75	59.13	61.47	63.82	66.16	68.51	70.84	73.17	75.48	77.79	80.09	82.38	84.68	86.97	91.56	93.82	100.61	105.11
400	69.56	72.62	75.65	78.68	81.70	84.71	87.72	90.71	93.70	96.70	99.69	102.64	105.60	108.55	111.50	117.40	120.31	129.06	134.85
500	84.18	87.92	91.63	95.32	99.01	102.66	106.32	109.97	113.63	117.25	120.87	124.47	128.08	131.67	135.25	142.43	145.97	156.60	163.63
600	98.43	102.82	107.17	111.51	115.84	120.14	124.44	128.73	133.01	137.26	141.51	145.74	149.97	154.17	158.37	166.77	170.92	183.40	191.67
700	112.34	117.37	122.33	127.30	132.26	137.19	142.12	147.03	151.95	156.81	161.67	166.52	171.36	176.17	180.98	190.60	195.36	209.61	219.05
800	125.97	131.61	137.19	142.79	148.38	153.93	159.46	164.97	170.48	175.95	181.42	186.88	192.34	197.73	203.13	213.93	219.26	235.28	245.88
870	135.35	141.41	147.46	153.46	159.46	165.43	171.39	177.33	183.26	189.16	195.06	200.92	206.79	212.59	218.40	230.01	235.76	252.99	264.37
1000	152.46	159.32	166.12	172.92	179.69	186.45	193.19	199.89	206.58	213.25	219.91	226.52	233.14	239.68	246.24	259.35	265.82	285.26	298.09
1160	173.03	180.85	188.60	196.33	204.07	211.74	219.40	227.04	234.67	242.23	249.80	257.31	264.83	272.28	279.74	294.64	301.99	324.02	338.57
1200	178.09	186.15	194.14	202.11	210.05	217.97	225.86	233.72	241.57	249.36	257.14	264.89	272.65	280.30	287.97	303.31	310.87	333.57	348.56
1400	202.98	212.23	221.34	230.45	239.56	248.59	257.62	266.59	275.57	284.46	293.35	302.19	311.03	319.77	328.51	345.98	354.59	380.43	397.46
1600	227.26	237.63	247.89	258.11	268.29	278.44	288.56	298.61	308.65	318.63	328.61	338.48	348.36	358.14	367.92	387.50	397.10	425.95	444.96
1750	245.11	256.29	267.34	278.38	289.41	300.34	311.27	322.12	332.96	343.71	354.45	365.11	375.77	386.30	396.83	417.89	428.24	459.27	479.66
2000	274.14	286.69	299.06	311.45	323.78	336.04	348.26	360.37	372.47	384.47	396.47	408.37	420.27	431.99	443.72	467.19	478.68	513.20	535.83
2400	318.99	333.61	348.06	362.42	376.79	391.00	405.21	419.27	433.33	447.24	461.14	474.90	488.65	502.16	515.68	542.71	555.91	595.51	621.33
2800	362.03	378.62	395.01	411.31	427.55	443.64	459.68	475.55	491.40	507.06	522.72	538.16	553.62	568.73	583.86	614.14	628.83	672.96	
3000	382.87	400.42	417.72	434.91	452.10	469.05	486.00	502.71	519.42	535.89	552.36	568.60	584.83	600.70	616.57	648.31			
3500	433.19	452.95	472.46	491.81	511.09	530.10	549.07	567.75	586.40	604.74	623.08	641.09	659.12	494.53	329.80				
4000	480.90	502.72	524.21	545.46	566.71	587.52	608.33	628.69	649.06	324.53									

14M-68	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)											Additional HP required per belt for speed ratio of speed down drive									
RPM Small Shaft	52 9.123	53 9.299	56 9.825	60 10.527	63 11.053	64 11.229	67 11.755	71 12.457	72 12.632	75 13.158	80 14.036	1.00 to 1.03	1.04 to 1.10	1.11 to 1.19	1.20 to 1.30	1.31 to 1.45	1.46 to 1.67	1.68 to 2.02	2.03 to 2.69	2.70 to 4.64	4.65 and over
10	7.72	7.86	8.30	8.91	9.37	9.52	9.98	10.59	10.74	11.19	11.93										
20	12.21	12.45	13.19	14.16	14.89	15.13	15.84	16.80	17.03	17.75	18.94										
40	20.47	20.88	22.10	23.73	24.96	25.36	26.58	28.19	28.59	29.81	31.82										
60	28.22	28.79	30.50	32.76	34.45	35.02	36.69	38.92	39.47	41.14	43.93										
100	42.98	43.84	46.44	49.90	52.48	53.35	55.90	59.30	60.15	62.68	66.91										
200	77.32	78.89	83.61	89.83	94.49	96.05	100.68	106.85	108.39	112.96	120.56										
300	109.62	111.85	118.56	127.42	134.06	136.27	142.83	151.56	153.75	160.24	171.05	0.00	0.15	0.3	0.46	0.61	0.76	0.91	1.06	1.21	1.37
400	140.62	143.50	152.12	163.49	172.01	174.86	183.27	194.50	197.30	205.61	219.47	0.00	0.17	0.35	0.52	0.69	0.86	1.03	1.21	1.38	1.55
500	170.65	174.14	184.62	198.42	208.78	212.23	222.43	236.03	239.43	249.51	266.32	0.00	0.2	0.4	0.61	0.81	1.01	1.21	1.41	1.61	1.82
600	199.92	204.01	216.27	232.44	244.56	248.61	260.54	276.46	280.43	292.21	311.85	0.00	0.3	0.6	0.91	1.21	1.51	1.81	2.11	2.42	2.72
700	228.48	233.16	247.18	265.64	279.49	284.10	297.73	315.91	320.45	333.88	356.25	0.00	0.35	0.69	1.03	1.38	1.73	2.07	2.42	2.76	3.11
800	256.46	261.71	277.44	298.14	313.66	318.85	334.11	354.46	359.55	374.58	399.64	0.00	0.4	0.8	1.21	1.61	2.01	2.41	2.81	3.22	3.62
870	275.74	281.38	298.28	320.52	337.20	342.75	359.14	380.98	386.44	402.56	429.42	0.00	0.52	1.04	1.55	2.07	2.59	3.1	3.62	4.14	4.66
1000	310.90	317.25	336.29	361.29	380.04	386.31	404.70	429.24	435.37	453.42	483.51	0.00	0.6	1.21	1.81	2.42	3.02	3.62	4.23	4.83	5.43
1160	353.12	360.32	381.89	410.19	431.42	438.50	459.26	486.93	493.85	514.19	548.08	0.00	0.69	1.38	2.07	2.76	3.45	4.14	4.83	5.52	6.21
1200	363.53	370.93	393.11	422.20	444.02	451.32	472.64	501.09	508.20	529.08	563.89	0.00	0.86	1.73	2.59	3.45	4.31	5.17	6.04	6.9	7.76
1400	414.49	422.89	448.09	481.05	505.77	514.01	538.08	570.18	578.20	601.69	640.83	0.00	0.99	1.98	2.98	3.97	4.96	5.95	6.94	7.94	8.93
1600	463.93	473.29	501.33	537.92	565.36	574.53	601.13	636.62	645.49	671.31	714.34	0.00	1.04	2.07	3.1	4.14	5.18	6.21	7.25	8.28	9.32
1750	500.04	510.07	540.16	579.31	608.67	618.46	646.84	684.68	694.14	721.56	767.24	0.00	1.19	2.38	3.57	4.76	5.95	7.14	8.33	9.52	10.7
2000	558.42	569.52	602.79	645.88	678.21	689.01						0.00	1.21	2.42	3.62	4.83	6.04	7.24	8.45	9.66	10.9
2400	647.16	659.76	697.58									0.00	1.38	2.76	4.14	5.52	6.9	8.28	9.66	11	12.4
2800												0.00	1.5	3	4.5	6	7.51	9	10.5	12	13.5
3000												0.00	1.55	3.11	4.66	6.21	7.76	9.31	10.9	12.4	14
3500												0.00	1.73	3.45	5.17	6.9	8.63	10.3	12.1	13.8	15.5
4000												0.00	2	4	6	8.01	10	12	14	16	18
												0.00	3.02	6.04	9.05	12.1	15.1	18.1	21.1	24.2	27.2
												0.00	3.45	6.9	10.3	13.8	17.3	20.7	24.2	27.6	31.1
												0.00	5.18	10.4	15.5	20.7	25.9	31	36.2	41.4	46.6
												0.00	5.96	11.9	17.9	23.8	29.8	35.7	41.7	47.6	53.6
												0.00	6.91	13.8	20.7	27.6	34.5	41.4	48.3	55.2	62.1

HT500 Basic HP Ratings - 14mm

14M-90	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																		
RPM Small Shaft	28 4.912	29 5.088	30 5.263	31 5.439	32 5.614	33 5.790	34 5.965	35 6.141	36 6.316	37 6.492	38 6.667	39 6.842	40 7.018	41 7.193	42 7.369	44 7.720	45 7.895	48 8.421	50 8.772
10	5.27	5.49	5.72	5.92	6.12	6.32	6.53	6.73	6.93	7.13	7.34	7.54	7.74	7.95	8.17	8.60	8.80	9.41	9.81
20	8.28	8.64	8.96	9.29	9.63	9.95	10.26	10.60	10.94	11.27	11.61	11.92	12.24	12.57	12.89	13.55	13.87	14.85	15.50
40	13.77	14.31	14.90	15.46	16.02	16.58	17.15	17.71	18.27	18.83	19.40	19.94	20.48	21.03	21.58	22.68	23.23	24.89	25.99
60	18.90	19.67	20.48	21.24	22.01	22.79	23.58	24.37	25.16	25.92	26.69	27.45	28.22	28.98	29.74	31.28	32.04	34.34	35.84
100	28.58	29.79	30.96	32.18	33.39	34.58	35.78	36.97	38.16	39.35	40.55	41.72	42.89	44.06	45.23	47.57	48.74	52.25	54.56
200	50.99	53.19	55.40	57.58	59.76	61.92	64.08	66.24	68.40	70.56	72.72	74.86	77.00	79.12	81.24	85.50	87.61	93.96	98.15
300	71.96	75.11	78.26	81.36	84.47	87.57	90.68	93.76	96.84	99.90	102.96	106.00	109.04	112.07	115.11	121.19	124.18	133.16	139.12
400	92.07	96.12	100.13	104.14	108.14	112.12	116.10	120.06	124.02	127.98	131.94	135.85	139.77	143.67	147.57	155.39	159.24	170.82	178.48
500	111.42	116.37	121.28	126.16	131.04	135.88	140.72	145.55	150.39	155.18	159.98	164.75	169.52	174.26	179.01	188.51	193.20	207.27	216.56
600	130.28	136.08	141.84	147.59	153.32	159.01	164.70	170.37	176.04	181.67	187.29	192.89	198.50	204.05	209.60	220.73	226.22	242.73	253.67
700	148.68	155.34	161.91	168.48	175.05	181.58	188.10	194.60	201.11	207.54	213.98	220.39	226.80	233.17	239.54	252.27	258.56	277.43	289.91
800	166.73	174.20	181.58	188.99	196.38	203.72	211.05	218.35	225.63	232.88	240.12	247.34	254.57	261.70	268.84	283.14	290.20	311.40	325.43
870	179.15	187.16	195.17	203.11	211.05	218.95	226.85	234.70	242.55	250.36	258.17	265.93	273.69	281.37	289.06	304.43	312.03	334.85	349.90
1000	201.78	210.87	219.87	228.86	237.83	246.77	255.69	264.56	273.42	282.24	291.06	299.81	308.57	317.23	325.90	343.26	351.82	377.55	394.53
1160	229.01	239.36	249.62	259.85	270.09	280.24	290.39	300.49	310.59	320.60	330.62	340.56	350.51	360.37	370.24	389.97	399.69	428.85	448.11
1200	235.71	246.38	256.95	267.50	278.01	288.49	298.94	309.34	319.73	330.03	340.34	350.59	360.86	370.99	381.14	401.45	411.45	441.50	461.34
1400	268.65	280.89	292.95	305.01	317.07	329.02	340.97	352.85	364.73	376.49	388.26	399.96	411.66	423.23	434.79	457.92	469.32	503.51	526.05
1600	300.78	314.51	328.10	341.62	355.10	368.52	381.92	395.22	408.51	421.72	434.93	447.99	461.07	474.00	486.95	512.87	525.58	563.76	588.92
1750	324.41	339.21	353.84	368.44	383.04	397.51	411.98	426.33	440.69	454.91	469.13	483.23	497.34	511.28	525.22	553.10	566.79	607.86	634.84
2000	362.84	379.44	395.82	412.21	428.54	444.76	460.94	476.97	492.98	508.86	524.75	540.49	556.25	571.75	587.27	618.35	633.55	679.23	709.18
2400	422.19	441.54	460.67	479.68	498.69	517.50	536.31	554.92	573.53	591.93	610.34	628.54	646.74	664.63	682.52	718.29	735.76	788.18	822.35
2800	479.16	501.12	522.81	544.38	565.88	587.17	608.40	629.41	650.39	671.11	691.83	712.27	732.74	752.74	772.76	812.84	832.28	890.69	
3000	506.75	529.97	552.87	575.62	598.37	620.80	643.23	665.35	687.47	709.27	731.07	752.56	774.05	795.05	816.05	858.06			
3500	573.35	599.49	625.32	650.93	676.44	701.61	726.71	751.43	776.12	800.39	824.67	848.51	872.37						
4000	636.48	665.37	693.81	721.94	750.06	777.60	805.14	832.10	859.05										

14M-90	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)											Additional HP required per belt for speed ratio of speed down drive									
RPM Small Shaft	52 9.123	53 9.299	56 9.825	60 10.527	63 11.053	64 11.229	67 11.755	71 12.457	72 12.632	75 13.158	80 14.036	1.00 to 1.03	1.04 to 1.10	1.11 to 1.19	1.20 to 1.30	1.31 to 1.45	1.46 to 1.67	1.68 to 2.02	2.03 to 2.69	2.70 to 4.64	4.65 and over
10	10.22	10.41	10.98	11.79	12.40	12.60	13.21	14.02	14.22	14.81	15.80										
20	16.16	16.48	17.46	18.74	19.70	20.03	20.97	22.23	22.55	23.49	25.07										
40	27.09	27.63	29.25	31.41	33.03	33.57	35.17	37.31	37.85	39.45	42.12										
60	37.35	38.10	40.37	43.36	45.60	46.35	48.56	51.51	52.25	54.46	58.14										
100	56.88	58.03	61.47	66.04	69.46	70.61	73.98	78.48	79.61	82.96	88.56										
200	102.33	104.41	110.66	118.89	125.06	127.13	133.25	141.42	143.46	149.50	159.57										
300	145.08	148.04	156.92	168.64	177.43	180.36	189.03	200.60	203.49	212.08	226.40	0.00	0.2	0.4	0.6	0.8	1	1.21	1.41	1.61	1.81
400	186.12	189.93	201.33	216.38	227.66	231.44	242.57	257.42	261.14	272.14	290.48	0.00	0.23	0.46	0.68	0.91	1.14	1.37	1.6	1.83	2.05
500	225.86	230.48	244.35	262.62	276.32	280.89	294.39	312.39	316.89	330.24	352.49	0.00	0.27	0.53	0.8	1.07	1.34	1.6	1.87	2.14	2.4
600	264.60	270.02	286.25	307.64	323.68	329.04	344.83	365.90	371.16	386.75	412.74	0.00	0.4	0.8	1.2	1.6	2	2.4	2.8	3.2	3.6
700	302.40	308.59	327.15	351.59	369.91	376.02	394.06	418.11	424.13	441.89	471.51	0.00	0.46	0.91	1.37	1.83	2.28	2.74	3.2	3.65	4.11
800	339.44	346.38	367.20	394.60	415.14	422.01	442.20	469.14	475.88	495.77	528.93	0.00	0.53	1.06	1.6	2.13	2.66	3.19	3.72	4.26	4.79
870	364.95	372.41	394.79	424.22	446.29	453.65	475.33	504.24	511.47	532.80	568.35	0.00	0.69	1.37	2.05	2.74	3.43	4.11	4.79	5.48	6.16
1000	411.48	419.89	445.10	478.18	503.00	511.29	535.63	568.11	576.23	600.12	639.95	0.00	0.8	1.6	2.4	3.2	4	4.79	5.59	6.39	7.19
1160	467.37	476.89	505.44	542.90	571.00	580.37	607.84	644.47	653.63	680.54	725.40	0.00	0.91	1.83	2.74	3.65	4.57	5.48	6.39	7.31	8.22
1200	481.14	490.94	520.29	558.80	587.68	597.33	625.55	663.21	672.62	700.26	746.33	0.00	1.14	2.28	3.42	4.57	5.71	6.85	7.99	9.13	10.3
1400	548.60	559.71	593.06	636.68	669.40	680.31	712.17	754.65	765.27	796.35	848.16	0.00	1.31	2.63	3.94	5.25	6.57	7.88	9.19	10.5	11.8
1600	614.03	626.41	663.53	711.95	748.27	760.41	795.61	842.59	854.33	888.50	945.45	0.00	1.37	2.74	4.11	5.48	6.85	8.22	9.59	11	12.3
1750	661.82	675.09	714.92	766.73	805.60	818.55	856.11	906.20	918.72	955.00	1015.47	0.00	1.58	3.15	4.73	6.3	7.88	9.45	11	12.6	14.2
2000	739.08	753.77	797.81	854.85	897.63	911.93						0.00	1.6	3.2	4.79	6.39	7.99	9.59	11.2	12.8	14.4
2400	856.53	873.21	923.27									0.00	1.83	3.65	5.48	7.31	9.14	11	12.8	14.6	16.4
2800												0.00	1.99	3.97	5.96	7.95	9.93	11.9	13.9	15.9	17.9
3000												0.00	2.06	4.11	6.16	8.22	10.3	12.3	14.4	16.4	18.5
3500												0.00	2.29	4.57	6.85	9.13	11.4	13.7	16	18.3	20.5
4000												0.00	2.65	5.3	7.94	10.6	13.2	15.9	18.5	21.2	23.8
												0.00	4	7.99	12	16	20	24	28	32	36
												0.00	4.57	9.13	13.7	18.3	22.8	27.4	32	36.5	41.1
												0.00	6.86	13.7	20.5	27.4	34.3	41.1	47.9	54.8	61.6
												0.00	7.88	15.8	23.6	31.5	39.4	47.3	55.1	63	70.9
												0.00	9.14	18.3	27.4	36.5	45.7	54.8	63.9	73.1	82.2

SELECTION

DODGE

HT500 Basic HP Ratings - 14mm

14M-125	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																		
RPM	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	44	45	48	50
Small Shaft	4.912	5.088	5.263	5.439	5.614	5.790	5.965	6.141	6.316	6.492	6.667	6.842	7.018	7.193	7.369	7.720	7.895	8.421	8.772
10	7.31	7.63	7.94	8.22	8.50	8.78	9.06	9.34	9.63	9.91	10.19	10.47	10.75	11.05	11.34	11.94	12.22	13.06	13.63
20	11.50	12.00	12.44	12.91	13.38	13.81	14.25	14.72	15.19	15.66	16.13	16.56	17.00	17.45	17.91	18.81	19.27	20.63	21.53
40	19.13	19.88	20.69	21.47	22.25	23.03	23.81	24.59	25.38	26.16	26.94	27.69	28.44	29.20	29.97	31.50	32.27	34.56	36.09
60	26.25	27.31	28.44	29.50	30.56	31.66	32.75	33.84	34.94	36.00	37.06	38.12	39.19	40.25	41.31	43.44	44.50	47.69	49.78
100	39.69	41.38	43.00	44.69	46.38	48.03	49.69	51.34	53.00	54.66	56.31	57.94	59.56	61.19	62.81	66.06	67.69	72.56	75.78
200	70.81	73.88	76.94	79.97	83.00	86.00	89.00	92.00	95.00	98.00	101.00	103.97	106.94	109.89	112.84	118.75	121.68	130.50	136.32
300	99.94	104.31	108.69	113.00	117.31	121.63	125.94	130.22	134.50	138.75	143.00	147.22	151.44	155.66	159.88	168.31	172.47	184.94	193.22
400	127.88	133.50	139.06	144.64	150.19	155.73	161.25	166.75	172.25	177.75	183.25	188.68	194.13	199.54	204.96	215.81	221.17	237.25	247.88
500	154.75	161.63	168.44	175.22	182.00	188.72	195.44	202.16	208.88	215.53	222.19	228.81	235.44	242.03	248.63	261.81	268.33	287.88	300.78
600	180.94	189.00	197.00	204.98	212.94	220.85	228.75	236.63	244.50	252.31	260.13	267.90	275.69	283.40	291.11	306.56	314.20	337.13	352.33
700	206.50	215.75	224.88	234.00	243.13	252.19	261.25	270.28	279.31	288.25	297.19	306.09	315.00	323.84	332.69	350.38	359.11	385.31	402.66
800	231.56	241.94	252.19	262.49	272.75	282.95	293.13	303.26	313.38	323.44	333.50	343.53	353.56	363.47	373.39	393.25	403.05	432.50	451.99
870	248.81	259.94	271.06	282.09	293.13	304.09	315.06	325.97	336.88	347.72	358.56	369.34	380.13	390.80	401.47	422.81	433.38	465.06	485.97
1000	280.25	292.88	305.38	317.87	330.31	342.74	355.13	367.45	379.75	392.00	404.25	416.40	428.56	440.60	452.64	476.75	488.65	524.38	547.96
1160	318.06	332.44	346.69	360.91	375.13	389.22	403.31	417.34	431.38	445.28	459.19	473.00	486.81	500.52	514.22	541.63	555.13	595.63	622.38
1200	327.38	342.19	356.88	371.53	386.13	400.68	415.19	429.64	444.06	458.38	472.69	486.93	501.19	515.27	529.35	557.56	571.46	613.19	640.74
1400	373.13	390.13	406.88	423.63	440.38	456.97	473.56	490.06	506.56	522.91	539.25	555.50	571.75	587.81	603.88	636.00	651.83	699.31	730.63
1600	417.75	436.81	455.69	474.47	493.19	511.84	530.44	548.92	567.38	585.72	604.06	622.21	640.38	658.34	676.32	712.31	729.97	783.00	817.94
1750	450.56	471.13	491.44	511.72	532.00	552.09	572.19	592.13	612.06	631.81	651.56	671.16	690.75	710.11	729.47	768.19	787.20	844.25	881.72
2000	503.94	527.00	549.75	572.51	595.19	617.72	640.19	662.45	684.69	706.75	728.81	750.68	772.56	794.10	815.66	858.81	879.93	943.38	984.98
2400	586.38	613.25	639.81	666.22	692.63	718.75	744.88	770.72	796.56	822.13	847.69	872.97	898.25	923.09	947.94	997.63	1021.89	1094.69	1142.16
2800	665.50	696.00	726.13	756.09	785.94	815.51	845.00	874.18	903.31	932.10	960.88	989.27	1017.69	1045.47	1073.27	1128.94	1155.94	1237.06	
3000	703.81	736.06	767.88	799.47	831.06	862.22	893.38	924.09	954.81	985.09	1015.38	1045.22	1075.06	1104.23	1133.41	1191.75			
3500	796.31	832.63	868.50	904.07	939.50	974.45	1009.31	1043.65	1077.94	1111.66	1145.38	1178.48	1211.63						
4000	884.00	924.13	963.63	1002.69	1041.75	1080.00	1118.25	1155.69	1193.13	596.56									

14M-125	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)											Additional HP required per belt for speed ratio of speed down drive									
RPM	52	53	56	60	63	64	67	71	72	75	80	1.00 to	1.04 to	1.11 to	1.20 to	1.31 to	1.46 to	1.68 to	2.03 to	2.70 to	4.65
Small Shaft	9.123	9.299	9.825	10.527	11.053	11.229	11.755	12.457	12.632	13.158	14.036	1.03	1.10	1.19	1.30	1.45	1.67	2.02	2.69	4.64	and over
10	14.19	14.45	15.25	16.38	17.22	17.50	18.34	19.47	19.75	20.57	21.94										
20	22.44	22.89	24.25	26.03	27.37	27.81	29.12	30.88	31.31	32.62	34.81										
40	37.63	38.38	40.63	43.63	45.88	46.63	48.85	51.82	52.56	54.79	58.50										
60	51.88	52.92	56.06	60.22	63.33	64.38	67.44	71.54	72.56	75.63	80.75										
100	79.00	80.59	85.38	91.72	96.48	98.06	102.75	109.00	110.56	115.23	123.00										
200	142.13	145.02	153.69	165.12	173.70	176.56	185.07	196.42	199.25	207.64	221.63										
300	201.50	205.61	217.94	234.22	246.43	250.50	262.55	278.61	282.63	294.55	314.44	0.00	0.28	0.56	0.84	1.12	1.4	1.67	1.95	2.23	2.51
400	258.50	263.79	279.63	300.52	316.20	321.44	336.90	357.53	362.69	377.97	403.44	0.00	0.32	0.63	0.95	1.27	1.59	1.9	2.22	2.54	2.85
500	313.69	320.11	339.38	364.75	383.78	390.13	408.88	433.88	440.13	458.66	489.56	0.00	0.37	0.74	1.11	1.48	1.86	2.23	2.6	2.97	3.34
600	367.50	375.02	397.56	427.27	449.55	457.00	478.93	508.19	515.50	537.16	573.25	0.00	0.56	1.11	1.66	2.22	2.78	3.33	3.88	4.44	4.99
700	420.00	428.59	454.38	488.31	513.77	522.25	547.30	580.71	589.06	613.74	654.88	0.00	0.63	1.27	1.9	2.54	3.17	3.81	4.44	5.07	5.71
800	471.44	481.09	510.00	548.05	576.59	586.13	614.17	651.59	660.94	688.57	734.63	0.00	0.74	1.48	2.22	2.96	3.7	4.43	5.17	5.91	6.65
870	506.88	517.23	548.31	589.19	619.84	630.06	660.18	700.34	710.38	740.00	789.38	0.00	0.95	1.9	2.85	3.81	4.76	5.71	6.66	7.61	8.56
1000	571.50	583.18	618.19	664.14	698.61	710.13	743.93	789.04	800.31	833.50	888.81	0.00	1.11	2.22	3.33	4.44	5.55	6.66	7.77	8.88	9.99
1160	649.13	662.34	702.00	754.03	793.05	806.06	844.22	895.09	907.81	945.20	1007.50	0.00	1.27	2.54	3.8	5.08	6.34	7.61	8.88	10.1	11.4
1200	668.25	681.86	722.63	776.11	816.22	829.63	868.82	921.12	934.19	972.58	1036.56	0.00	1.59	3.17	4.76	6.34	7.93	9.51	11.1	12.7	14.3
1400	761.94	777.38	823.69	884.28	929.73	944.88	989.13	1048.13	1062.88	1106.05	1178.00	0.00	1.82	3.65	5.47	7.3	9.12	10.9	12.8	14.6	16.4
1600	852.81	870.02	921.56	988.82	1039.27	1056.13	1105.02	1170.26	1186.56	1234.02	1313.13	0.00	1.9	3.81	5.71	7.61	9.52	11.4	13.3	15.2	17.1
1750	919.19	937.63	992.94	1064.91	1118.88	1136.88	1189.05	1258.61	1276.00	1326.39	1410.38	0.00	2.19	4.38	6.56	8.75	10.9	13.1	15.3	17.5	19.7
2000	1026.50	1046.91	1108.06	1187.29	1246.71	1266.56						0.00	2.22	4.44	6.66	8.88	11.1	13.3	15.5	17.8	20
2400	1189.63	1212.80	1282.31									0.00	2.54	5.07	7.61	10.2	12.7	15.2	17.8	20.3	22.8
2800												0.00	2.76	5.52	8.28	11	13.8	16.6	19.3	22.1	24.8
3000												0.00	2.86	5.71	8.56	11.4	14.3	17.1	20	22.8	25.7
3500												0.00	3.17	6.34	9.51	12.7	15.9	19	22.2	25.4	28.5
4000												0.00	3.68	7.36	11	14.7	18.4	22.1	25.8	29.4	33.1
												0.00	5.55	11.1	16.6	22.2	27.8	33.3	38.8	44.4	49.9
												0.00	6.35	12.7	19	25.4	31.7	38.1	44.4	50.7	57.1
												0.00	9.52	19	28.5	38.1	47.6	57.1	66.6	76.1	85.6
												0.00	10.9	21.9	32.8	43.8	54.7	65.6	76.6	87.5	98.5
												0.00	12.7	25.4	38	50.8	63.4	76.1	88.8	101.5	114.2

DODGE

8M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		640-8MX	720-8MX	800-8MX	896-8MX	960-8MX	1000-8MX	1040-8MX	1120-8MX	1200-8MX	1224-8MX	1280-8MX	1440-8MX	1600-8MX	1760-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**
1.000	22	2.206	22	2.206	9.13	10.71	12.28	14.17	15.43	16.22	17.00	18.58	20.15	20.63	21.73	24.88	28.03	31.18
1.000	25	2.506	25	2.506	8.66	10.24	11.81	13.70	14.96	15.75	16.53	18.11	19.68	20.16	21.26	24.41	27.56	30.71
1.000	26	2.607	26	2.607	8.50	10.08	11.65	13.54	14.80	15.59	16.37	17.95	19.52	20.00	21.10	24.25	27.40	30.55
1.000	27	2.707	27	2.707	8.35	9.92	11.50	13.39	14.65	15.43	16.22	17.79	19.37	19.84	20.94	24.09	27.24	30.39
1.000	28	2.807	28	2.807	8.19	9.77	11.34	13.23	14.49	15.28	16.06	17.64	19.21	19.69	20.79	23.94	27.09	30.24
1.000	29	2.907	29	2.907	8.03	9.61	11.18	13.07	14.33	15.12	15.90	17.48	19.05	19.53	20.63	23.78	26.93	30.08
1.000	30	3.008	30	3.008	7.88	9.45	11.03	12.92	14.18	14.96	15.75	17.32	18.90	19.37	20.47	23.62	26.77	29.92
1.000	31	3.108	31	3.108	7.72	9.29	10.87	12.76	14.02	14.80	15.59	17.16	18.74	19.21	20.31	23.46	26.61	29.76
1.000	32	3.208	32	3.208	7.56	9.14	10.71	12.60	13.86	14.65	15.43	17.01	18.58	19.06	20.16	23.31	26.46	29.61
1.000	33	3.308	33	3.308	7.40	8.98	10.55	12.44	13.70	14.49	15.27	16.85	18.42	18.90	20.00	23.15	26.30	29.45
1.000	34	3.409	34	3.409	7.25	8.82	10.40	12.29	13.55	14.33	15.12	16.69	18.27	18.74	19.84	22.99	26.14	29.29
1.000	35	3.509	35	3.509	7.09	8.66	10.24	12.13	13.39	14.17	14.96	16.53	18.11	18.58	19.68	22.83	25.98	29.13
1.000	36	3.609	36	3.609	6.93	8.51	10.08	11.97	13.23	14.02	14.80	16.38	17.95	18.43	19.53	22.68	25.83	28.98
1.000	37	3.709	37	3.709	6.77	8.35	9.92	11.81	13.07	13.86	14.64	16.22	17.79	18.27	19.37	22.52	25.67	28.82
1.000	38	3.810	38	3.810	6.62	8.19	9.77	11.66	12.92	13.70	14.49	16.06	17.64	18.11	19.21	22.36	25.51	28.66
1.000	39	3.910	39	3.910	6.46	8.03	9.61	11.50	12.76	13.54	14.33	15.90	17.48	17.95	19.05	22.20	25.35	28.50
1.000	40	4.010	40	4.010	6.30	7.88	9.45	11.34	12.60	13.39	14.17	15.75	17.32	17.80	18.90	22.05	25.20	28.35
1.000	41	4.110	41	4.110	6.14	7.72	9.29	11.18	12.44	13.23	14.01	15.59	17.16	17.64	18.74	21.89	25.04	28.19
1.000	42	4.211	42	4.211	5.99	7.56	9.14	11.03	12.29	13.07	13.86	15.43	17.01	17.48	18.58	21.73	24.88	28.03
1.000	45	4.511	45	4.511	5.51	7.09	8.66	10.55	11.81	12.60	13.38	14.96	16.53	17.01	18.11	21.26	24.41	27.56
1.000	48	4.812	48	4.812		6.62	8.19	10.08	11.34	12.13	12.91	14.49	16.06	16.54	17.64	20.79	23.94	27.09
1.000	50	5.013	50	5.013		6.30	7.88	9.77	11.03	11.81	12.60	14.17	15.75	16.22	17.32	20.47	23.62	26.77
1.000	53	5.314	53	5.314		5.83	7.40	9.29	10.55	11.34	12.12	13.70	15.27	15.75	16.85	20.00	23.15	26.30
1.000	56	5.614	56	5.614			6.93	8.82	10.08	10.87	11.65	13.23	14.80	15.28	16.38	19.53	22.68	25.83
1.000	60	6.015	60	6.015				8.19	9.45	10.24	11.02	12.60	14.17	14.65	15.75	18.90	22.05	25.20
1.000	63	6.316	63	6.316				7.72	8.98	9.76	10.55	12.12	13.70	14.17	15.27	18.42	21.57	24.72
1.000	67	6.717	67	6.717					8.35	9.13	9.92	11.49	13.07	13.54	14.64	17.79	20.94	24.09
1.000	71	7.118	71	7.118					7.72	8.50	9.29	10.86	12.44	12.91	14.01	17.16	20.31	23.46
1.000	75	7.519	75	7.519							8.66	10.23	11.81	12.28	13.38	16.53	19.68	22.83
1.000	80	8.020	80	8.020								9.45	11.02	11.50	12.60	15.75	18.90	22.05
1.024	41	4.110	42	4.211	6.06	7.64	9.21	11.10	12.36	13.15	13.93	15.51	17.08	17.56	18.66	21.81	24.96	28.11
1.025	40	4.010	41	4.110	6.22	7.80	9.37	11.26	12.52	13.31	14.09	15.67	17.24	17.72	18.82	21.97	25.12	28.27
1.026	38	3.810	39	3.910	6.54	8.11	9.69	11.58	12.84	13.62	14.41	15.98	17.56	18.03	19.13	22.28	25.43	28.58
1.026	39	3.910	40	4.010	6.38	7.95	9.53	11.42	12.68	13.46	14.25	15.82	17.40	17.87	18.97	22.12	25.27	28.42
1.027	37	3.709	38	3.810	6.69	8.27	9.84	11.73	12.99	13.78	14.56	16.14	17.71	18.19	19.29	22.44	25.59	28.74
1.028	36	3.609	37	3.709	6.85	8.43	10.00	11.89	13.15	13.94	14.72	16.30	17.87	18.35	19.45	22.60	25.75	28.90
1.029	34	3.409	35	3.509	7.17	8.74	10.32	12.21	13.47	14.25	15.04	16.61	18.19	18.66	19.76	22.91	26.06	29.21
1.029	35	3.509	36	3.609	7.01	8.58	10.16	12.05	13.31	14.09	14.88	16.45	18.03	18.50	19.60	22.75	25.90	29.05
1.030	33	3.308	34	3.409	7.32	8.90	10.47	12.36	13.62	14.41	15.19	16.77	18.34	18.82	19.92	23.07	26.22	29.37
1.031	32	3.208	33	3.308	7.48	9.06	10.63	12.52	13.78	14.57	15.35	16.93	18.50	18.98	20.08	23.23	26.38	29.53
1.032	31	3.108	32	3.208	7.64	9.21	10.79	12.68	13.94	14.72	15.51	17.08	18.66	19.13	20.23	23.38	26.53	29.68
1.033	30	3.008	31	3.108	7.80	9.37	10.95	12.84	14.10	14.88	15.67	17.24	18.82	19.29	20.39	23.54	26.69	29.84
1.034	29	2.907	30	3.008	7.95	9.53	11.10	12.99	14.25	15.04	15.82	17.40	18.97	19.45	20.55	23.70	26.85	30.00
1.036	28	2.807	29	2.907	8.11	9.69	11.26	13.15	14.41	15.20	15.98	17.56	19.13	19.61	20.71	23.86	27.01	30.16
1.037	27	2.707	28	2.807	8.27	9.84	11.42	13.31	14.57	15.35	16.14	17.71	19.29	19.76	20.86	24.01	27.16	30.31
1.038	26	2.607	27	2.707	8.43	10.00	11.58	13.47	14.73	15.51	16.30	17.87	19.45	19.92	21.02	24.17	27.32	30.47
1.040	25	2.506	26	2.607	8.58	10.16	11.73	13.62	14.88	15.67	16.45	18.03	19.60	20.08	21.18	24.33	27.48	30.63
1.042	48	4.812	50	5.013		6.46	8.03	9.92	11.18	11.97	12.75	14.33	15.90	16.38	17.48	20.63	23.78	26.93
1.050	40	4.010	42	4.211	6.14	7.72	9.29	11.18	12.44	13.23	14.01	15.59	17.16	17.64	18.74	21.89	25.04	28.19
1.050	60	6.015	63	6.316				7.95	9.21	10.00	10.78	12.36	13.93	14.41	15.51	18.66	21.81	24.96
1.051	39	3.910	41	4.110	6.30	7.88	9.45	11.34	12.60	13.39	14.17	15.75	17.32	17.80	18.90	22.05	25.20	28.35
1.053	38	3.810	40	4.010	6.46	8.03	9.61	11.50	12.76	13.54	14.33	15.90	17.48	17.95	19.05	22.20	25.35	28.50
1.054	37	3.709	39	3.910	6.62	8.19	9.77	11.66	12.92	13.70	14.49	16.06	17.64	18.11	19.21	22.36	25.51	28.66
1.056	36	3.609	38	3.810	6.77	8.35	9.92	11.81	13.07	13.86	14.64	16.22	17.79	18.27	19.37	22.52	25.67	28.82
1.056	71	7.118	75	7.519						8.19	8.97	10.55	12.12	12.60	13.70	16.85	20.00	23.15
1.057	35	3.509	37	3.709	6.93	8.51	10.08	11.97	13.23	14.02	14.80	16.38	17.95	18.43	19.53	22.68	25.83	28.98
1.057	53	5.314	56	5.614			7.17	9.06	10.32	11.10	11.89	13.46	15.04	15.51	16.61	19.76	22.91	26.06
1.059	34	3.409	36	3.609	7.09	8.66	10.24	12.13	13.39	14.17	14.96	16.53	18.11	18.58	19.68	22.83	25.98	29.13
1.060	50	5.013	53	5.314		6.06	7.64	9.53	10.79	11.57	12.36	13.93	15.51	15.98	17.08	20.23	23.38	26.53
1.060	67	6.717	71	7.118					8.03	8.82	9.60	11.18	12.75	13.23	14.33	17.48	20.63	23.78
1.061	33	3.308	35	3.509	7.25	8.82	10.40	12.29	13.55	14.33	15.12	16.69	18.27	18.74	19.84	22.99	26.14	29.29
1.063	32	3.208	34	3.409	7.40	8.98	10.55	12.44	13.70	14.49	15.27	16.85	18.42	18.90	20.00	23.15	26.30	29.45
1.063	63	6.316	67	6.717				7.40	8.66	9.45	10.23	11.81	13.38	13.86	14.96	18.11	21.26	24.41
1.065	31	3.108	33	3.308	7.56	9.14	10.71	12.60	13.86	14.65	15.43	17.01	18.58	19.06	20.16	23.31	26.46	29.61
1.067	30	3.008	32	3.208	7.72	9.29	10.87	12.76	14.02	14.80	15.59	17.16	18.74	19.21	20.31	23.46	26.61	29.76
1.067	45	4.511	48	4.812	5.28	6.85	8.43	10.32	11.58	12.36	13.15	14.72	16.30	16.77	17.87	21.02	24.17	27.32
1.067	75	7.519	80	8.020								9.84	11.41	11.89	12.99	16.14	19.29	22.44
1.069	29	2.907	31	3.108	7.88	9.45	11.03	12.92	14.18	14.96	15.75	17.32	18.90	19.37	20.47	23.62	26.77	29.92
1.071	28	2.807	30	3.008	8.03	9.61	11.18	13.07	14.33	15.12	15.90	17.48	19.05	19.53	20.63	23.78	26.93	30.08
1.071	42	4.211	45	4.511	5.75	7.32	8.90	10.79	12.05	12.83	13.62	15.19	16.77	17.24	18.34	21.49	24.64	27.79
1.071	56	5.614	60	6.015			6.61	8.50	9.76	10.55	11.33	12.91	14.49	14.96	16.06	19.21	22.36	25.51
1.074	27	2.707	29	2.907	8.19	9.77	11.34	13.23	14.49	15.28	16.06	17.64	19.21	19.69	20.79	23.94	27.09	30.24
1.077	26	2.607	28	2.807	8.35	9.92	11.50	13.39	14.65	15.43	16.22	17.79	19.37	19.84	20.94	24.09	27.24	30.39
1.077	39	3.910	42	4.211	6.22	7.80	9.37	11.26	12.52	13.31	14.09	15.67	17.24	17.72	18.82	21.97	25.12	28.27
1.079	38	3.810	41	4.110	6.38	7.95	9.53	11.42	12.68	13.46	14.25	15.82	17.40	17.87	18.97	22.12	25.27	28.42
1.080	25	2.506	27	2.707	8.51	10.08	11.66	13.55	14.81	15.59	16.38	17.95	19.53	20.00	21.10	24.25	27.40	30.55
1.081	37	3.709	40	4.010	6.54	8.11	9.69	11.58	12.84	13.62	14.41	15.98	17.56	18.03	19.13	22.28	25.43	28.58
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

8M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches														
	Driver		Driven		1792-8MX	2000-8MX	2200-8MX	2240-8MX	2400-8MX	2520-8MX	2600-8MX	2800-8MX	2840-8MX	3048-8MX	3200-8MX	3280-8MX	3600-8MX	4000-8MX	4400-8MX	4480-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches															
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**
1.000	22	2.206	22	2.206	31.81	35.90	39.84	40.63	43.78	46.14	47.71	51.65	52.44	56.53	59.52	61.10	67.40	75.27	83.15	84.72
1.000	25	2.506	25	2.506	31.34	35.43	39.37	40.16	43.31	45.67	47.24	51.18	51.97	56.06	59.05	60.63	66.93	74.80	82.68	84.25
1.000	26	2.607	26	2.607	31.18	35.27	39.21	40.00	43.15	45.51	47.08	51.02	51.81	55.90	58.89	60.47	66.77	74.64	82.52	84.09
1.000	27	2.707	27	2.707	31.02	35.12	39.05	39.84	42.99	45.35	46.93	50.87	51.65	55.75	58.74	60.31	66.61	74.49	82.36	83.94
1.000	28	2.807	28	2.807	30.87	34.96	38.90	39.69	42.84	45.20	46.77	50.71	51.50	55.59	58.58	60.16	66.46	74.33	82.21	83.78
1.000	29	2.907	29	2.907	30.71	34.80	38.74	39.53	42.68	45.04	46.61	50.55	51.34	55.43	58.42	60.00	66.30	74.17	82.05	83.62
1.000	30	3.008	30	3.008	30.55	34.65	38.58	39.37	42.52	44.88	46.46	50.40	51.18	55.28	58.27	59.84	66.14	74.02	81.89	83.47
1.000	31	3.108	31	3.108	30.39	34.49	38.42	39.21	42.36	44.72	46.30	50.24	51.02	55.12	58.11	59.68	65.98	73.86	81.73	83.31
1.000	32	3.208	32	3.208	30.24	34.33	38.27	39.06	42.21	44.57	46.14	50.08	50.87	54.96	57.95	59.53	65.83	73.70	81.58	83.15
1.000	33	3.308	33	3.308	30.08	34.17	38.11	38.90	42.05	44.41	45.98	49.92	50.71	54.80	57.79	59.37	65.67	73.54	81.42	82.99
1.000	34	3.409	34	3.409	29.92	34.02	37.95	38.74	41.89	44.25	45.83	49.77	50.55	54.65	57.64	59.21	65.51	73.39	81.26	82.84
1.000	35	3.509	35	3.509	29.76	33.86	37.79	38.58	41.73	44.09	45.67	49.61	50.39	54.49	57.48	59.05	65.35	73.23	81.10	82.68
1.000	36	3.609	36	3.609	29.61	33.70	37.64	38.43	41.58	43.94	45.51	49.45	50.24	54.33	57.32	58.90	65.20	73.07	80.95	82.52
1.000	37	3.709	37	3.709	29.45	33.54	37.48	38.27	41.42	43.78	45.35	49.29	50.08	54.17	57.16	58.74	65.04	72.91	80.79	82.36
1.000	38	3.810	38	3.810	29.29	33.39	37.32	38.11	41.26	43.62	45.20	49.14	49.92	54.02	57.01	58.58	64.88	72.76	80.63	82.21
1.000	39	3.910	39	3.910	29.13	33.23	37.16	37.95	41.10	43.46	45.04	48.98	49.76	53.86	56.85	58.42	64.72	72.60	80.47	82.05
1.000	40	4.010	40	4.010	28.98	33.07	37.01	37.80	40.95	43.31	44.88	48.82	49.61	53.70	56.69	58.27	64.57	72.44	80.32	81.89
1.000	41	4.110	41	4.110	28.82	32.91	36.85	37.64	40.79	43.15	44.72	48.66	49.45	53.54	56.53	58.11	64.41	72.28	80.16	81.73
1.000	42	4.211	42	4.211	28.66	32.76	36.69	37.48	40.63	42.99	44.57	48.51	49.29	53.39	56.38	57.95	64.25	72.13	80.00	81.58
1.000	45	4.511	45	4.511	28.19	32.28	36.22	37.01	40.16	42.52	44.09	48.03	48.82	52.91	55.90	57.48	63.78	71.65	79.53	81.10
1.000	48	4.812	48	4.812	27.72	31.81	35.75	36.54	39.69	42.05	43.62	47.56	48.35	52.44	55.43	57.01	63.31	71.18	79.06	80.63
1.000	50	5.013	50	5.013	27.40	31.50	35.43	36.22	39.37	41.73	43.31	47.25	48.03	52.13	55.12	56.69	62.99	70.87	78.74	80.32
1.000	53	5.314	53	5.314	26.93	31.02	34.96	35.75	38.90	41.26	42.83	46.77	47.56	51.65	54.64	56.22	62.52	70.39	78.27	79.84
1.000	56	5.614	56	5.614	26.46	30.55	34.49	35.28	38.43	40.79	42.36	46.30	47.09	51.18	54.17	55.75	62.05	69.92	77.80	79.37
1.000	60	6.015	60	6.015	25.83	29.92	33.86	34.65	37.80	40.16	41.73	45.67	46.46	50.55	53.54	55.12	61.42	69.29	77.17	78.74
1.000	63	6.316	63	6.316	25.35	29.45	33.38	34.17	37.32	39.68	41.26	45.20	45.98	50.08	53.07	54.64	60.94	68.82	76.69	78.27
1.000	67	6.717	67	6.717	24.72	28.82	32.75	33.54	36.69	39.05	40.63	44.57	45.35	49.45	52.44	54.01	60.31	68.19	76.06	77.64
1.000	71	7.118	71	7.118	24.09	28.19	32.12	32.91	36.06	38.42	40.00	43.94	44.72	48.82	51.81	53.38	59.68	67.56	75.43	77.01
1.000	75	7.519	75	7.519	23.46	27.56	31.49	32.28	35.43	37.79	39.37	43.31	44.09	48.19	51.18	52.75	59.05	66.93	74.80	76.38
1.000	80	8.020	80	8.020	22.68	26.77	30.71	31.50	34.65	37.01	38.58	42.52	43.31	47.40	50.39	51.97	58.27	66.14	74.02	75.59
1.024	41	4.110	42	4.211	28.74	32.83	36.77	37.56	40.71	43.07	44.64	48.58	49.37	53.46	56.45	58.03	64.33	72.20	80.08	81.65
1.025	40	4.010	41	4.110	28.90	32.99	36.93	37.72	40.87	43.23	44.80	48.74	49.53	53.62	56.61	58.19	64.49	72.36	80.24	81.81
1.026	38	3.810	39	3.910	29.21	33.31	37.24	38.03	41.18	43.54	45.12	49.06	49.84	53.94	56.93	58.50	64.80	72.68	80.55	82.13
1.026	39	3.910	40	4.010	29.05	33.15	37.08	37.87	41.02	43.38	44.96	48.90	49.68	53.78	56.77	58.34	64.64	72.52	80.39	81.97
1.027	37	3.709	38	3.810	29.37	33.46	37.40	38.19	41.34	43.70	45.27	49.21	50.00	54.09	57.08	58.66	64.96	72.83	80.71	82.28
1.028	36	3.609	37	3.709	29.53	33.62	37.56	38.35	41.50	43.86	45.43	49.37	50.16	54.25	57.24	58.82	65.12	72.99	80.87	82.44
1.029	34	3.409	35	3.509	29.84	33.94	37.87	38.66	41.81	44.17	45.75	49.69	50.47	54.57	57.56	59.13	65.43	73.31	81.18	82.76
1.029	35	3.509	36	3.609	29.68	33.78	37.71	38.50	41.65	44.01	45.59	49.53	50.31	54.41	57.40	58.97	65.27	73.15	81.02	82.60
1.030	33	3.308	34	3.409	30.00	34.09	38.03	38.82	41.97	44.33	45.90	49.84	50.63	54.72	57.71	59.29	65.59	73.46	81.34	82.91
1.031	32	3.208	33	3.308	30.16	34.25	38.19	38.98	42.13	44.49	46.06	50.00	50.79	54.88	57.87	59.45	65.75	73.62	81.50	83.07
1.032	31	3.108	32	3.208	30.31	34.41	38.34	39.13	42.28	44.64	46.22	50.16	50.94	55.04	58.03	59.60	65.90	73.78	81.65	83.23
1.033	30	3.008	31	3.108	30.47	34.57	38.50	39.29	42.44	44.80	46.38	50.32	51.10	55.20	58.19	59.76	66.06	73.94	81.81	83.39
1.034	29	2.907	30	3.008	30.63	34.72	38.66	39.45	42.60	44.96	46.53	50.47	51.26	55.35	58.34	59.92	66.22	74.09	81.97	83.54
1.036	28	2.807	29	2.907	30.79	34.88	38.82	39.61	42.76	45.12	46.69	50.63	51.42	55.51	58.50	60.08	66.38	74.25	82.13	83.70
1.037	27	2.707	28	2.807	30.94	35.04	38.97	39.76	42.91	45.27	46.85	50.79	51.57	55.67	58.66	60.23	66.53	74.41	82.28	83.86
1.038	26	2.607	27	2.707	31.10	35.20	39.13	39.92	43.07	45.43	47.01	50.95	51.73	55.83	58.82	60.39	66.69	74.57	82.44	84.02
1.040	25	2.506	26	2.607	31.26	35.35	39.29	40.08	43.23	45.59	47.16	51.10	51.89	55.98	58.97	60.55	66.85	74.72	82.60	84.17
1.042	48	4.812	50	5.013	27.56	31.65	35.59	36.38	39.53	41.89	43.46	47.40	48.19	52.28	55.27	56.85	63.15	71.02	78.90	80.47
1.050	40	4.010	42	4.211	28.82	32.91	36.85	37.64	40.79	43.15	44.72	48.66	49.45	53.54	56.53	58.11	64.41	72.28	80.16	81.73
1.050	60	6.015	63	6.316	25.59	29.68	33.62	34.41	37.56	39.92	41.49	45.44	46.22	50.32	53.31	54.88	61.18	69.06	76.93	78.51
1.051	39	3.910	41	4.110	28.98	33.07	37.01	37.80	40.95	43.31	44.88	48.82	49.61	53.70	56.69	58.27	64.57	72.44	80.32	81.89
1.053	38	3.810	40	4.010	29.13	33.23	37.16	37.95	41.10	43.46	45.04	48.98	49.76	53.86	56.85	58.42	64.72	72.60	80.47	82.05
1.054	37	3.709	39	3.910	29.29	33.39	37.32	38.11	41.26	43.62	45.20	49.14	49.92	54.02	57.01	58.58	64.88	72.76	80.63	82.21
1.056	36	3.609	38	3.810	29.45	33.54	37.48	38.27	41.42	43.78	45.35	49.29	50.08	54.17	57.16	58.74	65.04	72.91	80.79	82.36
1.056	71	7.118	75	7.519	23.78	27.87	31.81	32.60	35.75	38.11	39.68	43.62	44.41	48.50	51.49	53.07	59.37	67.24	75.12	76.69
1.057	35	3.509	37	3.709	29.61	33.70	37.64	38.43	41.58	43.94	45.51	49.45	50.24	54.33	57.32	58.90	65.20	73.07	80.95	82.52
1.057	53	5.314	56	5.614	26.69	30.79	34.72	35.51	38.66	41.02	42.60	46.54	47.32	51.42	54.41	55.98	62.28	70.16	78.03	79.61
1.059	34	3.409	36	3.609	29.76	33.86	37.79	38.58	41.73	44.09	45.67	49.61	50.39	54.49	57.48	59.05	65.35	73.23	81.10	82.68
1.060	50	5.013	53	5.314	27.16	31.26	35.19	35.98	39.13	41.49	43.07	47.01	47.79	51.89	54.88	56.45	62.75	70.63	78.50	80.08
1.060	67	6.717	71	7.118	24.41	28.50	32.44	33.23	36.38	38.74	40.31	44.25	45.04	49.13	52.12	53.70	60.00	67.87	75.75	77.32
1.061	33	3.308	35	3.509	29.92	34.02	37.95	38.74	41.89	44.25	45.83	49.77	50.55	54.65	57.64	59.21	65.51	73.39	81.26	82.84
1.063	32	3.208	34	3.409	30.08	34.17	38.11	38.90	42.05	44.41	45.98	49.92	50.71	54.80	57.79	59.37	65.67	73.54	81.42	82.99
1.063	63	6.316	67	6.717	25.04	29.13	33.07	33.86	37.01	39.37	40.94	44.88	45.67	49.76	52.75	54.33	60.63	68.50	76.38	77.95
1.065	31	3.108	33	3.308	30.24	34.33	38.27	39.06	42.21	44.57	46.14	50.08	50.87	54.96	57.95	59.53	65.83	73.70	81.58	83.15
1.067	30	3.008	32	3.208	30.39	34.49	38.42	39.21	42.36	44.72	46.30	50.24	51.02	55.12	58.11	59.68	65.98	73.86	81.73	83.31
1.067	45	4.511	48	4.812	27.95	32.05	35.98	36.77	39.92	42.28	43.86	47.80	48.58	52.68	55.67	57.24	63.54	71.42	79.29	80.87
1.067	75	7.519	80	8.020	23.07	27.16	31.10	31.89	35.04	37.40	38.97	42.91	43.70	47.80	50.79	52.36	58.66	66.54	74.41	75.99
1.069	29	2.907	31	3.108	30.55	34.65	38.58	39.37	42.52	44.88	46.46	50.40	51.18	55.28	58.27	59.84	66.14	74.02	81.89	83.47
1.071	28	2.807	30	3.008	30.71	34.80	38.74	39.53	42.68	45.04	46.61	50.55	51.34	55.43	58.42	60.00	66.30	74.17	82.05	83.62
1.071	42	4.211	45	4.511	28.42	32.52	36.45	37.24	40.39	42.75	44.33	48.27	49.05	53.15	56.14	57.71	64.01	71.89	79.76	81.34
1.071	56	5.614	60	6.015	26.14	30.24	34.17	34.96	38.11	40.47	42.05	45.99	46.77	50.87	53.86	55.43	61.73	69.61	77.48	79.06
1.074	27	2.707	29	2.907	30.87	34.96	38.90	39.69	42.84	45.20	46.77	50.71	51.50	55.59	58.58	60.16	66.46	74.33	82.21	83.78
1.077	26	2.607	28	2.807	31.02	35.12	39.05	39.84	42.99	45.35	46.93	50.87	51.65	55.75	58.74	60.31	66.61	74.49	82.36	83.94
1.077	39	3.910	42	4.211	28.90	32.99	36.93	37.72	40.87	43.23	44.80	48.74	49.53	53.62	56.61	58.19	64.49	72.36	80.24	81.81
1.079	38	3.810	41	4.110	29.05	33.15	37.08	37.87	41.02	43.38	44.96	48.90	49.68	53.78	56.77	58.34	64.64	72.52	80.39	81.97
1.080	25	2.506	27	2.707	31.18	35.28	39.21	40.00	43.15	45.51	47.09	51.03	51.81	55.91	58.90	60.47	66.77	74.65	82.52	84.10
1.081	37	3.709	40	4.010	29.21	33.31	37.24	38.03	41.18	43.54	45.12	49.06	49.84	53.94	56.93	58.50	64.80	72.68	80.55	82.13
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**

* The length correction factor must be used to determine the proper belt width.

Selection program available online at ptwizard.com

DODGE

8M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		640-8MX	720-8MX	800-8MX	896-8MX	960-8MX	1000-8MX	1040-8MX	1120-8MX	1200-8MX	1224-8MX	1280-8MX	1440-8MX	1600-8MX	1760-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**
1.083	36	3.609	39	3.910	6.69	8.27	9.84	11.73	12.99	13.78	14.56	16.14	17.71	18.19	19.29	22.44	25.59	28.74
1.086	35	3.509	38	3.810	6.85	8.43	10.00	11.89	13.15	13.94	14.72	16.30	17.87	18.35	19.45	22.60	25.75	28.90
1.088	34	3.409	37	3.709	7.01	8.58	10.16	12.05	13.31	14.09	14.88	16.45	18.03	18.50	19.60	22.75	25.90	29.05
1.091	33	3.308	36	3.609	7.17	8.74	10.32	12.21	13.47	14.25	15.04	16.61	18.19	18.66	19.76	22.91	26.06	29.21
1.094	32	3.208	35	3.509	7.32	8.90	10.47	12.36	13.62	14.41	15.19	16.77	18.34	18.82	19.92	23.07	26.22	29.37
1.097	31	3.108	34	3.409	7.48	9.06	10.63	12.52	13.78	14.57	15.35	16.93	18.50	18.98	20.08	23.23	26.38	29.53
1.098	41	4.110	45	4.511	5.83	7.40	8.98	10.87	12.13	12.91	13.70	15.27	16.85	17.32	18.42	21.57	24.72	27.87
1.100	30	3.008	33	3.308	7.64	9.21	10.79	12.68	13.94	14.72	15.51	17.08	18.66	19.13	20.23	23.38	26.53	29.68
1.103	29	2.907	32	3.208	7.80	9.37	10.95	12.84	14.10	14.88	15.67	17.24	18.82	19.29	20.39	23.54	26.69	29.84
1.104	48	4.812	53	5.314		6.22	7.79	9.68	10.94	11.73	12.51	14.09	15.67	16.14	17.24	20.39	23.54	26.69
1.105	38	3.810	42	4.211	6.30	7.87	9.45	11.34	12.60	13.38	14.17	15.74	17.32	17.79	18.89	22.04	25.19	28.34
1.107	28	2.807	31	3.108	7.95	9.53	11.10	12.99	14.25	15.04	15.82	17.40	18.97	19.45	20.55	23.70	26.85	30.00
1.108	37	3.709	41	4.110	6.46	8.03	9.61	11.50	12.76	13.54	14.33	15.90	17.48	17.95	19.05	22.20	25.35	28.50
1.111	27	2.707	30	3.008	8.11	9.69	11.26	13.15	14.41	15.20	15.98	17.56	19.13	19.61	20.71	23.86	27.01	30.16
1.111	36	3.609	40	4.010	6.61	8.19	9.76	11.65	12.91	13.70	14.48	16.06	17.63	18.11	19.21	22.36	25.51	28.66
1.111	45	4.511	50	5.013		6.69	8.27	10.16	11.42	12.20	12.99	14.56	16.14	16.61	17.71	20.86	24.01	27.16
1.114	35	3.509	39	3.910	6.77	8.35	9.92	11.81	13.07	13.86	14.64	16.22	17.79	18.27	19.37	22.52	25.67	28.82
1.115	26	2.607	29	2.907	8.27	9.84	11.42	13.31	14.57	15.35	16.14	17.71	19.29	19.76	20.86	24.01	27.16	30.31
1.117	60	6.015	67	6.717				7.63	8.89	9.68	10.46	12.04	13.62	14.09	15.19	18.34	21.49	24.64
1.118	34	3.409	38	3.810	6.93	8.50	10.08	11.97	13.23	14.01	14.80	16.37	17.95	18.42	19.52	22.67	25.82	28.97
1.119	67	6.717	75	7.519					7.71	8.49	9.28	10.86	12.43	12.91	14.01	17.16	20.31	23.46
1.120	25	2.506	28	2.807	8.43	10.00	11.58	13.47	14.73	15.51	16.30	17.87	19.45	19.92	21.02	24.17	27.32	30.47
1.120	50	5.013	56	5.614		5.82	7.40	9.29	10.55	11.33	12.12	13.70	15.27	15.75	16.85	20.00	23.15	26.30
1.121	33	3.308	37	3.709	7.09	8.66	10.24	12.13	13.39	14.17	14.96	16.53	18.11	18.58	19.68	22.83	25.98	29.13
1.125	32	3.208	36	3.609	7.24	8.82	10.39	12.28	13.54	14.33	15.11	16.69	18.26	18.74	19.84	22.99	26.14	29.29
1.125	40	4.010	45	4.511	5.90	7.48	9.05	10.94	12.21	12.99	13.78	15.35	16.93	17.40	18.50	21.65	24.80	27.95
1.125	56	5.614	63	6.316				8.26	9.52	10.31	11.09	12.67	14.25	14.72	15.82	18.97	22.12	25.27
1.125	80	8.020	90	9.023									10.22	10.70	11.80	14.95	18.10	21.25
1.127	63	6.316	71	7.118					8.34	9.13	9.91	11.49	13.06	13.54	14.64	17.79	20.94	24.09
1.127	71	7.118	80	8.020							8.57	10.15	11.72	12.20	13.30	16.45	19.60	22.75
1.129	31	3.108	35	3.509	7.40	8.98	10.55	12.44	13.70	14.49	15.27	16.85	18.42	18.90	20.00	23.15	26.30	29.45
1.132	53	5.314	60	6.015			6.84	8.74	10.00	10.78	11.57	13.14	14.72	15.19	16.29	19.44	22.59	25.74
1.133	30	3.008	34	3.409	7.56	9.13	10.71	12.60	13.86	14.64	15.43	17.00	18.58	19.05	20.15	23.30	26.45	29.60
1.135	37	3.709	42	4.211	6.37	7.95	9.53	11.42	12.68	13.46	14.25	15.82	17.40	17.87	18.97	22.12	25.27	28.42
1.136	22	2.206	25	2.506	8.90	10.47	12.05	13.94	15.20	15.98	16.77	18.34	19.92	20.39	21.49	24.64	27.79	30.94
1.138	29	2.907	33	3.308	7.72	9.29	10.87	12.76	14.02	14.80	15.59	17.16	18.74	19.21	20.31	23.46	26.61	29.76
1.139	36	3.609	41	4.110	6.53	8.11	9.68	11.57	12.84	13.62	14.41	15.98	17.56	18.03	19.13	22.28	25.43	28.58
1.143	28	2.807	32	3.208	7.87	9.45	11.02	12.91	14.17	14.96	15.74	17.32	18.89	19.37	20.47	23.62	26.77	29.92
1.143	35	3.509	40	4.010	6.69	8.27	9.84	11.73	12.99	13.78	14.56	16.14	17.71	18.19	19.29	22.44	25.59	28.74
1.143	42	4.211	48	4.812	5.51	7.08	8.66	10.55	11.81	12.59	13.38	14.96	16.53	17.01	18.11	21.26	24.41	27.56
1.147	34	3.409	39	3.910	6.85	8.42	10.00	11.89	13.15	13.93	14.72	16.29	17.87	18.34	19.45	22.60	25.75	28.90
1.148	27	2.707	31	3.108	8.03	9.61	11.18	13.07	14.33	15.12	15.90	17.48	19.05	19.53	20.63	23.78	26.93	30.08
1.152	33	3.308	38	3.810	7.01	8.58	10.16	12.05	13.31	14.09	14.88	16.45	18.03	18.50	19.60	22.75	25.90	29.05
1.154	26	2.607	30	3.008	8.19	9.76	11.34	13.23	14.49	15.27	16.06	17.63	19.21	19.68	20.78	23.93	27.08	30.23
1.154	39	3.910	45	4.511	5.98	7.56	9.13	11.02	12.28	13.07	13.85	15.43	17.00	17.48	18.58	21.73	24.88	28.03
1.156	32	3.208	37	3.709	7.16	8.74	10.31	12.20	13.47	14.25	15.04	16.61	18.19	18.66	19.76	22.91	26.06	29.21
1.160	25	2.506	29	2.907	8.35	9.92	11.50	13.39	14.65	15.43	16.22	17.79	19.37	19.84	20.94	24.09	27.24	30.39
1.161	31	3.108	36	3.609	7.32	8.90	10.47	12.36	13.62	14.41	15.19	16.77	18.34	18.82	19.92	23.07	26.22	29.37
1.167	30	3.008	35	3.509	7.48	9.05	10.63	12.52	13.78	14.56	15.35	16.92	18.50	18.97	20.07	23.23	26.38	29.53
1.167	36	3.609	42	4.211	6.45	8.03	9.60	11.49	12.75	13.54	14.33	15.90	17.48	17.95	19.05	22.20	25.35	28.50
1.167	48	4.812	56	5.614		5.97	7.55	9.44	10.70	11.49	12.27	13.85	15.43	15.90	17.00	20.15	23.30	26.45
1.171	35	3.509	41	4.110	6.61	8.19	9.76	11.65	12.91	13.70	14.48	16.06	17.63	18.11	19.21	22.36	25.51	28.66
1.171	41	4.110	48	4.812	5.58	7.16	8.74	10.63	11.89	12.67	13.46	15.03	16.61	17.08	18.18	21.33	24.49	27.64
1.172	29	2.907	34	3.409	7.64	9.21	10.79	12.68	13.94	14.72	15.51	17.08	18.66	19.13	20.23	23.38	26.53	29.68
1.176	34	3.409	40	4.010	6.77	8.34	9.92	11.81	13.07	13.85	14.64	16.22	17.79	18.27	19.37	22.52	25.67	28.82
1.178	45	4.511	53	5.314		6.45	8.02	9.92	11.18	11.96	12.75	14.32	15.90	16.37	17.47	20.62	23.78	26.93
1.179	28	2.807	33	3.308	7.79	9.37	10.94	12.83	14.10	14.88	15.67	17.24	18.82	19.29	20.39	23.54	26.69	29.84
1.182	22	2.206	26	2.607	8.82	10.39	11.97	13.86	15.12	15.90	16.69	18.26	19.84	20.31	21.41	24.56	27.71	30.86
1.182	33	3.308	39	3.910	6.92	8.50	10.08	11.97	13.23	14.01	14.80	16.37	17.95	18.42	19.52	22.67	25.82	28.97
1.183	60	6.015	71	7.118				7.30	8.57	9.35	10.14	11.72	13.29	13.77	14.87	18.02	21.17	24.32
1.184	38	3.810	45	4.511	6.05	7.63	9.21	11.10	12.36	13.15	13.93	15.51	17.08	17.56	18.66	21.81	24.96	28.11
1.185	27	2.707	32	3.208	7.95	9.53	11.10	12.99	14.25	15.04	15.82	17.40	18.97	19.45	20.55	23.70	26.85	30.00
1.188	32	3.208	38	3.810	7.08	8.66	10.23	12.12	13.38	14.17	14.96	16.53	18.11	18.58	19.68	22.83	25.98	29.13
1.189	53	5.314	63	6.316			6.60	8.49	9.75	10.54	11.32	12.90	14.48	14.95	16.05	19.20	22.36	25.51
1.190	42	4.211	50	5.013	5.34	6.92	8.50	10.39	11.65	12.43	13.22	14.80	16.37	16.85	17.95	21.10	24.25	27.40
1.190	63	6.316	75	7.519					8.01	8.80	9.59	11.16	12.74	13.22	14.32	17.47	20.62	23.77
1.192	26	2.607	31	3.108	8.11	9.68	11.26	13.15	14.41	15.19	15.98	17.55	19.13	19.60	20.70	23.86	27.01	30.16
1.194	31	3.108	37	3.709	7.24	8.82	10.39	12.28	13.54	14.33	15.11	16.69	18.26	18.74	19.84	22.99	26.14	29.29
1.194	67	6.717	80	8.020						8.08	8.87	10.45	12.03	12.50	13.60	16.76	19.91	23.06
1.196	56	5.614	67	6.717				7.94	9.20	9.99	10.77	12.35	13.92	14.40	15.50	18.65	21.80	24.95
1.200	25	2.506	30	3.008	8.27	9.84	11.42	13.31	14.57	15.35	16.14	17.71	19.29	19.76	20.86	24.01	27.16	30.31
1.200	30	3.008	36	3.609	7.40	8.97	10.55	12.44	13.70	14.48	15.27	16.85	18.42	18.90	20.00	23.15	26.30	29.45
1.200	35	3.509	42	4.211	6.53	8.10	9.68	11.57	12.83	13.62	14.40	15.98	17.55	18.03	19.13	22.28	25.43	28.58
1.200	40	4.010	48	4.812	5.66	7.24	8.81	10.70	11.96	12.75	13.54	15.11	16.69	17.16	18.26	21.41	24.56	27.71
1.200	50	5.013	60	6.015			7.07	8.96	10.23	11.01	11.80	13.37	14.95	15.43	16.53	19.68	22.83	25.98
1.200	75	7.519	90	9.023								9.02	10.60	11.08	12.18	15.33	18.49	21.64
1.206	34	3.409	41	4.110	6.69	8.26	9.84	11.73	12.99	13.78	14.56	16.14	17.71	18.19	19.29	22.44	25.59	28.74
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

8M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches														
	Driver		Driven		1792-8MX	2000-8MX	2200-8MX	2240-8MX	2400-8MX	2520-8MX	2600-8MX	2800-8MX	2840-8MX	3048-8MX	3200-8MX	3280-8MX	3600-8MX	4000-8MX	4400-8MX	4480-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches															
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**
1.000	22	2.206	22	2.206	29.37	33.46	37.40	38.19	41.34	43.70	45.27	49.21	50.00	54.09	57.08	58.66	64.96	72.83	80.71	82.28
1.000	25	2.506	25	2.506	29.53	33.62	37.56	38.35	41.50	43.86	45.43	49.37	50.16	54.25	57.24	58.82	65.12	72.99	80.87	82.44
1.000	26	2.607	26	2.607	29.68	33.78	37.71	38.50	41.65	44.01	45.59	49.53	50.31	54.41	57.40	58.97	65.27	73.15	81.02	82.60
1.000	27	2.707	27	2.707	29.84	33.94	37.87	38.66	41.81	44.17	45.75	49.69	50.47	54.57	57.56	59.13	65.43	73.31	81.18	82.76
1.000	28	2.807	28	2.807	30.00	34.09	38.03	38.82	41.97	44.33	45.90	49.84	50.63	54.72	57.71	59.29	65.59	73.46	81.34	82.91
1.000	29	2.907	29	2.907	30.16	34.25	38.19	38.98	42.13	44.49	46.06	50.00	50.79	54.88	57.87	59.45	65.75	73.62	81.50	83.07
1.000	30	3.008	30	3.008	28.50	32.60	36.53	37.32	40.47	42.83	44.41	48.35	49.13	53.23	56.22	57.79	64.09	71.97	79.84	81.42
1.000	31	3.108	31	3.108	30.31	34.41	38.34	39.13	42.28	44.64	46.22	50.16	50.94	55.04	58.03	59.60	65.90	73.78	81.65	83.23
1.000	32	3.208	32	3.208	30.47	34.57	38.50	39.29	42.44	44.80	46.38	50.32	51.10	55.20	58.19	59.76	66.06	73.94	81.81	83.39
1.000	33	3.308	33	3.308	27.32	31.42	35.35	36.14	39.29	41.65	43.23	47.17	47.95	52.05	55.04	56.61	62.91	70.79	78.66	80.24
1.000	34	3.409	34	3.409	28.97	33.07	37.00	37.79	40.94	43.30	44.88	48.82	49.60	53.70	56.69	58.26	64.57	72.44	80.32	81.89
1.000	35	3.509	35	3.509	30.63	34.72	38.66	39.45	42.60	44.96	46.53	50.47	51.26	55.35	58.34	59.92	66.22	74.09	81.97	83.54
1.000	36	3.609	36	3.609	29.13	33.23	37.16	37.95	41.10	43.46	45.04	48.98	49.76	53.86	56.85	58.42	64.72	72.60	80.47	82.05
1.000	37	3.709	37	3.709	30.79	34.88	38.82	39.61	42.76	45.12	46.69	50.63	51.42	55.51	58.50	60.08	66.38	74.25	82.13	83.70
1.000	38	3.810	38	3.810	29.29	33.39	37.32	38.11	41.26	43.62	45.20	49.14	49.92	54.02	57.01	58.58	64.88	72.76	80.63	82.21
1.000	39	3.910	39	3.910	27.79	31.89	35.82	36.61	39.76	42.12	43.70	47.64	48.42	52.52	55.51	57.08	63.38	71.26	79.13	80.71
1.000	40	4.010	40	4.010	29.45	33.54	37.48	38.27	41.42	43.78	45.35	49.29	50.08	54.17	57.16	58.74	65.04	72.91	80.79	82.36
1.000	41	4.110	41	4.110	30.94	35.04	38.97	39.76	42.91	45.27	46.85	50.79	51.57	55.67	58.66	60.23	66.53	74.41	82.28	83.86
1.000	42	4.211	42	4.211	25.27	29.37	33.30	34.09	37.24	39.60	41.18	45.12	45.90	50.00	52.99	54.56	60.86	68.74	76.61	78.19
1.000	45	4.511	45	4.511	29.60	33.70	37.63	38.42	41.57	43.93	45.51	49.45	50.23	54.33	57.32	58.89	65.19	73.07	80.94	82.52
1.000	48	4.812	48	4.812	24.09	28.19	32.12	32.91	36.06	38.42	40.00	43.94	44.72	48.82	51.81	53.38	59.68	67.56	75.43	77.01
1.000	50	5.013	50	5.013	31.10	35.20	39.13	39.92	43.07	45.43	47.01	50.95	51.73	55.83	58.82	60.39	66.69	74.57	82.44	84.02
1.000	53	5.314	53	5.314	26.93	31.02	34.96	35.75	38.90	41.26	42.83	46.77	47.56	51.65	54.64	56.22	62.52	70.39	78.27	79.84
1.000	56	5.614	56	5.614	29.76	33.86	37.79	38.58	41.73	44.09	45.67	49.61	50.39	54.49	57.48	59.05	65.35	73.23	81.10	82.68
1.000	60	6.015	60	6.015	29.92	34.02	37.95	38.74	41.89	44.25	45.83	49.77	50.55	54.65	57.64	59.21	65.51	73.39	81.26	82.84
1.000	63	6.316	63	6.316	28.58	32.68	36.61	37.40	40.55	42.91	44.49	48.43	49.21	53.31	56.30	57.87	64.17	72.05	79.92	81.50
1.000	67	6.717	67	6.717	25.90	30.00	33.93	34.72	37.87	40.23	41.81	45.75	46.53	50.63	53.62	55.19	61.49	69.37	77.24	78.82
1.000	71	7.118	71	7.118	21.88	25.98	29.92	30.71	33.86	36.22	37.79	41.73	42.52	46.61	49.60	51.18	57.48	65.35	73.23	74.80
1.000	75	7.519	75	7.519	24.72	28.82	32.75	33.54	36.69	39.05	40.63	44.57	45.35	49.45	52.44	54.01	60.31	68.19	76.06	77.64
1.000	80	8.020	80	8.020	23.38	27.48	31.41	32.20	35.35	37.71	39.29	43.23	44.01	48.11	51.10	52.67	58.97	66.85	74.72	76.30
1.024	41	4.110	42	4.211	30.08	34.17	38.11	38.90	42.05	44.41	45.98	49.92	50.71	54.80	57.79	59.37	65.67	73.54	81.42	82.99
1.025	40	4.010	41	4.110	26.37	30.47	34.41	35.20	38.35	40.71	42.28	46.22	47.01	51.10	54.09	55.67	61.97	69.84	77.72	79.29
1.026	38	3.810	39	3.910	30.23	34.33	38.26	39.05	42.20	44.56	46.14	50.08	50.86	54.96	57.95	59.52	65.82	73.70	81.57	83.15
1.026	39	3.910	40	4.010	29.05	33.15	37.08	37.87	41.02	43.38	44.96	48.90	49.68	53.78	56.77	58.34	64.64	72.52	80.39	81.97
1.027	37	3.709	38	3.810	31.57	35.67	39.60	40.39	43.54	45.90	47.48	51.42	52.20	56.30	59.29	60.86	67.16	75.04	82.91	84.49
1.028	36	3.609	37	3.709	30.39	34.49	38.42	39.21	42.36	44.72	46.30	50.24	51.02	55.12	58.11	59.68	65.98	73.86	81.73	83.31
1.029	34	3.409	35	3.509	29.21	33.31	37.24	38.03	41.18	43.54	45.12	49.06	49.84	53.94	56.93	58.50	64.80	72.68	80.55	82.13
1.029	35	3.509	36	3.609	30.55	34.65	38.58	39.37	42.52	44.88	46.46	50.40	51.18	55.28	58.27	59.84	66.14	74.02	81.89	83.47
1.030	33	3.308	34	3.409	29.37	33.46	37.40	38.19	41.34	43.70	45.27	49.21	50.00	54.09	57.08	58.66	64.96	72.83	80.71	82.28
1.031	32	3.208	33	3.308	28.19	32.28	36.22	37.01	40.16	42.52	44.09	48.03	48.82	52.91	55.90	57.48	63.78	71.65	79.53	81.10
1.032	31	3.108	32	3.208	29.53	33.62	37.56	38.35	41.50	43.86	45.43	49.37	50.16	54.25	57.24	58.82	65.12	72.99	80.87	82.44
1.033	30	3.008	31	3.108	30.71	34.80	38.74	39.53	42.68	45.04	46.61	50.55	51.34	55.43	58.42	60.00	66.30	74.17	82.05	83.62
1.034	29	2.907	30	3.008	29.68	33.78	37.71	38.50	41.65	44.01	45.59	49.53	50.31	54.41	57.40	58.97	65.27	73.15	81.02	82.60
1.036	28	2.807	29	2.907	30.86	34.96	38.89	39.68	42.83	45.19	46.77	50.71	51.49	55.59	58.58	60.15	66.45	74.33	82.20	83.78
1.037	27	2.707	28	2.807	28.66	32.75	36.69	37.48	40.63	42.99	44.57	48.51	49.29	53.39	56.38	57.95	64.25	72.13	80.00	81.58
1.038	26	2.607	27	2.707	29.84	33.94	37.87	38.66	41.81	44.17	45.75	49.69	50.47	54.57	57.56	59.13	65.43	73.31	81.18	82.76
1.040	25	2.506	26	2.607	31.02	35.12	39.05	39.84	42.99	45.35	46.93	50.87	51.65	55.75	58.74	60.31	66.61	74.49	82.36	83.94
1.042	48	4.812	50	5.013	30.00	34.09	38.03	38.82	41.97	44.33	45.90	49.84	50.63	54.72	57.71	59.29	65.59	73.46	81.34	82.91
1.050	40	4.010	42	4.211	30.16	34.25	38.19	38.98	42.13	44.49	46.06	50.00	50.79	54.88	57.87	59.45	65.75	73.62	81.50	83.07
1.050	60	6.015	63	6.316	29.13	33.23	37.16	37.95	41.10	43.46	45.04	48.98	49.76	53.86	56.85	58.42	64.72	72.60	80.47	82.05
1.051	39	3.910	41	4.110	27.08	31.18	35.11	35.90	39.05	41.41	42.99	46.93	47.71	51.81	54.80	56.38	62.68	70.55	78.43	80.00
1.053	38	3.810	40	4.010	29.29	33.38	37.32	38.11	41.26	43.62	45.20	49.14	49.92	54.02	57.01	58.58	64.88	72.76	80.63	82.21
1.054	37	3.709	39	3.910	28.27	32.36	36.30	37.09	40.24	42.60	44.17	48.11	48.90	52.99	55.98	57.56	63.86	71.73	79.61	81.18
1.056	36	3.609	38	3.810	30.31	34.41	38.34	39.13	42.28	44.64	46.22	50.16	50.94	55.04	58.03	59.60	65.90	73.78	81.65	83.23
1.056	71	7.118	75	7.519	29.45	33.54	37.48	38.27	41.42	43.78	45.35	49.29	50.08	54.17	57.16	58.74	65.04	72.91	80.79	82.36
1.057	35	3.509	37	3.709	27.56	31.65	35.59	36.38	39.53	41.89	43.46	47.40	48.19	52.28	55.27	56.85	63.15	71.02	78.90	80.47
1.057	53	5.314	56	5.614	30.47	34.57	38.50	39.29	42.44	44.80	46.38	50.32	51.10	55.20	58.19	59.76	66.06	73.94	81.81	83.39
1.059	34	3.409	36	3.609	31.49	35.59	39.52	40.31	43.46	45.82	47.40	51.34	52.12	56.22	59.21	60.78	67.08	74.96	82.83	84.41
1.060	50	5.013	53	5.314	29.60	33.70	37.63	38.42	41.57	43.93	45.51	49.45	50.24	54.33	57.32	58.90	65.20	73.07	80.95	82.52
1.060	67	6.717	71	7.118	24.95	29.05	32.99	33.78	36.93	39.29	40.86	44.80	45.59	49.68	52.67	54.25	60.55	68.42	76.30	77.87
1.061	33	3.308	35	3.509	28.74	32.83	36.77	37.56	40.71	43.07	44.64	48.58	49.37	53.46	56.45	58.03	64.33	72.20	80.08	81.65
1.063	32	3.208	34	3.409	30.63	34.72	38.66	39.45	42.60	44.96	46.53	50.47	51.26	55.35	58.34	59.92	66.22	74.09	81.97	83.54
1.063	63	6.316	67	6.717	29.76	33.86	37.79	38.58	41.73	44.09	45.67	49.61	50.39	54.49	57.48	59.05	65.35	73.23	81.10	82.68
1.065	31	3.108	33	3.308	26.14	30.23	34.17	34.96	38.11	40.47	42.04	45.98	46.77	50.86	53.85	55.43	61.73	69.60	77.48	79.05
1.067	30	3.008	32	3.208	28.03	32.12	36.06	36.85	40.00	42.36	43.93	47.87	48.66	52.75	55.74	57.32	63.62	71.49	79.37	80.94
1.067	45	4.511	48	4.812	24.40	28.50	32.43	33.22	36.37	38.73	40.31	44.25	45.03	49.13	52.12	53.70	60.00	67.87	75.75	77.32
1.067	75	7.519	80	8.020	30.79	34.88	38.82	39.61	42.76	45.12	46.69	50.63	51.42	55.51	58.50	60.08	66.38	74.25	82.13	83.70
1.069	29	2.907	31	3.108	29.92	34.01	37.95	38.74	41.89	44.25	45.82	49.77	50.55	54.65	57.64	59.21	65.51	73.39	81.26	82.84
1.071	28	2.807	30	3.008	23.69	27.79	31.72	32.51	35.66	38.03	39.60	43.54	44.33	48.42	51.41	52.99	59.29	67.16	75.04	76.61
1.071	42	4.211	45	4.511	25.58	29.68	33.62	34.41	37.56	39.92	41.49	45.43	46.22	50.31	53.30	54.88	61.18	69.05	76.93	78.50
1.071	56	5.614	60	6.015	30.94	35.04	38.97	39.76	42.91	45.27	46.85	50.79	51.57	55.67	58.66	60.23	66.53	74.41	82.28	83.86
1.074	27	2.707	29	2.907	30.08	34.17	38.11	38.90	42.05	44.41	45.98	49.92	50.71	54.80	57.79	59.37	65.67	73.54	81.42	82.99
1.077	26	2.607	28	2.807	29.21	33.30	37.24	38.03	41.18	43.54	45.12	49.06	49.84	53.94	56.93	58.50	64.80	72.68	80.55	82.13
1.077	39	3.910	42	4.211	28.34	32.44	36.37	37.16	40.31	42.67	44.25	48.19	48.97	53.07	56.06	57.63	63.93	71.81	79.69	81.26
1.079	38	3.810	41	4.110	26.61	30.70	34.64	35.43	38.58	40.94	42.52	46.46	47.24	51.34	54.33	55.90	62.20	70.08	77.95	79.53
1.080	25	2.506	27	2.707	22.27	26.37	30.30	31.09	34.24	36.61	38.18	42.12	42.91	47.00	49.99	51.57	57.87	65.74	73.62	75.19
1.081	37	3.709	40	4.010	29.37	33.46	37.40	38.19	41.34	43.70	45.27	49.21	50.00	54.09	57.08	58.66	64.96	72.83	80.71	82.28
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**

* The length correction factor must be used to determine the proper belt width.

DODGE

8M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		640-8MX	720-8MX	800-8MX	896-8MX	960-8MX	1000-8MX	1040-8MX	1120-8MX	1200-8MX	1224-8MX	1280-8MX	1440-8MX	1600-8MX	1760-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**
1.207	29	2.907	35	3.509	7.55	9.13	10.71	12.60	13.86	14.64	15.43	17.00	18.58	19.05	20.15	23.30	26.45	29.60
1.212	33	3.308	40	4.010	6.84	8.42	10.00	11.89	13.15	13.93	14.72	16.29	17.87	18.34	19.44	22.59	25.75	28.90
1.214	28	2.807	34	3.409	7.71	9.29	10.86	12.75	14.01	14.80	15.59	17.16	18.74	19.21	20.31	23.46	26.61	29.76
1.216	37	3.709	45	4.511	6.13	7.71	9.29	11.18	12.44	13.22	14.01	15.58	17.16	17.63	18.73	21.89	25.04	28.19
1.219	32	3.208	39	3.910	7.00	8.58	10.15	12.04	13.30	14.09	14.88	16.45	18.03	18.50	19.60	22.75	25.90	29.05
1.220	41	4.110	50	5.013	5.42	7.00	8.57	10.47	11.73	12.51	13.30	14.87	16.45	16.92	18.02	21.17	24.33	27.48
1.222	27	2.707	33	3.308	7.87	9.45	11.02	12.91	14.17	14.96	15.74	17.32	18.89	19.37	20.47	23.62	26.77	29.92
1.226	31	3.108	38	3.810	7.16	8.73	10.31	12.20	13.46	14.25	15.03	16.61	18.18	18.66	19.76	22.91	26.06	29.21
1.227	22	2.206	27	2.707	8.74	10.31	11.89	13.78	15.04	15.82	16.61	18.18	19.76	20.23	21.33	24.49	27.64	30.79
1.231	26	2.607	32	3.208	8.03	9.60	11.18	13.07	14.33	15.11	15.90	17.48	19.05	19.53	20.63	23.78	26.93	30.08
1.231	39	3.910	48	4.812	5.73	7.31	8.89	10.78	12.04	12.83	13.61	15.19	16.76	17.24	18.34	21.49	24.64	27.79
1.233	30	3.008	37	3.709	7.32	8.89	10.47	12.36	13.62	14.41	15.19	16.77	18.34	18.82	19.92	23.07	26.22	29.37
1.235	34	3.409	42	4.211	6.60	8.18	9.76	11.65	12.91	13.69	14.48	16.06	17.63	18.11	19.21	22.36	25.51	28.66
1.240	25	2.506	31	3.108	8.19	9.76	11.34	13.23	14.49	15.27	16.06	17.63	19.21	19.68	20.78	23.93	27.08	30.23
1.241	29	2.907	36	3.609	7.47	9.05	10.63	12.52	13.78	14.56	15.35	16.92	18.50	18.97	20.07	23.22	26.38	29.53
1.242	33	3.308	41	4.110	6.76	8.34	9.92	11.81	13.07	13.85	14.64	16.21	17.79	18.26	19.36	22.52	25.67	28.82
1.244	45	4.511	56	5.614		6.20	7.78	9.67	10.93	11.72	12.51	14.08	15.66	16.13	17.23	20.39	23.54	26.69
1.250	28	2.807	35	3.509	7.63	9.21	10.78	12.67	13.94	14.72	15.51	17.08	18.66	19.13	20.23	23.38	26.53	29.68
1.250	32	3.208	40	4.010	6.92	8.50	10.07	11.96	13.22	14.01	14.80	16.37	17.95	18.42	19.52	22.67	25.82	28.97
1.250	36	3.609	45	4.511	6.21	7.78	9.36	11.25	12.51	13.30	14.09	15.66	17.24	17.71	18.81	21.96	25.11	28.26
1.250	40	4.010	50	5.013	5.49	7.07	8.65	10.54	11.80	12.59	13.37	14.95	16.53	17.00	18.10	21.25	24.40	27.55
1.250	48	4.812	60	6.015			7.22	9.12	10.38	11.17	11.95	13.53	15.10	15.58	16.68	19.83	22.98	26.13
1.250	60	6.015	75	7.519					8.24	9.02	9.81	11.39	12.97	13.44	14.55	17.70	20.85	24.00
1.258	31	3.108	39	3.910	7.08	8.65	10.23	12.12	13.38	14.17	14.95	16.53	18.10	18.58	19.68	22.83	25.98	29.13
1.259	27	2.707	34	3.409	7.79	9.36	10.94	12.83	14.09	14.88	15.66	17.24	18.81	19.29	20.39	23.54	26.69	29.84
1.260	50	5.013	63	6.316			6.82	8.72	9.98	10.77	11.55	13.13	14.71	15.18	16.28	19.44	22.59	25.74
1.262	42	4.211	53	5.314		6.67	8.25	10.14	11.41	12.19	12.98	14.55	16.13	16.60	17.71	20.86	24.01	27.16
1.263	38	3.810	48	4.812	5.81	7.39	8.96	10.86	12.12	12.90	13.69	15.27	16.84	17.32	18.42	21.57	24.72	27.87
1.264	53	5.314	67	6.717				8.16	9.42	10.21	11.00	12.58	14.15	14.63	15.73	18.88	22.03	25.19
1.267	30	3.008	38	3.810	7.23	8.81	10.39	12.28	13.54	14.32	15.11	16.69	18.26	18.74	19.84	22.99	26.14	29.29
1.268	56	5.614	71	7.118				7.60	8.87	9.66	10.44	12.02	13.60	14.08	15.18	18.33	21.48	24.63
1.268	71	7.118	90	9.023								9.32	10.90	11.38	12.48	15.64	18.79	21.95
1.269	26	2.607	33	3.308	7.95	9.52	11.10	12.99	14.25	15.04	15.82	17.40	18.97	19.45	20.55	23.70	26.85	30.00
1.270	63	6.316	80	8.020						8.38	9.17	10.75	12.33	12.81	13.91	17.06	20.22	23.37
1.273	22	2.206	28	2.807	8.66	10.23	11.81	13.70	14.96	15.74	16.53	18.11	19.68	20.16	21.26	24.41	27.56	30.71
1.273	33	3.308	42	4.211	6.68	8.26	9.83	11.73	12.99	13.77	14.56	16.13	17.71	18.18	19.28	22.44	25.59	28.74
1.276	29	2.907	37	3.709	7.39	8.97	10.55	12.44	13.70	14.48	15.27	16.84	18.42	18.89	19.99	23.15	26.30	29.45
1.280	25	2.506	32	3.208	8.10	9.68	11.26	13.15	14.41	15.19	15.98	17.55	19.13	19.60	20.70	23.85	27.00	30.16
1.281	32	3.208	41	4.110	6.84	8.42	9.99	11.88	13.14	13.93	14.72	16.29	17.87	18.34	19.44	22.59	25.74	28.89
1.282	39	3.910	50	5.013	5.56	7.15	8.72	10.62	11.88	12.66	13.45	15.03	16.60	17.08	18.18	21.33	24.48	27.63
1.286	28	2.807	36	3.609	7.55	9.13	10.70	12.59	13.86	14.64	15.43	17.00	18.58	19.05	20.15	23.30	26.45	29.60
1.286	35	3.509	45	4.511	6.28	7.86	9.44	11.33	12.59	13.38	14.16	15.74	17.31	17.79	18.89	22.04	25.19	28.34
1.290	31	3.108	40	4.010	6.99	8.57	10.15	12.04	13.30	14.09	14.87	16.45	18.02	18.50	19.60	22.75	25.90	29.05
1.293	41	4.110	53	5.314		6.75	8.33	10.22	11.48	12.27	13.05	14.63	16.21	16.68	17.78	20.93	24.09	27.24
1.296	27	2.707	35	3.509	7.71	9.28	10.86	12.75	14.01	14.80	15.58	17.16	18.73	19.21	20.31	23.46	26.61	29.76
1.297	37	3.709	48	4.812	5.88	7.46	9.04	10.93	12.20	12.98	13.77	15.34	16.92	17.39	18.49	21.65	24.80	27.95
1.300	30	3.008	39	3.910	7.15	8.73	10.31	12.20	13.46	14.24	15.03	16.61	18.18	18.66	19.76	22.91	26.06	29.21
1.308	26	2.607	34	3.409	7.86	9.44	11.02	12.91	14.17	14.95	15.74	17.32	18.89	19.37	20.47	23.62	26.77	29.92
1.310	29	2.907	38	3.810	7.31	8.89	10.46	12.36	13.62	14.40	15.19	16.76	18.34	18.81	19.91	23.07	26.22	29.37
1.313	32	3.208	42	4.211	6.75	8.33	9.91	11.80	13.06	13.85	14.63	16.21	17.79	18.26	19.36	22.51	25.66	28.81
1.313	48	4.812	63	6.316			6.97	8.87	10.13	10.92	11.71	13.28	14.86	15.34	16.44	19.59	22.74	25.89
1.316	38	3.810	50	5.013	5.64	7.22	8.80	10.69	11.96	12.74	13.53	15.10	16.68	17.15	18.26	21.41	24.56	27.71
1.318	22	2.206	29	2.907	8.58	10.15	11.73	13.62	14.88	15.67	16.45	18.03	19.60	20.08	21.18	24.33	27.48	30.63
1.320	25	2.506	33	3.308	8.02	9.60	11.18	13.07	14.33	15.11	15.90	17.47	19.05	19.52	20.62	23.78	26.93	30.08
1.321	28	2.807	37	3.709	7.47	9.05	10.62	12.51	13.77	14.56	15.35	16.92	18.50	18.97	20.07	23.22	26.37	29.52
1.323	31	3.108	41	4.110	6.91	8.49	10.07	11.96	13.22	14.01	14.79	16.37	17.94	18.42	19.52	22.67	25.82	28.97
1.324	34	3.409	45	4.511	6.36	7.94	9.51	11.41	12.67	13.45	14.24	15.82	17.39	17.87	18.97	22.12	25.27	28.42
1.325	40	4.010	53	5.314	5.24	6.82	8.40	10.30	11.56	12.34	13.13	14.71	16.28	16.76	17.86	21.01	24.16	27.31
1.333	27	2.707	36	3.609	7.63	9.20	10.78	12.67	13.93	14.72	15.50	17.08	18.65	19.13	20.23	23.38	26.53	29.68
1.333	30	3.008	40	4.010	7.07	8.65	10.23	12.12	13.38	14.16	14.95	16.53	18.10	18.58	19.68	22.83	25.98	29.13
1.333	36	3.609	48	4.812	5.96	7.54	9.12	11.01	12.27	13.06	13.84	15.42	17.00	17.47	18.57	21.72	24.87	28.02
1.333	42	4.211	56	5.614		6.42	8.00	9.90	11.16	11.95	12.73	14.31	15.89	16.36	17.46	20.62	23.77	26.92
1.333	45	4.511	60	6.015		5.86	7.44	9.34	10.61	11.39	12.18	13.76	15.33	15.81	16.91	20.06	23.22	26.37
1.333	60	6.015	80	8.020					7.81	8.60	9.39	10.98	12.56	13.03	14.14	17.29	20.45	23.60
1.339	56	5.614	75	7.519				7.26	8.53	9.32	10.11	11.69	13.27	13.75	14.85	18.01	21.16	24.31
1.340	50	5.013	67	6.717			6.48	8.38	9.65	10.44	11.22	12.80	14.38	14.86	15.96	19.11	22.27	25.42
1.340	53	5.314	71	7.118				7.82	9.09	9.88	10.67	12.25	13.83	14.30	15.40	18.56	21.71	24.86
1.343	67	6.717	90	9.023								9.61	11.20	11.68	12.78	15.94	19.10	22.25
1.345	29	2.907	39	3.910	7.23	8.81	10.38	12.28	13.54	14.32	15.11	16.68	18.26	18.73	19.83	22.99	26.14	29.29
1.346	26	2.607	35	3.509	7.78	9.36	10.94	12.83	14.09	14.87	15.66	17.24	18.81	19.29	20.39	23.54	26.69	29.84
1.351	37	3.709	50	5.013	5.71	7.30	8.88	10.77	12.03	12.82	13.60	15.18	16.76	17.23	18.33	21.48	24.64	27.79
1.355	31	3.108	42	4.211	6.83	8.41	9.99	11.88	13.14	13.93	14.71	16.29	17.86	18.34	19.44	22.59	25.74	28.89
1.357	28	2.807	38	3.810	7.39	8.96	10.54	12.43	13.69	14.48	15.26	16.84	18.42	18.89	19.99	23.14	26.29	29.44
1.359	39	3.910	53	5.314	5.31	6.89	8.48	10.37	11.63	12.42	13.21	14.78	16.36	16.84	17.94	21.09	24.24	27.39
1.360	25	2.506	34	3.409	7.94	9.52	11.10	12.99	14.25	15.03	15.82	17.39	18.97	19.44	20.54	23.70	26.85	30.00
1.364	22	2.206	30	3.008	8.50	10.07	11.65	13.54	14.80	15.58	16.37	17.95	19.52	20.00	21.10	24.25	27.40	30.55
1.364	33	3.308	45	4.511	6.43	8.01	9.59	11.48	12.74	13.53	14.32	15.89	17.47	17.94	19.04	22.20	25.35	28.50
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

8M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches														
	Driver		Driven		1792-8MX	2000-8MX	2200-8MX	2240-8MX	2400-8MX	2520-8MX	2600-8MX	2800-8MX	2840-8MX	3048-8MX	3200-8MX	3280-8MX	3600-8MX	4000-8MX	4400-8MX	4480-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches															
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**
1.207	29	2.907	35	3.509	30.23	34.33	38.26	39.05	42.20	44.56	46.14	50.08	50.86	54.96	57.95	59.53	65.83	73.70	81.58	83.15
1.212	33	3.308	40	4.010	29.53	33.62	37.56	38.35	41.50	43.86	45.43	49.37	50.16	54.25	57.24	58.82	65.12	72.99	80.87	82.44
1.214	28	2.807	34	3.409	30.39	34.49	38.42	39.21	42.36	44.72	46.30	50.24	51.02	55.12	58.11	59.68	65.98	73.86	81.73	83.31
1.216	37	3.709	45	4.511	28.82	32.91	36.85	37.64	40.79	43.15	44.72	48.66	49.45	53.54	56.53	58.11	64.41	72.28	80.16	81.73
1.219	32	3.208	39	3.910	29.68	33.78	37.71	38.50	41.65	44.01	45.59	49.53	50.31	54.41	57.40	58.97	65.27	73.15	81.02	82.60
1.220	41	4.110	50	5.013	28.11	32.20	36.14	36.93	40.08	42.44	44.01	47.95	48.74	52.83	55.82	57.40	63.70	71.57	79.45	81.02
1.222	27	2.707	33	3.308	30.55	34.64	38.58	39.37	42.52	44.88	46.45	50.39	51.18	55.28	58.27	59.84	66.14	74.02	81.89	83.47
1.226	31	3.108	38	3.810	29.84	33.93	37.87	38.66	41.81	44.17	45.75	49.69	50.47	54.57	57.56	59.13	65.43	73.31	81.18	82.76
1.227	22	2.206	27	2.707	31.42	35.51	39.45	40.24	43.39	45.75	47.32	51.26	52.05	56.14	59.13	60.71	67.01	74.88	82.76	84.33
1.231	26	2.607	32	3.208	30.71	34.80	38.74	39.53	42.68	45.04	46.61	50.55	51.34	55.43	58.42	60.00	66.30	74.17	82.05	83.62
1.231	39	3.910	48	4.812	28.42	32.52	36.45	37.24	40.39	42.75	44.33	48.27	49.05	53.15	56.14	57.71	64.01	71.89	79.76	81.34
1.233	30	3.008	37	3.709	30.00	34.09	38.03	38.82	41.97	44.33	45.90	49.84	50.63	54.72	57.71	59.29	65.59	73.46	81.34	82.91
1.235	34	3.409	42	4.211	29.29	33.38	37.32	38.11	41.26	43.62	45.19	49.13	49.92	54.01	57.00	58.58	64.88	72.75	80.63	82.20
1.240	25	2.506	31	3.108	30.86	34.96	38.89	39.68	42.83	45.19	46.77	50.71	51.49	55.59	58.58	60.16	66.46	74.33	82.21	83.78
1.241	29	2.907	36	3.609	30.16	34.25	38.19	38.98	42.13	44.49	46.06	50.00	50.79	54.88	57.87	59.45	65.75	73.62	81.50	83.07
1.242	33	3.308	41	4.110	29.45	33.54	37.48	38.27	41.42	43.78	45.35	49.29	50.08	54.17	57.16	58.74	65.04	72.91	80.79	82.36
1.244	45	4.511	56	5.614	27.32	31.41	35.35	36.14	39.29	41.65	43.22	47.16	47.95	52.04	55.04	56.61	62.91	70.79	78.66	80.24
1.250	28	2.807	35	3.509	30.31	34.41	38.34	39.13	42.28	44.64	46.22	50.16	50.94	55.04	58.03	59.60	65.90	73.78	81.65	83.23
1.250	32	3.208	40	4.010	29.60	33.70	37.63	38.42	41.57	43.93	45.51	49.45	50.23	54.33	57.32	58.89	65.19	73.07	80.95	82.52
1.250	36	3.609	45	4.511	28.89	32.99	36.92	37.71	40.87	43.23	44.80	48.74	49.53	53.62	56.61	58.19	64.49	72.36	80.24	81.81
1.250	40	4.010	50	5.013	28.18	32.28	36.21	37.00	40.16	42.52	44.09	48.03	48.82	52.91	55.90	57.48	63.78	71.65	79.53	81.10
1.250	48	4.812	60	6.015	26.76	30.86	34.80	35.59	38.74	41.10	42.67	46.61	47.40	51.49	54.48	56.06	62.36	70.23	78.11	79.68
1.250	60	6.015	75	7.519	24.63	28.73	32.67	33.46	36.61	38.97	40.54	44.48	45.27	49.36	52.36	53.93	60.23	68.11	75.98	77.56
1.258	31	3.108	39	3.910	29.76	33.86	37.79	38.58	41.73	44.09	45.67	49.61	50.39	54.49	57.48	59.05	65.35	73.23	81.10	82.68
1.259	27	2.707	34	3.409	30.47	34.56	38.50	39.29	42.44	44.80	46.38	50.32	51.10	55.20	58.19	59.76	66.06	73.94	81.81	83.39
1.260	50	5.013	63	6.316	26.37	30.47	34.40	35.19	38.34	40.70	42.28	46.22	47.00	51.10	54.09	55.66	61.96	69.84	77.71	79.29
1.262	42	4.211	53	5.314	27.79	31.88	35.82	36.61	39.76	42.12	43.70	47.64	48.42	52.52	55.51	57.08	63.38	71.26	79.13	80.71
1.263	38	3.810	48	4.812	28.50	32.59	36.53	37.32	40.47	42.83	44.41	48.35	49.13	53.23	56.22	57.79	64.09	71.97	79.84	81.42
1.264	53	5.314	67	6.717	25.82	29.91	33.85	34.64	37.79	40.15	41.72	45.67	46.45	50.55	53.54	55.11	61.41	69.29	77.16	78.74
1.267	30	3.008	38	3.810	29.92	34.01	37.95	38.74	41.89	44.25	45.82	49.76	50.55	54.64	57.63	59.21	65.51	73.38	81.26	82.83
1.268	56	5.614	71	7.118	25.26	29.36	33.30	34.09	37.24	39.60	41.17	45.11	45.90	49.99	52.98	54.56	60.86	68.74	76.61	78.19
1.268	71	7.118	90	9.023	22.58	26.68	30.61	31.40	34.55	36.92	38.49	42.43	43.22	47.31	50.30	51.88	58.18	66.06	73.93	75.51
1.269	26	2.607	33	3.308	30.63	34.72	38.66	39.45	42.60	44.96	46.53	50.47	51.26	55.35	58.34	59.92	66.22	74.09	81.97	83.54
1.270	63	6.316	80	8.020	24.00	28.10	32.03	32.82	35.98	38.34	39.91	43.85	44.64	48.73	51.72	53.30	59.60	67.48	75.35	76.93
1.273	22	2.206	28	2.807	31.34	35.43	39.37	40.16	43.31	45.67	47.24	51.18	51.97	56.06	59.05	60.63	66.93	74.80	82.68	84.25
1.273	33	3.308	42	4.211	29.37	33.46	37.40	38.19	41.34	43.70	45.27	49.21	50.00	54.09	57.08	58.66	64.96	72.83	80.71	82.28
1.276	29	2.907	37	3.709	30.08	34.17	38.11	38.90	42.05	44.41	45.98	49.92	50.71	54.80	57.79	59.37	65.67	73.54	81.42	82.99
1.280	25	2.506	32	3.208	30.79	34.88	38.82	39.61	42.76	45.12	46.69	50.63	51.42	55.51	58.50	60.08	66.38	74.25	82.13	83.70
1.281	32	3.208	41	4.110	29.52	33.62	37.55	38.34	41.50	43.86	45.43	49.37	50.16	54.25	57.24	58.82	65.12	72.99	80.87	82.44
1.282	39	3.910	50	5.013	28.26	32.36	36.29	37.08	40.23	42.59	44.17	48.11	48.89	52.99	55.98	57.55	63.85	71.73	79.60	81.18
1.286	28	2.807	36	3.609	30.23	34.33	38.26	39.05	42.20	44.56	46.14	50.08	50.86	54.96	57.95	59.52	65.82	73.70	81.57	83.15
1.286	35	3.509	45	4.511	28.97	33.07	37.00	37.79	40.94	43.30	44.88	48.82	49.60	53.70	56.69	58.26	64.56	72.44	80.31	81.89
1.290	31	3.108	40	4.010	29.68	33.78	37.71	38.50	41.65	44.01	45.59	49.53	50.31	54.41	57.40	58.97	65.27	73.15	81.02	82.60
1.293	41	4.110	53	5.314	27.87	31.96	35.90	36.69	39.84	42.20	43.77	47.71	48.50	52.59	55.59	57.16	63.46	71.34	79.21	80.79
1.296	27	2.707	35	3.509	30.39	34.49	38.42	39.21	42.36	44.72	46.30	50.24	51.02	55.12	58.11	59.68	65.98	73.86	81.73	83.31
1.297	37	3.709	48	4.812	28.58	32.67	36.61	37.40	40.55	42.91	44.48	48.42	49.21	53.30	56.29	57.87	64.17	72.05	79.92	81.50
1.300	30	3.008	39	3.910	29.84	33.93	37.87	38.66	41.81	44.17	45.74	49.68	50.47	54.56	57.55	59.13	65.43	73.31	81.18	82.76
1.308	26	2.607	34	3.409	30.55	34.64	38.58	39.37	42.52	44.88	46.45	50.39	51.18	55.27	58.26	59.84	66.14	74.01	81.89	83.46
1.310	29	2.907	38	3.810	30.00	34.09	38.03	38.82	41.97	44.33	45.90	49.84	50.63	54.72	57.71	59.29	65.59	73.46	81.34	82.91
1.313	32	3.208	42	4.211	29.44	33.54	37.47	38.26	41.42	43.78	45.35	49.29	50.08	54.17	57.16	58.74	65.04	72.91	80.79	82.36
1.313	48	4.812	63	6.316	26.52	30.62	34.56	35.35	38.50	40.86	42.43	46.37	47.16	51.25	54.24	55.82	62.12	70.00	77.87	79.45
1.316	38	3.810	50	5.013	28.34	32.43	36.37	37.16	40.31	42.67	44.25	48.19	48.97	53.07	56.06	57.63	63.93	71.81	79.68	81.26
1.318	22	2.206	29	2.907	31.26	35.35	39.29	40.08	43.23	45.59	47.16	51.10	51.89	55.98	58.97	60.55	66.85	74.72	82.60	84.17
1.320	25	2.506	33	3.308	30.71	34.80	38.74	39.53	42.68	45.04	46.61	50.55	51.34	55.43	58.42	60.00	66.30	74.17	82.05	83.62
1.321	28	2.807	37	3.709	30.15	34.25	38.18	38.97	42.12	44.49	46.06	50.00	50.79	54.88	57.87	59.45	65.75	73.62	81.50	83.07
1.323	31	3.108	41	4.110	29.60	33.70	37.63	38.42	41.57	43.93	45.51	49.45	50.23	54.33	57.32	58.89	65.19	73.07	80.94	82.52
1.324	34	3.409	45	4.511	29.05	33.15	37.08	37.87	41.02	43.38	44.96	48.90	49.68	53.78	56.77	58.34	64.64	72.52	80.39	81.97
1.325	40	4.010	53	5.314	27.94	32.04	35.98	36.77	39.92	42.28	43.85	47.79	48.58	52.67	55.66	57.24	63.54	71.41	79.29	80.86
1.333	27	2.707	36	3.609	30.31	34.41	38.34	39.13	42.28	44.64	46.22	50.16	50.94	55.04	58.03	59.60	65.90	73.78	81.65	83.23
1.333	30	3.008	40	4.010	29.76	33.85	37.79	38.58	41.73	44.09	45.67	49.61	50.39	54.49	57.48	59.05	65.35	73.23	81.10	82.68
1.333	36	3.609	48	4.812	28.65	32.75	36.69	37.48	40.63	42.99	44.56	48.50	49.29	53.38	56.37	57.95	64.25	72.12	80.00	81.57
1.333	42	4.211	56	5.614	27.55	31.65	35.58	36.37	39.52	41.88	43.46	47.40	48.18	52.28	55.27	56.84	63.14	71.02	78.90	80.47
1.333	45	4.511	60	6.015	27.00	31.09	35.03	35.82	38.97	41.33	42.91	46.85	47.63	51.73	54.72	56.29	62.59	70.47	78.34	79.92
1.333	60	6.015	80	8.020	24.23	28.33	32.27	33.06	36.21	38.57	40.14	44.09	44.87	48.97	51.96	53.53	59.83	67.71	75.59	77.16
1.339	56	5.614	75	7.519	24.94	29.04	32.98	33.77	36.92	39.28	40.85	44.80	45.58	49.68	52.67	54.24	60.54	68.42	76.29	77.87
1.340	50	5.013	67	6.717	26.05	30.15	34.08	34.87	38.02	40.38	41.96	45.90	46.68	50.78	53.77	55.35	61.65	69.52	77.40	78.97
1.340	53	5.314	71	7.118	25.49	29.59	33.53	34.32	37.47	39.83	41.41	45.35	46.13	50.23	53.22	54.79	61.09	68.97	76.85	78.42
1.343	67	6.717	90	9.023	22.88	26.98	30.92	31.71	34.86	37.22	38.80	42.74	43.53	47.62	50.61	52.19	58.49	66.37	74.24	75.82
1.345	29	2.907	39	3.910	29.92	34.01	37.95	38.74	41.89	44.25	45.82	49.76	50.55	54.64	57.63	59.21	65.51	73.38	81.26	82.83
1.346	26	2.607	35	3.509	30.47	34.56	38.50	39.29	42.44	44.80	46.37	50.31	51.10	55.19	58.18	59.76	66.06	73.94	81.81	83.39
1.351	37	3.709	50	5.013	28.42	32.51	36.45	37.24	40.39	42.75	44.32	48.27	49.05	53.15	56.14	57.71	64.01	71.89	79.76	81.34
1.355	31	3.108	42	4.211	29.52	33.62	37.55	38.34	41.49	43.85	45.43	49.37	50.15	54.25	57.24	58.81	65.11	72.99	80.86	82.44
1.357	28	2.807	38	3.810	30.07	34.17	38.10	38.89	42.05	44.41	45.98	49.92	50.71	54.80	57.79	59.37	65.67	73.54	81.42	82.99
1.359	39	3.910	53	5.314	28.02	32.12	36.05	36.84	39.99	42.35	43.93	47.87	48.66	52.75	55.74	57.32	63.62	71.49	79.37	80.94
1.360	25	2.506	34	3.409	30.63	34.72	38.66	39.45	42.60	44.96	46.53	50.47	51.26	55.35	58.34	59.92	66.22	74.09	81.97	83.54
1.364	22	2.206	30	3.008	31.18	35.27	39.21	40.00	43.15	45.51	47.08	51.02	51.81	55.90	58.89	60.47	66.77	74.64	82.52	84.09
1.364	33	3.308	45	4.511	29.13	33.22	37.16	37.95	41.10	43.46	45.03	48.98	49.76	53.86	56.85	58.42	64.72	72.60	80.47	82.05
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

* The length correction factor must be used to determine the proper belt width.

DODGE

8M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches												
	Driver		Driven		640-8MX	720-8MX	800-8MX	896-8MX	960-8MX	1000-8MX	1040-8MX	1120-8MX	1200-8MX	1224-8MX	1280-8MX	1440-8MX	1600-8MX	1760-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					0.79	0.83	0.87	0.91	0.94	0.96	0.97	1.00	1.03	1.03	1.05	1.10	1.14	1.17
1.366	41	4.110	56	5.614		6.49	8.08	9.97	11.24	12.02	12.81	14.39	15.97	16.44	17.54	20.69	23.85	27.00
1.367	30	3.008	41	4.110	6.99	8.57	10.14	12.04	13.30	14.08	14.87	16.45	18.02	18.50	19.60	22.75	25.90	29.05
1.370	27	2.707	37	3.709	7.54	9.12	10.70	12.59	13.85	14.64	15.42	17.00	18.57	19.05	20.15	23.30	26.45	29.60
1.371	35	3.509	48	4.812	6.03	7.61	9.19	11.09	12.35	13.13	13.92	15.50	17.07	17.55	18.65	21.80	24.95	28.10
1.379	29	2.907	40	4.010	7.15	8.72	10.30	12.19	13.46	14.24	15.03	16.60	18.18	18.65	19.75	22.91	26.06	29.21
1.385	26	2.607	36	3.609	7.70	9.28	10.86	12.75	14.01	14.79	15.58	17.16	18.73	19.21	20.31	23.46	26.61	29.76
1.389	36	3.609	50	5.013	5.79	7.37	8.95	10.85	12.11	12.89	13.68	15.26	16.83	17.31	18.41	21.56	24.71	27.86
1.393	28	2.807	39	3.910	7.30	8.88	10.46	12.35	13.61	14.40	15.18	16.76	18.34	18.81	19.91	23.06	26.21	29.36
1.395	38	3.810	53	5.314	5.38	6.97	8.55	10.45	11.71	12.50	13.28	14.86	16.44	16.91	18.01	21.17	24.32	27.47
1.396	48	4.812	67	6.717			6.63	8.53	9.80	10.59	11.38	12.96	14.53	15.01	16.11	19.27	22.42	25.57
1.400	25	2.506	35	3.509	7.86	9.44	11.01	12.91	14.17	14.95	15.74	17.31	18.89	19.36	20.46	23.62	26.77	29.92
1.400	30	3.008	42	4.211	6.90	8.48	10.06	11.96	13.22	14.00	14.79	16.36	17.94	18.42	19.52	22.67	25.82	28.97
1.400	40	4.010	56	5.614		6.57	8.15	10.05	11.31	12.10	12.89	14.46	16.04	16.52	17.62	20.77	23.92	27.07
1.400	45	4.511	63	6.316			7.19	9.09	10.36	11.14	11.93	13.51	15.09	15.57	16.67	19.82	22.97	26.13
1.400	80	8.020	112	11.229											9.95	13.13	16.30	19.46
1.406	32	3.208	45	4.511	6.50	8.09	9.67	11.56	12.82	13.61	14.39	15.97	17.55	18.02	19.12	22.27	25.42	28.58
1.407	27	2.707	38	3.810	7.46	9.04	10.62	12.51	13.77	14.56	15.34	16.92	18.49	18.97	20.07	23.22	26.37	29.52
1.409	22	2.206	31	3.108	8.41	9.99	11.57	13.46	14.72	15.50	16.29	17.87	19.44	19.92	21.02	24.17	27.32	30.47
1.412	34	3.409	48	4.812	6.10	7.69	9.27	11.16	12.42	13.21	14.00	15.57	17.15	17.62	18.73	21.88	25.03	28.18
1.414	29	2.907	41	4.110	7.06	8.64	10.22	12.11	13.38	14.16	14.95	16.52	18.10	18.57	19.67	22.83	25.98	29.13
1.415	53	5.314	75	7.519				7.48	8.75	9.54	10.33	11.91	13.50	13.97	15.08	18.23	21.39	24.54
1.420	50	5.013	71	7.118				8.04	9.31	10.10	10.89	12.47	14.05	14.53	15.63	18.79	21.94	25.10
1.423	26	2.607	37	3.709	7.62	9.20	10.78	12.67	13.93	14.71	15.50	17.08	18.65	19.13	20.23	23.38	26.53	29.68
1.429	28	2.807	40	4.010	7.22	8.80	10.38	12.27	13.53	14.32	15.10	16.68	18.26	18.73	19.83	22.98	26.13	29.28
1.429	35	3.509	50	5.013	5.86	7.44	9.03	10.92	12.18	12.97	13.76	15.33	16.91	17.39	18.49	21.64	24.79	27.94
1.429	42	4.211	60	6.015		6.08	7.67	9.57	10.83	11.62	12.41	13.98	15.56	16.04	17.14	20.29	23.45	26.60
1.429	56	5.614	80	8.020					8.10	8.90	9.69	11.27	12.86	13.33	14.44	17.60	20.75	23.91
1.429	63	6.316	90	9.023							8.31	9.91	11.49	11.97	13.08	16.24	19.40	22.56
1.432	37	3.709	53	5.314	5.45	7.04	8.63	10.52	11.79	12.57	13.36	14.94	16.51	16.99	18.09	21.24	24.40	27.55
1.436	39	3.910	56	5.614		6.64	8.23	10.12	11.39	12.18	12.96	14.54	16.12	16.59	17.69	20.85	24.00	27.15
1.440	25	2.506	36	3.609	7.78	9.36	10.93	12.83	14.09	14.87	15.66	17.23	18.81	19.28	20.38	23.54	26.69	29.84
1.444	27	2.707	39	3.910	7.38	8.96	10.54	12.43	13.69	14.48	15.26	16.84	18.41	18.89	19.99	23.14	26.29	29.44
1.448	29	2.907	42	4.211	6.98	8.56	10.14	12.03	13.29	14.08	14.87	16.44	18.02	18.49	19.59	22.75	25.90	29.05
1.452	31	3.108	45	4.511	6.58	8.16	9.74	11.63	12.90	13.68	14.47	16.05	17.62	18.10	19.20	22.35	25.50	28.65
1.455	22	2.206	32	3.208	8.33	9.91	11.49	13.38	14.64	15.42	16.21	17.79	19.36	19.84	20.94	24.09	27.24	30.39
1.455	33	3.308	48	4.812	6.18	7.76	9.34	11.24	12.50	13.29	14.07	15.65	17.23	17.70	18.80	21.95	25.11	28.26
1.462	26	2.607	38	3.810	7.54	9.12	10.69	12.59	13.85	14.63	15.42	16.99	18.57	19.05	20.15	23.30	26.45	29.60
1.463	41	4.110	60	6.015		6.15	7.74	9.64	10.91	11.69	12.48	14.06	15.64	16.11	17.22	20.37	23.52	26.68
1.464	28	2.807	41	4.110	7.14	8.72	10.30	12.19	13.45	14.24	15.02	16.60	18.18	18.65	19.75	22.90	26.05	29.21
1.471	34	3.409	50	5.013	5.93	7.52	9.10	11.00	12.26	13.05	13.83	15.41	16.99	17.46	18.56	21.72	24.87	28.02
1.472	36	3.609	53	5.314	5.53	7.12	8.70	10.60	11.86	12.65	13.43	15.01	16.59	17.07	18.17	21.32	24.47	27.62
1.474	38	3.810	56	5.614		6.71	8.30	10.20	11.46	12.25	13.04	14.62	16.19	16.67	17.77	20.92	24.08	27.23
1.479	48	4.812	71	7.118				8.19	9.46	10.25	11.04	12.62	14.20	14.68	15.78	18.94	22.10	25.25
1.480	25	2.506	37	3.709	7.70	9.27	10.85	12.74	14.01	14.79	15.58	17.15	18.73	19.20	20.30	23.46	26.61	29.76
1.481	27	2.707	40	4.010	7.30	8.88	10.45	12.35	13.61	14.39	15.18	16.76	18.33	18.81	19.91	23.06	26.21	29.36
1.489	45	4.511	67	6.717			6.84	8.75	10.02	10.81	11.60	13.18	14.76	15.24	16.34	19.50	22.65	25.80
1.493	75	7.519	112	11.229											10.30	13.49	16.67	19.83
1.500	22	2.206	33	3.308	8.25	9.83	11.41	13.30	14.56	15.34	16.13	17.71	19.28	19.76	20.86	24.01	27.16	30.31
1.500	26	2.607	39	3.910	7.45	9.03	10.61	12.50	13.77	14.55	15.34	16.91	18.49	18.97	20.07	23.22	26.37	29.52
1.500	28	2.807	42	4.211	7.05	8.63	10.21	12.11	13.37	14.16	14.94	16.52	18.09	18.57	19.67	22.82	25.97	29.12
1.500	30	3.008	45	4.511	6.65	8.24	9.82	11.71	12.97	13.76	14.55	16.12	17.70	18.17	19.27	22.43	25.58	28.73
1.500	32	3.208	48	4.812	6.25	7.84	9.42	11.31	12.58	13.36	14.15	15.73	17.30	17.78	18.88	22.03	25.18	28.33
1.500	40	4.010	60	6.015		6.22	7.81	9.71	10.98	11.77	12.56	14.14	15.71	16.19	17.29	20.45	23.60	26.75
1.500	42	4.211	63	6.316		5.81	7.41	9.31	10.58	11.37	12.16	13.74	15.32	15.79	16.89	20.05	23.20	26.36
1.500	50	5.013	75	7.519				7.70	8.97	9.76	10.55	12.14	13.72	14.20	15.30	18.46	21.62	24.77
1.500	60	6.015	90	9.023							8.53	10.12	11.71	12.19	13.30	16.47	19.63	22.78
1.509	53	5.314	80	8.020					8.32	9.11	9.90	11.49	13.08	13.55	14.66	17.82	20.98	24.13
1.514	35	3.509	53	5.314	5.60	7.19	8.77	10.67	11.94	12.72	13.51	15.09	16.67	17.14	18.24	21.40	24.55	27.70
1.514	37	3.709	56	5.614	5.19	6.79	8.37	10.27	11.54	12.33	13.11	14.69	16.27	16.75	17.85	21.00	24.15	27.31
1.515	33	3.308	50	5.013	6.00	7.59	9.18	11.07	12.34	13.12	13.91	15.49	17.06	17.54	18.64	21.79	24.95	28.10
1.519	27	2.707	41	4.110	7.21	8.79	10.37	12.27	13.53	14.31	15.10	16.68	18.25	18.73	19.83	22.98	26.13	29.28
1.520	25	2.506	38	3.810	7.61	9.19	10.77	12.66	13.92	14.71	15.50	17.07	18.65	19.12	20.22	23.38	26.53	29.68
1.537	41	4.110	63	6.316		5.88	7.48	9.39	10.65	11.44	12.23	13.81	15.39	15.87	16.97	20.13	23.28	26.43
1.538	26	2.607	40	4.010	7.37	8.95	10.53	12.42	13.69	14.47	15.26	16.83	18.41	18.88	19.99	23.14	26.29	29.44
1.538	39	3.910	60	6.015		6.29	7.88	9.79	11.05	11.84	12.63	14.21	15.79	16.27	17.37	20.52	23.68	26.83
1.545	22	2.206	34	3.409	8.17	9.75	11.32	13.22	14.48	15.26	16.05	17.62	19.20	19.68	20.78	23.93	27.08	30.23
1.548	31	3.108	48	4.812	6.32	7.91	9.49	11.39	12.65	13.44	14.22	15.80	17.38	17.85	18.96	22.11	25.26	28.41
1.552	29	2.907	45	4.511	6.73	8.31	9.89	11.79	13.05	13.84	14.62	16.20	17.78	18.25	19.35	22.50	25.66	28.81
1.556	27	2.707	42	4.211	7.13	8.71	10.29	12.18	13.45	14.23	15.02	16.59	18.17	18.65	19.75	22.90	26.05	29.20
1.556	36	3.609	56	5.614	5.26	6.86	8.45	10.35	11.61	12.40	13.19	14.77	16.35	16.82	17.92	21.08	24.23	27.38
1.559	34	3.409	53	5.314	5.67	7.26	8.85	10.75	12.01	12.80	13.59	15.16	16.74	17.22	18.32	21.47	24.63	27.78
1.560	25	2.506	39	3.910	7.53	9.11	10.69	12.58	13.84	14.63	15.41	16.99	18.57	19.04	20.14	23.30	26.45	29.60
1.563	32	3.208	50	5.013	6.08	7.67	9.25	11.15	12.41	13.20	13.98	15.56	17.14	17.62	18.72	21.87	25.02	28.17
1.563	48	4.812	75	7.519				7.84	9.11	9.91	10.70	12.29	13.87	14.35	15.45	18.61	21.77	24.92
1.575	40	4.010	63	6.316		5.95	7.55	9.46	10.73	11.52	12.31	13.89	15.47	15.94	17.05	20.20	23.36	26.51
1.577	26	2.607	41	4.110	7.29	8.87	10.45	12.34	13.60	14.39	15.18	16.75	18.33	18.80	19.91	23.06	26.21	29.36
1.577	71	7.118	112	11.229										9.46	10.59	13.78	16.96	20.13
Length Factor*					0.79	0.83	0.87	0.91	0.94	0.96	0.97	1.00	1.03	1.03	1.05	1.10	1.14	1.17

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

8M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches														
	Driver		Driven		1792-8MX	2000-8MX	2200-8MX	2240-8MX	2400-8MX	2520-8MX	2600-8MX	2800-8MX	2840-8MX	3048-8MX	3200-8MX	3280-8MX	3600-8MX	4000-8MX	4400-8MX	4480-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches															
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**
1.366	41	4.110	56	5.614	27.63	31.72	35.66	36.45	39.60	41.96	43.54	47.48	48.26	52.20	55.35	56.92	63.22	71.10	78.97	80.55
1.367	30	3.008	41	4.110	29.68	33.78	37.71	38.50	41.65	44.01	45.59	49.53	50.31	54.25	57.40	58.97	65.27	73.15	81.02	82.60
1.370	27	2.707	37	3.709	30.23	34.33	38.26	39.05	42.20	44.56	46.14	50.08	50.86	54.80	57.95	59.52	65.82	73.70	81.57	83.15
1.371	35	3.509	48	4.812	28.73	32.83	36.76	37.55	40.70	43.06	44.64	48.58	49.37	53.30	56.45	58.03	64.33	72.20	80.08	81.65
1.379	29	2.907	40	4.010	29.84	33.93	37.87	38.66	41.81	44.17	45.74	49.68	50.47	54.40	57.55	59.13	65.43	73.31	81.18	82.76
1.385	26	2.607	36	3.609	30.39	34.48	38.42	39.21	42.36	44.72	46.30	50.24	51.02	54.96	58.11	59.68	65.98	73.86	81.73	83.31
1.389	36	3.609	50	5.013	28.49	32.59	36.53	37.32	40.47	42.83	44.40	48.34	49.13	53.06	56.21	57.79	64.09	71.96	79.84	81.42
1.393	28	2.807	39	3.910	29.99	34.09	38.03	38.82	41.97	44.33	45.90	49.84	50.63	54.56	57.71	59.29	65.59	73.46	81.34	82.91
1.395	38	3.810	53	5.314	28.10	32.20	36.13	36.92	40.07	42.43	44.01	47.95	48.73	52.67	55.82	57.39	63.69	71.57	79.45	81.02
1.396	48	4.812	67	6.717	26.20	30.30	34.24	35.03	38.18	40.54	42.11	46.06	46.84	50.78	53.93	55.50	61.80	69.68	77.55	79.13
1.400	25	2.506	35	3.509	30.55	34.64	38.58	39.37	42.52	44.88	46.45	50.39	51.18	55.11	58.26	59.84	66.14	74.01	81.89	83.46
1.400	30	3.008	42	4.211	29.60	33.69	37.63	38.42	41.57	43.93	45.51	49.45	50.23	54.17	57.32	58.89	65.19	73.07	80.94	82.52
1.400	40	4.010	56	5.614	27.70	31.80	35.74	36.53	39.68	42.04	43.61	47.55	48.34	52.28	55.43	57.00	63.30	71.18	79.05	80.63
1.400	45	4.511	63	6.316	26.76	30.85	34.79	35.58	38.73	41.09	42.67	46.61	47.39	51.33	54.48	56.05	62.35	70.23	78.11	79.68
1.400	80	8.020	112	11.229	20.09	24.20	28.14	28.93	32.09	34.45	36.03	39.97	40.76	44.69	47.84	49.42	55.72	63.60	71.48	73.05
1.406	32	3.208	45	4.511	29.21	33.30	37.24	38.03	41.18	43.54	45.11	49.05	49.84	53.77	56.92	58.50	64.80	72.67	80.55	82.12
1.407	27	2.707	38	3.810	30.15	34.25	38.18	38.97	42.12	44.48	46.06	50.00	50.78	54.72	57.87	59.44	65.74	73.62	81.49	83.07
1.409	22	2.206	31	3.108	31.10	35.19	39.13	39.92	43.07	45.43	47.00	50.94	51.73	55.66	58.81	60.39	66.69	74.57	82.44	84.02
1.412	34	3.409	48	4.812	28.81	32.91	36.84	37.63	40.78	43.14	44.72	48.66	49.44	53.38	56.53	58.10	64.40	72.28	80.16	81.73
1.414	29	2.907	41	4.110	29.76	33.85	37.79	38.58	41.73	44.09	45.66	49.61	50.39	54.33	57.48	59.05	65.35	73.23	81.10	82.68
1.415	53	5.314	75	7.519	25.17	29.27	33.21	34.00	37.15	39.51	41.09	45.03	45.81	49.75	52.90	54.47	60.78	68.65	76.53	78.10
1.420	50	5.013	71	7.118	25.73	29.82	33.76	34.55	37.70	40.06	41.64	45.58	46.37	50.30	53.45	55.03	61.33	69.20	77.08	78.66
1.423	26	2.607	37	3.709	30.31	34.41	38.34	39.13	42.28	44.64	46.22	50.16	50.94	54.88	58.03	59.60	65.90	73.78	81.65	83.23
1.429	28	2.807	40	4.010	29.91	34.01	37.95	38.74	41.89	44.25	45.82	49.76	50.55	54.48	57.63	59.21	65.51	73.38	81.26	82.83
1.429	35	3.509	50	5.013	28.57	32.67	36.60	37.39	40.54	42.91	44.48	48.42	49.21	53.14	56.29	57.87	64.17	72.04	79.92	81.49
1.429	42	4.211	60	6.015	27.23	31.33	35.26	36.05	39.20	41.56	43.14	47.08	47.87	51.80	54.95	56.53	62.83	70.70	78.58	80.15
1.429	56	5.614	80	8.020	24.54	28.64	32.57	33.37	36.52	38.88	40.45	44.40	45.18	49.12	52.27	53.84	60.14	68.02	75.90	77.47
1.429	63	6.316	90	9.023	23.19	27.29	31.23	32.02	35.17	37.53	39.11	43.05	43.84	47.77	50.92	52.50	58.80	66.68	74.56	76.13
1.432	37	3.709	53	5.314	28.18	32.27	36.21	37.00	40.15	42.51	44.09	48.03	48.81	52.75	55.90	57.47	63.77	71.65	79.52	81.10
1.436	39	3.910	56	5.614	27.78	31.88	35.81	36.60	39.76	42.12	43.69	47.63	48.42	52.35	55.50	57.08	63.38	71.25	79.13	80.71
1.440	25	2.506	36	3.609	30.47	34.56	38.50	39.29	42.44	44.80	46.37	50.31	51.10	55.03	58.18	59.76	66.06	73.94	81.81	83.39
1.444	27	2.707	39	3.910	30.07	34.17	38.10	38.89	42.04	44.40	45.98	49.92	50.70	54.64	57.79	59.36	65.67	73.54	81.42	82.99
1.448	29	2.907	42	4.211	29.68	33.77	37.71	38.50	41.65	44.01	45.58	49.53	50.31	54.25	57.40	58.97	65.27	73.15	81.02	82.60
1.452	31	3.108	45	4.511	29.28	33.38	37.31	38.10	41.26	43.62	45.19	49.13	49.92	53.85	57.00	58.58	64.88	72.75	80.63	82.20
1.455	22	2.206	32	3.208	31.02	35.11	39.05	39.84	42.99	45.35	46.93	50.87	51.65	55.59	58.74	60.31	66.61	74.49	82.36	83.94
1.455	33	3.308	48	4.812	28.89	32.98	36.92	37.71	40.86	43.22	44.80	48.74	49.52	53.46	56.61	58.18	64.48	72.36	80.23	81.81
1.462	26	2.607	38	3.810	30.23	34.32	38.26	39.05	42.20	44.56	46.14	50.08	50.86	54.80	57.95	59.52	65.82	73.70	81.57	83.15
1.463	41	4.110	60	6.015	27.31	31.40	35.34	36.13	39.28	41.64	43.22	47.16	47.94	51.88	55.03	56.60	62.91	70.78	78.66	80.23
1.464	28	2.807	41	4.110	29.84	33.93	37.87	38.66	41.81	44.17	45.74	49.68	50.47	54.40	57.55	59.13	65.43	73.30	81.18	82.75
1.471	34	3.409	50	5.013	28.65	32.75	36.68	37.47	40.62	42.98	44.56	48.50	49.28	53.22	56.37	57.94	64.25	72.12	80.00	81.57
1.472	36	3.609	53	5.314	28.25	32.35	36.29	37.08	40.23	42.59	44.16	48.10	48.89	52.83	55.98	57.55	63.85	71.73	79.60	81.18
1.474	38	3.810	56	5.614	27.86	31.96	35.89	36.68	39.83	42.19	43.77	47.71	48.50	52.43	55.58	57.16	63.46	71.33	79.21	80.78
1.479	48	4.812	71	7.118	25.88	29.98	33.92	34.71	37.86	40.22	41.79	45.74	46.52	50.46	53.61	55.18	61.48	69.36	77.24	78.81
1.480	25	2.506	37	3.709	30.39	34.48	38.42	39.21	42.36	44.72	46.29	50.24	51.02	54.96	58.11	59.68	65.98	73.86	81.73	83.31
1.481	27	2.707	40	4.010	29.99	34.09	38.02	38.81	41.96	44.32	45.90	49.84	50.63	54.56	57.71	59.29	65.59	73.46	81.34	82.91
1.489	45	4.511	67	6.717	26.43	30.53	34.47	35.26	38.41	40.77	42.35	46.29	47.07	51.01	54.16	55.74	62.04	69.91	77.79	79.36
1.493	75	7.519	112	11.229	20.47	24.58	28.52	29.31	32.47	34.83	36.41	40.35	41.14	45.08	48.23	49.81	56.11	63.99	71.87	73.44
1.500	22	2.206	33	3.308	30.94	35.03	38.97	39.76	42.91	45.27	46.85	50.79	51.57	55.51	58.66	60.23	66.53	74.41	82.28	83.86
1.500	26	2.607	39	3.910	30.15	34.25	38.18	38.97	42.12	44.48	46.06	50.00	50.78	54.72	57.87	59.44	65.74	73.62	81.49	83.07
1.500	28	2.807	42	4.211	29.75	33.85	37.79	38.58	41.73	44.09	45.66	49.60	50.39	54.32	57.47	59.05	65.35	73.22	81.10	82.68
1.500	30	3.008	45	4.511	29.36	33.46	37.39	38.18	41.33	43.69	45.27	49.21	49.99	53.93	57.08	58.65	64.96	72.83	80.71	82.28
1.500	32	3.208	48	4.812	28.97	33.06	37.00	37.79	40.94	43.30	44.87	48.81	49.60	53.54	56.69	58.26	64.56	72.44	80.31	81.89
1.500	40	4.010	60	6.015	27.38	31.48	35.42	36.21	39.36	41.72	43.29	47.24	48.02	51.96	55.11	56.68	62.98	70.86	78.74	80.31
1.500	42	4.211	63	6.316	26.99	31.08	35.02	35.81	38.96	41.32	42.90	46.84	47.63	51.56	54.71	56.29	62.59	70.46	78.34	79.92
1.500	50	5.013	75	7.519	25.40	29.50	33.44	34.23	37.38	39.74	41.32	45.26	46.05	49.98	53.13	54.71	61.01	68.89	76.76	78.34
1.500	60	6.015	90	9.023	23.42	27.52	31.46	32.25	35.40	37.76	39.34	43.28	44.07	48.01	51.16	52.73	59.04	66.91	74.79	76.36
1.509	53	5.314	80	8.020	24.77	28.87	32.80	33.60	36.75	39.11	40.69	44.63	45.41	49.35	52.50	54.08	60.38	68.25	76.13	77.71
1.514	35	3.509	53	5.314	28.33	32.43	36.36	37.15	40.31	42.67	44.24	48.18	48.97	52.90	56.05	57.63	63.93	71.80	79.68	81.26
1.514	37	3.709	56	5.614	27.94	32.03	35.97	36.76	39.91	42.27	43.85	47.79	48.57	52.51	55.66	57.23	63.54	71.41	79.29	80.86
1.515	33	3.308	50	5.013	28.73	32.82	36.76	37.55	40.70	43.06	44.64	48.58	49.36	53.30	56.45	58.02	64.32	72.20	80.08	81.65
1.519	27	2.707	41	4.110	29.91	34.01	37.94	38.73	41.89	44.25	45.82	49.76	50.55	54.48	57.63	59.21	65.51	73.38	81.26	82.83
1.520	25	2.506	38	3.810	30.31	34.40	38.34	39.13	42.28	44.64	46.21	50.16	50.94	54.88	58.03	59.60	65.90	73.78	81.65	83.23
1.537	41	4.110	63	6.316	27.06	31.16	35.10	35.89	39.04	41.40	42.98	46.92	47.70	51.64	54.79	56.37	62.67	70.54	78.42	79.99
1.538	26	2.607	40	4.010	30.07	34.17	38.10	38.89	42.04	44.40	45.98	49.92	50.70	54.64	57.79	59.36	65.66	73.54	81.41	82.99
1.538	39	3.910	60	6.015	27.46	31.56	35.49	36.28	39.44	41.80	43.37	47.31	48.10	52.03	55.18	56.76	63.06	70.94	78.81	80.39
1.545	22	2.206	34	3.409	30.86	34.95	38.89	39.68	42.83	45.19	46.77	50.71	51.49	55.43	58.58	60.15	66.45	74.33	82.20	83.78
1.548	31	3.108	48	4.812	29.04	33.14	37.07	37.87	41.02	43.38	44.95	48.89	49.68	53.61	56.76	58.34	64.64	72.51	80.39	81.97
1.552	29	2.907	45	4.511	29.44	33.53	37.47	38.26	41.41	43.77	45.35	49.29	50.07	54.01	57.16	58.73	65.03	72.91	80.78	82.36
1.556	27	2.707	42	4.211	29.83	33.93	37.86	38.65	41.80	44.17	45.74	49.68	50.47	54.40	57.55	59.13	65.43	73.30	81.18	82.75
1.556	36	3.609	56	5.614	28.01	32.11	36.05	36.84	39.99	42.35	43.92	47.87	48.65	52.59	55.74	57.31	63.61	71.49	79.36	80.94
1.559	34	3.409	53	5.314	28.41	32.51	36.44	37.23	40.38	42.74	44.32	48.26	49.04	52.98	56.13	57.71	64.01	71.88	79.76	81.33
1.560	25	2.506	39	3.910	30.23	34.32	38.26	39.05	42.20	44.56	46.14	50.08	50.86	54.80	57.95	59.52	65.82	73.70	81.57	83.15
1.563	32	3.208	50	5.013	28.80	32.90	36.84	37.63	40.78	43.14	44.71	48.65	49.44	53.38	56.53	58.10	64.40	72.28	80.15	81.73
1.563	48	4.812	75	7.519	25.55	29.65	33.59	34.38	37.54	39.90	41.47	45.42	46.20	50.14	53.29	54.86	61.17	69.04	76.92	78.49
1.575	40	4.010	63	6.316	27.14	31.24	35.18	35.97	39.12	41.48	43.05	47.00	47.78	51.72	54.87	56.44	62.74	70.62	78.50	80.07
1.577	26	2.607	41	4.110	29.99	34.09	38.02	38.81	41.96	44.32	45.90	49.84	50.62	54.56	57.71	59.28	65.59	73.46	81.34	82.91
1.577	71	7.118	112	11.229	20.76	24.88	28.82	29.61	32.77	35.14	36.71	40.66	41.44	45.38	48.54	50.11	56.42	64.30	72.18	73.75
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

* The length correction factor must be used to determine the proper belt width.

Selection program available online at ptwizard.com

DODGE

8M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		640-8MX	720-8MX	800-8MX	896-8MX	960-8MX	1000-8MX	1040-8MX	1120-8MX	1200-8MX	1224-8MX	1280-8MX	1440-8MX	1600-8MX	1760-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**
1.578	45	4.511	71	7.118			6.49	8.41	9.68	10.47	11.26	12.85	14.43	14.90	16.01	19.17	22.32	25.48
1.579	38	3.810	60	6.015		6.36	7.96	9.86	11.13	11.92	12.71	14.29	15.87	16.34	17.44	20.60	23.75	26.91
1.591	22	2.206	35	3.509	8.09	9.66	11.24	13.14	14.40	15.18	15.97	17.54	19.12	19.60	20.70	23.85	27.00	30.15
1.595	42	4.211	67	6.717			7.06	8.97	10.24	11.03	11.82	13.40	14.98	15.46	16.56	19.72	22.88	26.03
1.600	25	2.506	40	4.010	7.44	9.03	10.61	12.50	13.76	14.55	15.33	16.91	18.49	18.96	20.06	23.22	26.37	29.52
1.600	30	3.008	48	4.812	6.39	7.98	9.57	11.46	12.73	13.51	14.30	15.88	17.45	17.93	19.03	22.18	25.34	28.49
1.600	35	3.509	56	5.614	5.33	6.93	8.52	10.42	11.69	12.48	13.26	14.84	16.42	16.90	18.00	21.15	24.31	27.46
1.600	50	5.013	80	8.020				7.25	8.53	9.33	10.12	11.71	13.30	13.78	14.88	18.05	21.21	24.36
1.606	33	3.308	53	5.314	5.74	7.33	8.92	10.82	12.09	12.87	13.66	15.24	16.82	17.29	18.40	21.55	24.70	27.86
1.607	28	2.807	45	4.511	6.80	8.38	9.97	11.86	13.12	13.91	14.70	16.28	17.85	18.33	19.43	22.58	25.73	28.88
1.607	56	5.614	90	9.023						8.01	8.81	10.41	12.00	12.48	13.59	16.76	19.93	23.09
1.613	31	3.108	50	5.013	6.15	7.74	9.32	11.22	12.49	13.27	14.06	15.64	17.22	17.69	18.79	21.95	25.10	28.25
1.615	26	2.607	42	4.211	7.20	8.78	10.36	12.26	13.52	14.31	15.09	16.67	18.25	18.72	19.82	22.98	26.13	29.28
1.615	39	3.910	63	6.316		6.02	7.62	9.53	10.80	11.59	12.38	13.96	15.54	16.02	17.12	20.28	23.43	26.59
1.622	37	3.709	60	6.015		6.43	8.03	9.94	11.20	11.99	12.78	14.36	15.94	16.42	17.52	20.68	23.83	26.98
1.634	41	4.110	67	6.717			7.13	9.04	10.31	11.10	11.90	13.48	15.06	15.54	16.64	19.80	22.95	26.11
1.636	22	2.206	36	3.609	8.00	9.58	11.16	13.05	14.32	15.10	15.89	17.46	19.04	19.52	20.62	23.77	26.92	30.07
1.640	25	2.506	41	4.110	7.36	8.94	10.52	12.42	13.68	14.47	15.25	16.83	18.41	18.88	19.98	23.13	26.29	29.44
1.647	34	3.409	56	5.614	5.40	7.00	8.59	10.50	11.76	12.55	13.34	14.92	16.50	16.97	18.07	21.23	24.38	27.54
1.655	29	2.907	48	4.812	6.47	8.06	9.64	11.54	12.80	13.59	14.38	15.95	17.53	18.01	19.11	22.26	25.41	28.57
1.656	32	3.208	53	5.314	5.81	7.41	9.00	10.90	12.16	12.95	13.74	15.32	16.89	17.37	18.47	21.63	24.78	27.93
1.658	38	3.810	63	6.316		6.09	7.69	9.61	10.87	11.66	12.45	14.04	15.62	16.09	17.20	20.35	23.51	26.66
1.667	27	2.707	45	4.511	6.87	8.46	10.04	11.94	13.20	13.99	14.77	16.35	17.93	18.40	19.51	22.66	25.81	28.96
1.667	30	3.008	50	5.013	6.22	7.81	9.40	11.30	12.56	13.35	14.13	15.71	17.29	17.77	18.87	22.02	25.18	28.33
1.667	36	3.609	60	6.015		6.50	8.10	10.01	11.28	12.07	12.85	14.44	16.02	16.49	17.60	20.75	23.91	27.06
1.667	45	4.511	75	7.519				8.05	9.33	10.12	10.92	12.51	14.09	14.57	15.67	18.84	22.00	25.15
1.667	48	4.812	80	8.020				7.39	8.67	9.47	10.27	11.86	13.45	13.92	15.03	18.20	21.36	24.51
1.672	67	6.717	112	11.229										9.74	10.87	14.07	17.25	20.43
1.675	40	4.010	67	6.717			7.20	9.11	10.39	11.18	11.97	13.55	15.13	15.61	16.72	19.87	23.03	26.19
1.680	25	2.506	42	4.211	7.27	8.86	10.44	12.34	13.60	14.38	15.17	16.75	18.32	18.80	19.90	23.05	26.21	29.36
1.682	22	2.206	37	3.709	7.92	9.50	11.08	12.97	14.23	15.02	15.81	17.38	18.96	19.43	20.54	23.69	26.84	29.99
1.690	42	4.211	71	7.118			6.69	8.62	9.90	10.69	11.48	13.07	14.65	15.13	16.23	19.39	22.55	25.71
1.697	33	3.308	56	5.614	5.47	7.07	8.67	10.57	11.84	12.62	13.41	14.99	16.57	17.05	18.15	21.31	24.46	27.61
1.698	53	5.314	90	9.023					7.41	8.21	9.02	10.62	12.22	12.70	13.81	16.98	20.15	23.31
1.703	37	3.709	63	6.316		6.16	7.77	9.68	10.95	11.74	12.53	14.11	15.69	16.17	17.27	20.43	23.59	26.74
1.710	31	3.108	53	5.314	5.88	7.48	9.07	10.97	12.24	13.02	13.81	15.39	16.97	17.45	18.55	21.70	24.86	28.01
1.714	28	2.807	48	4.812	6.54	8.13	9.71	11.61	12.88	13.66	14.45	16.03	17.61	18.08	19.18	22.34	25.49	28.64
1.714	35	3.509	60	6.015		6.58	8.17	10.08	11.35	12.14	12.93	14.51	16.09	16.57	17.67	20.83	23.98	27.14
1.718	39	3.910	67	6.717			7.27	9.19	10.46	11.25	12.04	13.63	15.21	15.69	16.79	19.95	23.11	26.26
1.724	29	2.907	50	5.013	6.29	7.88	9.47	11.37	12.64	13.42	14.21	15.79	17.37	17.84	18.95	22.10	25.25	28.41
1.727	22	2.206	38	3.810	7.83	9.42	11.00	12.89	14.15	14.94	15.72	17.30	18.88	19.35	20.45	23.61	26.76	29.91
1.731	26	2.607	45	4.511	6.94	8.53	10.11	12.01	13.28	14.06	14.85	16.43	18.00	18.48	19.58	22.73	25.89	29.04
1.732	41	4.110	71	7.118			6.76	8.69	9.97	10.76	11.55	13.14	14.72	15.20	16.31	19.47	22.63	25.78
1.750	32	3.208	56	5.614	5.54	7.14	8.74	10.64	11.91	12.70	13.49	15.07	16.65	17.12	18.23	21.38	24.54	27.69
1.750	36	3.609	63	6.316		6.23	7.84	9.75	11.02	11.81	12.60	14.19	15.77	16.24	17.35	20.51	23.66	26.82
1.750	80	8.020	140	14.036													13.84	17.06
1.763	38	3.810	67	6.717			7.34	9.26	10.53	11.32	12.11	13.70	15.28	15.76	16.86	20.02	23.18	26.34
1.765	34	3.409	60	6.015		6.65	8.25	10.15	11.42	12.21	13.00	14.59	16.17	16.64	17.75	20.90	24.06	27.21
1.767	30	3.008	53	5.314	5.95	7.55	9.14	11.04	12.31	13.10	13.89	15.47	17.04	17.52	18.62	21.78	24.93	28.09
1.773	22	2.206	39	3.910	7.75	9.33	10.91	12.81	14.07	14.86	15.64	17.22	18.80	19.27	20.37	23.53	26.68	29.83
1.775	40	4.010	71	7.118			6.83	8.76	10.04	10.83	11.63	13.21	14.80	15.28	16.38	19.54	22.70	25.86
1.778	27	2.707	48	4.812	6.61	8.20	9.79	11.69	12.95	13.74	14.53	16.11	17.68	18.16	19.26	22.41	25.57	28.72
1.778	45	4.511	80	8.020				7.59	8.88	9.68	10.48	12.08	13.67	14.14	15.25	18.42	21.58	24.74
1.778	63	6.316	112	11.229									9.52	10.01	11.14	14.35	17.54	20.72
1.786	28	2.807	50	5.013	6.36	7.96	9.54	11.44	12.71	13.50	14.29	15.86	17.44	17.92	19.02	22.18	25.33	28.48
1.786	42	4.211	75	7.519				8.26	9.54	10.34	11.13	12.72	14.31	14.79	15.90	19.06	22.22	25.38
1.800	25	2.506	45	4.511	7.02	8.61	10.19	12.09	13.35	14.14	14.93	16.50	18.08	18.56	19.66	22.81	25.96	29.12
1.800	35	3.509	63	6.316		6.30	7.91	9.82	11.09	11.89	12.68	14.26	15.84	16.32	17.42	20.58	23.74	26.89
1.800	50	5.013	90	9.023					7.61	8.42	9.23	10.84	12.43	12.92	14.03	17.20	20.37	23.54
1.806	31	3.108	56	5.614	5.61	7.22	8.81	10.72	11.98	12.77	13.56	15.14	16.72	17.20	18.30	21.46	24.61	27.77
1.811	37	3.709	67	6.717		5.79	7.41	9.33	10.60	11.40	12.19	13.77	15.36	15.83	16.94	20.10	23.26	26.41
1.818	22	2.206	40	4.010	7.66	9.25	10.83	12.73	13.99	14.78	15.56	17.14	18.72	19.19	20.29	23.45	26.60	29.75
1.818	33	3.308	60	6.015		6.72	8.32	10.23	11.50	12.29	13.08	14.66	16.24	16.72	17.82	20.98	24.13	27.29
1.821	39	3.910	71	7.118			6.90	8.83	10.11	10.91	11.70	13.29	14.87	15.35	16.46	19.62	22.78	25.93
1.828	29	2.907	53	5.314	6.02	7.62	9.21	11.12	12.38	13.17	13.96	15.54	17.12	17.60	18.70	21.86	25.01	28.16
1.829	41	4.110	75	7.519			6.39	8.33	9.62	10.41	11.21	12.80	14.39	14.86	15.97	19.14	22.30	25.45
1.846	26	2.607	48	4.812	6.68	8.27	9.86	11.76	13.03	13.81	14.60	16.18	17.76	18.23	19.34	22.49	25.64	28.80
1.852	27	2.707	50	5.013	6.43	8.03	9.62	11.52	12.78	13.57	14.36	15.94	17.52	17.99	19.10	22.25	25.41	28.56
1.853	34	3.409	63	6.316		6.37	7.98	9.90	11.17	11.96	12.75	14.33	15.92	16.39	17.50	20.66	23.81	26.97
1.861	36	3.609	67	6.717		5.86	7.48	9.40	10.68	11.47	12.26	13.85	15.43	15.91	17.01	20.18	23.33	26.49
1.864	22	2.206	41	4.110	7.58	9.16	10.75	12.64	13.91	14.69	15.48	17.06	18.64	19.11	20.21	23.37	26.52	29.67
1.867	30	3.008	56	5.614	5.68	7.29	8.88	10.79	12.06	12.85	13.64	15.22	16.80	17.27	18.38	21.53	24.69	27.84
1.867	60	6.015	112	11.229									9.73	10.22	11.35	14.57	17.76	20.94
1.867	75	7.519	140	14.036													14.19	17.41
1.868	38	3.810	71	7.118			6.97	8.90	10.18	10.98	11.77	13.36	14.95	15.42	16.53	19.69	22.85	26.01
1.875	32	3.208	60	6.015	5.16	6.79	8.39	10.30	11.57	12.36	13.15	14.73	16.32	16.79	17.90	21.05	24.21	27.37
1.875	40	4.010	75	7.519			6.46	8.40	9.69	10.48	11.28	12.87	14.46	14.94	16.04	19.21	22.37	25.53
1.875	48	4.812	90	9.023					7.75	8.56	9.37	10.98	12.58	13.06	14.17	17.35	20.52	23.69
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

8M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches														
	Driver		Driven		1792-8MX	2000-8MX	2200-8MX	2240-8MX	2400-8MX	2520-8MX	2600-8MX	2800-8MX	2840-8MX	3048-8MX	3200-8MX	3280-8MX	3600-8MX	4000-8MX	4400-8MX	4480-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches															
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**
1.578	45	4.511	71	7.118	26.11	30.21	34.15	34.94	38.09	40.45	42.03	45.97	46.75	50.85	53.84	55.42	61.72	69.59	77.47	79.05
1.579	38	3.810	60	6.015	27.54	31.63	35.57	36.36	39.51	41.87	43.45	47.39	48.18	52.27	55.26	56.84	63.14	71.01	78.89	80.47
1.591	22	2.206	35	3.509	30.78	34.88	38.81	39.60	42.75	45.11	46.69	50.63	51.41	55.51	58.50	60.07	66.37	74.25	82.12	83.70
1.595	42	4.211	67	6.717	26.66	30.76	34.70	35.49	38.64	41.00	42.58	46.52	47.31	51.40	54.39	55.97	62.27	70.15	78.02	79.60
1.600	25	2.506	40	4.010	30.15	34.24	38.18	38.97	42.12	44.48	46.06	50.00	50.78	54.88	57.87	59.44	65.74	73.62	81.49	83.07
1.600	30	3.008	48	4.812	29.12	33.22	37.15	37.94	41.09	43.45	45.03	48.97	49.76	53.85	56.84	58.42	64.72	72.59	80.47	82.04
1.600	35	3.509	56	5.614	28.09	32.19	36.12	36.91	40.07	42.43	44.00	47.94	48.73	52.82	55.81	57.39	63.69	71.57	79.44	81.02
1.600	50	5.013	80	8.020	24.99	29.10	33.03	33.83	36.98	39.34	40.92	44.86	45.64	49.74	52.73	54.31	60.61	68.49	76.36	77.94
1.606	33	3.308	53	5.314	28.49	32.58	36.52	37.31	40.46	42.82	44.40	48.34	49.12	53.22	56.21	57.78	64.09	71.96	79.84	81.41
1.607	28	2.807	45	4.511	29.52	33.61	37.55	38.34	41.49	43.85	45.42	49.37	50.15	54.25	57.24	58.81	65.11	72.99	80.86	82.44
1.607	56	5.614	90	9.023	23.72	27.82	31.76	32.55	35.71	38.07	39.65	43.59	44.38	48.47	51.47	53.04	59.34	67.22	75.10	76.68
1.613	31	3.108	50	5.013	28.88	32.98	36.91	37.70	40.86	43.22	44.79	48.73	49.52	53.61	56.60	58.18	64.48	72.36	80.23	81.81
1.615	26	2.607	42	4.211	29.91	34.01	37.94	38.73	41.88	44.24	45.82	49.76	50.54	54.64	57.63	59.20	65.51	73.38	81.26	82.83
1.615	39	3.910	63	6.316	27.22	31.32	35.25	36.04	39.20	41.56	43.13	47.07	47.86	51.95	54.95	56.52	62.82	70.70	78.57	80.15
1.622	37	3.709	60	6.015	27.61	31.71	35.65	36.44	39.59	41.95	43.53	47.47	48.25	52.35	55.34	56.92	63.22	71.09	78.97	80.54
1.634	41	4.110	67	6.717	26.74	30.84	34.78	35.57	38.72	41.08	42.66	46.60	47.38	51.48	54.47	56.05	62.35	70.22	78.10	79.68
1.636	22	2.206	36	3.609	30.70	34.80	38.73	39.52	42.67	45.03	46.61	50.55	51.33	55.43	58.42	59.99	66.29	74.17	82.04	83.62
1.640	25	2.506	41	4.110	30.07	34.16	38.10	38.89	42.04	44.40	45.98	49.92	50.70	54.80	57.79	59.36	65.66	73.54	81.41	82.99
1.647	34	3.409	56	5.614	28.17	32.26	36.20	36.99	40.14	42.50	44.08	48.02	48.81	52.90	55.89	57.47	63.77	71.64	79.52	81.10
1.655	29	2.907	48	4.812	29.20	33.29	37.23	38.02	41.17	43.53	45.11	49.05	49.83	53.93	56.92	58.49	64.80	72.67	80.55	82.12
1.656	32	3.208	53	5.314	28.56	32.66	36.60	37.39	40.54	42.90	44.47	48.42	49.20	53.30	56.29	57.86	64.16	72.04	79.91	81.49
1.658	38	3.810	63	6.316	27.29	31.39	35.33	36.12	39.27	41.63	43.21	47.15	47.94	52.03	55.02	56.60	62.90	70.78	78.65	80.23
1.667	27	2.707	45	4.511	29.59	33.69	37.63	38.42	41.57	43.93	45.50	49.44	50.23	54.32	57.31	58.89	65.19	73.07	80.94	82.52
1.667	30	3.008	50	5.013	28.96	33.06	36.99	37.78	40.93	43.29	44.87	48.81	49.60	53.69	56.68	58.26	64.56	72.43	80.31	81.88
1.667	36	3.609	60	6.015	27.69	31.79	35.73	36.52	39.67	42.03	43.60	47.55	48.33	52.43	55.42	56.99	63.29	71.17	79.05	80.62
1.667	45	4.511	75	7.519	25.78	29.88	33.82	34.61	37.77	40.13	41.70	45.65	46.43	50.53	53.52	55.10	61.40	69.28	77.15	78.73
1.667	48	4.812	80	8.020	25.15	29.25	33.19	33.98	37.13	39.49	41.07	45.01	45.80	49.90	52.89	54.46	60.77	68.64	76.52	78.10
1.672	67	6.717	112	11.229	21.06	25.17	29.12	29.92	33.07	35.44	37.02	40.96	41.75	45.85	48.84	50.42	56.73	64.61	72.49	74.06
1.675	40	4.010	67	6.717	26.82	30.92	34.85	35.64	38.80	41.16	42.73	46.68	47.46	51.56	54.55	56.12	62.43	70.30	78.18	79.75
1.680	25	2.506	42	4.211	29.99	34.08	38.02	38.81	41.96	44.32	45.90	49.84	50.62	54.72	57.71	59.28	65.58	73.46	81.34	82.91
1.682	22	2.206	37	3.709	30.62	34.72	38.65	39.44	42.59	44.95	46.53	50.47	51.25	55.35	58.34	59.91	66.22	74.09	81.97	83.54
1.690	42	4.211	71	7.118	26.34	30.44	34.38	35.17	38.32	40.68	42.26	46.20	46.98	51.08	54.07	55.65	61.95	69.83	77.70	79.28
1.697	33	3.308	56	5.614	28.24	32.34	36.28	37.07	40.22	42.58	44.16	48.10	48.88	52.98	55.97	57.55	63.85	71.72	79.60	81.17
1.698	53	5.314	90	9.023	23.94	28.05	31.99	32.78	35.94	38.30	39.88	43.82	44.61	48.70	51.70	53.27	59.58	67.45	75.33	76.91
1.703	37	3.709	63	6.316	27.37	31.47	35.41	36.20	39.35	41.71	43.29	47.23	48.01	52.11	55.10	56.68	62.98	70.85	78.73	80.31
1.710	31	3.108	53	5.314	28.64	32.74	36.67	37.46	40.62	42.98	44.55	48.49	49.28	53.37	56.36	57.94	64.24	72.12	79.99	81.57
1.714	28	2.807	48	4.812	29.27	33.37	37.31	38.10	41.25	43.61	45.18	49.13	49.91	54.01	57.00	58.57	64.87	72.75	80.62	82.20
1.714	35	3.509	60	6.015	27.77	31.87	35.80	36.59	39.75	42.11	43.68	47.62	48.41	52.50	55.50	57.07	63.37	71.25	79.12	80.70
1.718	39	3.910	67	6.717	26.89	30.99	34.93	35.72	38.87	41.23	42.81	46.75	47.54	51.63	54.63	56.20	62.50	70.38	78.26	79.83
1.724	29	2.907	50	5.013	29.04	33.13	37.07	37.86	41.01	43.37	44.95	48.89	49.67	53.77	56.76	58.34	64.64	72.51	80.39	81.96
1.727	22	2.206	38	3.810	30.54	34.64	38.57	39.36	42.51	44.87	46.45	50.39	51.17	55.27	58.26	59.83	66.14	74.01	81.89	83.46
1.731	26	2.607	45	4.511	29.67	33.77	37.70	38.49	41.64	44.00	45.58	49.52	50.31	54.40	57.39	58.97	65.27	73.14	81.02	82.59
1.732	41	4.110	71	7.118	26.41	30.51	34.45	35.24	38.40	40.76	42.33	46.28	47.06	51.16	54.15	55.73	62.03	69.91	77.78	79.36
1.750	32	3.208	56	5.614	28.32	32.42	36.36	37.15	40.30	42.66	44.23	48.18	48.96	53.06	56.05	57.62	63.92	71.80	79.68	81.25
1.750	36	3.609	63	6.316	27.45	31.55	35.48	36.27	39.43	41.79	43.36	47.31	48.09	52.19	55.18	56.75	63.06	70.93	78.81	80.38
1.750	80	8.020	140	14.036	17.70	21.84	25.81	26.60	29.77	32.14	33.72	37.68	38.46	42.57	45.57	47.15	53.46	61.34	69.23	70.80
1.763	38	3.810	67	6.717	26.97	31.07	35.01	35.80	38.95	41.31	42.89	46.83	47.61	51.71	54.70	56.28	62.58	70.46	78.33	79.91
1.765	34	3.409	60	6.015	27.84	31.94	35.88	36.67	39.82	42.18	43.76	47.70	48.49	52.58	55.57	57.15	63.45	71.33	79.20	80.78
1.767	30	3.008	53	5.314	28.72	32.81	36.75	37.54	40.69	43.05	44.63	48.57	49.36	53.45	56.44	58.02	64.32	72.19	80.07	81.65
1.773	22	2.206	39	3.910	30.46	34.56	38.49	39.28	42.43	44.79	46.37	50.31	51.09	55.19	58.18	59.76	66.06	73.93	81.81	83.38
1.775	40	4.010	71	7.118	26.49	30.59	34.53	35.32	38.47	40.84	42.41	46.35	47.14	51.24	54.23	55.80	62.11	69.98	77.86	79.43
1.778	27	2.707	48	4.812	29.35	33.45	37.38	38.18	41.33	43.69	45.26	49.20	49.99	54.08	57.07	58.65	64.95	72.83	80.70	82.28
1.778	45	4.511	80	8.020	25.37	29.48	33.42	34.21	37.36	39.72	41.30	45.24	46.03	50.13	53.12	54.70	61.00	68.88	76.75	78.33
1.778	63	6.316	112	11.229	21.35	25.47	29.42	30.22	33.37	35.74	37.32	41.27	42.05	46.15	49.15	50.73	57.03	64.91	72.79	74.37
1.786	28	2.807	50	5.013	29.11	33.21	37.15	37.94	41.09	43.45	45.02	48.97	49.75	53.85	56.84	58.41	64.71	72.59	80.47	82.04
1.786	42	4.211	75	7.519	26.01	30.11	34.05	34.84	38.00	40.36	41.93	45.88	46.66	50.76	53.75	55.33	61.63	69.51	77.38	78.96
1.800	25	2.506	45	4.511	29.75	33.84	37.78	38.57	41.72	44.08	45.66	49.60	50.38	54.48	57.47	59.05	65.35	73.22	81.10	82.67
1.800	35	3.509	63	6.316	27.52	31.62	35.56	36.35	39.50	41.86	43.44	47.38	48.17	52.26	55.26	56.83	63.13	71.01	78.89	80.46
1.800	50	5.013	90	9.023	24.17	28.28	32.22	33.01	36.17	38.53	40.11	44.05	44.84	48.94	51.93	53.50	59.81	67.69	75.56	77.14
1.806	31	3.108	56	5.614	28.40	32.50	36.43	37.22	40.38	42.74	44.31	48.25	49.04	53.13	56.13	57.70	64.00	71.88	79.75	81.33
1.811	37	3.709	67	6.717	27.04	31.15	35.08	35.87	39.03	41.39	42.97	46.91	47.69	51.79	54.78	56.36	62.66	70.54	78.41	79.99
1.818	22	2.206	40	4.010	30.38	34.48	38.41	39.20	42.35	44.71	46.29	50.23	51.01	55.11	58.10	59.68	65.98	73.85	81.73	83.30
1.818	33	3.308	60	6.015	27.92	32.02	35.96	36.75	39.90	42.26	43.84	47.78	48.56	52.66	55.65	57.23	63.53	71.40	79.28	80.86
1.821	39	3.910	71	7.118	26.57	30.67	34.61	35.40	38.55	40.91	42.49	46.43	47.22	51.31	54.30	55.88	62.18	70.06	77.94	79.51
1.828	29	2.907	53	5.314	28.79	32.89	36.83	37.62	40.77	43.13	44.71	48.65	49.43	53.53	56.52	58.10	64.40	72.27	80.15	81.72
1.829	41	4.110	75	7.519	26.09	30.19	34.13	34.92	38.07	40.44	42.01	45.95	46.74	50.84	53.83	55.41	61.71	69.59	77.46	79.04
1.846	26	2.607	48	4.812	29.43	33.53	37.46	38.25	41.40	43.76	45.34	49.28	50.07	54.16	57.15	58.73	65.03	72.90	80.78	82.36
1.852	27	2.707	50	5.013	29.19	33.29	37.22	38.01	41.17	43.53	45.10	49.04	49.83	53.92	56.92	58.49	64.79	72.67	80.54	82.12
1.853	34	3.409	63	6.316	27.60	31.70	35.64	36.43	39.58	41.94	43.52	47.46	48.25	52.34	55.33	56.91	63.21	71.09	78.96	80.54
1.861	36	3.609	67	6.717	27.12	31.22	35.16	35.95	39.10	41.47	43.04	46.98	47.77	51.87	54.86	56.43	62.74	70.61	78.49	80.06
1.864	22	2.206	41	4.110	30.30	34.40	38.33	39.12	42.27	44.63	46.21	50.15	50.94	55.03	58.02	59.60	65.90	73.77	81.65	83.22
1.867	30	3.008	56	5.614	28.47	32.57	36.51	37.30	40.45	42.81	44.39	48.33	49.12	53.21	56.20	57.78	64.08	71.96	79.83	81.41
1.867	60	6.015	112	11.229	21.57	25.69	29.65	30.44	33.60	35.97	37.55	41.49	42.28	46.38	49.38	50.95	57.26	65.14	73.03	74.60
1.867	75	7.519	140	14.036	18.05	22.20	26.17	26.97	30.14	32.51	34.09	38.05	38.84	42.95	45.95	47.52	53.84	61.72	69.61	71.19
1.868	38	3.810	71	7.118	26.64	30.74	34.68	35.47	38.63	40.99	42.57	46.51	47.29	51.39	54.38	55.96	62.26	70.14	78.01	79.59
1.875	32	3.208	60	6.015	28.00	32.10	36.03	36.82	39.98	42.34	43.91	47.86	48.64	52.74	55.73	57.30	63.61	71.48	79.36	80.93
1.875	40	4.010	75	7.519	26.16	30.26	34.21	35.00	38.15	40.51	42.09	46.03	46.82	50.91	53.91	55.48	61.79	69.66	77.54	79.12
1.875	48	4.812	90	9.023	24.32	28.43	32.37	33.16	36.32	38.68	40.26	44.20	44.99	49.09	52.08	53.66	59.96	67.84	75.72	77.30
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

* The length correction factor must be used to determine the proper belt width.

Selection program available online at ptwizard.com

DODGE

8M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		640-8MX	720-8MX	800-8MX	896-8MX	960-8MX	1000-8MX	1040-8MX	1120-8MX	1200-8MX	1224-8MX	1280-8MX	1440-8MX	1600-8MX	1760-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**
1.893	28	2.807	53	5.314	6.09	7.69	9.29	11.19	12.46	13.25	14.04	15.62	17.20	17.67	18.77	21.93	25.09	28.24
1.905	42	4.211	80	8.020				7.80	9.09	9.89	10.69	12.29	13.88	14.36	15.47	18.64	21.81	24.97
1.909	22	2.206	42	4.211	7.49	9.08	10.66	12.56	13.82	14.61	15.40	16.98	18.55	19.03	20.13	23.28	26.44	29.59
1.909	33	3.308	63	6.316		6.44	8.05	9.97	11.24	12.03	12.82	14.41	15.99	16.47	17.57	20.73	23.89	27.04
1.914	35	3.509	67	6.717		5.93	7.55	9.47	10.75	11.54	12.33	13.92	15.51	15.98	17.09	20.25	23.41	26.57
1.919	37	3.709	71	7.118			7.04	8.97	10.25	11.05	11.84	13.43	15.02	15.50	16.60	19.77	22.93	26.09
1.920	25	2.506	48	4.812	6.75	8.35	9.94	11.84	13.10	13.89	14.68	16.26	17.84	18.31	19.41	22.57	25.72	28.87
1.923	26	2.607	50	5.013	6.50	8.10	9.69	11.59	12.86	13.65	14.44	16.02	17.59	18.07	19.17	22.33	25.48	28.63
1.923	39	3.910	75	7.519			6.52	8.47	9.76	10.55	11.35	12.94	14.53	15.01	16.12	19.28	22.45	25.61
1.931	29	2.907	56	5.614	5.75	7.36	8.96	10.86	12.13	12.92	13.71	15.29	16.87	17.35	18.45	21.61	24.77	27.92
1.935	31	3.108	60	6.015	5.23	6.86	8.46	10.37	11.64	12.43	13.22	14.81	16.39	16.87	17.97	21.13	24.29	27.44
1.951	41	4.110	80	8.020				7.87	9.16	9.97	10.77	12.36	13.96	14.44	15.55	18.72	21.88	25.04
1.963	27	2.707	53	5.314	6.16	7.77	9.36	11.26	12.53	13.32	14.11	15.69	17.27	17.75	18.85	22.01	25.16	28.32
1.969	32	3.208	63	6.316		6.51	8.12	10.04	11.31	12.10	12.90	14.48	16.06	16.54	17.65	20.81	23.96	27.12
1.971	34	3.409	67	6.717		5.99	7.62	9.54	10.82	11.61	12.41	13.99	15.58	16.06	17.16	20.32	23.48	26.64
1.972	36	3.609	71	7.118			7.11	9.04	10.33	11.12	11.92	13.51	15.09	15.57	16.68	19.84	23.00	26.16
1.972	71	7.118	140	14.036												11.19	14.47	17.69
1.974	38	3.810	75	7.519			6.59	8.54	9.83	10.62	11.42	13.01	14.60	15.08	16.19	19.36	22.52	25.68
2.000	25	2.506	50	5.013	6.57	8.17	9.76	11.67	12.93	13.72	14.51	16.09	17.67	18.15	19.25	22.40	25.56	28.71
2.000	28	2.807	56	5.614	5.82	7.43	9.03	10.94	12.21	13.00	13.78	15.37	16.95	17.42	18.53	21.69	24.84	28.00
2.000	30	3.008	60	6.015	5.30	6.92	8.53	10.44	11.72	12.51	13.30	14.88	16.46	16.94	18.05	21.21	24.36	27.52
2.000	40	4.010	80	8.020				7.94	9.23	10.04	10.84	12.43	14.03	14.51	15.62	18.79	21.96	25.12
2.000	45	4.511	90	9.023					7.95	8.76	9.57	11.19	12.79	13.27	14.39	17.57	20.74	23.91
2.000	56	5.614	112	11.229									9.99	10.49	11.63	14.85	18.05	21.23
2.027	37	3.709	75	7.519			6.66	8.61	9.90	10.70	11.49	13.09	14.68	15.16	16.26	19.43	22.60	25.76
2.029	35	3.509	71	7.118			7.18	9.11	10.40	11.19	11.99	13.58	15.17	15.64	16.75	19.92	23.08	26.24
2.030	33	3.308	67	6.717		6.06	7.69	9.61	10.89	11.69	12.48	14.07	15.65	16.13	17.24	20.40	23.56	26.72
2.032	31	3.108	63	6.316		6.58	8.19	10.11	11.39	12.18	12.97	14.55	16.14	16.62	17.72	20.88	24.04	27.20
2.038	26	2.607	53	5.314	6.23	7.84	9.43	11.34	12.61	13.40	14.18	15.77	17.35	17.82	18.93	22.08	25.24	28.39
2.045	22	2.206	45	4.511	7.23	8.82	10.41	12.31	13.58	14.36	15.15	16.73	18.31	18.78	19.89	23.04	26.19	29.35
2.051	39	3.910	80	8.020				8.00	9.30	10.11	10.91	12.51	14.10	14.58	15.69	18.86	22.03	25.19
2.069	29	2.907	60	6.015	5.37	6.99	8.60	10.52	11.79	12.58	13.37	14.96	16.54	17.02	18.12	21.28	24.44	27.59
2.074	27	2.707	56	5.614	5.88	7.50	9.10	11.01	12.28	13.07	13.86	15.44	17.02	17.50	18.60	21.76	24.92	28.07
2.083	36	3.609	75	7.519			6.72	8.68	9.97	10.77	11.56	13.16	14.75	15.23	16.34	19.51	22.67	25.83
2.088	34	3.409	71	7.118			7.24	9.18	10.47	11.26	12.06	13.65	15.24	15.72	16.82	19.99	23.15	26.31
2.090	67	6.717	140	14.036												11.46	14.74	17.97
2.094	32	3.208	67	6.717		6.13	7.76	9.69	10.96	11.76	12.55	14.14	15.73	16.20	17.31	20.47	23.63	26.79
2.100	30	3.008	63	6.316		6.65	8.26	10.18	11.46	12.25	13.04	14.63	16.21	16.69	17.80	20.96	24.12	27.27
2.105	38	3.810	80	8.020				8.07	9.37	10.18	10.98	12.58	14.17	14.65	15.76	18.94	22.10	25.27
2.113	53	5.314	112	11.229									10.20	10.69	11.83	15.06	18.26	21.45
2.120	25	2.506	53	5.314	6.30	7.91	9.50	11.41	12.68	13.47	14.26	15.84	17.42	17.90	19.00	22.16	25.31	28.47
2.143	28	2.807	60	6.015	5.43	7.06	8.67	10.59	11.86	12.65	13.45	15.03	16.61	17.09	18.20	21.36	24.51	27.67
2.143	35	3.509	75	7.519			6.79	8.75	10.04	10.84	11.64	13.23	14.82	15.30	16.41	19.58	22.75	25.91
2.143	42	4.211	90	9.023					8.15	8.97	9.78	11.40	13.00	13.49	14.60	17.79	20.96	24.13
2.152	33	3.308	71	7.118			7.31	9.25	10.54	11.34	12.13	13.72	15.31	15.79	16.90	20.07	23.23	26.39
2.154	26	2.607	56	5.614	5.95	7.57	9.17	11.08	12.35	13.14	13.93	15.52	17.10	17.57	18.68	21.84	24.99	28.15
2.161	31	3.108	67	6.717		6.19	7.82	9.76	11.04	11.83	12.62	14.21	15.80	16.28	17.38	20.55	23.71	26.87
2.162	37	3.709	80	8.020				8.14	9.44	10.25	11.05	12.65	14.24	14.73	15.84	19.01	22.18	25.34
2.172	29	2.907	63	6.316		6.71	8.33	10.25	11.53	12.32	13.12	14.70	16.29	16.76	17.87	21.03	24.19	27.35
2.182	22	2.206	48	4.812	6.97	8.56	10.15	12.06	13.32	14.11	14.90	16.48	18.06	18.54	19.64	22.80	25.95	29.10
2.195	41	4.110	90	9.023				6.88	8.22	9.03	9.85	11.47	13.07	13.56	14.67	17.86	21.04	24.21
2.206	34	3.409	75	7.519			6.86	8.82	10.11	10.91	11.71	13.30	14.90	15.37	16.48	19.65	22.82	25.98
2.219	32	3.208	71	7.118		5.73	7.38	9.32	10.61	11.41	12.20	13.80	15.39	15.86	16.97	20.14	23.30	26.46
2.222	27	2.707	60	6.015	5.50	7.13	8.74	10.66	11.93	12.73	13.52	15.10	16.69	17.17	18.27	21.43	24.59	27.75
2.222	36	3.609	80	8.020				8.21	9.51	10.31	11.12	12.72	14.32	14.80	15.91	19.08	22.25	25.42
2.222	63	6.316	140	14.036												11.72	15.01	18.25
2.233	30	3.008	67	6.717		6.26	7.89	9.83	11.11	11.90	12.70	14.29	15.87	16.35	17.46	20.62	23.78	26.94
2.240	25	2.506	56	5.614	6.02	7.64	9.24	11.15	12.43	13.22	14.01	15.59	17.17	17.65	18.75	21.91	25.07	28.22
2.240	50	5.013	112	11.229								8.73	10.40	10.89	12.03	15.27	18.48	21.67
2.250	28	2.807	63	6.316	5.13	6.78	8.40	10.33	11.60	12.40	13.19	14.78	16.36	16.84	17.94	21.11	24.27	27.42
2.250	40	4.010	90	9.023				6.95	8.28	9.10	9.92	11.54	13.14	13.63	14.75	17.93	21.11	24.28
2.250	80	8.020	180	18.046														
2.273	22	2.206	50	5.013	6.78	8.39	9.98	11.89	13.16	13.94	14.73	16.31	17.90	18.37	19.47	22.63	25.79	28.94
2.273	33	3.308	75	7.519			6.92	8.89	10.18	10.98	11.78	13.38	14.97	15.45	16.56	19.73	22.89	26.06
2.286	35	3.509	80	8.020			6.29	8.28	9.58	10.38	11.19	12.79	14.39	14.87	15.98	19.16	22.33	25.49
2.290	31	3.108	71	7.118		5.79	7.45	9.39	10.68	11.48	12.27	13.87	15.46	15.94	17.05	20.21	23.38	26.54
2.308	26	2.607	60	6.015	5.57	7.20	8.81	10.73	12.01	12.80	13.59	15.18	16.76	17.24	18.34	21.51	24.66	27.82
2.308	39	3.910	90	9.023				7.01	8.35	9.17	9.98	11.60	13.21	13.70	14.82	18.01	21.18	24.35
2.310	29	2.907	67	6.717		6.33	7.96	9.90	11.18	11.97	12.77	14.36	15.95	16.43	17.53	20.70	23.86	27.02
2.333	27	2.707	63	6.316	5.20	6.85	8.47	10.40	11.67	12.47	13.26	14.85	16.43	16.91	18.02	21.18	24.34	27.50
2.333	48	4.812	112	11.229								8.86	10.53	11.03	12.17	15.41	18.62	21.81
2.333	60	6.015	140	14.036												11.92	15.22	18.46
2.344	32	3.208	75	7.519			6.99	8.95	10.25	11.05	11.85	13.45	15.04	15.52	16.63	19.80	22.97	26.13
2.353	34	3.409	80	8.020			6.35	8.34	9.65	10.45	11.26	12.86	14.46	14.94	16.05	19.23	22.40	25.56
2.367	30	3.008	71	7.118		5.86	7.51	9.46	10.75	11.55	12.35	13.94	15.53	16.01	17.12	20.29	23.45	26.61
2.368	38	3.810	90	9.023				7.08	8.41	9.24	10.05	11.67	13.28	13.77	14.89	18.08	21.26	24.43
2.393	28	2.807	67	6.717		6.39	8.03	9.97	11.25	12.05	12.84	14.43	16.02	16.50	17.61	20.77	23.93	27.09
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

8M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches														
	Driver		Driven		1792-8MX	2000-8MX	2200-8MX	2240-8MX	2400-8MX	2520-8MX	2600-8MX	2800-8MX	2840-8MX	3048-8MX	3200-8MX	3280-8MX	3600-8MX	4000-8MX	4400-8MX	4480-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches															
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**
1.893	28	2.807	53	5.314	28.87	32.97	36.91	37.70	40.85	43.21	44.78	48.73	49.51	53.61	56.60	58.17	64.47	72.35	80.23	81.80
1.905	42	4.211	80	8.020	25.60	29.70	33.64	34.44	37.59	39.95	41.53	45.47	46.26	50.36	53.35	54.93	61.23	69.11	76.99	78.56
1.909	22	2.206	42	4.211	30.22	34.32	38.25	39.04	42.19	44.55	46.13	50.07	50.86	54.95	57.94	59.52	65.82	73.69	81.57	83.14
1.909	33	3.308	63	6.316	27.68	31.78	35.71	36.51	39.66	42.02	43.60	47.54	48.32	52.42	55.41	56.99	63.29	71.17	79.04	80.62
1.914	35	3.509	67	6.717	27.20	31.30	35.24	36.03	39.18	41.54	43.12	47.06	47.85	51.94	54.94	56.51	62.81	70.69	78.57	80.14
1.919	37	3.709	71	7.118	26.72	30.82	34.76	35.55	38.70	41.07	42.64	46.59	47.37	51.47	54.46	56.04	62.34	70.22	78.09	79.67
1.920	25	2.506	48	4.812	29.50	33.60	37.54	38.33	41.48	43.84	45.42	49.36	50.14	54.24	57.23	58.81	65.11	72.98	80.86	82.43
1.923	26	2.607	50	5.013	29.27	33.36	37.30	38.09	41.24	43.60	45.18	49.12	49.91	54.00	56.99	58.57	64.87	72.75	80.62	82.20
1.923	39	3.910	75	7.519	26.24	30.34	34.28	35.07	38.23	40.59	42.17	46.11	46.89	50.99	53.98	55.56	61.86	69.74	77.62	79.19
1.931	29	2.907	56	5.614	28.55	32.65	36.59	37.38	40.53	42.89	44.47	48.41	49.19	53.29	56.28	57.86	64.16	72.03	79.91	81.49
1.935	31	3.108	60	6.015	28.07	32.17	36.11	36.90	40.05	42.41	43.99	47.93	48.72	52.81	55.81	57.38	63.68	71.56	79.44	81.01
1.951	41	4.110	80	8.020	25.67	29.78	33.72	34.51	37.67	40.03	41.61	45.55	46.34	50.44	53.43	55.00	61.31	69.19	77.06	78.64
1.963	27	2.707	53	5.314	28.95	33.04	36.98	37.77	40.92	43.29	44.86	48.80	49.59	53.68	56.68	58.25	64.55	72.43	80.30	81.88
1.969	32	3.208	63	6.316	27.75	31.85	35.79	36.58	39.73	42.10	43.67	47.61	48.40	52.50	55.49	57.06	63.37	71.24	79.12	80.69
1.971	34	3.409	67	6.717	27.27	31.37	35.31	36.10	39.26	41.62	43.20	47.14	47.92	52.02	55.01	56.59	62.89	70.77	78.64	80.22
1.972	36	3.609	71	7.118	26.79	30.90	34.84	35.63	38.78	41.14	42.72	46.66	47.45	51.55	54.54	56.11	62.42	70.29	78.17	79.75
1.972	71	7.118	140	14.036	18.33	22.49	26.46	27.26	30.43	32.81	34.39	38.35	39.14	43.25	46.25	47.83	54.14	62.03	69.92	71.49
1.974	38	3.810	75	7.519	26.31	30.42	34.36	35.15	38.30	40.66	42.24	46.18	46.97	51.07	54.06	55.64	61.94	69.82	77.70	79.27
2.000	25	2.506	50	5.013	29.34	33.44	37.38	38.17	41.32	43.68	45.26	49.20	49.98	54.08	57.07	58.65	64.95	72.82	80.70	82.28
2.000	28	2.807	56	5.614	28.63	32.73	36.66	37.45	40.61	42.97	44.54	48.49	49.27	53.37	56.36	57.93	64.24	72.11	79.99	81.56
2.000	30	3.008	60	6.015	28.15	32.25	36.19	36.98	40.13	42.49	44.07	48.01	48.80	52.89	55.88	57.46	63.76	71.64	79.51	81.09
2.000	40	4.010	80	8.020	25.75	29.85	33.80	34.59	37.74	40.11	41.68	45.63	46.41	50.51	53.50	55.08	61.38	69.26	77.14	78.72
2.000	45	4.511	90	9.023	24.54	28.65	32.60	33.39	36.55	38.91	40.49	44.43	45.22	49.32	52.31	53.89	60.19	68.07	75.95	77.53
2.000	56	5.614	112	11.229	21.87	25.99	29.94	30.74	33.90	36.27	37.85	41.80	42.58	46.69	49.68	51.26	57.57	65.45	73.33	74.91
2.027	37	3.709	75	7.519	26.39	30.49	34.43	35.23	38.38	40.74	42.32	46.26	47.05	51.15	54.14	55.71	62.02	69.90	77.77	79.35
2.029	35	3.509	71	7.118	26.87	30.97	34.91	35.70	38.86	41.22	42.80	46.74	47.52	51.62	54.61	56.19	62.49	70.37	78.25	79.82
2.030	33	3.308	67	6.717	27.35	31.45	35.39	36.18	39.33	41.70	43.27	47.22	48.00	52.10	55.09	56.67	62.97	70.85	78.72	80.30
2.032	31	3.108	63	6.316	27.83	31.93	35.87	36.66	39.81	42.17	43.75	47.69	48.48	52.57	55.57	57.14	63.44	71.32	79.20	80.77
2.038	26	2.607	53	5.314	29.02	33.12	37.06	37.85	41.00	43.36	44.94	48.88	49.67	53.76	56.75	58.33	64.63	72.51	80.38	81.96
2.045	22	2.206	45	4.511	29.98	34.07	38.01	38.80	41.95	44.31	45.89	49.83	50.62	54.71	57.70	59.28	65.58	73.46	81.33	82.91
2.051	39	3.910	80	8.020	25.82	29.93	33.87	34.66	37.82	40.18	41.76	45.70	46.49	50.59	53.58	55.16	61.46	69.34	77.22	78.79
2.069	29	2.907	60	6.015	28.22	32.33	36.26	37.06	40.21	42.57	44.15	48.09	48.87	52.97	55.96	57.54	63.84	71.72	79.59	81.17
2.074	27	2.707	56	5.614	28.70	32.80	36.74	37.53	40.68	43.05	44.62	48.56	49.35	53.44	56.44	58.01	64.31	72.19	80.07	81.64
2.083	36	3.609	75	7.519	26.46	30.57	34.51	35.30	38.46	40.82	42.40	46.34	47.12	51.22	54.21	55.79	62.09	69.97	77.85	79.43
2.088	34	3.409	71	7.118	26.94	31.05	34.99	35.78	38.93	41.30	42.87	46.82	47.60	51.70	54.69	56.27	62.57	70.45	78.33	79.90
2.090	67	6.717	140	14.036	18.61	22.78	26.75	27.55	30.73	33.10	34.69	38.65	39.44	43.55	46.55	48.13	54.44	62.33	70.22	71.80
2.094	32	3.208	67	6.717	27.42	31.53	35.47	36.26	39.41	41.77	43.35	47.29	48.08	52.18	55.17	56.74	63.05	70.92	78.80	80.38
2.100	30	3.008	63	6.316	27.90	32.00	35.94	36.73	39.89	42.25	43.83	47.77	48.55	52.65	55.64	57.22	63.52	71.40	79.27	80.85
2.105	38	3.810	80	8.020	25.90	30.00	33.95	34.74	37.90	40.26	41.84	45.78	46.57	50.67	53.66	55.23	61.54	69.42	77.30	78.87
2.113	53	5.314	112	11.229	22.08	26.21	30.17	30.96	34.12	36.49	38.07	42.02	42.81	46.91	49.91	51.49	57.80	65.68	73.56	75.14
2.120	25	2.506	53	5.314	29.10	33.20	37.14	37.93	41.08	43.44	45.02	48.96	49.74	53.84	56.83	58.41	64.71	72.58	80.46	82.04
2.143	28	2.807	60	6.015	28.30	32.40	36.34	37.13	40.28	42.65	44.22	48.16	48.95	53.05	56.04	57.61	63.92	71.79	79.67	81.25
2.143	35	3.509	75	7.519	26.54	30.64	34.59	35.38	38.53	40.89	42.47	46.42	47.20	51.30	54.29	55.87	62.17	70.05	77.93	79.50
2.143	42	4.211	90	9.023	24.76	28.88	32.82	33.61	36.77	39.14	40.71	44.66	45.45	49.55	52.54	54.12	60.42	68.30	76.18	77.76
2.152	33	3.308	71	7.118	27.02	31.12	35.06	35.86	39.01	41.37	42.95	46.89	47.68	51.78	54.77	56.34	62.65	70.53	78.40	79.98
2.154	26	2.607	56	5.614	28.78	32.88	36.82	37.61	40.76	43.12	44.70	48.64	49.43	53.52	56.51	58.09	64.39	72.27	80.14	81.72
2.161	31	3.108	67	6.717	27.50	31.60	35.54	36.33	39.49	41.85	43.43	47.37	48.15	52.25	55.24	56.82	63.12	71.00	78.88	80.45
2.162	37	3.709	80	8.020	25.97	30.08	34.02	34.82	37.97	40.34	41.91	45.86	46.64	50.74	53.73	55.31	61.62	69.49	77.37	78.95
2.172	29	2.907	63	6.316	27.98	32.08	36.02	36.81	39.96	42.33	43.90	47.85	48.63	52.73	55.72	57.30	63.60	71.48	79.35	80.93
2.182	22	2.206	48	4.812	29.73	33.83	37.77	38.56	41.71	44.07	45.65	49.59	50.38	54.47	57.46	59.04	65.34	73.22	81.09	82.67
2.195	41	4.110	90	9.023	24.84	28.95	32.90	33.69	36.85	39.21	40.79	44.74	45.52	49.62	52.62	54.19	60.50	68.38	76.26	77.84
2.206	34	3.409	75	7.519	26.61	30.72	34.66	35.45	38.61	40.97	42.55	46.49	47.28	51.38	54.37	55.94	62.25	70.13	78.01	79.58
2.219	32	3.208	71	7.118	27.09	31.20	35.14	35.93	39.09	41.45	43.03	46.97	47.75	51.85	54.85	56.42	62.72	70.60	78.48	80.06
2.222	27	2.707	60	6.015	28.38	32.48	36.42	37.21	40.36	42.72	44.30	48.24	49.03	53.12	56.12	57.69	63.99	71.87	79.75	81.32
2.222	36	3.609	80	8.020	26.05	30.16	34.10	34.89	38.05	40.41	41.99	45.93	46.72	50.82	53.81	55.39	61.69	69.57	77.45	79.03
2.222	63	6.316	140	14.036	18.89	23.06	27.04	27.84	31.02	33.40	34.98	38.94	39.73	43.85	46.85	48.43	54.74	62.64	70.52	72.10
2.233	30	3.008	67	6.717	27.57	31.68	35.62	36.41	39.56	41.93	43.50	47.45	48.23	52.33	55.32	56.90	63.20	71.08	78.96	80.53
2.240	25	2.506	56	5.614	28.86	32.96	36.89	37.69	40.84	43.20	44.78	48.72	49.50	53.60	56.59	58.17	64.47	72.35	80.22	81.80
2.240	50	5.013	112	11.229	22.30	26.43	30.39	31.18	34.35	36.72	38.30	42.25	43.04	47.14	50.14	51.72	58.03	65.91	73.79	75.37
2.250	28	2.807	63	6.316	28.05	32.16	36.10	36.89	40.04	42.40	43.98	47.92	48.71	52.81	55.80	57.37	63.68	71.55	79.43	81.01
2.250	40	4.010	90	9.023	24.91	29.03	32.97	33.77	36.92	39.29	40.87	44.81	45.60	49.70	52.69	54.27	60.58	68.46	76.34	77.91
2.250	80	8.020	180	18.046	13.89	18.20	22.27	23.08	26.29	28.69	30.29	34.28	35.07	39.21	42.22	43.81	50.14	58.05	65.95	67.53
2.273	22	2.206	50	5.013	29.57	33.67	37.61	38.40	41.55	43.91	45.49	49.43	50.22	54.31	57.30	58.88	65.18	73.06	80.93	82.51
2.273	33	3.308	75	7.519	26.69	30.79	34.74	35.53	38.68	41.05	42.62	46.57	47.35	51.45	54.45	56.02	62.33	70.20	78.08	79.66
2.286	35	3.509	80	8.020	26.12	30.23	34.18	34.97	38.12	40.49	42.06	46.01	46.80	50.90	53.89	55.46	61.77	69.65	77.53	79.10
2.290	31	3.108	71	7.118	27.17	31.27	35.22	36.01	39.16	41.53	43.10	47.05	47.83	51.93	54.92	56.50	62.80	70.68	78.56	80.13
2.308	26	2.607	60	6.015	28.45	32.55	36.49	37.28	40.44	42.80	44.38	48.32	49.10	53.20	56.19	57.77	64.07	71.95	79.83	81.40
2.308	39	3.910	90	9.023	24.99	29.10	33.05	33.84	37.00	39.36	40.94	44.89	45.68	49.78	52.77	54.35	60.65	68.53	76.41	77.99
2.310	29	2.907	67	6.717	27.65	31.75	35.70	36.49	39.64	42.00	43.58	47.52	48.31	52.41	55.40	56.97	63.28	71.16	79.03	80.61
2.333	27	2.707	63	6.316	28.13	32.23	36.17	36.96	40.12	42.48	44.06	48.00	48.78	52.88	55.87	57.45	63.75	71.63	79.51	81.08
2.333	48	4.812	112	11.229	22.45	26.58	30.54	31.33	34.50	36.87	38.45	42.40	43.19	47.29	50.29	51.87	58.18	66.06	73.95	75.52
2.333	60	6.015	140	14.036	19.10	23.28	27.26	28.06	31.24	33.62	35.20	39.17	39.96	44.07	47.07	48.65	54.97	62.86	70.75	72.33
2.344	32	3.208	75	7.519	26.76	30.87	34.81	35.60	38.76	41.12	42.70	46.65	47.43	51.53	54.52	56.10	62.40	70.28	78.16	79.74
2.353	34	3.409	80	8.020	26.20	30.31	34.25	35.04	38.20	40.56	42.14	46.09	46.87	50.97	53.96	55.54	61.85	69.73	77.60	79.18
2.367	30	3.008	71	7.118	27.24	31.35	35.29	36.08	39.24	41.60	43.18	47.12	47.91	52.01	55.00	56.57	62.88	70.76	78.64	80.21
2.368	38	3.810	90	9.023	25.06	29.17	33.12	33.92	37.07	39.44	41.02	44.97	45.75	49.85	52.85	54.42	60.73	68.61	76.49	78.07
2.393	28	2.807	67	6.717	27.73	31.83	35.77	36.56	39.72	42.08	43.66	47.60	48.39	52.48	55.48	57.05	63.35	71.23	79.11	80.69
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

* The length correction factor must be used to determine the proper belt width.

DODGE

8M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		640-8MX	720-8MX	800-8MX	896-8MX	960-8MX	1000-8MX	1040-8MX	1120-8MX	1200-8MX	1224-8MX	1280-8MX	1440-8MX	1600-8MX	1760-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**
2.400	25	2.506	60	6.015	5.63	7.27	8.88	10.80	12.08	12.87	13.66	15.25	16.84	17.31	18.42	21.58	24.74	27.90
2.400	75	7.519	180	18.046														13.53
2.409	22	2.206	53	5.314	6.51	8.12	9.72	11.63	12.90	13.69	14.48	16.06	17.65	18.12	19.23	22.38	25.54	28.70
2.419	31	3.108	75	7.519			7.06	9.02	10.32	11.12	11.92	13.52	15.11	15.59	16.70	19.88	23.04	26.21
2.423	26	2.607	63	6.316	5.26	6.92	8.54	10.47	11.75	12.54	13.33	14.92	16.51	16.99	18.09	21.26	24.42	27.57
2.424	33	3.308	80	8.020			6.42	8.41	9.72	10.52	11.33	12.93	14.53	15.01	16.13	19.30	22.47	25.64
2.432	37	3.709	90	9.023				7.14	8.48	9.30	10.12	11.74	13.36	13.84	14.96	18.15	21.33	24.50
2.448	29	2.907	71	7.118		5.92	7.58	9.53	10.82	11.62	12.42	14.01	15.60	16.08	17.19	20.36	23.53	26.69
2.481	27	2.707	67	6.717		6.46	8.10	10.04	11.32	12.12	12.91	14.50	16.09	16.57	17.68	20.85	24.01	27.17
2.489	45	4.511	112	11.229								9.05	10.73	11.23	12.37	15.62	18.83	22.03
2.500	30	3.008	75	7.519			7.12	9.09	10.39	11.19	11.99	13.59	15.18	15.66	16.78	19.95	23.12	26.28
2.500	32	3.208	80	8.020			6.48	8.48	9.78	10.59	11.40	13.00	14.60	15.08	16.20	19.38	22.55	25.71
2.500	36	3.609	90	9.023				7.20	8.55	9.37	10.19	11.81	13.43	13.91	15.03	18.22	21.40	24.57
2.500	56	5.614	140	14.036												12.18	15.49	18.74
2.520	25	2.506	63	6.316	5.33	6.98	8.61	10.54	11.82	12.61	13.41	15.00	16.58	17.06	18.17	21.33	24.49	27.65
2.535	71	7.118	180	18.046														13.78
2.536	28	2.807	71	7.118		5.99	7.65	9.60	10.89	11.69	12.49	14.08	15.68	16.16	17.27	20.44	23.60	26.76
2.545	22	2.206	56	5.614	6.22	7.85	9.45	11.37	12.64	13.43	14.23	15.81	17.39	17.87	18.98	22.14	25.30	28.45
2.571	35	3.509	90	9.023				7.27	8.61	9.44	10.25	11.88	13.49	13.98	15.10	18.29	21.48	24.65
2.577	26	2.607	67	6.717		6.53	8.17	10.11	11.39	12.19	12.98	14.58	16.17	16.64	17.75	20.92	24.08	27.24
2.581	31	3.108	80	8.020			6.54	8.54	9.85	10.66	11.47	13.07	14.67	15.16	16.27	19.45	22.62	25.79
2.586	29	2.907	75	7.519			7.19	9.16	10.46	11.26	12.06	13.66	15.26	15.74	16.85	20.02	23.19	26.36
2.630	27	2.707	71	7.118		6.05	7.72	9.67	10.96	11.76	12.56	14.16	15.75	16.23	17.34	20.51	23.68	26.84
2.642	53	5.314	140	14.036												12.37	15.69	18.94
2.647	34	3.409	90	9.023				7.33	8.68	9.50	10.32	11.95	13.56	14.05	15.17	18.37	21.55	24.72
2.667	30	3.008	80	8.020			6.61	8.61	9.92	10.73	11.54	13.14	14.75	15.23	16.34	19.52	22.70	25.86
2.667	42	4.211	112	11.229								9.24	10.92	11.43	12.58	15.83	19.04	22.24
2.679	28	2.807	75	7.519			7.25	9.23	10.53	11.33	12.13	13.73	15.33	15.81	16.92	20.10	23.27	26.43
2.680	25	2.506	67	6.717		6.59	8.24	10.18	11.46	12.26	13.06	14.65	16.24	16.72	17.83	21.00	24.16	27.32
2.687	67	6.717	180	18.046														14.04
2.727	22	2.206	60	6.015	5.83	7.47	9.09	11.02	12.30	13.09	13.88	15.47	17.06	17.53	18.64	21.81	24.97	28.12
2.727	33	3.308	90	9.023				7.40	8.74	9.57	10.39	12.02	13.63	14.12	15.24	18.44	21.62	24.80
2.731	26	2.607	71	7.118		6.12	7.78	9.74	11.03	11.83	12.63	14.23	15.82	16.30	17.41	20.58	23.75	26.91
2.732	41	4.110	112	11.229								9.31	10.99	11.49	12.64	15.90	19.12	22.31
2.759	29	2.907	80	8.020			6.67	8.68	9.99	10.80	11.61	13.21	14.82	15.30	16.41	19.60	22.77	25.94
2.778	27	2.707	75	7.519		5.62	7.32	9.30	10.59	11.40	12.20	13.80	15.40	15.88	16.99	20.17	23.34	26.50
2.800	40	4.010	112	11.229								9.37	11.06	11.56	12.71	15.97	19.19	22.38
2.800	50	5.013	140	14.036												12.56	15.89	19.15
2.800	80	8.020	224	22.457														
2.813	32	3.208	90	9.023				7.46	8.81	9.64	10.46	12.09	13.70	14.19	15.31	18.51	21.69	24.87
2.840	25	2.506	71	7.118		6.18	7.85	9.81	11.10	11.90	12.70	14.30	15.89	16.37	17.48	20.66	23.82	26.99
2.857	28	2.807	80	8.020			6.74	8.75	10.06	10.87	11.67	13.28	14.89	15.37	16.49	19.67	22.84	26.01
2.857	63	6.316	180	18.046														14.29
2.864	22	2.206	63	6.316	5.52	7.19	8.82	10.75	12.03	12.83	13.62	15.21	16.80	17.28	18.39	21.55	24.72	27.88
2.872	39	3.910	112	11.229								9.44	11.12	11.62	12.78	16.04	19.26	22.46
2.885	26	2.607	75	7.519		5.68	7.38	9.36	10.66	11.47	12.27	13.87	15.47	15.95	17.07	20.24	23.41	26.58
2.903	31	3.108	90	9.023				7.52	8.87	9.70	10.52	12.16	13.77	14.26	15.38	18.58	21.77	24.94
2.917	48	4.812	140	14.036												12.69	16.02	19.29
2.947	38	3.810	112	11.229								9.50	11.19	11.69	12.84	16.10	19.33	22.53
2.963	27	2.707	80	8.020			6.80	8.81	10.12	10.94	11.74	13.35	14.96	15.44	16.56	19.74	22.92	26.08
2.987	75	7.519	224	22.457														
3.000	25	2.506	75	7.519		5.75	7.45	9.43	10.73	11.54	12.34	13.95	15.54	16.02	17.14	20.32	23.49	26.65
3.000	30	3.008	90	9.023				7.59	8.94	9.77	10.59	12.22	13.84	14.33	15.45	18.65	21.84	25.01
3.000	60	6.015	180	18.046														14.48
3.027	37	3.709	112	11.229							7.81	9.56	11.25	11.76	12.91	16.17	19.40	22.60
3.045	22	2.206	67	6.717	5.08	6.79	8.44	10.39	11.67	12.47	13.27	14.87	16.46	16.94	18.05	21.22	24.38	27.54
3.077	26	2.607	80	8.020			6.86	8.88	10.19	11.00	11.81	13.42	15.03	15.51	16.63	19.81	22.99	26.16
3.103	29	2.907	90	9.023				7.65	9.01	9.84	10.66	12.29	13.91	14.40	15.52	18.72	21.91	25.09
3.111	36	3.609	112	11.229							7.88	9.63	11.32	11.82	12.98	16.24	19.47	22.67
3.111	45	4.511	140	14.036												12.89	16.22	19.49
3.155	71	7.118	224	22.457														
3.200	25	2.506	80	8.020			6.93	8.94	10.26	11.07	11.88	13.50	15.10	15.58	16.70	19.89	23.06	26.23
3.200	35	3.509	112	11.229							7.94	9.69	11.38	11.89	13.04	16.31	19.54	22.74
3.214	28	2.807	90	9.023				7.71	9.07	9.90	10.73	12.36	13.98	14.47	15.59	18.80	21.98	25.16
3.214	56	5.614	180	18.046														14.73
3.227	22	2.206	71	7.118		6.37	8.05	10.01	11.31	12.11	12.91	14.51	16.11	16.59	17.70	20.88	24.05	27.21
3.294	34	3.409	112	11.229							8.00	9.75	11.45	11.95	13.11	16.38	19.61	22.81
3.333	27	2.707	90	9.023				7.78	9.14	9.97	10.79	12.43	14.05	14.54	15.66	18.87	22.06	25.23
3.333	42	4.211	140	14.036											9.57	13.08	16.42	19.70
3.343	67	6.717	224	22.457														
3.394	33	3.308	112	11.229							8.06	9.82	11.51	12.02	13.18	16.45	19.68	22.88
3.396	53	5.314	180	18.046														14.92
3.409	22	2.206	75	7.519		5.93	7.65	9.63	10.94	11.75	12.55	14.16	15.76	16.24	17.35	20.53	23.71	26.88
3.415	41	4.110	140	14.036											9.63	13.14	16.49	19.77
3.462	26	2.607	90	9.023				7.84	9.20	10.03	10.86	12.50	14.12	14.61	15.73	18.94	22.13	25.31
3.500	32	3.208	112	11.229							8.12	9.88	11.58	12.08	13.24	16.52	19.75	22.95
3.500	40	4.010	140	14.036											9.69	13.21	16.56	19.83
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

8M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches														
	Driver		Driven		1792-8MX	2000-8MX	2200-8MX	2240-8MX	2400-8MX	2520-8MX	2600-8MX	2800-8MX	2840-8MX	3048-8MX	3200-8MX	3280-8MX	3600-8MX	4000-8MX	4400-8MX	4480-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches															
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**
2.400	25	2.506	60	6.015	28.53	32.63	36.57	37.36	40.51	42.88	44.45	48.40	49.18	53.28	56.27	57.85	64.15	72.03	79.90	81.48
2.400	75	7.519	180	18.046	14.21	18.54	22.61	23.42	26.64	29.05	30.65	34.64	35.43	39.57	42.59	44.17	50.51	58.42	66.33	67.91
2.409	22	2.206	53	5.314	29.33	33.43	37.37	38.16	41.31	43.67	45.25	49.19	49.97	54.07	57.06	58.64	64.94	72.82	80.69	82.27
2.419	31	3.108	75	7.519	26.84	30.94	34.89	35.68	38.84	41.20	42.78	46.72	47.51	51.61	54.60	56.18	62.48	70.36	78.24	79.81
2.423	26	2.607	63	6.316	28.21	32.31	36.25	37.04	40.19	42.56	44.13	48.08	48.86	52.96	55.95	57.53	63.83	71.71	79.59	81.16
2.424	33	3.308	80	8.020	26.27	30.38	34.33	35.12	38.28	40.64	42.22	46.16	46.95	51.05	54.04	55.62	61.92	69.80	77.68	79.26
2.432	37	3.709	90	9.023	25.13	29.25	33.20	33.99	37.15	39.52	41.09	45.04	45.83	49.93	52.92	54.50	60.81	68.69	76.57	78.15
2.448	29	2.907	71	7.118	27.32	31.43	35.37	36.16	39.32	41.68	43.26	47.20	47.99	52.08	55.08	56.65	62.96	70.84	78.71	80.29
2.481	27	2.707	67	6.717	27.80	31.91	35.85	36.64	39.79	42.16	43.73	47.68	48.46	52.56	55.55	57.13	63.43	71.31	79.19	80.76
2.489	45	4.511	112	11.229	22.66	26.80	30.76	31.55	34.72	37.09	38.67	42.63	43.41	47.52	50.52	52.09	58.41	66.29	74.18	75.75
2.500	30	3.008	75	7.519	26.91	31.02	34.96	35.76	38.91	41.28	42.85	46.80	47.58	51.68	54.68	56.25	62.56	70.44	78.31	79.89
2.500	32	3.208	80	8.020	26.35	30.46	34.40	35.19	38.35	40.72	42.29	46.24	47.02	51.12	54.12	55.69	62.00	69.88	77.76	79.34
2.500	36	3.609	90	9.023	25.21	29.32	33.27	34.07	37.23	39.59	41.17	45.12	45.90	50.01	53.00	54.58	60.88	68.77	76.65	78.22
2.500	56	5.614	140	14.036	19.38	23.56	27.55	28.35	31.53	33.91	35.50	39.46	40.25	44.37	47.37	48.95	55.27	63.17	71.06	72.63
2.520	25	2.506	63	6.316	28.28	32.39	36.33	37.12	40.27	42.63	44.21	48.15	48.94	53.04	56.03	57.60	63.91	71.79	79.66	81.24
2.535	71	7.118	180	18.046	14.47	18.81	22.89	23.70	26.92	29.33	30.93	34.93	35.72	39.86	42.88	44.47	50.81	58.72	66.63	68.21
2.536	28	2.807	71	7.118	27.40	31.50	35.44	36.24	39.39	41.75	43.33	47.28	48.06	52.16	55.15	56.73	63.03	70.91	78.79	80.37
2.545	22	2.206	56	5.614	29.08	33.18	37.12	37.91	41.07	43.43	45.01	48.95	49.73	53.83	56.82	58.40	64.70	72.58	80.46	82.03
2.571	35	3.509	90	9.023	25.28	29.40	33.35	34.14	37.30	39.67	41.25	45.19	45.98	50.08	53.08	54.65	60.96	68.84	76.72	78.30
2.577	26	2.607	67	6.717	27.88	31.98	35.92	36.71	39.87	42.23	43.81	47.75	48.54	52.64	55.63	57.21	63.51	71.39	79.27	80.84
2.581	31	3.108	80	8.020	26.42	30.53	34.48	35.27	38.43	40.79	42.37	46.31	47.10	51.20	54.19	55.77	62.08	69.96	77.84	79.41
2.586	29	2.907	75	7.519	26.99	31.10	35.04	35.83	38.99	41.35	42.93	46.87	47.66	51.76	54.75	56.33	62.63	70.51	78.39	79.97
2.630	27	2.707	71	7.118	27.47	31.58	35.52	36.31	39.47	41.83	43.41	47.35	48.14	52.24	55.23	56.81	63.11	70.99	78.87	80.44
2.642	53	5.314	140	14.036	19.59	23.77	27.76	28.56	31.75	34.13	35.72	39.68	40.47	44.59	47.59	49.17	55.50	63.39	71.28	72.86
2.647	34	3.409	90	9.023	25.36	29.47	33.42	34.22	37.38	39.74	41.32	45.27	46.06	50.16	53.15	54.73	61.04	68.92	76.80	78.38
2.667	30	3.008	80	8.020	26.50	30.61	34.55	35.34	38.50	40.87	42.44	46.39	47.18	51.28	54.27	55.85	62.15	70.03	77.91	79.49
2.667	42	4.211	112	11.229	22.88	27.02	30.98	31.77	34.94	37.31	38.90	42.85	43.64	47.74	50.74	52.32	58.63	66.52	74.41	75.98
2.679	28	2.807	75	7.519	27.06	31.17	35.12	35.91	39.06	41.43	43.01	46.95	47.74	51.84	54.83	56.41	62.71	70.59	78.47	80.05
2.680	25	2.506	67	6.717	27.95	32.06	36.00	36.79	39.95	42.31	43.89	47.83	48.62	52.71	55.71	57.28	63.59	71.47	79.34	80.92
2.687	67	6.717	180	18.046	14.72	19.07	23.16	23.97	27.20	29.61	31.22	35.21	36.01	40.15	43.17	44.76	51.10	59.02	66.93	68.51
2.727	22	2.206	60	6.015	28.76	32.86	36.80	37.59	40.74	43.11	44.68	48.63	49.41	53.51	56.50	58.08	64.38	72.26	80.14	81.71
2.727	33	3.308	90	9.023	25.43	29.55	33.50	34.29	37.45	39.82	41.40	45.35	46.13	50.23	53.23	54.81	61.11	69.00	76.88	78.45
2.731	26	2.607	71	7.118	27.54	31.65	35.60	36.39	39.54	41.91	43.48	47.43	48.21	52.31	55.31	56.88	63.19	71.07	78.94	80.52
2.732	41	4.110	112	11.229	22.95	27.09	31.05	31.85	35.02	37.39	38.97	42.93	43.71	47.82	50.82	52.40	58.71	66.60	74.48	76.06
2.759	29	2.907	80	8.020	26.57	30.68	34.63	35.42	38.58	40.94	42.52	46.47	47.25	51.35	54.35	55.92	62.23	70.11	77.99	79.57
2.778	27	2.707	75	7.519	27.14	31.25	35.19	35.98	39.14	41.50	43.08	47.03	47.81	51.91	54.91	56.48	62.79	70.67	78.55	80.12
2.800	40	4.010	112	11.229	23.02	27.16	31.13	31.92	35.09	37.46	39.04	43.00	43.79	47.90	50.89	52.47	58.79	66.67	74.56	76.14
2.800	50	5.013	140	14.036	19.80	23.98	27.98	28.78	31.97	34.35	35.94	39.90	40.69	44.81	47.82	49.40	55.72	63.62	71.51	73.09
2.800	80	8.020	224	22.457			17.89	18.75	22.12	24.60	26.24	30.32	31.13	35.32	38.37	39.97	46.37	54.32	62.26	63.84
2.813	32	3.208	90	9.023	25.50	29.62	33.57	34.37	37.53	39.89	41.47	45.42	46.21	50.31	53.30	54.88	61.19	69.07	76.95	78.53
2.840	25	2.506	71	7.118	27.62	31.73	35.67	36.46	39.62	41.98	43.56	47.51	48.29	52.39	55.38	56.96	63.26	71.14	79.02	80.60
2.857	28	2.807	80	8.020	26.64	30.76	34.70	35.50	38.65	41.02	42.60	46.54	47.33	51.43	54.42	56.00	62.31	70.19	78.07	79.64
2.857	63	6.316	180	18.046	14.98	19.34	23.43	24.25	27.48	29.89	31.50	35.50	36.30	40.44	43.46	45.05	51.40	59.32	67.23	68.81
2.864	22	2.206	63	6.316	28.51	32.61	36.55	37.35	40.50	42.86	44.44	48.38	49.17	53.27	56.26	57.84	64.14	72.02	79.90	81.47
2.872	39	3.910	112	11.229	23.09	27.23	31.20	32.00	35.16	37.54	39.12	43.07	43.86	47.97	50.97	52.55	58.86	66.75	74.64	76.21
2.885	26	2.607	75	7.519	27.21	31.32	35.27	36.06	39.22	41.58	43.16	47.10	47.89	51.99	54.98	56.56	62.86	70.74	78.62	80.20
2.903	31	3.108	90	9.023	25.58	29.69	33.65	34.44	37.60	39.97	41.55	45.50	46.28	50.39	53.38	54.96	61.27	69.15	77.03	78.61
2.917	48	4.812	140	14.036	19.94	24.12	28.12	28.92	32.11	34.49	36.08	40.05	40.84	44.96	47.96	49.55	55.87	63.77	71.66	73.24
2.947	38	3.810	112	11.229	23.17	27.31	31.27	32.07	35.24	37.61	39.19	43.15	43.94	48.05	51.04	52.62	58.94	66.83	74.71	76.29
2.963	27	2.707	80	8.020	26.72	30.83	34.78	35.57	38.73	41.09	42.67	46.62	47.41	51.51	54.50	56.08	62.38	70.26	78.14	79.72
2.987	75	7.519	224	22.457			18.21	19.07	22.45	24.93	26.58	30.66	31.47	35.67	38.72	40.33	46.72	54.69	62.63	64.21
3.000	25	2.506	75	7.519	27.29	31.40	35.34	36.13	39.29	41.66	43.23	47.18	47.97	52.07	55.06	56.64	62.94	70.82	78.70	80.28
3.000	30	3.008	90	9.023	25.65	29.77	33.72	34.51	37.68	40.04	41.62	45.57	46.36	50.46	53.46	55.03	61.34	69.23	77.11	78.68
3.000	60	6.015	180	18.046	15.17	19.54	23.64	24.45	27.69	30.10	31.71	35.71	36.51	40.66	43.68	45.27	51.62	59.54	67.45	69.03
3.027	37	3.709	112	11.229	23.24	27.38	31.35	32.14	35.31	37.68	39.27	43.22	44.01	48.12	51.12	52.70	59.01	66.90	74.79	76.37
3.045	22	2.206	67	6.717	28.18	32.28	36.23	37.02	40.17	42.54	44.11	48.06	48.84	52.94	55.94	57.51	63.82	71.70	79.57	81.15
3.077	26	2.607	80	8.020	26.79	30.90	34.85	35.65	38.80	41.17	42.75	46.70	47.48	51.58	54.58	56.15	62.46	70.34	78.22	79.80
3.103	29	2.907	90	9.023	25.72	29.84	33.80	34.59	37.75	40.12	41.70	45.65	46.43	50.54	53.53	55.11	61.42	69.30	77.18	78.76
3.111	36	3.609	112	11.229	23.31	27.45	31.42	32.22	35.39	37.76	39.34	43.30	44.09	48.20	51.19	52.77	59.09	66.98	74.86	76.44
3.111	45	4.511	140	14.036	20.14	24.34	28.34	29.14	32.33	34.71	36.30	40.27	41.06	45.18	48.19	49.77	56.10	64.00	71.89	73.47
3.155	71	7.118	224	22.457			18.46	19.32	22.71	25.20	26.85	30.94	31.75	35.95	39.01	40.61	47.01	54.98	62.92	64.51
3.200	25	2.506	80	8.020	26.87	30.98	34.93	35.72	38.88	41.25	42.82	46.77	47.56	51.66	54.65	56.23	62.54	70.42	78.30	79.88
3.200	35	3.509	112	11.229	23.38	27.52	31.49	32.29	35.46	37.83	39.42	43.37	44.16	48.27	51.27	52.85	59.16	67.05	74.94	76.52
3.214	28	2.807	90	9.023	25.80	29.92	33.87	34.66	37.83	40.19	41.77	45.72	46.51	50.61	53.61	55.19	61.50	69.38	77.26	78.84
3.214	56	5.614	180	18.046	15.42	19.80	23.91	24.73	27.97	30.38	31.99	36.00	36.80	40.94	43.97	45.56	51.91	59.83	67.75	69.33
3.227	22	2.206	71	7.118	27.84	31.95	35.90	36.69	39.85	42.21	43.79	47.73	48.52	52.62	55.61	57.19	63.49	71.37	79.25	80.83
3.294	34	3.409	112	11.229	23.45	27.60	31.57	32.36	35.53	37.91	39.49	43.45	44.24	48.35	51.34	52.92	59.24	67.13	75.02	76.59
3.333	27	2.707	90	9.023	25.87	29.99	33.95	34.74	37.90	40.27	41.85	45.80	46.59	50.69	53.68	55.26	61.57	69.46	77.34	78.91
3.333	42	4.211	140	14.036	20.35	24.55	28.55	29.35	32.54	34.93	36.52	40.49	41.28	45.40	48.41	49.99	56.32	64.22	72.12	73.70
3.343	67	6.717	224	22.457			18.71	19.58	22.97	25.47	27.12	31.21	32.02	36.23	39.29	40.89	47.30	55.27	63.21	64.80
3.394	33	3.308	112	11.229	23.52	27.67	31.64	32.44	35.61	37.98	39.56	43.52	44.31	48.42	51.42	53.00	59.32	67.21	75.09	76.67
3.396	53	5.314	180	18.046	15.61	20.00	24.11	24.93	28.18	30.59	32.20	36.21	37.01	41.16	44.18	45.77	52.13	60.06	67.97	69.55
3.409	22	2.206	75	7.519	27.51	31.62	35.57	36.36	39.52	41.88	43.46	47.41	48.19	52.29	55.29	56.86	63.17	71.05	78.93	80.51
3.415	41	4.110	140	14.036	20.42	24.62	28.62	29.42	32.61	35.00	36.59	40.56	41.36	45.48	48.48	50.07	56.39	64.30	72.19	73.77
3.462	26	2.607	90	9.023	25.94	30.06	34.02	34.81	37.98	40.34	41.92	45.87	46.66	50.76	53.76	55.34	61.65	69.53	77.41	78.99
3.500	32	3.208	112	11.229	23.59	27.74	31.71	32.51	35.68	38.05	39.64	43.60	44.38	48.50	51.49	53.07	59.39	67.28	75.17	76.75
3.500	40	4.010	140	14.036	20.49	24.69	28.69	29.49	32.69	35.07	36.66	40.64	41.43	45.55	48.56	50.14	56.47	64.37	72.27	73.85
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

* The length correction factor must be used to determine the proper belt width.

DODGE

8M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches												
	Driver		Driven		640-8MX	720-8MX	800-8MX	896-8MX	960-8MX	1000-8MX	1040-8MX	1120-8MX	1200-8MX	1224-8MX	1280-8MX	1440-8MX	1600-8MX	1760-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**
3.556	63	6.316	224	22.457														
3.590	39	3.910	140	14.036											9.75	13.27	16.62	19.90
3.600	25	2.506	90	9.023				7.90	9.27	10.10	10.93	12.57	14.19	14.68	15.80	19.01	22.20	25.38
3.600	50	5.013	180	18.046														15.11
3.613	31	3.108	112	11.229							8.18	9.94	11.64	12.15	13.31	16.59	19.82	23.03
3.636	22	2.206	80	8.020			7.12	9.14	10.46	11.28	12.09	13.70	15.31	15.80	16.91	20.10	23.28	26.45
3.684	38	3.810	140	14.036											9.81	13.34	16.69	19.97
3.733	30	3.008	112	11.229							8.24	10.01	11.71	12.21	13.38	16.65	19.89	23.10
3.733	60	6.015	224	22.457														
3.750	48	4.812	180	18.046														15.23
3.784	37	3.709	140	14.036											9.87	13.40	16.76	20.04
3.862	29	2.907	112	11.229						7.37	8.30	10.07	11.77	12.28	13.44	16.72	19.96	23.17
3.889	36	3.609	140	14.036											9.93	13.46	16.82	20.11
4.000	28	2.807	112	11.229						7.43	8.36	10.13	11.84	12.35	13.51	16.79	20.03	23.24
4.000	35	3.509	140	14.036											9.99	13.53	16.89	20.17
4.000	45	4.511	180	18.046													11.77	15.42
4.000	56	5.614	224	22.457														
4.091	22	2.206	90	9.023			5.92	8.09	9.46	10.30	11.12	12.77	14.40	14.88	16.01	19.22	22.42	25.60
4.118	34	3.409	140	14.036											10.05	13.59	16.95	20.24
4.148	27	2.707	112	11.229						7.49	8.42	10.20	11.90	12.41	13.58	16.86	20.10	23.31
4.226	53	5.314	224	22.457														
4.242	33	3.308	140	14.036											10.11	13.66	17.02	20.31
4.286	42	4.211	180	18.046													11.95	15.60
4.308	26	2.607	112	11.229						7.55	8.48	10.26	11.97	12.48	13.64	16.93	20.17	23.38
4.375	32	3.208	140	14.036											10.17	13.72	17.09	20.38
4.390	41	4.110	180	18.046													12.01	15.67
4.480	25	2.506	112	11.229						7.61	8.54	10.32	12.03	12.54	13.71	16.99	20.24	23.45
4.480	50	5.013	224	22.457														
4.500	40	4.010	180	18.046													12.07	15.73
4.516	31	3.108	140	14.036										8.89	10.23	13.78	17.15	20.45
4.615	39	3.910	180	18.046													12.13	15.79
4.667	30	3.008	140	14.036										8.95	10.29	13.85	17.22	20.51
4.667	48	4.812	224	22.457														
4.737	38	3.810	180	18.046													12.18	15.85
4.828	29	2.907	140	14.036										9.01	10.35	13.91	17.28	20.58
4.865	37	3.709	180	18.046													12.24	15.92
4.978	45	4.511	224	22.457														
5.000	28	2.807	140	14.036										9.06	10.41	13.97	17.35	20.65
5.000	36	3.609	180	18.046													12.30	15.98
5.091	22	2.206	112	11.229						7.78	8.72	10.51	12.23	12.74	13.90	17.20	20.44	23.66
5.143	35	3.509	180	18.046													12.36	16.04
5.185	27	2.707	140	14.036										9.12	10.47	14.04	17.42	20.72
5.294	34	3.409	180	18.046													12.42	16.10
5.333	42	4.211	224	22.457														
5.385	26	2.607	140	14.036										9.18	10.53	14.10	17.48	20.78
5.455	33	3.308	180	18.046													12.48	16.16
5.463	41	4.110	224	22.457														
5.600	25	2.506	140	14.036									8.61	9.24	10.59	14.16	17.55	20.85
5.600	40	4.010	224	22.457														
5.625	32	3.208	180	18.046													12.53	16.22
5.744	39	3.910	224	22.457														
5.806	31	3.108	180	18.046													12.59	16.29
5.895	38	3.810	224	22.457														
6.000	30	3.008	180	18.046													12.65	16.35
6.054	37	3.709	224	22.457														
6.207	29	2.907	180	18.046													12.71	16.41
6.222	36	3.609	224	22.457														
6.364	22	2.206	140	14.036									8.78	9.41	10.77	14.35	17.74	21.05
6.400	35	3.509	224	22.457														
6.429	28	2.807	180	18.046													12.77	16.47
6.588	34	3.409	224	22.457														
6.667	27	2.707	180	18.046													12.83	16.53
6.788	33	3.308	224	22.457														
6.923	26	2.607	180	18.046													12.88	16.59
7.000	32	3.208	224	22.457														
7.200	25	2.506	180	18.046													12.94	16.66
7.226	31	3.108	224	22.457														
7.467	30	3.008	224	22.457														
7.724	29	2.907	224	22.457														
8.000	28	2.807	224	22.457														
8.182	22	2.206	180	18.046													13.12	16.84
8.296	27	2.707	224	22.457														
8.615	26	2.607	224	22.457														
8.960	25	2.506	224	22.457														
10.182	22	2.206	224	22.457														
Length Factor*					**0.79**	**0.83**	**0.87**	**0.91**	**0.94**	**0.96**	**0.97**	**1.00**	**1.03**	**1.03**	**1.05**	**1.10**	**1.14**	**1.17**

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

8M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches														
	Driver		Driven		1792-8MX	2000-8MX	2200-8MX	2240-8MX	2400-8MX	2520-8MX	2600-8MX	2800-8MX	2840-8MX	3048-8MX	3200-8MX	3280-8MX	3600-8MX	4000-8MX	4400-8MX	4480-8MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches															
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**
3.556	63	6.316	224	22.457			18.96	19.83	23.23	25.73	27.38	31.48	32.29	36.51	39.57	41.17	47.58	55.55	63.50	65.09
3.590	39	3.910	140	14.036	20.55	24.76	28.76	29.57	32.76	35.14	36.74	40.71	41.50	45.62	48.63	50.21	56.54	64.45	72.34	73.92
3.600	25	2.506	90	9.023	26.02	30.14	34.09	34.89	38.05	40.42	42.00	45.95	46.74	50.84	53.84	55.41	61.72	69.61	77.49	79.07
3.600	50	5.013	180	18.046	15.80	20.20	24.32	25.13	28.38	30.80	32.41	36.43	37.22	41.38	44.40	45.99	52.35	60.28	68.19	69.77
3.613	31	3.108	112	11.229	23.67	27.81	31.79	32.58	35.75	38.13	39.71	43.67	44.46	48.57	51.57	53.15	59.47	67.36	75.25	76.82
3.636	22	2.206	80	8.020	27.09	31.20	35.15	35.95	39.11	41.47	43.05	47.00	47.79	51.89	54.88	56.46	62.77	70.65	78.53	80.11
3.684	38	3.810	140	14.036	20.62	24.83	28.83	29.64	32.83	35.22	36.81	40.78	41.57	45.70	48.71	50.29	56.62	64.52	72.42	74.00
3.733	30	3.008	112	11.229	23.74	27.88	31.86	32.65	35.83	38.20	39.79	43.75	44.53	48.64	51.64	53.22	59.54	67.43	75.32	76.90
3.733	60	6.015	224	22.457		14.63	19.15	20.02	23.43	25.93	27.58	31.69	32.50	36.71	39.78	41.38	47.79	55.77	63.72	65.31
3.750	48	4.812	180	18.046	15.93	20.33	24.45	25.27	28.52	30.94	32.55	36.57	37.36	41.52	44.55	46.14	52.49	60.42	68.34	69.92
3.784	37	3.709	140	14.036	20.69	24.90	28.91	29.71	32.90	35.29	36.88	40.86	41.65	45.77	48.78	50.36	56.69	64.60	72.49	74.07
3.862	29	2.907	112	11.229	23.81	27.96	31.93	32.73	35.90	38.28	39.86	43.82	44.61	48.72	51.72	53.30	59.62	67.51	75.40	76.98
3.889	36	3.609	140	14.036	20.76	24.97	28.98	29.78	32.97	35.36	36.95	40.93	41.72	45.84	48.85	50.44	56.77	64.67	72.57	74.15
4.000	28	2.807	112	11.229	23.88	28.03	32.00	32.80	35.97	38.35	39.93	43.89	44.68	48.79	51.79	53.37	59.69	67.58	75.47	77.05
4.000	35	3.509	140	14.036	20.83	25.03	29.05	29.85	33.05	35.43	37.03	41.00	41.79	45.92	48.93	50.51	56.84	64.75	72.64	74.22
4.000	45	4.511	180	18.046	16.12	20.53	24.65	25.47	28.73	31.15	32.76	36.78	37.58	41.73	44.76	46.35	52.71	60.65	68.56	70.15
4.000	56	5.614	224	22.457		14.87	19.40	20.27	23.68	26.19	27.85	31.96	32.77	36.99	40.05	41.66	48.08	56.06	64.01	65.60
4.091	22	2.206	90	9.023	26.23	30.36	34.32	35.11	38.27	40.64	42.22	46.17	46.96	51.07	54.06	55.64	61.95	69.84	77.72	79.30
4.118	34	3.409	140	14.036	20.89	25.10	29.12	29.92	33.12	35.51	37.10	41.07	41.87	45.99	49.00	50.58	56.92	64.82	72.72	74.30
4.148	27	2.707	112	11.229	23.95	28.10	32.08	32.87	36.05	38.42	40.01	43.97	44.76	48.87	51.87	53.45	59.77	67.66	75.55	77.13
4.226	53	5.314	224	22.457		15.04	19.59	20.46	23.88	26.39	28.05	32.16	32.97	37.20	40.26	41.87	48.29	56.27	64.23	65.82
4.242	33	3.308	140	14.036	20.96	25.17	29.19	29.99	33.19	35.58	37.17	41.15	41.94	46.07	49.07	50.66	56.99	64.90	72.80	74.37
4.286	42	4.211	180	18.046	16.30	20.72	24.86	25.68	28.93	31.36	32.97	36.99	37.79	41.95	44.98	46.57	52.93	60.87	68.79	70.37
4.308	26	2.607	112	11.229	24.02	28.17	32.15	32.95	36.12	38.50	40.08	44.04	44.83	48.94	51.94	53.52	59.84	67.74	75.63	77.20
4.375	32	3.208	140	14.036	21.03	25.24	29.26	30.06	33.26	35.65	37.24	41.22	42.01	46.14	49.15	50.73	57.06	64.97	72.87	74.45
4.390	41	4.110	180	18.046	16.37	20.79	24.92	25.74	29.00	31.43	33.04	37.06	37.86	42.02	45.05	46.64	53.01	60.94	68.86	70.44
4.480	25	2.506	112	11.229	24.09	28.25	32.22	33.02	36.19	38.57	40.16	44.12	44.91	49.02	52.02	53.60	59.92	67.81	75.70	77.28
4.480	50	5.013	224	22.457		15.22	19.77	20.65	24.07	26.59	28.25	32.36	33.18	37.40	40.47	42.08	48.50	56.49	64.45	66.04
4.500	40	4.010	180	18.046	16.43	20.85	24.99	25.81	29.07	31.50	33.11	37.13	37.93	42.09	45.12	46.71	53.08	61.01	68.93	70.52
4.516	31	3.108	140	14.036	21.10	25.31	29.33	30.13	33.33	35.72	37.31	41.29	42.08	46.21	49.22	50.81	57.14	65.05	72.95	74.52
4.615	39	3.910	180	18.046	16.49	20.92	25.06	25.88	29.14	31.57	33.18	37.20	38.00	42.16	45.19	46.79	53.15	61.09	69.01	70.59
4.667	30	3.008	140	14.036	21.17	25.38	29.40	30.20	33.40	35.79	37.39	41.37	42.16	46.28	49.29	50.88	57.21	65.12	73.02	74.60
4.667	48	4.812	224	22.457		15.34	19.90	20.77	24.20	26.72	28.38	32.50	33.31	37.54	40.61	42.22	48.65	56.63	64.59	66.18
4.737	38	3.810	180	18.046	16.55	20.99	25.12	25.95	29.21	31.64	33.25	37.27	38.07	42.23	45.26	46.86	53.22	61.16	69.08	70.67
4.828	29	2.907	140	14.036	21.23	25.45	29.47	30.28	33.47	35.87	37.46	41.44	42.23	46.36	49.37	50.95	57.29	65.20	73.10	74.68
4.865	37	3.709	180	18.046	16.62	21.05	25.19	26.01	29.28	31.70	33.32	37.34	38.14	42.30	45.34	46.93	53.30	61.23	69.16	70.74
4.978	45	4.511	224	22.457		15.51	20.08	20.96	24.39	26.91	28.58	32.70	33.52	37.75	40.82	42.43	48.86	56.85	64.81	66.40
5.000	28	2.807	140	14.036	21.30	25.52	29.54	30.35	33.55	35.94	37.53	41.51	42.30	46.43	49.44	51.03	57.36	65.27	73.17	74.75
5.000	36	3.609	180	18.046	16.68	21.12	25.26	26.08	29.34	31.77	33.39	37.41	38.21	42.38	45.41	47.00	53.37	61.31	69.23	70.81
5.091	22	2.206	112	11.229	24.30	28.46	32.44	33.24	36.41	38.79	40.38	44.34	45.13	49.24	52.24	53.82	60.14	68.04	75.93	77.51
5.143	35	3.509	180	18.046	16.74	21.18	25.33	26.15	29.41	31.84	33.46	37.48	38.28	42.45	45.48	47.07	53.44	61.38	69.30	70.89
5.185	27	2.707	140	14.036	21.37	25.59	29.61	30.42	33.62	36.01	37.60	41.58	42.38	46.50	49.52	51.10	57.44	65.34	73.25	74.83
5.294	34	3.409	180	18.046	16.80	21.25	25.39	26.22	29.48	31.91	33.53	37.55	38.35	42.52	45.55	47.15	53.51	61.45	69.38	70.96
5.333	42	4.211	224	22.457		15.69	20.27	21.15	24.59	27.11	28.78	32.90	33.72	37.95	41.03	42.64	49.07	57.06	65.03	66.62
5.385	26	2.607	140	14.036	21.44	25.66	29.68	30.49	33.69	36.08	37.67	41.66	42.45	46.58	49.59	51.17	57.51	65.42	73.32	74.90
5.455	33	3.308	180	18.046	16.87	21.31	25.46	26.28	29.55	31.98	33.60	37.62	38.42	42.59	45.62	47.22	53.59	61.53	69.45	71.04
5.463	41	4.110	224	22.457		15.75	20.33	21.21	24.65	27.18	28.84	32.97	33.79	38.02	41.10	42.71	49.14	57.14	65.10	66.69
5.600	25	2.506	140	14.036	21.51	25.73	29.75	30.56	33.76	36.15	37.75	41.73	42.52	46.65	49.66	51.25	57.58	65.49	73.40	74.98
5.600	40	4.010	224	22.457		15.81	20.39	21.28	24.72	27.24	28.91	33.04	33.85	38.09	41.17	42.78	49.21	57.21	65.17	66.76
5.625	32	3.208	180	18.046	16.93	21.38	25.53	26.35	29.62	32.05	33.67	37.69	38.49	42.66	45.69	47.29	53.66	61.60	69.53	71.11
5.744	39	3.910	224	22.457		15.86	20.46	21.34	24.78	27.31	28.97	33.10	33.92	38.16	41.23	42.85	49.28	57.28	65.25	66.84
5.806	31	3.108	180	18.046	16.99	21.44	25.59	26.42	29.69	32.12	33.74	37.76	38.57	42.73	45.76	47.36	53.73	61.67	69.60	71.18
5.895	38	3.810	224	22.457		15.92	20.52	21.40	24.84	27.37	29.04	33.17	33.99	38.23	41.30	42.92	49.35	57.35	65.32	66.91
6.000	30	3.008	180	18.046	17.05	21.51	25.66	26.48	29.75	32.19	33.80	37.83	38.64	42.80	45.84	47.43	53.80	61.75	69.67	71.26
6.054	37	3.709	224	22.457		15.98	20.58	21.46	24.91	27.44	29.11	33.24	34.06	38.30	41.37	42.99	49.42	57.42	65.39	66.98
6.207	29	2.907	180	18.046	17.12	21.57	25.73	26.55	29.82	32.26	33.87	37.91	38.71	42.87	45.91	47.50	53.88	61.82	69.75	71.33
6.222	36	3.609	224	22.457		16.04	20.64	21.52	24.97	27.50	29.17	33.31	34.12	38.36	41.44	43.06	49.49	57.49	65.46	67.05
6.364	22	2.206	140	14.036	21.71	25.94	29.96	30.77	33.97	36.37	37.96	41.95	42.74	46.87	49.88	51.47	57.81	65.72	73.62	75.20
6.400	35	3.509	224	22.457		16.10	20.70	21.59	25.04	27.57	29.24	33.37	34.19	38.43	41.51	43.13	49.56	57.56	65.54	67.13
6.429	28	2.807	180	18.046	17.18	21.64	25.79	26.62	29.89	32.32	33.94	37.98	38.78	42.94	45.98	47.58	53.95	61.89	69.82	71.41
6.588	34	3.409	224	22.457		16.16	20.76	21.65	25.10	27.63	29.30	33.44	34.26	38.50	41.58	43.20	49.63	57.64	65.61	67.20
6.667	27	2.707	180	18.046	17.24	21.70	25.86	26.69	29.96	32.39	34.01	38.04	38.85	43.02	46.05	47.65	54.02	61.97	69.89	71.48
6.788	33	3.308	224	22.457		16.22	20.83	21.71	25.16	27.70	29.37	33.51	34.33	38.57	41.65	43.27	49.70	57.71	65.68	67.27
6.923	26	2.607	180	18.046	17.30	21.77	25.93	26.75	30.03	32.46	34.08	38.11	38.92	43.09	46.12	47.72	54.09	62.04	69.97	71.55
7.000	32	3.208	224	22.457		16.27	20.89	21.77	25.23	27.76	29.43	33.57	34.39	38.64	41.72	43.33	49.77	57.78	65.75	67.34
7.200	25	2.506	180	18.046	17.36	21.83	25.99	26.82	30.09	32.53	34.15	38.19	38.99	43.16	46.19	47.79	54.17	62.11	70.04	71.63
7.226	31	3.108	224	22.457		16.33	20.95	21.84	25.29	27.83	29.50	33.64	34.46	38.71	41.79	43.40	49.84	57.85	65.82	67.42
7.467	30	3.008	224	22.457		16.39	21.01	21.90	25.36	27.89	29.57	33.71	34.53	38.77	41.85	43.47	49.91	57.92	65.90	67.49
7.724	29	2.907	224	22.457		16.45	21.07	21.96	25.42	27.96	29.63	33.77	34.59	38.84	41.92	43.54	49.99	57.99	65.97	67.56
8.000	28	2.807	224	22.457		16.51	21.13	22.02	25.48	28.02	29.70	33.84	34.66	38.91	41.99	43.61	50.06	58.06	66.04	67.63
8.182	22	2.206	180	18.046	17.55	22.02	26.19	27.02	30.30	32.74	34.36	38.39	39.20	43.37	46.41	48.00	54.38	62.33	70.26	71.85
8.296	27	2.707	224	22.457		16.56	21.20	22.08	25.55	28.09	29.76	33.91	34.73	38.98	42.06	43.68	50.13	58.14	66.11	67.70
8.615	26	2.607	224	22.457		16.62	21.26	22.15	25.61	28.15	29.83	33.97	34.79	39.05	42.13	43.75	50.20	58.21	66.18	67.78
8.960	25	2.506	224	22.457		16.68	21.32	22.21	25.68	28.22	29.89	34.04	34.86	39.12	42.20	43.82	50.27	58.28	66.26	67.85
10.182	22	2.206	224	22.457		16.85	21.50	22.39	25.87	28.41	30.09	34.24	35.06	39.32	42.40	44.03	50.48	58.49	66.47	68.07
Length Factor*					**1.18**	**1.22**	**1.26**	**1.26**	**1.29**	**1.31**	**1.32**	**1.35**	**1.36**	**1.38**	**1.40**	**1.41**	**1.45**	**1.49**	**1.52**	**1.53**

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

* The length correction factor must be used to determine the proper belt width.

14M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches											
	Driver		Driven		994-14MX	1120-14MX	1190-14MX	1260-14MX	1400-14MX	1568-14MX	1610-14MX	1750-14MX	1890-14MX	1960-14MX	2100-14MX	2240-14MX	2310-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches													
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**
1.000	28	4.912	28	4.912	11.85	14.33	15.71	17.09	19.84	23.15	23.98	26.73	29.49	30.87	33.62	36.38	37.75
1.000	29	5.088	29	5.088	11.57	14.05	15.43	16.81	19.57	22.87	23.70	26.46	29.21	30.59	33.35	36.10	37.48
1.000	30	5.263	30	5.263	11.30	13.78	15.16	16.54	19.29	22.60	23.43	26.18	28.94	30.32	33.07	35.83	37.20
1.000	31	5.439	31	5.439	11.02	13.50	14.88	16.26	19.02	22.32	23.15	25.91	28.66	30.04	32.80	35.55	36.93
1.000	32	5.614	32	5.614	10.75	13.23	14.61	15.99	18.74	22.05	22.88	25.63	28.39	29.77	32.52	35.28	36.65
1.000	33	5.790	33	5.790	10.47	12.95	14.33	15.71	18.47	21.77	22.60	25.36	28.11	29.49	32.25	35.00	36.38
1.000	34	5.965	34	5.965	10.20	12.68	14.06	15.44	18.19	21.50	22.33	25.08	27.84	29.22	31.97	34.73	36.10
1.000	35	6.141	35	6.141	9.92	12.40	13.78	15.16	17.91	21.22	22.05	24.80	27.56	28.94	31.69	34.45	35.82
1.000	36	6.316	36	6.316	9.64	12.12	13.50	14.88	17.64	20.94	21.77	24.53	27.28	28.66	31.42	34.17	35.55
1.000	37	6.492	37	6.492	9.37	11.85	13.23	14.61	17.36	20.67	21.50	24.25	27.01	28.39	31.14	33.90	35.27
1.000	38	6.667	38	6.667	9.09	11.57	12.95	14.33	17.09	20.39	21.22	23.98	26.73	28.11	30.87	33.62	35.00
1.000	39	6.842	39	6.842	8.82	11.30	12.68	14.06	16.81	20.12	20.95	23.70	26.46	27.84	30.59	33.35	34.72
1.000	40	7.018	40	7.018	8.54	11.02	12.40	13.78	16.54	19.84	20.67	23.43	26.18	27.56	30.32	33.07	34.45
1.000	43	7.544	43	7.544		10.19	11.57	12.95	15.71	19.01	19.84	22.60	25.35	26.73	29.49	32.24	33.62
1.000	45	7.895	45	7.895		9.64	11.02	12.40	15.16	18.46	19.29	22.05	24.80	26.18	28.94	31.69	33.07
1.000	48	8.421	48	8.421			10.20	11.58	14.33	17.64	18.47	21.22	23.98	25.36	28.11	30.87	32.24
1.000	50	8.772	50	8.772			9.65	11.03	13.78	17.09	17.92	20.67	23.43	24.81	27.56	30.32	31.69
1.000	53	9.299	53	9.299				10.20	12.95	16.26	17.09	19.84	22.60	23.98	26.73	29.49	30.86
1.000	56	9.825	56	9.825					12.13	15.43	16.26	19.02	21.77	23.15	25.91	28.66	30.04
1.000	60	10.527	60	10.527						14.33	15.16	17.91	20.67	22.05	24.80	27.56	28.93
1.000	63	11.053	63	11.053						13.50	14.33	17.09	19.84	21.22	23.98	26.73	28.11
1.000	67	11.755	67	11.755							13.23	15.99	18.74	20.12	22.88	25.63	27.01
1.000	71	12.457	71	12.457								14.88	17.64	19.02	21.77	24.53	25.90
1.000	75	13.158	75	13.158									16.54	17.92	20.67	23.43	24.80
1.000	80	14.036	80	14.036									15.16	16.54	19.29	22.05	23.42
1.026	38	6.667	39	6.842	8.95	11.43	12.81	14.19	16.95	20.25	21.08	23.84	26.59	27.97	30.73	33.48	34.86
1.026	39	6.842	40	7.018	8.68	11.16	12.54	13.92	16.67	19.98	20.81	23.56	26.32	27.70	30.45	33.21	34.58
1.027	37	6.492	38	6.667	9.23	11.71	13.09	14.47	17.22	20.53	21.36	24.11	26.87	28.25	31.00	33.76	35.13
1.028	36	6.316	37	6.492	9.51	11.99	13.37	14.75	17.50	20.81	21.64	24.39	27.15	28.53	31.28	34.04	35.41
1.029	34	5.965	35	6.141	10.06	12.54	13.92	15.30	18.05	21.36	22.19	24.94	27.70	29.08	31.83	34.59	35.96
1.029	35	6.141	36	6.316	9.78	12.26	13.64	15.02	17.78	21.08	21.91	24.67	27.42	28.80	31.56	34.31	35.69
1.030	33	5.790	34	5.965	10.33	12.81	14.19	15.57	18.33	21.63	22.46	25.22	27.97	29.35	32.11	34.86	36.24
1.031	32	5.614	33	5.790	10.61	13.09	14.47	15.85	18.60	21.91	22.74	25.49	28.25	29.63	32.38	35.14	36.51
1.032	31	5.439	32	5.614	10.88	13.36	14.74	16.12	18.88	22.18	23.01	25.77	28.52	29.90	32.66	35.41	36.79
1.033	30	5.263	31	5.439	11.16	13.64	15.02	16.40	19.15	22.46	23.29	26.04	28.80	30.18	32.93	35.69	37.06
1.034	29	5.088	30	5.263	11.44	13.92	15.30	16.68	19.43	22.74	23.57	26.32	29.08	30.46	33.21	35.97	37.34
1.036	28	4.912	29	5.088	11.71	14.19	15.57	16.95	19.71	23.01	23.84	26.60	29.35	30.73	33.49	36.24	37.62
1.042	48	8.421	50	8.772			9.92	11.30	14.06	17.36	18.19	20.95	23.70	25.08	27.84	30.59	31.97
1.047	43	7.544	45	7.895		9.92	11.30	12.68	15.43	18.74	19.57	22.32	25.08	26.46	29.21	31.97	33.34
1.050	60	10.527	63	11.053						13.91	14.74	17.50	20.25	21.63	24.39	27.14	28.52
1.053	38	6.667	40	7.018	8.82	11.30	12.68	14.06	16.81	20.12	20.95	23.70	26.46	27.84	30.59	33.35	34.72
1.054	37	6.492	39	6.842	9.09	11.57	12.95	14.33	17.09	20.39	21.22	23.98	26.73	28.11	30.87	33.62	35.00
1.056	36	6.316	38	6.667	9.37	11.85	13.23	14.61	17.36	20.67	21.50	24.25	27.01	28.39	31.14	33.90	35.27
1.056	71	12.457	75	13.158								14.33	17.08	18.46	21.22	23.97	25.35
1.057	35	6.141	37	6.492	9.64	12.12	13.50	14.88	17.64	20.94	21.77	24.53	27.28	28.66	31.42	34.17	35.55
1.057	53	9.299	56	9.825					12.54	15.84	16.67	19.43	22.18	23.56	26.32	29.07	30.45
1.059	34	5.965	36	6.316	9.92	12.40	13.78	15.16	17.91	21.22	22.05	24.80	27.56	28.94	31.69	34.45	35.82
1.060	50	8.772	53	9.299				10.61	13.36	16.67	17.50	20.26	23.01	24.39	27.15	29.90	31.28
1.060	67	11.755	71	12.457								15.43	18.19	19.57	22.32	25.08	26.45
1.061	33	5.790	35	6.141	10.19	12.67	14.05	15.43	18.19	21.49	22.32	25.08	27.83	29.21	31.97	34.72	36.10
1.063	32	5.614	34	5.965	10.47	12.95	14.33	15.71	18.47	21.77	22.60	25.36	28.11	29.49	32.25	35.00	36.38
1.063	63	11.053	67	11.755						12.95	13.78	16.53	19.29	20.67	23.42	26.18	27.55
1.065	31	5.439	33	5.790	10.74	13.22	14.60	15.98	18.74	22.05	22.88	25.63	28.39	29.77	32.52	35.28	36.65
1.067	30	5.263	32	5.614	11.02	13.50	14.88	16.26	19.02	22.32	23.15	25.91	28.66	30.04	32.80	35.55	36.93
1.067	45	7.895	48	8.421		9.23	10.61	11.99	14.74	18.05	18.88	21.63	24.39	25.77	28.52	31.28	32.65
1.067	75	13.158	80	14.036									15.84	17.22	19.98	22.73	24.11
1.069	29	5.088	31	5.439	11.30	13.78	15.16	16.54	19.29	22.60	23.43	26.18	28.94	30.32	33.07	35.83	37.20
1.071	28	4.912	30	5.263	11.57	14.05	15.43	16.81	19.57	22.87	23.70	26.46	29.21	30.59	33.35	36.10	37.48
1.071	56	9.825	60	10.527					11.57	14.88	15.71	18.46	21.22	22.60	25.35	28.11	29.48
1.075	40	7.018	43	7.544	8.12	10.60	11.99	13.37	16.12	19.43	20.26	23.01	25.77	27.15	29.90	32.66	34.03
1.081	37	6.492	40	7.018	8.95	11.43	12.81	14.19	16.95	20.25	21.08	23.84	26.59	27.97	30.73	33.48	34.86
1.083	36	6.316	39	6.842	9.23	11.71	13.09	14.47	17.22	20.53	21.36	24.11	26.87	28.25	31.00	33.76	35.13
1.086	35	6.141	38	6.667	9.50	11.98	13.36	14.74	17.50	20.80	21.63	24.39	27.14	28.52	31.28	34.03	35.41
1.088	34	5.965	37	6.492	9.78	12.26	13.64	15.02	17.77	21.08	21.91	24.66	27.42	28.80	31.56	34.31	35.69
1.091	33	5.790	36	6.316	10.05	12.53	13.91	15.29	18.05	21.36	22.19	24.94	27.70	29.08	31.83	34.59	35.96
1.094	32	5.614	35	6.141	10.33	12.81	14.19	15.57	18.33	21.63	22.46	25.22	27.97	29.35	32.11	34.86	36.24
1.097	31	5.439	34	5.965	10.61	13.09	14.47	15.85	18.60	21.91	22.74	25.49	28.25	29.63	32.38	35.14	36.51
1.100	30	5.263	33	5.790	10.88	13.36	14.74	16.12	18.88	22.18	23.01	25.77	28.52	29.90	32.66	35.41	36.79
1.103	29	5.088	32	5.614	11.16	13.64	15.02	16.40	19.15	22.46	23.29	26.04	28.80	30.18	32.93	35.69	37.06
1.103	39	6.842	43	7.544	8.26	10.74	12.12	13.50	16.26	19.56	20.39	23.15	25.90	27.28	30.04	32.79	34.17
1.104	48	8.421	53	9.299				10.88	13.64	16.94	17.77	20.53	23.28	24.66	27.42	30.17	31.55
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**

* The length correction factor must be used to determine the proper belt width.

SELECTION

14M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		2380-14MX	2450-14MX	2520-14MX	2590-14MX	2660-14MX	2800-14MX	3136-14MX	3304-14MX	3360-14MX	3500-14MX	3850-14MX	3920-14MX	4326-14MX	4410-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					1.01	1.02	1.03	1.04	1.05	1.07	1.12	1.14	1.14	1.16	1.19	1.20	1.24	1.25
1.000	28	4.912	28	4.912	39.13	40.51	41.89	43.27	44.64	47.40	54.01	57.32	58.42	61.18	68.07	69.45	77.44	79.09
1.000	29	5.088	29	5.088	38.86	40.24	41.61	42.99	44.37	47.13	53.74	57.05	58.15	60.90	67.79	69.17	77.16	78.82
1.000	30	5.263	30	5.263	38.58	39.96	41.34	42.72	44.09	46.85	53.46	56.77	57.87	60.63	67.52	68.90	76.89	78.54
1.000	31	5.439	31	5.439	38.31	39.69	41.06	42.44	43.82	46.58	53.19	56.50	57.60	60.35	67.24	68.62	76.61	78.27
1.000	32	5.614	32	5.614	38.03	39.41	40.79	42.17	43.54	46.30	52.91	56.22	57.32	60.08	66.97	68.35	76.34	77.99
1.000	33	5.790	33	5.790	37.76	39.14	40.51	41.89	43.27	46.03	52.64	55.95	57.05	59.80	66.69	68.07	76.06	77.72
1.000	34	5.965	34	5.965	37.48	38.86	40.24	41.62	42.99	45.75	52.36	55.67	56.77	59.53	66.42	67.80	75.79	77.44
1.000	35	6.141	35	6.141	37.20	38.58	39.96	41.34	42.71	45.47	52.08	55.39	56.49	59.25	66.14	67.52	75.51	77.16
1.000	36	6.316	36	6.316	36.93	38.31	39.68	41.06	42.44	45.20	51.81	55.12	56.22	58.97	65.86	67.24	75.23	76.89
1.000	37	6.492	37	6.492	36.65	38.03	39.41	40.79	42.16	44.92	51.53	54.84	55.94	58.70	65.59	66.97	74.96	76.61
1.000	38	6.667	38	6.667	36.38	37.76	39.13	40.51	41.89	44.65	51.26	54.57	55.67	58.42	65.31	66.69	74.68	76.34
1.000	39	6.842	39	6.842	36.10	37.48	38.86	40.24	41.61	44.37	50.98	54.29	55.39	58.15	65.04	66.42	74.41	76.06
1.000	40	7.018	40	7.018	35.83	37.21	38.58	39.96	41.34	44.10	50.71	54.02	55.12	57.87	64.76	66.14	74.13	75.79
1.000	43	7.544	43	7.544	35.00	36.38	37.75	39.13	40.51	43.27	49.88	53.19	54.29	57.04	63.93	65.31	73.30	74.96
1.000	45	7.895	45	7.895	34.45	35.83	37.20	38.58	39.96	42.72	49.33	52.64	53.74	56.49	63.38	64.76	72.75	74.41
1.000	48	8.421	48	8.421	33.62	35.00	36.38	37.76	39.13	41.89	48.50	51.81	52.91	55.67	62.56	63.94	71.93	73.58
1.000	50	8.772	50	8.772	33.07	34.45	35.83	37.21	38.58	41.34	47.95	51.26	52.36	55.12	62.01	63.39	71.38	73.03
1.000	53	9.299	53	9.299	32.24	33.62	35.00	36.38	37.75	40.51	47.12	50.43	51.53	54.29	61.18	62.56	70.55	72.20
1.000	56	9.825	56	9.825	31.42	32.80	34.17	35.55	36.93	39.69	46.30	49.61	50.71	53.46	60.35	61.73	69.72	71.38
1.000	60	10.527	60	10.527	30.31	31.69	33.07	34.45	35.82	38.58	45.19	48.50	49.60	52.36	59.25	60.63	68.62	70.27
1.000	63	11.053	63	11.053	29.49	30.87	32.24	33.62	35.00	37.76	44.37	47.68	48.78	51.53	58.42	59.80	67.79	69.45
1.000	67	11.755	67	11.755	28.39	29.77	31.14	32.52	33.90	36.66	43.27	46.58	47.68	50.43	57.32	58.70	66.69	68.35
1.000	71	12.457	71	12.457	27.28	28.66	30.04	31.42	32.79	35.55	42.16	45.47	46.57	49.33	56.22	57.60	65.59	67.24
1.000	75	13.158	75	13.158	26.18	27.56	28.94	30.32	31.69	34.45	41.06	44.37	45.47	48.23	55.12	56.50	64.49	66.14
1.000	80	14.036	80	14.036	24.80	26.18	27.56	28.94	30.31	33.07	39.68	42.99	44.09	46.85	53.74	55.12	63.11	64.76
1.026	38	6.667	39	6.842	36.24	37.62	38.99	40.37	41.75	44.51	51.12	54.43	55.53	58.28	65.17	66.55	74.55	76.20
1.026	39	6.842	40	7.018	35.96	37.34	38.72	40.10	41.47	44.23	50.84	54.15	55.25	58.01	64.90	66.28	74.27	75.92
1.027	37	6.492	38	6.667	36.51	37.89	39.27	40.65	42.02	44.78	51.39	54.70	55.80	58.56	65.45	66.83	74.82	76.47
1.028	36	6.316	37	6.492	36.79	38.17	39.55	40.93	42.30	45.06	51.67	54.98	56.08	58.84	65.73	67.11	75.10	76.75
1.029	34	5.965	35	6.141	37.34	38.72	40.10	41.48	42.85	45.61	52.22	55.53	56.63	59.39	66.28	67.66	75.65	77.30
1.029	35	6.141	36	6.316	37.07	38.45	39.82	41.20	42.58	45.34	51.95	55.26	56.36	59.11	66.00	67.38	75.37	77.03
1.030	33	5.790	34	5.965	37.62	39.00	40.37	41.75	43.13	45.89	52.50	55.81	56.91	59.66	66.55	67.93	75.92	77.58
1.031	32	5.614	33	5.790	37.89	39.27	40.65	42.03	43.40	46.16	52.77	56.08	57.18	59.94	66.83	68.21	76.20	77.85
1.032	31	5.439	32	5.614	38.17	39.55	40.92	42.30	43.68	46.44	53.05	56.36	57.46	60.21	67.10	68.48	76.47	78.13
1.033	30	5.263	31	5.439	38.44	39.82	41.20	42.58	43.95	46.71	53.32	56.63	57.73	60.49	67.38	68.76	76.75	78.40
1.034	29	5.088	30	5.263	38.72	40.10	41.48	42.86	44.23	46.99	53.60	56.91	58.01	60.77	67.66	69.04	77.03	78.68
1.036	28	4.912	29	5.088	39.00	40.38	41.75	43.13	44.51	47.27	53.88	57.19	58.29	61.04	67.93	69.31	77.30	78.96
1.042	48	8.421	50	8.772	33.35	34.73	36.10	37.48	38.86	41.62	48.23	51.54	52.64	55.39	62.28	63.66	71.65	73.31
1.047	43	7.544	45	7.895	34.72	36.10	37.48	38.86	40.23	42.99	49.60	52.91	54.01	56.77	63.66	65.04	73.03	74.68
1.050	60	10.527	63	11.053	29.90	31.28	32.66	34.04	35.41	38.17	44.78	48.09	49.19	51.95	58.84	60.22	68.21	69.86
1.053	38	6.667	40	7.018	36.10	37.48	38.86	40.24	41.61	44.37	50.98	54.29	55.39	58.15	65.04	66.42	74.41	76.06
1.054	37	6.492	39	6.842	36.38	37.76	39.13	40.51	41.89	44.65	51.26	54.57	55.67	58.42	65.31	66.69	74.68	76.34
1.056	36	6.316	38	6.667	36.65	38.03	39.41	40.79	42.16	44.92	51.53	54.84	55.94	58.70	65.59	66.97	74.96	76.61
1.056	71	12.457	75	13.158	26.73	28.11	29.48	30.87	32.24	35.00	41.61	44.92	46.02	48.78	55.67	57.05	65.04	66.69
1.057	35	6.141	37	6.492	36.93	38.31	39.68	41.06	42.44	45.20	51.81	55.12	56.22	58.97	65.86	67.24	75.23	76.89
1.057	53	9.299	56	9.825	31.83	33.21	34.58	35.96	37.34	40.10	46.71	50.02	51.12	53.87	60.76	62.14	70.13	71.79
1.059	34	5.965	36	6.316	37.20	38.58	39.96	41.34	42.71	45.47	52.08	55.39	56.49	59.25	66.14	67.52	75.51	77.16
1.060	50	8.772	53	9.299	32.66	34.04	35.41	36.79	38.17	40.93	47.54	50.85	51.95	54.70	61.59	62.97	70.96	72.62
1.060	67	11.755	71	12.457	27.83	29.21	30.59	31.97	33.34	36.10	42.71	46.02	47.12	49.88	56.77	58.15	66.14	67.79
1.061	33	5.790	35	6.141	37.48	38.86	40.23	41.61	42.99	45.75	52.36	55.67	56.77	59.52	66.41	67.79	75.78	77.44
1.063	32	5.614	34	5.965	37.76	39.14	40.51	41.89	43.27	46.03	52.64	55.95	57.05	59.80	66.69	68.07	76.06	77.72
1.063	63	11.053	67	11.755	28.93	30.31	31.69	33.07	34.44	37.20	43.82	47.13	48.23	50.98	57.87	59.25	67.24	68.90
1.065	31	5.439	33	5.790	38.03	39.41	40.79	42.17	43.54	46.30	52.91	56.22	57.32	60.08	66.97	68.35	76.34	77.99
1.067	30	5.263	32	5.614	38.31	39.69	41.06	42.44	43.82	46.58	53.19	56.50	57.60	60.35	67.24	68.62	76.61	78.27
1.067	45	7.895	48	8.421	34.03	35.41	36.79	38.17	39.54	42.30	48.91	52.22	53.32	56.08	62.97	64.35	72.34	73.99
1.067	75	13.158	80	14.036	25.49	26.87	28.24	29.62	31.00	33.76	40.37	43.68	44.78	47.53	54.43	55.81	63.80	65.45
1.069	29	5.088	31	5.439	38.58	39.96	41.34	42.72	44.09	46.85	53.46	56.77	57.87	60.63	67.52	68.90	76.89	78.54
1.071	28	4.912	30	5.263	38.86	40.24	41.61	42.99	44.37	47.13	53.74	57.05	58.15	60.90	67.79	69.17	77.16	78.82
1.071	56	9.825	60	10.527	30.86	32.24	33.62	35.00	36.37	39.13	45.74	49.05	50.15	52.91	59.80	61.18	69.17	70.82
1.075	40	7.018	43	7.544	35.41	36.79	38.17	39.55	40.92	43.68	50.29	53.60	54.70	57.46	64.35	65.73	73.72	75.37
1.081	37	6.492	40	7.018	36.24	37.62	38.99	40.37	41.75	44.51	51.12	54.43	55.53	58.28	65.17	66.55	74.54	76.20
1.083	36	6.316	39	6.842	36.51	37.89	39.27	40.65	42.02	44.78	51.40	54.71	55.81	58.56	65.45	66.83	74.82	76.48
1.086	35	6.141	38	6.667	36.79	38.17	39.54	40.92	42.30	45.06	51.67	54.98	56.08	58.84	65.73	67.11	75.10	76.75
1.088	34	5.965	37	6.492	37.07	38.45	39.82	41.20	42.58	45.34	51.95	55.26	56.36	59.11	66.00	67.38	75.37	77.03
1.091	33	5.790	36	6.316	37.34	38.72	40.10	41.48	42.85	45.61	52.22	55.53	56.63	59.39	66.28	67.66	75.65	77.30
1.094	32	5.614	35	6.141	37.62	39.00	40.37	41.75	43.13	45.89	52.50	55.81	56.91	59.66	66.55	67.93	75.92	77.58
1.097	31	5.439	34	5.965	37.89	39.27	40.65	42.03	43.40	46.16	52.77	56.08	57.18	59.94	66.83	68.21	76.20	77.85
1.100	30	5.263	33	5.790	38.17	39.55	40.92	42.30	43.68	46.44	53.05	56.36	57.46	60.21	67.10	68.48	76.47	78.13
1.103	29	5.088	32	5.614	38.44	39.82	41.20	42.58	43.95	46.71	53.32	56.63	57.73	60.49	67.38	68.76	76.75	78.40
1.103	39	6.842	43	7.544	35.55	36.93	38.30	39.68	41.06	43.82	50.43	53.74	54.84	57.60	64.49	65.87	73.86	75.51
1.104	48	8.421	53	9.299	32.93	34.31	35.69	37.07	38.44	41.20	47.81	51.12	52.22	54.98	61.87	63.25	71.24	72.89
Length Factor*					1.01	1.02	1.03	1.04	1.05	1.07	1.12	1.14	1.14	1.16	1.19	1.20	1.24	1.25

* The length correction factor must be used to determine the proper belt width.

DODGE

14M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches												
	Driver		Driven		994-14MX	1120-14MX	1190-14MX	1260-14MX	1400-14MX	1568-14MX	1610-14MX	1750-14MX	1890-14MX	1960-14MX	2100-14MX	2240-14MX	2310-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches													
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**
1.107	28	4.912	31	5.439	11.43	13.91	15.29	16.67	19.43	22.73	23.56	26.32	29.07	30.45	33.21	35.96	37.34
1.111	36	6.316	40	7.018	9.09	11.57	12.95	14.33	17.08	20.39	21.22	23.97	26.73	28.11	30.87	33.62	35.00
1.111	45	7.895	50	8.772			10.33	11.71	14.46	17.77	18.60	21.36	24.11	25.49	28.25	31.00	32.38
1.114	35	6.141	39	6.842	9.36	11.84	13.22	14.60	17.36	20.67	21.50	24.25	27.01	28.39	31.14	33.90	35.27
1.116	43	7.544	48	8.421		9.50	10.88	12.26	15.01	18.32	19.15	21.91	24.66	26.04	28.80	31.55	32.93
1.117	60	10.527	67	11.755						13.35	14.18	16.94	19.70	21.08	23.83	26.59	27.96
1.118	34	5.965	38	6.667	9.64	12.12	13.50	14.88	17.64	20.94	21.77	24.53	27.28	28.66	31.42	34.17	35.55
1.119	67	11.755	75	13.158								14.87	17.62	19.01	21.76	24.52	25.89
1.120	50	8.772	56	9.825				10.19	12.94	16.25	17.08	19.84	22.59	23.97	26.73	29.48	30.86
1.121	33	5.790	37	6.492	9.91	12.39	13.77	15.15	17.91	21.22	22.05	24.80	27.56	28.94	31.69	34.45	35.82
1.125	32	5.614	36	6.316	10.19	12.67	14.05	15.43	18.19	21.49	22.32	25.08	27.83	29.21	31.97	34.72	36.10
1.125	40	7.018	45	7.895		10.32	11.70	13.09	15.84	19.15	19.98	22.73	25.49	26.87	29.62	32.38	33.75
1.125	56	9.825	63	11.053					11.15	14.45	15.29	18.04	20.80	22.18	24.93	27.69	29.07
1.125	80	14.036	90	15.790											17.89	20.65	22.03
1.127	63	11.053	71	12.457							13.21	15.97	18.73	20.11	22.86	25.62	27.00
1.127	71	12.457	80	14.036									16.38	17.76	20.52	23.27	24.65
1.129	31	5.439	35	6.141	10.46	12.95	14.33	15.71	18.46	21.77	22.60	25.35	28.11	29.49	32.24	35.00	36.37
1.132	38	6.667	43	7.544	8.39	10.87	12.26	13.64	16.39	19.70	20.53	23.28	26.04	27.42	30.18	32.93	34.31
1.132	53	9.299	60	10.527					11.97	15.28	16.11	18.87	21.62	23.01	25.76	28.52	29.89
1.133	30	5.263	34	5.965	10.74	13.22	14.60	15.98	18.74	22.04	22.87	25.63	28.38	29.76	32.52	35.27	36.65
1.138	29	5.088	33	5.790	11.02	13.50	14.88	16.26	19.01	22.32	23.15	25.90	28.66	30.04	32.79	35.55	36.92
1.143	28	4.912	32	5.614	11.29	13.77	15.15	16.53	19.29	22.60	23.43	26.18	28.94	30.32	33.07	35.83	37.20
1.143	35	6.141	40	7.018	9.22	11.70	13.08	14.46	17.22	20.53	21.36	24.11	26.87	28.25	31.00	33.76	35.13
1.147	34	5.965	39	6.842	9.50	11.98	13.36	14.74	17.50	20.80	21.63	24.39	27.14	28.52	31.28	34.03	35.41
1.152	33	5.790	38	6.667	9.77	12.25	13.63	15.01	17.77	21.08	21.91	24.66	27.42	28.80	31.55	34.31	35.68
1.154	39	6.842	45	7.895		10.46	11.84	13.22	15.98	19.28	20.11	22.87	25.63	27.01	29.76	32.52	33.89
1.156	32	5.614	37	6.492	10.05	12.53	13.91	15.29	18.05	21.35	22.18	24.94	27.69	29.07	31.83	34.58	35.96
1.161	31	5.439	36	6.316	10.32	12.81	14.19	15.57	18.32	21.63	22.46	25.21	27.97	29.35	32.10	34.86	36.23
1.162	37	6.492	43	7.544	8.52	11.01	12.39	13.77	16.53	19.83	20.66	23.42	26.18	27.56	30.31	33.07	34.44
1.163	43	7.544	50	8.772		9.21	10.59	11.97	14.73	18.04	18.87	21.63	24.38	25.76	28.52	31.27	32.65
1.167	30	5.263	35	6.141	10.60	13.08	14.46	15.84	18.60	21.90	22.73	25.49	28.24	29.63	32.38	35.14	36.51
1.167	48	8.421	56	9.825				10.45	13.21	16.52	17.35	20.11	22.86	24.24	27.00	29.76	31.13
1.172	29	5.088	34	5.965	10.88	13.36	14.74	16.12	18.87	22.18	23.01	25.77	28.52	29.90	32.66	35.41	36.79
1.176	34	5.965	40	7.018	9.35	11.84	13.22	14.60	17.36	20.66	21.49	24.25	27.00	28.38	31.14	33.89	35.27
1.178	45	7.895	53	9.299			9.90	11.28	14.04	17.35	18.18	20.93	23.69	25.07	27.83	30.58	31.96
1.179	28	4.912	33	5.790	11.15	13.63	15.01	16.39	19.15	22.46	23.29	26.04	28.80	30.18	32.93	35.69	37.06
1.182	33	5.790	39	6.842	9.63	12.11	13.49	14.87	17.63	20.94	21.77	24.52	27.28	28.66	31.41	34.17	35.54
1.183	60	10.527	71	12.457						12.78	13.61	16.37	19.13	20.51	23.27	26.03	27.40
1.184	38	6.667	45	7.895	8.10	10.59	11.97	13.35	16.11	19.42	20.25	23.00	25.76	27.14	29.90	32.65	34.03
1.188	32	5.614	38	6.667	9.91	12.39	13.77	15.15	17.91	21.21	22.04	24.80	27.55	28.93	31.69	34.45	35.82
1.189	53	9.299	63	11.053					11.54	14.85	15.69	18.44	21.20	22.58	25.34	28.10	29.47
1.190	63	11.053	75	13.158								15.40	18.16	19.54	22.30	25.06	26.43
1.194	31	5.439	37	6.492	10.18	12.66	14.04	15.43	18.18	21.49	22.32	25.07	27.83	29.21	31.97	34.72	36.10
1.194	36	6.316	43	7.544	8.66	11.14	12.52	13.91	16.66	19.97	20.80	23.56	26.31	27.69	30.45	33.20	34.58
1.194	67	11.755	80	14.036								14.15	16.91	18.29	21.05	23.81	25.19
1.196	56	9.825	67	11.755						13.88	14.71	17.47	20.23	21.61	24.37	27.13	28.50
1.200	30	5.263	36	6.316	10.46	12.94	14.32	15.70	18.46	21.76	22.59	25.35	28.11	29.49	32.24	35.00	36.37
1.200	40	7.018	48	8.421		9.89	11.28	12.66	15.42	18.73	19.56	22.31	25.07	26.45	29.21	31.96	33.34
1.200	50	8.772	60	10.527					12.37	15.68	16.51	19.27	22.03	23.41	26.17	28.92	30.30
1.200	75	13.158	90	15.790										15.79	18.56	21.32	22.70
1.207	29	5.088	35	6.141	10.73	13.22	14.60	15.98	18.73	22.04	22.87	25.63	28.38	29.76	32.52	35.27	36.65
1.212	33	5.790	40	7.018	9.49	11.97	13.35	14.73	17.49	20.80	21.63	24.38	27.14	28.52	31.27	34.03	35.41
1.214	28	4.912	34	5.965	11.01	13.49	14.87	16.25	19.01	22.32	23.15	25.90	28.66	30.04	32.79	35.55	36.92
1.216	37	6.492	45	7.895	8.24	10.72	12.11	13.49	16.25	19.55	20.38	23.14	25.90	27.28	30.03	32.79	34.16
1.219	32	5.614	39	6.842	9.76	12.25	13.63	15.01	17.77	21.07	21.90	24.66	27.42	28.80	31.55	34.31	35.68
1.226	31	5.439	38	6.667	10.04	12.52	13.90	15.28	18.04	21.35	22.18	24.93	27.69	29.07	31.83	34.58	35.96
1.229	35	6.141	43	7.544	8.79	11.28	12.66	14.04	16.80	20.10	20.94	23.69	26.45	27.83	30.58	33.34	34.71
1.231	39	6.842	48	8.421		10.03	11.41	12.79	15.55	18.86	19.69	22.45	25.21	26.59	29.34	32.10	33.47
1.233	30	5.263	37	6.492	10.31	12.80	14.18	15.56	18.32	21.62	22.45	25.21	27.97	29.35	32.10	34.86	36.23
1.233	43	7.544	53	9.299			10.16	11.54	14.30	17.61	18.45	21.20	23.96	25.34	28.10	30.85	32.23
1.241	29	5.088	36	6.316	10.59	13.07	14.46	15.84	18.59	21.90	22.73	25.49	28.24	29.62	32.38	35.13	36.51
1.244	45	7.895	56	9.825				10.84	13.61	16.92	17.75	20.51	23.27	24.65	27.41	30.16	31.54
1.250	28	4.912	35	6.141	10.87	13.35	14.73	16.11	18.87	22.18	23.01	25.76	28.52	29.90	32.65	35.41	36.78
1.250	32	5.614	40	7.018	9.62	12.10	13.49	14.87	17.62	20.93	21.76	24.52	27.27	28.66	31.41	34.17	35.54
1.250	36	6.316	45	7.895	8.37	10.85	12.24	13.62	16.38	19.69	20.52	23.28	26.03	27.41	30.17	32.92	34.30
1.250	40	7.018	50	8.772		9.60	10.99	12.37	15.13	18.44	19.27	22.03	24.79	26.17	28.93	31.68	33.06
1.250	48	8.421	60	10.527					12.63	15.95	16.78	19.54	22.30	23.68	26.44	29.19	30.57
1.250	60	10.527	75	13.158							13.03	15.79	18.56	19.94	22.70	25.46	26.84
1.258	31	5.439	39	6.842	9.89	12.38	13.76	15.14	17.90	21.21	22.04	24.79	27.55	28.93	31.69	34.44	35.82
1.260	50	8.772	63	11.053					11.93	15.25	16.08	18.84	21.60	22.99	25.74	28.50	29.88
1.263	38	6.667	48	8.421		10.16	11.54	12.93	15.69	18.99	19.83	22.58	25.34	26.72	29.48	32.23	33.61
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**

* The length correction factor must be used to determine the proper belt width.

SELECTION

14M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		2380-14MX	2450-14MX	2520-14MX	2590-14MX	2660-14MX	2800-14MX	3136-14MX	3304-14MX	3360-14MX	3500-14MX	3850-14MX	3920-14MX	4326-14MX	4410-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					1.01	1.02	1.03	1.04	1.05	1.07	1.12	1.14	1.14	1.16	1.19	1.20	1.24	1.25
1.107	28	4.912	31	5.439	38.72	40.10	41.47	42.85	44.23	46.99	53.60	56.91	58.01	60.76	67.65	69.03	77.02	78.68
1.111	36	6.316	40	7.018	36.38	37.76	39.13	40.51	41.89	44.65	51.26	54.57	55.67	58.42	65.31	66.69	74.68	76.34
1.111	45	7.895	50	8.772	33.76	35.14	36.51	37.89	39.27	42.03	48.64	51.95	53.05	55.80	62.69	64.07	72.06	73.72
1.114	35	6.141	39	6.842	36.65	38.03	39.41	40.79	42.16	44.92	51.53	54.84	55.94	58.70	65.59	66.97	74.96	76.61
1.116	43	7.544	48	8.421	34.31	35.69	37.06	38.44	39.82	42.58	49.19	52.50	53.60	56.35	63.24	64.62	72.61	74.27
1.117	60	10.527	67	11.755	29.34	30.72	32.10	33.48	34.85	37.61	44.23	47.54	48.64	51.39	58.28	59.66	67.65	69.31
1.118	34	5.965	38	6.667	36.93	38.31	39.68	41.06	42.44	45.20	51.81	55.12	56.22	58.97	65.86	67.24	75.23	76.89
1.119	67	11.755	75	13.158	27.27	28.65	30.03	31.41	32.79	35.55	42.16	45.47	46.57	49.32	56.21	57.59	65.58	67.24
1.120	50	8.772	56	9.825	32.24	33.62	34.99	36.38	37.75	40.51	47.12	50.43	51.53	54.29	61.18	62.56	70.55	72.20
1.121	33	5.790	37	6.492	37.20	38.58	39.96	41.34	42.71	45.47	52.08	55.39	56.49	59.25	66.14	67.52	75.51	77.16
1.125	32	5.614	36	6.316	37.48	38.86	40.23	41.61	42.99	45.75	52.36	55.67	56.77	59.52	66.41	67.79	75.78	77.44
1.125	40	7.018	45	7.895	35.13	36.51	37.89	39.27	40.64	43.41	50.02	53.33	54.43	57.18	64.07	65.45	73.44	75.10
1.125	56	9.825	63	11.053	30.45	31.83	33.20	34.58	35.96	38.72	45.33	48.64	49.74	52.49	59.38	60.76	68.75	70.41
1.125	80	14.036	90	15.790	23.41	24.79	26.17	27.55	28.92	31.68	38.29	41.61	42.71	45.46	52.35	53.73	61.72	63.38
1.127	63	11.053	71	12.457	28.38	29.76	31.13	32.51	33.89	36.65	43.26	46.57	47.67	50.43	57.32	58.70	66.69	68.34
1.127	71	12.457	80	14.036	26.03	27.41	28.79	30.17	31.54	34.30	40.91	44.23	45.33	48.08	54.97	56.35	64.34	66.00
1.129	31	5.439	35	6.141	37.75	39.13	40.51	41.89	43.26	46.02	52.63	55.94	57.04	59.80	66.69	68.07	76.06	77.71
1.132	38	6.667	43	7.544	35.69	37.07	38.44	39.82	41.20	43.96	50.57	53.88	54.98	57.73	64.62	66.00	73.99	75.65
1.132	53	9.299	60	10.527	31.27	32.65	34.03	35.41	36.78	39.54	46.15	49.46	50.56	53.32	60.21	61.59	69.58	71.24
1.133	30	5.263	34	5.965	38.03	39.41	40.79	42.17	43.54	46.30	52.91	56.22	57.32	60.08	66.97	68.35	76.34	77.99
1.138	29	5.088	33	5.790	38.30	39.68	41.06	42.44	43.82	46.58	53.19	56.50	57.60	60.35	67.24	68.62	76.61	78.27
1.143	28	4.912	32	5.614	38.58	39.96	41.34	42.72	44.09	46.85	53.46	56.77	57.87	60.63	67.52	68.90	76.89	78.54
1.143	35	6.141	40	7.018	36.51	37.89	39.27	40.65	42.02	44.78	51.39	54.70	55.80	58.56	65.45	66.83	74.82	76.47
1.147	34	5.965	39	6.842	36.79	38.17	39.54	40.92	42.30	45.06	51.67	54.98	56.08	58.83	65.72	67.10	75.10	76.75
1.152	33	5.790	38	6.667	37.06	38.44	39.82	41.20	42.57	45.33	51.94	55.25	56.35	59.11	66.00	67.38	75.37	77.03
1.154	39	6.842	45	7.895	35.27	36.65	38.03	39.41	40.78	43.54	50.15	53.46	54.56	57.32	64.21	65.59	73.58	75.23
1.156	32	5.614	37	6.492	37.34	38.72	40.09	41.47	42.85	45.61	52.22	55.53	56.63	59.39	66.28	67.66	75.65	77.30
1.161	31	5.439	36	6.316	37.62	39.00	40.37	41.75	43.13	45.89	52.50	55.81	56.91	59.66	66.55	67.93	75.92	77.58
1.162	37	6.492	43	7.544	35.82	37.20	38.58	39.96	41.33	44.09	50.70	54.01	55.11	57.87	64.76	66.14	74.13	75.78
1.163	43	7.544	50	8.772	34.03	35.41	36.79	38.17	39.54	42.30	48.91	52.22	53.32	56.08	62.97	64.35	72.34	73.99
1.167	30	5.263	35	6.141	37.89	39.27	40.65	42.03	43.40	46.16	52.77	56.08	57.18	59.94	66.83	68.21	76.20	77.85
1.167	48	8.421	56	9.825	32.51	33.89	35.27	36.65	38.02	40.78	47.39	50.70	51.80	54.56	61.45	62.83	70.82	72.48
1.172	29	5.088	34	5.965	38.17	39.55	40.92	42.30	43.68	46.44	53.05	56.36	57.46	60.21	67.10	68.48	76.47	78.13
1.176	34	5.965	40	7.018	36.65	38.03	39.40	40.78	42.16	44.92	51.53	54.84	55.94	58.70	65.59	66.97	74.96	76.61
1.178	45	7.895	53	9.299	33.34	34.72	36.09	37.47	38.85	41.61	48.22	51.53	52.63	55.39	62.28	63.66	71.65	73.30
1.179	28	4.912	33	5.790	38.44	39.82	41.20	42.58	43.95	46.71	53.32	56.63	57.73	60.49	67.38	68.76	76.75	78.40
1.182	33	5.790	39	6.842	36.93	38.31	39.68	41.06	42.44	45.20	51.81	55.12	56.22	58.97	65.86	67.24	75.23	76.89
1.183	60	10.527	71	12.457	28.78	30.16	31.54	32.92	34.29	37.06	43.67	46.98	48.08	50.83	57.73	59.11	67.10	68.75
1.184	38	6.667	45	7.895	35.41	36.79	38.16	39.54	40.92	43.68	50.29	53.60	54.70	57.45	64.35	65.73	73.72	75.37
1.188	32	5.614	38	6.667	37.20	38.58	39.96	41.34	42.71	45.47	52.08	55.39	56.49	59.25	66.14	67.52	75.51	77.16
1.189	53	9.299	63	11.053	30.85	32.23	33.61	34.99	36.37	39.13	45.74	49.05	50.15	52.90	59.79	61.17	69.17	70.82
1.190	63	11.053	75	13.158	27.81	29.20	30.57	31.95	33.33	36.09	42.70	46.01	47.11	49.87	56.76	58.14	66.13	67.79
1.194	31	5.439	37	6.492	37.48	38.86	40.23	41.61	42.99	45.75	52.36	55.67	56.77	59.52	66.41	67.79	75.78	77.44
1.194	36	6.316	43	7.544	35.96	37.34	38.71	40.09	41.47	44.23	50.84	54.15	55.25	58.01	64.90	66.28	74.27	75.92
1.194	67	11.755	80	14.036	26.57	27.95	29.33	30.71	32.08	34.85	41.46	44.77	45.87	48.63	55.52	56.90	64.89	66.54
1.196	56	9.825	67	11.755	29.89	31.27	32.64	34.02	35.40	38.16	44.77	48.08	49.18	51.94	58.83	60.21	68.20	69.85
1.200	30	5.263	36	6.316	37.75	39.13	40.51	41.89	43.26	46.02	52.63	55.94	57.04	59.80	66.69	68.07	76.06	77.71
1.200	40	7.018	48	8.421	34.72	36.10	37.47	38.85	40.23	42.99	49.60	52.91	54.01	56.76	63.66	65.04	73.03	74.68
1.200	50	8.772	60	10.527	31.68	33.06	34.44	35.82	37.19	39.95	46.56	49.87	50.98	53.73	60.62	62.00	69.99	71.65
1.200	75	13.158	90	15.790	24.08	25.46	26.84	28.22	29.60	32.36	38.97	42.28	43.38	46.14	53.03	54.41	62.41	64.06
1.207	29	5.088	35	6.141	38.03	39.41	40.78	42.16	43.54	46.30	52.91	56.22	57.32	60.07	66.96	68.34	76.33	77.99
1.212	33	5.790	40	7.018	36.79	38.17	39.54	40.92	42.30	45.06	51.67	54.98	56.08	58.83	65.72	67.10	75.09	76.75
1.214	28	4.912	34	5.965	38.30	39.68	41.06	42.44	43.81	46.57	53.18	56.49	57.59	60.35	67.24	68.62	76.61	78.27
1.216	37	6.492	45	7.895	35.54	36.92	38.30	39.68	41.05	43.81	50.43	53.74	54.84	57.59	64.48	65.86	73.85	75.51
1.219	32	5.614	39	6.842	37.06	38.44	39.82	41.20	42.57	45.33	51.94	55.25	56.35	59.11	66.00	67.38	75.37	77.02
1.226	31	5.439	38	6.667	37.34	38.72	40.09	41.47	42.85	45.61	52.22	55.53	56.63	59.38	66.27	67.65	75.64	77.30
1.229	35	6.141	43	7.544	36.10	37.48	38.85	40.23	41.61	44.37	50.98	54.29	55.39	58.14	65.03	66.41	74.40	76.06
1.231	39	6.842	48	8.421	34.85	36.23	37.61	38.99	40.36	43.13	49.74	53.05	54.15	56.90	63.79	65.17	73.16	74.82
1.233	30	5.263	37	6.492	37.61	38.99	40.37	41.75	43.12	45.88	52.49	55.80	56.90	59.66	66.55	67.93	75.92	77.58
1.233	43	7.544	53	9.299	33.61	34.99	36.37	37.75	39.12	41.88	48.49	51.80	52.90	55.66	62.55	63.93	71.92	73.58
1.241	29	5.088	36	6.316	37.89	39.27	40.64	42.02	43.40	46.16	52.77	56.08	57.18	59.94	66.83	68.21	76.20	77.85
1.244	45	7.895	56	9.825	32.92	34.30	35.67	37.06	38.43	41.19	47.80	51.11	52.21	54.97	61.86	63.24	71.23	72.89
1.250	28	4.912	35	6.141	38.16	39.54	40.92	42.30	43.67	46.43	53.05	56.36	57.46	60.21	67.10	68.48	76.47	78.13
1.250	32	5.614	40	7.018	36.92	38.30	39.68	41.06	42.43	45.19	51.80	55.11	56.21	58.97	65.86	67.24	75.23	76.89
1.250	36	6.316	45	7.895	35.68	37.06	38.44	39.82	41.19	43.95	50.56	53.87	54.97	57.73	64.62	66.00	73.99	75.64
1.250	40	7.018	50	8.772	34.44	35.82	37.19	38.57	39.95	42.71	49.32	52.63	53.73	56.49	63.38	64.76	72.75	74.40
1.250	48	8.421	60	10.527	31.95	33.33	34.71	36.09	37.46	40.22	46.84	50.15	51.25	54.00	60.89	62.27	70.27	71.92
1.250	60	10.527	75	13.158	28.22	29.60	30.97	32.36	33.73	36.49	43.11	46.42	47.52	50.28	57.17	58.55	66.54	68.20
1.258	31	5.439	39	6.842	37.20	38.58	39.95	41.33	42.71	45.47	52.08	55.39	56.49	59.25	66.14	67.52	75.51	77.16
1.260	50	8.772	63	11.053	31.26	32.64	34.02	35.40	36.77	39.53	46.15	49.46	50.56	53.31	60.20	61.58	69.58	71.23
1.263	38	6.667	48	8.421	34.99	36.37	37.74	39.13	40.50	43.26	49.87	53.18	54.28	57.04	63.93	65.31	73.30	74.95
Length Factor*					1.01	1.02	1.03	1.04	1.05	1.07	1.12	1.14	1.14	1.16	1.19	1.20	1.24	1.25

* The length correction factor must be used to determine the proper belt width.

DODGE

14M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches												
	Driver		Driven		994-14MX	1120-14MX	1190-14MX	1260-14MX	1400-14MX	1568-14MX	1610-14MX	1750-14MX	1890-14MX	1960-14MX	2100-14MX	2240-14MX	2310-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches													
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**
1.264	53	9.299	67	11.755						14.28	15.11	17.87	20.63	22.01	24.77	27.53	28.91
1.265	34	5.965	43	7.544	8.92	11.41	12.79	14.17	16.93	20.24	21.07	23.83	26.58	27.96	30.72	33.48	34.85
1.267	30	5.263	38	6.667	10.17	12.66	14.04	15.42	18.18	21.48	22.31	25.07	27.83	29.21	31.96	34.72	36.09
1.268	56	9.825	71	12.457						13.30	14.13	16.90	19.66	21.04	23.80	26.56	27.94
1.268	71	12.457	90	15.790									14.93	16.31	19.08	21.85	23.23
1.270	63	11.053	80	14.036								14.67	17.44	18.82	21.58	24.34	25.72
1.276	29	5.088	37	6.492	10.45	12.93	14.31	15.69	18.45	21.76	22.59	25.35	28.10	29.48	32.24	34.99	36.37
1.282	39	6.842	50	8.772		9.73	11.12	12.50	15.27	18.58	19.41	22.17	24.92	26.30	29.06	31.82	33.19
1.286	28	4.912	36	6.316	10.72	13.21	14.59	15.97	18.73	22.04	22.87	25.62	28.38	29.76	32.51	35.27	36.64
1.286	35	6.141	45	7.895	8.50	10.99	12.37	13.75	16.51	19.82	20.65	23.41	26.17	27.55	30.30	33.06	34.43
1.290	31	5.439	40	7.018	9.75	12.24	13.62	15.00	17.76	21.07	21.90	24.65	27.41	28.79	31.55	34.30	35.68
1.297	37	6.492	48	8.421		10.29	11.67	13.06	15.82	19.13	19.96	22.72	25.47	26.86	29.61	32.37	33.74
1.300	30	5.263	39	6.842	10.03	12.51	13.90	15.28	18.04	21.34	22.17	24.93	27.69	29.07	31.82	34.58	35.95
1.302	43	7.544	56	9.825			9.72	11.10	13.87	17.19	18.02	20.78	23.54	24.92	27.67	30.43	31.81
1.303	33	5.790	43	7.544	9.05	11.54	12.92	14.31	17.06	20.37	21.20	23.96	26.72	28.10	30.86	33.61	34.99
1.310	29	5.088	38	6.667	10.30	12.79	14.17	15.55	18.31	21.62	22.45	25.21	27.96	29.34	32.10	34.85	36.23
1.313	48	8.421	63	11.053					12.19	15.51	16.35	19.11	21.87	23.25	26.01	28.77	30.15
1.316	38	6.667	50	8.772		9.86	11.25	12.64	15.40	18.71	19.54	22.30	25.06	26.44	29.20	31.95	33.33
1.321	28	4.912	37	6.492	10.58	13.06	14.45	15.83	18.59	21.89	22.72	25.48	28.24	29.62	32.37	35.13	36.50
1.324	34	5.965	45	7.895	8.63	11.12	12.50	13.89	16.65	19.96	20.79	23.54	26.30	27.68	30.44	33.20	34.57
1.325	40	7.018	53	9.299		9.16	10.55	11.94	14.70	18.01	18.85	21.60	24.36	25.74	28.50	31.26	32.63
1.333	30	5.263	40	7.018	9.88	12.37	13.75	15.13	17.89	21.20	22.03	24.79	27.55	28.93	31.68	34.44	35.81
1.333	36	6.316	48	8.421		10.42	11.80	13.19	15.95	19.26	20.09	22.85	25.61	26.99	29.75	32.50	33.88
1.333	45	7.895	60	10.527				10.25	13.02	16.34	17.18	19.94	22.70	24.08	26.84	29.60	30.97
1.333	60	10.527	80	14.036								15.06	17.83	19.21	21.98	24.74	26.12
1.339	56	9.825	75	13.158						12.70	13.54	16.31	19.08	20.47	23.23	25.99	27.37
1.340	50	8.772	67	11.755					11.34	14.67	15.50	18.27	21.03	22.41	25.17	27.93	29.31
1.340	53	9.299	71	12.457						13.69	14.52	17.29	20.06	21.44	24.20	26.96	28.34
1.343	67	11.755	90	15.790									15.44	16.83	19.60	22.37	23.75
1.344	32	5.614	43	7.544	9.18	11.67	13.06	14.44	17.20	20.51	21.34	24.10	26.85	28.23	30.99	33.75	35.12
1.345	29	5.088	39	6.842	10.16	12.64	14.03	15.41	18.17	21.48	22.31	25.06	27.82	29.20	31.96	34.71	36.09
1.351	37	6.492	50	8.772		9.99	11.38	12.77	15.53	18.84	19.67	22.43	25.19	26.57	29.33	32.09	33.46
1.357	28	4.912	38	6.667	10.43	12.92	14.30	15.69	18.45	21.75	22.58	25.34	28.10	29.48	32.23	34.99	36.37
1.359	39	6.842	53	9.299		9.29	10.68	12.07	14.83	18.15	18.98	21.74	24.50	25.88	28.64	31.39	32.77
1.364	33	5.790	45	7.895	8.75	11.25	12.63	14.02	16.78	20.09	20.92	23.68	26.44	27.82	30.57	33.33	34.71
1.371	35	6.141	48	8.421	8.05	10.55	11.93	13.32	16.08	19.39	20.23	22.98	25.74	27.12	29.88	32.64	34.01
1.379	29	5.088	40	7.018	10.01	12.50	13.88	15.27	18.03	21.34	22.17	24.92	27.68	29.06	31.82	34.57	35.95
1.387	31	5.439	43	7.544	9.31	11.80	13.19	14.57	17.33	20.64	21.47	24.23	26.99	28.37	31.13	33.88	35.26
1.389	36	6.316	50	8.772		10.12	11.51	12.90	15.66	18.98	19.81	22.57	25.33	26.71	29.46	32.22	33.60
1.393	28	4.912	39	6.842	10.29	12.78	14.16	15.54	18.30	21.61	22.44	25.20	27.96	29.34	32.09	34.85	36.23
1.395	38	6.667	53	9.299		9.41	10.81	12.19	14.96	18.28	19.11	21.87	24.63	26.01	28.77	31.53	32.90
1.395	43	7.544	60	10.527				10.51	13.28	16.61	17.44	20.20	22.96	24.35	27.11	29.86	31.24
1.396	48	8.421	67	11.755					11.59	14.93	15.76	18.53	21.29	22.68	25.44	28.20	29.58
1.400	40	7.018	56	9.825			10.10	11.49	14.26	17.58	18.41	21.18	23.94	25.32	28.08	30.83	32.21
1.400	45	7.895	63	11.053					12.58	15.90	16.74	19.50	22.27	23.65	26.41	29.17	30.55
1.400	80	14.036	112	19.650												17.41	18.80
1.406	32	5.614	45	7.895	8.88	11.38	12.76	14.15	16.91	20.22	21.05	23.81	26.57	27.95	30.71	33.47	34.84
1.412	34	5.965	48	8.421	8.17	10.68	12.06	13.45	16.21	19.53	20.36	23.12	25.88	27.26	30.02	32.77	34.15
1.415	53	9.299	75	13.158						13.08	13.92	16.70	19.47	20.86	23.62	26.39	27.77
1.420	50	8.772	71	12.457						14.07	14.91	17.68	20.45	21.83	24.60	27.36	28.74
1.429	28	4.912	40	7.018	10.14	12.63	14.02	15.40	18.16	21.47	22.30	25.06	27.82	29.20	31.95	34.71	36.08
1.429	35	6.141	50	8.772		10.25	11.64	13.03	15.79	19.11	19.94	22.70	25.46	26.84	29.60	32.36	33.73
1.429	56	9.825	80	14.036							12.78	15.57	18.34	19.73	22.50	25.27	26.65
1.429	63	11.053	90	15.790									15.95	17.34	20.12	22.89	24.27
1.432	37	6.492	53	9.299		9.54	10.93	12.32	15.09	18.41	19.24	22.00	24.76	26.15	28.90	31.66	33.04
1.433	30	5.263	43	7.544	9.44	11.93	13.32	14.70	17.46	20.78	21.61	24.36	27.12	28.50	31.26	34.02	35.39
1.436	39	6.842	56	9.825			10.23	11.62	14.39	17.71	18.54	21.31	24.07	25.45	28.21	30.97	32.35
1.452	31	5.439	45	7.895	9.01	11.51	12.89	14.28	17.04	20.36	21.19	23.95	26.70	28.09	30.84	33.60	34.98
1.455	33	5.790	48	8.421	8.30	10.80	12.19	13.58	16.35	19.66	20.49	23.25	26.01	27.39	30.15	32.91	34.28
1.465	43	7.544	63	11.053				10.05	12.83	16.16	17.00	19.77	22.53	23.91	26.68	29.44	30.81
1.471	34	5.965	50	8.772		10.38	11.77	13.16	15.92	19.24	20.07	22.83	25.59	26.97	29.73	32.49	33.87
1.472	36	6.316	53	9.299		9.67	11.06	12.45	15.22	18.54	19.37	22.14	24.90	26.28	29.04	31.80	33.17
1.474	38	6.667	56	9.825		8.95	10.35	11.75	14.52	17.84	18.68	21.44	24.20	25.58	28.34	31.10	32.48
1.479	48	8.421	71	12.457						14.33	15.16	17.94	20.71	22.10	24.86	27.62	29.00
1.483	29	5.088	43	7.544	9.56	12.06	13.45	14.83	17.60	20.91	21.74	24.50	27.26	28.64	31.39	34.15	35.53
1.489	45	7.895	67	11.755					11.97	15.31	16.15	18.92	21.69	23.07	25.83	28.60	29.97
1.493	75	13.158	112	19.650												18.03	19.43
1.500	30	5.263	45	7.895	9.14	11.64	13.02	14.41	17.18	20.49	21.32	24.08	26.84	28.22	30.98	33.74	35.11
1.500	32	5.614	48	8.421	8.42	10.93	12.32	13.71	16.48	19.79	20.62	23.38	26.14	27.53	30.28	33.04	34.42
1.500	40	7.018	60	10.527			9.48	10.88	13.67	16.99	17.83	20.60	23.36	24.74	27.50	30.26	31.64
1.500	50	8.772	75	13.158						13.46	14.30	17.09	19.86	21.25	24.02	26.78	28.16
1.500	60	10.527	90	15.790								13.52	16.32	17.72	20.50	23.28	24.66
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

14M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		2380-14MX	2450-14MX	2520-14MX	2590-14MX	2660-14MX	2800-14MX	3136-14MX	3304-14MX	3360-14MX	3500-14MX	3850-14MX	3920-14MX	4326-14MX	4410-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.07**	**1.12**	**1.14**	**1.14**	**1.16**	**1.19**	**1.20**	**1.24**	**1.25**
1.264	53	9.299	67	11.755	30.29	31.67	33.05	34.43	35.80	38.56	45.18	48.49	49.59	52.34	59.24	60.62	68.61	70.26
1.265	34	5.965	43	7.544	36.23	37.61	38.99	40.37	41.74	44.50	51.11	54.42	55.52	58.28	65.17	66.55	74.54	76.20
1.267	30	5.263	38	6.667	37.47	38.85	40.23	41.61	42.98	45.74	52.36	55.67	56.77	59.52	66.41	67.79	75.78	77.44
1.268	56	9.825	71	12.457	29.32	30.70	32.08	33.46	34.83	37.60	44.21	47.52	48.62	51.38	58.27	59.65	67.64	69.30
1.268	71	12.457	90	15.790	24.61	25.99	27.37	28.75	30.13	32.89	39.51	42.82	43.92	46.68	53.57	54.95	62.95	64.60
1.270	63	11.053	80	14.036	27.10	28.49	29.86	31.24	32.62	35.38	42.00	45.31	46.41	49.17	56.06	57.44	65.43	67.09
1.276	29	5.088	37	6.492	37.75	39.13	40.50	41.88	43.26	46.02	52.63	55.94	57.04	59.80	66.69	68.07	76.06	77.71
1.282	39	6.842	50	8.772	34.57	35.95	37.33	38.71	40.09	42.85	49.46	52.77	53.87	56.62	63.51	64.89	72.89	74.54
1.286	28	4.912	36	6.316	38.03	39.41	40.78	42.16	43.54	46.30	52.91	56.22	57.32	60.07	66.96	68.34	76.33	77.99
1.286	35	6.141	45	7.895	35.82	37.20	38.57	39.95	41.33	44.09	50.70	54.01	55.11	57.86	64.76	66.14	74.13	75.78
1.290	31	5.439	40	7.018	37.06	38.44	39.81	41.19	42.57	45.33	51.94	55.25	56.35	59.11	66.00	67.38	75.37	77.02
1.297	37	6.492	48	8.421	35.12	36.50	37.88	39.26	40.64	43.40	50.01	53.32	54.42	57.17	64.07	65.45	73.44	75.09
1.300	30	5.263	39	6.842	37.33	38.71	40.09	41.47	42.85	45.61	52.22	55.53	56.63	59.38	66.27	67.65	75.64	77.30
1.302	43	7.544	56	9.825	33.19	34.57	35.95	37.33	38.70	41.46	48.07	51.39	52.49	55.24	62.13	63.51	71.50	73.16
1.303	33	5.790	43	7.544	36.37	37.75	39.12	40.50	41.88	44.64	51.25	54.56	55.66	58.42	65.31	66.69	74.68	76.33
1.310	29	5.088	38	6.667	37.61	38.99	40.36	41.75	43.12	45.88	52.49	55.80	56.90	59.66	66.55	67.93	75.92	77.57
1.313	48	8.421	63	11.053	31.53	32.91	34.28	35.67	37.04	39.80	46.42	49.73	50.83	53.58	60.48	61.86	69.85	71.50
1.316	38	6.667	50	8.772	34.71	36.09	37.46	38.84	40.22	42.98	49.59	52.90	54.00	56.76	63.65	65.03	73.02	74.68
1.321	28	4.912	37	6.492	37.89	39.27	40.64	42.02	43.40	46.16	52.77	56.08	57.18	59.93	66.82	68.20	76.19	77.85
1.324	34	5.965	45	7.895	35.95	37.33	38.71	40.09	41.46	44.22	50.84	54.15	55.25	58.00	64.89	66.27	74.26	75.92
1.325	40	7.018	53	9.299	34.02	35.40	36.77	38.15	39.53	42.29	48.90	52.21	53.31	56.07	62.96	64.34	72.33	73.99
1.333	30	5.263	40	7.018	37.19	38.57	39.95	41.33	42.71	45.47	52.08	55.39	56.49	59.24	66.13	67.51	75.50	77.16
1.333	36	6.316	48	8.421	35.26	36.64	38.02	39.40	40.77	43.53	50.14	53.46	54.56	57.31	64.20	65.58	73.57	75.23
1.333	45	7.895	60	10.527	32.35	33.74	35.11	36.49	37.87	40.63	47.24	50.55	51.65	54.41	61.30	62.68	70.67	72.33
1.333	60	10.527	80	14.036	27.50	28.88	30.26	31.64	33.02	35.79	42.40	45.71	46.82	49.57	56.47	57.85	65.84	67.50
1.339	56	9.825	75	13.158	28.75	30.13	31.51	32.89	34.27	37.03	43.65	46.96	48.06	50.82	57.71	59.09	67.08	68.74
1.340	50	8.772	67	11.755	30.69	32.07	33.45	34.83	36.21	38.97	45.58	48.90	50.00	52.75	59.64	61.02	69.02	70.67
1.340	53	9.299	71	12.457	29.72	31.10	32.48	33.86	35.24	38.00	44.61	47.93	49.03	51.78	58.68	60.06	68.05	69.70
1.343	67	11.755	90	15.790	25.14	26.52	27.90	29.28	30.66	33.43	40.05	43.36	44.46	47.22	54.11	55.49	63.49	65.14
1.344	32	5.614	43	7.544	36.50	37.88	39.26	40.64	42.01	44.78	51.39	54.70	55.80	58.55	65.44	66.82	74.81	76.47
1.345	29	5.088	39	6.842	37.47	38.85	40.23	41.61	42.98	45.74	52.35	55.66	56.76	59.52	66.41	67.79	75.78	77.44
1.351	37	6.492	50	8.772	34.84	36.22	37.60	38.98	40.36	43.12	49.73	53.04	54.14	56.90	63.79	65.17	73.16	74.81
1.357	28	4.912	38	6.667	37.75	39.13	40.50	41.88	43.26	46.02	52.63	55.94	57.04	59.79	66.69	68.07	76.06	77.71
1.359	39	6.842	53	9.299	34.15	35.53	36.91	38.29	39.66	42.43	49.04	52.35	53.45	56.20	63.10	64.48	72.47	74.12
1.364	33	5.790	45	7.895	36.09	37.47	38.84	40.22	41.60	44.36	50.97	54.28	55.38	58.14	65.03	66.41	74.40	76.05
1.371	35	6.141	48	8.421	35.39	36.78	38.15	39.53	40.91	43.67	50.28	53.59	54.69	57.45	64.34	65.72	73.71	75.36
1.379	29	5.088	40	7.018	37.33	38.71	40.09	41.47	42.84	45.60	52.21	55.52	56.62	59.38	66.27	67.65	75.64	77.30
1.387	31	5.439	43	7.544	36.64	38.02	39.39	40.77	42.15	44.91	51.52	54.83	55.93	58.69	65.58	66.96	74.95	76.61
1.389	36	6.316	50	8.772	34.98	36.36	37.73	39.12	40.49	43.25	49.86	53.18	54.28	57.03	63.92	65.30	73.29	74.95
1.393	28	4.912	39	6.842	37.61	38.99	40.36	41.74	43.12	45.88	52.49	55.80	56.90	59.66	66.55	67.93	75.92	77.57
1.395	38	6.667	53	9.299	34.29	35.67	37.04	38.42	39.80	42.56	49.17	52.48	53.58	56.34	63.23	64.61	72.60	74.26
1.395	43	7.544	60	10.527	32.62	34.00	35.38	36.76	38.14	40.90	47.51	50.83	51.93	54.68	61.57	62.95	70.95	72.60
1.396	48	8.421	67	11.755	30.96	32.34	33.72	35.10	36.48	39.24	45.85	49.17	50.27	53.02	59.92	61.30	69.29	70.94
1.400	40	7.018	56	9.825	33.59	34.97	36.35	37.73	39.11	41.87	48.48	51.79	52.89	55.65	62.54	63.92	71.91	73.57
1.400	45	7.895	63	11.053	31.93	33.31	34.69	36.07	37.44	40.21	46.82	50.13	51.23	53.99	60.88	62.26	70.26	71.91
1.400	80	14.036	112	19.650	20.20	21.59	22.98	24.37	25.75	28.52	35.16	38.48	39.58	42.35	49.25	50.63	58.63	60.29
1.406	32	5.614	45	7.895	36.22	37.60	38.98	40.36	41.73	44.50	51.11	54.42	55.52	58.27	65.17	66.55	74.54	76.19
1.412	34	5.965	48	8.421	35.53	36.91	38.29	39.67	41.04	43.80	50.42	53.73	54.83	57.58	64.47	65.85	73.85	75.50
1.415	53	9.299	75	13.158	29.15	30.53	31.91	33.29	34.67	37.43	44.05	47.36	48.46	51.22	58.12	59.50	67.49	69.15
1.420	50	8.772	71	12.457	30.12	31.50	32.88	34.26	35.64	38.40	45.02	48.33	49.43	52.19	59.08	60.46	68.46	70.11
1.429	28	4.912	40	7.018	37.47	38.85	40.22	41.60	42.98	45.74	52.35	55.66	56.76	59.52	66.41	67.79	75.78	77.43
1.429	35	6.141	50	8.772	35.11	36.49	37.87	39.25	40.63	43.39	50.00	53.31	54.41	57.17	64.06	65.44	73.43	75.09
1.429	56	9.825	80	14.036	28.03	29.41	30.79	32.18	33.55	36.32	42.94	46.25	47.35	50.11	57.01	58.39	66.38	68.04
1.429	63	11.053	90	15.790	25.66	27.04	28.42	29.81	31.19	33.95	40.58	43.89	45.00	47.75	54.65	56.03	64.03	65.68
1.432	37	6.492	53	9.299	34.42	35.80	37.18	38.56	39.93	42.69	49.31	52.62	53.72	56.48	63.37	64.75	72.74	74.39
1.433	30	5.263	43	7.544	36.77	38.15	39.53	40.91	42.29	45.05	51.66	54.97	56.07	58.83	65.72	67.10	75.09	76.74
1.436	39	6.842	56	9.825	33.73	35.11	36.48	37.87	39.24	42.00	48.62	51.93	53.03	55.78	62.68	64.06	72.05	73.70
1.452	31	5.439	45	7.895	36.36	37.74	39.11	40.49	41.87	44.63	51.24	54.55	55.65	58.41	65.30	66.68	74.67	76.33
1.455	33	5.790	48	8.421	35.66	37.05	38.42	39.80	41.18	43.94	50.55	53.86	54.96	57.72	64.61	65.99	73.98	75.64
1.465	43	7.544	63	11.053	32.20	33.58	34.95	36.34	37.71	40.48	47.09	50.40	51.50	54.26	61.15	62.53	70.53	72.18
1.471	34	5.965	50	8.772	35.25	36.63	38.00	39.39	40.76	43.52	50.14	53.45	54.55	57.30	64.20	65.58	73.57	75.22
1.472	36	6.316	53	9.299	34.55	35.94	37.31	38.69	40.07	42.83	49.44	52.75	53.86	56.61	63.50	64.88	72.88	74.53
1.474	38	6.667	56	9.825	33.86	35.24	36.62	38.00	39.38	42.14	48.75	52.06	53.16	55.92	62.81	64.19	72.18	73.84
1.479	48	8.421	71	12.457	30.39	31.77	33.15	34.53	35.91	38.67	45.29	48.60	49.70	52.46	59.35	60.73	68.73	70.38
1.483	29	5.088	43	7.544	36.91	38.29	39.66	41.05	42.42	45.18	51.79	55.11	56.21	58.96	65.85	67.23	75.22	76.88
1.489	45	7.895	67	11.755	31.36	32.74	34.12	35.50	36.88	39.64	46.26	49.57	50.67	53.43	60.32	61.70	69.70	71.35
1.493	75	13.158	112	19.650	20.83	22.23	23.61	25.01	26.39	29.17	35.82	39.14	40.24	43.01	49.91	51.29	59.30	60.96
1.500	30	5.263	45	7.895	36.49	37.87	39.25	40.63	42.01	44.77	51.38	54.69	55.79	58.55	65.44	66.82	74.81	76.46
1.500	32	5.614	48	8.421	35.80	37.18	38.56	39.94	41.31	44.07	50.69	54.00	55.10	57.85	64.75	66.13	74.12	75.77
1.500	40	7.018	60	10.527	33.02	34.41	35.78	37.16	38.54	41.30	47.92	51.23	52.33	55.09	61.98	63.36	71.35	73.01
1.500	50	8.772	75	13.158	29.54	30.93	32.31	33.69	35.07	37.83	44.45	47.77	48.87	51.62	58.52	59.90	67.90	69.55
1.500	60	10.527	90	15.790	26.05	27.43	28.82	30.20	31.58	34.35	40.98	44.29	45.39	48.15	55.05	56.43	64.43	66.09
Length Factor*					**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.07**	**1.12**	**1.14**	**1.14**	**1.16**	**1.19**	**1.20**	**1.24**	**1.25**

* The length correction factor must be used to determine the proper belt width.

14M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches												
	Driver		Driven		994-14MX	1120-14MX	1190-14MX	1260-14MX	1400-14MX	1568-14MX	1610-14MX	1750-14MX	1890-14MX	1960-14MX	2100-14MX	2240-14MX	2310-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches													
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**
1.509	53	9.299	80	14.036							13.15	15.95	18.73	20.12	22.89	25.66	27.04
1.514	35	6.141	53	9.299		9.79	11.19	12.58	15.35	18.67	19.50	22.27	25.03	26.41	29.17	31.93	33.31
1.514	37	6.492	56	9.825		9.08	10.48	11.87	14.65	17.97	18.81	21.57	24.33	25.72	28.48	31.24	32.61
1.515	33	5.790	50	8.772	7.99	10.50	11.89	13.28	16.05	19.37	20.20	22.96	25.72	27.11	29.87	32.62	34.00
1.536	28	4.912	43	7.544	9.69	12.19	13.58	14.96	17.73	21.04	21.87	24.63	27.39	28.77	31.53	34.29	35.66
1.538	39	6.842	60	10.527			9.61	11.01	13.80	17.12	17.96	20.73	23.49	24.88	27.64	30.40	31.78
1.548	31	5.439	48	8.421	8.55	11.06	12.45	13.84	16.61	19.92	20.76	23.52	26.28	27.66	30.42	33.18	34.55
1.552	29	5.088	45	7.895	9.26	11.76	13.15	14.54	17.31	20.62	21.45	24.21	26.97	28.35	31.11	33.87	35.25
1.556	36	6.316	56	9.825		9.20	10.60	12.00	14.78	18.10	18.94	21.70	24.46	25.85	28.61	31.37	32.75
1.558	43	7.544	67	11.755					12.22	15.56	16.40	19.18	21.95	23.33	26.10	28.86	30.24
1.559	34	5.965	53	9.299		9.92	11.31	12.71	15.48	18.80	19.64	22.40	25.16	26.54	29.30	32.06	33.44
1.563	32	5.614	50	8.772	8.11	10.63	12.02	13.41	16.18	19.50	20.33	23.10	25.86	27.24	30.00	32.76	34.13
1.563	48	8.421	75	13.158						13.71	14.55	17.34	20.12	21.51	24.28	27.04	28.42
1.575	40	7.018	63	11.053				10.42	13.21	16.55	17.38	20.16	22.92	24.31	27.07	29.83	31.21
1.577	71	12.457	112	19.650												18.53	19.93
1.578	45	7.895	71	12.457					11.35	14.70	15.54	18.32	21.10	22.48	25.25	28.02	29.40
1.579	38	6.667	60	10.527			9.73	11.13	13.92	17.25	18.09	20.86	23.62	25.01	27.77	30.53	31.91
1.600	30	5.263	48	8.421	8.67	11.19	12.58	13.97	16.74	20.06	20.89	23.65	26.41	27.79	30.55	33.31	34.69
1.600	35	6.141	56	9.825		9.32	10.73	12.13	14.91	18.23	19.07	21.83	24.60	25.98	28.74	31.50	32.88
1.600	50	8.772	80	14.036						12.68	13.52	16.32	19.11	20.50	23.28	26.05	27.43
1.606	33	5.790	53	9.299		10.04	11.44	12.83	15.61	18.93	19.77	22.53	25.29	26.68	29.44	32.20	33.57
1.607	28	4.912	45	7.895	9.39	11.89	13.28	14.67	17.44	20.75	21.58	24.35	27.11	28.49	31.25	34.00	35.38
1.607	56	9.825	90	15.790								14.01	16.82	18.22	21.01	23.79	25.18
1.613	31	5.439	50	8.772	8.23	10.75	12.15	13.54	16.31	19.63	20.47	23.23	25.99	27.37	30.13	32.89	34.27
1.615	39	6.842	63	11.053				10.54	13.34	16.68	17.51	20.29	23.05	24.44	27.20	29.97	31.34
1.622	37	6.492	60	10.527			9.85	11.26	14.05	17.38	18.22	20.99	23.75	25.14	27.90	30.66	32.04
1.647	34	5.965	56	9.825		9.45	10.85	12.25	15.03	18.36	19.20	21.96	24.73	26.11	28.87	31.63	33.01
1.651	43	7.544	71	12.457					11.59	14.95	15.79	18.58	21.35	22.74	25.51	28.28	29.66
1.655	29	5.088	48	8.421	8.80	11.31	12.71	14.10	16.87	20.19	21.02	23.78	26.54	27.93	30.68	33.44	34.82
1.656	32	5.614	53	9.299		10.16	11.57	12.96	15.74	19.06	19.90	22.66	25.43	26.81	29.57	32.33	33.71
1.658	38	6.667	63	11.053				10.66	13.46	16.80	17.64	20.41	23.18	24.57	27.33	30.10	31.48
1.667	30	5.263	50	8.772	8.36	10.88	12.28	13.67	16.44	19.76	20.60	23.36	26.12	27.51	30.27	33.03	34.40
1.667	36	6.316	60	10.527			9.97	11.38	14.17	17.51	18.35	21.12	23.88	25.27	28.03	30.79	32.17
1.667	45	7.895	75	13.158						14.08	14.93	17.72	20.50	21.89	24.66	27.43	28.81
1.667	48	8.421	80	14.036						12.92	13.77	16.57	19.36	20.76	23.53	26.31	27.69
1.672	67	11.755	112	19.650											16.19	19.02	20.42
1.675	40	7.018	67	11.755					12.59	15.94	16.78	19.56	22.34	23.72	26.49	29.25	30.63
1.697	33	5.790	56	9.825		9.57	10.98	12.38	15.16	18.49	19.33	22.09	24.86	26.24	29.01	31.77	33.14
1.698	53	9.299	90	15.790								14.38	17.19	18.60	21.39	24.17	25.56
1.703	37	6.492	63	11.053				10.78	13.59	16.93	17.77	20.54	23.31	24.70	27.47	30.23	31.61
1.710	31	5.439	53	9.299		10.29	11.69	13.09	15.87	19.19	20.03	22.79	25.56	26.94	29.70	32.46	33.84
1.714	28	4.912	48	8.421	8.92	11.44	12.83	14.22	17.00	20.32	21.15	23.91	26.68	28.06	30.82	33.58	34.95
1.714	35	6.141	60	10.527			10.09	11.50	14.30	17.64	18.47	21.25	24.01	25.40	28.16	30.93	32.30
1.718	39	6.842	67	11.755					12.72	16.07	16.91	19.69	22.46	23.85	26.62	29.39	30.77
1.724	29	5.088	50	8.772	8.48	11.00	12.40	13.80	16.57	19.89	20.73	23.49	26.25	27.64	30.40	33.16	34.54
1.744	43	7.544	75	13.158						14.33	15.18	17.97	20.76	22.15	24.92	27.69	29.08
1.750	32	5.614	56	9.825		9.69	11.10	12.50	15.29	18.62	19.46	22.22	24.99	26.38	29.14	31.90	33.28
1.750	36	6.316	63	11.053			9.49	10.91	13.71	17.06	17.90	20.67	23.44	24.83	27.60	30.36	31.74
1.750	80	14.036	140	24.562													
1.763	38	6.667	67	11.755				10.01	12.84	16.20	17.04	19.82	22.59	23.98	26.75	29.52	30.90
1.765	34	5.965	60	10.527			10.22	11.63	14.43	17.77	18.60	21.38	24.14	25.53	28.30	31.06	32.44
1.767	30	5.263	53	9.299		10.41	11.82	13.21	16.00	19.32	20.16	22.92	25.69	27.07	29.83	32.60	33.97
1.775	40	7.018	71	12.457					11.95	15.33	16.17	18.96	21.74	23.13	25.90	28.67	30.05
1.778	45	7.895	80	14.036						13.28	14.14	16.95	19.74	21.14	23.92	26.69	28.08
1.778	63	11.053	112	19.650											16.67	19.51	20.91
1.786	28	4.912	50	8.772	8.60	11.13	12.53	13.92	16.70	20.02	20.86	23.62	26.39	27.77	30.53	33.29	34.67
1.800	35	6.141	63	11.053			9.61	11.03	13.84	17.19	18.02	20.80	23.57	24.96	27.73	30.49	31.87
1.800	50	8.772	90	15.790								14.74	17.56	18.97	21.77	24.55	25.94
1.806	31	5.439	56	9.825		9.81	11.22	12.63	15.42	18.75	19.58	22.35	25.12	26.51	29.27	32.03	33.41
1.811	37	6.492	67	11.755				10.13	12.96	16.32	17.16	19.94	22.72	24.11	26.88	29.65	31.03
1.818	33	5.790	60	10.527		8.91	10.34	11.75	14.55	17.89	18.73	21.50	24.27	25.66	28.43	31.19	32.57
1.821	39	6.842	71	12.457					12.07	15.45	16.30	19.09	21.87	23.26	26.03	28.80	30.18
1.828	29	5.088	53	9.299	7.99	10.53	11.94	13.34	16.12	19.45	20.29	23.05	25.82	27.20	29.97	32.73	34.11
1.853	34	5.965	63	11.053			9.72	11.15	13.96	17.31	18.15	20.93	23.70	25.09	27.86	30.62	32.00
1.860	43	7.544	80	14.036						13.52	14.38	17.19	19.99	21.39	24.17	26.95	28.33
1.861	36	6.316	67	11.755				10.25	13.08	16.45	17.29	20.07	22.85	24.24	27.01	29.78	31.16
1.867	30	5.263	56	9.825		9.93	11.34	12.75	15.54	18.88	19.71	22.48	25.25	26.64	29.40	32.16	33.54
1.867	60	10.527	112	19.650											17.02	19.87	21.28
1.867	75	13.158	140	24.562													
1.868	38	6.667	71	12.457					12.19	15.58	16.42	19.21	21.99	23.39	26.16	28.93	30.31
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

14M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		2380-14MX	2450-14MX	2520-14MX	2590-14MX	2660-14MX	2800-14MX	3136-14MX	3304-14MX	3360-14MX	3500-14MX	3850-14MX	3920-14MX	4326-14MX	4410-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.07**	**1.12**	**1.14**	**1.14**	**1.16**	**1.19**	**1.20**	**1.24**	**1.25**
1.509	53	9.299	80	14.036	28.42	29.81	31.19	32.57	33.95	36.72	43.34	46.65	47.75	50.51	57.41	58.79	66.79	68.44
1.514	35	6.141	53	9.299	34.69	36.07	37.45	38.83	40.20	42.96	49.58	52.89	53.99	56.75	63.64	65.02	73.01	74.67
1.514	37	6.492	56	9.825	33.99	35.38	36.75	38.13	39.51	42.27	48.89	52.20	53.30	56.05	62.95	64.33	72.32	73.98
1.515	33	5.790	50	8.772	35.38	36.76	38.14	39.52	40.90	43.66	50.27	53.58	54.68	57.44	64.33	65.71	73.70	75.36
1.536	28	4.912	43	7.544	37.04	38.42	39.80	41.18	42.56	45.32	51.93	55.24	56.34	59.10	65.99	67.37	75.36	77.02
1.538	39	6.842	60	10.527	33.16	34.54	35.92	37.30	38.67	41.44	48.05	51.37	52.47	55.22	62.12	63.50	71.49	73.15
1.548	31	5.439	48	8.421	35.93	37.31	38.69	40.07	41.45	44.21	50.82	54.13	55.23	57.99	64.88	66.26	74.25	75.91
1.552	29	5.088	45	7.895	36.63	38.01	39.38	40.76	42.14	44.90	51.51	54.83	55.93	58.68	65.57	66.95	74.95	76.60
1.556	36	6.316	56	9.825	34.13	35.51	36.89	38.27	39.64	42.41	49.02	52.33	53.43	56.19	63.08	64.46	72.46	74.11
1.558	43	7.544	67	11.755	31.62	33.01	34.38	35.77	37.14	39.91	46.52	49.84	50.94	53.70	60.59	61.97	69.97	71.62
1.559	34	5.965	53	9.299	34.82	36.20	37.58	38.96	40.34	43.10	49.71	53.03	54.13	56.88	63.77	65.16	73.15	74.80
1.563	32	5.614	50	8.772	35.52	36.90	38.27	39.65	41.03	43.79	50.41	53.72	54.82	57.57	64.47	65.85	73.84	75.49
1.563	48	8.421	75	13.158	29.81	31.19	32.57	33.95	35.33	38.10	44.72	48.03	49.13	51.89	58.79	60.17	68.17	69.82
1.575	40	7.018	63	11.053	32.59	33.98	35.35	36.74	38.11	40.88	47.49	50.81	51.91	54.66	61.56	62.94	70.93	72.59
1.577	71	12.457	112	19.650	21.33	22.73	24.12	25.51	26.90	29.69	36.34	39.66	40.76	43.53	50.44	51.82	59.83	61.49
1.578	45	7.895	71	12.457	30.78	32.16	33.54	34.93	36.30	39.07	45.69	49.00	50.10	52.86	59.76	61.14	69.13	70.79
1.579	38	6.667	60	10.527	33.29	34.67	36.05	37.43	38.81	41.57	48.19	51.50	52.60	55.36	62.25	63.63	71.62	73.28
1.600	30	5.263	48	8.421	36.07	37.45	38.83	40.21	41.58	44.34	50.96	54.27	55.37	58.13	65.02	66.40	74.39	76.05
1.600	35	6.141	56	9.825	34.26	35.64	37.02	38.40	39.78	42.54	49.16	52.47	53.57	56.33	63.22	64.60	72.59	74.25
1.600	50	8.772	80	14.036	28.82	30.20	31.58	32.97	34.35	37.11	43.74	47.05	48.15	50.91	57.81	59.19	67.19	68.85
1.606	33	5.790	53	9.299	34.96	36.34	37.71	39.09	40.47	43.23	49.85	53.16	54.26	57.02	63.91	65.29	73.28	74.94
1.607	28	4.912	45	7.895	36.76	38.14	39.52	40.90	42.28	45.04	51.65	54.96	56.06	58.82	65.71	67.09	75.08	76.74
1.607	56	9.825	90	15.790	26.56	27.95	29.34	30.72	32.10	34.87	41.50	44.82	45.93	48.69	55.59	56.97	64.97	66.63
1.613	31	5.439	50	8.772	35.65	37.03	38.41	39.79	41.16	43.93	50.54	53.85	54.95	57.71	64.60	65.98	73.97	75.63
1.615	39	6.842	63	11.053	32.73	34.11	35.49	36.87	38.25	41.01	47.63	50.94	52.04	54.80	61.69	63.08	71.07	72.72
1.622	37	6.492	60	10.527	33.42	34.80	36.18	37.56	38.94	41.70	48.32	51.63	52.73	55.49	62.39	63.77	71.76	73.42
1.647	34	5.965	56	9.825	34.39	35.78	37.15	38.54	39.91	42.67	49.29	52.60	53.70	56.46	63.35	64.73	72.73	74.38
1.651	43	7.544	71	12.457	31.04	32.43	33.81	35.19	36.57	39.33	45.96	49.27	50.37	53.13	60.03	61.41	69.40	71.06
1.655	29	5.088	48	8.421	36.20	37.58	38.96	40.34	41.72	44.48	51.09	54.40	55.51	58.26	65.15	66.53	74.53	76.18
1.656	32	5.614	53	9.299	35.09	36.47	37.85	39.23	40.61	43.37	49.98	53.30	54.40	57.15	64.05	65.43	73.42	75.07
1.658	38	6.667	63	11.053	32.86	34.24	35.62	37.00	38.38	41.14	47.76	51.08	52.18	54.93	61.83	63.21	71.20	72.86
1.667	30	5.263	50	8.772	35.78	37.17	38.54	39.92	41.30	44.06	50.68	53.99	55.09	57.85	64.74	66.12	74.11	75.77
1.667	36	6.316	60	10.527	33.56	34.94	36.32	37.70	39.07	41.84	48.46	51.77	52.87	55.63	62.52	63.90	71.90	73.55
1.667	45	7.895	75	13.158	30.20	31.59	32.96	34.35	35.73	38.50	45.12	48.43	49.54	52.29	59.19	60.57	68.57	70.23
1.667	48	8.421	80	14.036	29.08	30.46	31.84	33.23	34.61	37.38	44.00	47.32	48.42	51.18	58.08	59.46	67.46	69.12
1.672	67	11.755	112	19.650	21.83	23.23	24.62	26.02	27.41	30.20	36.85	40.18	41.29	44.05	50.97	52.35	60.36	62.02
1.675	40	7.018	67	11.755	32.02	33.40	34.78	36.16	37.54	40.31	46.93	50.24	51.34	54.10	60.99	62.38	70.37	72.03
1.697	33	5.790	56	9.825	34.53	35.91	37.29	38.67	40.05	42.81	49.42	52.74	53.84	56.60	63.49	64.87	72.86	74.52
1.698	53	9.299	90	15.790	26.95	28.34	29.72	31.11	32.49	35.27	41.90	45.22	46.32	49.08	55.99	57.37	65.37	67.03
1.703	37	6.492	63	11.053	32.99	34.37	35.75	37.14	38.51	41.28	47.90	51.21	52.31	55.07	61.96	63.34	71.34	72.99
1.710	31	5.439	53	9.299	35.22	36.60	37.98	39.36	40.74	43.50	50.12	53.43	54.53	57.29	64.18	65.56	73.55	75.21
1.714	28	4.912	48	8.421	36.34	37.72	39.09	40.48	41.85	44.61	51.23	54.54	55.64	58.40	65.29	66.67	74.66	76.32
1.714	35	6.141	60	10.527	33.69	35.07	36.45	37.83	39.21	41.97	48.59	51.90	53.00	55.76	62.66	64.04	72.03	73.69
1.718	39	6.842	67	11.755	32.15	33.53	34.91	36.30	37.67	40.44	47.06	50.37	51.48	54.23	61.13	62.51	70.51	72.16
1.724	29	5.088	50	8.772	35.92	37.30	38.68	40.06	41.43	44.20	50.81	54.12	55.22	57.98	64.87	66.25	74.25	75.90
1.744	43	7.544	75	13.158	30.46	31.85	33.23	34.61	35.99	38.76	45.38	48.70	49.80	52.56	59.46	60.84	68.84	70.49
1.750	32	5.614	56	9.825	34.66	36.04	37.42	38.80	40.18	42.94	49.56	52.87	53.97	56.73	63.62	65.01	73.00	74.65
1.750	36	6.316	63	11.053	33.12	34.51	35.89	37.27	38.65	41.41	48.03	51.34	52.44	55.20	62.10	63.48	71.47	73.13
1.750	80	14.036	140	24.562				19.97	21.39	24.23	30.97	34.32	35.43	38.22	45.16	46.55	54.59	56.25
1.763	38	6.667	67	11.755	32.28	33.67	35.04	36.43	37.81	40.57	47.19	50.51	51.61	54.37	61.26	62.64	70.64	72.30
1.765	34	5.965	60	10.527	33.82	35.20	36.58	37.96	39.34	42.11	48.72	52.04	53.14	55.90	62.79	64.17	72.17	73.82
1.767	30	5.263	53	9.299	35.36	36.74	38.11	39.50	40.87	43.64	50.25	53.57	54.67	57.42	64.32	65.70	73.69	75.35
1.775	40	7.018	71	12.457	31.44	32.82	34.20	35.59	36.96	39.73	46.35	49.67	50.77	53.53	60.43	61.81	69.81	71.46
1.778	45	7.895	80	14.036	29.47	30.85	32.23	33.62	35.00	37.77	44.40	47.72	48.82	51.58	58.48	59.86	67.86	69.52
1.778	63	11.053	112	19.650	22.32	23.73	25.12	26.52	27.91	30.70	37.37	40.70	41.80	44.57	51.49	52.88	60.89	62.55
1.786	28	4.912	50	8.772	36.05	37.43	38.81	40.19	41.57	44.33	50.95	54.26	55.36	58.12	65.01	66.39	74.38	76.04
1.800	35	6.141	63	11.053	33.26	34.64	36.02	37.40	38.78	41.54	48.16	51.48	52.58	55.34	62.23	63.61	71.61	73.26
1.800	50	8.772	90	15.790	27.33	28.72	30.11	31.50	32.88	35.66	42.29	45.61	46.72	49.48	56.38	57.77	65.77	67.43
1.806	31	5.439	56	9.825	34.79	36.18	37.55	38.93	40.31	43.08	49.69	53.01	54.11	56.86	63.76	65.14	73.13	74.79
1.811	37	6.492	67	11.755	32.41	33.80	35.18	36.56	37.94	40.70	47.33	50.64	51.74	54.50	61.40	62.78	70.77	72.43
1.818	33	5.790	60	10.527	33.95	35.34	36.71	38.10	39.47	42.24	48.86	52.17	53.27	56.03	62.93	64.31	72.30	73.96
1.821	39	6.842	71	12.457	31.57	32.95	34.33	35.72	37.10	39.86	46.49	49.80	50.91	53.66	60.56	61.94	69.94	71.60
1.828	29	5.088	53	9.299	35.49	36.87	38.25	39.63	41.01	43.77	50.39	53.70	54.80	57.56	64.45	65.83	73.83	75.48
1.853	34	5.965	63	11.053	33.39	34.77	36.15	37.53	38.91	41.68	48.30	51.61	52.71	55.47	62.37	63.75	71.74	73.40
1.860	43	7.544	80	14.036	29.72	31.11	32.49	33.88	35.26	38.03	44.66	47.98	49.08	51.84	58.75	60.13	68.13	69.79
1.861	36	6.316	67	11.755	32.54	33.93	35.31	36.69	38.07	40.84	47.46	50.77	51.88	54.63	61.53	62.91	70.91	72.57
1.867	30	5.263	56	9.825	34.93	36.31	37.69	39.07	40.45	43.21	49.83	53.14	54.24	57.00	63.89	65.28	73.27	74.93
1.867	60	10.527	112	19.650	22.69	24.10	25.49	26.90	28.29	31.08	37.75	41.09	42.19	44.96	51.88	53.27	61.28	62.94
1.867	75	13.158	140	24.562				20.56	21.99	24.84	31.59	34.95	36.06	38.85	45.80	47.19	55.24	56.90
1.868	38	6.667	71	12.457	31.70	33.08	34.46	35.85	37.23	40.00	46.62	49.94	51.04	53.80	60.70	62.08	70.08	71.73
Length Factor*					**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.07**	**1.12**	**1.14**	**1.14**	**1.16**	**1.19**	**1.20**	**1.24**	**1.25**

* The length correction factor must be used to determine the proper belt width.

DODGE

14M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches												
	Driver		Driven		994-14MX	1120-14MX	1190-14MX	1260-14MX	1400-14MX	1568-14MX	1610-14MX	1750-14MX	1890-14MX	1960-14MX	2100-14MX	2240-14MX	2310-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches													
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**
1.875	32	5.614	60	10.527		9.03	10.46	11.87	14.68	18.02	18.86	21.63	24.40	25.79	28.56	31.32	32.70
1.875	40	7.018	75	13.158					11.29	14.70	15.54	18.35	21.14	22.53	25.31	28.08	29.46
1.875	48	8.421	90	15.790								14.98	17.81	19.22	22.02	24.81	26.20
1.893	28	4.912	53	9.299	8.11	10.66	12.06	13.46	16.25	19.58	20.42	23.18	25.95	27.34	30.10	32.86	34.24
1.909	33	5.790	63	11.053			9.84	11.27	14.09	17.44	18.28	21.06	23.83	25.22	27.99	30.75	32.13
1.914	35	6.141	67	11.755				10.37	13.21	16.57	17.41	20.20	22.98	24.37	27.14	29.91	31.29
1.919	37	6.492	71	12.457					12.31	15.70	16.54	19.34	22.12	23.51	26.29	29.06	30.44
1.923	39	6.842	75	13.158					11.41	14.82	15.67	18.47	21.26	22.66	25.44	28.21	29.59
1.931	29	5.088	56	9.825		10.05	11.47	12.87	15.67	19.00	19.84	22.61	25.38	26.77	29.53	32.30	33.67
1.935	31	5.439	60	10.527		9.15	10.58	11.99	14.80	18.15	18.98	21.76	24.53	25.92	28.69	31.45	32.83
1.969	32	5.614	63	11.053			9.96	11.39	14.21	17.56	18.40	21.18	23.96	25.35	28.12	30.88	32.27
1.971	34	5.965	67	11.755				10.49	13.33	16.70	17.54	20.33	23.11	24.50	27.27	30.04	31.42
1.972	36	6.316	71	12.457					12.43	15.82	16.67	19.46	22.25	23.64	26.42	29.19	30.57
1.972	71	12.457	140	24.562													
1.974	38	6.667	75	13.158					11.53	14.94	15.79	18.60	21.39	22.78	25.56	28.34	29.72
2.000	28	4.912	56	9.825		10.17	11.59	13.00	15.79	19.13	19.97	22.74	25.51	26.90	29.66	32.43	33.81
2.000	30	5.263	60	10.527		9.27	10.70	12.12	14.93	18.27	19.11	21.89	24.66	26.05	28.82	31.58	32.96
2.000	40	7.018	80	14.036						13.88	14.74	17.56	20.37	21.77	24.55	27.33	28.72
2.000	45	7.895	90	15.790							12.46	15.34	18.17	19.58	22.39	25.18	26.57
2.000	56	9.825	112	19.650											17.50	20.35	21.76
2.027	37	6.492	75	13.158					11.65	15.06	15.91	18.72	21.51	22.91	25.69	28.47	29.85
2.029	35	6.141	71	12.457					12.55	15.94	16.79	19.59	22.37	23.77	26.55	29.32	30.70
2.030	33	5.790	67	11.755				10.60	13.45	16.82	17.66	20.45	23.23	24.62	27.40	30.17	31.55
2.032	31	5.439	63	11.053			10.08	11.51	14.33	17.69	18.53	21.31	24.09	25.48	28.25	31.02	32.40
2.051	39	6.842	80	14.036						14.00	14.86	17.69	20.49	21.89	24.68	27.46	28.85
2.069	29	5.088	60	10.527		9.38	10.82	12.24	15.05	18.40	19.24	22.02	24.79	26.18	28.95	31.71	33.09
2.083	36	6.316	75	13.158					11.76	15.18	16.03	18.84	21.64	23.04	25.82	28.60	29.98
2.088	34	5.965	71	12.457					12.67	16.07	16.91	19.71	22.50	23.90	26.67	29.45	30.83
2.090	67	11.755	140	24.562													
2.093	43	7.544	90	15.790							12.69	15.57	18.42	19.83	22.64	25.43	26.83
2.094	32	5.614	67	11.755				10.72	13.57	16.94	17.79	20.58	23.36	24.75	27.53	30.30	31.68
2.100	30	5.263	63	11.053			10.20	11.63	14.45	17.81	18.66	21.44	24.22	25.61	28.38	31.15	32.53
2.100	80	14.036	168	29.475													
2.105	38	6.667	80	14.036						14.12	14.98	17.81	20.61	22.02	24.81	27.59	28.98
2.113	53	9.299	112	19.650										14.94	17.85	20.71	22.13
2.143	28	4.912	60	10.527		9.50	10.94	12.36	15.17	18.53	19.37	22.15	24.92	26.31	29.08	31.85	33.23
2.143	35	6.141	75	13.158					11.88	15.30	16.16	18.97	21.76	23.16	25.95	28.72	30.11
2.152	33	5.790	71	12.457				9.91	12.79	16.19	17.04	19.84	22.63	24.02	26.80	29.58	30.96
2.161	31	5.439	67	11.755			9.38	10.84	13.69	17.07	17.91	20.70	23.49	24.88	27.66	30.43	31.81
2.162	37	6.492	80	14.036						14.24	15.10	17.93	20.74	22.14	24.93	27.72	29.10
2.172	29	5.088	63	11.053		8.86	10.31	11.75	14.58	17.94	18.78	21.57	24.34	25.73	28.51	31.28	32.66
2.206	34	5.965	75	13.158					12.00	15.42	16.28	19.09	21.89	23.29	26.07	28.85	30.24
2.219	32	5.614	71	12.457				10.02	12.91	16.31	17.16	19.96	22.75	24.15	26.93	29.70	31.09
2.222	36	6.316	80	14.036					10.88	14.36	15.22	18.05	20.86	22.27	25.06	27.84	29.23
2.222	63	11.053	140	24.562													
2.233	30	5.263	67	11.755			9.50	10.95	13.81	17.19	18.04	20.83	23.62	25.01	27.78	30.56	31.94
2.240	50	8.772	112	19.650										15.28	18.20	21.07	22.49
2.240	75	13.158	168	29.475													
2.250	28	4.912	63	11.053		8.98	10.43	11.87	14.70	18.06	18.91	21.69	24.47	25.86	28.64	31.41	32.79
2.250	40	7.018	90	15.790						12.15	13.04	15.93	18.78	20.19	23.01	25.81	27.20
2.250	80	14.036	180	31.580													
2.273	33	5.790	75	13.158					12.11	15.54	16.40	19.21	22.01	23.41	26.20	28.98	30.36
2.286	35	6.141	80	14.036					11.00	14.48	15.34	18.17	20.99	22.39	25.18	27.97	29.36
2.290	31	5.439	71	12.457				10.14	13.03	16.43	17.28	20.09	22.88	24.28	27.06	29.83	31.22
2.308	39	6.842	90	15.790						12.26	13.15	16.05	18.90	20.32	23.13	25.93	27.33
2.310	29	5.088	67	11.755			9.61	11.07	13.93	17.31	18.16	20.96	23.74	25.14	27.91	30.69	32.07
2.333	48	8.421	112	19.650										15.51	18.43	21.30	22.73
2.333	60	10.527	140	24.562													
2.344	32	5.614	75	13.158					12.23	15.67	16.52	19.34	22.14	23.54	26.33	29.11	30.49
2.353	34	5.965	80	14.036					11.11	14.59	15.46	18.29	21.11	22.51	25.31	28.10	29.48
2.366	71	12.457	168	29.475													
2.367	30	5.263	71	12.457				10.25	13.15	16.56	17.40	20.21	23.01	24.40	27.18	29.96	31.35
2.368	38	6.667	90	15.790						12.38	13.27	16.16	19.02	20.44	23.25	26.06	27.45
2.393	28	4.912	67	11.755			9.73	11.19	14.05	17.44	18.28	21.08	23.87	25.26	28.04	30.81	32.20
2.400	75	13.158	180	31.580													
2.419	31	5.439	75	13.158					12.35	15.78	16.64	19.46	22.26	23.66	26.45	29.23	30.62
2.424	33	5.790	80	14.036					11.22	14.71	15.57	18.42	21.23	22.64	25.43	28.22	29.61
2.432	37	6.492	90	15.790						12.49	13.38	16.28	19.14	20.56	23.38	26.18	27.58
2.448	29	5.088	71	12.457				10.36	13.27	16.68	17.53	20.34	23.13	24.53	27.31	30.09	31.47
2.489	45	7.895	112	19.650									14.35	15.85	18.78	21.66	23.08
2.500	30	5.263	75	13.158					12.46	15.90	16.76	19.58	22.39	23.79	26.58	29.36	30.75
2.500	32	5.614	80	14.036					11.34	14.83	15.69	18.54	21.36	22.76	25.56	28.35	29.74
2.500	36	6.316	90	15.790						12.60	13.49	16.40	19.26	20.68	23.50	26.31	27.70
2.500	56	9.825	140	24.562													
2.500	80	14.036	200	35.089													
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

14M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		2380-14MX	2450-14MX	2520-14MX	2590-14MX	2660-14MX	2800-14MX	3136-14MX	3304-14MX	3360-14MX	3500-14MX	3850-14MX	3920-14MX	4326-14MX	4410-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.07**	**1.12**	**1.14**	**1.14**	**1.16**	**1.19**	**1.20**	**1.24**	**1.25**
1.875	32	5.614	60	10.527	34.08	35.47	36.85	38.23	39.61	42.37	48.99	52.31	53.41	56.16	63.06	64.44	72.44	74.09
1.875	40	7.018	75	13.158	30.85	32.24	33.62	35.00	36.38	39.15	45.78	49.10	50.20	52.96	59.86	61.24	69.24	70.90
1.875	48	8.421	90	15.790	27.59	28.98	30.37	31.76	33.14	35.92	42.56	45.88	46.98	49.74	56.65	58.03	66.04	67.69
1.893	28	4.912	53	9.299	35.62	37.00	38.38	39.76	41.14	43.90	50.52	53.83	54.93	57.69	64.59	65.97	73.96	75.62
1.909	33	5.790	63	11.053	33.52	34.90	36.28	37.66	39.04	41.81	48.43	51.74	52.85	55.60	62.50	63.88	71.88	73.53
1.914	35	6.141	67	11.755	32.67	34.06	35.44	36.82	38.20	40.97	47.59	50.91	52.01	54.77	61.67	63.05	71.04	72.70
1.919	37	6.492	71	12.457	31.83	33.21	34.59	35.98	37.36	40.13	46.75	50.07	51.17	53.93	60.83	62.21	70.21	71.87
1.923	39	6.842	75	13.158	30.98	32.37	33.75	35.14	36.52	39.29	45.91	49.23	50.33	53.09	59.99	61.38	69.38	71.03
1.931	29	5.088	56	9.825	35.06	36.44	37.82	39.20	40.58	43.34	49.96	53.27	54.38	57.13	64.03	65.41	73.40	75.06
1.935	31	5.439	60	10.527	34.22	35.60	36.98	38.36	39.74	42.50	49.12	52.44	53.54	56.30	63.19	64.58	72.57	74.23
1.969	32	5.614	63	11.053	33.65	35.03	36.41	37.80	39.18	41.94	48.56	51.88	52.98	55.74	62.64	64.02	72.01	73.67
1.971	34	5.965	67	11.755	32.80	34.19	35.57	36.95	38.33	41.10	47.72	51.04	52.14	54.90	61.80	63.18	71.18	72.84
1.972	36	6.316	71	12.457	31.96	33.34	34.72	36.11	37.49	40.26	46.89	50.20	51.30	54.06	60.96	62.35	70.34	72.00
1.972	71	12.457	140	24.562			19.59	21.03	22.46	25.32	32.08	35.45	36.56	39.35	46.31	47.71	55.75	57.42
1.974	38	6.667	75	13.158	31.11	32.50	33.88	35.27	36.65	39.42	46.05	49.36	50.47	53.23	60.13	61.51	69.51	71.17
2.000	28	4.912	56	9.825	35.19	36.57	37.95	39.33	40.71	43.48	50.10	53.41	54.51	57.27	64.16	65.54	73.54	75.20
2.000	30	5.263	60	10.527	34.35	35.73	37.11	38.49	39.87	42.64	49.26	52.57	53.67	56.43	63.33	64.71	72.71	74.36
2.000	40	7.018	80	14.036	30.11	31.50	32.88	34.27	35.65	38.42	45.06	48.38	49.48	52.24	59.15	60.53	68.53	70.19
2.000	45	7.895	90	15.790	27.97	29.36	30.75	32.14	33.53	36.30	42.95	46.27	47.37	50.14	57.05	58.43	66.44	68.09
2.000	56	9.825	112	19.650	23.18	24.59	25.99	27.39	28.79	31.59	38.26	41.60	42.71	45.48	52.40	53.79	61.81	63.47
2.027	37	6.492	75	13.158	31.24	32.63	34.01	35.39	36.78	39.55	46.18	49.49	50.60	53.36	60.26	61.64	69.64	71.30
2.029	35	6.141	71	12.457	32.09	33.47	34.86	36.24	37.62	40.39	47.02	50.33	51.44	54.20	61.10	62.48	70.48	72.13
2.030	33	5.790	67	11.755	32.94	34.32	35.70	37.09	38.46	41.23	47.86	51.17	52.28	55.03	61.93	63.31	71.31	72.97
2.032	31	5.439	63	11.053	33.78	35.17	36.54	37.93	39.31	42.07	48.70	52.01	53.11	55.87	62.77	64.15	72.15	73.80
2.051	39	6.842	80	14.036	30.24	31.63	33.01	34.40	35.78	38.55	45.19	48.51	49.61	52.37	59.28	60.66	68.66	70.32
2.069	29	5.088	60	10.527	34.48	35.86	37.24	38.63	40.00	42.77	49.39	52.71	53.81	56.57	63.46	64.84	72.84	74.50
2.083	36	6.316	75	13.158	31.37	32.76	34.14	35.53	36.91	39.68	46.31	49.63	50.73	53.49	60.39	61.78	69.78	71.43
2.088	34	5.965	71	12.457	32.22	33.60	34.99	36.37	37.75	40.52	47.15	50.47	51.57	54.33	61.23	62.61	70.61	72.27
2.090	67	11.755	140	24.562		18.59	20.05	21.50	22.94	25.80	32.58	35.94	37.06	39.86	46.82	48.22	56.27	57.93
2.093	43	7.544	90	15.790	28.22	29.62	31.00	32.40	33.78	36.56	43.21	46.53	47.63	50.40	57.31	58.69	66.70	68.36
2.094	32	5.614	67	11.755	33.07	34.45	35.83	37.22	38.60	41.36	47.99	51.31	52.41	55.17	62.07	63.45	71.45	73.10
2.100	30	5.263	63	11.053	33.91	35.30	36.68	38.06	39.44	42.21	48.83	52.15	53.25	56.01	62.90	64.29	72.28	73.94
2.100	80	14.036	168	29.475							26.42	29.86	31.00	33.84	40.88	42.28	50.39	52.06
2.105	38	6.667	80	14.036	30.37	31.76	33.14	34.53	35.91	38.68	45.32	48.64	49.74	52.51	59.41	60.79	68.80	70.45
2.113	53	9.299	112	19.650	23.54	24.95	26.36	27.76	29.16	31.96	38.65	41.98	43.09	45.87	52.79	54.18	62.20	63.86
2.143	28	4.912	60	10.527	34.61	35.99	37.37	38.76	40.14	42.90	49.52	52.84	53.94	56.70	63.60	64.98	72.98	74.63
2.143	35	6.141	75	13.158	31.50	32.89	34.27	35.65	37.04	39.81	46.44	49.76	50.86	53.62	60.53	61.91	69.91	71.57
2.152	33	5.790	71	12.457	32.35	33.73	35.12	36.50	37.88	40.65	47.28	50.60	51.70	54.46	61.36	62.75	70.75	72.40
2.161	31	5.439	67	11.755	33.20	34.58	35.96	37.35	38.73	41.50	48.12	51.44	52.54	55.30	62.20	63.58	71.58	73.24
2.162	37	6.492	80	14.036	30.49	31.88	33.27	34.66	36.04	38.81	45.45	48.77	49.87	52.64	59.54	60.93	68.93	70.59
2.172	29	5.088	63	11.053	34.04	35.43	36.81	38.19	39.57	42.34	48.96	52.28	53.38	56.14	63.04	64.42	72.42	74.07
2.206	34	5.965	75	13.158	31.63	33.01	34.40	35.78	37.17	39.94	46.57	49.89	50.99	53.76	60.66	62.04	70.04	71.70
2.219	32	5.614	71	12.457	32.48	33.86	35.25	36.63	38.01	40.78	47.41	50.73	51.83	54.59	61.50	62.88	70.88	72.54
2.222	36	6.316	80	14.036	30.62	32.01	33.40	34.79	36.17	38.94	45.58	48.90	50.01	52.77	59.68	61.06	69.06	70.72
2.222	63	11.053	140	24.562		19.05	20.51	21.97	23.41	26.27	33.07	36.44	37.56	40.36	47.33	48.72	56.78	58.45
2.233	30	5.263	67	11.755	33.33	34.71	36.09	37.48	38.86	41.63	48.25	51.57	52.67	55.43	62.33	63.72	71.72	73.37
2.240	50	8.772	112	19.650	23.91	25.32	26.73	28.14	29.54	32.34	39.03	42.37	43.48	46.25	53.18	54.57	62.60	64.26
2.240	75	13.158	168	29.475							27.00	30.46	31.60	34.44	41.50	42.90	51.02	52.69
2.250	28	4.912	63	11.053	34.17	35.56	36.94	38.32	39.70	42.47	49.10	52.41	53.51	56.27	63.17	64.55	72.55	74.21
2.250	40	7.018	90	15.790	28.60	30.00	31.38	32.78	34.16	36.95	43.60	46.92	48.03	50.79	57.70	59.09	67.10	68.76
2.250	80	14.036	180	31.580							24.30	27.82	28.98	31.85	38.97	40.38	48.53	50.22
2.273	33	5.790	75	13.158	31.75	33.14	34.53	35.91	37.30	40.07	46.70	50.02	51.13	53.89	60.79	62.17	70.18	71.83
2.286	35	6.141	80	14.036	30.75	32.14	33.53	34.91	36.30	39.07	45.71	49.03	50.14	52.90	59.81	61.19	69.20	70.85
2.290	31	5.439	71	12.457	32.61	33.99	35.38	36.76	38.14	40.91	47.54	50.86	51.97	54.73	61.63	63.01	71.01	72.67
2.308	39	6.842	90	15.790	28.73	30.12	31.51	32.91	34.29	37.07	43.73	47.05	48.16	50.92	57.84	59.22	67.23	68.89
2.310	29	5.088	67	11.755	33.46	34.84	36.22	37.61	38.99	41.76	48.39	51.70	52.81	55.57	62.47	63.85	71.85	73.51
2.333	48	8.421	112	19.650	24.15	25.56	26.97	28.38	29.78	32.59	39.28	42.62	43.73	46.51	53.44	54.83	62.86	64.52
2.333	60	10.527	140	24.562		19.39	20.85	22.31	23.76	26.63	33.43	36.81	37.93	40.73	47.71	49.10	57.16	58.83
2.344	32	5.614	75	13.158	31.88	33.27	34.66	36.04	37.43	40.20	46.83	50.15	51.26	54.02	60.92	62.31	70.31	71.97
2.353	34	5.965	80	14.036	30.88	32.27	33.65	35.04	36.43	39.20	45.84	49.17	50.27	53.03	59.94	61.32	69.33	70.99
2.366	71	12.457	168	29.475							27.47	30.93	32.07	34.92	41.99	43.39	51.52	53.19
2.367	30	5.263	71	12.457	32.73	34.12	35.51	36.89	38.27	41.05	47.68	51.00	52.10	54.86	61.76	63.15	71.15	72.80
2.368	38	6.667	90	15.790	28.85	30.25	31.64	33.03	34.42	37.20	43.85	47.18	48.29	51.05	57.97	59.35	67.36	69.02
2.393	28	4.912	67	11.755	33.59	34.97	36.35	37.74	39.12	41.89	48.52	51.84	52.94	55.70	62.60	63.98	71.98	73.64
2.400	75	13.158	180	31.580							24.87	28.40	29.56	32.44	39.57	40.99	49.15	50.84
2.419	31	5.439	75	13.158	32.01	33.40	34.78	36.17	37.56	40.33	46.97	50.29	51.39	54.15	61.06	62.44	70.44	72.10
2.424	33	5.790	80	14.036	31.00	32.40	33.78	35.17	36.56	39.33	45.97	49.30	50.40	53.16	60.07	61.46	69.46	71.12
2.432	37	6.492	90	15.790	28.98	30.37	31.76	33.16	34.55	37.33	43.98	47.31	48.42	51.18	58.10	59.48	67.49	69.15
2.448	29	5.088	71	12.457	32.86	34.25	35.63	37.02	38.40	41.18	47.81	51.13	52.23	54.99	61.90	63.28	71.28	72.94
2.489	45	7.895	112	19.650	24.51	25.93	27.34	28.75	30.15	32.96	39.66	43.00	44.11	46.89	53.83	55.22	63.25	64.91
2.500	30	5.263	75	13.158	32.14	33.53	34.91	36.30	37.69	40.46	47.10	50.42	51.52	54.28	61.19	62.57	70.58	72.23
2.500	32	5.614	80	14.036	31.13	32.52	33.91	35.30	36.68	39.46	46.10	49.43	50.53	53.30	60.20	61.59	69.59	71.25
2.500	36	6.316	90	15.790	29.10	30.50	31.89	33.29	34.67	37.46	44.11	47.44	48.55	51.31	58.23	59.61	67.63	69.29
2.500	56	9.825	140	24.562	18.34	19.84	21.31	22.77	24.22	27.10	33.92	37.30	38.42	41.23	48.21	49.61	57.68	59.34
2.500	80	14.036	200	35.089									25.34	28.33	35.64	37.08	45.34	47.04
Length Factor*					**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.07**	**1.12**	**1.14**	**1.14**	**1.16**	**1.19**	**1.20**	**1.24**	**1.25**

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

* The length correction factor must be used to determine the proper belt width.

Selection program available online at ptwizard.com

14M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches												
	Driver		Driven		994-14MX	1120-14MX	1190-14MX	1260-14MX	1400-14MX	1568-14MX	1610-14MX	1750-14MX	1890-14MX	1960-14MX	2100-14MX	2240-14MX	2310-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches													
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**
2.507	67	11.755	168	29.475													
2.535	71	12.457	180	31.580													
2.536	28	4.912	71	12.457				10.48	13.38	16.80	17.65	20.46	23.26	24.65	27.44	30.22	31.60
2.571	35	6.141	90	15.790						12.71	13.61	16.52	19.38	20.80	23.62	26.43	27.83
2.581	31	5.439	80	14.036					11.45	14.95	15.81	18.66	21.48	22.88	25.68	28.47	29.86
2.586	29	5.088	75	13.158					12.58	16.02	16.88	19.71	22.51	23.91	26.70	29.49	30.88
2.605	43	7.544	112	19.650									14.57	16.07	19.01	21.89	23.32
2.642	53	9.299	140	24.562													
2.647	34	5.965	90	15.790						12.83	13.72	16.63	19.50	20.92	23.74	26.55	27.95
2.667	30	5.263	80	14.036					11.56	15.06	15.93	18.78	21.60	23.01	25.81	28.60	29.99
2.667	63	11.053	168	29.475													
2.667	75	13.158	200	35.089													
2.679	28	4.912	75	13.158					12.69	16.14	17.00	19.83	22.64	24.04	26.83	29.62	31.00
2.687	67	11.755	180	31.580													
2.727	33	5.790	90	15.790						12.94	13.83	16.75	19.62	21.04	23.87	26.68	28.07
2.759	29	5.088	80	14.036					11.67	15.18	16.05	18.90	21.72	23.13	25.93	28.73	30.12
2.800	40	7.018	112	19.650									14.90	16.41	19.36	22.25	23.68
2.800	50	8.772	140	24.562													17.47
2.800	60	10.527	168	29.475													
2.800	80	14.036	224	39.300													
2.813	32	5.614	90	15.790						13.05	13.95	16.87	19.73	21.16	23.99	26.80	28.20
2.817	71	12.457	200	35.089													
2.857	28	4.912	80	14.036					11.78	15.30	16.17	19.02	21.85	23.25	26.06	28.85	30.24
2.857	63	11.053	180	31.580													
2.872	39	6.842	112	19.650									15.01	16.52	19.47	22.36	23.80
2.903	31	5.439	90	15.790						13.16	14.06	16.98	19.85	21.28	24.11	26.92	28.32
2.917	48	8.421	140	24.562													17.69
2.947	38	6.667	112	19.650									15.12	16.63	19.58	22.48	23.91
2.985	67	11.755	200	35.089													
2.987	75	13.158	224	39.300													
3.000	30	5.263	90	15.790						13.27	14.17	17.10	19.97	21.40	24.23	27.05	28.45
3.000	56	9.825	168	29.475													
3.000	60	10.527	180	31.580													
3.027	37	6.492	112	19.650									15.23	16.74	19.70	22.60	24.03
3.103	29	5.088	90	15.790						13.38	14.28	17.21	20.09	21.52	24.35	27.17	28.57
3.111	36	6.316	112	19.650									15.34	16.85	19.81	22.72	24.15
3.111	45	7.895	140	24.562													18.01
3.155	71	12.457	224	39.300													
3.170	53	9.299	168	29.475													
3.175	63	11.053	200	35.089													
3.200	35	6.141	112	19.650									15.45	16.97	19.93	22.83	24.27
3.214	28	4.912	90	15.790						13.49	14.40	17.33	20.21	21.64	24.47	27.29	28.69
3.214	56	9.825	180	31.580													
3.256	43	7.544	140	24.562												16.65	18.23
3.294	34	5.965	112	19.650									15.56	17.08	20.04	22.95	24.39
3.333	60	10.527	200	35.089													
3.343	67	11.755	224	39.300													
3.360	50	8.772	168	29.475													
3.394	33	5.790	112	19.650									15.66	17.19	20.16	23.07	24.50
3.396	53	9.299	180	31.580													
3.500	32	5.614	112	19.650									15.77	17.30	20.27	23.18	24.62
3.500	40	7.018	140	24.562												16.97	18.55
3.500	48	8.421	168	29.475													
3.556	63	11.053	224	39.300													
3.571	56	9.825	200	35.089													
3.590	39	6.842	140	24.562												17.08	18.66
3.600	50	8.772	180	31.580													
3.613	31	5.439	112	19.650									15.88	17.41	20.38	23.30	24.74
3.684	38	6.667	140	24.562												17.18	18.77
3.733	30	5.263	112	19.650									15.99	17.52	20.50	23.41	24.85
3.733	45	7.895	168	29.475													
3.733	60	10.527	224	39.300													
3.750	48	8.421	180	31.580													
3.774	53	9.299	200	35.089													
3.784	37	6.492	140	24.562												17.29	18.87
3.862	29	5.088	112	19.650								12.91	16.10	17.63	20.61	23.53	24.97
3.889	36	6.316	140	24.562												17.39	18.98
3.907	43	7.544	168	29.475													
4.000	28	4.912	112	19.650								13.01	16.21	17.74	20.72	23.65	25.09
4.000	35	6.141	140	24.562												17.50	19.09
4.000	45	7.895	180	31.580													
4.000	50	8.772	200	35.089													
4.000	56	9.825	224	39.300													
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

14M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		2380-14MX	2450-14MX	2520-14MX	2590-14MX	2660-14MX	2800-14MX	3136-14MX	3304-14MX	3360-14MX	3500-14MX	3850-14MX	3920-14MX	4326-14MX	4410-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					1.01	1.02	1.03	1.04	1.05	1.07	1.12	1.14	1.14	1.16	1.19	1.20	1.24	1.25
2.507	67	11.755	168	29.475							27.93	31.40	32.54	35.40	42.48	43.89	52.02	53.70
2.535	71	12.457	180	31.580							25.32	28.85	30.02	32.91	40.05	41.47	49.64	51.33
2.536	28	4.912	71	12.457	32.99	34.38	35.76	37.15	38.53	41.31	47.94	51.26	52.36	55.12	62.03	63.41	71.41	73.07
2.571	35	6.141	90	15.790	29.23	30.62	32.02	33.41	34.80	37.59	44.24	47.57	48.68	51.44	58.36	59.75	67.76	69.42
2.581	31	5.439	80	14.036	31.26	32.65	34.04	35.43	36.81	39.59	46.23	49.56	50.66	53.43	60.34	61.72	69.73	71.38
2.586	29	5.088	75	13.158	32.27	33.66	35.04	36.43	37.81	40.59	47.23	50.55	51.65	54.41	61.32	62.70	70.71	72.37
2.605	43	7.544	112	19.650	24.75	26.17	27.58	28.99	30.40	33.21	39.91	43.26	44.37	47.15	54.09	55.48	63.51	65.17
2.642	53	9.299	140	24.562	18.67	20.17	21.65	23.12	24.57	27.46	34.28	37.67	38.79	41.60	48.59	49.99	58.06	59.73
2.647	34	5.965	90	15.790	29.35	30.75	32.14	33.54	34.93	37.71	44.37	47.70	48.81	51.57	58.49	59.88	67.89	69.55
2.667	30	5.263	80	14.036	31.39	32.78	34.17	35.56	36.94	39.72	46.36	49.69	50.79	53.56	60.47	61.85	69.86	71.52
2.667	63	11.053	168	29.475						21.26	28.39	31.87	33.02	35.88	42.96	44.37	52.51	54.19
2.667	75	13.158	200	35.089								24.67	25.89	28.90	36.22	37.66	45.95	47.65
2.679	28	4.912	75	13.158	32.40	33.79	35.17	36.56	37.94	40.72	47.36	50.68	51.78	54.55	61.45	62.84	70.84	72.50
2.687	67	11.755	180	31.580							25.76	29.31	30.48	33.38	40.53	41.95	50.14	51.82
2.727	33	5.790	90	15.790	29.48	30.88	32.27	33.66	35.05	37.84	44.50	47.83	48.94	51.70	58.62	60.01	68.02	69.68
2.759	29	5.088	80	14.036	31.51	32.91	34.29	35.68	37.07	39.85	46.49	49.82	50.92	53.69	60.60	61.98	69.99	71.65
2.800	40	7.018	112	19.650	25.11	26.53	27.94	29.36	30.76	33.58	40.29	43.64	44.75	47.53	54.47	55.86	63.90	65.56
2.800	50	8.772	140	24.562	19.00	20.51	21.99	23.46	24.92	27.81	34.65	38.04	39.16	41.97	48.97	50.36	58.44	60.11
2.800	60	10.527	168	29.475						21.59	28.74	32.22	33.37	36.23	43.33	44.74	52.89	54.57
2.800	80	14.036	224	39.300											31.31	32.81	41.32	43.05
2.813	32	5.614	90	15.790	29.60	31.00	32.39	33.79	35.18	37.97	44.63	47.96	49.07	51.83	58.75	60.14	68.15	69.81
2.817	71	12.457	200	35.089								25.10	26.33	29.34	36.68	38.13	46.43	48.13
2.857	28	4.912	80	14.036	31.64	33.03	34.42	35.81	37.20	39.98	46.62	49.95	51.05	53.82	60.73	62.12	70.12	71.78
2.857	63	11.053	180	31.580							26.21	29.77	30.94	33.84	41.01	42.43	50.63	52.32
2.872	39	6.842	112	19.650	25.23	26.65	28.06	29.48	30.89	33.70	40.41	43.76	44.88	47.66	54.60	55.99	64.03	65.69
2.903	31	5.439	90	15.790	29.73	31.13	32.52	33.92	35.31	38.09	44.76	48.09	49.19	51.96	58.88	60.27	68.29	69.95
2.917	48	8.421	140	24.562	19.22	20.73	22.22	23.69	25.15	28.05	34.89	38.28	39.41	42.22	49.22	50.62	58.69	60.36
2.947	38	6.667	112	19.650	25.34	26.77	28.18	29.60	31.01	33.83	40.54	43.89	45.00	47.78	54.73	56.12	64.16	65.82
2.985	67	11.755	200	35.089								25.53	26.76	29.79	37.15	38.60	46.91	48.61
2.987	75	13.158	224	39.300											31.86	33.37	41.90	43.64
3.000	30	5.263	90	15.790	29.85	31.25	32.64	34.04	35.43	38.22	44.89	48.22	49.32	52.09	59.02	60.40	68.42	70.08
3.000	56	9.825	168	29.475						22.02	29.19	32.69	33.84	36.71	43.81	45.23	53.38	55.06
3.000	60	10.527	180	31.580							26.54	30.11	31.28	34.19	41.37	42.79	50.99	52.68
3.027	37	6.492	112	19.650	25.46	26.89	28.31	29.72	31.13	33.95	40.66	44.02	45.13	47.91	54.86	56.25	64.29	65.95
3.103	29	5.088	90	15.790	29.97	31.38	32.77	34.17	35.56	38.35	45.01	48.35	49.45	52.22	59.15	60.53	68.55	70.21
3.111	36	6.316	112	19.650	25.58	27.01	28.43	29.84	31.25	34.07	40.79	44.14	45.25	48.04	54.99	56.38	64.42	66.08
3.111	45	7.895	140	24.562	19.55	21.07	22.56	24.03	25.49	28.40	35.25	38.65	39.77	42.59	49.59	50.99	59.07	60.75
3.155	71	12.457	224	39.300											32.30	33.81	42.36	44.10
3.170	53	9.299	168	29.475						22.35	29.54	33.03	34.19	37.06	44.18	45.59	53.75	55.44
3.175	63	11.053	200	35.089								25.97	27.20	30.23	37.61	39.06	47.38	49.09
3.200	35	6.141	112	19.650	25.70	27.13	28.55	29.96	31.37	34.19	40.91	44.27	45.38	48.16	55.11	56.50	64.55	66.21
3.214	28	4.912	90	15.790	30.10	31.50	32.90	34.29	35.69	38.48	45.14	48.48	49.58	52.35	59.28	60.66	68.68	70.34
3.214	56	9.825	180	31.580							26.99	30.56	31.74	34.65	41.84	43.27	51.48	53.17
3.256	43	7.544	140	24.562	19.77	21.29	22.78	24.26	25.72	28.63	35.49	38.89	40.02	42.83	49.84	51.24	59.33	61.00
3.294	34	5.965	112	19.650	25.82	27.25	28.67	30.09	31.50	34.32	41.04	44.39	45.51	48.29	55.24	56.63	64.67	66.34
3.333	60	10.527	200	35.089								26.29	27.53	30.57	37.95	39.41	47.74	49.45
3.343	67	11.755	224	39.300											32.74	34.26	42.82	44.57
3.360	50	8.772	168	29.475						22.67	29.88	33.38	34.54	37.41	44.54	45.96	54.12	55.81
3.394	33	5.790	112	19.650	25.94	27.37	28.79	30.21	31.62	34.44	41.16	44.52	45.63	48.42	55.37	56.76	64.80	66.47
3.396	53	9.299	180	31.580							27.32	30.90	32.08	35.00	42.20	43.63	51.85	53.54
3.500	32	5.614	112	19.650	26.06	27.49	28.91	30.33	31.74	34.56	41.29	44.64	45.76	48.54	55.50	56.89	64.93	66.60
3.500	40	7.018	140	24.562	20.10	21.62	23.12	24.60	26.07	28.98	35.85	39.25	40.38	43.20	50.21	51.61	59.71	61.38
3.500	48	8.421	168	29.475					19.71	22.89	30.11	33.61	34.77	37.65	44.78	46.20	54.37	56.06
3.556	63	11.053	224	39.300											33.18	34.70	43.28	45.03
3.571	56	9.825	200	35.089							22.87	26.72	27.96	31.01	38.41	39.87	48.22	49.93
3.590	39	6.842	140	24.562	20.21	21.73	23.23	24.71	26.18	29.10	35.97	39.37	40.50	43.32	50.34	51.74	59.83	61.51
3.600	50	8.772	180	31.580							27.65	31.24	32.42	35.35	42.56	43.99	52.21	53.91
3.613	31	5.439	112	19.650	26.17	27.61	29.03	30.45	31.86	34.68	41.41	44.77	45.88	48.67	55.63	57.02	65.06	66.73
3.684	38	6.667	140	24.562	20.32	21.84	23.34	24.83	26.30	29.21	36.09	39.49	40.62	43.44	50.46	51.86	59.96	61.63
3.733	30	5.263	112	19.650	26.29	27.72	29.15	30.57	31.98	34.81	41.54	44.90	46.01	48.80	55.75	57.15	65.19	66.86
3.733	45	7.895	168	29.475					20.03	23.21	30.45	33.96	35.12	38.00	45.14	46.56	54.74	56.42
3.733	60	10.527	224	39.300										25.60	33.51	35.03	43.63	45.38
3.750	48	8.421	180	31.580							27.87	31.47	32.65	35.58	42.79	44.22	52.45	54.15
3.774	53	9.299	200	35.089							23.18	27.04	28.28	31.34	38.76	40.22	48.57	50.29
3.784	37	6.492	140	24.562	20.43	21.95	23.45	24.94	26.41	29.33	36.21	39.62	40.74	43.56	50.59	51.99	60.08	61.76
3.862	29	5.088	112	19.650	26.41	27.84	29.27	30.69	32.10	34.93	41.66	45.02	46.14	48.92	55.88	57.27	65.32	66.98
3.889	36	6.316	140	24.562	20.54	22.06	23.56	25.05	26.52	29.44	36.33	39.74	40.87	43.69	50.71	52.11	60.21	61.88
3.907	43	7.544	168	29.475					20.23	23.43	30.67	34.19	35.35	38.24	45.38	46.80	54.98	56.67
4.000	28	4.912	112	19.650	26.53	27.96	29.39	30.81	32.22	35.05	41.79	45.15	46.26	49.05	56.01	57.40	65.45	67.11
4.000	35	6.141	140	24.562	20.65	22.17	23.68	25.17	26.64	29.56	36.45	39.86	40.99	43.81	50.83	52.24	60.34	62.01
4.000	45	7.895	180	31.580						20.61	28.20	31.81	32.99	35.92	43.15	44.58	52.82	54.51
4.000	50	8.772	200	35.089							23.49	27.36	28.61	31.67	39.10	40.56	48.93	50.64
4.000	56	9.825	224	39.300										26.01	33.95	35.47	44.09	45.84
Length Factor*					1.01	1.02	1.03	1.04	1.05	1.07	1.12	1.14	1.14	1.16	1.19	1.20	1.24	1.25

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

* The length correction factor must be used to determine the proper belt width.

Selection program available online at ptwizard.com

14M HT500 Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches												
	Driver		Driven		994-14MX	1120-14MX	1190-14MX	1260-14MX	1400-14MX	1568-14MX	1610-14MX	1750-14MX	1890-14MX	1960-14MX	2100-14MX	2240-14MX	2310-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches													
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**
4.118	34	5.965	140	24.562												17.60	19.19
4.167	48	8.421	200	35.089													
4.186	43	7.544	180	31.580													
4.200	40	7.018	168	29.475													
4.226	53	9.299	224	39.300													
4.242	33	5.790	140	24.562												17.70	19.30
4.308	39	6.842	168	29.475													
4.375	32	5.614	140	24.562												17.81	19.41
4.421	38	6.667	168	29.475													
4.444	45	7.895	200	35.089													
4.480	50	8.772	224	39.300													
4.500	40	7.018	180	31.580													
4.516	31	5.439	140	24.562												17.91	19.51
4.541	37	6.492	168	29.475													
4.615	39	6.842	180	31.580													
4.651	43	7.544	200	35.089													
4.667	30	5.263	140	24.562												18.02	19.62
4.667	36	6.316	168	29.475													
4.667	48	8.421	224	39.300													
4.737	38	6.667	180	31.580													
4.800	35	6.141	168	29.475													
4.828	29	5.088	140	24.562												18.12	19.73
4.865	37	6.492	180	31.580													
4.941	34	5.965	168	29.475													
4.978	45	7.895	224	39.300													
5.000	28	4.912	140	24.562												18.23	19.83
5.000	36	6.316	180	31.580													
5.000	40	7.018	200	35.089													
5.091	33	5.790	168	29.475													
5.128	39	6.842	200	35.089													
5.143	35	6.141	180	31.580													
5.209	43	7.544	224	39.300													
5.250	32	5.614	168	29.475													
5.263	38	6.667	200	35.089													
5.294	34	5.965	180	31.580													
5.405	37	6.492	200	35.089													
5.419	31	5.439	168	29.475													
5.455	33	5.790	180	31.580													
5.556	36	6.316	200	35.089													
5.600	30	5.263	168	29.475													
5.600	40	7.018	224	39.300													
5.625	32	5.614	180	31.580													
5.714	35	6.141	200	35.089													
5.744	39	6.842	224	39.300													
5.793	29	5.088	168	29.475													
5.806	31	5.439	180	31.580													
5.882	34	5.965	200	35.089													
5.895	38	6.667	224	39.300													
6.000	28	4.912	168	29.475													
6.000	30	5.263	180	31.580													
6.054	37	6.492	224	39.300													
6.061	33	5.790	200	35.089													
6.207	29	5.088	180	31.580													
6.222	36	6.316	224	39.300													
6.250	32	5.614	200	35.089													
6.400	35	6.141	224	39.300													
6.429	28	4.912	180	31.580													
6.452	31	5.439	200	35.089													
6.588	34	5.965	224	39.300													
6.667	30	5.263	200	35.089													
6.788	33	5.790	224	39.300													
6.897	29	5.088	200	35.089													
7.000	32	5.614	224	39.300													
7.143	28	4.912	200	35.089													
7.226	31	5.439	224	39.300													
7.467	30	5.263	224	39.300													
7.724	29	5.088	224	39.300													
8.000	28	4.912	224	39.300													
Length Factor*					**0.68**	**0.73**	**0.75**	**0.77**	**0.81**	**0.85**	**0.86**	**0.89**	**0.92**	**0.94**	**0.96**	**0.99**	**1.00**

* The length correction factor must be used to determine the proper belt width.

SELECTION

DODGE

14M HT500 Selection Table (Continued)

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		2380-14MX	2450-14MX	2520-14MX	2590-14MX	2660-14MX	2800-14MX	3136-14MX	3304-14MX	3360-14MX	3500-14MX	3850-14MX	3920-14MX	4326-14MX	4410-14MX
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.07**	**1.12**	**1.14**	**1.14**	**1.16**	**1.19**	**1.20**	**1.24**	**1.25**
4.118	34	5.965	140	24.562	20.75	22.28	23.79	25.28	26.75	29.68	36.57	39.98	41.11	43.93	50.96	52.36	60.46	62.14
4.167	48	8.421	200	35.089							23.70	27.58	28.82	31.89	39.33	40.79	49.16	50.88
4.186	43	7.544	180	31.580						20.81	28.42	32.03	33.21	36.15	43.38	44.82	53.06	54.76
4.200	40	7.018	168	29.475				18.87	20.55	23.75	31.01	34.54	35.70	38.59	45.74	47.16	55.35	57.04
4.226	53	9.299	224	39.300										26.32	34.28	35.80	44.43	46.18
4.242	33	5.790	140	24.562	20.86	22.39	23.90	25.39	26.86	29.79	36.68	40.10	41.23	44.05	51.08	52.49	60.59	62.26
4.308	39	6.842	168	29.475				18.97	20.65	23.86	31.13	34.65	35.81	38.71	45.86	47.28	55.47	57.16
4.375	32	5.614	140	24.562	20.97	22.50	24.01	25.50	26.98	29.91	36.80	40.22	41.35	44.17	51.21	52.61	60.71	62.39
4.421	38	6.667	168	29.475				19.08	20.75	23.97	31.24	34.77	35.93	38.82	45.98	47.40	55.60	57.29
4.444	45	7.895	200	35.089							24.01	27.90	29.15	32.22	39.67	41.14	49.52	51.24
4.480	50	8.772	224	39.300										26.63	34.60	36.13	44.77	46.53
4.500	40	7.018	180	31.580						21.12	28.75	32.37	33.55	36.49	43.73	45.17	53.42	55.12
4.516	31	5.439	140	24.562	21.08	22.61	24.12	25.62	27.09	30.02	36.92	40.34	41.47	44.30	51.33	52.73	60.84	62.51
4.541	37	6.492	168	29.475				19.18	20.86	24.07	31.35	34.88	36.04	38.94	46.10	47.52	55.72	57.41
4.615	39	6.842	180	31.580						21.23	28.86	32.48	33.66	36.61	43.85	45.29	53.54	55.24
4.651	43	7.544	200	35.089							24.21	28.11	29.36	32.44	39.90	41.37	49.75	51.47
4.667	30	5.263	140	24.562	21.19	22.72	24.23	25.73	27.21	30.14	37.04	40.46	41.59	44.42	51.45	52.86	60.97	62.64
4.667	36	6.316	168	29.475				19.28	20.96	24.18	31.46	35.00	36.16	39.06	46.22	47.64	55.84	57.53
4.667	48	8.421	224	39.300										26.84	34.82	36.35	45.00	46.76
4.737	38	6.667	180	31.580						21.33	28.97	32.59	33.78	36.72	43.97	45.41	53.66	55.36
4.800	35	6.141	168	29.475				19.38	21.06	24.29	31.58	35.11	36.27	39.17	46.34	47.76	55.96	57.65
4.828	29	5.088	140	24.562	21.30	22.83	24.34	25.84	27.32	30.25	37.16	40.58	41.71	44.54	51.58	52.98	61.09	62.77
4.865	37	6.492	180	31.580						21.43	29.08	32.70	33.89	36.84	44.09	45.52	53.78	55.48
4.941	34	5.965	168	29.475				19.48	21.17	24.39	31.69	35.23	36.39	39.29	46.46	47.88	56.08	57.78
4.978	45	7.895	224	39.300										27.14	35.15	36.68	45.34	47.10
5.000	28	4.912	140	24.562	21.40	22.94	24.45	25.95	27.43	30.37	37.28	40.70	41.83	44.66	51.70	53.10	61.22	62.89
5.000	36	6.316	180	31.580						21.53	29.19	32.81	34.00	36.95	44.20	45.64	53.90	55.61
5.000	40	7.018	200	35.089							24.52	28.43	29.68	32.77	40.24	41.71	50.11	51.83
5.091	33	5.790	168	29.475				19.58	21.27	24.50	31.80	35.34	36.50	39.40	46.57	48.00	56.21	57.90
5.128	39	6.842	200	35.089							24.62	28.53	29.79	32.88	40.35	41.82	50.22	51.95
5.143	35	6.141	180	31.580						21.63	29.30	32.93	34.11	37.06	44.32	45.76	54.02	55.73
5.209	43	7.544	224	39.300										27.35	35.37	36.90	45.57	47.33
5.250	32	5.614	168	29.475				19.69	21.38	24.61	31.91	35.45	36.62	39.52	46.69	48.12	56.33	58.02
5.263	38	6.667	200	35.089							24.73	28.64	29.90	32.99	40.47	41.94	50.34	52.06
5.294	34	5.965	180	31.580						21.74	29.41	33.04	34.23	37.18	44.44	45.88	54.15	55.85
5.405	37	6.492	200	35.089							24.83	28.75	30.01	33.10	40.58	42.05	50.46	52.18
5.419	31	5.439	168	29.475			18.00	19.79	21.48	24.71	32.03	35.57	36.73	39.64	46.81	48.24	56.45	58.14
5.455	33	5.790	180	31.580						21.84	29.52	33.15	34.34	37.29	44.56	45.99	54.27	55.97
5.556	36	6.316	200	35.089							24.93	28.85	30.11	33.21	40.70	42.17	50.58	52.30
5.600	30	5.263	168	29.475			18.10	19.89	21.58	24.82	32.14	35.68	36.85	39.75	46.93	48.36	56.57	58.26
5.600	40	7.018	224	39.300									24.13	27.66	35.69	37.23	45.91	47.67
5.625	32	5.614	180	31.580						21.94	29.62	33.26	34.45	37.41	44.67	46.11	54.39	56.09
5.714	35	6.141	200	35.089							25.03	28.96	30.22	33.32	40.81	42.28	50.69	52.42
5.744	39	6.842	224	39.300									24.23	27.76	35.80	37.34	46.02	47.79
5.793	29	5.088	168	29.475			18.19	19.99	21.69	24.93	32.25	35.80	36.96	39.87	47.05	48.48	56.69	58.39
5.806	31	5.439	180	31.580						22.04	29.73	33.37	34.56	37.52	44.79	46.23	54.51	56.21
5.882	34	5.965	200	35.089							25.14	29.07	30.33	33.43	40.92	42.39	50.81	52.53
5.895	38	6.667	224	39.300									24.32	27.86	35.91	37.45	46.14	47.90
6.000	28	4.912	168	29.475			18.29	20.09	21.79	25.03	32.36	35.91	37.08	39.99	47.17	48.60	56.81	58.51
6.000	30	5.263	180	31.580						22.14	29.84	33.48	34.68	37.63	44.91	46.35	54.63	56.33
6.054	37	6.492	224	39.300									24.42	27.96	36.02	37.56	46.25	48.01
6.061	33	5.790	200	35.089							25.24	29.17	30.43	33.53	41.03	42.51	50.93	52.65
6.207	29	5.088	180	31.580						22.25	29.95	33.59	34.79	37.75	45.02	46.46	54.75	56.45
6.222	36	6.316	224	39.300									24.52	28.07	36.12	37.67	46.36	48.13
6.250	32	5.614	200	35.089							25.34	29.28	30.54	33.64	41.15	42.62	51.04	52.77
6.400	35	6.141	224	39.300									24.62	28.17	36.23	37.78	46.48	48.24
6.429	28	4.912	180	31.580					18.70	22.35	30.06	33.71	34.90	37.86	45.14	46.58	54.87	56.57
6.452	31	5.439	200	35.089							25.44	29.38	30.65	33.75	41.26	42.74	51.16	52.89
6.588	34	5.965	224	39.300								23.19	24.72	28.27	36.34	37.88	46.59	48.36
6.667	30	5.263	200	35.089							25.55	29.49	30.76	33.86	41.37	42.85	51.28	53.01
6.788	33	5.790	224	39.300								23.28	24.82	28.37	36.45	37.99	46.70	48.47
6.897	29	5.088	200	35.089							25.65	29.59	30.86	33.97	41.49	42.96	51.40	53.12
7.000	32	5.614	224	39.300								23.38	24.92	28.47	36.56	38.10	46.82	48.58
7.143	28	4.912	200	35.089							25.75	29.70	30.97	34.08	41.60	43.08	51.51	53.24
7.226	31	5.439	224	39.300								23.48	25.02	28.58	36.66	38.21	46.93	48.70
7.467	30	5.263	224	39.300								23.58	25.11	28.68	36.77	38.32	47.04	48.81
7.724	29	5.088	224	39.300								23.67	25.21	28.78	36.88	38.43	47.15	48.93
8.000	28	4.912	224	39.300								23.77	25.31	28.88	36.99	38.54	47.27	49.04
Length Factor*					**1.01**	**1.02**	**1.03**	**1.04**	**1.05**	**1.07**	**1.12**	**1.14**	**1.14**	**1.16**	**1.19**	**1.20**	**1.24**	**1.25**

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

* The length correction factor must be used to determine the proper belt width.

Overhung Load Calculations

Overhung load is an important consideration for drive design. Motor and reducer bearings are rated for specific load capacities to achieve calculated life. If the drive design is such that bearing loads are exceeded, life will be proportionally reduced. Likewise, if the drive exerts a lesser load on the bearings, life will be extended. Needless to say, drive design that keeps bearing loads below ratings can pay big dividends.

BELT PULL: The basis for overhung load calculation is belt pull. Belt pull is the result of torque being transmitted when the belt exerts a pull on the sprocket diameter.

EXAMPLE: 5 hp at 200 RPM is 1,575 inch-pounds of torque. If a 6" diameter sprocket is used, (3 inch radius), 1,575/3 = 525 pounds effective belt pull is required. Note that if a larger diameter sprocket is used, belt pull is reduced accordingly.

Belt pull can be calculated using the following formula:

$$\text{Belt Pull (lbs)} = \frac{126{,}000 \times HP \times F}{RPM \times PD}$$

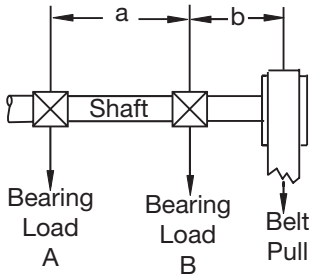
Where: HP = Name plate horsepower of the motor or driver

F = Drive Factor (1.3 for synchronous belt)

RPM = Shaft RPM

PD = Pitch Diameter of Sprocket

BEARING LOAD: Belt pull translates into bearing load and is greatly affected by the location of the sprocket on the shaft. Fig. 1 shows an example of what happens as the distance between the centerline of belt pull and the adjacent bearing is extended.



Overhung Sheave

$$\text{Load at B, lbs.} = \frac{\text{Belt Pull} \times (a + b)}{a}$$

Fig. 1

a	b	Belt Pull	Bearing Load "B"
10 in	1 in	500 lbs	550 lbs
10 in	5 in	500 lbs	750 lbs

Now consider the same situation for a motor or gearbox. Referring to Fig. 2, it should be obvious that the sprocket should be mounted as close as possible to the face of the gearbox.

As the distance between the gearbox face and sprocket increases, the bearing load is also increased, which leads to a reduction in bearing life.

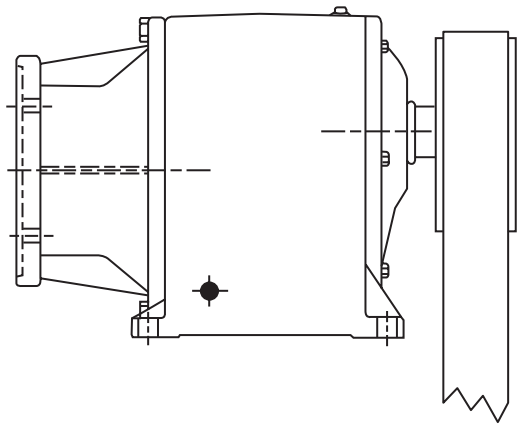


Fig. 2

Another warning from gearbox manufacturers is that the centerline of belt pull should not extend beyond the end of the shaft. Given a choice of a small diameter, wide face-width drive design, or a larger diameter, narrower face-width alternative, the latter would be preferable if bearing life is an important consideration.

DRIVE DESIGN CONSIDERATIONS

For any given application, there are usually several possible drive alternatives. In some cases, the selection with the smallest diameter sprockets might be the least expensive. As can be seen from the previous discussion, this alternative could be a bad choice. Smaller diameter sprockets lead to higher belt pull; their greater width is also more sensitive to misalignment.

HT500 Drive Installation

Sprocket Installation

1. Thoroughly inspect the bore of the sprocket and the tapered surface of the bushing. Any paint, dirt, oil or grease must be removed.
2. Assemble bushing into sprocket. Loosely insert the screws into assembly. At least one sprocket must have flanges.
3. With key in keyseat of shaft, slide sprocket to its desired position with screw heads to the outside. If it is hard to slide the bushing onto the shaft, check shaft for burrs, etc.
4. Line up assembly so as not to misalign belts and tighten screws evenly and progressively. Apply the recommended torque to screws.

Sprocket Alignment

HT500 sprocket alignment and parallelism of the shafts is very important. Proper alignment helps to equalize the load across the entire belt width, thereby reducing wear and extending belt life.

Place a straightedge against the outside edge of the sprockets and move sprockets until the straightedge touches the two outside and two inside edges of the sprockets. The straightedge should cross the sprockets as close to the shafts as possible. A string can be used if a straightedge is not available. Remember the string should contact at four points as explained above. Note that the precision laser alignment tool (pn **109993**) is an accurate and practical alternative to the straightedge method.

After aligning the sprockets, check the rigidity of the supporting framework. Shafts should be well supported to prevent distortion and a resulting change in the center distance under load. Do not use spring-loaded or weighted idlers. Idler sprockets or pulleys must be locked into position after adjusting belt tension.

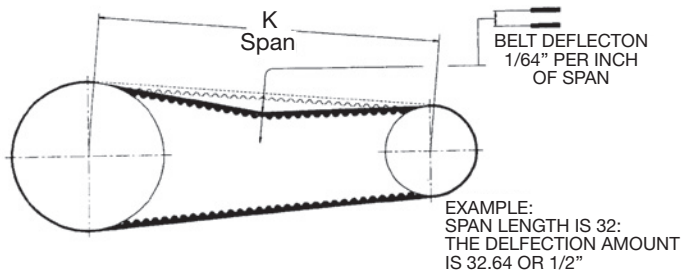
Belt Installation and Tensioning

Do not pry or otherwise force the belt onto the sprockets, as this can result in permanent damage to the belt. Reduce the center distance between the pulleys so that the belt can be easily installed.

HT500 drives must be properly tensioned. If the belt is too loose, it may jump teeth when heavier loads are applied. If the belt is too tight, belt life will suffer, and bearings will be unnecessarily overloaded. Improper tension can result in excessive drive noise.

Force/Deflection Tensioning Procedure:

First, measure the span length and calculate the deflection distance of 1/64, per inch span (see illustration).



Apply the calculated deflection force at the center of the span. Measure the deflection with this force applied. Move the center distance until the proper deflection is obtained.

Sonic Tension Meter Method:

The Sonic Tension Meter (pn **109994**) measures frequency in the belt upon an applied stimulus. The meter will then provide an output of both frequency and calculated static tension. The static tension is calculated based upon three user inputs: belt width, span (as measured in the above illustration) and the belt's mass constant. Variables for belt mass constants are provided in the following table.

Belt		Adjusted Belt Weight (g/m)
HT200	5M	4.1
HT200	8M	5.5
HT200	14M	9.6
HT250	8M	5.8
HT250	14M	9.7
HTD	8M	6.2
HTD	14M	9.9
HTD	20M	12.8
HT500	14M	7.9
HT500	8M	4.7

To measure the belt's span vibration:

Input parameters of span length, belt width and the belt mass constant into the meter.

Press the MEASURE button on the meter.

Thumb the belt at center span as if strumming a guitar string.

Hold the microphone ¼" away from the back of the belt.

The tension meter will display static tension and frequency. Compare the frequency output to the formula below. Note that drive outputs of static tension and frequency are also provided on-line from the ViaSync selection program at www.ptwizard.com.

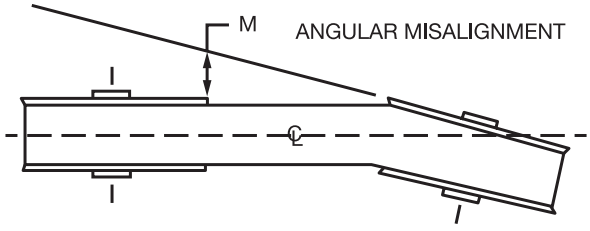
$$T = 4 * M * W * S^2 * f^2 * 10^{-9}$$

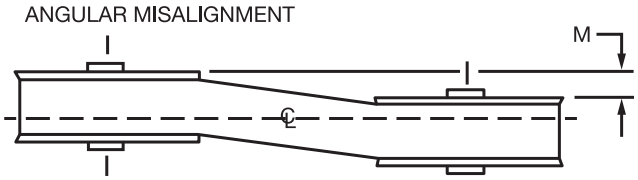
Where:
- T = Belt span tension (Newtons)
- M = Belt mass constant (g/m)
- W = Belt width (mm)
- S = Span length (mm)
- f = Natural frequency of the belt at applied tension (Hz)

ENGINEERING/TECHNICAL

Drive Alignment

Good tracking of synchronous belts on their sprockets depends upon alignment to within ¼°. This translates to a maximum "M" dimension of 0.05" per foot center distance.





Drive Tensioning

Formula Method

The formula method for determining belt tension may be used for greater accuracy.

Step 1. Calculate Min. Installation Tension:

Formula 1:

$$T = \frac{20\,(HP)}{V} + mV^2$$

Where: HP = Horsepower
V = Belt Velocity/1000 (in FPM)
m = Value in Table 1.
Belt Velocity = PD x RPM x 0.262
(PD = Pitch Dia. in inches)

***Important!** If formula calculation for "T" is less than "Min T. Value" (Table 2) use the "Min T. Value" for T. Always use the greater T value; i.e. from T Formula 1 or Table 2.

Step 2. Calculate Deflection Forces:

Formula 2:

$$MinForce = \frac{1.0 * T + \left(\frac{K}{L}\right) Y}{16}$$

Formula 3:

$$MaxForce = \frac{1.1 * T + \left(\frac{K}{L}\right) Y}{16}$$

Note: For used belt, use 0.7*T to 0.8*T instead of the 1.0*T and 1.1*T for new belts.
T = Static tension, lbs
L = Belt length, inches
Y = Factor from Table 2.
K = Span length, inches
CD = Center distance, inches
D = Large pulley diameter, inches
D = Small pulley diameter, inches

$$k = \sqrt{CD^2 - \frac{(D-d)^2}{4}}$$

Drive Tensioning

Table 1

	Pitch	Width	m	Y	Min Ts
HT200	5 mm	15 mm	0.28	24.9	14
HT200	5 mm	25 mm	0.47	41.5	23
HT200	8 mm	20 mm	0.58	34.2	19
HT200	8 mm	30 mm	0.88	51.3	30
HT200	8 mm	50 mm	1.46	85.5	52
HT200	8 mm	85 mm	2.45	145.3	95
HT200	14 mm	40 mm	1.78	93.0	77
HT200	14 mm	55 mm	2.44	127.9	120
HT200	14 mm	85 mm	3.77	197.7	206
HT200	14 mm	115 mm	5.11	267.5	291
HT200	14 mm	170 mm	7.55	395.4	447
HTD	20 mm	115 mm	7.24	367.0	392
HTD	20 mm	170 mm	10.71	542.5	603
HTD	20 mm	230 mm	14.49	734.0	834
HTD	20 mm	290 mm	18.27	925.4	1065
HTD	20 mm	340 mm	21.42	1085.0	1258
HT250	8 mm	20	0.54	42.29	19
HT250	8 mm	30	0.81	63.44	30
HT250	8 mm	50	1.35	105.7	52
HT250	8 mm	85	2.29	179.7	95
HT250	14 mm	40	1.80	93.04	77
HT250	14 mm	55	2.48	127.9	120
HT250	14 mm	85	3.83	197.7	206
HT250	14 mm	115	2.18	267.5	291
HT250	14 mm	170	7.66	395.4	448
HT500	8 mm	12 mm	0.33	65	28
HT500	8 mm	21 mm	0.57	113	49
HT500	8 mm	36 mm	0.97	194	84
HT500	8 mm	62 mm	1.68	335	145
HT500	14 mm	20 mm	0.92	230	119
HT500	14 mm	37 mm	1.69	4.26	220
HT500	14 mm	68 mm	3.11	782	405
HT500	14 mm	90 mm	4.12	1035	536
HT500	14 mm	125 mm	5.72	1438	744

ENGINEERING/TECHNICAL

Software: Via - SYNC

For any given synchronous drive application, there may be several DODGE HT500, HT200, HTD or DODGE DYNA-SYNC® product combinations that could satisfy the requirements. Finding the best drive can be a time-consuming and frustrating task.

The DODGE VIA-SYNC program provides selections for all of these product offerings for both TAPER-LOCK® and QD* type sprockets. All relevant data for limited and unlimited drive selections is presented in a format that allows quick and accurate analysis and sorting, whether based upon lowest price, minimum bearing load, highest service factor, etc.

VIA-SYNC calculates speed up drives or drives for nonstandard motor speeds. The most appropriate selection can then be specified, which contains sprocket, bushing and belt sizes and part numbers.

VIA-SYNC has the capability of sharing data with DODGE T-A DISCovery™ or DODGE SCD DISCovery™ programs.

Dodge VIA-SYNC can be accessed from www.ptwizard.com. Additional troubleshooting and selection assistance is available at 864-284-5700.

Troubleshooting

Problem	Cause	Remedy
Unusual Noise	Misaligned drive	Re-adjust alignment
	Hi or Low belt tension	Adjust to recommended value
	Backside idler	Use inside idler
	Worn sprocket	Replace sprocket
	Bent sprocket flange	Replace or repair
	Excessive belt speed	Redesign drive
	Incorrect belt profile	Replace with DODGE belt
	Subminimal spkt. dia.	Redesign with lager spkts.
	Excessive load	Use higher capacity drive
	Weak mntg. structure	
Loss of Belt Tension	Weak mntg. structure	Reinforce mounting structure
	Excessive spkt. wear	Use wear-resistant sprockets
	Fixed center drive	Install inside idler
	Excessive debris	Install adequate drive guard.
	Excessive load	Use higher capacity drive
	Subminimal spkt. dia.	Redesign drive
	Drive running hot	Use heat fingers on hot shaft
	Belt degradation	Protect from excessive heat
Belt Edge Wear	Damaged flanges	Repair or replace sprocket
	Low belt tension	Adjust to recommended value
	Poor tracking	Correct alignment
	Guard interference	Remove obstruction, add idler
Pre-mature Tooth Wear	Improper tension	Correct drive tension
	Poor alignment	Correct drive alignment
	Wrong belt type	Use correct DODGE belt
	Worn sprocket	Replace
	Damaged sprocket	Replace
	Excessive load	Use higher capacity drive
	Dirt or debris	Install adequate drive guard
	Sprocket wobble	Correct bushing installation
Tooth Shear	Shock loads	Use higher capacity drive
	Few teeth in mesh	Redesign drive
	Worn sprocket	Replace
	Backside idler	Use inside idler
	Wrong belt profile	Use correct DODGE belt
	Low belt tension	Adjust to recommended value
Tensile Break	Shock load	Use higher capacity drive
	Subminimal spkt. dia.	Redesign with larger spkts.
	Debris in drive	Install adequate drive guard
	Improper belt handling, storage	Do not crimp belt or subject it to sharp bends

Problem	Cause	Remedy
Belt Cracking	Subminimal spkt. dia.	Redesign with larger spkts.
	Backside idler	Install inside idler
	Start-up temp below 180 degrees F	Preheat drive before start-up
	Extended exposure to harsh chemicals	Protect drive
Bearing Failure	Excessive belt tension	Adjust to recommended value
	Drive misalignment	Re-adjust alignment
	Subminimal spkt. dia.	Redesign with larger spkts.
Vibration	Wrong belt profile	Install correct DODGE belt
	Hi or Low belt tension	Adjust to recommended value
	Loose key or bushing	Install per instructions
	Loose mounting structure	Reinforce or tighten
Belt not Tracking	Misalignment	Re-adjust alignment
	Long center distance	Carefully adjust alignment
	Mtg. structure bending	Reinforce mounting structure

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FEATURES/BENEFITS

Sprockets for Roller Chain

FEATURING TAPER-LOCK SPROCKETS . . . . .

Shaft Ready

For low-speed roller chain drives, DODGE TAPER-LOCK sprockets are the perfect solution for extra muscle.

Advantages

- Features Compact design
- Installs easily
- Fits shaft securely
- Comes in wide range of stock sizes
- Allows exact ratio/rating required for your operation
- Installation-ready, right from the box
- Meets ANSI standards
- B-reborable and A-plate sprockets available Contact Dodge at www.dodge-pt.com

Hardened Teeth at No Extra Cost

- Through 25 teeth
- #40 through #160
- No price premium

Advantages

- Offers twice the wear life
- Saves downtime and replacement costs
- Equalizes wear between large and small sprocket
- Offers greater resistance against abrasive wear
- Extends chain life

DoubleStrand TAPER-LOCK Sprocket

Single TAPER-LOCK Sprocket

Double-Single TAPER-LOCK Sprocket

HARDENED TOOTH SPROCKETS LIKE THIS

With Hardened Tooth Sprockets

AVOID SPROCKET WEAR LIKE THIS

Without Hardened Tooth Sprockets

Other Sprocket Types From Dodge

B-Reborable Sprockets

A-Plate Sprockets

Simple Mounting

Easy On

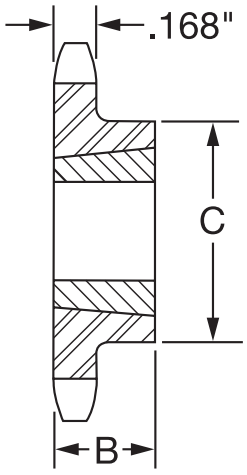
- Insert busing into sprocket.
- Match holes (not threads)
- Put screws into holes that are farthest apart.
- Slip unit onto shaft.
- Set drive alignment and tighten screws

Easy On

- Take both screws out entirely.
- Insert one screw into hole that is threaded in the bushing only.
- Use as jackscrew to disengage bushing.

DODGE

No. 35 for 3/8" Pitch Single Strand Chain



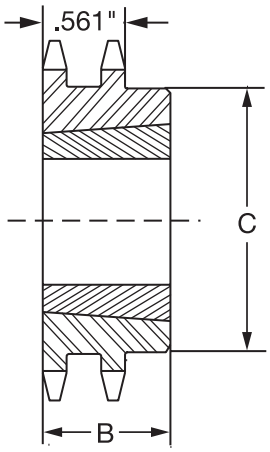
TYPE BTL

TAPER-LOCK Sprockets

No. of Teeth	Spkt. O.D.	Description	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range Min.	Bore Range Max.	B
18	2.352	35BTL18-1008	**100350**	0.5	1.88 ◊			
19	2.472	35BTL19-1008	**100351**	0.6	1.81	1/2	1	.88
20	2.593	35BTL20-1008	**100352**	0.7	1.94			
21	2.713	35BTL21-1008	**100353**	0.8	2.06			
22	2.833	35BTL22-1210	**100354**	0.9	2.38 ◊			
23	2.954	35BTL23-1210	**100343**	1.0	2.88 ◊	1/2	1-1/4	1.0
24	3.074	35BTL24-1210	**100355**	1.0	2.88			
25	3.194	35BTL25-1210	**100344**	1.3	2.88			
26	3.314	35BTL26-1610	**100356**	1.3	2.88 ◊			
28	3.553	35BTL28-1610	**100345**	1.3	2.88			
30	3.793	35BTL30-1610	**100357**	1.4	3.13			
32	4.032	35BTL32-1610	**100358**	1.5	3.25			
35	4.392	35BTL35-1610	**100359**	1.6	3.25			
36	4.511	35BTL36-1610	**100346**	1.6	3.25			
40	4.990	35BTL40-1610	**100360**	2.1	3.25			
42	5.229	35BTL42-1610	**100347**	2.2	3.25			
45	5.588	35BTL45-1610	**100361**	2.3	3.25	1/2	1-5/8	1.0
48	5.946	35BTL48-1610	**100362**	2.5	3.25			
54	6.663	35BTL54-1610	**100363**	2.8	3.25			
60	7.380	35BTL60-1610	**100364**	3.2	3.25			
70	8.575	35BTL70-1610	**100365**	3.3	3.25			
72	8.814	35BTL72-1610	**100348**	4.1	3.25			
80	9.770	35BTL80-1610	**100366**	4.2	3.25			
84	10.247	35BTL84-1610	**100349**	5.1	3.25			
96	11.680	35BTL96-1610	**100367**	6.2	3.25			
112	13.590	35BTL112-1610	**100368**	8.0	3.25			

◊ Hub grooved for chain clearance.

No. 35-2 for 3/8" Pitch Double Strand Chain



TYPE BTL

TAPER-LOCK–Double

No. of Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	Bore Range Min.	Bore Range Max.	B	C Hub Dia.
19	2.472	D35BTL19H-1008	**101150**	.6	1/2	1	0.88	1.810
20	2.593	D35BTL20H-1008	**101151**	.8	1/2	1	0.88	1.880
21	2.713	D35BTL21H-1008	**101152**	1.4	1/2	1	0.88	1.810
22	2.833	D35BTL22H-1008	**101153**	1.7	1/2	1	0.88	1.810
24	3.074	D35BTL24H-1210	**101154**	1.8	1/2	1-1/4	1.00	2.470
26	3.314	D35BTL26-1210	**101155**	2.0	1/2	1-1/4	1.00	2.625
30	3.793	D35BTL30-1610	**101156**	1.8	1/2	1-5/8	1.00	3.125
32	4.032	D35BTL32-1610	**101157**	2.0	1/2	1-5/8	1.00	3.250
35	4.392	D35BTL35-1610	**101158**	2.3	1/2	1-5/8	1.00	3.250
40	4.990	D35BTL40-1610	**101159**	2.9	1/2	1-5/8	1.00	3.250
45	5.588	D35BTL45-1610	**101160**	3.2	1/2	1-5/8	1.00	3.250
48	5.946	D35BTL48-1610	**101161**	3.5	1/2	1-5/8	1.00	3.625
54	6.663	D35BTL54-1610	**101162**	3.9	1/2	1-5/8	1.00	3.625
70	8.575	D35BTL70-1610	**101164**	6.3	1/2	1-5/8	1.00	3.625
80	9.770	D35BTL80-1610	**101165**	7.9	1/2	1-5/8	1.00	3.625
96	11.680	D35BTL96-1610	**101166**	9.9	1/2	1-5/8	1.00	3.625
112	13.590	D35BTL112-1610	**101167**	10.9	1/2	1-5/8	1.00	3.625

+ "H" suffix indicates Hardened Teeth.

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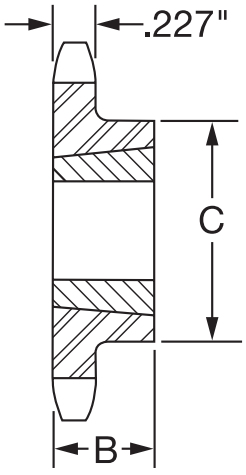
SPECIFICATION

No. 41 for 1/2” Pitch Single Strand Chain



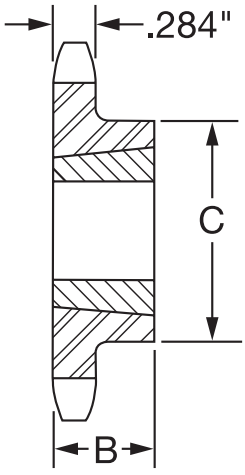
TYPE BTL

TAPER-LOCK Sprockets

No. of Teeth	Spkt. O.D.	Description	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range Min.	Bore Range Max.	B
14	2.490	41BTL14-1008	**100369**	.5	1.87◊			
15	2.652	41BTL15-1008	**100370**	.6	1.87	1/2	1	0.88
16	2.814	41BTL16-1008	**100371**	.7	2.00			
17	2.974	41BTL17-1210	**100372**	.8	2.38◊			
18	3.136	41BTL18-1210	**100373**	1.0	2.38◊	1/2	1-1/4	1.00
19	3.292	41BTL19-1210	**100374**	1.2	2.50			
20	3.457	41BTL20-1610	**100375**	1.3	2.88◊			
21	3.618	41BTL21-1610	**100376**	1.4	3.00◊			
22	3.778	41BTL22-1610	**100377**	1.5	3.00	1/2		
23	3.938	41BTL23-1610	**100392**	1.6	3.00			
24	4.098	41BTL24-1610	**100378**	1.6	3.00			
25	4.258	41BTL25-1610	**100393**	1.7	3.00			
26	4.418	41BTL26-1610	**100379**	1.7	3.00			
28	4.738	41BTL28-1610	**100380**	1.9	3.00			
30	5.057	41BTL30-1610	**100381**	2.0	3.00	1/2		
32	5.376	41BTL32-1610	**100382**	2.1	3.00			
35	5.856	41BTL35-1610	**100383**	2.5	3.00		1-5/8	1.00
36	6.015	41BTL36-1610	**100394**	2.6	3.00			
40	6.653	41BTL40-1610	**100384**	2.9	3.00			
45	7.450	41BTL45-1610	**100385**	3.7	3.00			
48	7.928	41BTL48-1610	**100386**	4.3	3.00			
54	8.725	41BTL54-1610	**100387**	5.1	3.00			
60	9.840	41BTL60-1610	**100388**	5.9	3.00			
70	11.433	41BTL70-1610	**100389**	7.6	3.00			
72	11.752	41BTL72-1610	**100395**	8.4	3.00			
80	13.026	41BTL80-1610	**100390**	9.8	3.00			
96	15.573	41BTL96-1610	**100391**	11.3	3.00			

◊ Hub grooved for chain clearance.

No. 40 for 1/2” Pitch Single Strand Chain



TYPE BTL

TAPER-LOCK Sprockets

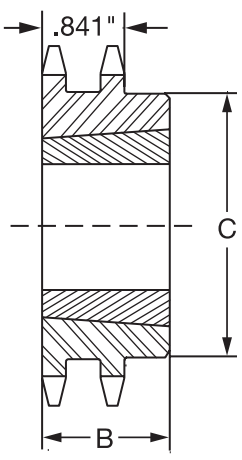
No. Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range Min.	Bore Range Max.	B
14	2.490	40BTL14H-1008	**100500**	0.4	1.81 ◊			
15	2.652	40BTL15H-1008	**100501**	0.4	1.81	1/2	1	0.88
16	2.814	40BTL16H-1008	**100502**	0.5	1.94			
17	2.974	40BTL17H-1210	**100503**	0.5	2.38 ◊			
18	3.136	40BTL18H-1210	**100504**	0.7	2.47 ◊	1/2	1-1/4	1.00
19	3.292	40BTL19H-1210	**100505**	0.8	2.47			
20	3.457	40BTL20H-1610	**100506**	0.8	2.78 ◊			
21	3.618	40BTL21H-1610	**100507**	0.8	2.78 ◊	1/2	1-11/16	1.00
22	3.778	40BTL22H-1610	**100508**	.8	2.78			
23	3.938	40BTL23H-1610	**100509**	1.2	3.00			
24	4.098	40BTL24H-1610	**100510**	1.5	3.25			
25	4.258	40BTL25H-1610	**100511**	1.6	3.25			
26	4.418	40BTL26-1610	**100512**	1.5	3.25	1/2	1-11/16	1.00
27	4.578	40BTL27-1610	**104700**	1.5	3.25			
28	4.738	40BTL28-1610	**100513**	1.5	3.00			
29	4.898	40BTL29-1610	**104701**	1.6	3.00			
30	5.057	40BTL30-1610	**100514**	1.7	3.00			
32	5.376	40BTL32-1610	**100515**	2.0	3.00	1/2	1-11/16	1.00
33	5.536	40BTL33-1610	**104702**	2.1	3.00			
34	5.696	40BTL34-1610	**104703**	2.3	3.00			
35	5.856	40BTL35-1610	**100516**	2.4	3.00			
36	6.015	40BTL36-1610	**100517**	2.4	3.00			
40	6.653	40BTL40-1610	**100518**	2.8	3.00	1/2	1-11/16	1.00
42	6.972	40BTL42-1610	**100519**	3.0	3.00			
44	7.291	40BTL44-1610	**104707**	3.2	3.00			
45	7.450	40BTL45-1610	**100520**	3.8	3.00			
48	7.928	40BTL48-1610	**100521**	3.9	3.00			
50	8.248	40BTL50-1610	**104709**	4.5	3.00	1/2	1-11/16	1.00
54	8.725	40BTL54-1610	**100522**	5.0	3.00			
60	9.840	40BTL60-1610	**100523**	6.1	3.00			
70	11.433	40BTL70-2012	**100524**	8.6	3.56			
72	11.752	40BTL72-2012	**100525**	8.7	3.56			
80	13.026	40BTL80-2012	**100526**	10.9	3.56	1/2	2	1.25
84	13.663	40BTL84-2012	**100527**	11.8	3.56			
96	15.573	40BTL96-2012	**100528**	13.7	3.56			
112	18.121	40BTL112-2517	**100529**	21.3	4.25	1/2	2-1/2	1.75

◊ Hub grooved for chain clearance.

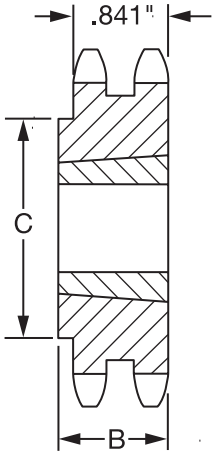
+ “H” suffix indicates Hardened Teeth.

SPECIFICATION

No. 40-2 for 1/2” Pitch Double Strand Chain



TYPE BTL 1



TYPE BTL 2

TAPER-LOCK Sprockets

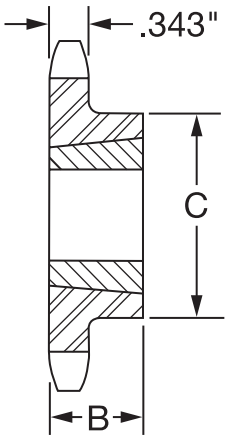
No. of Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range Min.	Bore Range Max.	B
15	2.652	D40BTL15H-1008•	**101001**	0.5	1.81			
16	2.814	D40BTL16H-1008	**101002**	0.7	1.27	1/2	1	0.88
17	2.974	D40BTL17H-1008	**101003**	0.8	1.27			
18	3.136	D40BTL18H-1210	**101004**	0.7	2.29	1/2	1-1/4	1.00
19	3.292	D40BTL19H-1210	**101005**	0.9	2.47			
20	3.457	D40BTL20H-1610	**101006**	1.1	3.25			
21	3.618	D40BTL21H-1610	**101007**	1.1	2.69	1/2	1-11/16	1.00
23	3.938	D40BTL23H-1610•	**101008**	1.4	3.00			
24	4.098	D40BTL24H-1610•	**104822**	1.6	3.25			
25	4.258	D40BTL25H-2012	**101009**	1.8	3.42			
26	4.418	D40BTL26-2012•	**104823**	2.3	3.56	1/2	2-1/8	1.25
30	5.057	D40BTL30-2012•	**101010**	3.6	3.56			
36	6.015	D40BTL36-2012•	**101011**	5.9	3.56			
42	6.972	D40CTL42-2517	**101012**	7.4				
45	7.450	D40BTL45-2517•	**104828**	8.5				
48	7.928	D40BTL48-2517•	**101013**	9.4				
52	8.566	D40BTL52-2517	**101014**	11.5				
60	9.840	D40BTL60-2517•	**101015**	15.5	4.25	1/2	2-11/16	1.75
68	11.115	D40BTL68-2517•	**101016**	20.5				
76	12.389	D40BTL76-2517•	**101017**	26.5				
84	13.663	D40BTL84-2517•	**101018**	32.0				
95	15.414	D40BTL95-2517•	**101019**	36.0				
102	16.528	D40BTL102-2517•	**101020**	44.0				

+ “H” suffix indicates Hardened Teeth.

• BTL2

SPECIFICATION

No. 50 for 5/8” Pitch Single Strand Chain



TYPE BTL

TAPER-LOCK Sprockets

No. of Teeth	Spkt. O.D.	Description	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range Min.	Bore Range Max.	B
12	2.708	50BTL12H-1008	**100530**	0.5	1.81 ◊	1/2	1	0.88
13	2.991	50BTL13H-1008	**100531**	0.5	1.81			
14	3.113	50BTL14H-1008	**100532**	0.6	1.81			
15	3.315	50BTL15H-1210	**100533**	0.6	2.47 ◊	1/2	1-1/4	1.00
16	3.517	50BTL16H-1610	**100534**	0.8	2.78 ◊	1/2	1-11/16	1.00
17	3.713	50BTL17H-1610	**100535**	1.1	2.78 ◊			
18	3.919	50BTL18H-1610	**100536**	1.2	2.84			
19	4.121	50BTL19H-1610	**100537**	1.3	3.03			
20	4.321	50BTL20H-1610	**100538**	1.4	3.25			
21	4.522	50BTL21H-1610	**100539**	1.5	3.25			
22	4.722	50BTL22H-1610	**100540**	1.6	3.25			
23	4.923	50BTL23H-2012	**100541**	2.2	3.56	1/2	2-1/8	1.25
24	5.123	50BTL24H-2012	**100542**	2.4				
25	5.323	50BTL25H-2012	**100543**	2.4				
26	5.523	50BTL26-2012	**100544**	2.5	4.00	1/2	2-3/8	1.25
27	5.723	50BTL27-2012	**100675**	2.8	4.00	1/2	2-1/8	1.25
28	5.922	50BTL28-2012	**100545**	3.0				
30	6.321	50BTL30-2012	**100546**	3.2	3.56			
32	6.721	50BTL32-2012	**100547**	3.5	3.56	1/2	2-1/8	1.25
35	7.319	50BTL35-2012	**100548**	4.2				
36	7.519	50BTL36-2012	**100549**	4.7	3.56	1/2	2-1/8	1.25
40	8.316	50BTL40-2012	**100550**	5.5				
42	8.715	50BTL42-2012	**100551**	6.0	3.56	1/2	2-1/8	1.25
45	9.313	50BTL45-2012	**100552**	6.5				
48	9.911	50BTL48-2012	**100553**	7.4				
54	11.106	50BTL54-2012	**100554**	8.7	3.56	1/2	2-1/8	1.25
60	12.301	50BTL60-2012	**100555**	10.5				
70	14.292	50BTL70-2517	**100556**	15.5	4.25	1/2	2-11/16	1.75
72	14.690	50BTL72-2517	**100557**	16.5				
80	16.283	50BTL80-2517	**100558**	19.0				
84	17.079	50BTL84-2517	**100559**	23.1				
96	19.467	50BTL96-2517	**100560**	32.5	4.25	1/2	2-11/16	1.75
112	22.651	50BTL112-2517	**100561**	42.2				

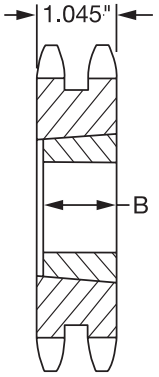
◊ Hub grooved for chain clearance.

TAPER-LOCK SPROCKETS–LARGE BORE SERIES

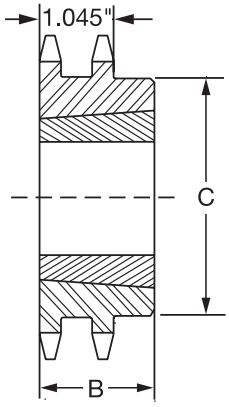
No. of Teeth	Spkt. O.D.	Description	Part No.	Wt.	C Hub Dia.	Bore Range Min.	Bore Range Max.	B
35	7.319	50BTL35L-2517	**100454**	4.7	4.25	1/2	2-11/16	1.75
45	9.313	50BTL45L-2517	**100699**	7.0	4.25	1/2	2-11/16	1.75

SPECIFICATION

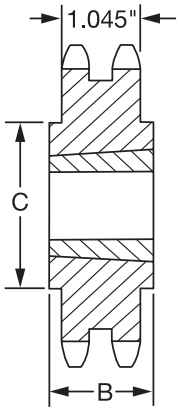
No. 50-2 for 5/8” Pitch Double Strand Chain



TYPE ATL



TYPE BTL

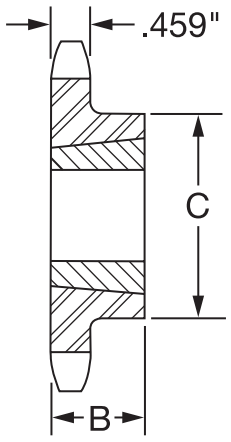


TYPE CTL

No. of Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	Hub Dia. C	Bore Range		B
						Min.	Max.	
14	3.113	D50ATL14H-1008	**101031**	0.9	....	1/2	1.0	0.88
15	3.315	D50ATL15H-1210	**101032**	1.0	....	1/2	1-1/4	1.0
16	3.517	D50ATL16H-1210	**101033**	1.1	....			
17	3.718	D50ATL17H-1610	**101034**	1.1	....	1/2	1-11/16	1.0
18	3.919	D50ATL18H-1610	**101035**	1.4	....			
19	4.121	D50ATL19H-1610	**101036**	1.7	....			
20	4.321	D50BTL20H-2012	**101037**	1.9	3.56	1/2	1-11/16	1.25
21	4.522	D50BTL21H-2012	**101038**	2.0				
22	4.722	D50BTL22H-2012	**104834**	2.5				
24	5.123	D50BTL24H-2012	**104836**	3.5				
25	5.323	D50BTL25H-2012	**101039**	4.0				
26	5.523	D50BTL26-2012	**104837**	4.7				
28	5.922	D50BTL28-2012	**104838**	6.3				
30	6.321	D50BTL30-2517	**101040**	7.8	4.25	1/2	2-11/16	1.75
32	6.721	D50BTL32-2517	**104839**	8.4				
35	7.319	D50BTL35-2517	**104840**	9.2				
36	7.519	D50CTL36-2517	**101041**	10.0				
42	8.715	D50CTL42-2517	**101042**	14.2				
48	9.911	D50CTL48-2517	**101043**	18.7				
52	10.708	D50CTL52-2517	**101044**	22.5				
60	12.301	D50CTL60-2517	**101045**	36.5				
68	13.894	D50CTL68-2517	**101046**	39.5				
76	15.486	D50CTL76-2517	**101047**	49.5				
84	17.079	D50CTL84-2517	**101048**	52.0				
95	19.268	D50CTL95-2517	**101049**	70.0				
102	20.661	D50CTL102-2517	**101050**	75.0				

+ “H” suffix indicates Hardened Teeth.

No. 60 for 3/4” Pitch Single Strand Chain



TYPE BTL

No. of Teeth	Spkt. O.D.	Description +	Part No.	Spkt. Wt. w/o Bush.	C Spkt. Hub Dia.	Bore Range Min.	Bore Range Max.	B Lgth. Thru Bore
11	3.005	60BTL11H-1008	**100562**	0.6	1.81	1/2	1	0.88
12	3.249	60BTL12H-1008	**100563**	0.7	1.94			
13	3.493	60BTL13H-1210	**100564** ◊	1.1	2.47	1/2	1-1/4	1.00
14	3.736	60BTL14H-1210	**100565**	1.2	2.59			
15	3.978	60BTL15H-1610	**100566**◊	1.4	2.78	1/2	1-11/16	1.00
16	4.220	60BTL16H-1610	**100567**	1.9	3.00			
17	4.462	60BTL17H-1610	**100568**	2.0	3.25			
18	4.703	60BTL18H-1610	**100569**	2.2	3.50			
19	4.945	60BTL19H-1610	**100570**	2.4	3.50			
20	5.186	60BTL20H-2012	**100571**	2.5	3.625	1/2	2-1/8	1.25
21	5.426	60BTL21H-2012	**100572**	2.9				
22	5.666	60BTL22H-2012	**100573**	3.0				
23	5.907	60BTL23H-2012	**100574**	3.2				
24	6.147	60BTL24H-2012	**100575**	3.2				
25	6.387	60BTL25H-2012	**100576**	3.8				
26	6.627	60BTL26-2012	**100577**	4.1				
27	6.867	60BTL27H-2012	**100676**	4.2				
28	7.106	60BTL28-2012	**100578**	4.2				
30	7.586	60BTL30-2012	**100579**	5.5				
32	8.065	60BTL32H-2012	**100580**	6.0				
35	8.783	60BTL35-2012	**100581**	7.0				
36	9.023	60BTL36H-2012	**100582**	7.0				
40	9.980	60BTL40H-2012	**100583**	8.7				
42	10.458	60BTL42-2012	**100584**	9.7				
45	11.176	60BTL45-2012	**100585**	10.7				
48	11.893	60BTL48-2012	**100586**	13.5				
54	13.327	60BTL54-2517	**100587**	17.8	4.25	1/2	2-11/16	1.75
60	14.761	60BTL60-2517	**100588**	20.7				
70	17.150	60BTL70-2517	**100589**	30.0				
72	17.628	60BTL72-2517	**100590**	31.6				
80	19.539	60BTL80-2517	**100591**	34.7				
84	20.495	60BTL84-2517	**100592**	44.7				

◊ Hub grooved for chain clearance.

+ “H” suffix indicates Hardened Teeth.

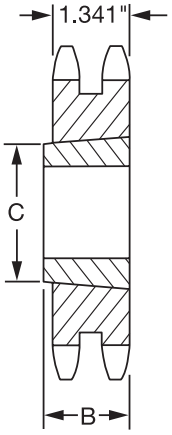
TAPER-LOCK SPROCKETS-Large Bore Series

No. of Teeth	Spkt. O.D.	Description L	Part No.	Wt.	Hub Dia. C	Bore Range Min.	Bore Range Max.	B Dim.
28	7.106	60BTL28L-2517	**100459**	4.8	4.25	1/2	2-11/16	1.75
35	8.783	60BTL35L-2517	**100461**	7.5	4.25	1/2	2-11/16	1.75
40	9.980	60BTL40L-2517	**100463**	9.2	4.25	1/2	2-11/16	1.75

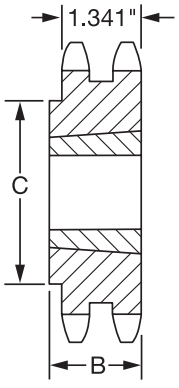
+ “H” suffix indicates Hardened Teeth.

SPECIFICATION

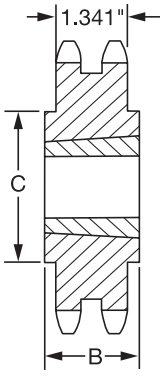
No. 60-2 for 3/4” Pitch Double Strand Chain



TYPE ATL



TYPE BTL1



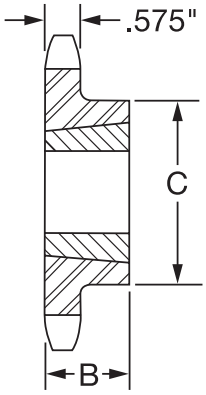
TYPE CTL

TAPER-LOCK - Double Strand

No. of Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range Min.	Bore Range Max.	B
13	3.493	D60BTL13H-1215•	**101061**	1.40	2.46		1-1/4	
14	3.736	D60BTL14H-1215•	**101062**	1.70	2.49	1/2	1-1/4	1.50
14T	3.736	D60BTL14H-1615•	**101086**	1.70	2.74		1-11/16	
15	3.978	D60BTL15H-1615•	**101063**	1.80	2.47			
16	4.220	D60BTL16H-1615•	**101064**	2.40	2.97	1/2	1-11/16	1.50
17	4.462	D60BTL17H-1615	**101065**	2.60	3.25			
18	4.703	D60ATL18H-2012	**101066**	2.80	. . .	1/2	2-1/8	1.25
19	4.945	D60ATL19H-2012	**101067**	3.10	. . .			
20	5.186	D60BTL20H-2517•	**101068**	3.30	3.95	1/2	2-11/16	1.75
21	5.426	D60BTL21H-2517•	**101069**	4.30	4.06			
24	6.147	D60BTL24H-2517	**104850**	7.20	4.25			
25	6.387	D60BTL25H-2517	**101070**	8.00				
30	7.586	D60BTL30-2517	**101071**	13.40	6.34			
36	9.023	D60BTL36-2517	**101072**	18.00				
42	10.458	D60BTL42-2517	**101073**	26.00		1/2	2-11/16	1.75
45	11.176	D60BTL45-2517	**101074**	30.00	4.25			
52	12.849	D60CTL52-2517	**101075**	41.00				
60	14.761	D60BTL60-2517	**101076**	33.00				
68	16.673	D60CTL68-2517	**101077**	37.00				
76	18.584	D60BTL76-3020	**101078**	42.00	5.25	7/8	3-1/4	2.00

+ “H” suffix indicates Hardened Teeth.
• BTL1

No. 80 for 1” Pitch Single Strand Chain



TYPE BTL

TAPER-LOCK

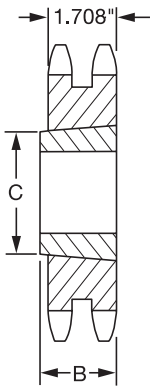
No. of Teeth	Spkt. O.D.	Description +	Part No.	Spkt. Wt. w/o Bush.	C Hub Dia.	Bore Range Min.	Bore Range Max.	B
10	3.678	80BTL10H-1215	**100593**	1.2	2.38◊	1/2	1-1/4	1.50
11	4.006	80BTL11H-1215	**100594**	1.5	2.38◊			
12	4.332	80BTL12H-1615	**100595**	1.5	2.94◊	1/2	1-11/16	1.50
13	4.657	80BTL13H-1615	**100596**	2.5	2.94			
14	4.981	80BTL14H-1615	**100597**	2.9	3.25			
15	5.304	80BTL15H-1615	**100598**	3.0	3.25			
16	5.627	80BTL16H-2012	**100599**	3.0	3.56	1/2	2-1/8	1.25
17	5.949	80BTL17H-2012	**100600**	3.5				
18	6.271	80BTL18H-2012	**100601**	4.0				
19	6.593	80BTL19H-2012	**100602**	4.5				
20	6.914	80BTL20H-2517	**100603**	5.5	4.25	1/2	2-11/16	1.75
21	7.235	80BTL21H-2517	**100604**	6.1				
22	7.555	80BTL22H-2517	**100605**	6.7				
23	7.876	80BTL23H-2517	**100606**	7.2				
24	8.196	808TL24H-2517	**100607**	7.5				
25	8.516	80BTL25H-2517	**100608**	8.5				
26	8.836	80BTL26H-2517	**100609**	8.5				
27	9.156	80BTL27-2517	**100678**	9.8				
28	9.475	80BTL28-2517	**100679**	10.7				
30	10.114	80BTL30-2517	**100610**	12.3				
32	10.753	80BTL32-2517	**100611**	13.4				
35	11.711	80BTL35-2517	**100612**	15.6				
36	12.030	80BTL36-2517	**100613**	16.3				
40	13.306	80BTL40-2517	**100614**	20.5				
42	13.944	80BTL42-2517	**104746**	25.1				
45	14.901	80BTL45-2517	**100615**	29.3				
48	15.857	80BTL48-2517	**100616**	34.6				
54	17.769	80BTL54-2517	**100617**	39.0				
60	19.681	80BTL60-2517	**100618**	51.3				
70	22.867	80BTL70-3020	**100619**	65.8	5.25	7/8	3-1/4	2.00
80	26.052	80BTL80-3020	**100620**	77.3				

◊ Hub grooved for chain clearance.

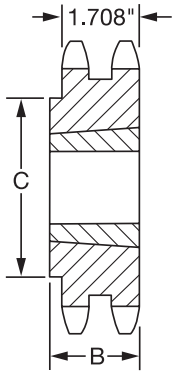
+ “H” suffix indicates Hardened Teeth.

SPECIFICATION

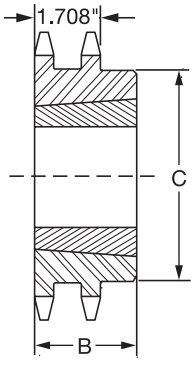
No. 80-2 for 1” Pitch Double Strand Chain



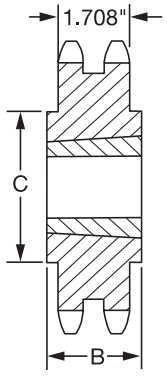
TYPE ATL



TYPE BTL 1



TYPE BTL 2

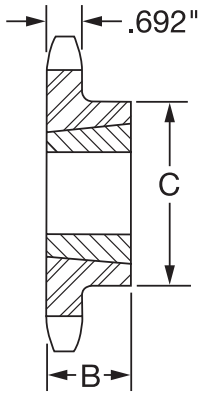


TYPE CTL

TAPER-LOCK - Double Strand

No. of Teeth	Spkt. O.D.	Description +	Part No.	Spkt. Wt. w/o Bush.	C Hub Dia.	Bore Range Min.	Bore Range Max.	B
13	4.657	D80ATL13H-1615	**101090**	3.3	. . . .	1/2	1-11/16	1.50
14	4.981	D80ATL14H-2012	**101091**	3.5	. . . .	1/2	2-1/8	1.25
15	5.304	D80ATL15H-2012	**101092**	4.4	. . . .			
16	5.627	D80ATL16H-2517	**101093**	4.6	. . . .	1/2	2-11/16	1.75
17	5.949	D80ATL17H-2517	**101094**	5.5	. . . .			
18	6.271	D80ATL18H-2517	**101095**	6.6	. . . .			
19	6.593	D80BTL19H-3020	**101096**	7.1	. . . .	7/8	3-1/4	2.00
20	6.914	D80BTL20H-3020	**101097**	8.2	5.25			
21	7.235	D80BTL21H-3020	**101098**	10.4	5.46			
23	7.876	D80BTL23H-3020	**104863**	12.0	5.25			
25	8.516	D80BTL25H-3020	**101099**	16.7				
30	10.114	D80BTL30-3020	**101100**	23.0				
36	12.030	D80BTL36-3020	**101101**	40				
42	13.944	D80BTL42-3020	**101102**	56				
60	19.681	D80CTL60-3020	**101105**	62				
68	22.230	D80CTL68-3020	**101106**	75				
76	24.778	D80CTL76-3020	**101107**	83				
95	30.828	D80CTL95-3020	**101108**	100				

No. 100 for 1-1/4” Pitch Single Strand Chain



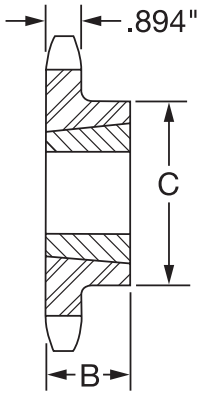
TYPE BTL 1

TAPER-LOCK

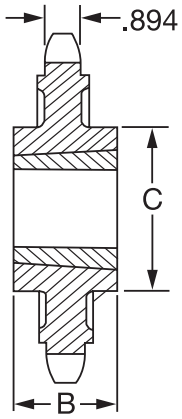
No. of Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	C. Hub Dia.	Bore Range Min.	Bore Range Max.	B
11	5.008	100BTL11H-1615	**100621**	2.7	3.00	1/2	1-11/16	1.50
12	5.415	100BTL12H-1615	**100622**	3.1	3.25			
13	5.821	100BTL13H-2012	**100623**	3.0	3.56	1/2	2-1/8	1.25
14	6.226	100BTL14H-2012	**100624**	4.0				
15	6.630	100BTL15H-2517	**100625**	5.5	4.25	1/2	2-11/16	1.75
16	7.034	100BTL16H-2517	**100626**	6.0				
17	7.436	100BTL17H-2517	**100627**	7.0				
18	7.839	100BTL18H-2517	**100628**	7.5	4.25	1/2	2-11/16	1.75
19	8.241	100BTL19H-2517	**100629**	9.7				
20	8.643	100BTL20H-2517	**100630**	9.8				
22	9.444	100BTL22H-2517	**100632**	11.4				
24	10.245	100BTL24H-2517	**100633**	14.3	4.50	1/2	2-11/16	1.75
25	10.645	100BTL25H-2517	**104754**	17.0				
26	11.045	100BTL26-2517	**100634**	16.0				
28	11.844	100BTL28-3020	**100685**	20.2	5.25	7/8	3-1/4	2.00
30	12.643	100BTL30-3020	**100635**	21.5				
32	13.441	100BTL32-3020	**100636**	25.0				
35	14.639	100BTL35-3020	**100637**	30.2				
36	15.038	100BTL36-3020	**100638**	31.4				
40	16.633	100BTL40-3020	**100639**	36.6				
45	18.626	100BTL45-3020	**100640**	47				
48	19.821	100BTL48-3020	**100641**	60				
54	22.211	100BTL54-3020	**100642**	77				
60	24.601	100BTL60-3020	**100643**	94				

FEATURES/BENEFITS PAGE PT14-2	SELECTIONS PAGE PT14-16	RELATED PRODUCTS PAGE PT14-28	ENGINEERING/TECHNICAL PAGE PT14-30

No. 120 for 1-1/2” Pitch Single Strand Chain



TYPE BTL



TYPE CTL

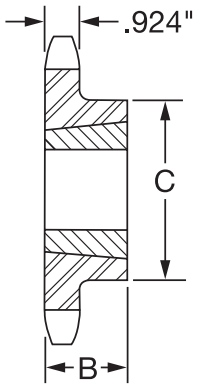
TAPER-LOCK

No. of Teeth	Spkt. O.D.	Description +	Part No.	Spkt. Wt. w/o Bush.	C Hub Dia.	Bore Range Min.	Bore Range Max.	B
12	6.498	120BTL12H-2012	**100396**	8.0	3.56	1/2	2-1/8	1.25
13	6.989	120BTL13H-2517	**100644**	6.4				
14	7.472	120BTL14H-2517	**100645**	7.8	4.25	1/2	2-11/16	1.75
15	7.956	120BTL15H-2517	**100646**	9.6				
16	8.441	120BTL16H-3020	**100647**	10.2				
17	8.924	120BTL17H-3020	**100648**	11.6				
18	9.407	120BTL18H-3020	**100649**	13.2				
19	9.890	120BTL19H-3020	**100650**	11.2				
20	10.371	120BTL20H-3020	**100397**	16.0				
21	10.853	120BTL21H-3020	**100651**	18.0	5.25	7/8	3-1/4	2.00
24	12.294	120BTL24H-3020	**100398**	24.0				
26	13.254	120BTL26-3020	**100652**	30.0				
30	15.171	120BTL30-3020	**100399**	39.7				
35	17.567	120BTL35-3020	**100232**	46.0				
45	22.352	120CTL45-3030	**104765**	110	5.88	15/16	3-1/4	3.00
60	29.522	120CTL60-3535	**100236**	120				
70	34.301	120CTL70-3535	**100238**	144	6.50	1-3/16	3-15/16	3.50
80	39.078	120CTL80-3535	**100240**	164				

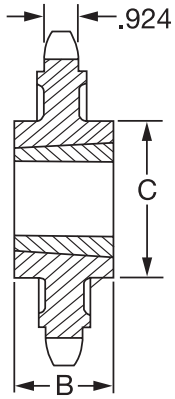
+ “H” suffix indicates Hardened Teeth.

SPECIFICATION

No. 140 for 1-3/4” Pitch Single Strand Chain



TYPE BTL

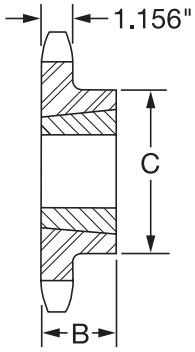


TYPE CTL

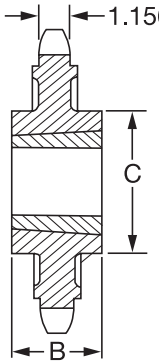
TAPER-LOCK

No. of Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range Min.	Bore Range Max.	B
12	7.581	140BTL12H-2517	**100653**	7.6	4.25	1/2	2-11/16	1.75
13	8.150	140BTL13H-3020	**100654**	9.6				
14	8.717	140BTL14H-3020	**100655**	11.3				
15	9.282	140BTL15H-3020	**100656**	12.7				
16	9.847	140BTL16H-3020	**100657**	14.6				
17	10.411	140BTL17H-3020	**100658**	17.5	5.25	7/8	3	2.00
18	10.974	140BTL18H-3020	**100659**	19.3				
19	11.538	140BTL19H-3020	**100660**	21.2				
21	12.661	140BTL21H-3020	**100661**	28.0				
26	15.463	140BTL26-3020	**100662**	45.0				
35	20.494	140CTL35-3535	**100264**	80.3	6.50	1-3/16	3-1/2	3.50
45	26.077	140CTL45-4040	**100266**	120.0	7.75	1-7/16	4	4.00
60	34.442	140CTL60-4040	**100268**	200.0				

No. 160 for 2” Pitch Single Strand Chain



TYPE BTL



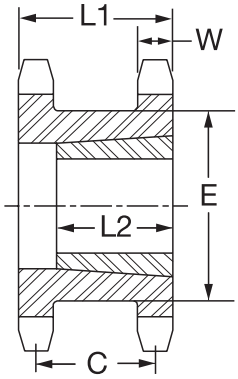
TYPE CTL

TAPER-LOCK

No. of Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range Min.	Bore Range Max.	B
11	8.012	160BTL11H-2517	**100663**	7.7	4.25	1/2	2-11/16	1.75
12	8.664	160BTL12H-3020	**100664**	11.5				
13	9.314	160BTL13H-3020	**100665**	14.2	5.25	7/8	3-1/4	3.00
14	9.962	160BTL14H-3020	**100666**	17.1				
15	10.608	160BTL15H-3535	**100667**	27.4				
17	11.898	160BTL17H-3535	**100669**	33.9				
18	12.542	160BTL18H-3535	**100670**	38.4	6.50	1-3/16	3-15/16	3.50
19	13.186	160BTL19H-3535	**100671**	41.7				
21	14.470	160BTL21H-3535	**100672**	50				
26	17.672	160BTL26-3535	**100673**	88				
35	23.422	160CTL35-4040	**100294**	106	7.75	1-7/16	4-7/16	4.00
60	39.362	160CTL60-4545	**100298**	253	8.75	1-15/16	4-15/16	4.50

+ “H” suffix indicates Hardened Teeth.

Double Single Sprockets



TYPE ATL
TAPER-LOCK

No. 40		C=1.13 W=.284	TAPER-LOCK*					
No Teeth	Spkt. O.D.	E Dim.	Spkt. No.	Part No.	Bushing: No.	Bushing: Max. Bore	L Dim.	Wt. w/o Bush.
18	3.136	2.31	....	**....**	...	...	...	...
19	3.300	2.50	DS40ATL19H	**101450**	1215	1-1/4	1.41	1.1
20	3.460	2.63	DS40ATL20H	**101451**	1215	1-1/4	1.41	1.3
21	3.620	2.78	DS40ATL21H	**101452**	1615	1-11/16	1.41	1.3
22	3.780	2.94	....	**....**	...	...	...	...
23	3.940	3.09	DS40ATL23H	**101453**	1615	1-11/16	1.41	1.5
24	4.100	3.27	DS40ATL24H	**101454**	1615	1-11/16	1.41	1.7

No. 50		C=1.31 W=.343	TAPER-LOCK*					
No Teeth	Spkt. O.D.	E Dim.	Spkt. No.	Part No.	Bushing: No.	Bushing: Max. Bore	L Dim.	Wt. w/o Bush.
17	3.200	2.69	DS50ATL17H	**101455**	1615	1-11/16	1.64	1.8
18	3.920	2.89	DS50ATL18H	**101456**	1615	1-11/16	1.64	2.2
19	4.120	3.08	DS50ATL19H	**101457**	1615	1-11/16	1.64	2.7
20	4.320	3.28	....	**....**	...	...	...	...
21	4.520	3.48	DS50ATL21H	**101458**	2012	2-1/8	1.64	3.3
22	4.720	3.69	....	**....**	...	...	...	...
23	4.920	3.89	DS50ATL23H	**101459**	2012	2-1/8	1.64	3.7
24	5.120	4.08	DS50ATL24H	**101460**	2012	2-1/8	1.64	4.1

No. 60		C=1.48 W=.459	TAPER-LOCK*					
No Teeth	Spkt. O.D.	E Dim.	Spkt. No.	Part No.	Bushing: No.	Bushing: Max. Bore	L Dim.	Wt. w/o Bush.
17	4.460	3.22	DS60ATL17H	**101461**	1615	1-11/16	1.94	4.5
18	4.700	3.47	DS60ATL18H	**101462**	2012	2-1/8	1.94	5.0
19	4.950	3.70	DS60ATL19H	**101463**	2012	2-1/8	1.94	5.8
20	5.190	3.95	DS60ATL20H	**101464**	2517	2-11/16	1.94	5.6
21	5.430	4.19	DS60ATL21H	**101465**	2517	2-11/16	1.94	6.4
22	5.910	4.67	DS60ATL23H	**101466**	2517	2-11/16	1.94	7.3
23	6.150	4.91	DS60ATL24H	**101467**	2517	2-11/16	1.94	8.2

No. 80		C=1.63 W=.575	TAPER-LOCK*					
No Teeth	Spkt. O.D.	E Dim.	Spkt. No.	Part No.	Bushing: No.	Bushing: Max. Bore	L Dim.	Wt. w/o Bush.
17	5.950	4.31	DS80ATL17H	**101468**	2517	2-11/16	2.19	7.6
18	6.270	4.75	DS80ATL18H	**101469**	2517	2-11/16	2.19	8.7
19	6.590	4.95	DS80ATL19H	**101470**	3020	3-1/4	2.19	9.7
20	6.910	5.28	DS80ATL20H	**101471**	3020	3-1/4	2.19	10
21	7.240	5.59	DS80ATL21H	**101472**	3020	3-1/4	2.19	12
22	7.560	...	....	**....**	...	...	...	...
23	7.880	6.23	DS80ATL23H	**101473**	3020	3-1/4	2.19	14.5

No. 100		C=2 W=.692	TAPER-LOCK*					
No Teeth	Spkt. O.D.	E Dim.	Spkt. No.	Part No.	Bushing: No.	Bushing: Max. Bore	L Dim.	Wt. w/o Bush.
16	7.030	5.00	DS100ATL16H	**101474**	2517	2-11/16	2.69	13
17	7.440	5.41	DS100ATL17H	**101475**	3020	3-1/4	2.69	14
18	7.840	5.80	DS100ATL18H	**101476**	3020	3-1/4	2.69	16
19	8.240	6.20	DS100ATL19H	**101477**	3020	3-1/4	2.69	20
20	8.640	6.61	....	**....**	...	...	...	...
21	9.040	7.00	DS100ATL21H	**101478**	3020	3-1/4	2.69	27.5

* TAPER-LOCK double single sprockets have hardened teeth.

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SELECTION

Roller Chain Drive Selection

EASY SELECTION METHOD

1. Determine Class of Service: Refer to tabulation below, or select from the following:

Class A: Fairly uniform running load. Start-up and peak loads occur infrequently.

Class B: Variable running load. Higher starting and peak loads, occurring more frequently.

Class C: Heavy starting loads. Peak loads and overloads occurring frequently.

2. Select Service Factor:

Class of Service	Type of Input Power		
	Internal Combustion Engine with Hydraulic Drive	Electric or Turbine	Internal Combustion Engine with Mechanical Drive
A	1.0	1.0	1.2
B	1.2	1.3	1.4
C	1.4	1.5	1.7

3. Calculate Design Horsepower: Motor HP x Service Factor, or normal running HP x Service Factor.

4. Determine Chain Size and Smaller (Usually the Driver) sprocket number of teeth: Refer to "Recommended Small Sprocket" table on page PT13-18 and PT13-19. Start at column that is at or above the calculated design HP. Trace down to the row that includes the RPM of the faster (Usually the Driver) shaft. The chain pitch and sprocket No. of Teeth are listed at this intersection.

5. Calculate Drive Ratio: Faster shaft Rpm divided be Slower shaft RPM.

6. Determine Size of Large Sprocket: Multiply smaller sprocket No. of teeth by ratio. Select Closest stock available sprocket.

7. Calculate Chain Length "L":

$$L = 2c + 1.57\,(D + d) + \frac{(D-d)^2}{4c}$$

Where: D = Pitch dia. large sprocket, (see page PT13-31)
d = Pitch dia. small sprocket, (see page PT13-31)
c = Proposed center distance

(Accuracy is within .15% chain length)

Divide chain length (inches) by chain pitch to determine number of pitches in the chain. Good practice is to use an even number of pitches, including connecting link.

Class of Service for Driven Machine

Driven Machine	Class	Driven Machine	Class
Agitators, liquid or semi-liquid stock, paddle or propeller	A	Line Shafts:	
Bakery Machinery	B	Light or normal service	A
Beaters	B	Unevenly loaded	B
Blowers, Centrifugal	A	Machines, Non-Reversing:	
Boat Paddle Wheels or Propellers	C	Even load	A
Centrifuges	C	Pulsating load	
Clay Working Machinery:		Impact load	C
Extruders, Granulators, Mixers, Pug Mills, Rolls.	B	Mills:	
Briquette Machine, Presses	C	Ball, Pebble, Rod, Tube	B
Compressors:		Blooming, Hammer, Hardinge, Rolling	C
Centrifugal, Rotary	B	Paper Machinery:	
Reciprocating.	C	Agitators, Calenders, Dryers, Jordan Engines, Paper	
Conveyors:		Machines, Pulp Grinders	B
Uniformly or loaded.	A	Beaters, Chippers, Nash Pumps, Washers, Winder	
Irregularly fed or loaded.	B	Drums, Yankee Dryers	C
Reciprocating	C	Presses	C
Cookers, Cereal.	A	Printing Machinery	B
Cranes	B	Pumps:	
Crushers	C	Centrifugal, Gear, Rotary	A
Elevators:		Dredge	C
Uniformly fed or loaded.	A	Reciprocating, 1 or 2 cylinder	C
Irregularly fed or loaded.	B	Reciprocating, 3 or more cylinder	B
Fans:		Rubber Plant Machinery:	
Centrifugal	A	Banbury Mills, Calenders, Mixers	C
Mine, Positive Blowers, Propeller	C	Screens:	
Feeders, Reciprocating.	C	Air Washing, Water	A
Flour, Feed or Cereal Mill Machinery	B	Rotary (Stone or Gravel), Vibrating	B
Generators.	A	Textile Machinery:	
Hogs for Refuse.	C	Batcher, Calender, Dry Can, Dyeing Machinery.	
Kettles, Brew.	A	Loom, Mangel, Napper, Soaper, Spinner, Tenter	
Kilns and Dryers, rotary.	B	Frame	B
Laundry Machinery.	B	Card Machine	C
		Woodworking Machinery	B

SELECTION EXAMPLE

A chain drive is required for a tumbling barrel for metal stampings. The barrel is to run at 24 RPM from a speed reducer output of 77 RPM. Center distance is 50". Input power is from a 5 HP electric motor. Starting loads are heavy, peak loads and overloads are frequent.

1. Service Factor: Class of service is not listed in table, so refer to Class Description. Class C is appropriate. Service Factor Table shows 1.5 Class C driven by an electric motor.

2. Design HP: Motor HP x S.F. 5 x 1.5 = 7.5 Design HP.

3. Chain and Small Sprocket Size: Refer to the 7-1/2 HP column of the Easy Selection Table. Trace down to the row that includes 77 RPM, "71-80 RPM". No. 100 chain and sprocket with 15 teeth is shown: select 100BTL15.

4. Drive Ratio: 77/24 = 3.21:1.

5. Large Sprocket: 15 x 3.21 = 48.15. Select a 48 tooth driven sprocket, 100BTL48, which is a stock size.

6. Chain Length:

$$L = 2(50) + 1.57(19.113 + 6.013) + \frac{(19.113 - 6.012)^2}{4 \times 50}$$

L = 140.31" (No.100 Chain has 1-1/4 or 1.25" Pitch)

Length in pitches = 140.31/1.25 = 112.48 pitches.

Choose 112 or 114 Pitches of chain, including Conn Link.

7.Verify that sprockets will fit shaft sizes.

DESIGN NOTES

Small Sprocket Size: The higher RPM and the fewer the number of teeth on the small sprocket, the greater the wear.

This leads to some general guidelines:

- Use at least 17 teeth sprocket for 100+ RPM.
- Avoid high ratios that require very small sprockets

Lubrication: Chain drives must be lubricated and kept clean. The most effective method to accomplish this is to use an oil-tight chain guard with an oil sump. Manual lubrication is effective on slower speed drives, but exposure to dirt and contamination will be a problem for the drive.

Design Refinement: The "Easy Selection Method" is a good starting point for further design refinement, if desired. Refer to the Chain HP Rating Tables on the following pages for more precise ratings. Also refer to "Slow Speed Drives" which follows this section.

SLOW SPEED DRIVES

Where linear speed of the chain is under 100 fpm and loading is uniform, roller chain drives may be selected on the basis of chain pull rather than horsepower rating. This often results in significant savings.

When chain length is more than 50 pitches, the maximum applied load may be as great as 1/7 of the ultimate tensile strength of the chain for speeds below 50 fpm to 100 fpm.

Unusual load variations of peak loads require other methods of determining the maximum applied load.

Chain pull may be calculated by the following formula:

$$\text{Chain Pull (lbs.)} = \frac{\text{Design HP x 126,000}}{\text{rpm x Pitch diam.}}$$

Table below offers a simplified method of determining allowable chain pull for slow speed drives. The table also shows revolutions per minute for a given pitch diameter at 50 and 100 feet per minute. Average tensile strength for all popular roller chains is given on page PT13-32.

Information for Slow Speed Drives

Allowable Chain Pull for STD. Chain			RPM for a Given Pitch Diam. at Various Speeds		
Chain No.	Max. Chain Pull @ 50 fpm or less	Max. Chain Pull @ 50-100 fpm	P.D. in inches	@ 50 fpm RPM	@ 100 fpm RPM
40	528	462	2	95.0	191.0
50	871	762	3	63.6	127.2
60	1214	1062	4	47.7	95.5
80	2071	1812	5	38.2	76.4
100	3428	3000	6	31.8	63.7
120	4857	4250	7	27.3	54.6
140	6571	5750	8	23.9	47.8
160	8285	7250	9	21.2	42.4
180	11,428	10,000	10	19.1	38.2
200	13,571	11,875	11	17.3	34.7
240	18,571	16,250	12	15.9	31.8

Note: Smaller sprockets can be used on slow speed drives as the effects of chordal action are not pronounced. However, small sprockets of fewer than 9 teeth should be avoided.

MULTIPLE STRAND CHAIN DRIVES

Single Strand drives offer cost and availability advantages, and are more easily assembled. Multiple strand drives can be used to solve design problems of greater HP capacity or space constraints. For multiple strand drives, divide the calculated Design HP by the factors below, and select from the ratings for single strand drives:

Multiple Strand Factors	
Single:	1.0
Double	1.9
Triple:	2.8

SELECTION

Easy Selection Table

RECOMMENDED SMALL SPROCKET

RPM of small Sprocket	Chain Size and No. of Teeth for Design HP																							
	1/4		1/3		1/2		3/4		1		1 -1/2		2		3		4		5		6		7 -1/2	
951-1000	35	17	35	17	35	17	35	17	35	17	35	17	35	17	35	23	40	17	40	17	40	20	40	24
901-950	35	17	35	17	35	17	35	17	35	17	35	17	35	17	35	24	40	17	40	18	40	21	40	25
851-900	35	17	35	17	35	17	35	17	35	17	35	17	35	17	35	24	40	17	40	18	40	22	50	17
801-850	35	17	35	17	35	17	35	17	35	17	35	17	35	18	40	17	40	17	40	19	40	23	50	17
751-800	35	17	35	17	35	17	35	17	35	17	35	17	35	19	40	17	40	17	40	20	40	24	50	17
701-750	35	17	35	17	35	17	35	17	35	17	35	17	35	20	40	17	40	18	40	22	40	25	50	17
651-700	35	17	35	17	35	17	35	17	35	17	35	17	35	22	40	17	40	19	40	23	50	17	50	18
601-650	35	17	35	17	35	17	35	17	35	17	35	18	35	23	40	17	40	20	40	24	50	17	50	19
551-600	35	17	35	17	35	17	35	17	35	17	35	19	40	17	40	17	40	21	50	17	50	17	50	21
501-550	35	17	35	17	35	17	35	17	35	17	35	21	40	17	40	17	40	23	50	17	50	18	50	22
471-500	35	17	35	17	35	17	35	17	35	17	35	22	40	17	40	17	40	24	50	17	50	19	50	24
441-470	35	17	35	17	35	17	35	17	35	17	35	23	40	17	40	17	50	17	50	17	50	20	50	25
411-440	35	17	35	17	35	17	35	17	35	17	40	17	40	17	40	21	50	17	50	18	50	22	60	17
381-410	35	17	35	17	35	17	35	17	35	17	40	17	40	17	40	22	50	17	50	19	50	23	60	17
351-380	35	17	35	17	35	17	35	17	35	17	40	17	40	17	40	24	50	17	50	21	50	24	60	18
321-350	35	17	35	17	35	17	35	17	35	17	40	17	40	18	50	17	50	18	50	22	60	17	60	20
301-320	35	17	35	17	35	17	35	17	35	17	40	17	40	19	50	17	50	19	50	23	60	17	60	21
281-300	35	17	35	17	35	17	35	17	35	17	40	17	40	19	50	17	50	20	50	25	60	18	60	22
261-280	35	17	35	17	35	17	35	17	35	17	40	17	40	19	50	17	50	22	60	17	60	19	60	23
241-260	35	17	35	17	35	17	35	17	35	17	40	17	40	19	50	18	50	23	60	17	60	20	80	17
221-240	35	17	35	17	35	17	35	17	35	17	40	19	40	24	50	19	50	25	60	19	60	22	80	17
201-220	35	17	35	17	35	17	35	17	35	17	40	20	50	17	50	21	60	17	60	20	60	24	80	17
181-200	35	17	35	17	35	18	35	17	35	17	40	22	50	17	50	23	60	18	60	22	60	26	80	17
161-180	35	17	35	17	35	20	40	18	35	17	40	24	50	17	50	25	60	20	60	24	80	17	80	17
151-160	35	17	35	17	35	21	40	18	35	17	50	17	50	18	60	17	60	21	60	25	80	17	80	17
141-150	35	15	35	15	35	22	40	18	40	15	50	17	50	19	60	17	60	22	80	17	80	17	80	18
131-140	35	15	35	15	35	23	40	18	40	15	50	17	50	20	60	18	60	23	80	17	80	17	80	19
121-130	35	15	35	15	40	13	40	18	40	15	50	17	50	22	60	19	60	25	80	17	80	17	80	20
111-120	35	15	35	15	40	13	40	18	40	15	50	18	50	22	60	20	80	15	80	17	80	18	80	22
101-110	35	15	35	15	40	15	40	18	50	15	50	19	60	15	80	15	80	15	80	16	80	19	100	15
91-100	35	15	35	15	40	15	40	15	40	17	50	15	50	18	60	17	80	15	80	18	100	15	100	15
81-90	35	15	35	15	40	15	40	15	50	15	50	15	50	18	60	18	80	15	80	15	80	16	100	15
71-80	35	15	35	17	40	15	40	16	50	15	50	18	60	14	80	15	80	15	80	16	100	15	100	15
61-70	35	15	35	19	40	15	40	19	50	15	60	15	60	16	80	15	80	15	80	18	100	15	100	15
51-60	35	17	40	13	40	15	50	13	50	15	60	15	60	19	80	15	80	17	100	15	100	15	100	16
46-50	40	13	40	13	40	16	50	13	50	16	60	14	80	13	80	13	100	13	100	13	100	14	100	17
41-45	40	13	40	13	40	18	50	16	60	13	60	16	80	13	80	14	100	13	100	13	100	16	120	13
35-40	40	13	40	14	50	13	50	16	60	13	60	19	80	13	80	17	100	13	100	14	100	18	120	14
30-35	40	13	40	16	50	13	50	18	60	15	80	13	80	13	80	19	100	13	100	16	120	13	120	14
23-29	40	14	50	13	50	16	60	14	60	19	80	13	80	17	100	13	100	16	120	14	120	15	120	18
17-22	50	13	50	14	60	13	60	19	80	13	80	17	100	13	100	17	120	13	120	16	140	13	140	16
12-16	50	15	60	13	60	18	80	13	80	16	100	13	100	16	120	14	120	18	140	15	140	17	160	15
8-11	60	14	60	18	80	13	80	18	100	13	100	17	120	14	140	13	140	17	160	15	160	18	180	18
5-7	80	13	80	13	100	13	100	13	100	18	120	17	140	14	180	15	180	14	200	13	200	15	240	13

Notes:

1. Apply Service Factor to obtain Design Horsepower. Select small sprocket based upon Design Horsepower and RPM on this chart.
2. Sprocket selections are recommended minimum. Larger sizes may be selected if required to obtain desired ratio, etc.
3. To use this chart for double or triple strand chain, divide the design horsepower by the following factors:
   Double strand: 1.9, Triple strand: 2.9

DODGE

Easy Selection Table

RECOMMENDED SMALL SPROCKET

RPM of small Sprocket	Chain Size and No. of Teeth for Design HP													
	9	10	12	15	20	25	30	40	50	60	70	80	90	100
951-1000	50 17	50 17	50 20	60 17	60 20	60 24	80 17	80 18						
901-950	50 17	50 18	50 21	60 17	60 21	80 17	80 17	80 18						
851-900	50 17	50 19	50 22	60 17	60 22	80 17	80 17	80 19						
801-850	50 18	50 20	50 23	60 17	60 23	80 17	80 17	80 20						
751-800	50 19	50 21	60 16	60 18	60 24	80 17	80 17	80 21						
701-750	50 20	50 22	60 17	60 19	60 25	80 17	80 17	80 22	100 17					
651-700	50 21	50 24	60 17	60 21	80 17	80 17	80 18	80 23	100 17					
601-650	50 23	60 16	60 18	60 22	80 17	80 17	80 19	100 17	100 17					
551-600	50 24	60 17	60 19	60 24	80 17	80 18	80 21	100 17	100 18					
501-550	60 17	60 18	60 21	80 17	80 17	80 19	80 22	100 17	100 20					
471-500	60 17	60 19	60 22	80 17	80 17	80 20	80 23	100 17	100 21	100 24	120 17			
441-470	60 18	60 20	60 23	80 17	80 17	80 21	100 17	100 18	100 22	120 17	120 18			
411-440	60 19	60 21	80 16	80 17	80 18	80 22	100 17	100 19	120 17	120 17	120 21			
381-410	60 20	60 22	80 17	80 17	80 19	80 24	100 17	100 20	120 17	120 18	120 21			
351-380	60 22	60 24	80 17	80 17	80 21	100 17	100 17	100 21	120 18	120 19	140 17			
321-350	60 23	80 17	80 17	80 17	80 22	100 17	100 18	100 24	120 19	120 21	140 17	140 18	140 21	
301-320	80 17	80 17	80 17	80 18	80 23	100 17	100 19	100 24	120 21	140 17	140 17	140 19	140 21	
281-300	80 17	80 17	80 17	80 19	100 17	100 17	100 20	120 17	120 21	140 17	140 18	140 21	160 17	
261-280	80 17	80 17	80 17	80 20	100 17	100 18	100 21	120 17	120 21	140 17	140 19	160 17	160 17	
241-260	80 17	80 17	80 18	80 22	100 17	100 19	100 22	120 18	140 17	140 17	140 21	160 18	160 18	160 20
221-240	80 17	80 17	80 19	80 23	100 17	100 20	100 24	120 21	140 17	140 19	160 17	160 18	160 20	160 22
201-220	80 17	80 17	80 20	100 17	100 18	100 22	120 17	120 21	140 17	160 17	160 17	160 19	180 17	160 23
181-200	80 17	80 19	80 22	100 17	100 20	100 24	120 18	140 17	140 19	160 18	160 18	160 20	180 18	180 18
161-180	80 19	80 21	80 25	100 17	100 22	120 17	120 21	140 17	140 21	160 19	160 21	180 17	180 19	180 21
151-160	80 20	80 22	100 17	100 18	100 24	120 17	120 21	140 18	160 19	160 19	160 21	180 18	180 20	200 17
141-150	80 21	100 15	100 17	100 19	100 24	120 18	140 16	140 19	160 19	160 21	180 17	180 19	200 16	200 17
131-140	80 22	100 15	100 17	100 20	120 17	120 21	140 17	140 21	160 19	160 21	180 18	180 19	200 18	200 19
121-130	80 24	100 16	100 17	100 21	120 18	120 21	140 17	140 21	160 19	180 17	180 19	200 17	200 19	200 21
111-120	100 15	100 17	100 18	100 24	120 19	120 21	140 18	160 17	160 21	180 18	180 21	200 18	200 20	200 23
101-110	100 15	100 17	120 15	120 15	140 15	140 16	140 19	160 17	180 16	180 19	200 17	200 19	200 21	240 18
91-100	100 17	100 20	120 15	120 18	140 16	140 19	160 16	160 19	180 19	200 16	200 18	200 21	240 15	240 18
81-90	100 18	100 15	120 16	120 18	140 17	140 19	160 17	160 21	200 15	200 18	200 21	200 23	240 18	240 18
71-80	100 15	120 15	120 18	120 18	140 18	160 15	160 18	180 17	200 17	200 19	240 15	240 16	240 19	240 20
61-70	100 16	120 18	120 19	140 15	160 15	160 19	180 15	200 15	200 19	240 15	240 17	240 19	240 21	240 23
51-60	100 19	120 15	120 15	140 18	160 16	180 15	180 18	200 18	240 15	240 17	240 19	240 22	240 25	240 26
46-50	120 13	120 14	120 16	140 13	160 13	180 16	200 15	200 19	240 15	240 18	240 20	240 24	....	....
41-45	120 14	120 15	120 18	140 15	160 14	180 14	200 16	200 21	240 17	240 20	240 23	240 26	....	....
35-40	120 16	120 18	140 14	140 17	160 16	180 13	180 15	240 15	240 19	240 23	240 26	....	....	....
30-35	120 19	140 13	140 16	160 14	160 18	180 15	180 18	240 13	240 21	240 25	....	....	....	....
23-29	140 14	140 15	160 13	160 18	180 16	200 15	200 17	240 14	240 18	240 27	....	....	....	....
17-22	160 13	160 15	180 13	180 16	200 16	240 13	240 13	240 15	240 24	....	....	....	....	....
12-16	160 18	180 13	180 16	200 15	240 13	240 15	240 21	240 27	....	....	....	....	....	....
8-11	200 13	200 15	200 18	240 14	240 18	240 23	....	....	....	....	....	....	....	....
5-7	240 13	240 15	240 17	240 22	240 29	....	....	....	....	....	....	....	....	....

4. Sprocket selections above the bold line are based upon ANSI horsepower ratings. Selections below the bold line are based upon the chain pull formula for slow speed drives.

5. To achieve design life keep chain free of dirt and contaminants, and apply appropriate lubrication.

V-Drives
FHP Drives
Drive Component Accessories
DYNA-SYNC
HT200/HTD Synchronous Drives
HT500 Synchronous Drives
Roller Chain Sprockets

SELECTION

DODGE

Basic Horsepower Ratings

35 3/8" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 50	75	100	150	200	250	300	400	500	600	700	800	900	1000	1200	1500	1800	2100	2500	3000	3500	4000
9	0.08	0.12	0.15	0.21	0.27	0.33	0.39	0.50	0.62	0.73	0.84	0.95	1.06	1.21	1.37	1.68	1.98	2.27	2.65	2.17	1.73	1.41
10	0.09	0.13	0.16	0.23	0.30	0.37	0.44	0.57	0.70	0.82	0.95	0.98	1.02	1.28	1.54	1.88	2.21	2.54	2.97	2.55	2.02	1.65
11	0.10	0.14	0.18	0.26	0.34	0.41	0.49	0.63	0.77	0.91	1.05	1.18	1.31	1.51	1.70	2.08	2.45	2.82	3.30	2.94	2.33	1.91
12	0.11	0.16	0.20	0.28	0.37	0.46	0.54	0.70	0.85	1.00	1.15	1.30	1.44	1.66	1.87	2.29	2.70	3.10	3.62	3.35	2.66	2.17
13	0.01	0.12	0.22	0.31	0.41	0.50	0.59	0.76	0.93	1.10	1.26	1.42	1.57	1.81	2.04	2.49	2.94	3.38	3.95	3.77	3.00	2.45
14	0.13	0.19	0.24	0.34	0.44	0.53	0.63	0.82	1.01	1.19	1.36	1.54	1.71	1.96	2.21	2.70	3.18	3.66	4.28	4.22	3.35	2.74
15	0.14	0.20	0.25	0.36	0.47	0.57	0.68	0.88	1.08	1.28	1.47	1.66	1.84	2.11	2.38	2.91	3.43	3.94	4.61	4.68	3.71	3.04
16	0.15	0.21	0.27	0.39	0.50	0.62	0.73	0.95	1.16	1.37	1.57	1.77	1.97	2.26	2.55	3.12	3.68	4.22	4.94	5.15	4.09	3.35
17	0.16	0.23	0.29	0.41	0.54	0.66	0.78	1.01	1.24	1.46	1.68	1.89	2.10	2.42	2.73	3.33	3.93	4.51	5.28	5.64	4.48	3.67
18	0.17	0.24	0.31	0.44	0.57	0.70	0.83	1.08	1.32	1.55	1.78	2.01	2.24	2.57	2.90	3.45	4.18	4.80	5.61	6.15	4.88	3.99
19	0.18	0.26	0.33	0.47	0.61	0.74	0.88	1.14	1.40	1.65	1.89	2.13	2.37	2.70	3.02	3.76	4.43	5.09	5.95	6.67	5.29	4.33
20	0.19	0.27	0.35	0.50	0.64	0.78	0.93	1.21	1.48	1.74	2.00	2.26	2.51	2.88	3.25	3.97	4.68	5.38	6.29	7.20	5.72	4.68
21	0.20	0.29	0.37	0.52	0.68	0.83	0.98	1.27	1.56	1.84	2.11	2.38	2.64	3.03	3.42	4.19	4.93	5.67	6.63	7.75	6.15	5.03
22	0.21	0.30	0.38	0.54	0.71	0.87	1.03	1.34	1.64	1.93	2.22	2.50	2.78	3.19	3.60	4.40	5.19	5.96	6.97	8.21	6.59	5.40
23	0.22	0.31	0.40	0.57	0.74	0.91	1.08	1.40	1.72	2.03	2.33	2.63	2.92	3.35	3.78	4.62	5.44	6.25	7.31	8.62	7.05	5.77
24	0.23	0.33	0.42	0.60	0.78	0.96	1.14	1.47	1.80	2.12	2.44	2.75	3.05	3.51	3.96	4.84	5.70	6.55	7.66	9.02	7.51	6.15
25	0.24	0.34	0.44	0.63	0.82	1.00	1.19	1.54	1.88	2.21	2.55	2.87	3.19	3.66	4.13	5.05	5.95	6.84	8.00	9.43	7.99	6.54
26	0.25	0.36	0.46	0.66	0.85	1.05	1.24	1.60	1.96	2.31	2.66	3.00	3.33	3.82	4.31	5.27	6.21	7.13	8.35	9.84	8.47	6.93
28	0.27	0.39	0.50	0.71	0.92	1.13	1.34	1.73	2.12	2.50	2.88	3.25	3.61	4.14	4.67	5.71	6.73	7.73	9.05	10.7	9.47	7.75
30	0.29	0.42	0.54	0.77	1.00	1.22	1.45	1.87	2.29	2.70	3.10	3.50	3.89	4.46	5.03	6.15	7.25	8.33	9.74	11.5	10.5	8.59
32	0.31	0.45	0.58	0.83	1.07	1.31	1.56	2.01	2.45	2.88	3.32	3.75	4.17	4.79	5.40	6.60	7.77	8.93	10.0	12.3	11.6	9.47
35	0.33	0.49	0.64	0.91	1.18	1.44	1.71	2.21	2.70	3.18	3.66	4.08	4.50	5.23	5.96	7.27	8.56	9.84	11.5	13.6	13.2	10.8
40	0.39	0.56	0.73	1.04	1.35	1.66	1.97	2.55	3.12	3.68	4.23	4.77	5.30	6.09	6.87	8.40	9.89	11.4	13.3	15.7	16.2	13.2
45	0.45	0.64	0.83	1.18	1.54	1.89	2.24	2.90	3.55	4.18	4.80	5.41	6.02	6.91	7.80	9.53	11.2	12.9	15.1	17.8	19.3	15.8
	TYPE A			TYPE B														TYPE C				

41 1/2" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 10	25	50	75	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400	1600	1800
9	0.02	0.05	0.10	0.14	0.19	0.28	0.36	0.44	0.51	0.59	0.66	0.74	0.81	0.96	1.10	1.24	1.38	1.52	1.27	1.01	0.82	0.69
10	0.03	0.06	0.11	0.16	0.21	0.31	0.40	0.49	0.57	0.66	0.74	0.83	0.91	1.07	1.23	1.39	1.54	1.70	1.49	1.18	0.96	0.81
11	0.03	0.07	0.13	0.19	0.24	0.34	0.44	0.54	0.64	0.73	0.82	0.92	1.01	1.19	1.37	1.54	1.71	1.88	1.71	1.36	1.11	0.93
12	0.03	0.07	0.14	0.20	0.26	0.38	0.49	0.60	0.70	0.81	0.91	1.01	1.11	1.31	1.50	1.69	1.88	2.07	1.95	1.55	1.27	1.06
13	0.03	0.08	0.15	0.22	0.28	0.40	0.53	0.64	0.76	0.88	0.99	1.10	1.21	1.42	1.63	1.84	2.05	2.25	2.20	1.75	1.43	1.20
14	0.03	0.09	0.16	0.24	0.31	0.44	0.57	0.70	0.83	0.95	1.07	1.19	1.31	1.54	1.77	2.00	2.22	2.44	2.46	1.95	1.60	1.34
15	0.04	0.09	0.18	0.26	0.33	0.48	0.62	0.76	0.89	1.02	1.15	1.28	1.41	1.66	1.91	2.15	2.39	2.63	2.73	2.17	1.77	1.49
16	0.04	0.10	0.19	0.28	0.36	0.51	0.66	0.81	0.95	1.10	1.24	1.38	1.51	1.78	2.05	2.31	2.57	2.82	3.01	2.39	1.95	1.64
17	0.05	0.11	0.20	0.29	0.38	0.55	0.71	0.87	1.02	1.17	1.32	1.47	1.61	1.89	2.18	2.46	2.74	3.01	3.29	2.61	2.14	1.79
18	0.05	0.12	0.22	0.31	0.40	0.58	0.75	0.92	1.08	1.24	1.40	1.56	1.72	2.02	2.32	2.62	2.91	3.20	3.59	2.85	2.33	1.95
19	0.05	0.12	0.23	0.33	0.43	0.62	0.80	0.98	1.15	1.32	1.49	1.65	1.82	2.14	2.46	2.78	3.09	3.40	3.89	3.09	2.53	2.12
20	0.06	0.13	0.24	0.35	0.45	0.65	0.84	1.03	1.21	1.39	1.57	1.75	1.92	2.26	2.60	2.93	3.26	3.59	4.20	3.33	2.73	2.29
21	0.06	0.14	0.26	0.37	0.48	0.69	0.89	1.09	1.28	1.47	1.66	1.85	2.03	2.39	2.74	3.09	3.44	3.78	4.46	3.59	2.94	2.46
22	0.06	0.14	0.27	0.39	0.50	0.72	0.93	1.14	1.35	1.55	1.74	1.94	2.13	2.51	2.89	3.26	3.62	3.98	4.69	3.85	3.15	2.64
23	0.06	0.15	0.28	0.41	0.53	0.76	0.98	1.20	1.41	1.62	1.83	2.04	2.24	2.64	3.03	3.42	3.80	4.17	4.92	4.11	3.37	2.82
24	0.07	0.16	0.29	0.42	0.55	0.79	1.03	1.26	1.48	1.70	1.92	2.13	2.34	2.76	3.17	3.57	3.97	4.37	5.15	4.38	3.59	3.01
25	0.07	0.17	0.31	0.44	0.57	0.82	1.07	1.31	1.55	1.77	2.00	2.23	2.45	2.88	3.31	3.73	4.15	4.57	5.38	4.66	3.81	3.20
26	0.07	0.17	0.32	0.46	0.60	0.86	1.12	1.37	1.61	1.85	2.09	2.32	2.55	3.01	3.46	3.90	4.33	4.76	5.61	4.94	4.05	3.39
28	0.08	0.19	0.35	0.50	0.65	0.93	1.21	1.48	1.75	2.01	2.26	2.52	2.77	3.26	3.74	4.22	4.69	5.16	6.08	5.52	4.52	3.79
30	0.08	0.20	0.38	0.54	0.70	1.00	1.31	1.60	1.88	2.16	2.44	2.71	2.98	3.51	4.03	4.55	5.06	5.56	6.55	6.13	5.01	4.20
32	0.09	0.22	0.40	0.58	0.75	1.08	1.40	1.71	2.02	2.32	2.61	2.91	3.20	3.77	4.33	4.88	5.42	5.96	7.03	6.75	5.52	4.63
35	0.10	0.24	0.44	0.64	0.83	1.19	1.54	1.88	2.22	2.55	2.88	3.20	3.52	4.14	4.76	5.37	5.97	6.57	7.74	7.72	6.32	5.29
40	0.12	0.27	0.51	0.74	0.96	1.37	1.78	2.18	2.57	2.95	3.33	3.70	4.07	4.79	5.50	6.20	6.90	7.59	8.94	9.43	7.72	6.47
45	0.14	0.31	0.58	0.83	1.08	1.55	2.02	2.47	2.92	3.35	3.78	4.20	4.62	5.44	6.25	7.05	7.84	8.62	10.2	11.3	9.21	7.72
	TYPE A					TYPE B														TYPE C		

Lubrication Note

TYPE A: Manual or Drip
TYPE B: Bath or Disc
TYPE C: Oil Stream

Multiple Strand Chain HP Factors:

Single Strand	1.0
Double Strand	1.9
Triple Strand	2.8

DODGE

Basic Horsepower Ratings

40 1/2" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 10	25	50	75	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400	1600	1800
9	0.04	0.10	0.19	0.27	0.35	0.50	0.65	0.79	0.93	1.07	1.21	1.35	1.48	1.74	2.00	2.26	2.51	2.75	3.25	3.73	4.12	3.45
10	0.05	0.11	0.21	0.30	0.38	0.56	0.73	0.89	1.04	1.20	1.35	1.50	1.65	1.95	2.24	2.53	2.81	3.09	3.64	4.18	4.71	4.04
11	0.05	0.12	0.23	0.33	0.43	0.62	0.80	0.98	1.16	1.33	1.50	1.67	1.83	2.16	2.48	2.80	3.11	3.42	4.03	4.63	5.22	4.66
12	0.06	0.14	0.25	0.36	0.47	0.68	0.88	1.08	1.27	1.46	1.65	1.83	2.01	2.37	2.73	3.08	3.42	3.76	4.43	5.09	5.74	5.31
13	0.06	0.15	0.28	0.40	0.52	0.74	0.96	1.17	1.39	1.60	1.80	2.00	2.20	2.59	2.97	3.35	3.73	4.10	4.83	5.55	6.26	5.99
14	0.07	0.16	0.30	0.43	0.56	0.80	1.04	1.27	1.50	1.73	1.95	2.16	2.38	2.80	3.22	3.63	4.04	4.44	5.23	6.01	6.78	6.70
15	0.07	0.17	0.32	0.46	0.60	0.86	1.12	1.37	1.62	1.86	2.10	2.33	2.56	3.02	3.47	3.91	4.35	4.78	5.64	6.47	7.30	7.43
16	0.08	0.19	0.35	0.50	0.65	0.93	1.20	1.47	1.74	2.00	2.25	2.50	2.75	3.24	3.72	4.19	4.66	5.13	6.04	6.94	7.83	8.18
17	0.09	0.20	0.37	0.53	0.69	0.99	1.29	1.57	1.85	2.13	2.40	2.67	2.93	3.45	3.97	4.48	4.98	5.48	6.45	7.41	8.36	8.96
18	0.09	0.21	0.39	0.56	0.73	1.05	1.37	1.66	1.95	2.25	2.55	2.84	3.12	3.67	4.22	4.76	5.30	5.82	6.86	7.88	8.89	9.76
19	0.10	0.22	0.42	0.60	0.78	1.12	1.45	1.77	2.09	2.40	2.71	3.01	3.31	3.90	4.48	5.05	5.62	6.17	7.27	8.4	9.4	10.5
20	0.11	0.24	0.44	0.63	0.82	1.17	1.53	1.87	2.21	2.54	2.86	3.18	3.50	4.12	4.73	5.34	5.94	6.53	7.69	8.8	10.0	11.1
21	0.11	0.25	0.46	0.67	0.87	1.25	1.62	1.98	2.33	2.68	3.02	3.36	3.69	4.34	4.99	5.63	6.26	6.88	8.11	9.3	10.5	11.7
22	0.12	0.26	0.49	0.70	0.91	1.31	1.70	2.08	2.45	2.81	3.17	3.53	3.88	4.57	5.25	5.92	6.58	7.23	8.52	9.8	11.0	12.3
23	0.13	0.27	0.51	0.74	0.96	1.37	1.78	2.18	2.57	2.95	3.33	3.70	4.07	4.79	5.51	6.21	6.90	7.59	8.94	10.3	11.6	12.9
24	0.13	0.29	0.54	0.77	1.00	1.43	1.87	2.28	2.69	3.09	3.48	3.87	4.26	5.01	5.8	6.5	7.2	8.0	9.4	10.8	12.1	13.5
25	0.14	0.30	0.56	0.80	1.05	1.50	1.95	2.38	2.81	3.22	3.64	4.05	4.45	5.24	6.0	6.8	7.6	8.3	9.8	11.2	12.7	14.1
26	0.15	0.31	0.58	0.84	1.09	1.57	2.04	2.49	2.93	3.37	3.80	4.22	4.64	5.46	6.3	7.1	7.9	8.7	10.2	11.7	13.2	14.7
28	0.16	0.34	0.63	0.91	1.18	1.69	2.20	2.69	3.18	3.64	4.11	4.57	5.03	5.92	6.8	7.7	8.5	9.4	11.1	12.7	14.3	15.9
30	0.16	0.37	0.68	0.98	1.27	1.83	2.38	2.90	3.42	3.93	4.43	4.93	5.42	6.38	7.3	8.3	9.2	10.1	11.9	13.7	15.4	17.2
32	0.17	0.39	0.73	1.05	1.36	1.96	2.55	3.11	3.67	4.21	4.75	5.28	5.81	6.84	7.9	8.9	9.9	10.8	12.8	14.7	16.5	18.4
35	0.19	0.43	0.81	1.16	1.50	2.16	2.81	3.43	4.04	4.64	5.24	5.82	6.40	7.53	8.7	9.8	10.9	11.9	14.1	16.2	18.2	20.3
40	0.22	0.50	0.93	1.34	1.74	2.49	3.24	3.95	4.67	5.36	6.05	6.72	7.39	8.70	10.0	11.3	12.5	13.8	16.3	18.7	21.1	23.4
45	0.25	0.57	1.06	1.52	1.97	2.83	3.68	4.49	5.30	6.09	6.87	7.64	8.40	9.90	11.4	12.8	14.2	15.7	18.5	21.2	23.9	26.6
	TYPE A						TYPE B													TYPE C		

50 5/8" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 10	25	50	75	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400	1600	1800
9	0.09	0.19	0.36	0.52	0.67	0.97	1.26	1.53	1.81	2.08	2.35	2.61	2.87	3.38	3.89	4.39	4.88	5.36	6.32	6.02	4.92	4.13
10	0.10	0.22	0.41	0.58	0.76	1.09	1.41	1.72	2.03	2.33	2.63	2.93	3.22	3.79	4.36	4.91	5.46	6.01	7.08	7.05	5.77	4.83
11	0.11	0.24	0.45	0.65	0.84	1.20	1.56	1.91	2.25	2.59	2.92	3.25	3.57	4.20	4.83	5.45	6.06	6.66	7.85	8.13	6.65	5.58
12	0.12	0.26	0.49	0.71	0.92	1.32	1.72	2.10	2.47	2.84	3.21	3.57	3.92	4.62	5.31	5.98	6.65	7.31	8.62	9.26	7.58	6.35
13	0.13	0.29	0.54	0.77	1.00	1.44	1.87	2.29	2.70	3.10	3.50	3.89	4.27	5.03	5.78	6.52	7.25	8.0	9.4	10.4	8.6	7.2
14	0.14	0.31	0.58	0.84	1.09	1.56	2.03	2.48	2.92	3.36	3.79	4.21	4.63	5.45	6.27	7.07	7.86	8.6	10.2	11.7	9.6	8.0
15	0.15	0.34	0.63	0.90	1.17	1.68	2.19	2.67	3.15	3.62	4.08	4.54	4.99	5.87	6.75	7.61	8.47	9.3	11.0	12.6	10.6	8.9
16	0.16	0.36	0.67	0.97	1.26	1.80	2.34	2.86	3.38	3.88	4.37	4.86	5.35	6.30	7.24	8.16	9.08	10.0	11.8	13.5	11.7	9.8
17	0.17	0.39	0.72	1.03	1.34	1.92	2.50	3.06	3.61	4.14	4.67	5.19	5.71	6.72	7.73	8.71	9.69	10.7	12.6	14.4	12.8	10.7
18	0.18	0.41	0.76	1.10	1.43	2.05	2.66	3.25	3.83	4.40	4.97	5.52	6.07	7.15	8.22	9.3	10.3	11.3	13.4	15.3	13.9	11.7
19	0.19	0.43	0.81	1.16	1.51	2.15	2.82	3.45	4.07	4.67	5.27	5.86	6.44	7.58	8.72	9.8	10.9	12.0	14.2	16.3	15.1	12.7
20	0.20	0.46	0.86	1.23	1.60	2.29	2.98	3.64	4.30	4.94	5.57	6.19	6.80	8.01	9.21	10.4	11.5	12.7	15.0	17.2	16.3	13.7
21	0.21	0.48	0.90	1.30	1.69	2.42	3.14	3.84	4.53	5.20	5.87	6.52	7.17	8.44	9.71	11.0	12.2	13.4	15.8	18.1	17.6	14.7
22	0.22	0.51	0.95	1.36	1.77	2.54	3.31	4.03	4.76	5.47	6.17	6.86	7.54	8.9	10.2	11.5	12.8	14.1	16.6	19.1	18.8	15.8
23	0.23	0.53	1.00	1.43	1.86	2.67	3.47	4.24	5.00	5.74	6.47	7.19	7.91	9.3	10.7	12.0	13.4	14.8	17.4	20.0	20.1	16.9
24	0.25	0.56	1.04	1.50	1.95	2.79	3.63	4.43	5.23	6.01	6.78	7.54	8.29	9.7	11.2	12.7	14.1	15.5	18.2	20.9	21.4	18.0
25	0.26	0.58	1.09	1.56	2.03	2.92	3.80	4.64	5.47	6.28	7.08	7.87	8.66	10.2	11.7	13.2	14.7	16.2	19.0	21.9	22.8	19.1
26	0.27	0.61	1.14	1.63	2.12	3.04	3.96	4.83	5.70	6.55	7.39	8.21	9.03	10.6	12.2	13.8	15.3	16.9	19.9	22.8	24.2	20.3
28	0.29	0.66	1.23	1.77	2.30	3.30	4.29	5.24	6.18	7.10	8.01	8.90	9.79	11.5	13.2	14.9	16.6	18.3	21.5	24.7	27.0	22.6
30	0.31	0.71	1.33	1.90	2.48	3.55	4.62	5.64	6.66	7.65	8.6	9.6	10.5	12.4	14.3	16.1	17.9	19.7	23.2	26.6	30.0	25.1
32	0.33	0.76	1.42	2.04	2.66	3.81	4.96	6.05	7.14	8.20	9.3	10.3	11.3	13.3	15.3	17.3	19.2	21.1	24.9	28.6	32.2	27.7
35	0.37	0.84	1.57	2.25	2.93	4.20	5.46	6.66	7.86	9.03	10.2	11.4	12.5	14.7	16.9	19.0	21.1	23.2	27.4	31.5	35.5	31.6
40	0.43	0.97	1.81	2.60	3.38	4.85	6.31	7.70	9.1	10.4	11.8	13.1	14.4	17.0	19.5	22.0	24.4	26.8	31.6	36.3	41.0	38.7
45	0.48	1.10	2.06	2.95	3.84	5.50	7.16	8.73	10.3	11.9	13.4	14.9	16.3	19.2	22.1	24.9	27.7	30.5	35.9	41.3	46.5	46.1
	TYPE A						TYPE B										TYPE C					

Lubrication Note

TYPE A: Manual or Drip
TYPE B: Bath or Disc
TYPE C: Oil Stream

Multiple Strand Chain HP Factors:

Single Strand	1.0
Double Strand	1.9
Triple Strand	2.8

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SELECTION

DODGE

Basic Horsepower Ratings

60 — 3/4" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 10	25	50	75	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1200	1400	1600
9	0.15	0.33	0.62	0.89	1.16	1.42	1.67	1.91	2.16	2.64	3.12	3.58	4.04	4.94	5.82	6.68	7.54	8.38	9.21	8.77	6.96	5.70
10	0.16	0.37	0.70	1.00	1.30	1.59	1.87	2.15	2.43	2.96	3.49	4.01	4.53	5.53	6.52	7.49	8.44	9.39	10.3	10.3	8.15	6.67
11	0.18	0.41	0.77	1.11	1.44	1.76	2.07	2.38	2.69	3.28	3.87	4.44	5.02	6.13	7.23	8.30	9.36	10.4	11.4	11.9	9.4	7.70
12	0.20	0.45	0.85	1.22	1.58	1.93	2.28	2.62	2.95	3.60	4.25	4.88	5.51	6.74	7.94	9.12	10.3	11.4	12.6	13.5	10.7	8.77
13	0.22	0.50	0.92	1.33	1.73	2.11	2.49	2.86	3.22	3.93	4.64	5.33	6.01	7.34	8.65	9.94	11.2	12.5	13.7	15.2	12.1	9.89
14	0.24	0.54	1.00	1.44	1.87	2.28	2.69	3.09	3.49	4.26	5.02	5.77	6.51	7.96	9.37	10.8	12.1	13.5	14.8	17.0	13.5	11.1
15	0.25	0.58	1.08	1.55	2.01	2.46	2.90	3.33	3.76	4.59	5.41	6.21	7.01	8.57	10.1	11.6	13.1	14.5	16.0	18.8	15.0	12.3
16	0.27	0.62	1.16	1.66	2.16	2.64	3.11	3.57	4.03	4.92	5.80	6.66	7.52	9.19	10.8	12.4	14.0	15.6	17.1	20.2	16.5	13.5
17	0.29	0.66	1.24	1.78	2.31	2.82	3.32	3.81	4.30	5.25	6.20	7.12	8.03	9.81	11.6	13.3	15.0	16.7	18.3	21.6	18.1	14.8
18	0.31	0.70	1.31	1.88	2.45	2.99	3.53	4.05	4.58	5.59	6.59	7.57	8.54	10.4	12.3	14.1	15.9	17.7	19.5	22.9	19.7	16.1
19	0.33	0.75	1.39	2.00	2.60	3.17	3.74	4.30	4.85	5.92	6.99	8.02	9.05	11.1	13.0	15.0	16.9	18.8	20.6	24.3	21.4	17.5
20	0.35	0.79	1.47	2.11	2.75	3.36	3.96	4.55	5.13	6.26	7.38	8.48	9.57	11.7	13.8	15.8	17.9	19.8	21.8	25.7	23.1	18.9
21	0.36	0.83	1.55	2.23	2.90	3.54	4.17	4.79	5.40	6.59	7.78	8.94	10.1	12.3	14.5	16.7	18.8	20.9	23.0	27.1	24.8	20.3
22	0.38	0.87	1.63	2.34	3.05	3.72	4.39	5.04	5.68	6.94	8.19	9.40	10.6	13.0	15.3	17.5	19.8	22.0	24.2	28.5	26.6	21.8
23	0.40	0.92	1.71	2.45	3.19	3.90	4.60	5.28	5.96	7.28	8.59	9.85	11.1	13.6	16.0	18.4	20.8	23.1	25.4	29.9	28.4	23.3
24	0.42	0.96	1.79	2.57	3.35	4.09	4.82	5.53	6.24	7.62	8.99	10.3	11.6	14.2	16.8	19.3	21.7	24.2	26.6	31.3	30.3	24.8
25	0.44	1.00	1.87	2.68	3.50	4.27	5.04	5.78	6.52	7.96	9.40	10.8	12.2	14.9	17.5	20.1	22.7	25.3	27.8	32.7	32.2	26.4
26	0.46	1.05	1.95	2.80	3.65	4.45	5.25	6.03	6.81	8.31	9.80	11.3	12.7	15.5	18.3	21.0	23.7	26.4	29.0	34.1	34.2	28.0
28	0.50	1.13	2.12	3.04	3.95	4.82	5.69	6.53	7.37	8.99	10.6	12.2	13.8	16.8	19.8	22.8	25.7	28.5	31.4	37.0	38.2	31.3
30	0.54	1.22	2.28	3.27	4.26	5.20	6.13	7.04	7.94	9.67	11.4	13.1	14.8	18.1	21.4	24.5	27.7	30.8	33.8	39.8	42.4	34.7
32	0.57	1.31	2.45	3.51	4.56	5.57	6.57	7.55	8.52	10.4	12.3	14.1	15.9	19.4	22.9	26.3	29.7	33.0	36.3	42.7	46.7	38.2
35	0.63	1.44	2.69	3.86	5.03	6.14	7.24	8.31	9.38	11.4	13.5	15.5	17.5	21.4	25.2	29.0	32.7	36.3	39.9	47.1	53.4	43.7
40	0.73	1.67	3.11	4.46	5.81	7.09	8.37	9.59	10.8	13.2	15.6	17.9	20.2	24.7	29.1	33.5	37.7	42.0	46.1	54.4	62.5	53.4
45	0.83	1.89	3.53	5.07	6.60	8.05	9.50	10.9	12.3	15.0	17.7	20.4	23.0	28.1	33.1	38.0	42.9	47.7	52.4	61.7	70.9	63.7
	TYPE A			TYPE B												TYPE C						

80 — 1" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 10	25	50	75	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1200	1400	1600
9	0.34	0.78	1.45	2.08	2.71	3.31	3.90	4.48	5.05	6.17	7.28	8.36	9.43	11.5	13.6	15.6	17.6	17.0	14.5	11.0	8.76	7.17
10	0.38	0.87	1.63	2.33	3.03	3.70	4.37	5.02	5.66	6.91	8.16	9.38	10.6	12.9	15.2	17.5	19.7	19.9	17.0	12.9	10.3	8.40
11	0.42	0.97	1.80	2.58	3.36	4.10	4.84	5.56	6.28	7.66	9.04	10.4	11.7	14.3	16.9	19.4	21.9	23.0	19.6	14.9	11.8	9.69
12	0.47	1.06	1.98	2.84	3.69	4.51	5.32	6.11	6.89	8.41	9.93	11.4	12.9	15.7	18.5	21.3	24.0	26.2	22.3	17.0	13.5	11.0
13	0.51	1.16	2.16	3.10	4.03	4.91	5.80	6.66	7.52	9.16	10.8	12.4	14.0	17.1	20.2	23.2	26.2	29.1	25.2	19.2	15.2	12.5
14	0.55	1.25	2.34	3.35	4.36	5.33	6.29	7.22	8.14	9.92	11.7	13.4	15.2	18.6	21.9	25.1	28.4	31.5	28.2	21.4	17.0	13.9
15	0.59	1.35	2.52	3.61	4.70	5.74	6.77	7.77	8.77	10.7	12.6	14.5	16.4	20.0	23.6	27.1	30.6	34.0	31.2	23.8	18.9	15.4
16	0.63	1.45	2.70	3.87	5.04	6.15	7.26	8.34	9.41	11.5	13.5	15.6	17.6	21.5	25.3	29.0	32.8	36.4	34.4	26.2	20.8	17.0
17	0.68	1.55	2.88	4.13	5.38	6.57	7.75	8.88	10.0	12.3	14.5	16.6	18.7	22.9	27.0	31.0	35.0	38.9	37.7	28.7	22.7	18.6
18	0.72	1.64	3.07	4.40	5.72	6.99	8.25	9.48	10.7	13.1	15.4	17.6	19.9	24.4	28.7	33.0	37.2	41.4	41.1	31.2	24.8	20.3
19	0.76	1.74	3.25	4.66	6.07	7.41	8.74	10.0	11.3	13.8	16.3	18.7	21.1	25.8	30.4	35.0	39.4	43.8	44.5	33.9	26.9	22.0
20	0.81	1.84	3.44	4.93	6.41	7.83	9.24	10.6	12.0	14.6	17.2	19.7	22.3	27.3	32.2	37.0	41.7	46.3	48.1	36.6	29.0	23.8
21	0.85	1.94	3.62	5.19	6.76	8.25	9.74	11.2	12.6	15.4	18.2	20.9	23.5	28.8	33.9	39.0	43.9	48.9	51.7	39.4	31.2	25.6
22	0.90	2.04	3.81	5.46	7.11	8.66	10.2	11.8	13.3	16.2	19.1	22.0	24.8	30.3	35.7	41.0	46.2	51.4	55.5	42.2	33.5	27.4
23	0.94	2.14	4.00	5.73	7.46	9.08	10.7	12.3	13.9	17.0	20.1	23.1	26.0	31.8	37.4	43.0	48.5	53.9	59.3	45.1	35.8	29.3
24	0.98	2.24	4.19	6.00	7.81	9.56	11.3	13.0	14.6	17.8	21.0	24.1	27.2	33.2	39.2	45.0	50.8	56.4	62.0	48.1	38.2	31.2
25	1.03	2.34	4.37	6.27	8.16	9.98	11.8	13.5	15.2	18.6	21.9	25.2	28.4	34.7	40.9	47.0	53.0	59.0	64.8	51.1	40.6	33.2
26	1.07	2.45	4.56	6.54	8.52	10.4	12.3	14.1	15.9	19.4	22.9	26.3	29.7	36.2	42.7	49.1	55.3	61.5	67.6	54.2	43.0	35.2
28	1.16	2.65	4.94	7.09	9.23	11.3	13.3	15.3	17.2	21.0	24.8	28.5	32.1	39.3	46.3	53.2	59.9	66.7	73.7	60.6	48.1	39.4
30	1.25	2.85	5.33	7.64	9.94	12.1	14.3	16.4	18.5	22.6	26.7	30.7	34.6	42.3	49.9	57.3	64.6	71.8	78.9	67.2	53.3	43.6
32	1.34	3.06	5.71	8.21	10.7	13.0	15.3	17.6	19.9	24.3	28.6	32.9	37.1	45.4	53.5	61.4	69.2	77.0	84.6	74.0	58.7	48.1
35	1.48	3.37	6.29	9.00	11.7	14.3	16.9	19.4	21.9	26.8	31.6	36.3	40.9	50.0	58.9	67.6	76.3	84.8	93.3	84.7	67.2	55.0
40	1.71	3.89	7.27	10.4	13.6	16.5	19.5	22.4	25.3	30.9	36.4	41.8	47.2	57.7	68.0	78.1	88.1	99.0	108	103	82.1	67.2
45	1.94	4.42	8.25	11.8	15.4	18.8	22.2	25.5	28.7	35.1	41.4	47.5	53.6	65.6	77.2	88.7	100	111	122	123	98.0	80.2
	TYPE A			TYPE B										TYPE C								

Lubrication Note

TYPE A: Manual or Drip
TYPE B: Bath or Disc
TYPE C: Oil Stream

Multiple Strand Chain HP Factors:

Single Strand	1.0
Double Strand	1.9
Triple Strand	2.8

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DODGE

Basic Horsepower Ratings

100 1-1/4" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 10	25	50	75	100	125	150	175	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
9	0.65	1.49	2.78	3.985	5.19	6.33	7.47	8.575	9.68	11.8	13.9	16.0	18.1	20.1	22.1	26.0	29.6	24.2	20.3	17.4	15.0	13.2
10	0.73	1.67	3.11	4.46	5.81	7.09	8.37	9.585	10.8	13.2	15.6	17.9	20.2	22.5	24.7	29.2	33.5	28.4	23.8	20.3	17.6	15.5
11	0.81	1.85	3.45	4.945	6.44	7.86	9.28	10.6	12.0	14.6	17.3	19.8	22.4	24.9	27.4	32.3	37.1	32.8	27.5	23.4	20.3	17.8
12	0.89	2.03	3.79	5.435	7.08	8.64	10.2	11.7	13.2	16.1	19.0	21.8	24.6	27.4	30.1	35.5	40.8	37.3	31.3	26.7	23.2	20.3
13	0.97	2.22	4.13	5.925	7.72	9.41	11.1	12.8	14.4	17.5	20.7	23.8	26.9	29.8	32.8	38.7	44.5	42.1	35.3	30.1	26.1	22.9
14	1.05	2.40	4.48	6.42	8.36	10.18	12.0	13.8	15.6	19.0	22.5	25.8	29.1	32.3	35.6	41.9	48.2	47.0	39.4	33.7	29.2	25.6
15	1.13	2.59	4.83	6.92	9.01	11.0	13.0	14.9	16.8	20.5	24.2	27.8	31.4	34.8	38.3	45.2	51.9	52.2	43.7	37.3	32.4	28.4
16	1.22	2.77	5.17	7.415	9.66	11.8	13.9	15.9	18.0	22.0	26.0	29.8	33.6	37.3	41.1	48.4	55.6	57.5	48.2	41.1	35.7	31.3
17	1.30	2.96	5.52	7.91	10.3	12.6	14.8	17.0	19.2	23.5	27.7	31.8	35.9	39.9	43.9	51.7	59.4	63.0	52.8	45.0	39.0	34.3
18	1.38	3.15	5.88	8.44	11.0	13.4	15.8	18.1	20.5	25.0	29.5	33.8	38.2	42.5	46.7	55.0	63.2	68.6	57.5	49.1	42.5	37.3
19	1.46	3.34	6.23	8.915	11.6	14.2	16.7	19.2	21.7	26.5	31.2	35.8	40.5	45.0	49.5	58.3	67.0	74.4	62.3	53.2	46.1	40.5
20	1.55	3.53	6.58	9.44	12.3	15.0	17.7	20.3	22.9	28.0	33.0	37.9	42.8	47.5	52.3	61.6	70.8	79.8	67.3	57.5	49.8	43.7
21	1.63	3.72	6.94	9.97	13.0	15.9	18.7	21.5	24.2	29.5	34.8	39.9	45.1	50.1	55.1	65.0	74.6	84.2	72.4	61.8	53.6	47.0
22	1.71	3.91	7.30	10.45	13.6	16.6	19.6	22.5	25.4	31.0	36.6	42.0	47.4	52.7	58.0	68.3	78.5	88.5	77.7	66.3	57.5	50.4
23	1.80	4.10	7.66	11.0	14.3	17.5	20.6	23.7	26.7	32.6	38.4	44.1	49.8	55.3	60.8	71.7	82.3	92.8	83.0	70.9	61.4	53.9
24	1.88	4.30	8.02	11.5	15.0	18.3	21.5	24.7	27.9	34.0	40.2	46.2	52.1	57.9	63.7	75.0	86.2	97.2	88.5	75.6	65.5	57.5
25	1.97	4.49	8.38	12.0	15.6	19.0	22.5	25.9	29.2	35.6	42.0	48.2	54.4	60.5	66.6	78.4	90.1	102	94.1	80.3	69.6	61.1
26	2.05	4.68	8.74	12.5	16.3	19.9	23.5	27.0	30.4	37.1	43.8	50.3	56.8	63.1	69.4	81.8	94.0	106	99.8	85.2	73.8	64.8
28	2.22	5.07	9.47	13.6	17.7	21.6	25.5	29.3	33.0	40.3	47.5	54.5	61.5	68.3	75.2	88.6	102	115	112	95.2	82.5	72.4
30	2.40	5.47	10.2	14.6	19.0	23.2	27.4	31.5	35.5	43.3	51.2	58.8	66.3	73.7	81.0	95.5	110	124	124	106	91.5	80.3
32	2.57	5.86	10.9	15.6	20.4	24.9	29.4	33.8	38.1	46.5	54.9	63.0	71.1	79.0	86.9	102	118	133	136	116	101	88.5
35	2.83	6.46	12.0	17.3	22.5	27.5	32.4	37.2	42.0	51.2	60.4	69.4	78.3	87.0	95.7	113	130	146	156	133	115	101
40	3.27	7.46	13.9	20.0	26.0	31.7	37.4	43.0	48.5	59.2	69.8	80.1	90.4	101	111	130	150	169	188	163	141	124
45	3.71	8.47	15.8	22.6	29.5	36.0	42.5	48.8	55.0	67.2	79.3	91.2	103	114	126	148	170	192	213	194	168	148
TYPE A			TYPE B								TYPE C											

120 1-1/2" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 10	25	50	75	100	125	150	175	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
9	1.10	2.52	4.69	6.73	8.76	10.7	12.6	14.4	16.3	19.9	23.5	27.0	30.5	33.9	37.3	43.2	34.3	28.1	23.5	20.1	17.4	15.3
10	1.24	2.82	5.26	7.54	9.81	12.0	14.1	16.2	18.3	22.3	26.4	30.3	34.2	38.0	41.8	49.2	40.1	32.9	27.5	23.5	20.4	17.9
11	1.37	3.12	5.83	8.36	10.9	13.3	15.7	18.0	20.3	24.8	29.2	33.6	37.9	42.1	46.3	54.6	46.3	37.9	31.8	27.1	23.5	20.6
12	1.50	3.43	6.40	9.15	11.9	14.6	17.2	19.7	22.3	27.2	32.1	36.8	41.6	46.3	50.9	59.9	52.8	43.2	36.2	30.9	26.8	23.5
13	1.64	3.74	6.98	10.0	13.0	15.9	18.8	21.5	24.3	29.6	35.0	40.2	45.4	50.5	55.5	65.3	59.5	48.7	40.8	34.9	30.2	26.5
14	1.78	4.05	7.56	10.8	14.1	17.2	20.3	23.3	26.3	32.1	37.9	43.5	49.1	54.6	60.1	70.8	66.5	54.4	45.6	39.0	33.8	29.6
15	1.91	4.37	8.15	11.7	15.2	18.5	21.9	25.1	28.4	34.7	40.9	47.0	53.0	58.8	64.7	76.3	73.8	60.4	50.6	43.2	37.4	32.9
16	2.05	4.68	8.74	12.5	16.3	19.9	23.5	27.0	30.4	37.1	43.8	50.3	56.8	63.1	69.4	81.8	81.3	66.5	55.7	47.6	41.2	36.2
17	2.19	5.00	9.33	13.4	17.4	21.3	25.1	28.8	32.5	39.7	46.8	53.7	60.6	67.3	74.1	87.3	89.0	72.8	61.0	52.1	45.2	39.6
18	2.33	5.32	9.92	14.2	18.5	22.6	26.7	30.6	34.6	42.2	49.8	57.2	64.5	71.7	78.8	92.9	97.0	79.4	66.5	56.8	49.2	43.2
19	2.47	5.64	10.5	15.1	19.6	24.0	28.3	32.4	36.6	44.7	52.8	60.6	68.4	76.0	83.6	98.5	105	86.1	72.1	61.6	53.4	46.8
20	2.61	5.96	11.1	15.9	20.7	25.3	29.9	34.3	38.7	47.3	55.8	64.0	72.2	80.3	88.3	104	114	92.9	77.9	66.5	57.6	50.6
21	2.75	6.28	11.7	16.8	21.9	26.7	31.5	36.2	40.8	49.8	58.8	67.5	76.2	84.6	93.1	110	122	100	83.8	71.6	62.0	54.4
22	2.90	6.60	12.3	17.6	23.0	28.0	33.1	38.0	42.9	52.3	61.8	70.9	80.1	89.0	97.9	115	131	107	89.9	76.7	66.5	58.4
23	3.04	6.93	12.9	18.5	24.1	29.5	34.8	39.9	45.0	55.0	64.9	74.4	84.0	93.5	103	121	139	115	96.1	82.0	71.1	62.4
24	3.18	7.25	13.5	19.4	25.3	30.9	36.4	41.8	47.1	57.5	67.9	77.9	88.0	98.0	108	127	146	122	102	87.4	75.8	66.5
25	3.32	7.58	14.1	20.3	26.4	32.2	38.0	43.7	49.3	60.2	71.0	81.4	91.9	102	112	132	152	130	109	92.9	80.6	70.7
26	3.47	7.91	14.8	21.1	27.5	33.6	39.7	45.6	51.4	62.7	74.0	84.9	95.9	106	117	138	159	138	115	98.6	85.4	75.0
28	3.76	8.57	16.0	22.9	29.8	36.4	43.0	49.3	55.7	67.9	80.2	92.1	104	115.5	127	150	172	154	129	110	95.5	83.8
30	4.05	9.23	17.2	24.6	32.1	39.2	46.3	53.2	60.0	73.2	86.4	99.2	112	124.5	137	161	185	171	143	122	106	92.9
32	4.34	9.90	18.5	26.5	34.5	42.0	49.6	57.0	64.3	78.4	92.6	106.3	120	133.5	147	173	199	188	158	135	117	102
35	4.78	10.9	20.3	29.1	38.0	46.3	54.7	62.8	70.9	86.4	102	117	132	147	162	190	219	215	180	154	133	117
40	5.52	12.6	23.5	33.7	43.9	53.6	63.2	72.5	81.8	99.9	118	135.5	153	170	187	220	253	263	220	188	163	143
45	6.27	14.3	26.7	38.3	49.8	60.8	71.7	82.3	92.9	113	134	153.5	173	192.5	212	250	287	314	263	224	195	171
TYPE A			TYPE B								TYPE C											

Lubrication Note

TYPE A: Manual or Drip
TYPE B: Bath or Disc
TYPE C: Oil Stream

Multiple Strand Chain HP Factors:

Single Strand	1.0
Double Strand	1.9
Triple Strand	2.8

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SELECTION

DODGE

Basic Horsepower Ratings

140 1-3/4" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 10	25	50	75	100	125	150	175	200	225	250	275	300	325	350	400	450	500	550	600	700	800
9	1.71	3.89	7.26	10.4	13.6	16.5	19.5	22.4	25.3	28.1	30.9	33.7	36.4	39.1	41.8	47.2	52.5	57.7	55.7	48.9	38.8	31.7
10	1.91	4.36	8.14	11.7	15.2	18.5	21.9	25.1	28.3	31.4	34.6	37.7	40.8	43.8	46.9	52.9	58.8	64.6	65.2	57.2	45.4	37.2
11	2.12	4.83	9.02	12.9	16.8	20.5	24.2	27.8	31.4	34.9	38.4	41.8	45.2	48.6	52.0	58.6	65.2	71.6	75.2	66.0	52.4	42.9
12	2.33	5.31	9.91	14.2	18.5	22.5	26.6	30.5	34.5	38.3	42.2	46.0	49.7	53.4	57.1	64.4	71.6	78.7	85.7	75.2	59.7	48.9
13	2.54	5.79	10.8	15.5	20.2	24.6	29.0	33.3	37.6	41.8	46.0	50.1	54.2	58.2	62.2	70.2	78.0	85.8	93.5	84.8	67.3	55.1
14	2.75	6.27	11.7	16.8	21.8	26.6	31.5	36.2	40.8	45.3	49.8	54.3	58.7	63.1	67.4	76.0	84.5	93.0	101	94.8	75.2	61.6
15	2.96	6.76	12.6	18.0	23.5	28.7	33.9	38.9	43.9	48.8	53.7	58.5	63.2	67.9	72.7	81.9	91.1	100	109	105	83.4	68.3
16	3.18	7.24	13.5	19.4	25.2	30.8	36.3	41.7	47.1	52.3	57.5	62.7	67.8	72.9	77.9	87.8	97.7	107	117	116	91.9	75.2
17	3.39	7.73	14.4	20.6	26.9	32.8	38.8	44.5	50.3	55.8	61.4	66.9	72.4	77.8	83.2	93.8	104	115	125	127	101	82.4
18	3.61	8.23	15.4	22.0	28.6	35.0	41.3	47.4	53.5	59.4	65.3	71.2	77.0	82.8	88.5	99.8	111	122	133	138	110	89.8
19	3.82	8.72	16.3	23.3	30.4	37.0	43.7	50.2	56.7	63.0	69.3	75.4	81.6	87.7	93.8	106	118	129	141	150	119	97.4
20	4.04	9.22	17.2	24.6	32.1	39.2	46.2	53.1	59.9	66.6	73.2	79.8	86.3	92.7	99.1	112	124	137	149	161	128	105
21	4.26	9.72	18.1	26.0	33.8	41.3	48.7	55.9	63.1	70.1	77.2	84.1	91.0	97.5	104	118	131	144	157	170	138	113
22	4.48	10.2	19.1	27.3	35.6	43.4	51.3	58.8	66.4	73.8	81.2	88.4	95.6	103	110	124	138	151	165	178	148	121
23	4.70	10.7	20.0	28.6	37.3	45.5	53.8	61.8	69.7	77.4	85.2	92.6	100	107	115	130	145	159	173	187	158	130
24	4.92	11.2	20.9	30.0	39.1	47.7	56.3	64.6	72.9	81.1	89.2	97.1	105	113	121	136	151	166	181	196	169	138
25	5.14	11.7	21.9	31.3	40.8	49.8	58.8	67.5	76.2	84.7	93.2	102	110	118	126	142	158	174	189	205	180	147
26	5.37	12.2	22.8	32.7	42.6	52.0	61.4	70.4	79.5	88.3	97.2	106	115	124	132	148	165	181	198	214	190	156
28	5.81	13.3	24.7	35.5	46.2	56.3	66.5	76.3	86.2	95.6	105	114	124	134	143	161	179	197	214	232	213	174
30	6.26	14.3	26.7	38.2	49.7	60.7	71.6	82.2	92.8	102.9	113	124	134	144	154	173	193	212	231	249	236	193
32	6.71	15.3	28.6	41.0	53.3	65.1	76.8	88.2	99.5	111	122	132	143	154	165	186	206	227	247	267	260	213
35	7.40	16.9	31.5	45.1	58.7	71.7	84.6	97.3	110	122	134	146	158	169	181	205	227	250	272	295	297	243
40	8.54	19.5	36.4	52.2	67.9	82.8	97.7	112	127	141	155	168	182	196	210	236	263	289	315	340	363	297
45	9.70	22.1	41.3	59.2	77.1	94.1	111	127.5	144	160	176	192	207	222	238	268	298	328	357	387	434	355
TYPE A	TYPE B								TYPE C													

160 2" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 10	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600	700
9	2.48	5.65	10.5	15.1	19.7	24.0	28.3	32.5	36.7	40.8	44.8	48.8	52.8	56.8	60.7	64.6	68.5	76.1	71.5	62.0	54.4	43.2
10	2.77	6.33	11.8	16.9	22.0	26.9	31.7	36.4	41.1	45.7	50.3	54.8	59.2	63.6	68.0	72.3	76.7	85.3	83.7	72.6	63.7	50.5
11	3.07	7.01	13.1	18.8	24.4	29.8	35.2	40.4	45.6	50.7	55.7	60.7	65.6	70.5	75.4	80.2	85.0	94.5	96.6	83.7	73.5	58.3
12	3.38	7.70	14.4	20.6	26.8	32.7	38.6	44.3	50.1	55.7	61.2	66.7	72.1	77.4	82.8	88.1	93.4	104	110	95.4	83.7	66.4
13	3.68	8.40	15.7	22.5	29.2	35.7	42.1	48.3	54.6	60.6	66.7	72.6	78.6	84.4	90.3	96.2	102	113	124	108	94.4	74.9
14	3.99	9.10	17.0	24.4	31.7	38.7	45.6	52.3	59.1	65.7	72.3	78.8	85.2	91.5	97.8	104	110	123	135	120	105	83.7
15	4.30	9.80	18.3	26.2	34.1	41.7	49.2	56.5	63.7	70.8	77.9	84.8	91.7	98.3	105	112	119	132	145	133	117	92.8
16	4.61	10.5	19.6	28.1	36.6	44.7	52.7	60.5	68.3	75.9	83.5	90.9	98.4	106	113	120	127	142	156	147	129	102
17	4.92	11.2	20.9	30.0	39.1	47.7	56.3	64.6	72.9	81.0	89.1	97.1	105	113	121	128	136	151	166	161	141	112
18	5.23	11.9	22.3	31.9	41.6	50.8	59.9	68.8	77.6	86.2	94.8	103	112	120	128	136	145	161	177	175	154	122
19	5.55	12.7	23.6	33.8	44.1	53.8	63.5	72.8	82.2	91.6	101	109	118	127	136	145	153	171	188	190	167	132
20	5.86	13.4	25.0	35.8	46.6	56.8	67.1	77.0	86.9	96.4	106	115	125	135	144	153	162	180	198	205	180	143
21	6.18	14.1	26.3	37.7	49.1	59.9	70.7	81.1	91.6	102	112	122	132	142	152	162	171	190	209	221	194	154
22	6.50	14.8	27.7	39.7	51.6	63.0	74.4	85.4	96.3	107	118	128	139	149	159	169	180	200	220	237	208	165
23	6.82	15.6	29.0	41.6	54.2	66.1	78.0	89.5	101	112	124	135	146	156	167	178	189	210	231	251	222	176
24	7.14	16.3	30.4	43.5	56.7	69.2	81.7	93.8	106	117	129	141	152	163	175	186	197	220	241	263	237	188
25	7.46	17.0	31.1	45.2	59.3	72.3	85.4	98.2	111	123	135	147	159	171	183	195	206	229	252	275	252	200
26	7.78	17.8	31.8	46.8	61.8	75.4	89.1	102	115	128	141	153	166	179	191	203	215	239	263	287	267	212
28	8.43	19.2	35.9	51.5	67.0	81.8	96.5	111	125	139	153	166	180	193	207	220	233	259	285	311	298	237
30	9.08	20.7	38.7	55.4	72.2	88.1	104	119	135	150	165	179	194	209	223	237	251	279	307	336	331	263
32	9.74	22.2	41.5	59.5	77.4	94.2	111	128	144	160	176	192	208	223	239	254	269	300	329	359	365	289
35	10.7	24.5	45.7	65.4	85.2	104	123	141	159	176	194	212	229	246	263	280	297	330	363	395	417	331
40	12.4	28.3	52.8	75.7	98.5	120	142	163	184	205	225	245	265	284	304	324	343	381	419	457	494	404
45	14.1	32.1	59.9	85.9	112	136	161	185	209	232	255	278	301	323	345	367	389	433	476	519	561	482
TYPE A	TYPE B					TYPE C																

Lubrication Note

TYPE A: Manual or Drip
TYPE B: Bath or Disc
TYPE C: Oil Stream

Multiple Strand Chain HP Factors:

Single Strand	1.0
Double Strand	1.9
Triple Strand	2.8

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DODGE

Basic Horsepower Ratings

180 2-1/4" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 10	20	30	40	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400
11	4.24	7.87	11.4	14.7	18.1	25.9	33.7	41.2	48.6	55.7	62.9	69.9	76.9	83.8	90.6	97.3	104	110	117
12	4.66	8.62	12.4	16.1	19.8	28.4	37.0	45.2	53.4	61.3	69.1	76.8	84.5	92.1	99.6	107	114	121	129
13	5.08	9.43	13.6	17.6	21.6	31.0	40.4	49.3	58.2	66.8	75.4	83.8	92.1	101	109	117	125	133	141
14	5.51	10.2	14.8	19.1	23.4	33.5	43.7	53.3	63.0	72.3	81.6	90.7	99.8	109	118	126	135	143	152
15	5.93	11.0	15.9	20.6	25.3	36.2	47.1	57.5	67.9	77.9	88.0	98.0	108	117	127	136	146	155	164
16	6.36	11.8	17.0	22.1	27.1	38.8	50.5	61.7	72.8	83.6	94.3	105	115	125	136	146	156	166	176
17	6.79	12.6	18.2	23.5	28.9	41.5	54.0	65.8	77.7	89.3	101	112	123	134	145	156	167	178	188
18	7.22	13.4	19.4	25.1	30.8	44.1	57.4	70.1	82.7	94.8	107	119	131	142	154	165	177	189	200
19	7.66	14.2	20.5	26.6	32.6	46.7	60.8	74.2	87.6	101	114	126	139	152	164	176	188	200	212
20	8.10	15.0	21.7	28.1	34.5	49.4	64.3	78.4	92.6	106	120	134	147	160	173	186	199	212	224
21	8.53	15.8	22.9	29.6	36.3	52.1	67.8	82.7	97.6	112	126	141	155	168	182	195	209	222	236
22	8.97	16.7	24.0	31.1	38.2	54.8	71.3	87.2	103	118	133	148	163	178	192	206	220	234	248
23	9.41	17.5	25.2	32.7	40.1	57.5	74.8	91.4	108	124	140	155	171	186	201	216	231	246	260
24	9.86	18.3	26.4	34.2	42.0	60.2	78.3	95.7	113	129	146	162	179	195	210	226	242	258	273
25	10.3	19.1	27.6	35.7	43.9	62.9	81.8	99.9	118	135	153	170	187	203	220	236	253	269	285
26	10.7	19.9	28.7	37.2	45.7	65.6	85.4	104	123	141	159	177	195	212	229	246	264	281	297
28	11.6	21.6	31.2	40.4	49.6	71.1	92.5	113	133	153	173	192	211	230	249	267	286	304	322
30	12.5	23.2	33.6	43.5	53.4	76.5	99.6	122	144	165	186	206	227	247	268	288	308	327	347
32	13.4	24.9	36.0	46.6	57.2	82.1	107	131	154	176	199	222	244	265	287	308	330	351	372
35	14.8	27.5	39.7	51.4	63.1	90.6	118	144	170	195	220	244	268	292	316	339	363	386	410
TYPE A	TYPE B								TYPE C										

200 2-1/2" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 10	15	20	30	40	50	60	70	80	90	100	125	150	175	200	225	250	275	300
11	5.64	8.12	10.5	15.1	19.6	24.0	28.3	32.5	36.6	40.7	44.8	54.7	64.5	74.0	83.5	92.8	102	111	120
12	6.19	8.92	11.6	16.6	21.6	26.4	31.0	35.7	40.2	44.7	49.2	60.0	70.8	81.3	91.8	102	112	122	132
13	6.75	9.72	12.6	18.1	23.5	28.7	33.8	38.9	43.8	48.7	53.6	65.4	77.2	88.6	100	111	122	133	144
14	7.31	10.5	13.6	19.7	25.5	31.1	36.6	42.1	47.4	52.8	58.1	70.9	83.7	95.8	108	120	132	144	156
15	7.88	11.3	14.7	21.2	27.4	33.5	39.5	45.4	51.1	56.9	62.6	76.3	90.1	104	117	130	143	155	168
16	8.45	12.2	15.8	22.7	29.4	36.0	42.3	48.7	54.8	61.0	67.1	81.8	96.6	111	125	139	153	166	180
17	9.02	13.0	16.8	24.2	31.4	38.4	45.2	52.0	58.5	65.1	71.6	87.3	103	119	134	148	163	178	193
18	9.59	13.8	17.9	25.8	33.4	40.8	48.0	55.3	62.3	69.2	76.2	93.1	110	126	142	158	174	189	205
19	10.2	14.6	19.0	27.3	35.4	43.3	50.9	58.6	66.0	73.4	80.8	98.4	116	134	151	168	184	200	217
20	10.7	15.5	20.1	28.9	37.4	45.8	53.8	61.9	69.7	77.6	85.4	104	123	141	159	177	195	212	229
21	11.3	16.3	21.1	30.5	39.5	48.2	56.8	65.3	73.5	81.8	90.0	110	130	149	168	186	205	223	242
22	11.9	17.2	22.2	32.0	41.5	50.7	59.7	68.7	77.3	86.0	94.6	115	136	156	177	196	216	235	254
23	12.5	18.0	23.3	33.6	43.5	53.2	62.6	72.0	81.1	90.2	99.3	121	143	164	185	205	226	246	267
24	13.1	18.9	24.4	35.2	45.6	55.7	65.6	75.4	84.9	94.5	104	127	150	172	194	216	237	258	279
25	13.7	19.7	25.5	36.8	47.6	58.2	68.5	78.8	88.9	98.9	109	132	156	179	203	226	248	270	292
26	14.3	20.6	26.6	38.4	49.7	60.7	71.4	82.2	92.5	103	113	138	163	188	212	236	259	282	305
TYPE A	TYPE B														TYPE C				

240 3" Pitch Single Strand Roller Chain — HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM 5	10	15	20	25	30	40	50	60	70	80	90	100	125	150	175	200	250	300
11	4.86	9.08	13.1	16.9	20.7	24.4	31.6	38.6	45.5	52.3	59.0	65.6	72.1	88.1	104	119	135	164	194
12	5.34	9.97	14.4	18.6	22.7	26.8	34.7	42.4	50.0	57.4	64.8	72.0	79.2	96.8	114	131	148	181	213
13	5.83	10.9	15.7	20.3	24.8	29.2	37.9	46.3	54.5	62.5	70.6	78.5	86.4	106	124	143	161	197	232
14	6.31	11.8	17.0	22.0	26.9	31.7	41.0	50.1	59.1	67.8	76.5	85.1	93.6	114	135	155	175	213	251
15	6.80	12.7	18.3	23.7	28.9	34.1	44.2	54.0	63.6	73.0	82.4	91.7	101	123	145	167	188	230	271
16	7.29	13.6	19.6	25.4	31.0	36.6	47.4	57.9	68.2	78.3	88.4	98.2	108	132	156	179	202	247	290
17	7.78	14.5	20.9	27.1	33.1	39.0	50.6	61.8	72.9	83.7	94.4	105	115	141	166	191	215	263	310
18	8.28	15.4	22.3	28.8	35.2	41.5	53.8	65.8	77.5	88.8	100	112	123	150	177	203	229	280	330
19	8.78	16.4	23.6	30.6	37.4	44.0	57.0	69.7	82.2	94.1	106	118	130	159	187	215	243	297	350
20	9.28	17.3	24.9	32.3	39.5	46.5	60.3	73.7	86.8	99.4	112	125	138	168	198	228	257	314	370
21	9.78	18.2	26.3	34.1	41.6	49.0	63.5	77.7	91.5	105	119	132	145	177	209	240	270	331	390
22	10.3	19.2	27.6	35.8	43.8	51.6	66.8	81.7	96.2	111	125	138	152	186	220	252	284	348	410
23	10.8	20.1	29.0	37.6	45.9	54.1	70.1	85.7	101	116	131	145	160	195	230	265	298	365	430
24	11.3	21.1	30.4	39.3	48.1	56.7	73.4	89.7	106	121	137	152	167	205	241	277	312	382	450
25	11.8	22.0	31.7	41.1	50.3	59.2	76.7	93.8	110	126	143	159	175	214	252	290	327	399	470
26	12.3	23.0	33.1	42.9	52.4	61.8	80.0	97.8	115	132	149	166	183	223	263	302	341	416	491
TYPE A	TYPE B														TYPE C				

Lubrication Note

TYPE A: Manual or Drip
TYPE B: Bath or Disc
TYPE C: Oil Stream

Multiple Strand Chain HP Factors:

Single Strand	1.0
Double Strand	1.9
Triple Strand	2.8

Shaded Area: Operation is in the galling range - consult factory

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Basic Horsepower Ratings

2040 — HP Ratings for 2040 Double Pitch Drive Chain

No. of Effective Teeth, Small Spkt.	HP Ratings @ Various RPM, Small Sprocket																			
	25	50	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000	1100	1200	1300
6	.10	.17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	.12	.21	.35	.46	.54	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	.14	.25	.64	.72	.82	.90	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	.16	.30	.53	.72	.88	1.02	1.14	1.3	1.3	...	...	...	...	...	...	...	...	...	...	...
10	.18	.34	.61	.82	1.04	1.21	1.37	1.5	1.6	1.7	1.8	1.9		...	...	...	...	...	...	...
11	.20	.38	.69	.96	1.20	1.41	1.59	1.8	1.9	2.0	2.1	2.2	2.3	...	...	...	...	...	...	...
12	.22	.42	.77	1.07	1.34	1.58	1.80	2.0	2.2	2.3	2.5	2.6	2.7	2.9		...	...	...	...	...
13	.24	.46	.84	1.18	1.48	1.76	2.01	2.2	2.4	2.6	2.8	2.9	3.1	3.3	3.5	...	...	...	...	...
14	.26	.50	.92	1.29	1.62	1.93	2.21	2.5	2.7	2.9	3.1	3.3	3.4	3.7	3.9	4.1	...	...	...	...
15	.28	.54	.99	1.39	1.76	2.09	2.40	2.7	2.9	3.2	3.4	3.6	3.8	4.1	4.3	4.5	4.7	...	...	...
16	.30	.57	1.06	1.50	1.89	2.25	2.59	2.9	3.2	3.4	3.7	3.9	4.1	4.4	4.7	5.0	5.1	...	...	...
17	.32	.61	1.13	1.60	2.02	2.41	2.77	3.1	3.4	3.7	4.0	4.2	4.4	4.8	5.1	5.4	5.6	5.7	...	...
18	.34	.65	1.20	1.70	2.15	2.57	2.95	3.3	3.6	3.9	4.2	4.5	4.7	5.1	5.5	5.8	6.0	6.2	...	...
19	.36	.69	1.27	1.80	2.28	2.73	3.13	3.5	3.9	4.2	4.5	4.8	5.0	5.5	5.9	6.2	6.4	6.6	6.7	...
20	.38	.72	1.34	1.89	2.40	2.87	3.30	3.7	4.1	4.4	4.7	5.0	5.3	5.8	6.2	6.5	6.8	7.0	7.1	...
21	.40	.76	1.41	1.99	2.53	3.01	3.47	3.9	4.3	4.6	5.0	5.3	5.6	6.1	6.5	6.9	7.1	7.4	7.5	...
22	.42	.79	1.48	2.09	2.64	3.16	3.63	4.1	4.5	4.9	5.2	5.5	5.8	6.4	6.8	7.2	7.5	7.7	7.9	...
23	.44	.83	1.54	2.18	2.76	3.30	3.80	4.3	4.7	5.1	5.4	5.8	6.1	6.6	7.1	7.5	7.8	8.0	8.2	8.3
24	.46	.87	1.61	2.27	2.88	3.44	3.95	4.4	4.9	5.3	5.7	6.0	6.4	6.9	7.4	7.8	8.1	8.4	8.5	8.6
25	.48	.90	1.67	2.36	3.00	3.58	4.11	4.6	5.1	5.5	5.9	6.3	6.6	7.2	7.7	8.1	8.4	8.7	8.8	8.9
30	.57	1.08	1.99	2.81	3.56	4.24	4.87	5.4	6.0	6.5	6.9	7.4	7.8	8.4	8.9	9.4	9.7	10.0	10.1	10.1
	TYPE I					TYPE II								TYPE III						

2050 — HP Ratings for 2050 Double Pitch Drive Chain

No. of Effective Teeth, Small Spkt.	HP Ratings @ Various RPM, Small Sprocket																			
	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
6	.18	.31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	.22	.40	.65	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	.26	.48	.82	1.08	1.28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	.31	.56	.98	1.32	1.59	1.82	1.99	...	...	...	...	...	...	...	...	...	...	...	...	...
10	.35	.64	1.14	1.55	1.89	2.19	2.42	2.62	2.80	...	...	...	...	...	...	...	...	...	...	...
11	.39	.72	1.30	1.77	2.19	2.55	2.85	3.11	3.35	3.55	...	...	...	...	...	...	...	...	...	...
12	.43	.80	1.45	1.99	2.47	2.90	3.26	3.58	3.88	4.12	4.31	...	...	...	...	...	...	...	...	...
13	.47	.88	1.59	2.20	2.74	3.23	3.65	4.03	4.38	4.66	4.90	5.11	5.30	...	...	...	...	...	...	...
14	.51	.95	1.73	2.41	3.01	3.55	4.02	4.45	4.85	5.17	5.47	5.73	5.95	6.09	...	...	...	...	...	...
15	.55	1.02	1.87	2.62	3.27	3.87	4.37	4.86	5.30	5.67	6.01	6.31	6.57	6.75	6.94	...	...	...	...	...
16	.58	1.09	2.01	2.82	3.52	4.17	4.72	5.25	5.73	6.15	6.53	6.87	7.17	7.39	7.61	7.79	...	...	...	...
17	.62	1.17	2.14	3.01	3.77	4.46	5.07	5.67	6.15	6.61	7.05	7.42	7.74	7.99	8.24	8.46	8.62	...	...	...
18	.66	1.24	2.27	3.20	4.01	4.75	5.41	6.04	6.56	7.07	7.54	7.95	8.29	8.56	8.84	9.08	9.28	...	...	...
19	.70	1.31	2.40	3.39	4.25	5.04	5.75	6.40	6.96	7.51	8.01	8.46	8.82	9.12	9.42	9.68	9.90	10.08	...	...
20	.74	1.38	2.53	3.57	4.48	5.32	6.07	6.75	7.35	7.94	8.46	8.94	9.33	9.65	9.97	10.25	10.49	10.69	...	...
21	.77	1.45	2.66	3.75	4.71	5.59	6.38	7.10	7.74	8.36	8.90	9.40	9.82	10.16	10.50	10.80	11.06	11.28	11.44	...
22	.81	1.52	2.79	3.92	4.93	5.85	6.69	7.44	8.12	8.77	9.33	9.84	10.29	10.65	11.01	11.32	11.59	11.83	12.00	...
23	.84	1.59	2.92	4.10	5.15	6.11	6.99	7.77	8.49	9.16	9.75	10.27	10.74	11.12	11.50	11.82	12.10	12.35	12.53	...
24	.88	1.66	3.05	4.27	5.37	6.37	7.29	8.10	8.85	9.54	10.16	10.70	11.18	11.57	11.97	12.30	12.59	12.85	13.03	...
25	.91	1.72	3.17	4.45	5.59	6.62	7.57	8.42	9.20	9.91	10.56	11.12	11.61	12.01	12.42	12.75	13.05	13.33	13.50	13.57
30	1.09	2.05	3.77	5.29	6.62	7.82	8.92	9.92	10.80	11.65	12.32	12.99	13.55	13.96	14.39	14.76	15.06	15.30	15.48	...
	TYPE I					TYPE II					TYPE III									

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DODGE

Basic Horsepower Ratings

2060 — HP Ratings for 2060 Double Pitch Drive Chain

No. of Effective Teeth, Small Spkt.	HP Ratings @ Various RPM, Small Sprocket																			
	25	50	75	100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650	700
6	.30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	.37	.66	.88	1.06	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	.44	.80	1.09	1.34	1.56	1.74	1.89	...	...	...	...	...	...	...	...	...	...	...	...	...
9	.52	.94	1.30	1.62	1.90	2.15	2.36	2.55	2.72	...	...	...	...	...	...	...	...	...	...	...
10	.59	1.08	1.51	1.89	2.23	2.54	2.82	3.07	3.29	3.50	3.68	3.83	...	...	...	...	...	...	...	...
11	.66	1.21	1.71	2.15	2.54	2.92	3.25	3.58	3.84	4.12	4.34	4.56	4.93	...	...	...	...	...	...	...
12	.73	1.34	1.90	2.41	2.85	3.29	3.67	4.06	4.37	4.71	4.97	5.24	5.71	6.06	...	...	...	...	...	...
13	.79	1.47	2.09	2.66	3.15	3.65	4.08	4.52	4.88	5.27	5.59	5.91	6.46	6.92	7.25	...	...	...	...	...
14	.86	1.60	2.27	2.90	3.45	4.00	4.48	4.96	5.37	5.80	6.17	6.54	7.17	7.72	8.10	8.51	...	...	...	...
15	.92	1.72	2.45	3.14	3.74	4.34	4.86	5.39	5.85	6.32	6.73	7.14	7.86	8.48	8.92	9.40	...	...	...	...
16	.99	1.85	2.64	3.37	4.02	4.67	5.24	5.81	6.32	6.82	7.27	7.72	8.52	9.21	9.71	10.25	10.70	...	...	...
17	1.05	1.97	2.82	3.59	4.29	4.99	5.61	6.22	6.78	7.32	7.80	8.29	9.16	9.91	10.47	11.06	11.59	11.99	...	...
18	1.12	2.10	3.00	3.82	4.56	5.31	5.97	6.63	7.23	7.81	8.32	8.84	9.78	10.58	11.21	11.84	12.42	12.88	...	...
19	1.18	2.22	3.17	4.04	4.83	5.62	6.32	7.03	7.67	8.29	8.83	9.38	10.38	11.23	11.93	12.60	13.22	13.73	14.14	...
20	1.25	2.34	3.34	4.25	5.09	5.93	6.67	7.42	8.09	8.74	9.33	9.91	10.95	11.86	12.62	13.34	13.99	14.54	14.99	...
21	1.31	2.46	3.51	4.48	5.36	6.24	7.02	7.80	8.50	9.19	9.81	10.43	11.53	12.47	13.28	14.05	14.73	15.31	15.80	...
22	1.37	2.58	3.67	4.70	5.62	6.54	7.35	8.17	8.90	9.63	10.28	10.93	12.08	13.06	13.92	14.73	15.44	16.05	16.57	...
23	1.44	2.69	3.84	4.91	5.87	6.83	7.68	8.54	9.30	10.06	10.74	11.42	12.62	13.63	14.54	15.39	16.12	16.76	17.30	17.78
24	1.50	2.80	4.00	5.12	6.12	7.12	8.01	8.91	9.69	10.48	11.19	11.90	13.15	14.18	15.15	16.03	16.77	17.44	18.00	18.40
25	1.56	2.92	4.17	5.32	6.36	7.41	8.34	9.27	10.08	10.89	11.62	12.37	13.58	14.72	15.75	16.65	17.40	18.09	18.67	19.09
30	1.86	3.48	4.96	6.32	7.58	8.78	9.86	10.94	11.85	12.76	13.71	14.55	15.98	17.28	18.40	19.40	20.22	20.92	21.32	22.00
	TYPE I						TYPE II								TYPE III					

2080 — HP Ratings for 2080 Double Pitch Drive Chain

No. of Effective Teeth, Small Spkt.	HP Ratings @ Various RPM, Small Sprocket																			
	10	20	30	40	50	60	70	80	90	100	125	150	175	200	225	250	300	350	400	450
6	.32	.55	.76	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	.38	.70	.98	1.22	1.44	1.63	1.80	...	...	...	...	...	...	...	...	...	...	...	...	...
8	.46	.84	1.18	1.50	1.78	2.04	2.28	2.50	2.70	2.88	...	...	...	...	...	...	...	...	...	...
9	.52	.98	1.39	1.76	2.11	2.43	2.74	3.02	3.29	3.53	4.08	4.54	...	...	...	...	...	...	...	...
10	.59	1.11	1.58	2.02	2.43	2.82	3.18	3.53	3.85	4.16	4.85	5.45	5.98	...	...	...	...	...	...	...
11	.66	1.24	1.77	2.27	2.76	3.20	3.60	4.02	4.38	4.77	5.60	6.33	6.98	7.56	8.07	...	...	...	...	...
12	.72	1.37	1.96	2.52	3.08	3.56	4.02	4.50	4.92	5.36	6.33	7.19	7.95	8.66	9.27	9.82	...	...	...	...
13	.79	1.49	2.15	2.77	3.38	3.81	4.44	4.97	5.45	5.93	7.02	8.02	8.89	9.72	10.42	11.08	...	...	...	...
14	.85	1.62	2.33	3.01	3.67	4.26	4.85	5.42	5.96	6.49	7.69	8.82	9.80	10.74	11.53	12.29	13.60	...	...	...
15	.91	1.74	2.52	3.25	3.96	4.60	5.25	5.86	6.45	7.03	8.34	9.60	10.68	11.73	12.60	13.46	14.94	...	...	...
16	.98	1.87	2.70	3.48	4.24	4.94	5.64	6.29	6.93	7.56	8.98	10.36	11.53	12.69	13.63	14.59	16.24	17.65	...	...
17	1.04	1.99	2.88	3.71	4.52	5.28	6.02	6.72	7.40	8.09	9.61	11.10	12.36	13.62	14.63	15.69	17.50	19.04	...	...
18	1.11	2.11	3.05	3.94	4.80	5.61	6.40	7.14	7.87	8.60	10.23	11.82	13.18	14.52	15.60	16.76	18.72	20.38	21.77	...
19	1.17	2.23	3.23	4.17	5.08	5.94	6.77	7.56	8.33	9.10	10.84	12.52	13.98	15.39	16.55	17.80	19.90	21.67	23.18	...
20	1.23	2.35	3.40	4.40	5.35	6.26	7.13	7.98	8.78	9.60	11.44	13.20	14.76	16.24	17.48	18.81	21.04	22.91	24.52	...
21	1.29	2.47	3.57	4.62	5.62	6.58	7.49	8.39	9.23	10.09	12.03	13.87	15.52	17.07	18.39	19.79	22.14	24.11	25.80	...
22	1.36	2.58	3.74	4.84	5.89	6.89	7.84	8.79	9.67	10.57	12.62	14.53	16.27	17.89	19.28	20.74	23.20	25.27	27.03	...
23	1.42	2.70	3.90	5.06	6.16	7.20	8.19	9.18	10.10	11.05	13.20	15.18	17.01	18.70	20.15	21.66	24.23	26.40	28.22	...
24	1.48	2.82	4.05	5.27	6.43	7.51	8.54	9.56	10.53	11.52	13.77	15.82	17.74	19.50	21.01	22.55	25.23	27.50	29.38	30.98
25	1.54	2.93	4.20	5.48	6.70	7.81	8.89	9.94	10.95	11.98	14.33	16.45	18.46	20.29	21.86	23.42	26.20	28.57	30.52	32.16
30	1.84	3.50	5.02	6.54	7.96	9.29	10.59	11.74	12.97	14.23	16.98	19.46	21.79	23.91	25.73	27.52	30.70	33.56	35.52	37.26
	TYPE I										TYPE II							TYPE III		

Explanation of Lubrication:

TYPE I: Steady Drip (4-10 drops/minute) shallow bath or manual w/oil applied by brush or spout can to link plate edges when in lower span of chain.

TYPE II: Rapid Drip (20 drops/minute, min.) or continuous w/ shallow bath, disc or slinger.

TYPE III: Continuous w/disc, slinger or circulating pump.

Additional Information–ANSI Roller Chain Standard B29.3, Section A1.3.

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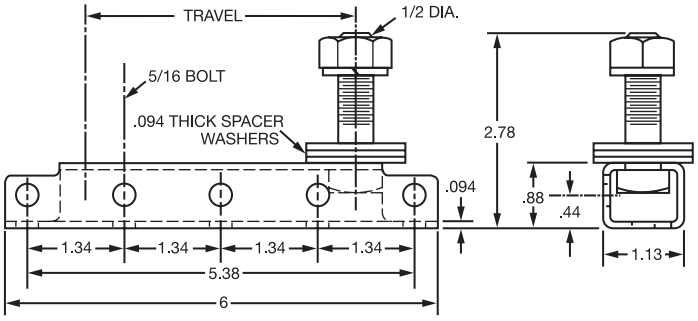
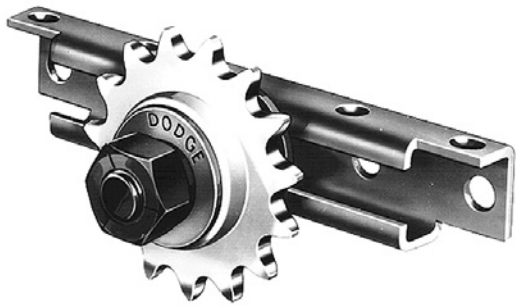
RELATED PRODUCTS

Tensioner Frame, Idler Sprockets

Proper chain tension is necessary for normal life expectancy. It's also a prime consideration for the efficient, quiet operation of the drive.
The tensioner frame shown below provides an economical means of locating an idler sprocket on a 1/2, diameter machine bolt or a 5/8, diameter spacer. Frame can be mounted in several positions on surfaces either parallel or perpendicular to the chain, suitable for either conventional or cantilever mounting.





Chain Tensioner Frame, P/N 102050

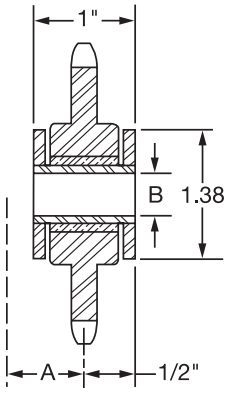
This formed steel frame has mounting holes in the bottom and one side so it can be mounted in several positions on surfaces parallel or perpendicular to the chain. Included is a 5/8" O.D. sleeve and a 1/2" diameter machine bolt to use with 1/2" and 5/8" bore idler sprockets.

Spacer washers may be used to obtain the chain clearance required. Idler sprocket table below shows minimum space required for chain clearance.

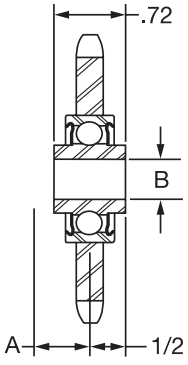
Part Number **102050**
Weight .73 lbs

Idler Sprockets

Although these idler sprockets are designed to be used with the frames shown above, they can be mounted on standard machine bolts as shown in table below.
Idler sprockets will operate at the same speeds permitted for driver sprockets of the same number of teeth. They are machined all over with teeth hardened to assure smooth-running drives. They are available with either bronze sleeve or ball bearings in the sprocket bore. The sleeve bearing runs on a hardened and ground steel journal. The ball bearings are double-sealed and prelubricated.



SLEEVE BEARING TYPE



BALL BEARING TYPE

For Chain: No.	For Chain: Pitch	Description +	Part No.	No. of Spkt. Teeth	Spkt. O.D.	Brg. Type	Wt.	A *	B †	Ref. Old No.
35	3/8"	31E20	**102052**	20	2.593	Brz.	53	.59	1/2	CT320
		35BB20H	**102060**			Ball	.30	.44	5/8	320H
41-40	1/2"	41E15	**102053**	15	2.652	Brz.	.58	.59	1/2	CT415
40		40BB17H	**102061**	17	2.974	Ball	.50	.44	5/8	417H
		40BB18H	**102070**	18	3.14	Ball	.53	.44	5/8	. . .
50	5/8"	51E15	**102054**	15	3.315	Brz	.83	.72	1/2	CT515
		50BB15H	**102062**			Ball	.60	.56	5/8	515H
		50BB17H	**102073**	17	.372	Ball	.78	.56	5/8	. . .
60, 60H	3/4"	61E14	**102055**	14	3.736	Brz.	1.09	.81	1/2	CT614
		60BB13H	**102063**	13	3.493	Ball	.90	.66	5/8	613H
		60BB15H	**Δ**	15	3.98	Ball	1.06	.66	5/8	. . .
80,80H	1"	80BB12H	**102064**	12	4.332	Ball	1.5	.69	5/8	812H

* Minimum space required for chain clearance.
† Size of standard machine bolt on which sprocket can be mounted.
Δ Non-Stock. Allow 2-4 weeks delivery.
+ "H" suffix indicates hardened teeth

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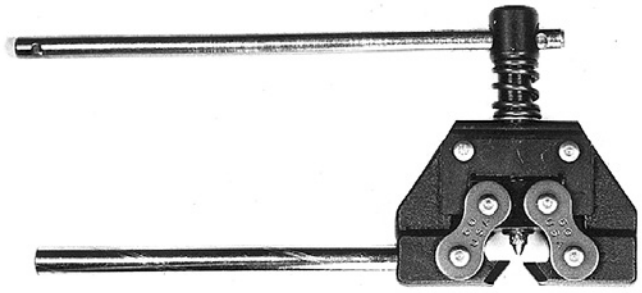
Chain Tools

Chain Assembly Tools

This unique tool was designed to make sizes 35 thru 240 chain installation easy. By hooking the two jaws into each end of the chain and turning the screw (handle) until the two ends almost meet, the connecting link can be inserted and fastened in place. The photo shows the Model 35 tool. The Model 80 uses a T-handle instead of a knob.

For Chain Nos.	Jaw Spread of Tool	Part No.	Wt, (Lbs,)
35 thru 60	2”	**098190**	.4
80 thru 240	5”	**098191**	2.2



Chain Pin Extractors (Chain Breaker)

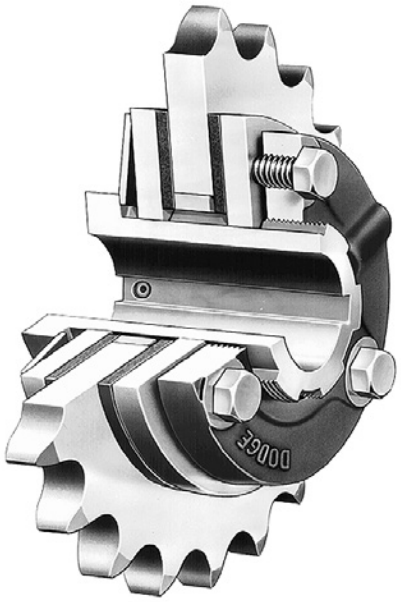
This fast working tool is practical for removing chain pins when roller chain needs to be disconnected or when various lengths of chain need to be made up.

Three sizes of pin extractors are available to use on riveted and cottered chain, sizes 25 thru 160. This tool, if properly used, will not damage chain, and pins can be reused.

For Chain Nos.	Part No.	Ref. Model No.	Wt. (Lbs.)	Replacement Parts	
				Screw & Tip	Tip Only
25 thru 50	**098175**	101-1	1.0	**391301***	**098180**
60 thru 80	**098176**	101-2	1.9	**391304**	**098181**
100 thru 160	**098177**	101-3	8.5	**391308**	**098182**

* Includes handle

TORQUE-TAMER torque overload clutch offers thrifty overload protection that’s a cinch to adjust.

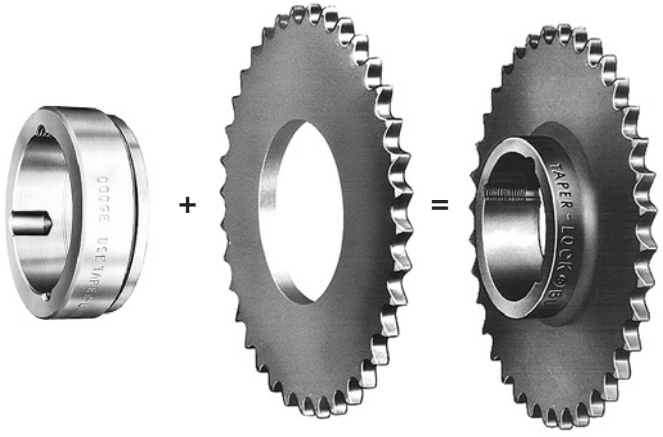


See TORQUE TAMER Section for complete specifications and ordering information.

FEATURES/BENEFITS PAGE PT14-2	SPECIFICATIONS PAGE PT14-3	SELECTION PAGE PT14-16	ENGINEERING/TECHNICAL PAGE PT14-30

Custom TAPER-LOCK Sprockets

Non-stock or special TAPER-LOCK sprockets may be fabricated from stock TAPER-LOCK hubs and A-Plate sprockets rebored to fit the hubs. This provides the capability for fabricating sprockets with larger bore capacity, or number of teeth that are stocked as A-Plate but not TAPER-LOCK. This operation can be done on location, or supplied by DODGE, price on application. DODGE TAPER-LOCK hubs are available in three types: S, K and W/WA. All are of quality steel bar stock or forgings, easily welded, and ready to accept TAPER-LOCK Bushings. For more detailed information and dimensions, refer to Bushings/Hubs section of this catalog.



Chain Pitch	No. Teeth	TAPER-LOCK Hub	A-Plate Sprocket	Fabricated Sprocket
50	50	S30-6	50A50	50BTL50
60	34	S20-6	60A34	60BTL34
60	96	S35	60A96	60BTL96
100	42	835	100A42	100BTL42
140	80	WA60	140A80	140CTL80
240	54	WA70	240A54	240CTL54

DODGE TAPER-LOCK WELD-ON HUB + A-PLATE SPROCKET REBORE TO "G" DIMENSION, WELD = TAPER-LOCK SPROCKET

Hub No. ◊	Part No.	For Use With Bush. +	Bushing Bore Range	A-Plate Rebore Dia.	Minimum Number Teeth for Chain Pitch No.											
					35	40/41	50	60	80	100	120	140	160	180	200	240
S16-4	**097023**	1610	1/2 - 11/16	2.875Δ	31	24	–	–	–	–	–	–	–	–	–	–
S16-6	**097024**	1610	1/2 - 11/16	2.875Δ	–	–	21	19	–	–	–	–	–	–	–	–
S20-6	**097025**	2012	1/2 - 2-1/8	3.4375Δ	36	28	24	21	–	–	–	–	–	–	–	–
S20-8	**097015**	2012	1/2 - 2-1/8	3.4375Δ	–	–	–	–	17	–	–	–	–	–	–	–
S25-6	**097016**	2517	1/2 - 2-11/16	4.125Δ	42	33	27	24	–	–	–	–	–	–	–	–
S25-8	**097017**	2517	1/2 - 2-11/16	4.125Δ	–	–	–	–	19	–	–	–	–	–	–	–
S25-10	**097018**	2517	1/2 - 2-11/16	4.125Δ	–	–	–	–	–	16	–	–	–	–	–	–
S25-16	**097019**	2517	1/2 - 2-11/16	4.125Δ	–	–	–	–	–	–	15	13	12	–	–	–
S30-10	**097020**	3020	7/8 - 3-1/4	5.125Δ	49	39	32	28	22	19	–	–	–	–	–	–
S30-16	**097021**	3020	7/8 - 3-1/4	5.125Δ	–	–	–	–	–	–	–	17	15	14	–	–
S35	**097022**	3535	1-3/16 - 3-15/16	6.375Δ	–	44	38	33	26	22	20	17	16	–	–	–
WA40	**228089**	4040	1-7/16 - 4-7/16	7.250Δ	–	–	45	38	30	25	22	20	18	17	15	–
WA45	**228090**	4545	1-15/16 - 4-15/16	8.000+	–	–	50	43	33	28	24	21	20	18	17	15
WA50	**228091**	5050	2-7/16 - 5	8.750+	–	–	52	46	35	29	26	23	21	19	18	15
WA60	**228092**	6050	3-7/16 - 6	12.250+	–	–	–	–	47	39	34	29	26	24	22	19
WA70	**228093**	7060	3-15/16 - 7	13.500+	–	–	–	–	51	42	36	32	28	26	24	21
WA80	**228094**	8065	4-7/16 - 8	14.250+	–	–	–	–	–	44	38	33	30	27	25	21
WA100	**228095**	10085	7 - 10	18.750+	–	–	–	–	–	–	47	41	36	33	30	26

◊ Refer to D1-12 & 13 for hub dimensions

REBORE TOLERANCES
Δ +.004 + .001
+ +.010 + .004

DODGE

Sprocket Pitch Diameters

No. Teeth	Chain Number													
	25	35	41	40	50	60	80	100	120	140	160	180	200	240
9	.731	1.097	1.462	1.462	1.828	2.193	2.924	3.655	4.356	5.117	5.848	6.579	7.310	8.771
10	.809	1.214	1.618	1.618	2.023	2.427	3.236	4.045	4.854	5.663	6.472	7.281	8.090	9.708
11	.887	1.331	1.775	1.775	2.219	2.663	3.550	4.438	5.325	6.213	7.100	7.986	8.875	10.649
12	.996	1.449	1.932	1.932	2.415	2.898	3.864	4.830	5.796	6.762	7.728	8.693	9.660	11.591
13	1.045	1.567	2.089	2.089	2.612	3.134	4.179	5.224	6.269	7.313	8.358	9.402	10.447	12.536
14	1.124	1.685	2.247	2.247	2.809	3.371	4.494	5.618	6.741	7.865	8.988	10.112	11.235	13.482
15	1.203	1.804	2.405	2.405	3.006	3.608	4.810	6.013	7.215	8.418	9.620	10.822	12.025	14.429
16	1.282	1.922	2.563	2.563	3.204	3.845	5.126	6.408	7.698	8.971	10.252	11.533	12.815	15.377
17	1.361	2.041	2.721	2.721	3.401	4.082	5.442	6.803	8.163	9.524	10.844	12.245	13.605	16.327
18	1.440	2.160	2.879	2.879	3.599	4.319	5.759	7.199	8.639	10.078	11.518	12.957	14.397	17.276
19	1.519	2.279	3.038	3.038	3.798	4.557	6.076	7.595	9.114	10.633	12.152	13.670	15.190	18.227
20	1.598	2.397	3.196	3.196	3.995	4.794	6.392	7.990	9.588	11.186	12.784	14.383	15.980	19.177
21	1.678	2.516	3.355	3.355	4.194	5.033	6.710	8.388	10.065	11.743	13.420	15.096	16.775	20.129
22	1.757	2.635	3.513	3.513	4.392	5.270	7.027	8.784	10.541	12.297	14.054	15.810	17.567	21.080
23	1.836	2.754	3.673	3.672	4.590	5.508	7.344	9.180	11.016	12.852	14.688	16.524	18.360	22.032
24	1.915	2.873	3.831	3.831	4.788	5.746	7.661	9.576	11.492	13.407	15.322	17.238	19.153	22.984
25	1.995	2.992	3.989	3.959	4.987	5.984	7.979	9.974	11.969	13.963	15.958	17.952	19.947	23.936
26	2.074	3.111	4.148	4.148	5.185	6.222	8.296	10.370	12.444	14.518	16.592	18.666	20.740	24.889
27	....	3.230	4.307	4.307	5.384	6.461	8.614	10.768	12.921	15.075	17.228	19.381	21.535	25.841
28	2.233	3.349	4.465	4.465	5.582	6.698	8.931	11.164	13.397	15.629	17.862	20.096	22.327	26.794
29	....	3.468	4.625	4.625	5.781	6.937	9.249	11.561	13.874	16.186	18.498	20.810	23.123	27.747
30	2.392	3.588	4.783	4.783	5.979	7.175	9.567	11.959	14.351	16.742	19.134	21.525	23.917	28.700
31	....	3.707	4.942	4.942	6.178	7.413	9.884	12.355	14.826	17.297	19.768	22.240	24.710	29.654
32	2.551	3.826	5.101	5.101	6.376	7.652	10.202	12.753	15.303	17.854	20.404	22.955	25.505	30.607
33	....	3.945	5.260	5.260	6.575	7.890	10.520	13.150	15.780	18.410	21.040	23.670	26.300	31.560
34	....	4.064	5.419	5.419	6.774	8.129	10.838	13.548	16.257	18.967	21.676	24.385	27.095	32.514
35	....	4.184	5.578	5.578	6.973	8.367	11.156	13.945	16.734	19.523	22.312	25.101	27.890	33.467
36	2.869	4.303	5.737	5.737	7.171	8.606	11.474	14.343	17.211	20.080	22.948	25.815	28.685	34.421
37	....	4.422	5.896	5.896	7.370	8.841	11.792	14.740	17.688	20.636	23.584	26.531	29.480	35.375
38	....	4.541	6.055	6.055	7.569	9.083	12.110	15.138	18.165	21.193	24.220	27.246	30.275	36.329
39	...	4.661	6.214	6.214	8.768	9.321	12.428	15.535	18.642	21.749	24.856	27.962	31.070	37.283
40	3.187	4.780	6.373	6.373	7.966	9.560	12.745	15.933	19.119	22.306	25.492	28.677	31.865	38.237
41	....	4.599	6.532	6.532	8.165	9.798	13.064	16.330	19.596	22.862	26.128	29.393	32.660	39.191
42	....	5.018	6.691	6.691	8.364	10.037	13.382	16.728	20.073	23.419	26.764	30.108	33.455	40.145
43	....	5.138	6.850	6.850	8.563	10.275	13.700	17.125	20.550	23.975	27.400	30.824	34.250	41.099
44	....	5.257	7.009	7.009	8.761	10.514	14.018	17.523	21.027	24.532	28.036	31.539	35.045	42.053
45	3.584	5.376	7.168	7.168	8.960	10.752	14.336	17.920	21.504	25.088	28.672	32.255	35.840	43.007
46	....	5.495	7.327	7.327	9.159	10.991	14.654	18.318	21.981	25.645	29.308	32.971	36.635	43.961
47	....	5.615	7.486	7.486	9.358	11.229	14.972	18.715	22.458	26.201	29.944	33.686	37.430	44.915
48	3.823	5.734	7.645	7.645	9.556	11.468	15.290	19.113	22.935	26.758	30.580	34.402	38.225	45.869
49	....	5.853	7.804	7.804	9.755	11.706	15.608	19.510	23.412	27.314	31.216	35.118	39.020	46.824
50	....	5.972	7.963	7.963	9.954	11.945	15.926	19.908	23.889	27.871	31.852	35.834	39.815	47.778
51	....	6.092	8.122	8.122	10.153	12.183	16.244	20.305	24.366	28.427	32.488	36.549	40.610	45.732
52	....	6.211	8.281	8.281	10.351	12.422	16.562	20.703	24.843	28.984	33.124	37.265	41.405	49.687
53	....	6.330	8.440	8.440	10.550	12.660	16.850	21.100	25.320	29.540	33.760	37.981	42.200	50.641
54	4.300	6.449	8.599	8.599	10.749	12.599	17.198	21.498	25.797	30.097	34.396	38.696	42.995	51.595
55	....	6.569	8.758	8.758	10.948	13.137	17.516	21.895	26.274	30.653	35.032	39.412	43.790	52.550
56	....	6.688	8.917	5.917	11.147	13.376	17.835	22.294	26.753	31.211	35.670	40.128	44.587	53.504
57	....	6.807	9.077	9.077	11.346	13.615	18.153	22.691	27.230	31.765	36.306	40.844	45.383	54.458
55	....	6.927	9.235	9.235	11.544	13.853	18.789	23.089	27.707	32.324	36.942	41.560	46.177	55.413
59	....	7.046	9.395	9.395	11.743	14.092	18.789	23.486	28.184	32.881	37.578	42.276	46.973	56.368
60	4.777	7.165	9.554	9.554	11.942	14.330	19.107	23.584	28.661	33.437	38.214	42.991	47.768	57.322
68	....	8.120	10.826	10.826	13.533	16.240	21.653	27.066	32.480	37.893	43.306	48.719	54.132	64.958
72	5.732	5.597	11.463	11.463	14.329	17.195	22.926	28.658	34.359	40.121	45.852	51.583	57.315	68.777
76	....	9.074	12.099	12.099	15.124	18.149	24.198	30.248	36.297	42.347	48.396	54.446	60.495	72.595
80	....	9.552	12.736	12.736	15.919	19.103	25.471	31.839	38.207	44.574	50.942	57.310	63.678	76.414
84	....	10.029	13.372	13.372	16.715	20.058	26.744	33.430	40.116	46.802	53.488	60.175	66.860	80.233
95	....	11.342	15.122	15.122	18.903	22.684	30.245	37.806	45.368	52.929	60.490	68.051	75.612	90.735
96	....	11.461	15.282	15.252	19.102	22.922	30.563	38.204	45.845	53.485	61.126	68.767	76.408	91.690
102	....	12.177	16.236	16.236	20.296	24.355	32.473	40.591	48.710	56.828	64.946	73.064	81.182	97.418
112	....	13.371	17.827	17.527	22.284	26.741	35.655	44.569	53.483	62.396	71.310	80.225	59.137	106.966

FEATURES/BENEFITS PAGE PT14-2	SPECIFICATIONS PAGE PT14-3	SELECTION PAGE PT14-16	RELATED PRODUCTS PAGE PT14-28

ENGINEERING/TECHNICAL

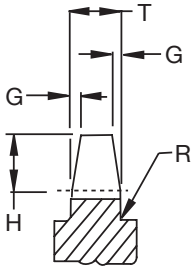
Sprocket Dimensions, Chain Data

Ref. For Single & Multiple Chain				G	H	K	M^2	M^3	R Max.	Nominal Tooth Thickness (T)		Tolerance on "T"		
Chain No.	Pitch	Roller Dia.	Roller Width							Using Single Strand Chain	Using 2 and 3 Strand Chain	For Machined Sprocket *	For Sprocket Which Is Not Machined †	W Side Clearance
35	3/8	.200	3/16	3/64	3/16	.399	.561	.960	.015	.168	.162	+.000–.008	+.000–.027	3/16
41	1/2	.306	1/4	1/16	1/4	....	....	....	.020	.227	....	+.000–.009	+.000–.032	7/32
40	1/2	.312	5/16	1/16	1/4	.566	.841	1.407	.020	.284	.275	+.000–.009	+.000–.035	1/4
50	5/8	.400	3/8	5/64	5/16	.713	1.045	1.758	.025	.343	.332	+.000–.010	+.000–.036	9/32
60	3/4	.469	1/2	3/32	3/8	.897	1.341	2.238	.030	.459	.444	+.000–.011	+.000–.036	11/32
80	1	.625	5/8	1/8	1/2	1.153	1.710	2.863	.040	.575	.557	+.000–.012	+.000–.040	7/16
100	1-1/4	.750	3/4	5/32	5/8	1.408	2.077	3.485	.050	.692	.669	+.000–.014	+.000–.046	17/32
120	1-1/2	.875	1	3/16	3/4	1.789	2.683	4.472	.060	.924	.894	+.000–.016	+.000–.057	21/32
140	1-3/4	1.000	1	7/32	7/8	1.924	2.818	4.742	.070	.924	.894	+.000–.016	+.000–.057	3/4
160	2	1.125	1-1/4	1/4	1	2.305	3.424	5.729	.080	1.156	1.119	+.000–.019	+.000–.062	7/8

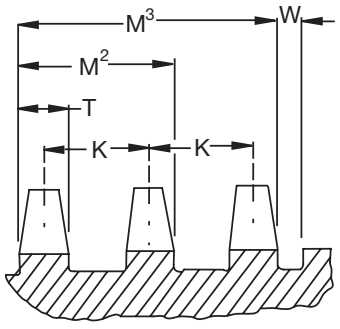
* Represents Type B or C hub type sprocket.

† Represents an "A" plate sprocket or a welded sprocket using an "A" plate.

Sprockets

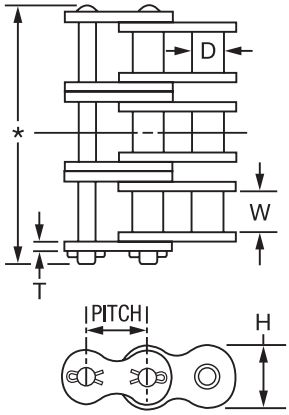


Single Stand

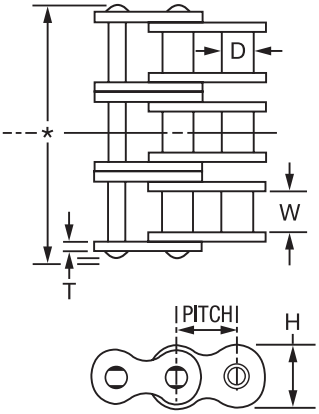


2 and 3 Strand

Roller Chain



COTTERED TYPE



RIVETED TYPE

ANSI Standard Roller Chain Dimensions

ANSI No.	Roller W	Roller D	Inside Link Plate Height	Cottered Chain Width*	Riveted Chain Width*	Average Tensile Strength
25-2	1/8	.130	.237	.37	.34	875
25-2	1/8	.130	.237	.63	.59	1750
25-3	1/8	.130	.237	.88	.84	2626
35	3/16	.200	.356	.56	.50	2100
35-2	3/16	.200	.356	.96	.90	4200
35-3	3/16	.200	.356	1.36	1.31	6300
41	1/4	.306	.383	.65	.57	2000
40	5/16	.312	.475	.72	.67	3700
40-2	5/16	.312	.475	1.29	1.24	7400
40-3	5/16	.312	.475	1.85	1.80	11100
50	3/8	.400	.594	.89	.83	6600
50-2	3/8	.400	.594	1.60	1.55	13200
50-3	3/8	.400	.594	2.31	2.26	19800
60	1/2	.469	.712	1.11	1.04	8500
60-2	1/2	.469	.712	2.01	1.94	17000
60-3	1/2	.469	.712	2.91	2.84	25500
80	5/8	.625	.950	1.44	1.32	14500
80-2	5/8	.625	.950	2.59	2.47	29000
80-3	5/8	.625	.950	3.74	3.62	43500

* Dimensions are across pins.

ANSI No.	Roller W	Roller D	Inside Link Plate Height	Cottered Chain Width*	Riveted Chain Width*	Average Tensile Strength
100	3/4	.750	1.187	1.73	1.61	24000
100-2	3/4	.750	1.187	3.14	3.02	48000
100-3	3/4	.750	1.187	4.56	4.43	72000
120	1	.875	1.425	2.14	2.00	34000
120-2	1	.875	1.425	3.93	3.79	68000
120-3	1	.875	1.425	5.72	5.58	102000
140	1	1.000	1.662	2.31	2.14	46000
140-2	1	1.000	1.662	4.24	4.07	92000
140-3	1	1.000	1.662	6.16	6.00	138000
160	1-1/4	1.125	1.900	2.73	2.54	58000
160-2	1-1/4	1.125	1.900	5.04	4.85	116000
160-3	1-1/4	1.125	1.900	7.35	7.16	174000
180	1-13/32	1.406	2.137	3.15	2.88	76000
180-2	1-13/32	1.406	2.137	5.75	5.48	152000
180-3	1-13/32	1.406	2.137	8.34	8.07	228000
200	1-1/2	1.562	2.375	3.44	3.12	95000
200-2	1-1/2	1.562	2.375	6.26	5.94	190000
200-3	1-1/2	1.562	2.375	9.08	8.76	285000
240	1-7/8	1.875	2.812	4.06	3.72	130000
240-2	1-7/8	1.875	2.812	7.52	7.18	260000

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Installation, Maintenance

Installation of Roller Chain Drives

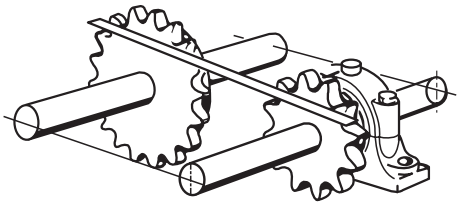
Shaft Alignment – Shafts must be parallel. The use of a spirit level is recommended to make sure shafts are horizontal; then, if the distance between the shafts are equal on both sides of the drive, the shafts are parallel. Shafts, bearings and supporting structure should be suitable to maintain this alignment.

Sprocket Location – Locate each sprocket as close as possible to a bearing.

Sprocket Alignment – Sprockets must be aligned accurately. This can best be accomplished by checking with a straight edge along the finished sides of the sprockets as shown in the drawing.

Chain Tension – Chains should be installed fairly tight with only a small amount of slack. In the case of vertical drives the chain should be kept snug. New chains will loosen up slightly as the joints seat themselves, causing initial elongation which is many times greater than the elongation during the balance of the chain life. After the first several weeks of operation it is advisable to adjust the centers, particularly on long center drives. After this initial elongation, with proper care and lubrication, roller chains will give long service without undue elongation or wear.

Center Distance – It is desirable to provide some means of adjusting the center distance between sprockets.



This is particularly true with drives of long center distance. When the centers are fixed it is advisable to use an idler sprocket to provide the proper chain tension originally, and also to compensate for natural chain wear.

Hardened Teeth – The advantages gained by hardening the teeth of the small sprocket easily offset the hardening cost. Longer life, increased strength, equalized wear between small and large sprockets–all result in lower overall cost to the chain drive user. Hardened steel sprockets are recommended for use under the following conditions: 1. Slow speed, heavily loaded drives where chains and sprockets are selected on the basis of chain tensile strengths; 2. Moderate speed drives where sprockets have 17 teeth or less; 3. High speed drives where sprockets have 25 teeth or less; 4. When speed ratios exceed 4 to 1; 5. When drives are operating exposed to dirty or dusty surroundings.

Lubrication of Roller Chain Drives

Lubrication of roller chains is essential for effectively minimizing metal-to-metal bearing contact of pin-bushing joints of the chain. Oil should be applied to outside plate and inside plate edges, since access to pin-bushing areas is possible only through clearances between the outside plates and the inside plates. Oil applied on the center line of rollers cannot reach pin-bushing joints.

Chain drives should be protected against dirt and moisture and the oil supply kept free of contamination. Periodic oil change is desirable. A good grade of non-detergent petroleum base oil is recommended. Heavy oils and greases are generally too stiff to enter and fill the chain joints. The following table indicates the proper lubricant viscosity for various surrounding temperatures. For higher temperatures– consult factory.

Temperature Degrees F.	Recommended Lubricant
20 to 40	SAE 20
40 to 100	SAE 30
100 to 120	SAE 40
120 to 140	SAE 50

The method of lubrication, which is governed by the speed of the chain and the amount of power transmitted, is indicated in the HP Rating Tables. Note that these are minimum lubrication requirements and the use of a better type (for example, Type 4 instead of Type 3) is acceptable and may be beneficial. The four basic types of lubrication indicated are described below.

Type A–Manual Lubrication – Oil is applied periodically with a brush or spout can, preferably once every 8 hours of operation. Volume and frequency should be sufficient to prevent discoloration of lubricant in the chain joints.

Type A – Drip Lubrication – Oil drops are directed be tween the link plate edges from a drip lubricator, Volume and frequency should be sufficient to prevent discoloration of lubricant in the chain joints. Precaution must be taken against misdirection of the drops by windage,

Type B – Bath or Disc Lubrication – With bath lubrication the lower strand of chain runs through a sump of oil in the drive housing. The oil level should reach the pitch line of the chain at its lowest point while operating. With disc lubrication, the chain operates above the oil level. The disc picks up oil from the sump and deposits it onto the chain, usually by means of a trough. The diameter of the disc should be such as to produce rim speeds between 600 fpm minimum and 8000 fpm maximum.

Type C – Oil Stream Lubrication – The lubricant is usually supplied by a circulating pump capable of supplying each chain drive with a continuous stream of oil. The oil should be applied inside the chain loop evenly across the chain width, and directed at the lower strand.

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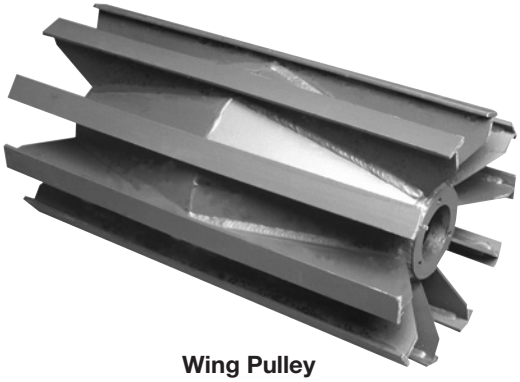
FEATURES/BENEFITS

Today, the industrial marketplace demands quality products and services. Dodge has the experience and expertise to meet those demands from engineering support to on-time delivery. Dodge offers the broadest range of conveyor pulleys with a combination of the best resources for pulley manufacturing. The Dodge Conveyor Components Team is ready to provide you the best customer service in the industry.

T-Section Pulley

Lagged Drum Pulley



Wing Pulley

Mine Duty Extra Drum Pulley

Conveyor Pulley Locking Devices

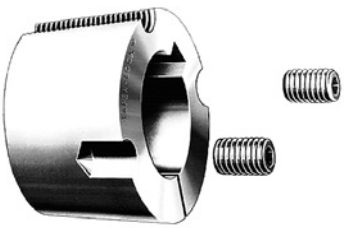
HE Bushing/Hub

- Most dependable mounting system for conveyor pulleys
- Specifically designed for drum and wing pulleys
- Flange mount design
- Easy installation/removal
- Shaft diameters up to 12”
- Taper angle of 14° reduces axial movement along the shaft to tighten the bushing
- Disc deflection and pre-stressing are greatly reduced
- Full length hub engagement

Keyless Locking Devices

- High torque capability
- No axial movement during assembly
- Shrink fit design assures a tight mechanical fit
- Easy installation/removal
- No keyway stress - no keys required
- Recommended for shafts over 12” and up to 30” in diameter

Taper-Lock Bushings



- Industry standard for over 40 years
- Easy-on, Easy-off
- 8º taper grips tight, holds tight, runs true, no wobble
- World-wide acceptance and availability
- Flush mounting - no protruding parts

QD Bushings

- Flanged design
- 4º taper
- Easy-on, Easy-off
- Manufactured precisely to industry standards
- Reverse mounting

XT Bushings/Hub

- Designed for conveyor pulley applications
- 9-1/2° taper
- 2” per foot taper for easy on, easy off
- Full length hub engagement

SPECIFICATIONS

Belt Conveyor Pulleys

Dodge offers two standard designs that are stocked for quick delivery, CEMA duty (Conveyor Equipment Manufacturers Association), HE (High Endurance) welded hub and Mine Duty Extra HE integral hub construction. These are available with a plain surface and rubber lagged. HE bushings with 14 degree taper and 3/8 inch 60 Durometer SBR rubber, with herringbone groove lagging, are standard, stocked features.

Dodge recommends pulley designs within the four classes of service detailed below. All of our designs strive for balance between cost and reliability. When possible, welds are avoided or eliminated to maintain the full strength of the base metal. Our welded designs rely upon the chemistry of the base metal, the type of weld and the geometry of the structure to achieve optimum post-weld performance as explained below.

WARRANTY

- Class IV and III pulleys are conditionally warranted against defects in material and workmanship for one year of operation. A two-year warranty is available when loading information is provided.

  Note: Special Construction features listed at the bottom of page PT14-6 can be added to both Class IV and III pulleys to extend service life. Because these pulleys are made-to-order, they will require longer leadtime for shipment. The Special Construction modifications must be quoted at the time of inquiry and before order entry.

- Class II and I pulleys are conditionally warranted against defects in material and workmanship for two years of operation, because loading information must be provided.

CLASS IV

Dodge Heavy Duty CEMA Standard drum pulleys use 14 degree taper welded hubs and bushings with special consideration for post weld strength with submerged arc welds. These pulleys meet or exceed all requirements for steel drum pulleys established by CEMA, and as detailed in ANSI standard number B105.1. The standard establishes load ratings and dimensions for use with fabric belts rated to 800 PIW (Pounds per Inch of belt Width).

CLASS III

Dodge Mine Duty Extra pulleys use a proprietary 14 degree (taper) one piece integral hub to accept HE bushings. This eliminates the two welds of the hub into the end disc and delivers 100% of the capacity of the end disc steel. There is not a universal standard published for this class of service. The Dodge MDX design gives much higher safety factors than pulleys designed to meet the CEMA load ratings, while fitting into the CEMA dimensions.

CLASS II

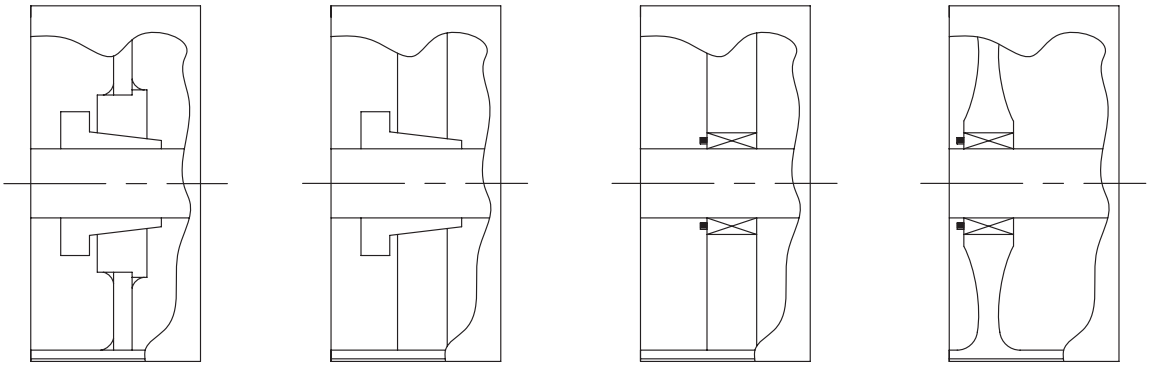
Dodge Engineered pulleys utilize one-piece integral hub-and-end-discs and either HE 14 degree taper compression bushings or keyless locking devices. They are designed specifically to meet customer supplied load and tension ratings. This class is for fabric or steel cable conveyor belts rated to 2,499 PIW. These pulleys incorporate machined rims and lagging, static balance, stress relieving, magnetic particle and/or ultrasonic weld testing.

CLASS I

Dodge Engineered pulleys with one piece “T” section machined end discs are continuously butt welded to the pulley rim for fabric or steel cable belts rated over 2,500 PIW up to the maximum available from belt manufacturers, currently in excess of 10,000 PIW. These pulleys use keyless locking devices for shafts up to 30” in diameter. These pulleys incorporate machined rims and lagging, static balance, stress relieving, magnetic particle and/or ultrasonic weld testing. All Class I pulleys are manufactured within a 60 step documented Quality Assurance Process.

Important Note: To Ensure You Get The Right Class Of Pulley For Your Application, Please Fill Out And Send the Engineered Pulley Data Sheet, Shown On Page PT14-9.

Bushing and End Disc Constructions



CLASS IV CLASS III CLASS II CLASS I

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Belt Conveyor Design Program - Available on www.ptwizard.com

The Dodge Computerized Conveyor Design Program selects Dodge drive products for simple horizontal or uphill conveyors up to 3500 feet long, 800 feet lift, and 3500 tons per hour. The program operates with a minimum of input information and provides detailed design and product information as output. Input variables and output data are:

INPUT

- Conveyor Capacity (tons per hour)
- Length of Conveyor
- Lift of Conveyor
- Basic Conveyor Profile (7 profiles)
- Material to be Moved
- Belt Speed (not required, can be selected by program)
- Belt Width (not required, can be selected by program)
- Idler Angle (not required, can be selected by program)

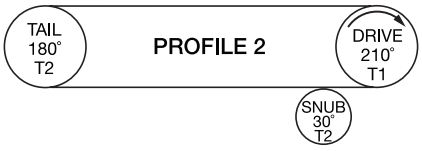
OUTPUT

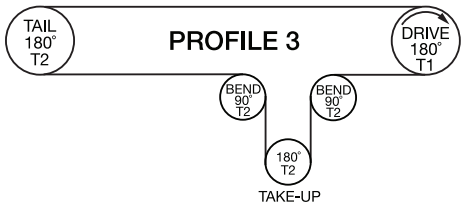
- Motor Horsepower
- Belt Width (if not input)
- Idler Angle (if not input)
- Belt Speed (if not input)
- Drive Pulley RPM
- Belt Tensions (& take-up weight)
- Pulley Diameters, Face Width & Shaft Diameter
- Bearing Centers
- Lagging
- Shaft Lengths
- Bearing Diameter with L10 Life
- Maximum Running Belt Tension (PIW)
- Backstop Requirement
- Dodge Torque-Arm Reducers Selected

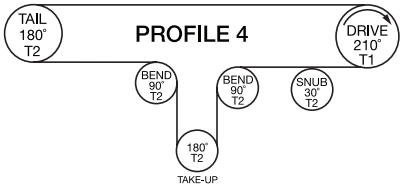
Dodge has a conveyor design program, available at www.ptwizard.com, for selecting CEMA drum pulleys for conveyor profiles shown. For other types of pulleys, please contact Baldor/Dodge Conveyors. For more information call 864-297-4800.

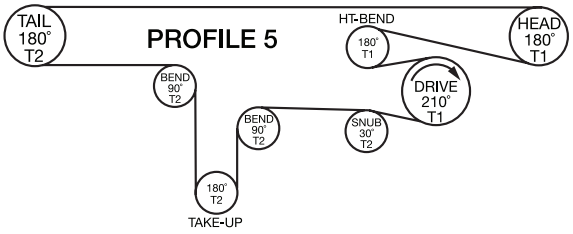
Conveyor Profiles

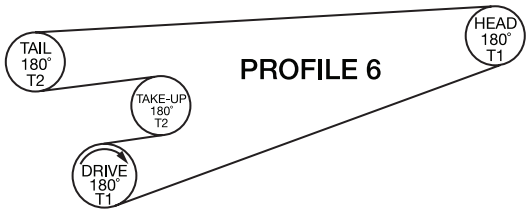
Only the seven types of profiles shown are available for design program analysis.











HORIZONTAL ONLY

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HOW TO ORDER

Standard, Stocked CEMA and Mine Duty Extra Pulleys

Dodge Conveyor Drum and Wing Pulleys are available from stock in either CEMA, Mine Duty Extra Drum or Mine Duty Extra Wing pulley designs. Many part numbers are already available for various sizes of drum and wing pulleys in either crown or straight face. We can provide pulleys bare faced, or with a number of different lagging patterns and thicknesses. You can use the Nomenclature page to help provide a complete pulley description, for which you can find part numbers in the catalog that have already been assigned, or that our Conveyor Team can quote for you.

If you know the belt width you are using, you can use the CEMA standards to get the face width needed for the pulley. CEMA standards for pulley face width are belt width + 2 inches for belt widths up to 42 inches and belt width + 3 inches for belt widths for 48 inches to 60 inches. Drum and wing pulley diameters are dependent upon belting and the shaft diameter required for the application.

The selection process recommended by Dodge for Dodge conveyor pulleys is covered beginning on page PT14-10.

PULLEY ASSEMBLIES

One of the most popular services we offer is to package and assemble pulleys, shaft, bearings and coupling halves for shipment, ready to install on the customer's conveyor truss. However, to do this we must have accurate shaft dimensions and tolerances at the time of order entry. These determine the hub size of the pulley and the bearing size. Bearings are shipped to Clio from another Dodge plant. The pulley assembly process can be shortened by providing the shaft details outlined on page PT14-8. Please note – all pulley assemblies are considered non-standard because of the variability of size and weight.

Special Construction Pulleys

There are Special Construction specifications that can be stipulated by the customer to extend the service life of CEMA and Mine Duty Extra pulleys, for demanding applications, or to meet special job requirements. If these modifications are required, the products will become made-to-order and identified by product description. These nonstandard modifications must be documented and quoted at the time of inquiry and before order entry.

These features include but are not limited to:

1. Rim and rubber lagging thickness
2. Rubber lagging material and durometer
3. Machining of rims and/or rubber lagging to a specified total indicated run-out (TIR)
4. End disc steel thickness
5. Shaft material surface finish (RMS) and turndown radii
6. Keyless locking devices with dust covers vs standard HE 14-degree compression bushings
7. Post weld thermal stress relieving before machining
8. Magnetic particle and/or ultra-sonic weld inspections
9. Static or dynamic balancing
10. Identification tags
11. Export or other special packaging

ENGINEERED, MADE-TO-ORDER PULLEYS

All Dodge heavy duty CEMA or Mine Duty Extra pulleys are designed to meet or exceed the CEMA steel pulley ANSI standard B105.1. However, for pulleys engineered to the customer's application loads and tensions, we require completion of the Engineered Pulley Data Sheet, on page PT14-9.

Installation and Maintenance instructions for Dodge products are available at www.dodge-pt.com

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NOMENCLATURE

Pulleys

(QTY) Diameter X Face Width • Face Type • Pulley Type • Hub Type & Size • Class
(QTY) Lagging Thickness and Material • Pattern
(QTY) Bushing Size & Bore

Diameter:	6”-60” (Other diameters available upon request)
Face Width:	8”-100” (Other face widths available upon request)
Face Type:	CR – Crown Face ST – Straight Face
Pulley Type:	DR – Drum WI – Wing
Hub Type & Size:	HE – (High Endurance) and Size (HE25) TL – (TAPER-LOCK) and Size (K25, F30, K35) QD – (Quick Disconnect) and Size (SF, E, F) Keyless Locking Device and Size (200mm)
Class:	CEMA (Heavy Duty) MD (Mine Duty) MDX (Mine Duty Extra) ENG (Engineered)
Lagging Thickness:	1/4”, 3/8”, 1/2”, 3/4”, 1” (Standard) Other Thicknesses Available on Request
Lagging Material & (Durometer):	SBR (60/45/70), D-LAG (60), Neoprene (60/45/70), Ceramic, Holz, Holz SOF
Lagging Pattern:	Plain, Herringbone, Chevron, Diamond, Concentric, Parallel
Bushing Size:	HE25 (Max. Bore 2-1/2”) F30 (Max. Bore 3”) E (Max. Bore 3-1/2”)
Examples:	1-12 x 26 CR DR HE25 MDX 3/8” Herringbone Lagging 2-HE25 x 2-7/16” Bushings 1-14 x 42 CR WI W25 2-2517 x 2-7/16” TAPER-LOCK Bushings 1-16 x 44 ST DR QD F 2-F x 3-7/16” QD Bushings

Shafting

Diameter x Length • # of Keyseats • # of Turndowns x Turndown Diameters

Examples:	2-7/16” x 63” 3-7/16” x 84” x 3KS 3-15/16” x 76”, 3KS, 2TD x 3-7/16”

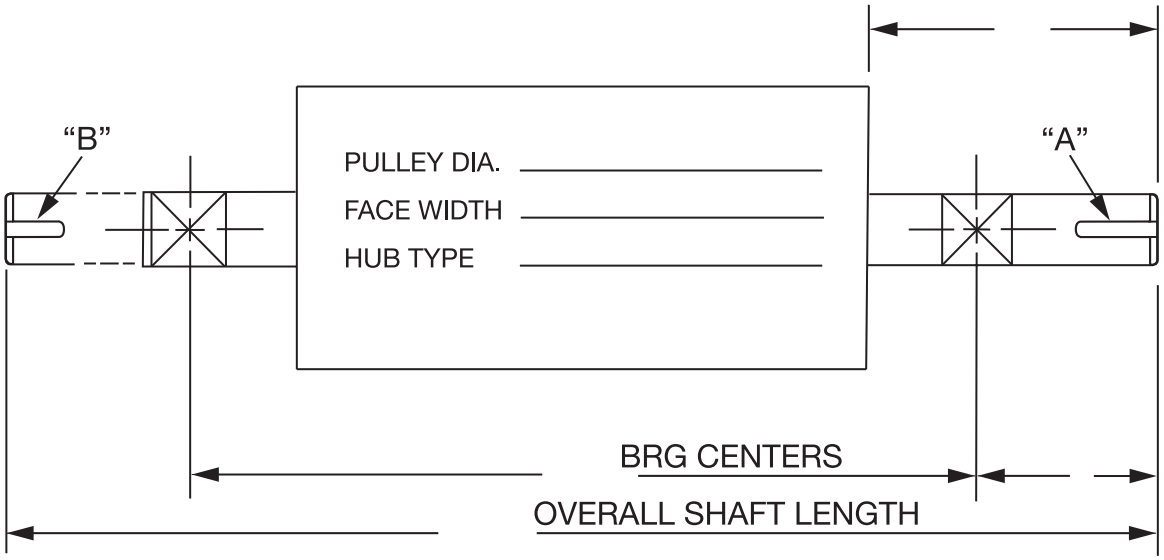
NOTE: All shafts require a drawing which indicates the location of keyseats, length of turndowns, bearing centers, turn down radii and location of the pulley on the shaft.

HOW TO ORDER

Pulley Assemblies

To order shafting, please copy and complete the sketches shown below

DRIVE PULLEY & SHAFT DIMENSIONS

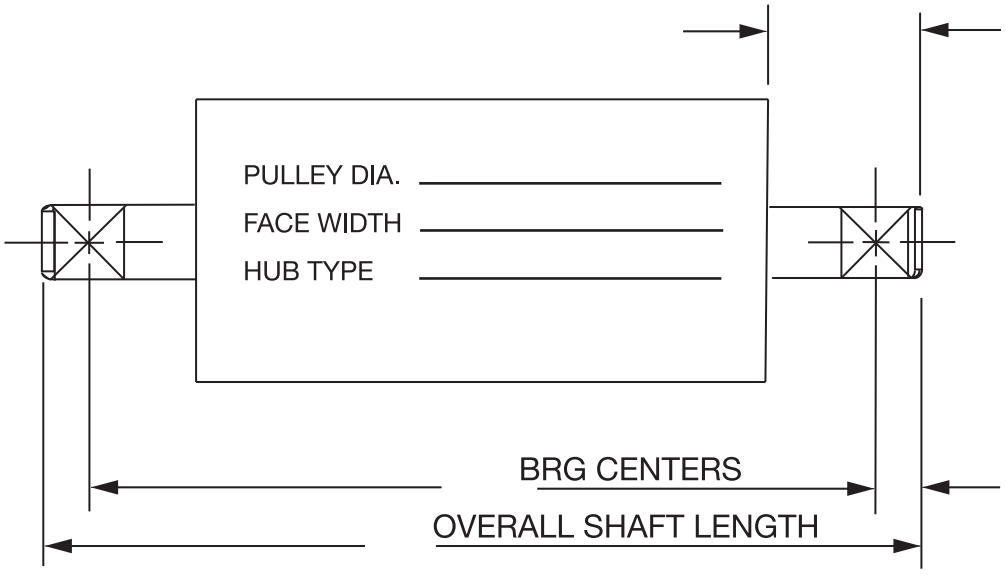


SHAFT DIA. AT HUB – _____
SHAFT DIA. AT BRG. – _____
SHAFT DIA. AT "A" – _____
SHAFT DIA. AT "B" – _____
NUMBER OF KEYSEATS – _____

KEYSEAT "A" – _____ X _____ X _____ LONG
KEYSEAT "B" – _____ X _____ X _____ LONG
DIRECTION OF ROTATION (LOOKING AT DRIVEN END) _____
LAGGING – THICKNESS – _____
TYPE – _____

NON-DRIVE PULLEY & SHAFT DIMENSIONS

DRUM - ☐
WING - ☐



SHAFT DIA. AT HUB – _____
SHAFT DIA. AT BRG. – _____

KEYSEAT – 0 _____ , 1 _____ , 2 _____

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DODGE

Engineered Pulley Data Sheet

LIMITED WARRANTY: Dodge offers a 2-year limited warranty and a serialized nameplate for all engineered pulleys designed to customer supplied loading information.

Selection of Dodge Conveyor Pulleys can be simplified by supplying the information in the Application Data Sheet provided below. Dodge can then engineer the correct pulleys or pulley assemblies for your specific application.

Company Name _____ Date _____ By _____

Address _____ Est. No. _____

Project _____

Conveyor Information - _____

Belt: [ ] Fabric: [ ] Steel: [ ] Other _____ Belt Width _____ in

Take-Up: [ ] Screw [ ] Gravity [ ] Hyd. [ ] Other _____

Drive Motor: HP _____ Belt Speed _____ FPM Capacity _____ TPH

Center to Center Distance _____ Lift in Feet _____

Pulley Data:

Conveyor Identification						
Pulley Location (Drive, Tail, etc.)						
Pulley Quantity						
Pulley Type (Drum or Wing)						
Diameter x Face Width						
Crown or Straight Face						
Lagging Thickness - Type of Grooves						
Shaft Diameter Through Pulley						
Shaft Diameter Through Bearing						
Shaft Diameter at Drive						
Shaft Length						
Number of Keyseats						
Drive Type (Sprocket, Coupling, Shaft Mount Reducer, etc.)						
Bearing Centers						
Arc of Contact (∝)						
T_1 _____ Lbs. T_2 _____ Lbs. ∝ T1 T2	○	○	○	○	○	○

Special Requirements:

SELECTION

Drum and Wing Pulleys - CEMA, MDX, Mine Duty

Proper selection of pulley diameter, face width and shaft diameter can easily be determined if the following information is known:

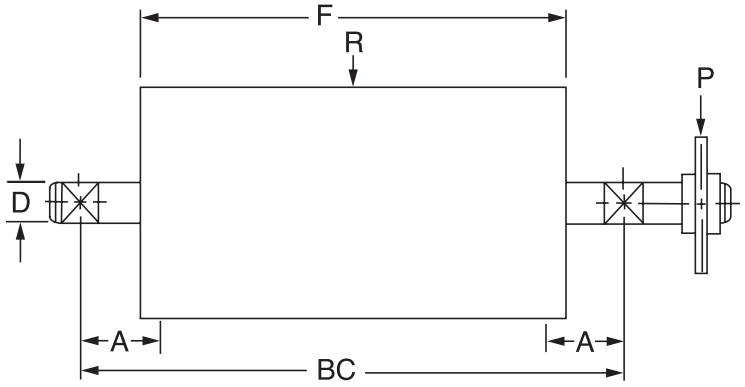
Belt Width (BW)

Bearing Centers (BC)

Arc of Belt Contact (∝)

Tight Side Belt Tension (T_1) (for drive pulleys only)*

Slack Side Belt Tension (T_2)*



A = Moment arm for pulley (inches)
BC = Bearing centers (inches)
D = Shaft diameter (inches)
F = Face width
P = Overhung load
R = Resultant pulley load (pounds)

STEP 1

Determine Required Pulley Face Width

From: F = BW + 2" (for BW 42" and under)
F = BW + 3" (for BW over 42")
Where: F = Pulley face width
BW = Belt width

Note: For replacement pulleys use face width of existing pulleys.

STEP 2

Determine Bearing Center Minus Face Dimension

From: BCMF=BC-F
Where: BCMF = Bearing center minus face dimension
F = Face width
BC = Bearing centerline to centerline dimension

Note: This selection guide is for conveyors with fabric belting. For other conveyor systems, consult factory for pulley selection.

***Note:** If belt tensions T1 and T2 are not known, please contact Dodge at (864) 297-8287.

STEP 3

Determine Pulley Pounds Per Inch of Belt Width

From: PIW = T_1 ÷ BW (for drive pulleys)
PIW = T_2 ÷ BW (for non-drive pulleys)*
Where: PIW = Pounds per inch of width value
T_1 = Tight side tension
T_2 = Slack side tension*
BW = Belt Width

***Note:** If non-drive pulley is on tight side of belt, substitute T_1 for T_2. Wing pulleys should not be used as drive pulleys.

STEP 4

Determine Minimum Pulley Diameter

(Drum pulleys only) Determine minimum pulley diameter using PIW, arc of belt contact (∝) and Table 1. Reading across the table from proper arc of contact select pulley diameter with PIW rating greater than actual PIW. Final pulley diameter may be greater than the diameter selected from Table 1 and must be greater than the belt manufacturer's recommended minimum diameter.

(Wing pulleys only) Determine minimum pulley diameter using PIW and Table 2. Select pulley diameter with PIW rating greater than actual PIW. Final pulley diameter may be greater than the diameter selected from Table 2 and must be greater than the belt manufacturer's recommended minimum diameter.

Drum and Wing Pulleys

Table 1
Use in STEP 4 to determine minimum pulley diameter for Drum Pulleys Only Maximum Belt Tension (Pounds Per Inch Of Belt Width)

Arc of Contact (Deg.)	Pulley Diameter (Inches)													
	8	10	12	14	16	18	20	24	30	36	42	48	54	60
10	65	80	95	120	145	175	205	260	345	430	520	605	690	775
20	50	60	75	95	115	135	160	200	265	335	400	465	535	600
30	45	55	65	80	100	115	140	175	230	290	345	405	460	520
40	35	45	55	70	85	100	120	150	200	245	295	345	395	445
50	30	40	45	60	70	85	100	130	170	215	255	300	340	385
60	30	40	45	60	70	85	100	125	165	205	250	290	330	375
70	30	40	50	60	75	85	105	130	175	220	260	305	350	395
80	35	45	50	65	80	95	115	140	190	235	285	330	375	425
90	35	45	55	70	85	100	120	150	200	255	305	355	405	455
100	40	50	60	75	90	110	130	160	215	270	325	380	430	485
110	45	55	65	80	100	115	140	175	230	290	345	405	460	520
120	45	55	65	85	105	120	145	185	245	305	365	425	490	550
130	50	60	75	95	115	135	160	200	265	335	400	465	535	600
140	55	70	80	105	125	150	180	225	300	375	450	525	600	675
150	60	75	90	115	140	170	200	250	335	420	505	590	670	755
160	70	85	100	130	160	185	225	280	375	465	560	650	745	800
170	75	95	115	145	175	205	250	310	415	520	620	725	800	800
180	85	105	125	160	195	230	275	345	460	575	690	800	800	800
190	75	95	115	145	175	205	250	310	415	520	620	725	800	800
200	70	85	100	130	160	185	225	280	375	465	560	650	745	800
210	60	75	90	115	140	170	200	250	335	420	505	590	670	755
220	55	70	80	105	125	150	180	225	300	375	450	525	600	675
230	50	60	75	95	115	130	160	200	265	335	400	465	535	600
240	45	55	65	85	105	120	145	185	245	305	365	425	490	550

STEP 5
Determine Pulley Resultant Load

Determine pulley resultant load from belt tensions and arc of contact.

Resultant load is calculated by:

$R = 2 \times T_2 \times \sin(\propto/2)$ (non-drive)*

$R = (T_1 + T_2) \times \sin(\propto/2)$ (drive)*

Where: R = Pulley resultant load

T_1 = Tight side tension

T_2 = Slack side tension

$\propto$ = Arc of contact

***Note:** If non-drive pulley is on tight side of belt, substitute T_1 for T_2. Wing pulleys should not be used as drive pulleys.

STEP 6
Determine Shaft Diameter

Determine shaft diameter from Table 3. Go down the proper pulley face width column and across from the bearing center minus face value (if the correct value is not listed, interpolate or use the next higher value) until a load rating greater than the resultant load calculated in Step 5 is found. The proper shaft diameter is then read from the vertical shaft diameter column.

Table 2
Use in STEP 4 to determine minimum pulley diameter for Wing Pulleys only MAXIMUM BELT TENSION (Pounds Per Inch of Belt Width)

Dia.	Pounds Per Inch	Dia.	Pounds Per Inch
8”	80#	18”	180#
10”	100#	20”	200#
12”	120#	24”	240#
14”	140#	30”	280#
16”	160#	36”	350#

SELECTION

Drum and Wing Pulleys

Table 3 - Use In Step 6 To Determine Shaft Diameter Load Ratings (Pounds) For Pulley And Shaft Combinations

Shaft Diameter (Inches)	(L) Bearing Centers Minus Face	Pulley Face Width (Inches)													
		12	14	16	18	20	22	26	32	38	44	51	57	63	66
1-3/16	2	1000	920	780	670	590	530	440	350	290	240	210	180	170	160
	6	570	520	440	380	340	300	250	700	160	140	170	100	94	90
	10	400	370	310	270	230	210	170	140	110	96	82	73	66	63
	14	300	280	240	200	180	160	130	110	87	74	63	56	51	48
1-7/16	3	1500	1500	1400	1200	1100	950	790	620	510	440	370	330	300	290
	6	1000	1000	950	820	720	640	530	420	350	300	250	220	200	190
	10	700	700	660	570	500	450	370	290	240	210	180	160	140	130
	14	540	540	510	440	390	350	290	230	190	160	140	120	110	100
1-11/16	3	2400	2400	2400	2300	2000	1800	1500	1200	980	830	710	630	570	540
	6	1600	1600	1600	1600	1400	1200	1000	800	660	560	480	430	380	370
	10	1100	1100	1100	1100	960	850	700	560	460	390	340	300	270	260
	16	780	780	780	750	660	590	490	380	320	270	230	210	180	180
1-15/16	3	3700	3700	3700	3700	3500	3100	2600	2100	1700	1400	1200	1100	990	940
	6	2500	2500	2500	2500	2400	2100	1800	1400	1100	980	840	740	670	640
	10	1700	1700	1700	1700	1700	1500	1200	970	800	680	580	520	470	420
	16	1200	1200	1200	1200	1100	1000	840	670	550	470	400	360	320	310
2-3/16	3	5300	5300	5300	5300	5300	5100	4200	3300	2800	2400	2000	1800	1600	1500
	8	2900	2900	2900	2900	2900	2800	2300	1900	1500	1300	1100	990	890	850
	12	2200	7200	2200	2200	2200	2100	1700	1400	1100	970	820	730	660	630
	18	1500	1500	1500	1500	1500	1500	1200	980	810	690	590	530	470	450
2-7/16	4	6300	6300	6300	6300	6300	6300	5600	4400	3700	3100	2700	2400	2100	2000
	8	4000	4000	4000	4000	4000	4000	3600	2900	2400	2000	1700	1500	1400	1300
	12	3000	3000	3000	3000	3000	3000	2700	2100	1700	1500	1300	1100	1000	910
	18	2100	2100	2100	2100	2100	2100	1900	1500	1300	1100	910	810	130	690
2-11/16	4	8100	8100	8100	8100	8100	8100	8100	6400	5300	4500	3800	3400	3100	2900
	8	5300	5300	5300	5300	5300	5300	5300	4200	3400	2900	2500	2200	2000	1900
	12	3900	3900	3900	3900	3900	3900	3900	3100	2600	2200	1900	1600	1500	1400
	18	2800	2800	2800	2800	2800	2800	2800	2200	1800	1600	1300	1200	1100	1000
2-15/16	4	10600	10600	10600	10600	10600	10600	10600	9100	7500	6400	5500	4900	4400	4200
	8	6900	6900	6900	6900	6900	6900	6900	6000	4900	4200	3600	3200	2900	4700
	14	4600	4600	4600	4600	4600	4600	4600	3900	3200	2800	2300	2100	1900	1800
	20	3400	3400	3400	3400	3400	3400	3400	2900	2400	2000	1700	1600	1400	1300
3-7/16	6	11600	11600	11600	11600	11600	11600	11600	11600	10100	8500	7200	6400	5700	5500
	10	8500	8500	8500	8500	8500	8500	8500	8500	7400	6300	5300	4700	4200	4000
	14	6700	6700	6700	6700	6700	6700	6700	6700	5800	4900	4200	3700	3300	3200
	20	5100	5100	5100	5100	5100	5100	5100	5100	4400	3800	3200	2800	2500	2400
3-15/16	6	16700	16700	16700	16700	16700	16700	16700	16700	16700	14200	12000	10600	9500	9000
	10	12400	12400	12400	12400	12400	12400	12400	12400	12400	10600	8900	7900	7100	6700
	14	9800	9800	9800	9800	9800	9800	9800	9800	9800	8400	7100	6300	5600	5300
	20	7500	7500	7500	7500	7500	7500	7500	7500	7500	6400	5400	4800	4300	4100
4-7/16	8	19600	19600	19600	19600	19600	19600	19600	19600	19600	19100	16100	14200	12700	12100
	12	15300	15300	15300	15300	15300	15300	15300	15300	15300	14800	12500	11100	9900	9400
	16	12500	12500	12500	12500	12500	12500	12500	12500	12500	12100	10300	9100	8100	7700
	22	9800	9800	9800	9800	9800	9800	9800	9800	9800	9500	8100	7100	6400	6000
4-15/16	8		25200	25200	25200	25200	25200	25200	25200	25200	25200	23600	20800	18500	17600
	12		19900	19900	19900	19900	19900	19900	19900	19900	19900	18600	16400	14600	13900
	16		16400	16400	16400	16400	16400	16400	16400	16400	16400	15400	13500	12100	11500
	22		13000	13000	13000	13000	13000	13000	13000	13000	13000	12200	10700	9600	9100
5-7/16	10			26600	26600	26600	26600	26600	26600	26600	26600	26600	25100	22300	21100
	14			22000	22000	22000	20000	22000	22000	22000	22000	22000	20700	18400	17500
	18			18700	18700	18700	18700	18700	18700	18700	18700	18700	17700	15700	14900
	24			15300	15300	15300	15300	15300	15300	15300	15300	15300	14500	12800	12200

Drum and Wing Pulleys

Table 3 (Continued) - Use In Step 6 To Determine Shaft Diameter Load Ratings (Pounds) For Pulley And Shaft Combinations

Shaft Diameter (Inches)	(L) Bearing Centers Minus Face	Pulley Face Width (Inches)													
		12	14	16	18	20	22	26	32	38	44	51	57	63	66
6	10			35700	35700	35700	35700	35700	35700	35700	35700	35700	35700	33100	31300
	14			29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	27300	25900
	18			25100	25100	25100	25100	25100	25100	25100	25100	25100	25100	23300	22100
	24			20600	20600	20600	20600	20600	20600	20600	20600	20600	20600	19000	19000
6-1/2	12				39200	39200	39200	39200	39200	39200	39200	39200	39200	39200	38000
	16				33200	33200	33200	33200	33200	33200	33200	33200	33200	33200	32100
	20				28800	28800	28800	28800	28800	28800	28800	28800	28800	28800	27800
	26				24000	24000	24000	24000	24000	24000	24000	24000	24000	24000	23200
7	12				49000	49000	49000	49000	49000	49000	49000	49000	49000	49000	49000
	16				41400	41400	41400	41400	41400	41400	41400	41400	41400	41400	41400
	20				35900	35900	35900	35900	35900	35900	35900	35900	35900	35900	35900
	26				29900	29900	20000	29900	29900	29900	29900	29900	29900	29900	29900
7-1/2	14				54100	54100	54100	54100	54100	54100	54100	54100	54100	54100	54100
	18				46500	46500	46500	48500	48500	46500	46500	46500	46500	46500	46500
	22				40800	40800	40800	40800	40800	40800	40800	40800	40800	40800	40800
	28				34400	34400	34400	34400	34400	34400	34400	34400	34400	34400	34400
8	14				65700	65700	65700	65700	65700	65700	65700	65700	65700	65700	65700
	18				56400	56400	56400	56400	56400	56400	56400	56400	56400	56400	56400
	22				49500	49500	49500	49500	49500	49500	49500	49500	49500	49500	49500
	28				41800	41800	41800	41800	41800	41800	41800	41800	41800	41800	41800
8-1/2	16						67700	67700	67700	67700	67700	67700	67700	67700	67700
	20						59400	59400	59400	59400	59400	59400	59400	59400	59400
	24						52900	52900	52900	52900	52900	52900	52900	52900	52900
	30						45400	45400	45400	45400	45400	45400	45400	45400	45400
9	16						80400	80400	80400	80400	80400	80400	80400	80400	80400
	20						70500	70500	70500	70500	70500	70500	70500	70500	70500
	26						59500	59500	59500	59500	59500	59500	59500	59500	59500
	32						51500	51500	51500	51500	51500	51500	51500	51500	51500
9-1/2	16						94500	94500	94500	94500	94500	94500	94500	94500	94500
	22						78100	78100	78100	78100	78100	78100	78100	78100	78100
	28						66500	66500	66500	66500	66500	66500	66500	66500	66500
	34						57900	57900	57900	57900	57900	57900	57900	57900	57900
10	16						110000	110000	110000	110000	110000	110000	110000	110000	110000
	22						91100	91100	91100	91100	91100	91100	91100	91100	91100
	28						77600	77600	77600	77600	77600	77600	77600	77600	77600
	34						64800	64800	64800	64800	64800	64800	64800	64800	64800

SELECTION

Drum and Wing Pulleys

STEP 7

Determine Drive Pulley Shaft Diameter

(For drive pulleys only) The shaft diameter determined in Step 6 must be checked for torque capacity. The shaft diameter required for torque is determined from:

$$D_T = 3\sqrt{\frac{16}{\pi \times S}} \times \sqrt{(K_B \times A \times R \div 2)^2 + [(T_1 - T_2) \times D \div 2]^2}$$

Where: D_T = Required shaft diameter from torque
p = 3.1416
S = 8000 psi for 1042 -1045 shafting
(10,000 for 4140)
K_B = 1.5*
A = Moment arm (from Table 4)
R = Resultant load from Step 5
T_1 = Tight side tension
T_2 = Slack side tension
D = Pulley Diameter

***Note:** Use K_B = 2.5 for overhung load drive (chain, torque arm, etc.)
If D_T is greater than the shaft diameter from Step 6, round D_T up to the next standard shaft diameter and use that value. If D_T is less than the shaft diameter from Step 6, use the diameter selected from Step 6.

Table 4 - A-Values

Shaft Dia. (inches)	A	Shaft Dia. (inches)	A
1 to 2-7/16	N+1-5/8	4-15/16	N+3-1/4
2-11/16 to 2-15/16	N+1-3/4	5-7/16 to 6	N+4-1/2
3-7/16	N+2-1/2	6-1/2 to 7	N+5
3-15/16	N+2-3/4	7-1/2 to 8	N+5-1/4
4-7/16	N+3	8-1/2 to 10	N+6-1/4

N = BCMF ÷2

STEP 8

Compare Pulley Diameter

Compare the pulley diameter, face width combination selected with the standard drum pulley listing on pages PT14-15 - PT14-33 or the standard wing pulley listing on pages PT14-34 - PT14-48 to insure the selected combination is available. If the selected combination is not available increase shaft diameter or pulley diameter until a standard pulley is listed.

Example 1 (Drive Pulley)

Given: 36” belt width — 3600 lb. T_1
52” bearing centers — 1600 lb. T2
210° arc of contact

Step 1
Determine required face width from:
F=BW+2” F=36+2=38

Step 2
Determine bearing center minus face dimension from:
BCMF= BC-F BCMF=52-38= 14”

Step 3
Determine pounds per inch of face width from:
PIW=T_1÷BW PIW=3600÷36=100 PIW

Step 4
Determine minimum pulley diameter using Table 1. Since PIW = 100 and arc of contact is 210°, the minimum pulley diameter is 14”.

Step 5
Determine resultant load from:
R=(T_1 + T_2) x sin (∝/2)
R=(3600 + 1600) x sin (210/2)=5023 lb.

Step 6
Determine shaft diameter using Table 3. Using a face width of 38” bearing center minus face dimension of 14” and a pulley resultant load of 5023 lbs., read down the 38” face width column until the load rating at BCMF = 14” exceeds 5023 lb. The first value to exceed 5023 lbs. is 5800 lbs. at a shaft diameter of 3-7/16.

Step 7
Check torque capacity of selected shaft using:

$$D_T = 3\sqrt{\frac{16}{\pi \times S}} \times \sqrt{(K_B \times A \times R \div 2)^2 + [(T_1 - T_2) \times D \div 2]^2}$$

$$D_T = 3\sqrt{\frac{16}{3.1416 \times 8000}} \times \sqrt{(1.5 \times 9.5 \times 5023 \div 2)^2 + [(3600 - 1600) \times D \div 2]^2}$$

D_T = 2.86”
The 3-7/16 shaft diameter selected in Step 6 is greater than 2.86: therefore 3-7/16 is the final shaft diameter selection.

Step 8
Checking the standard pulley listing on page PT14-30, a 14 x 38 pulley with 3-7/16 shaft (HE35 Hub) is a standard pulley.

Example 2 (Non-drive wing pulley).

Given: 54” belt width — 180° arc of contact
71 bearing centers — 8600 lb. T_2

Step 1
Determine required face width from:
F = BW + 3, F = 54 + 3 = 57,

Step 2
Determine bearing center minus face dimension from: BCMF = BC-F
BCMF = 71- 57 = 14,

Step 3
Determine pounds per inch of face width from:
PIW=T_2 ÷ BW PIW=8600 ÷ 54=159 PIW

Step 4
Determine minimum pulley diameter using Table 2. Since PIW = 159 the minimum pulley diameter is 16”.

Step 5
Determine resultant load from:
R=2 x T_2 x sin (∝/2)
R = 2 x 8600 x sin (180/2) = 17,200 lbs.

Step 6
Determine shaft diameter using Table 3. Using a face width of 57”, bearing center minus face dimension of 14” and a pulley resultant load of 17,200 lbs., read down the 57” face width column until the load rating at BCMF = 14” exceeds 17,200 lbs. The first value to exceed 17,200 lbs. is 20,700 lbs. at a shaft diameter of 5-7/16.

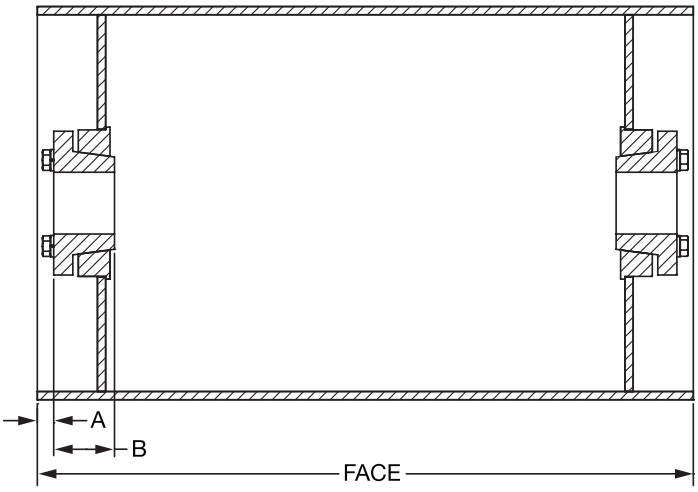
Step 7
Checking the standard wing pulley listing on page PT14-46, a 16 x 57 wing pulley with 5-7/16 shaft (HE60 hub) is not a standard pulley. For a 5-7/16 shaft you must select a 24" diameter pulley.

HE Heavy Duty Drum Pulleys

- Designed to CEMA specifications
- Standard crown face or straight face available
- 6” - 60” diameter and face widths exceeding 100”, others available upon request
- HE bushing system designed specifically for Dodge Conveyor pulleys
- Most dependable mounting system for conveyor pulleys
- One piece die formed rim through 18”
- Rolled rim over 18”
- Available from stock

HE Dimensions

Hub	A	B	Bushing	Max. Bore	Screw Torque (in.-lb.)
HE25	3/4	1.80	HE25	2-1/2	360
HE30	3/4	2.20	HE30	3	710
HE35	3/4	2.78	HE35	3-1/2	1080
HE40	3/4	2.93	HE40	4	1680
HE45	3/4	3.20	HE45	4-1/2	1680
HE50	3/4	3.70	HE50	5	2400
HE60	1	3.95	HE60	6	4200
HE70	1	4.45	HE70	7	6000
HE80	1-1/4	5.20	HE80	8	6000
HE100	1-1/4	6.45	HE100	10	7200
HE120	1-1/4	7.45	HE120	12	7200



Conveyor Components
Engineering
Part Number Index
Keyword Index

SELECTION

DODGE

HE Heavy Duty Crown Drum Pulley Part Numbers

Dia	Hub	Face Width												
		10	12	14	16	18	20	22	24	26	28	30	32	34
6	HE25		206001	206003	209942	203500	203501	206009	203502	206012		203503	203504	
8	HE25		206020	206022		206024	203516		209945	206029		203519	206031	
10	HE25	203268	206035	206036	206037	206039	206041	206042	203530	206044	223058	209710	206046	
	HE30				209948	203910	203526		203531	203533			203538	
	HE35						203527	203529		203534			203539	
12	HE25		209716	206056	206057	206058	206060	209718	203561	206063	203272	209720	206066	
	HE30			223061		203271	209717	203558	203562	206064	209719	203568	206067	209721
	HE35						203556	203559	203563	203565			203571	
	HE40							203560		203566			203572	
14	HE25		203594	209726	203596	203597	206080	209951	203607	206081		209730	206083	
	HE30						209727	203603	203608	206082	209729	203616	203620	
	HE35								203609	209728	223066	203617	203621	
	HE40		209725				203600			203613		203618	203622	
	HE45							203606	203611				203623	
	HE60													
16	HE25	203207	203651	203652	206090	206091	206092	209736	209952	206095	223074	209739	206097	
	HE30		202002	209734	202005	203283	209735	203657	209737	206096	209738	203670	206098	
	HE35						203654	203658		203666	223075	203671	203674	209740
	HE40						203655	203659	203664	203667		203672	203675	223078
	HE45									203668			203676	
	HE50									223073			223076	
18	HE25	202006	203703	203704	209743	209744	206110	203712	209746	206111	223096	209749	206114	
	HE30	203208	202009	202010	202015	203707	209745	203713	203718	206112	209748	203725	206115	203732
	HE35	202007	224523	202011	202016	202017	203709	209953	203719	206113	223097	203726	203729	209750
	HE40						203710	203715		209747	223098	203727	203730	203734
	HE45									203723		203728	203731	
	HE50									223095			223099	
20	HE25	203309	209756	203765	203766	203767	206125	203773	203778	206126	223124	209955	206089	223130
	HE30	202018	224524	202024	202029	202031	209757	203774	209758	206127	223125	203786	206129	
	HE35	202019	202023	202025	202030	203768	203770	203775	203780	206128	223126	203787	206130	203310
	HE40						203771	203776	203781	209759	223127	203788	203790	209760
	HE45									203784		203789	203791	203311
	HE50									223123	223128		223129	
24	HE25	224528	202035	202038	202041	202043	202046	202047	202049	223160	223161		209771	
	HE30	203814	209957	203816	203817	203818	203819	209958	203827	206140	223162	203832	206142	203341
	HE35	202032	202036	209767	202042	202044	203820	203824	203828	206141		203833	206143	
	HE40	224529	202037	203339	224533	202045	203821	202048	203829	203908	209769	209770	206144	
	HE45						203822	203826		203831			203836	209773
	HE50									203340	223163		209772	
	HE60										223164		203477	
30	HE30	202050	224534	203857	203858	209959	203860	202070	202073			203874	203878	
	HE35	202051	224535	202062	203210	202067	203861	203864	203868	203871		203875	203879	
	HE40	202052	224536	224537	209780		203862	203865	203869	203872			203880	
	HE45	202053	202060	202063	202151	202068	203863	202071	203870	203873			209781	
	HE50	202054	202061	202064	202066		202069	202072	202074				223192	
	HE60												203479	
36	HE30	202075	202085	202090		202096	202098	202103	202107					
	HE35	202076	202086		203906		202099	202104	202108					
	HE40	202077	202087				202100		202109					
	HE45	202078	202088	202091	202095		202101	202105	202110					
	HE50	202079	202089	202092		202097	202102	202106	202111					
	HE60													
	HE70													

HE Heavy Duty Crown Drum Pulley Part Numbers (continued)

Dia	Hub	Face Width											
		36	38	40	44	46	50	51	54	56	57	60	63
6	HE25	203505	206014	209700	209701		203510	203511	203512			209703	209704
8	HE25		209707		206033			206034	203524				
10	HE25	209949	206048		206049			206052	209712		223059		223060
	HE30		203543		206051			206050				209713	209714
	HE35		203544		209711		203203	203551		203204			209715
12	HE25	209950	206069	203274	206072	203583		206074	203590		203275		203276
	HE30	203574	206070	209722	206073	203584		203587	203591		223063		209724
	HE35	203575	203577	206071	203581	203585		203588	203592		209723		203277
	HE40		203578	203579	203582	203586		203589	203593				223065
14	HE25	203624	206084		203633	203637		203642	209731				223070
	HE30	203625	206085		203907	203638		206087	203647		223067		223071
	HE35		203629	206086	203634	203639		203643	203648		223068		209733
	HE40	203627	203097		203635			203644	203649		223069		223072
	HE45		203631		203636	203641		203645			209732		
	HE60						203205			203206			
16	HE25	203677	206099	223080	203685	203689		203695	203698				223091
	HE30	203678	206100	223081	206102	203690		203696			223086	223090	209742
	HE35	203679	203682	206101	203686	223084		206103	203700		223087		223092
	HE40	203680	203683	223082	203687	203691		206104	203701		223088		203293
	HE45		203684	209741	203688	203692		203697			203292		223093
	HE50		223079	223083				223085			223089		223094
18	HE25	203735	206116	223101	203744	203748		203755	203759		223111		223118
	HE30	203098	206117	203742	203745	203749		203756	203760		223112		223119
	HE35	203737	206118	209751	206121	203750		203757	203761		223113		209755
	HE40	203738	203740	206119	203746	203751	203754	206120	203762		223114		223120
	HE45	203739	203741	223102	209752	209753		203758	203763		223115		203307
	HE50	223100	203303	223104	203305	203753		209754	223110		223116		203308
20	HE25	209956	206131	223133	203799	203802		223142			223148		223155
	HE30	203793	206132	223134	206134	203803		203807	203810		203320		223156
	HE35	203794	206133	223135	206135	223139		203808	203811		203322		209766
	HE40	203795	203797	203314	206136	203804		203809	203812		223149		203326
	HE45	203796	209761	203315	209762	209763		206137	203813		223150		203327
	HE50		223132	223136	203801	203317		209764	209765		203323	223154	203328
24	HE25		203342	223168	223174			223179	223181		223183		223186
	HE30	203837	206145		206148	203845		203848	209777		223184		
	HE35	203838	206146	203842	206149	203846		203849	203853		203361		223187
	HE40	203839	206147	203843	203844	203349		203850	203854		203856		209778
	HE45	203840	203841	223170	206150	203350		206151	203855		203362		203371
	HE50		203343	223171	209774	209775		209776	223182		203363		209779
	HE60	223166	203344	223172	203346	203352		203355	203359		203364		203373
30	HE30		203886		203891	203895		223200					
	HE35	203883	209960		203892	203896		203900					223208
	HE40	203884	203888	203890	209784	203897		203901			223206		
	HE45	203885	209782		203894	203898		209786	203905		203408		223209
	HE50		203393	209783	209785	223198		203402	223204		203409	223207	223210
	HE60	223193	203394	223195	203398	203401		203403	203406		203410		203414
36	HE30												
	HE35												
	HE40		203474		223213			223219				223224	223225
	HE45				203475			223220					
	HE50				223214	223217		223221					223226
	HE60				203437	223218		203438			203441		223227
	HE70				223215			203439			223223		223228

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SELECTION

HE Heavy Duty Straight Drum Pulley Part Numbers

Dia	Hub	Face Width										
		10	12	14	16	18	20	24	26	28	30	32
6	HE25		223230	209800		209801	209802		209803			223231
8	HE25	223233	223234	223235	223236	223237	223238		223239		223240	209810
	HE30											
	HE35											
10	HE25						209814		209815			209816
	HE30											223245
	HE35											
12	HE25					209818	209819	223250	209820	223252		223253
	HE30								223251			209821
	HE35											223254
	HE40											
	HE45											
14	HE25								209826			209827
	HE30								223262			223263
	HE35											
	HE40											
	HE45											
	HE50											
16	HE25						223275		223277	223280		209832
	HE30						223276		209831	223281		223283
	HE35								223278	223282		223284
	HE40								223279			209833
	HE45											223285
	HE50											
	HE60											
18	HE25								223307	223308		223311
	HE30								209843	223309	209845	223312
	HE35								209844	223310		209846
	HE40											223313
	HE45											223314
	HE50											
	HE60											
	HE70											
20	HE25								223361			223366
	HE30								223362			223367
	HE35								209852	223363		223368
	HE40									223364		223369
	HE45											223370
	HE50											223371
	HE60									223365		
	HE70											

HE Heavy Duty Straight Drum Pulley Part Numbers (continued)

Dia	Hub	Face Width										
		34	36	38	40	44	46	51	54	57	60	63
6	HE25			209804	223232	209805				209806	209807	209808
8	HE25			209811		223242		209812		223244		209813
	HE30							223243				
	HE35			223241								
10	HE25			209817		223246						223248
	HE30						223247					
	HE35											223249
12	HE25					209823		223258				209825
	HE30			209822			223257	209824	223259	223260		
	HE35			223255								
	HE40											
	HE45					223256						
14	HE25			209828								
	HE30			223265		209829		223271				209830
	HE35		223264	223266		223268						223272
	HE40			223267		223269						
	HE45											223273
	HE50											223274
16	HE25			209835				209839				
	HE30	209834		209836	223290	223293	223294	223301			209841	
	HE35			223287	223291	209837	223295	209840				209842
	HE40	223286			223292	209838	223296	223302		223305		223306
	HE45			223289			223297	223303				
	HE50						223298	223304				
	HE60						223299					
18	HE25			223319	223324		223334	223340	223345			223355
	HE30			223320	223325	223330	223335					
	HE35		223315	209847	223326	209848	223336	223341	223346	223351		209851
	HE40		223316	223321	223327	223331	223337	223342	223347	223352		223356
	HE45		223317	223322	223328	209849		223343	223348			223357
	HE50		223318	223323	223329	223332		209850	223349	223353		223358
	HE60					223333		223344	223350	223354		223359
	HE70											223360
20	HE25				223380	223386		223398				
	HE30			223375	223381	223387	223391	223399	223405			
	HE35	223372		223376	223382	223388	223392	223400		223407		223409
	HE40			223377	209853	223389	223393	223401	209855			223410
	HE45			223378	223383	223390	223394	223402				223411
	HE50	223373	223374	223379	223384	209854	223395	223403	223406			223412
	HE60				223385		223396	223404				
	HE70											

SELECTION

HE Heavy Duty Straight Drum Pulley Part Numbers (continued)

Dia	Hub	Face Width										
		10	12	14	16	18	20	24	26	28	30	32
24	HE25											223415
	HE30									223414		223416
	HE35											223417
	HE40											
	HE45											223418
	HE50											223419
	HE60											
	HE70											
	HE80											
30	HE25											
	HE30											
	HE35											
	HE40											
	HE45											
	HE50											
	HE60											
	HE70											
	HE80											
36	HE35											
	HE40											
	HE45											
	HE50											
	HE60											
	HE70											
	HE80											

Dia	Hub	Face Width										
		34	36	38	40	44	46	51	54	57	60	63
24	HE25				223426		223437	223443				
	HE30			223420	223427				223449			
	HE35			223421	223428	223433	223438	223444	223450	223454		223460
	HE40			223422	223429	223434	223439	223445	223451	223455		
	HE45			223423	223430	223435	223440	223446	223452	223456		223461
	HE50			223424	223431	209856		209857		223457	223459	223462
	HE60			223425	223432	223436		223447	223453	223458		223463
	HE70						223441	223448				223464
	HE80											223465
30	HE25											
	HE30											
	HE35									223484		
	HE40					223472						
	HE45			223467								223487
	HE50			223468		223473			223481			223488
	HE60			223469		223474		223479	223482	223485		223489
	HE70		223466		223470	223475	223477	223480				223490
	HE80				223471	223476			223483	223486		223491
36	HE35											
	HE40											
	HE45									223497		
	HE50								223496			
	HE60						223493	223494		223498		223499
	HE70					223492		223495				223500
	HE80											223501

HE Heavy Duty Crown Drum Pulleys with Lagging Part Numbers

Dia	Hub	Face Width										
		Lagging	12	14	18	20	26	32	38	44	51	63
6	HE25	3/8 HBG				209896						
8	HE25	3/8 HBG					209897					
10	HE25	3/8 HBG					209898	209899	203911	209900	209902	
	HE30	3/8 HBG						207971	207973	209901		
12	HE25	3/8 HBG				209903	209904	209905	209906	224508		203473
	HE30	3/8 HBG					206105	206106	209907	209909	209910	
	HE35	3/8 HBG							209908		209911	207578
14	HE25	3/8 HBG				209912	207954	207950	207951	207205	207952	207953
	HE30	3/8 HBG					209913	209914	209915	209916	209918	
	HE35	3/8 HBG					205669		205670	209917	209919	
16	HE25	3/8 HBG				209920	207206	205671	207209	205673		
	HE30	3/8 HBG					207207	207208	207210	209922	209923	
	HE35	3/8 HBG					206054	206075	206076	208923	205675	
	HE40	3/8 HBG						205672	209921	205674	205676	
18	HE25	3/8 HBG						209924				
	HE30	3/8 HBG					207211	207212	207213		205520	
	HE35	3/8 HBG					206107	206077	206108	209927	205521	205523
	HE40	3/8 HBG						209925	209926	209928	205522	205524
20	HE25	3/8 HBG					209929	209932				
	HE30	3/8 HBG					209930	207214	209934			
	HE35	3/8 HBG					209931	209933	209935		205527	205528
	HE40	3/8 HBG					206078	206079	206088	205985	209936	
	HE45	3/8 HBG							209983			
24	HE25	3/8 HBG	203912									
	HE30	3/8 HBG		203913				209937				
	HE35	3/8 HBG			203914		207977	209938	209939		205530	
	HE40	3/8 HBG					207978	207215	207216	209940	209941	205532
	HE45	3/8 HBG					206017	206018	206019	206053	205531	205533

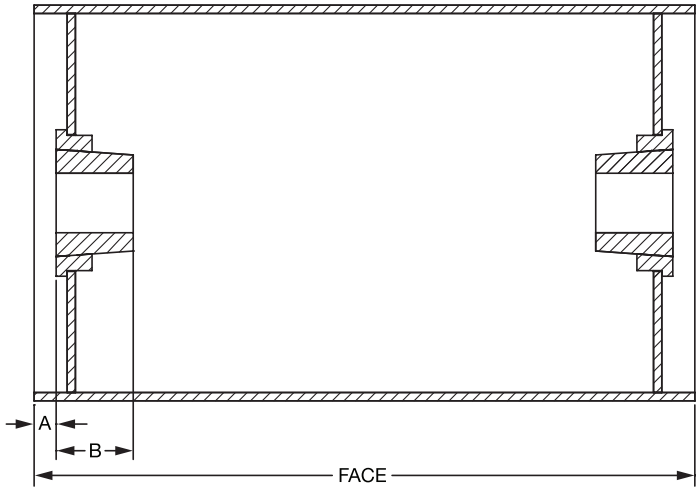
SELECTION/DIMENSIONS

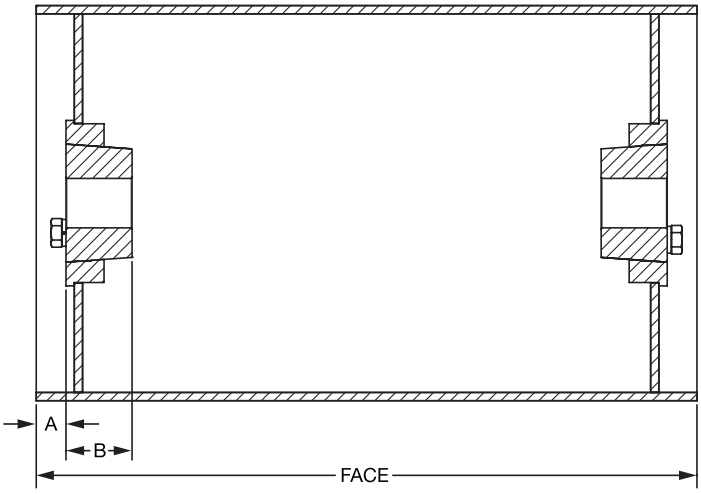
TAPER-LOCK Heavy Duty Drum Pulleys

- Designed to CEMA specifications
- Standard crown face or straight face available
- 6” - 60” diameter and face widths exceeding 100”. Others available upon request.
- Flush mount, compact design mounting system
- One piece die formed rim through 18”
- Rolled rim over 18”
- Available from stock

TAPER-LOCK Dimensions

Hub	A	B	Bushing	Max. Bore	Screw Torque (in.-lb.)
K25	1	1-3/4	2517	2-1/2	430
F25	1	1-3/4	2517	2-1/2	430
F30	1	2	3020	3	800
K35	1	3-1/2	3535	3-1/12	1000
K40	1	4	4040	4	1700
K45	1	4-1/2	4545	4-1/2	2450
K50	1	5	5050	5	3100
K60	2-1/4	5	6050	6	7820
K70	2-1/4	6	7060	7	7820
K80	2-1/4	6-1/2	8065	8	7820
K100	2-1/4	8-1/2	10085	10	13700
K120	2-1/4	10	120100	12	13700





Taper-Lock Heavy Duty Crown Drum Pulley Part Numbers

Dia	Hub	Face Width										
		10	12	14	16	18	20	22	24	26	30	32
6	F25		204505	204506	204507	204508	204509	204510	204511	204512	204514	204515
8	F25	204417	204524	204525			204528			204531		204534
	F30											
	K35											
10	K25		204549	204550	204551	204552	204553	204554	204555	204556	204558	204559
	F30						205050	205051	205052	205053	205054	205056
	K35									205123	205124	205125
12	K25		204574	204575	204576	204577	204578	204579	204580	204581	204582	204584
	F30						204760	205063	205064	204700	205065	204701
	K35						205132	205133	205134	205135	205136	205137
	K40											205225
	K45											
14	K25		204599	204600	204601	204602	204603	204604	204605	204606	204608	204609
	F30						205070	205071	205072	205073		204266
	K35							205145		205147	205148	205149
	K40									205234		
	K45											
	K50											
16	K25		204623	204624	204625	204626	204627	204628	204629	204630	204632	204633
	F30						204706	205080		204707	205082	204708
	K35						205156			205159		205161
	K40									205246		205248
	K45											
	K50											
	K60											
18	K25		204649	204650	204651	204652	204653	204654	204655	204656	204658	204659
	F30					204353	205086	205087	205088	204713	205089	204714
	K35						205165			205168	205169	205170
	K40						205252			205255	205256	205257
	K45									205332		205334
	K50											
	K60											
	K70											
20	K25		204672	204673		204675	204676	204677		204679	204681	204682
	F30						204719	205094	205095	204720	205096	204721
	K35						205175	205176	205177	204424	205178	204425
	K40						205264	205265		205267	205268	205269
	K45						205341		205343	205344	205345	205346
	K50											
	K60											
	K70											

SELECTION

Taper-Lock Heavy Duty Crown Drum Pulley Part Numbers (cont)

Dia	Hub	Face Width										
		34	36	38	40	44	46	48	51	54	57	63
6	F25		204517	204518			204520	204339		204522		204342
8	F25			204537		204538	204539					204346
	F30											
	K35											
10	K25		204561	204562		204565	204566		204568	204571		
	F30		205057	205058		205059	205060		205061			
	K35			205127		205128	205129					
12	K25		204586	204587		204590	204591		204593			
	F30		205066	204702		204703	205067		205068			
	K35		205138	205139		205140	205141		205142			
	K40			205227	204349	205228	204275		205229	205230		
	K45											
14	K25		204611	204612		204615			204618			
	F30		205075	205076		204761			205078			
	K35		205150	205151		205152	205153		205154			
	K40				204265	205240	204276		205241			
	K45			205312								
	K50											
16	K25		204635	204636		204639	204640		204642			
	F30		205083	204709		204710			204267	205085		
	K35		205162	204268		205163			204269			
	K40			204277		204278			205250	205251		
	K45					205325			205327	205328		
	K50											
	K60											
18	K25		204661	204662		204665	204666		204668	204669		
	F30	204354	205090	204715	204357	204716	205091		205092	205093		
	K35	204355	205171	204270	204358	204271	205172		203099		223504	
	K40	204356	205258	204280		204281	205261		205262	205263		
	K45			205336		205337	205338		205339	205340		
	K50			223503			204359					
	K60											
	K70											
20	K25		204684	204685		204687						
	F30		205097	204722		204723	205098		204724			
	K35	204754	205179	204426		204427	204769		205180	205181		
	K40		205270	204282		204283	205273		204284	205275		
	K45		205347	205348		205349	203096		205350	205351		
	K50					204362	204770					
	K60											
	K70											

Taper-Lock Heavy Duty Crown Drum Pulley Part Numbers (cont)

Dia	Hub	Face Width										
		10	12	14	16	18	20	22	24	26	30	32
24	K25											
	F30	204365	204727	204728	204729	204730	204731	204732	204733	204734	204735	204736
	K35						204428			204429	205184	204430
	K40						205276			204772		204285
	K45						205352			205355		204290
	K50											
	K60											
	K70											
	K80											
30	K25											
	F30			204744	204745	204746	204747	204748	205102	204749		204750
	K35						205188			204435		204436
	K40						205286			205289	205290	205291
	K45						205363		205365			205368
	K50											
	K60											
	K70											
	K80											
36	K35				204780							
	K40											
	K45											
	K50											
	K60											
	K70											
	K80											

Dia	Hub	Face Width										
		34	36	38	40	44	46	48	51	54	57	63
24	K25											
	F30		204738	204739		204740	205100		204741	205101		
	K35		205185	204431	204366	204432	205186		204272	205187		
	K40		205281	204286	204367	204287	204773	204774	204288	205285	204368	
	K45		205358	204291		204292			204293	205362		
	K50			204295					204779			
	K60			204946					204329			
	K70											
	K80											
30	K25											
	F30			204751		205105						
	K35			204437		204438	205192		205193			
	K40			205293	204369	205294	205295	204381	205296			
	K45			205370		205371	205372		205373	205374		
	K50											
	K60											
	K70											
	K80											
36	K35											
	K40											
	K45											
	K50											
	K60											
	K70											
	K80											

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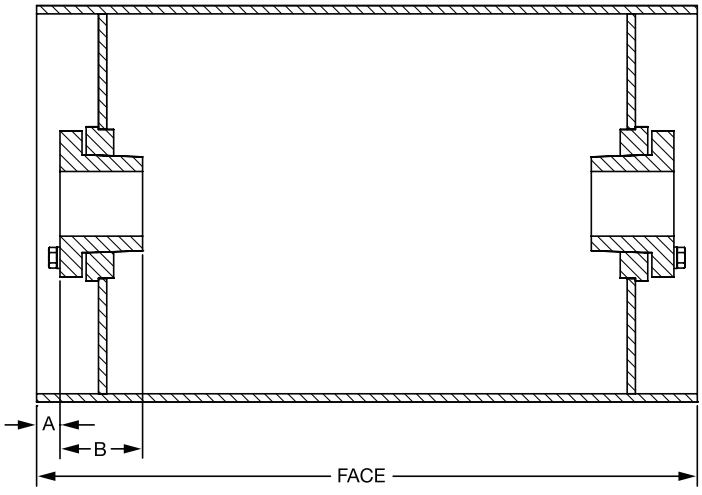
SELECTION/DIMENSIONS

QD Heavy Duty Drum Pulleys

- Designed to CEMA specifications
- Standard crown face or straight face available
- 6” - 60” diameter and face widths exceeding 100”. Others available upon request.
- Flange mount bushing system
- One piece die formed rim through 18”
- Rolled rim over 18”
- Available from stock

QD Hub	A	B	Bushing	Max. Bore*	Screw Torque (in.-lb.)
SF	7/8	2-1/16	SF	2-1/2	360
E	1	2-3/4	E	3	720
F	1-1/16	3-3/4	F	3-1/2	900
JS	1-1/8	3-3/8	J	4	1620
MS	1-1/4	4-13/16	M	4-1/2	2700
NS	1-5/16	6	N	5	3600
PS	1-3/8	6-1/2	P	6	5400
WS	1-9/16	7-1/4	W	8	7200
SS	1-5/8	8-3/4	S	10	9000
ZS	1-9/16	8-3/4	Z	12	7200

* Maximum recommended for conveyor pulley applications



QD Heavy Duty Crown Drum Pulley Part Numbers

Dia	Hub	Face Width										
		10	12	14	16	18	20	22	24	26	30	32
6	SF		208301	208302	208303	208304	208305	208306	208307	208308	208309	208310
8	SF											
	E											
	F											
10	SF		208337	208338	208339	208340	208341	208344	208347	207500	208352	207501
	E						208342	208345	208348	208350		208355
	F											208356
12	SF		208375	208377	208378	208379	207503	208383	208387	207504	208393	207505
	E						208380	208384	208388	207514	208394	207515
	F							208385	208389	208391	208395	208397
	J											208398
	M											
14	SF		208422	208423	208424	208425	208426	208431	208436	207507	208445	207508
	E								208437	208441		208450
	F						208428	208433		208442		
	J									208443		
	M											
	N											
16	SF		208474			208476	208477	208482	208487	207510	208495	207511
	E						208478		208488	207517	208496	208500
	F						208479	208484	208489	208492		208501
	J									208493		208502
	M											
	N											
	P											
18	SF		208531	208532		208534	208536	208541	208546	207513	208554	208559
	E						208537		208547	207519	208555	207520
	F						208538	208543	208548	208551		207527
	J									208552		208561
	M											208562
	N											
	P											
20	SF		208597	208598		208600	208602	208607	208612	208617		208625
	E						208603	208608	208613	207522	208621	207523
	F			223528			208604			207529	208622	207530
	J									208618	208623	208626
	M						208606			208619		208627
	N											
	P											

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QD Heavy Duty Crown Drum Pulley Part Numbers (Continued)

Dia	Hub	Face Width										
		34	36	38	40	44	46	48	51	54	57	63
6	SF		208311	208312		208313	208314	208315	208316			208319
8	SF		208330	208331			208333		208334	208335		208336
	E											
	F											
10	SF		208357	207502		208363			208369	208372	223518	223519
	E		208358	208360		208364			208370	208373		
	F			208361					208371			
12	SF		208399	207506		208406			208414			
	E		208400	207516		208407			208415			223520
	F		208401	208403		208408			208416			223521
	J					208409			208417			
	M											
14	SF		208454	207509		208464	208469					
	E			208459		208465	208470		208794			223523
	F			208460		208466			223522			
	J			208461		208467						
	M											
	N											
16	SF		208504	207512		208512	208517		208521			
	E		208505	207518		208513			208522	208527		208800
	F		208506	207526		208514			208523			
	J		208507	208510		208515			208524	208529	223524	
	M		208508			208516						
	N											
	P											
18	SF		208566	208571		208577			208587			
	E	208563	208567	207521	208575	208578			208588	208593		223526
	F	208564	208568	207528	208576	208579	208584		208589			208806
	J		208569	208573		208580			208590			223527
	M			208574		208581			208591		223525	
	N											
	P											
20	SF		208628	208633		208636						
	E		208629	207524		208637	208643		208646			
	F			207531		208638			208647			
	J		208631	208634		208639	208644		208648			
	M			208635		208640			208649			
	N			223529							223530	
	P											

QD Heavy Duty Crown Drum Pulley Part Numbers (Continued)

Dia	Hub	Face Width									
		10	12	14	16	18	20	22	24	26	30
24	SF										
	E	208654	208655	208656	208657		208659		208667	208671	208673
	F						208660	208664	208668	207532	
	J						208661				208675
	M						208662			208672	208676
	N										
	P										
30	SF										
	E			208703	208704	208705	208706				
	F			208758			208707			208717	
	J						208708			208718	
	M						208709			208719	208723
	N										
	P										
36	SF										
	E										
	F										
	J										
	M										
	N										
	P										

Dia	Hub	Face Width										
		34	36	38	40	44	46	48	51	54	57	63
24	SF											
	E		208679	208683		208688			208694	208699		
	F		208680	207534	208686	208689	208693		208695	208700		
	J			208684	208687	208690			208696			
	M			208685		208691			208697			
	N			223531		223533			223535			
	P			223532		223534			223536			
30	SF											
	E			208731		208735						
	F			207536		208736	208740		208743	208746		
	J			208732	208734	208737			208744	208747		
	M			208733		208738	208742		208745			
	N											
	P					223537			223538			
36	SF											
	E											
	F											
	J											
	M											
	N											
	P											

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Heavy Duty Drum Pulley Average Weights - HE, TAPER-LOCK, QD

Dia.	Max. Bore	Face Width										
		12	14	16	18	20	22	24	26	30	32	36
6	2.5	27	29	31	33	35	37	39	41	45	47	52
8	2.5	34	37	40	42	45	48	51	53	59	62	69
10	2.5	43	46	50	53	56	60	63	67	74	77	88
	3	49	53	56	60	63	67	70	74	80	84	94
12	2.5	52	56	60	64	69	73	77	81	89	93	107
	3	60	64	68	72	77	81	85	89	97	102	115
	3.5	75	79	83	87	92	96	100	104	112	116	129
14	2.5	62	67	72	77	82	87	91	96	106	111	128
	3	62	67	72	77	82	86	91	96	106	111	128
	3.5	85	90	95	100	105	110	114	119	129	134	150
	4	95	100	105	110	114	119	124	129	139	144	160
16	2.5	67	72	78	83	89	94	100	105	117	122	144
	3	72	77	83	88	94	99	105	111	122	127	148
	3.5	90	96	101	107	112	118	124	129	140	146	166
	4	106	112	117	123	129	134	140	145	156	162	182
	4.5	...	126	131	137	142	148	153	159	170	176	195
18	2.5	77	83	89	96	102	108	114	121	133	139	165
	3	90	97	103	109	115	122	128	134	147	153	178
	3.5	100	107	113	119	125	132	138	144	157	163	188
	4	123	131	139	148	156	164	173	181	198	206	235
	4.5	...	145	154	162	170	179	187	193	212	220	248
	5	...	...	192	201	209	217	226	234	251	259	286
20	2.5	101	111	120	129	138	148	157	166	185	194	229
	3	117	127	136	145	154	164	173	182	201	210	245
	3.5	125	134	144	153	162	171	181	190	208	218	252
	4	135	144	154	163	172	181	191	200	218	228	261
	4.5	...	159	168	177	186	196	205	214	233	242	275
	5	...	...	207	216	225	234	244	253	271	281	313
24	3	149	160	171	183	194	205	216	227	249	260	307
	3.5	167	179	190	201	212	223	234	245	268	279	325
	4	177	188	199	211	222	233	244	255	277	288	334
	4.5	...	202	213	224	235	247	258	269	291	302	347
	5	...	...	274	287	301	315	329	343	371	385	434
	6	...	...	...	386	403	419	436	453	486	502	561
30	3	204	218	232	246	260	274	288	301	329	343	409
	3.5	222	236	250	264	278	292	306	320	348	362	427
	4	253	270	287	305	344	340	357	374	409	426	498
	4.5	...	284	301	319	336	353	371	388	423	440	512
	5	...	...	340	357	374	392	409	427	461	479	550
	6	...	...	...	462	483	504	524	545	587	608	693
	7	...	...	...	536	557	578	598	619	703	724	765
	8	...	...	...	...	613	634	655	676	758	779	820

- Crown face pulleys will be provided unless straight face is specified
- These pulleys are designed to meet the CEMA Pulley Specification B105.1–1993. They are not to be used with steel cable belts or other high modulus belts.

DODGE

Heavy Duty Drum Pulley Average Weights - HE, TAPER-LOCK, QD

Face Width												
38	**40**	**44**	**46**	**51**	**54**	**57**	**60**	**63**	**66**	**72**	**75**	**78**
54	56	60	62	67	71	74	77	80	83	90	93	96
72	75	80	83	90	96	100	104	108	112	122	127	131
91	94	101	105	113	122	127	132	138	143	157	162	167
97	101	108	111	120	128	133	138	143	149	162	167	172
111	116	124	128	138	150	156	163	169	175	193	199	205
119	123	135	139	149	160	167	173	179	185	203	209	215
134	138	146	150	161	171	178	184	190	196	213	220	226
133	138	148	153	165	180	187	194	202	209	231	239	246
133	137	162	166	179	193	200	208	215	222	244	251	259
155	160	170	175	187	201	208	216	223	230	252	259	266
164	169	179	184	196	210	217	224	231	239	260	267	274
149	155	166	171	185	204	212	221	229	237	264	273	281
154	159	190	196	210	228	236	245	253	261	288	296	305
172	177	189	194	214	232	241	249	257	266	292	300	308
187	193	204	210	224	241	249	257	266	274	300	308	316
201	206	217	223	237	254	262	270	279	287	312	320	329
172	178	190	197	212	235	244	254	263	273	305	314	323
185	191	212	218	234	256	266	275	284	294	325	335	334
194	200	213	219	243	265	275	284	293	303	334	343	353
243	251	268	276	297	321	334	346	359	371	408	421	433
256	265	281	290	311	334	347	359	372	384	421	433	446
295	303	320	350	371	394	406	419	431	444	480	492	504
238	248	266	275	299	329	343	357	371	385	429	443	457
254	263	282	291	314	344	358	372	386	400	444	457	471
261	270	289	298	321	351	365	379	393	406	450	464	478
271	280	298	308	331	360	374	388	402	415	458	472	486
284	294	312	321	344	373	387	401	415	429	471	485	499
323	332	350	360	383	411	425	439	452	466	508	522	536
318	329	351	362	390	431	447	464	481	497	555	571	588
336	347	369	380	408	448	465	482	498	515	572	589	605
345	356	378	389	417	457	473	490	507	524	580	597	613
358	369	391	403	430	470	486	503	520	536	592	609	626
448	462	490	504	538	581	602	623	643	664	728	749	769
577	594	627	644	685	735	760	785	810	834	909	934	959
423	437	465	479	514	573	594	615	636	657	737	757	778
441	455	483	497	532	590	611	632	653	674	754	775	796
516	533	568	585	629	692	718	744	770	796	886	912	938
529	547	581	599	642	705	731	757	783	809	898	924	950
567	584	619	637	680	742	768	794	820	847	935	961	987
714	735	777	797	849	925	956	987	1018	1049	1156	1187	1218
786	807	849	869	921	995	1026	1057	1088	1120	1182	1213	1287
841	862	904	925	977	1049	1080	1111	1142	1174	1236	1267	1339

SELECTION

Heavy Duty Drum Pulley Average Weights - HE, TAPER-LOCK, QD

Dia.	Max. Bore	Face Width											
		12	14	16	18	20	22	24	26	30	32	36	38
36	3	292	313	334	355	376	397	417	438	480	501	617	638
	.5	310	331	352	373	394	415	436	457	498	519	635	656
	4	320	341	362	383	404	425	445	466	508	529	644	665
	4.5	...	355	376	397	417	438	459	480	522	543	657	678
	5	...	...	447	472	497	522	547	572	622	647	769	794
	6	...	...	...	546	571	596	621	646	697	722	839	864
	7	...	...	...	620	645	670	695	720	836	861	911	936
	8	...	...	...	...	702	727	752	777	891	916	966	991
	10	...	...	...	...	...	...	1221	1254	1321	1423	1490	1523
42	3.5	386	411	435	459	484	508	533	557	606	630	780	805
	4	475	504	534	563	592	621	651	680	738	768	926	956
	4.5	...	468	497	527	556	585	614	644	702	731	889	919
	5	...	...	536	565	594	623	653	682	740	770	927	956
	6	...	...	...	686	716	745	774	803	862	891	1044	1073
	7	...	...	...	846	885	924	963	1002	1195	1234	1312	1351
	8	...	...	...	...	941	980	1018	1057	1249	1288	1366	1405
	10	...	...	...	...	...	...	1398	1437	1515	1657	1735	1773
48	4	579	613	646	680	713	747	780	814	881	914	1113	1146
	4.5	...	626	660	693	727	760	794	827	894	928	1126	1159
	5	...	...	698	731	765	798	832	865	932	966	1163	1196
	6	...	...	...	803	837	870	904	937	1004	1038	1231	1264
	7	...	...	...	976	1020	1065	1109	1154	1398	1442	1531	1576
	8	...	...	...	...	1076	1120	1165	1209	1452	1497	1586	1630
	10	...	...	...	...	...	...	1592	1636	1725	1913	2002	2046
54	4.5	...	745	783	821	859	896	934	972	1047	1085	1327	1365
	5	...	...	821	859	897	934	972	1010	1085	1123	1364	1402
	6	...	...	...	1124	1174	1124	1274	1324	1425	1475	1777	1827
	7	...	...	...	...	1246	1296	1346	1396	1697	1747	1847	1897
	8	...	...	...	...	1301	1351	1401	1451	1750	1800	1901	1951
	10	...	...	...	...	...	...	1803	1853	1953	2191	2291	2341
60	4.5	...	1283	1338	1394	1450	1506	1561	1617	1729	1784	2155	2210
	5	...	...	1375	1431	1847	1543	1598	1654	1765	1821	2191	2246
	6	...	...	...	1497	1552	1608	1664	1720	1831	1887	2251	2306
	7	...	...	...	1567	1622	1678	1734	1790	2151	2207	2319	2374
	8	...	...	...	...	1676	1732	1788	1844	2204	2259	2371	2427
	10	...	...	...	...	...	...	2030	2086	2198	2491	2602	2658

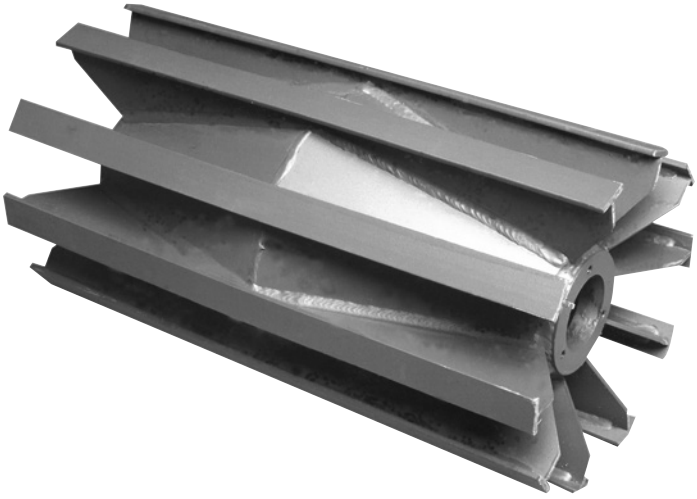
- Crown face pulleys will be provided unless straight face is specified
- These pulleys are designed to meet the CEMA Pulley Specification B105.1–1993. They are not to be used with steel cable belts or other high modulus belts.

Heavy Duty Drum Pulley Average Weights - HE, TAPER-LOCK, QD

Dia.	Max. Bore	Face Width											
		40	44	46	51	54	57	60	63	66	72	75	78
36	3	659	701	721	774	879	910	942	973	1004	1141	1173	1204
	3.5	676	718	739	791	896	928	959	990	1022	1158	1189	1221
	4	685	727	748	800	905	936	967	999	1030	1165	1197	1228
	4.5	699	740	797	850	953	984	1016	1047	1078	1213	1245	1276
	5	819	869	894	957	1066	1103	1141	1178	1216	1362	1400	1437
	6	889	939	964	1206	1131	1169	1206	1244	1281	1423	1461	1499
	7	961	1011	1036	1099	1201	1239	1276	1314	1351	1427	1464	1567
	8	1016	1066	1091	1154	1255	1293	1330	1368	1405	1480	1518	1620
	10	1556	1623	1656	1739	1858	1908	1958	2008	2058	2157	2207	2326
42	3.5	829	878	902	1014	1151	1188	1225	1261	1298	1472	1509	1545
	4	985	1043	1073	1046	1290	1334	1377	1421	1465	1653	1697	1741
	4.5	946	1006	1085	1158	1302	1346	1390	1433	1477	1665	1708	1752
	5	985	1044	1073	1146	1289	1333	1377	1421	1464	1651	1696	1739
	6	1103	1161	1190	1263	1402	1446	1490	1533	1577	1760	1803	1847
	7	1389	1467	1506	1603	1777	1836	1894	1952	2011	2127	2186	2360
	8	1444	1521	1560	1658	1830	1888	1947	2005	2063	2180	2238	2411
	10	1812	1890	1929	2026	2188	2246	2304	2362	2421	2538	2596	2758
48	4	1180	1247	1280	1364	1546	1596	1646	1696	1747	1979	2029	2079
	4.5	1193	1259	1293	1377	1558	1608	1658	1709	1759	1990	2040	2091
	5	1230	1297	1330	1414	1595	1645	1695	1745	1795	2026	2076	2126
	6	1298	1364	1398	1462	1658	1708	1758	1808	1859	2085	2135	2186
	7	1620	1709	1754	1865	2087	2154	2221	2287	2354	2468	2554	2777
	8	1675	1764	1808	1919	2140	2207	2273	2340	2407	2540	2607	2828
	10	2091	2180	2224	2335	2545	2612	2679	2745	2812	2946	3012	3222
54	4.5	1402	1478	1515	1610	1833	1890	1946	2003	2059	2339	2396	2452
	5	1440	1515	1553	1647	1870	1926	1983	2039	2096	2375	2431	2468
	6	1878	1978	2028	2153	2431	2506	2581	2656	2732	3084	3160	3235
	7	1947	2048	2098	2223	2498	2573	2649	2724	2799	2949	3024	3350
	8	2001	2101	2151	2277	2550	2625	2701	2776	2851	3001	3077	3550
	10	2391	2492	2542	2667	2930	3005	3080	3155	3231	3381	3456	3719
60	4.5	2266	2378	2433	2573	2915	2999	3082	3166	3249	3675	3759	3843
	5	2302	2414	2469	2609	2950	3034	3117	3201	3285	3710	3793	3877
	6	2362	2474	2529	2669	3005	3089	3172	3256	3339	3759	3843	3926
	7	2430	2541	2597	2737	3070	3154	3238	3321	3405	3572	3656	3989
	8	2482	2594	2650	2789	3121	3205	3288	3372	3456	3623	3707	4039
	10	2714	2825	2881	3021	3342	3426	3509	3593	3676	3844	3927	4249

SELECTION/DIMENSIONS

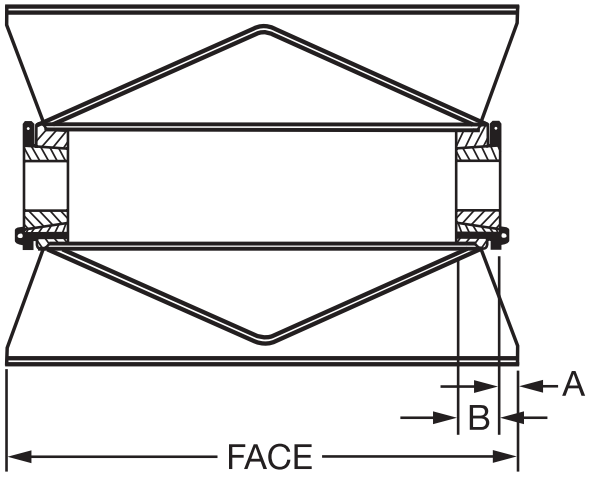
HE Heavy Duty Wing Pulleys



- Designed to CEMA specifications
- Standard crown face or straight face available
- 6” - 60” diameter and face widths exceeding 100”. Others available upon request.
- HE bushing system designed specifically for Dodge conveyor pulleys
- Most dependable mounting system for conveyor pulleys
- Available with replaceable WING-LAG, vulcanized lagging, or replaceable weld-on strip lagging
- Available from stock

HE Dimensions

Hub	A	B	Bushing	Max. Bore	Screw Torque (in.-lb.)
HE25	1	1.80	HE25	2-1/2	360
HE30	3/4	2.20	HE30	3	720
HE35	3/4	2.78	HE35	3-1/2	1080
HE40	3/4	2.93	HE40	4	1680
HE45	3/4	3.20	HE45	4-1/2	1680
HE50	3/4	3.70	HE50	5	2400
HE60	1	3.95	HE60	6	4200
HE70	1	4.45	HE70	7	6000
HE80	1-1/4	5.20	HE80	8	6000



HE Heavy Duty Crown Wing Pulley Part Numbers

DIA	Hub	FACE WIDTH											
		8	10	12	14	16	18	20	22	24	26	28	30
8	HE25	206190	209652	209653	206193	209655	209656	206196	206197	206198	206199	223565	206204
10	HE25 HE30 HE35			206228	206229	206237	209657	206200	206239	206244	206201 203455	206332	206248
12	HE25 HE30 HE35 HE40			209659	206255	206256 206367	206257 206368	206205 209660	206258 206370	206259 206371	206206 206212 223573	223574	206260 206373
14	HE25 HE30 HE35 HE40 HE45 HE50		206265 206379	206266 206380	206381	206268 206382	206269 206383	209664 206384	206270 206385	206271 206386	206216 206387 223581		206272 206388
16	HE25 HE30 HE35 HE40 HE45 HE50		206279 206396	209669 206397	206286 206398	206287 206399	206288 206400	206220 209670	206289 206402	206295	206221 206222 209671 209672	223596 223597 223598	206404
18	HE25 HE30 HE35 HE40 HE45 HE50 HE60			209675 206412	206308 206413	206309 206414	206312 206415	209676 206416	206313 206417	206314 206418	206231 206232 209677 223613	223614 223615	206316 206419 223616
20	HE25 HE30 HE35 HE40 HE45 HE50 HE60			209681 206428	209682 206429	209683 206430	206328 209684	209685 206432	206330 206433	206331 206434	206240 206241 206492 223629	223630 223631	223632
24	HE25 HE30 HE35 HE40 HE45 HE50 HE60 HE70				209691 206442	206342 206443	206343 206444	206344 206445	206345 206446		206346 206447 206502 206524	223646 223647	
30	HE25 HE30 HE35 HE40 HE45 HE50 HE60 HE70				206355 206455	206356 206456	206357 206457	206358 206458			206359 206459		
36	HE30 HE35 HE40 HE45 HE50 HE60					206471 206515 206539	206472						

SELECTION

DODGE

HE Heavy Duty Crown Wing Pulley Part Numbers

DIA	Hub	FACE WIDTH											
		32	34	36	38	40	42	44	46	51	54	57	63
8	HE25	206213		206158	206214			206219	207573	223566			205577
10	HE25	206202	206249	206250	206203	206251	206252	206253	207575	207418			223571
	HE30	207972			207566		207574	207567		207568		223569	205580
	HE35				223567					205579		223570	205580
12	HE25	206207	206261	206595	206208	206262		206210	206263	206264		209662	209663
	HE30	206374	206375		206209	206376		206211	206377	206378			206599
	HE35	209661			223575			223577		223579		223580	203094
	HE40				223576			223578					
14	HE25	206217	206273	206274	206218	206276		206277		206278			223593
	HE30	206389	206390	206391	206392	206393		206394	223586	206395	223589	223590	208974
	HE35	203482			209665			209666		209668		223591	223594
	HE40				223582			223585		223587		223592	223595
	HE45				223583					223588			
	HE50				223584								
16	HE25	206223	206297	206298	206225	206299		206303		206305		206306	223608
	HE30	206224	206405	206406	206226	206407		206408	206409	206410		206411	223609
	HE35	209673		206478	206227	206547		206480	206481	206482		206483	223610
	HE40	203483			209674	223600		223602		223604		223606	207400
	HE45				223599	223601		223603		223605		223607	223611
	HE50												223612
18	HE25	206233	206317	206318	206235	206319		206320	206321	206322		206323	206324
	HE30	206234	206420	206421	206236	206422		206423	206424	206425		206426	209680
	HE35	207402		206484	206485	206486		206487		209679		206490	206491
	HE40	209678			207569	223619		207570		207571			207406
	HE45				223617	223620		223621	223623	207404		223625	223626
	HE50				223618			223622		223624			223627
	HE60												223628
20	HE25	206242			206334	206335		206336	206337	206338			
	HE30	207407		206435	206243	206436		206437	206438	206439		206440	209690
	HE35	209686		206494	206495	206496		206497	206498	206499		206500	206501
	HE40	209687			207572	223635		207408		207410		223642	207411
	HE45				223633	223636		209688	223639	209689		223643	223645
	HE50				223634			223637		223640		223644	207412
	HE60							223638		223641			
24	HE25	206347		206348	206349			206350		206352			
	HE30	206448		206449	206245			206450		206452		206453	206454
	HE35	209692		206504	206246			206247	206505	206506		206507	206508
	HE40	206525		206526	206527	223651		206528	206529	206530		206531	206532
	HE45				223649	223652		209693	223655	223656		223659	223661
	HE50				223650			223653		223657		223660	223662
	HE60			223648						223658			223663
	HE70							223654					
30	HE25	206360								206363			
	HE30	206460			206461			206462		206463		206464	
	HE35	206510			206511			206512		206513			
	HE40	206534			206535			206536		206537		206538	
	HE45				207416			203484		223665			
	HE50							223664		223666		223667	
	HE60									203485		223668	207417
	HE70											223669	
36	HE30									206476			
	HE35									206522		206523	
	HE40				206543			206544		206545		206546	
	HE45												
	HE50												
	HE60									203486			

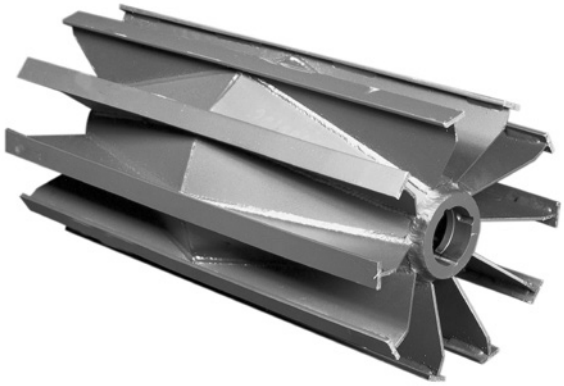
HE Heavy Duty Straight Wing Pulley Part Numbers

Dia	Hub	Face Width												
		22	26	28	32	36	38	40	44	46	51	54	57	63
6	HE25													
8	HE25 HE30 HE35	223670	223671		223672									
10	HE25 HE30 HE35													
12	HE25 HE30 HE35 HE40 HE45		223673		223674		223675		223676		223677			
14	HE25 HE30 HE35 HE40 HE45 HE50				223678 223679		223680	223681						
16	HE25 HE30 HE35 HE40 HE45 HE50 HE60		223682 223683		223684		223685 223686		223687			223690 223691		
18	HE25 HE30 HE35 HE40 HE45 HE50 HE60 HE70		223692	223693	223694 223695	223696	223697 223698 223699			223700	223701		223702	223703 223704
20	HE25 HE30 HE35 HE40 HE45 HE50 HE60 HE70 HE80				223705		223706	223707	223708		223709	223710 223711	223712	223713
24	HE25 HE30 HE35 HE40 HE45 HE50 HE60 HE70 HE80			223714	223715 223716					223717	223719			
30	HE25 HE30 HE35 HE40 HE45 HE50 HE60 HE70 HE80								223720	223721				

FEATURES/BENEFITS PAGE PT15-2	SPECIFICATION PAGE PT15-4	NOMENCLATURE PAGE PT15-7	SELECTION/DIMENSIONS PAGE PT15-10

SELECTION/DIMENSIONS

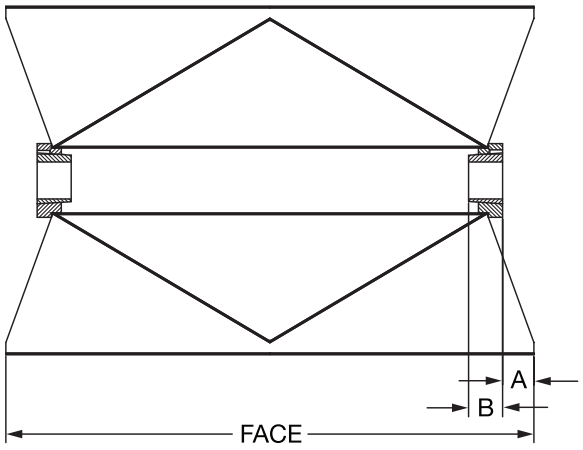
TAPER-LOCK Heavy Duty Wing Pulleys



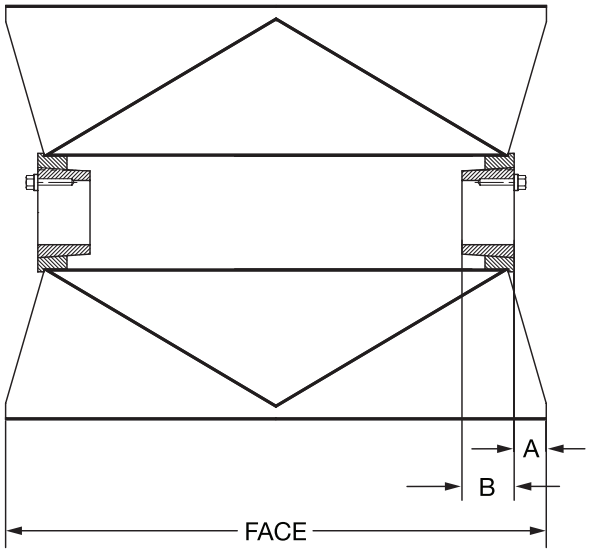
- Designed to CEMA specifications
- Standard crown face or straight face available
- 6” - 60” diameter and face widths exceeding 100”. Others available upon request.
- Flush mount, compact design mounting system
- Available with replaceable WING-LAG, vulcanized lagging, or replaceable weld-on strip lagging
- Available from stock

TAPER-LOCK Dimensions

Hub	A	B	Bushing	Max. Bore	Screw Torque (in.-lb.)
W16	1-5/8	1-1/2	1615	1-5/8	175
W25	1-1/2	1-3/4	2517	2-1/2	430
K30	1-3/4	2	3020	3	1800
K35	2-3/4	3-1/2	3535	3-1/2	1000
K40	2-3/4	4	4040	4	1750
K45	2-5/8	4-1/2	4545	4-1/2	2450
K50	3-3/8	5	5050	5	3100
K60	3-3/8	5	6050	6	7820
K70	3-1/4	6	7060	7	7820
K80	3-1/4	6-1/2	8065	8	7820



W16 through K50



K60 through K80

TAPER-LOCK Heavy Duty Crown Wing Pulley Part Numbers

Dia	Hub	Face Width										
		8	10	12	14	16	18	20	22	24	26	28
8	W25		207644	207645	207646	207647	207648	207649	207650	207651	207652	
10	W25 K30 K35			207657	207658	207659	207660	201000	207661	207662	201001 223722	
12	W25 K30 K35 K40			207669	207670 206876	207671	207672	201004 206879	207673 206880	207674 206881	201005 206882	
14	W25 K30 K35 K40 K45 K50		207681	207682	207683	207684	207685	201012	207686	207687	201013 206897	207433
16	W25 K30 K35 K40 K45 K50		207694	207695	207696	207697 206923	207698	201018	207699 206926	207700 206927	201019 201020 207435	
18	W25 K30 K35 K40 K45 K50 K60			207709	207710	207711	206939	206940	207713 206968	207714	201031 201032 207441	
20	W25 K30 K35 K40 K45 K50 K60	207446	207447	207724 206979	207725 206980	207726 206981	207727	207728	207729	207730	206562	
24	W25 K30 K35 K40 K45 K50 K60 K70				207738 207600	207739 207601	207740 207602	207741 207603	207604		207743 201043 206852	
30	W25 K30 K35 K40 K45 K50 K60 K70					207753 207612	207754				207615	
36	K30 K35 K40 K45 K50 K60					207621	207622 206588 206868					

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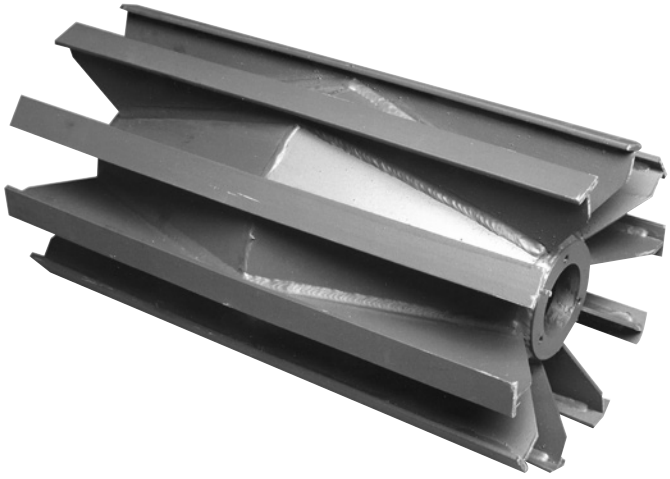
SELECTION

TAPER-LOCK Heavy Duty Crown Wing Pulley Part Numbers (continued)

Dia	Hub	Face Width										
		30	32	34	36	38	40	44	46	51	57	63
8	W25	207653	207654			207655		207656				
10	W25 K30 K35	207663	201002	207664	207665	201003	207666	207668				
12	W25 K30 K35 K40	207675 206883	201006 201007 207430	207676		201008 201009	206885	207678 206886 207432	207679 206887	207680 206888		
14	W25 K30 K35 K40 K45 K50	207688	201014 201015		207690	201016 206916 223723	207691 206917	207692 206918		206919		
16	W25 K30 K35 K40 K45 K50	207701 206928	201021 201022 223724	207702 206929	207703 206930 206548	201023 201024 207436 207437	206931 206549	207705 206932 206550 207438		207707 206934 206552	207708 206935 206553	
18	W25 K30 K35 K40 K45 K50 K60	207715 206970	201033 201034 207442	207716	207717 206972	201035 201036 206555 207443 223725	206556	207719 206974 206557 223726	206975 206558	207721 206976 206559	206977 206560	223727 206561
20	W25 K30 K35 K40 K45 K50 K60		201040 206563 207448		207731	201042 206565 207449	206566	206988 206567 207450 207451		206990	206570	206571
24	W25 K30 K35 K40 K45 K50 K60 K70		207744 206573 206853		207605 206574 206854	207746 201045 206575 206855 207456		207606 206576 206856		207608 206578 206858	206579 207457	207610 206580 206860
30	W25 K30 K35 K40 K45 K50 K60 K70		207616 206582			207617		206864		206585	207761	
36	K30 K35 K40 K45 K50 K60											

QD Heavy Duty Wing Pulleys

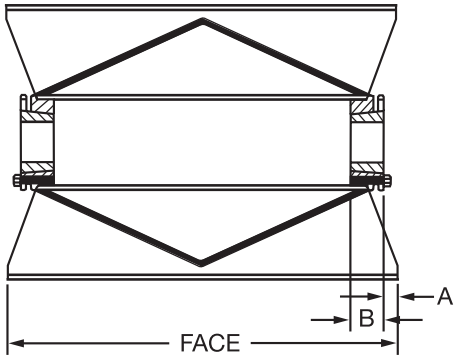


- Designed to CEMA specifications
- Standard crown face or straight face available
- 6” to 60” diameter and face widths exceeding 100”. Others available upon request.
- Flange mount bushing system
- Available with replaceable WING-LAG, vulcanized lagging, or replaceable weld-on strip lagging
- Available from stock

QD Dimensions

QD Hub	A	B	Bushing	Max. Bore*	Screw Torque (in.-lb.)
SF	3/4	2-1/16	SF	2-1/2	360
E	7/8	2-3/4	E	3	720
F	15/16	3-3/4	F	3-1/2	900
JS	1-1/16	3-3/8	J	4	1620
MS	1-9/16	4-13/16	M	4-1/2	2700
NS	1-1/4	6	N	6	3600
PS	1	6-1/2	P	7	5400

* Maximum recommended for Conveyor Pulley applications



Conveyor Components
Engineering
Part Number Index
Keyword Index

SELECTION

QD Heavy Duty Crown Wing Pulley Part Numbers

Dia	Hub	Face Width										
		10	12	14	16	18	20	22	24	26	30	32
6	SF											
8	SF E F	208001	208002	208003	208004	208005	208006	208007	208008	208009	208010	208011
10	SF E F		208014	208015	208016	208017	208018	208019	208020	207350	208021	207351
12	SF E F J M		208027	208029 208030	208031	208033 208034	207353 208035	208036 208037	208038 208039	207354 207355	208040 208041	207356 207357
14	SF E F J M N	208052	208054	208056	208058		207359	208063	208065	207360 207361	208067 208068	207362 207363
16	SF E F J M N P	208079	208081	208083 208084	208085 208086	208087	208089 208090	208091	208093	207366 207367 223738 223739	208095 208096	207368 207369 208766 223740
18	SF E F J M N P		208117	208119 208120	208121 208122	208769	208124 208125	208126 208127	208128	207371 207372 223745 223746	208130 208131	207376 207373 223747 223748

QD Heavy Duty Crown Wing Pulley Part Numbers

Dia	Hub	Face Width									
		34	36	38	40	42	44	46	51	57	63
6	SF										
8	SF			208012			208013				
	E										
	F										
10	SF		208023	207352		208025	208026		208762	223732	223734
	E						208761		223731		223733
	F										
12	SF	208042		207378	208044		208046		208050		
	E			207358	208045		208047		208051		
	F			223735					223737		
	J			223736							
	M										
14	SF			207364	208073		208075		208077		208765
	E			207365	208074		208076		208078		
	F			208764							
	J										
	M										
	N										
16	SF	208097	208099	208767	208102		208105		208111	208114	
	E		208100	207370	208103		208106		208112	208115	208768
	F		208101	223741	208104		208107	208110	208113		
	J			223742			223743				
	M										
	N										
	P										
18	SF	208132	208134	207377	208137		208140		208146	208149	
	E		208135	207374	208138		208141	208144	208147	208150	208153
	F			207375			208142	208145	208148	208151	208154
	J			223749			223750		208770		
	M								223751		
	N										
	P										

Conveyor Components
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SELECTION

QD Heavy Duty Crown Wing Pulley Part Numbers

Dia	Hub	Face Width										
		10	12	14	16	18	20	22	24	26	30	32
20	SF		208155	208157	208159	208161	208163	208165	208167	208169		208172
	E			208158	208160	208162	208164			208170		208173
	F					208771				208171		208174
	J											
	M											
	N											
	P											
24	SF			208199	208201	208203	208205	208207		208209		208213
	E			208200	208202		208206			208210		208214
	F									208211		208215
	J											208216
	M											
	N											
	P											
30	SF			208245	208247		208251			208253		
	E			208246	208248		208252			208254		
	F											208259
	J											208260
	M											
	N											
	P											
36	SF											
	E				208277	208280						
	F					208281						
	J				208279							
	M											
	N											
	P											

QD Heavy Duty Crown Wing Pulley Part Numbers

Dia	Hub	Face Width									
		34	36	38	40	42	44	46	51	57	63
20	SF			208178			208184		208190		
	E		208176	208179	208182		208185		208191		208197
	F			208180	208183		208186		208192	208195	208198
	J			223752			208772		208775		
	M						208773				
	N										
	P										
24	SF			208221							
	E		208218	208222			208226		208234		208242
	F			208223			208227	208231	208235	208239	208243
	J		208220	208224			208228		208236	208240	208244
	M						223753		223754		
	N						208776		208777	208778	
	P										
30	SF			208261					208269		
	E			208262			208266		208270		
	F			208263			208267		208271		
	J			208264			208268		208272		
	M										
	N										
	P										
36	SF										
	E			208289					208295		
	F						208293		208296	208299	
	J			208291					208297	208300	
	M										
	N										
	P										

Conveyor Components
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SELECTION

QD Heavy Duty Crown Wing Pulley Part Numbers

Dia	Hub	Face Width										
		10	12	14	16	18	20	22	24	26	30	32
20	SF		208155	208157	208159	208161	208163	208165	208167	208169		208172
	E			208158	208160	208162	208164			208170		208173
	F					208771				208171		208174
	J											
	M											
	N											
	P											
24	SF			208199	208201	208203	208205	208207		208209		208213
	E			208200	208202		208206			208210		208214
	F									208211		208215
	J											208216
	M											
	N											
	P											
30	SF			208245	208247		208251			208253		
	E			208246	208248		208252			208254		
	F											208259
	J											208260
	M											
	N											
	P											
36	SF											
	E				208277	208280						
	F					208281						
	J				208279							
	M											
	N											
	P											

QD Heavy Duty Crown Wing Pulley Part Numbers

Dia	Hub	Face Width									
		34	36	38	40	42	44	46	51	57	63
20	SF			208178			208184		208190		
	E		208176	208179	208182		208185		208191		208197
	F			208180	208183		208186		208192	208195	208198
	J			223752			208772		208775		
	M						208773				
	N										
	P										
24	SF			208221							
	E		208218	208222			208226		208234		208242
	F			208223			208227	208231	208235	208239	208243
	J		208220	208224			208228		208236	208240	208244
	M						223753		223754		
	N						208776		208777	208778	
	P										
30	SF			208261					208269		
	E			208262			208266		208270		
	F			208263			208267		208271		
	J			208264			208268		208272		
	M										
	N										
	P										
36	SF										
	E			208289					208295		
	F						208293		208296	208299	
	J			208291					208297	208300	
	M										
	N										
	P										

Conveyor Components
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SELECTION

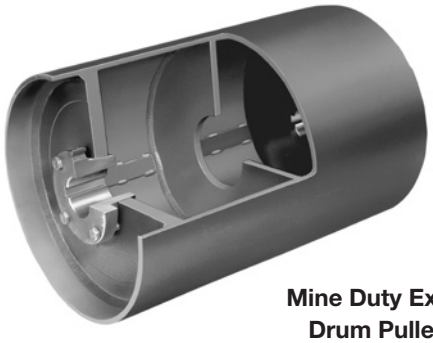
Heavy Duty Wing Pulley Average Weights - HE, TAPER-LOCK and QD

Dia.	Max. Bore	Face Width									
		12	14	16	18	20	22	24	26	30	32
24	2.5	175	198	220	243	267	290	314	337	385	409
	3	186	208	230	253	275	298	321	344	391	414
	3.5	192	213	234	256	278	300	322	345	390	412
	4	198	220	242	265	288	311	334	358	405	429
	4.5	...	232	254	277	300	324	347	371	419	443
	5	...	...	285	307	330	353	376	399	446	470
	6	...	...	...	375	397	419	442	464	510	533
30	2.5	281	318	354	391	429	466	504	542	618	656
	3	291	326	362	398	434	471	508	545	619	657
	3.5	295	329	363	398	434	469	505	541	614	650
	4	298	333	368	404	440	476	513	549	623	660
	4.5		343	378	414	450	486	523	559	633	670
	5	...	...	406	441	476	511	548	582	654	691
	6	...	...	...	503	537	571	605	640	709	744
	7	...	...		559	592	625	658	691	758	792
	8	...	...	...	...	630	663	697	731	800	834
36	3	452	510	568	627	686	745	804	864	984	1044
	3.5	453	509	566	623	680	738	795	854	970	1029
	4	453	509	566	623	680	738	796	854	971	1029
	4.5	...	517	547	630	686	744	801	859	975	1033
	5	...	...	596	651	706	762	817	874	987	1044
	6	...	...	...	705	758	812	866	920	1028	1083
	7	...	...	...	754	805	856	908	959	1064	1117
	8	...	...	...	...	830	881	932	983	1086	1138

Heavy Duty Wing Pulley Average Weights - HE, TAPER-LOCK and QD

Dia.	Max. Bore	Face Width										
		36	38	40	44	46	51	54	57	60	63	66
24	2.5	457	482	506	555	579	640	676	713	750	787	823
	3	461	485	508	556	579	639	674	710	746	782	818
	3.5	458	481	504	550	573	630	665	700	734	769	804
	4	477	501	525	573	597	657	694	730	766	803	839
	4.5	491	515	539	588	612	673	710	746	783	819	856
	5	517	541	564	612	636	695	731	767	803	839	875
	6	579	602	625	671	694	752	787	821	856	891	926
30	2.5	733	772	811	889	928	1025	1084	1142	1201	1260	1319
	3	732	770	808	884	922	1017	1074	1132	1189	1247	1304
	3.5	723	760	797	871	908	1001	1056	1112	1168	1224	1280
	4	735	773	810	886	923	1018	1075	1132	1189	1246	1303
	4.5	745	782	820	895	933	1028	1084	1141	1198	1255	1312
	5	764	800	837	911	948	1040	1095	1151	1207	1262	1318
	6	815	850	886	957	993	1082	1136	1190	1243	1297	1351
	7	860	895	929	998	1032	1119	1170	1222	1274	1326	1378
	8	904	939	974	1044	1079	1167	1220	1272	1325	1378	1431
36	3	1165	1225	1286	1408	1469	1621	1713	1805	1897	1989	2082
	3.5	1147	1206	1265	1384	1443	1592	1682	1772	1861	1951	2041
	4	1147	1207	1266	1385	1445	1594	1684	1774	1864	1954	2044
	4.5	1150	1209	1268	1386	1446	1594	1683	1772	1862	1951	2041
	5	1158	1215	1273	1388	1446	1590	1677	1764	1852	1939	2026
	6	1193	1249	1304	1415	1471	1610	1694	1778	1862	1946	2031
	7	1223	1276	1329	1436	1490	1624	1705	1786	1867	1948	2029
	8	1243	1296	1349	1454	1508	1640	1720	1800	1880	1961	2041

Mine Duty Extra Drum Pulleys

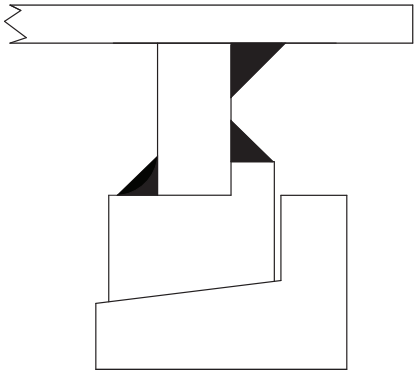


Mine Duty Extra Drum Pulley

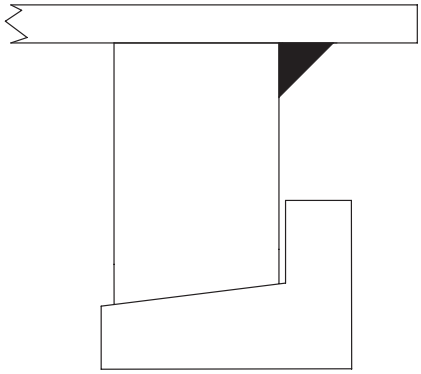
Mine Duty Extra Drum Pulley

- Integral one-piece end discs are machined, drilled and tapped to accept bushing and bushing bolts, serving as the hub and end disc in one piece, eliminating the hub to end disc weld - the most common failure point on a conveyor pulley
- Standard crown face or straight face available
- 6” - 60” diameter and face widths exceeding 100”. Others available upon request.
- HE bushing system - 14° taper - designed specifically for Dodge conveyor pulleys
- Greater capacity than standard competitors' mine duty pulleys
- Available in spiral drum construction
- Increased rim thickness over CEMA construction

Mine Duty Pulley Types



Welded Hub Design



Integral Hub Design

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SELECTION

Mine Duty Extra Crown Drum Pulley Part Numbers

Dia	Hub	Face Width						
		20	24	26	30	32	36	38
6	HE25							
8	HE25 HE30 HE35							
10	HE30 HE35			209864		223984		
12	HE30 HE35 HE40 HE45			205917 205918 223991		208831 205919 223993		208844 208845 209866
14	HE30 HE35 HE40 HE45 HE50			205924 224003		208833 224004 224005		208847 205925 205926
16	HE30 HE35 HE40 HE45 HE50 HE60	224013		205934 205935 205705		208835 205936 205937		208849 205938 205939 224015 224016
18	HE30 HE35 HE40 HE45 HE50 HE60 HE70			205945 205946 209874 224027 224028	224031	208837 205947 205948 224032	224033 224034	208850 208851 208852 224035 209875
20	HE30 HE35 HE40 HE45 HE50 HE60 HE70 HE80		224056 224057 224058	205955 205956 224059		208838 208839 205958 209878		208853 208854 208855 224060 209879 224061
24	HE30 HE35 HE40 HE45 HE50 HE60 HE70 HE80			205965 205967 205968 205575		208840 208841 208842 224091 224092 224093	 224095 224096 224097	205969 208856 208857 208858 209884 224099
30	HE30 HE35 HE40 HE45 HE50 HE60 HE70 HE80					224129 205976 205977 209889	 224130	 205978 209890 224131 224132 224133
36	HE30 HE35 HE40 HE45 HE50 HE60 HE70 HE80							 224152

Mine Duty Extra Crown Drum Pulley Part Numbers (continued)

Dia	Hub	Face Width						
		40	44	46	51	54	57	63
6	HE25							
8	HE25							
	HE30							
	HE35							
10	HE30		223986					
	HE35				223987			
12	HE30		208860	223994	205922		223996	224000
	HE35		205920		209867		223997	224001
	HE40	205900			223995			
	HE45						223998	
14	HE30	224006	205928		205931			224010
	HE35		205929		205932			224011
	HE40		224007	205901	224008			
	HE45							
	HE50				224009			
16	HE30	224017	208862		205941			209873
	HE35	209870	208863		205942			224024
	HE40	205902	208864	205904	205943	224020	224021	224025
	HE45		209871		209872		224022	224026
	HE50	205903	224018	205905	224019			
	HE60						224023	
18	HE30	224036	208865	224041	205951			
	HE35	205906	208866	224042	205952		224047	224051
	HE40	205907	205950	205909	205953		224048	224052
	HE45	205908	224038	224043	224045		224049	224053
	HE50		224039	205910	209876		209877	224054
	HE60		224040		224046		224050	
	HE70							
20	HE30	224062	205960		205961			
	HE35	224063	208867	224069	205962			205897
	HE40	224064	208868	224070	205963	224076	224080	224084
	HE45	205911	209880	224071	209882	224077	224081	224085
	HE50	205912	224067	209881	224073	224078	224082	209883
	HE60	224065	224068	224072	224074		224083	224086
	HE70				224075	224079		224087
	HE80							
24	HE30		205970		205972			
	HE35	224100	205971	224105	205973		224117	224122
	HE40	209885	208869	224106	205974	224112	209887	224123
	HE45	224101	208870	224107	205975	224113	209888	224124
	HE50	205913	224102	205914	209886	224114	224118	224125
	HE60		224103	205915	224109	224115	224119	224126
	HE70		224104		224110	224116	224120	224127
	HE80						224121	224128
30	HE30							
	HE35							
	HE40		224134		224139			
	HE45		209892		209894			224147
	HE50	209891	209893		209895		224144	224148
	HE60		224135	224137	224140	224143	224145	224149
	HE70		224136		224141		224146	224150
	HE80			224138	224142			224151
36	HE30							
	HE35							
	HE40							
	HE45		224153					
	HE50		224154		224159			
	HE60		224155		224160	224163	224164	224165
	HE70		224156		224161			224166
	HE80		224157	224158	224162			224167

SELECTION

Mine Duty Extra Crown Drum Pulleys With Lagging Part Numbers

Dia	Hub	Lagging	Face Width						
			26	32	38	40	44	46	51
10	HE30	3/8 HBG							
	HE35	3/8 HBG							
12	HE30	3/8 HBG		208871	209519		208888		
	HE35	3/8 HBG	205629	205630	208877				
	HE40	3/8 HBG				208883			
	HE45	3/8 HBG							
14	HE30	3/8 HBG		208872	208878				
	HE35	3/8 HBG	205631	205632	205633				
	HE40	3/8 HBG							
	HE45	3/8 HBG							
	HE50	3/8 HBG							
16	HE30	3/8 HBG		208873	208879				
	HE35	3/8 HBG	205634	205635	205637		205639		
	HE40	3/8 HBG		205636	205638		208889		
	HE45	3/8 HBG							
	HE50	3/8 HBG				208884		208893	
	HE60	3/8 HBG							
18	HE30	3/8 HBG		208874					
	HE35	3/8 HBG	205640	205643	205646		208890		205651
	HE40	3/8 HBG	205641	205644	208880		205648		205652
	HE45	3/8 HBG	205642	205645	205647	208885	205649		205653
	HE50	3/8 HBG					205650	208894	205654
	HE60	3/8 HBG							
	HE70	3/8 HBG							
20	HE30	3/8 HBG							
	HE35	3/8 HBG	205655	208875					
	HE40	3/8 HBG		205656	208881		208891		
	HE45	3/8 HBG		205657	205658		205659		205661
	HE50	3/8 HBG					205660	208886	205662
	HE60	3/8 HBG							
	HE70	3/8 HBG							
	HE80	3/8 HBG							
24	HE30	3/8 HBG							
	HE35	3/8 HBG							
	HE40	3/8 HBG	205663	208876	208882				
	HE45	3/8 HBG		205664	205665		208892		205667
	HE50	3/8 HBG				208887	205666		205668
	HE60	3/8 HBG						208895	
	HE70	3/8 HBG							
	HE80	3/8 HBG							

Mine Duty Extra Wing Pulleys

Mine Duty Extra Wing Pulleys were developed to support the most rugged wing pulley applications in the quarry and mining industries. These pulleys are designed with a rigid end disc design that incorporates our proven HE bushing system. They are designed to reduce wing folding by minimizing the wing height. The Mine Duty Extra Wing pulleys far exceed the product life expectancy of other wing pulleys.

- 3/4" x 2" contact bars
- 3/8" wing thickness
- Up to 25% more belt contact area
- 5" maximum wing height (through 42" OD)

Options

- AR400 contact bars available upon request
- Weld-on strip lagging is also available upon request

SELECTION

MDX Crown Wing Pulley Part Numbers

Dia	Hub	Face Width								
		20	22	24	26	30	32	36	38	40
10	HE25		205518	205283	205811		205812	203100	205813	
	HE30				205817		205818	203101	205819	
12	HE25				205823		205824	203106	205825	
	HE30	205845			205829		205830	203107	205831	
	HE35				205835		205836	203108	205837	
14	HE25				205377		205378	203115	205379	
	HE30				205592		205593	203116	205594	
	HE35				205598		205599	203117	205600	
	HE40									
	HE45									
16	HE25				205382		205383	203125	205384	
	HE30				205387		205388	203126	205389	
	HE35				205195		205196	203127	205197	
	HE40				205604		205605	203128	205606	205841
	HE45				205610		205611	203129	205612	
	HE50									
18	HE25				205394		205395	203142	205396	
	HE30			205690	205400		205401	203143	205402	
	HE35				205198		205199	203144	205200	
	HE40				205495		205496	203145	205497	205510
	HE45				205616		205617	203146	205618	205691
	HE50									
	HE60									
20	HE30				205408		205409	203158	205410	
	HE35				205202		205414	203159	205415	
	HE40				205419		205203	203160	205204	205700
	HE45				205421		205422	203161	205423	205698
	HE50				203157		205622	203162	205623	
	HE60									
24	HE30				203202		205427	203170	205428	
	HE35						205432	203171	205433	
	HE40						205437	203172	205438	205516
	HE45						205442	203173	205443	
	HE50						205445	203174	205446	
	HE60						205450		205451	
	HE70									
30	HE35					205485			205455	
	HE40								205459	
	HE45								205463	
	HE50								205467	
	HE60								205471	
	HE70									
36	HE35									
	HE40									
	HE45									
	HE50									
	HE60									
	HE70									

MDX Crown Wing Pulley Part Numbers

Dia	Hub	Face Width								
		44	46	50	51	52	54	57	60	63
10	HE25	205814			205815		203102	203104		205816
	HE30	205820			205821		203103	203105		205822
12	HE25	205826			205827		203109	203112		205828
	HE30	205832			205833		203110	203113		205834
	HE35	205838	203200		205839	203201	203111	203114		205840
14	HE25	205380			205381		203118	203121		203124
	HE30	205595		203196	205596		203119	203122		205597
	HE35	205601			205602		203120	203123		205603
	HE40									205695
	HE45	205677								
16	HE25	205385			205386		203130	203135		203140
	HE30	205390			205391		203131	203136		203141
	HE35	205392			205393		203132	203137		205627
	HE40	205607			205608		203133	203138		205609
	HE45	205613	205842		205614	205843	203134	203139		205615
	HE50	205696								
18	HE25	205397			205398		203147	203152		205399
	HE30	205403			205404		203148	203153		205405
	HE35	205201			205406		203149	203154	205694	205407
	HE40	205498			205499		203150	203155		205500
	HE45	205619	205692		205620	205511	203151	203156		205621
	HE50	205693	205844		203197					
	HE60									
20	HE30	205411			205412		203163			205413
	HE35	205416			205417		205512	203167		205418
	HE40	205205	203199		205206	205272	203164	205628		205420
	HE45	205424			205425		203165	203168		205426
	HE50	205624			205271		203166	203169		205626
	HE60					205282		205699		
24	HE30	205429			205430		203175	203181		205431
	HE35	205434			205435		203176	203182		205436
	HE40	205439			205440	205514	203177	203183		205441
	HE45	205207			205208		203178	203184		205444
	HE50	205447			205448		203179	203185		205449
	HE60	205452			205453		203180	205508		205454
	HE70							205509		
30	HE35	205456			205457		203186			205458
	HE40	205460			205461		203187			205462
	HE45	205464			205465		203188			205466
	HE50	205468			205469		203189			205470
	HE60	205472			205473		203190			205474
	HE70									
36	HE35	205475			205476		203191			205477
	HE40	205478			205479		203192			205480
	HE45	205481			205482		203193			205483
	HE50	205484			205490		203194			205491
	HE60	205492			205493		203195			205494
	HE70	205492			203198					

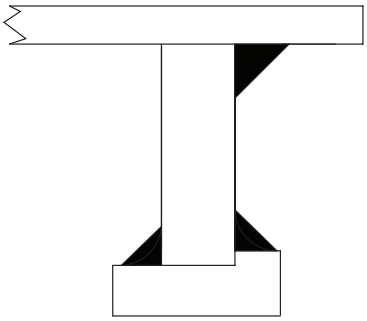
Conveyor Components
Engineering
Part Number Index
Keyword Index

SELECTION

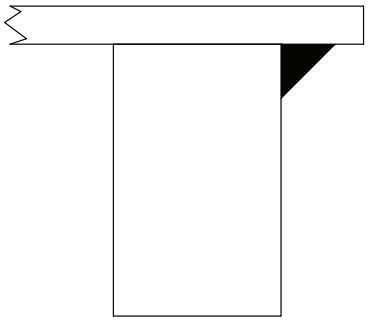
Engineered Class Pulleys

A proven leader in its design and manufacturing - Dodge engineered class pulleys are custom-designed to the conveyor load, tensions, bearing centers and wrap angles of your application. They are supplied for belt ranges up to and exceeding 8000 pounds per inch of belt width. Finite element design, material certification, certified welding and technologically advanced lagging material assure you the exact pulley for your application.

- 14° HE bushings and hubs assure lowest bellows installation stress
- Integral hub and T-section pulleys minimize effects of welding in heat affected zones (HAZ)
- Keyless locking devices are offered for shafts up to 30" in diameter
- Full fillet welding of the internal center discs assure rugged reliability



Welded Hub Design



Integral Hub Design

Turbine Pulleys

Turbine End Discs

Proprietary Software designs the rim, end disc, hub and shaft, and selects the locking assembly and bearings.

- All of the components designed as part of a dynamic system
- 3D Parametric Modeling and FEA are used in the design process
- Submerged Arc Welds
- No hub to end disc welds. This eliminates the most common failure point.
- Welds are Nondestructive Tested

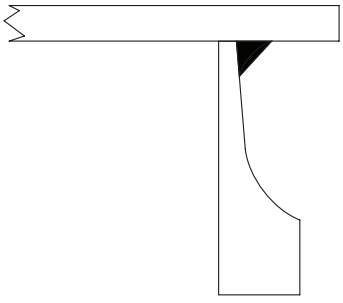
Machining of the end disc increases the flexibility and reduces the bending moment carried by the locking assembly, hub, end disc, welds and rim.

Single and Double Profile:

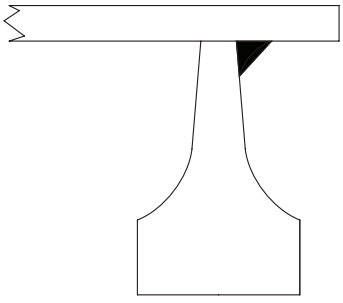
- Hub and end disc machined from 1 piece of steel
- Welds are on the inside of the rim at the end disc

T-Section

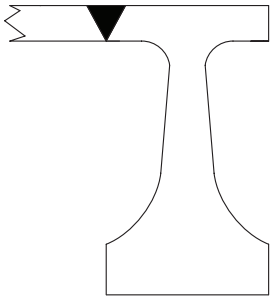
- Hub, end disc, and part of rim all machined from 1 piece of steel
- Circumferential butt weld joins the center section of the rim to the rim that is part of the end disc
- Welds are in the rim in a lower stress area away from the rim to end disc connection



Single Profile Design



Double Profile Design

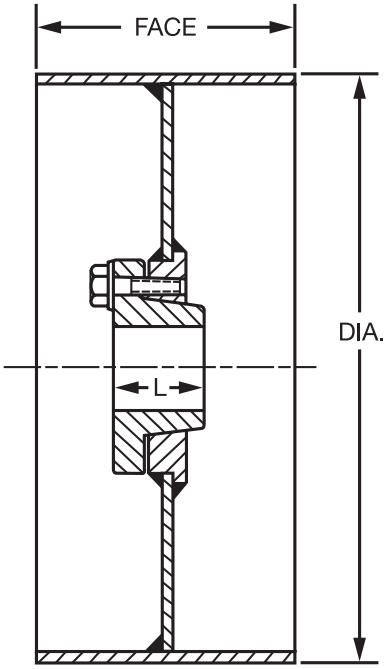


T-Section Design

SELECTION/DIMENSIONS

Elevator Pulleys

- Single or dual end disc design
- Heavy, all steel construction
- Economical alternative in narrow belt applications
- Standard crown face or available straight face
- HE compression hubs
- Various diameters and face widths available
- QD and TAPER-LOCK hubs and bushings also available
- CEMA or Mine Duty Construction
- Engineered also available



Double Disc Elevator Pulley Part Numbers

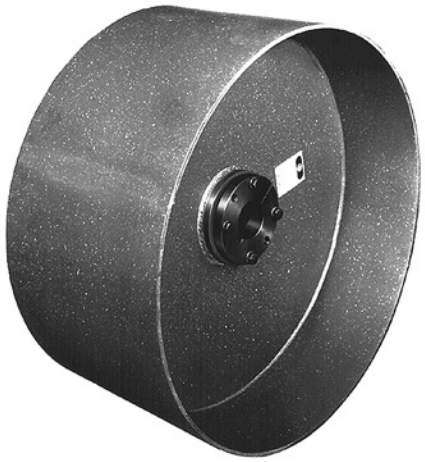
DIA	HUB	Face Width									
		10	11	12	14	15	16	18	20	22	24
16	HE25	203207	202000	203651	203652	202003	206090	206091	206092	209736	209952
	HE30		202001	202002	209734	202004	202005	203283	209735	203657	209737
18	HE25	202006	224521	203703	203704	202012	209743	209744	206110	203712	209746
	HE30	203208	224522	202009	202010	202013	202015	203707	209745	203713	203718
	HE35	202007	202008	224523	202011	202014	202016	202017	203709	209953	203719
20	HE25	203309	202020	209756	203765	202026	203766	203767	206125	203773	203778
	HE30	202018	202021	224524	202024	202027	202029	202031	209757	203774	209758
	HE35	202019	202022	202023	202025	202028	202030	203768	203770	203775	203780
24	HE25	224528	202033	202035	202038	202039	202041	202043	202046	202047	202049
	HE30	203814	224530	209957	203816	224532	203817	203818	203819	209958	203827
	HE35	202032	224531	202036	209767	203392	202042	202044	203820	203824	203828
	HE40	224529	202034	202037	203339	202040	224533	202045	203821	202048	203829
30	HE30	202050	202055	224534	203857	224538	203858	209959	203860	202070	202073
	HE35	202051	202056	224535	202062	203392	203210	202067	203861	203864	203868
	HE40	202052	202057	224536	224537	224539	209780	224541	203862	203865	203869
	HE45	202053	202058	202060	202063	224540	202151	202068	203863	202071	203870
	HE50	202054	202059	202061	202064	202065	202066	224542	202069	202072	202074
36	HE30	202075	202080	202085	202090	202093	224548	202096	202098	202103	202107
	HE35	202076	202081	202086	224543	224545	203906	203430	202099	202104	202108
	HE40	202077	202082	202087	224544	224546	224549	203431	202100	224552	202109
	HE45	202078	202083	202088	202091	224547	202095	224551	202101	202105	202110
	HE50	202079	202084	202089	202092	202094	224550	202097	202102	202106	202111
42	HE35	202112	202114	202116	202118	202120	202122	224554	224556	203214	203215
	HE40	202113	202115	202117	202119	202121	224553	224555	224557	202123	202124
48	HE30	202125	202128	202131	202134	202137	202139	202142	202145	202148	202150
	HE35	202126	202129	202132	202135	224559	202140	202143	202146	203217	203218
	HE40	202127	202130	202133	202136	202138	202141	202144	202147	202149	224560

Part numbers above are for standard drum pulley units with two end-disc design. Single disc pulleys available on request.

- Heavy duty standard construction
- Holz SOF slide lagging available upon request
- Engineered upon request

FEATURES/BENEFITS PAGE PT15-2	HOW TO ORDER PAGE PT15-6	SELECTION PAGE PT15-9	MODIFICATION/ACCESSORIES PAGE PT15-65

Elevator Pulleys



Double Disc Elevator Pulley Part Numbers - With HOLZ SOF SLIDE LAG

DIA	HUB	10	11	12	14	15	16	18	20	22	24
16	HE25 HE30	**203918**		**224572**	 **224618**		 **224619**		 **224620**		
18	HE25 HE30 HE35			**224621**	**224622**		**224623**	**224624**	**224625**		**224626**
20	HE25 HE30 HE35			**224627**	**224628**		**224629**	**224630**	**224631**		**224632**
24	HE25 HE30 HE35 HE40			**224633**	**224634** **224574** **224575**		**224635**	**224636**	**224637**		**224638**
30	HE30 HE35 HE40 HE45 HE50	 **224576**			 **203935**	 **203936** **203937**	 **203938** **224577** **224578**				
36	HE30 HE35 HE40 HE45 HE50			 **224579**	**203942** **203941** **203940**		**224580** **224581** **224582** **224583**		**224639**	 **224584**	**224640**
42	HE35 HE40				 **224585**			 **224586**	 **224588**	**203948**	
48	HE30 HE35 HE40							**224641**	**224642**	**203955**	**203958** **224592**

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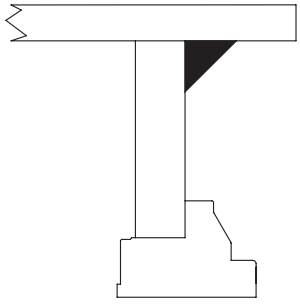
SELECTION

Dead Shaft Pulleys

Our design incorporates two spherical roller piloted flange bearings within the end disc, instead of using our standard bushings. This allows the pulley to rotate, while keeping the support shaft stationary. The self-aligning bearings handle the shaft misalignment instead of transmitting it to the end discs. This design may be used where space is limited, and our traditional design may not fit. Dead shaft pulleys are more compact and may allow for smaller shaft diameters through the pulley.

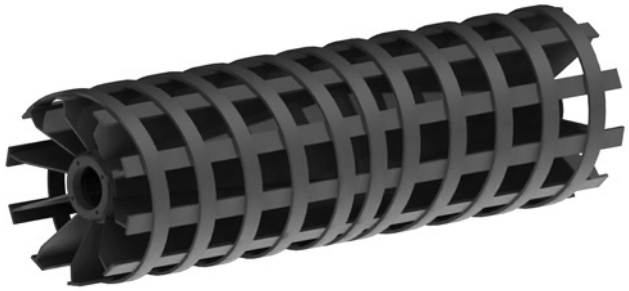


Piloted Flange Bearing End Disc

Spiral Wing Pulleys

The Dodge Spiral Wing Pulley is available from 6" to 60" diameters and face widths exceeding 100". Our Spiral Wing Pulleys are formed using a flat bar that is helically wound around the pulley, with set intervals that helps to move excess material off the pulley. The spiral design allows constant contact with the belt, eliminating excessive noise and vibration, while still cleaning the belt. Our Spiral Wing pulley is available in numerous hub and bushing designs.

- Self Cleaning, maximizes belt life



Spiral Drum Pulleys

The Dodge Spiral Drum Pulley is available from 12" to 60" diameters and face widths exceeding 100". It is formed using a vertical steel bar that is continuously wound around the pulley, with set intervals that helps to move excess material off the pulley. The spiral design allows constant contact with the belt, promoting the cleaning of the belt. Our Spiral Drum pulley is available in various hub and bushing designs.

Magnetic Pulleys

Dodge Magnetic Drum Pulleys are available from 8-5/8" to 36" diameters. These Magnetic Drum Pulleys are supplied with straight face stainless steel rims and HE hubs and bushings. Magnetic Drum Pulleys continuously remove iron and ferrous particles from the conveyed material. All standard lagging options are available. For specific magnetic pulley requirements, please call the Dodge Conveyor Group.

Stainless Steel Pulleys

Dodge Stainless Steel Pulleys are available from 6" to 60" diameters with face widths exceeding 100", in either crown or straight face. These pulleys can be supplied made completely from stainless steel for corrosive environments. Or it can be supplied with stainless steel rim and end discs and carbon steel hubs for use with magnetic separator. Stainless steel bushings and shafting can also be quoted. All standard lagging options are available.

SELECTION

Steel Split Pulleys

- Applied in narrow belt applications
- Die formed, riveted construction
- Provides the best possible weight to strength ratio
- Interchangeable bushings for bores from 3/4” to 3-1/2”
- Available from stock
- Max speed = 500 ft/min
- Pulleys can be lagged with any standard lagging

Bore Size	L Bushing			
	P/N	Bushing Keyway	Shaft Keyway	Key Required
3/4	**051009**	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
1	**051020**	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
1-3/16	**051016**	*	*	*
N Bushing				
3/4	**051029**	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
1	**051033**	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
1-3/16	**051036**	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
1-1/4	**051037**	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
1-7/16	**051040**	3/8 x 1/8	3/8 x 1/16	3/8 x 5/8
1-1/2	**051048**	3/8 x 1/8	3/8 x 1/16	3/8 x 5/16
1-11/16	**051044**	*	*	*
SF Bushing				
3/4	**051059**	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
1	**051063**	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
1-3/16	**051066**	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
1-1/4	**051067**	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
1-7/16	**051070**	3/8 x 1/8	3/8 x 1/16	3/8 x 5/16
1-1/2	**051071**	3/8 x 1/8	3/8 x 1/16	3/8 x 5/16
1-15/16	**051078**	1/2 x 1/8	1/2 x 1/8	1/2 x 3/8
2-3/16	**051082**	*	*	*

Max bore does not use a bushing. Bushing cannot be re-bored

Bore Size	G Bushing			
	P/N	Bushing Keyway	Shaft Keyway	Key Required
1-3/16	**051211**	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
1-1/4	**051212**	1/4 x 1/8	1/4 x 1/8	1/4 x 1/8
1-7/16	**051215**	3/8 x 1/8	3/8 x 3/16	3/8 x 5/16
1-1/2	**051216**	3/8 x 1/8	3/8 x 3/16	3/8 x 5/16
1-11/16	**051219**	3/8 x 1/8	3/8 x 3/16	3/8 x 5/16
1-15/16	**051223**	1/2 x 1/8	1/2 x 1/4	1/2 x 1/8
2	**051224**	1/2 x 1/8	1/2 x 1/4	1/2 x 1/8
2-3/16	**051227**	1/2 x 1/8	1/2 x 1/4	1/2 x 1/8
2-7/16	**051231**	5/8 x 3/16	5/8 x 5/16	5/8 x 1/2
2-15/16	**051250**	3/4 x 3/16	3/4 x 3/8	3/4 x 9/16
3-7/16	**051247**	*	*	*

*** Keyways are not available in these sizes.**

DODGE

Steel Split Pulleys

Face Width *	Part No.	Wt. Δ	Max. Bore	Overall Hub Length	Bushing Symbol ◊
3" Diameter					
3	**203005**	1.3	1-7/16	3	L
4	**203006**	1.4	1-7/16	3	L
5	**203007**	1.6	1-7/16	3	L
6	**203008**	1.7	1-7/16	3	L
4" Diameter					
3	**203015**	1.7	1-15/16	3	N
4	**203016**	2.4	1-15/16	3	N
5	**203017**	3.2	1-15/16	3	N
6	**203018**	5.6	1-15/16	3	N
5" Diameter					
3	**203025**	2.8	1-15/16		N
4	**203026**	3.0	1-15/16	3	N
5	**203027**	3.5	1-15/16	3	N
6	**203028**	6.3	1-15/16	3	N
6" Diameter					
2	**200001**	4.3	2-7/16	2-3/8	SF
3	**200002**	4.5	2-7/16	2-3/8	SF
4	**200003**	5.3	2-7/16	2-3/8	SF
5	**200004**	6.0	2-7/16	2-3/8	SF
6	**200005**	6.8	2-7/16	2-3/8	SF
8	**200006**	10	2-7/16	6-3/4	2-SF
10	**200007**	12	2-7/16	8-3/4	2-SF
12	**200008**	14	2-7/16	10-3/4	2-SF
7" Diameter					
3	**200010**	5.1	2-7/16	2-3/8	SF
4	**200011**	6.0	2-7/16	2-3/8	SF
5	**200012**	7.0	2-7/16	2-3/8	SF
6	**200013**	7.9	2-7/16	2-3/8	SF
8	**200014**	11	2-7/16	6-3/4	2-SF
12	**200016**	15	2-7/16	10-3/4	2-SF

Face Width *	Part No.	Wt. Δ	Max. Bore	Overall Hub Length	Bushing Symbol ◊
8" Diameter					
2	**200017**	5.6	2-7/16	2-3/8	SF
3	**200018**	7.7	3-1/2	3-5/8	G
4	**200019**	8.5	3-1/2	3-5/8	G
5	**200020**	9.3	3-1/2	3-5/8	G
6	**200021**	9.9	3-1/2	3-5/8	G
8	**200022**	16	3-1/2	7-1/21	2-G
10	**200023**	17	3-1/2	9-1/2	2-G
12	**200024**	19	3-1/2	11-1/2	2-G
9" Diameter					
3	**200026**	8.9	3-1/2	3-5/8	G
4	**200027**	9.5	3-1/2	3-5/8	G
5	**200028**	11	3-1/2	3-5/8	G
6	**200029**	12	3-1/2	3-5/8	G
8	**200030**	18	3-1/2	7-1/2	2-G
10	**200031**	20	3-1/2	9-1/2	2-G
10" Diameter					
3	**200034**	9.7	3-1/2	3-5/8	G
4	**200035**	9.5	3-1/2	3-5/8	G
5	**200036**	11	3-1/2	3-5/8	G
6	**200037**	12	3-1/2	3-5/8	G
8	**200038**	18	3-1/2	7-1/2	2-G
10	**200039**	20	3-1/2	9-1/2	2-G
12	**200040**	22	3-1/2	11-1/2	2-G
11" Diameter					
3	**200042**	11	3-1/2	3-5/8	G
4	**200043**	9.5	3-1/2	3-5/8	G
6	**200045**	12	3-1/2	3-5/8	G

Face Width *	Part No.	Wt. Δ	Max. Bore	Overall Hub Length	Bushing Symbol ◊
12" Diameter					
3	**200050**	13	3-1/2	3-5/8	G
4	**200051**	14	3-1/2	3-5/8	G
5	**200052**	15	3-1/2	3-5/8	G
6	**200053**	17	3-1/2	3-5/8	G
8	**200054**	26	3-1/2	7-1/2	2-G
10	**200055**	29	3-1/2	9-1/2	2-G
12	**200056**	31	3-1/2	11-1/2	2-G
14" Diameter					
3	**200070**	14	3-1/2	3-5/8	G
4	**200071**	16	3-1/2	3-5/8	G
5	**200072**	18	3-1/2	3-5/8	G
6	**200073**	19	3-1/2	3-5/8	G
7	**200074**	30	3-1/2	7-1/2	2-G
10	**200075**	32	3-1/2	9-1/2	2-G
12	**200076**	36	3-1/2	11-1/2	2-G
16" Diameter					
3	**200088**	17	3-1/2	3-5/8	G
4	**200089**	18	3-1/2	3-5/8	G
5	**200090**	19	3-1/2	3-5/8	G
6	**200091**	21	3-1/2	3-5/8	G
8	**200092**	34	3-1/2	7-1/2	2-G
10	**200093**	37	3-1/2	9-1/2	2-G
12	**200094**	40	3-1/2	11-1/2	2-G
18" Diameter					
3	**200106**	18	3-1/2	3-5/8	G
4	**200107**	20	3-1/2	3-5/8	G
6	**200109**	26	3-1/2	3-5/8	G
20" Diameter					
4	**200125**	22	3-1/2	3-5/8	G
5	**200126**	24	3-1/2	3-5/8	G
6	**200127**	25	3-1/2	3-5/8	G

* Crown face pulleys will be furnished

Δ Weight does not include weight of bushing.

◊ One bushing required per pulley except two required where figure 2 precedes bushing symbol.

Keyways – Pulleys are designed to transmit power by gripping the shaft, and the keys are not ordinarily required.

Bushings

Bushing Symbol	Avg. Wt.	Max. Bore: No Keyway	Max. Bore: With Key-way	Min. Bore	Out-side Diam.	Lgth.
L	.4	1-3/16	1	3/4	1-7/16	3
N	1.0	1-11/16	1-1/2	3/4	1-15/16	3
SF	1.3	2-3/16	1-15/16	3/4	2-7/16	2-3/8
G	2.7	3-7/16	2-15/16	1-3/16	3-1/2	3/5/8

• Keys not included in the price

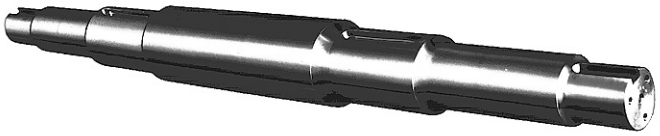
Overall Pulley Face Widths

Pulley Diam.	Overall Face Width for Various Nominal Face Widths Pulley: 2	3	4	5	6	8	10	12	14
3	....	3-11/16	4-11/16	5-11/16	6-11/16	....	....	....	....
4	....	3-9/16	4-7/16	5-7/16	6-5/16	....	....	....	....
5	....	3-9/16	4-5/16	5-5/16	6-5/16	....	....	....	....
6-7	2-3/16	3-5/8	4-11/16	5-11/16	6-11/16	8-11/16	10-11/16	12-11/16	....
8-11	2-3/16	4	4-11/16	5-11/16	6-11/16	8-11/16	10-11/16	12-11/16	....
12-11	....	4	4-11/16	5-11/16	6-11/16	8-11/16	10-11/16	12-11/16	....
18-20	....	4	4-11/16	5-11/16	6-11/16	....	....	....	....

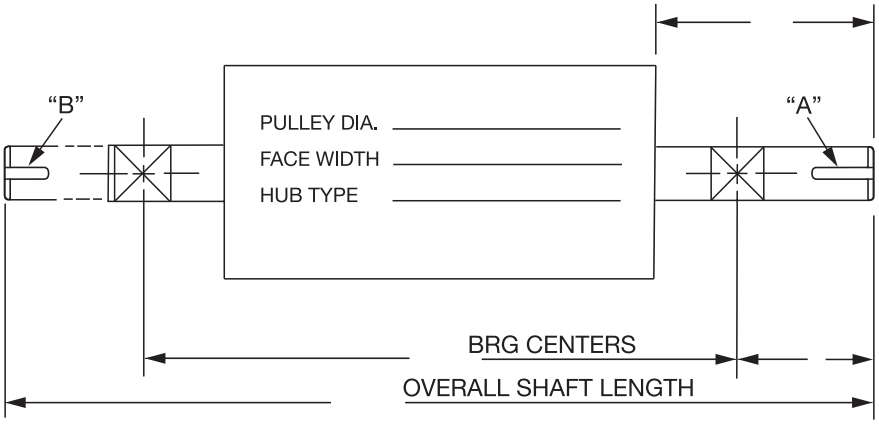
SELECTION

Shafting

- Shafting up to 30” diameter, 22’ in length
- Precision machined, custom designed
- C1045 turned and polished. Stocked through 5-15/16
- C1045 hot rolled 6” and above - to order
- 4140, 4340 and stainless steel available upon request
- Shafting can be keyed or journaled to meet any specification



DRIVE PULLEY & SHAFT DIMENSIONS

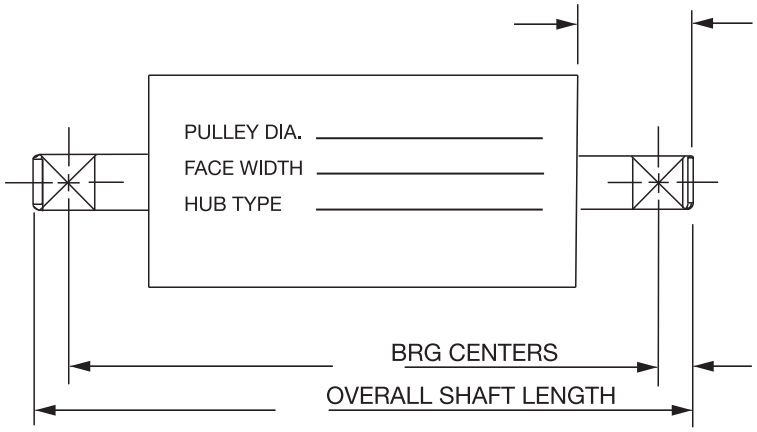


SHAFT DIA. AT HUB – _____
SHAFT DIA. AT BRG. – _____
SHAFT DIA. AT “A” – _____
SHAFT DIA. AT “B” – _____
NUMBER OF KEYSEATS – _____

KEYSEAT “A” – _____ X _____ X _____ LONG
KEYSEAT “B” – _____ X _____ X _____ LONG
DIRECTION OF ROTATION _____
(LOOKING AT DRIVEN END)
LAGGING – THICKNESS – _____
TYPE – _____

NON-DRIVE PULLEY & SHAFT DIMENSIONS

DRUM – ☐
WING – ☐



SHAFT DIA. AT HUB – _____
SHAFT DIA. AT BRG. – _____

KEYSEAT – 0 _____ , 1 _____ , 2 _____

FEATURES/BENEFITS PAGE PT15-2	SPECIFICATION PAGE PT15-4	NOMENCLATURE PAGE PT15-7	SELECTION/DIMENSIONS PAGE PT15-10

DODGE

Conveyor Pulley Lagging

Diamond Grooved

Lagging pulley surfaces increases belt traction and eliminates rim wear due to abrasive conditions. In addition, it reduces buildup on the belt to help extend the service life.

Dodge offers lagging in 60 Durometer as standard, 70 and 45 are also available. Others available upon request.

A variety of different lagging styles are available.

- Plain
- Diamond grooved
- Chevron
- Herringbone
- Holz - replaceable slide on lagging can be installed or replaced with pulley installed. See page PT14-67 for more information
- Ceramic lagging
- Available in a wide variety of thicknesses

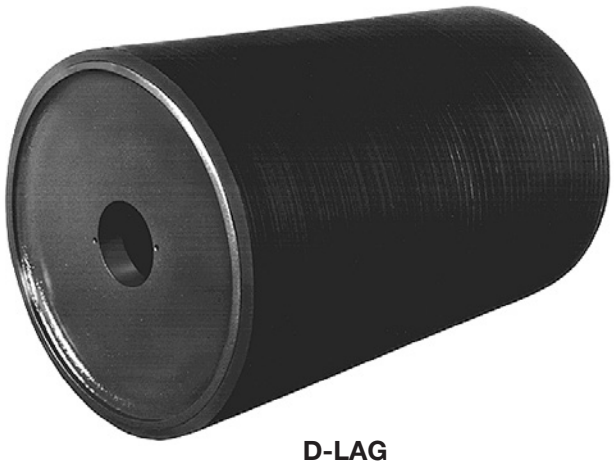
Superior Lagging Materials
Standard material for Dodge lagging is Styrene-Butadiene Rubber (SBR). It provides excellent abrasion resistance, as well as resistance to heat, cutting, gouging and tearing.

D-Lag
For maximum abrasion resistance, Dodge also offers D-Lag - a premium rubber polymer with 73% greater life than standard SBR. It offers improved resistance to cuts and gouges, as well as an improved coefficient of friction and low temperature flexibility.

Neoprene
Dodge also offers MSHA-approved neoprene material, which is fire retardant and oil resistant.

Wing-Lag

A replaceable urethane slide-on lagging for CEMA wing pulleys. See page PT14-68 for more information



D-LAG

MODIFICATIONS/ ACCESSORIES

Lagging Weights

1/4" Plain Vulcanized Rubber Lagging Weights

Pulley Dia.	Weights for Various Face Widths																			
	12	14	16	18	20	22	24	26	30	32	36	38	44	46	51	54	57	60	63	66
6	3	4	4	5	5	6	6	6	7	8	9	10	11	12	13	14	15	16	17	17
8	4	5	6	6	6	7	8	9	10	11	12	13	15	16	17	18	19	20	21	23
10	6	6	6	7	8	9	10	11	13	14	16	17	18	19	22	23	24	26	27	28
12	6	7	8	9	10	11	12	13	15	16	18	19	22	23	26	27	29	30	32	33
14	7	8	9	11	12	13	15	16	17	19	21	23	26	28	30	32	34	36	38	40
16	8	9	11	12	14	15	17	17	20	22	25	26	30	31	35	37	39	41	43	45
18	9	10	12	14	15	16	18	19	22	25	28	29	34	35	39	41	43	45	48	51
20	10	12	14	16	17	18	20	22	26	28	30	32	41	40	43	46	49	51	53	56
24	12	14	16	18	20	22	24	26	30	32	36	38	44	46	51	54	57	60	64	66
30	16	17	20	23	26	28	30	33	39	40	45	49	56	59	65	69	73	76	80	84
36	18	20	24	27	30	33	36	39	45	49	55	58	67	71	78	83	87	92	97	101
42	...	...	29	32	36	40	43	46	53	57	64	68	78	82	92	97	102	107	112	118
48	...	...	32	36	40	44	48	52	60	63	72	75	87	92	104	111	116	122	129	135
54	...	...	36	40	45	50	64	60	64	74	82	87	101	106	117	124	131	137	144	152
60	...	...	40	46	51	56	61	66	76	82	92	97	102	118	130	138	145	153	161	168

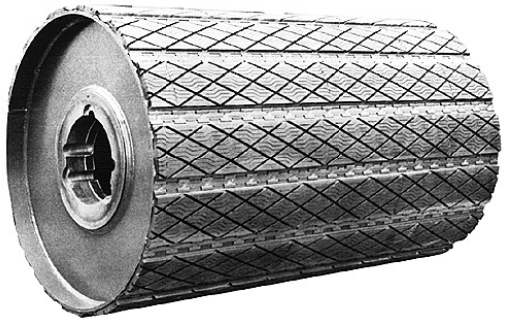
NOTE: For weights of other lagging, multiply weight given above by factors listed below.

3/8", 1/2" Vulcanized Rubber Lagging Weight Factors

Type	Weight Factor	Type	Weight Factor
3/8" Plain	1.49	3/8" Grooved	1.40
1/2" Plain	1.99	1/2" Grooved	1.89

DODGE

SLIDE LAG®



Exclusive elastomer compounding provides a lagging pad with exceptional drive-pulley traction, abrasion resistance and extra long service life.

Factory hot-vulcanization under pressure assures the best possible bond of rubber to backing plate. No lagging failures from loss of adhesion and separation-the most common problems associated with conventional lagging.

Steel backing plates and metal retainers are precision formed at the factory to fit the curved surface provided by each individual pulley diameter. Insures proper pad stability and long life.

Replaceable pads are designed to fit under the lips of the retainers, allowing the pads to slide in and out during installation. SLIDE LAG can be installed on conveyor systems without removing the pulleys from their operating positions

Different styles and materials of slide lag also available.

Part Number for Style #5 SLIDE LAG

Part Number	Description
207349	6" Diameter Style 5
207325	8" Diameter Style 5
207326	10" Diameter Style 5
207327	12" Diameter Style 5
207328	14" Diameter Style 5
207329	16" Diameter Style 5
207330	18" Diameter Style 5
207331	20" Diameter Style 5
207332	24" Diameter Style 5
207333	30" Diameter Style 5
207334	36" Diameter Style 5
207335	42" Diameter Style 5

Other styles of SLIDE LAG are available upon request, such as Belt saver, Edge crown and SOF. Dodge conveyor pulleys can be readily obtained with SLIDE LAG pre-installed from the factory.

Part Numbers for Holz Style # 5 SOF Slide Lagging

Part Number	Description
207336	8" Diameter Style 5 SOF
207337	10" Diameter Style 5 SOF
207338	12" Diameter Style 5 SOF
207339	14" Diameter Style 5 SOF
207340	16" Diameter Style 5 SOF
207341	18" Diameter Style 5 SOF
207342	20" Diameter Style 5 SOF
207343	24" Diameter Style 5 SOF
207344	30" Diameter Style 5 SOF
207345	36" Diameter Style 5 SOF
207346	42" Diameter Style 5 SOF
207249	48" Diameter Style 5 SOF

Ordering SLIDE LAG with Retainers

For the most common pulley sizes, select the number of 72" pads needed from the Table below

		Pulley Face Width																			
		12"	**14"**	**16"**	**18"**	**20"**	**22"**	**24"**	**26"**	**30"**	**32"**	**36"**	**38"**	**40"**	**44"**	**46"**	**51"**	**54"**	**60"**	**66"**	**72"**
P	**6"**	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3
U	**8"**	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4
L	**10"**	1	1	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	5	5	5
L	**12"**	1	2	2	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	6	6
E	**14"**	2	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	6	6	7	7
Y	**16"**	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6	7	8	8
	18"	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	7	7	8	9	9
D	**20"**	2	2	3	3	3	4	4	4	5	5	5	6	6	7	7	8	8	9	10	10
I	**24"**	2	3	3	3	4	4	4	5	5	6	6	7	7	8	8	9	9	10	11	12
A	**30"**	3	3	4	4	5	5	5	6	7	7	8	8	9	10	10	11	12	13	14	15
M	**36"**	3	4	4	5	5	6	6	7	8	8	9	10	10	11	12	13	14	15	17	18
E	**42"**	4	5	5	6	6	7	7	8	9	10	11	12	12	13	14	15	16	18	20	21
T	**48"**	4	5	6	6	7	8	8	9	10	11	12	13	14	15	16	17	18	20	22	24
E	**54"**	5	6	6	7	8	9	9	10	12	12	14	15	15	17	18	20	21	23	25	27
R	**60"**	5	6	7	8	9	10	10	11	13	14	15	16	17	19	20	22	23	25	28	30
	72"	6	7	8	9	10	11	12	13	15	16	18	19	20	22	23	26	27	30	33	36

* Registered trademark of Holz Rubber Company

FEATURES/BENEFITS PAGE PT15-2	HOW TO ORDER PAGE PT15-6	SELECTION PAGE PT15-9	SELECTION/DIMENSIONS PAGE PT15-10

MODIFICATIONS/ ACCESSORIES

DODGE

WING-LAG™

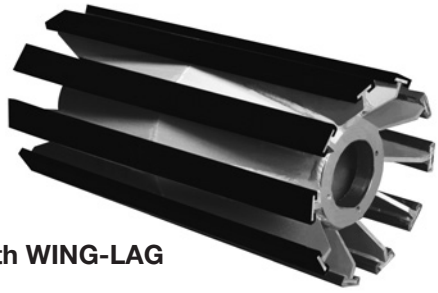
A poly-elastomer material that improves the performance of conventional wing pulleys. Designed to beat the heat or cold...oil, chemicals or abrasives...for any tough conveyor operation where the job calls for lagged wing pulleys... WING-LAG will do the job better and last longer.

Tougher than rubber. WING-LAG will outlast rubber lagging 2-5 times.

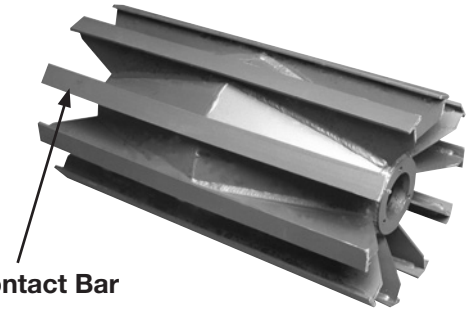
Resists chemicals and abrasives. WING-LAG is not affected by most oils, hydraulic fluids, fuels, chemicals and abrasives.

Excellent temperature range. WING-LAG has an effective operating temperature range of -60 degrees F to +212 degrees F.

WING-LAG grips the wing pulley and stays in place as if it were glued. However, it requires no special metal channeling, retaining grooves or other designed-in retaining feature, therefore it goes on easily and removes easily.



Pulley with WING-LAG



Contact Bar

Greater protection from foreign objects. Because of its tough composition, rocks, coal chunks and other debris trapped between the conveyor belt and the wing will simply be thrown out when the pulley has completed its turn.

Ordering WING-LAG

For the most common pulley sizes, select the number of the wings from the Table below. To calculate the number of 72" pieces needed, multiple the number of wings by the face width and divide by 72. Round the number of pieces up to the next largest number.

Diameter	Heavy Duty No. of Wings	Part Number
8	7	**207300**
10	8	**207300**
12	8	**207300**
14	10	**207300**
16	10	**207300**
18	10	**207300**
20	10	**207301**
24	12	**207301**
30	16	**207301**
36	18	**207301**
42	22	**207301**
48	24	**207301**
54	28	**207301**
60	30	**207301**

Installation and maintenance instructions are available at www.dodge-pt.com

WING-LAG is available on CEMA heavy duty wing pulleys with standard contact bars pre-installed at the factory or it can be retrofit in the field. Either way a WING-LAG wing pulley will extend the life of conveyor belts and conventional wing pulleys under the most severe operating conditions.

Only available on CEMA wings with standard contact bars.

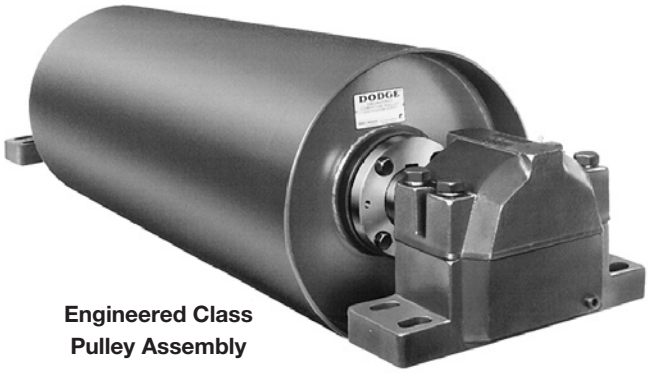
FEATURES/BENEFITS PAGE PT15-2	HOW TO ORDER PAGE PT15-6	SELECTION PAGE PT15-9	SELECTION/DIMENSIONS PAGE PT15-10

DODGE

Conveyor Pulley Assemblies

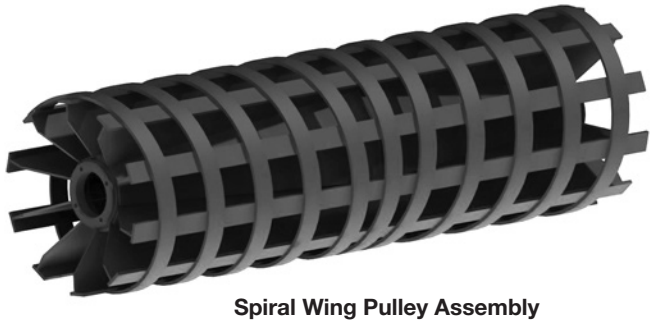
- Single source supplier, single source warranty
- Computer aided product selection
- Maximize return on investment
- No on-site component assembly
- Complete package of all Dodge bearing and power transmission components, including pulleys, lagging, shafting and bearings, such as USAF, ISAF, IP-E, etc
- Coupling mounting is also available

Drum Pulley Assembly



Engineered Class Pulley Assembly

Wing Pulley Assembly



Spiral Wing Pulley Assembly

RELATED PRODUCTS

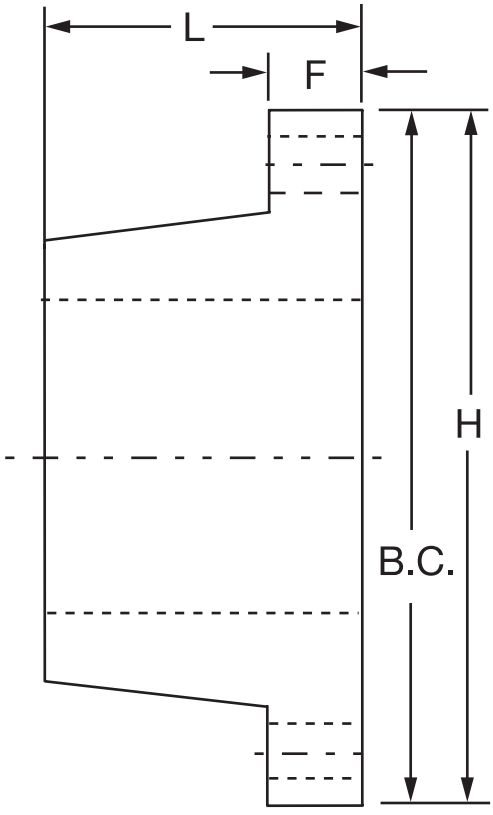
HE Bushings

The Dodge exclusive HE bushing system was specifically designed for drum and wing pulley applications.

- 14° taper angle to minimize end disc stress
- Thicker flange
- More mounting bolts on larger sizes
- Shaft diameters to 12"
- Even bolt spacing

HE Bushing Dimensions

Bushing	Maximum Bore (in.)	L (in.)	B.C. (in.)	F (in.)	H (in.)	Number of Bolts	Size of Bolts (in.)
HE-25	2-1/2	1.80	3.94	.75	4.63	4	3/8-16 x 1-3/4
HE-30	3	2.20	4.69	.88	5.63	4	1/2-13 x 2-1/4
HE-35	3-1/2	2.78	5.56	.88	6.63	4	9/16-12 x 2-1/4
HE-40	4	2.93	6.31	1.00	7.50	4	5/8-11 x 2-1/2
HE-45	4-1/2	3.20	7.31	1.25	8.75	6	5/8-11 x 2-1/2
HE-50	5	3.70	8.00	1.50	9.63	6	3/4-10 x 3
HE-60	6	3.95	9.25	1.75	11.13	6	7/8-9 x 3-1/2
HE-70	7	4.45	10.56	2.00	12.75	6	1-8 x 4
HE-80	8	5.20	12.13	2.25	14.50	6	1-1/8-7 x 4-1/2
HE-100	10	6.45	14.50	3.00	17.00	6	1-1/4-7 x 5-1/2
HE-120	12	7.45	17.50	3.00	20.00	8	1-1/4-7 x 5-1/2



Wrench Torque

Bushing	Wrench Torque (ft.-lbs.)
HE-25	30
HE-30	60
HE-35	90
HE-40	140
HE-45	140
HE-50	200
HE-60	350
HE-70	500
HE-80	500
HE-100	600
HE-120	600

Details for TAPER-LOCK Bushings - See page PT6-2 - PT6-12
Details for QD Bushings - See page PT6-16 - PT6-25

Installation and maintenance instructions are available at www.dodge-pt.com

DODGE

HE Bushings

Bush. No.	Bore	Part No.	Wt.	Bushing Keyway	Shaft Keyway
HE-25	1	**206623 ***	5.4	1/4 x 1/8	1/4 x 1/8
	1-1/8	**206744**	5.4		
	1-3/16	**206615 ***	5.4		
	1-1/4	**206745 ***	5.4		
	1-5/16	**206747**	5.4	5/16 x 5/32	5/16 x 5/32
	1-3/8	**206748**	5.4		
	1-7/16	**206617 ***	5.4	3/8 x 3/16	3/8 x 3/16
	1-1/2	**206750 ***	5.4		
	1-11/16	**206752 ***	5.4		
	1-3/4	**206754 ***	5.4		
	1-13/16	**206756**	5.4	1/2 x 1/4	1/2 x 1/4
	1-7/8	**206758**	5.4		
	1-15/16	**206619 ***	5.4		
	2	**206760 ***	5.4		
	2-1/8	**205997**	5.4		
	2-3/16	**206763 ***	5.4		
	2-1/4	**206765 ***	3.1		
	2-5/16	**206767**	3.1	5/8 x 3/16▲	5/8 x 5/16
	2-3/8	**206768**	3.1		
	2-7/16	**206621 ***	3.1		
	2-1/2	**206770**	3.1		
HE-30	1-3/8	**206635**	8.5	5/16 x 5/32	5/16 x 5/32
	1-7/16	**206625**	8.5	3/8 x 3/16	3/8 x 3/16
	1-1/2	**206637 ***	8.5		
	1-11/16	**206639**	8.5		
	1-3/4	**206772**	8.5		
	1-15/16	**206627 ***	8.5	1/2 x 1/4	1/2 x 1/4
	2	**206774**	8.5		
	2-3/16	**206775 ***	8.5		
	2-7/16	**206629 ***	8.5	5/8 x 5/16	5/8 x 5/16
	2-1/2	**206777 ***	8.5		
	2-9/16	**206838**	8.5		
	2-5/8	**205881**	8.5		
	2-11/16	**206631 ***	8.5		
	2-3/4	**206778 ***	5.3		
	2-13/16	**206779**	5.3	3/4 x 1/8▲	3/4 x 3/8
	2-7/8	**206780**	5.3		
	2-15/16	**206633 ***	5.3		
	3	**206781 ***	5.3		
HE-35	1-3/16	**206648**	15	1/4 x 1/8	1/4 x 1/8
	1-7/16	**206649**	15	3/8 x 3/16	3/8 x 3/16
	1-1/2	**206784**	15		
	1-11/16	**206786**	15		
	1-3/4	**206839**	15		
	1-15/16	**206640**	15	1/2 x 1/4	1/2 x 1/4
	2	**206788**	15		
	2-3/16	**206790 ***	15		
	2-1/4	**206792**	15		

Bush. No.	Bore	Part No.	Wt.	Bushing Keyway	Shaft Keyway
HE-35 (cont)	2-3/8	**206794**	15	5/8 x 5/16	5/8 x 5/16
	2-7/16	**206642 ***	15		
	2-1/2	**206795**	15		
	2-11/16	**206796**	15		
	2-3/4	**206798**	15		
	2-7/8	**206800**	15	3/4 x 3/8	3/4 x 3/8
	2-15/16	**206644 ***	15		
	3	**206801 ***	15		
	3-3/16	**206803 ***	15		
	3-3/8	**206840**	9	7/8 x 3/16▲	7/8 x 7/16
	3-7/16	**206646 ***	9		
	3-1/2	**206807 ***	9		
HE-40	1-15/16	**206658**	20	1/2 x 1/4	1/2 x 1/4
	2-3/16	**206659**	20		
	2-7/16	**206810 ***	20	5/8 x 5/16	5/8 x 5/16
	2-1/2	**206811**	20		
	2-11/16	**206650**	20		
	2-15/16	**206652 ***	20	3/4 x 3/8	3/4 x 3/8
	3-3/16	**206812**	20		
	3-11/16	**206813 ***	12.3	7/8 x 7/16	7/8 x 7/16
	3-7/16	**206654 ***	12.3		
	3-7/8	**206841**	12.3	1 x 1/4▲	1 x 1/2
	3-15/16	**206656 ***	12.3		
	4	**206815 ***	12.3		
HE-45	1-15/16	**206670**	30	1/2 x 1/4	1/2 x 1/4
	2-7/16	**206660 ***	30	5/8 x 5/16	5/8 x 5/16
	2-15/16	**206662 ***	30	3/4 x 3/8	3/4 x 3/8
	3-7/16	**206664 ***	30	7/8 x 7/16	7/8 x 7/16
	3-1/2	**206671**	30		
	3-15/16	**206666 ***	19.4	1 x 1/2	1 x 1/2
	4-3/16	**206672**	19.4	1 x 1/4▲	1 x 1/2
	4-3/8	**205883**	19.4		
	4-7/16	**206668 ***	19.4		
	4-1/2	**206673 ***	19.4		
HE-50	2-15/16	**207998**	39	7/8 x 7/16	7/8 x 7/16
	3-5/16	**205884**	39		
	3-7/16	**206817 ***	39		
	3-15/16	**206818 ***	39	1 x 1/2	1 x 1/2
	4-7/16	**206675 ***	39		
	4-11/16	**205885**	27	1-1/4 x 1/4▲	1-1/4 x 5/8
	4-15/16	**206677 ***	27		
	5	**206821**	27		
HE-60	3-15/16	**206686 ***	55	1 x 1/2	1 x 1/2
	4-1/4	**206687**	55		
	4-7/16	**206688 ***	55		
	4-15/16	**206680 ***	55	1-1/4 x 5/8	1-1/4 x 5/8
	5-1/4	**206689**	55		
	5-7/16	**206682 ***	55		
	5-1/2	**206823 ***	39	1-1/2 x 1/4▲	1-1/2 x 3/4
	5-15/16	**206684 ***	39		
	6	**206825 ***	39		

▲ Keys Furnished For These Sizes Only
* Standard Stock Sizes

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RELATED PRODUCTS

HE Bushings

Bush. No.	Bore	Part No.	Wt.	Bushing Keyway	Shaft Keyway
HE70	4-7/16	**205886**	74	1 x 1/2	1 x 1/2
	4-15/16	**205880**	74	1-1/4 x 5/8	1-1/4 x 5/8
	5-7/16	**205887**	74		
	5-15/16	**206690 ***	74	1-1/2 x 3/4	1-1/2 x 3/4
	6	**207396 ***	74		
	6-7/16	**206692 ***	74		
	6-1/2	**206845 ***	57		
	6-15/16	**206694 ***	57	1-3/4 x 1/4▲	1-3/4 x 3/4
	7	**206847 ***	57		
HE80	5-15/16	**207399**	114.09	1-1/2 x 3/4	1-1/2 x 3/4
	6-7/16	**206700**	114.09		
	6-3/4	**205888**	114.09	1-3/4 x 3/4	1-3/4 x 3/4
	6-15/16	**206702**	114.09		
	7	**205889**	114.09		
	7-3/16	**205890**	114.09		
	7-1/2	**206849 ***	114.09		
	7-7/16	**206704**	114.09		
	7-3/4	**205891**	114.09	2 x 3/4	2 x 3/4
	7-15/16	**206706**	114.09		
	8	**206708 ***	83		
HE-100	7-1/2	**206710**	202	1-3/4 x 3/4	1-3/4 x 3/4
	7-15/16	**206712**	202	2 x 3/4	2 x 3/4
	8	**206718 ***	202		
	8-7/16	**205892**	202		
	8-1/2	**206720 ***	202		
	8-15/16	**206714**	202		
	9	**206722 ***	202		
	9-1/2	**206724 ***	202	2-1/2 x 7/8	2-1/2 x 7/8
	10	**206716 ***	144		
HE-120	8	**207398**	348	2 x 3/4	2 x 3/4
	8-1/2	**207380**	348		
	9	**207382**	348		
	9-1/2	**207384**	348	2-1/2 x 7/8	2-1/2 x 7/8
	10	**207386**	348		
	10-1/2	**207388**	348		
	11	**207390 ***	348		
	11-1/2	**207392**	348	3 x 1	3 x 1
	12	**207394**	225		

▲ Keys Furnished For These Sizes Only
* Standard Stock Sizes

Reborable HE Bushings						
			Inch		Metric	
Bushing	Part Number	Minimum Bore	Maximum Bore (in.) Sq. Key	Maximum Bore (in.) Shallow Key	Minimum Bore (mm)	Maximum Bore (mm)
HE25	**207960 ***	15/16	2-1/4	2-1/2	24	60
HE30	**207961 ***	15/16	2-3/4	3	24	75
HE35	**207962 ***	1-3/16	3-1/4	3-1/2	32	85
HE40	**207963 ***	1-15/16	3-3/4	4	50	100
HE45	**207964 ***	1-15/16	3-15/16	4-1/2	50	110
HE50	**207965 ***	2-15/16	4-1/2	5	75	125
HE60	**207966 ***	3-7/16	5-1/2	6	90	150
HE70	**207967 ***	4-7/16	6-1/2	7	120	170
HE80	**207968 ***	5-7/16	8	-	140	200
HE100	**207969**	6-15/16	10	-	180	250
HE120	**207970**	7-15/16	12	-	220	300

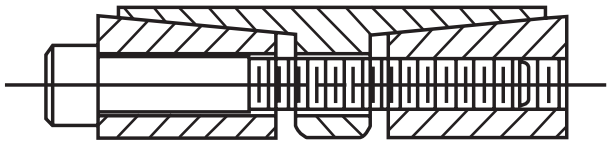
Keyless Locking Assemblies

The Dodge Pulley Pros have been designing and fabricating special pulleys with Keyless Locking Assemblies for over 30 years. Hubs are computer designed for use with single or dual locking assemblies.

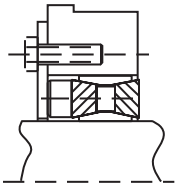
Keyless locking assemblies are available in two basic configurations – short series and long series. Long series locking assemblies feature a longer length through bore with a corresponding increase in contact area between the locking assembly and the shaft and hub.

Most conveyor pulley applications require only one short series locking assembly in each pulley hub to transmit the bending and torsional moments. Heavier loaded pulleys require long series locking assemblies to transmit increased loads. The Dodge Pulley Pros have the experience and expertise to determine the best keyless locking assembly configuration for any application.

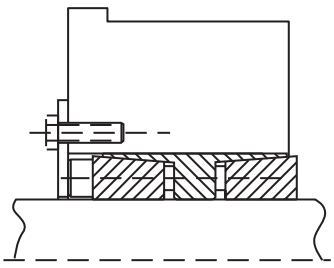
Dodge Keyless Locking Assemblies are self-contained, high torque capacity, shaft-hub locking devices. They provide many features and benefits to conveyor pulley assemblies, including no keyway stress concentration, no axial movement during assembly, high torque capacity, and easy assembly and disassembly. The locking assembly design includes concentric, tapered rings. As the locking screws are torqued, the locking assembly clamps down on the shaft and expands into the hub bore, establishing a tight mechanical shrink fit.



Long Series Locking Assembly



Short Series



Long Series Locking Assembly

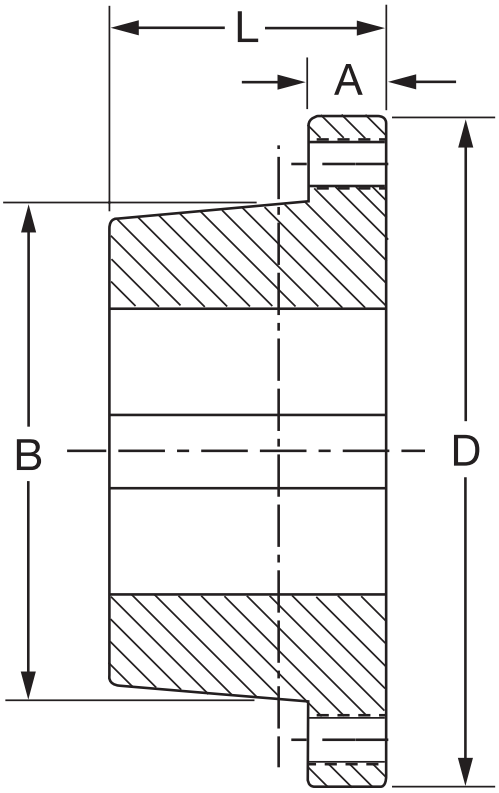
Available in Weld On Hub, Integral Hub or T-Section. See Pages PT14-56 and PT14-57.

RELATED PRODUCTS

XT Bushings

Usage: This product is specially designed for conveyor pulley applications.

- 2"/ft taper for easy on, easy off
- In steel and gray cast iron



Dimensions

Bushing Size	Dimensions - Inches							Recommended Wrench Torque (ft-lbs)	Approx. Weight
	A	B	D	L	BC	No.	Size		
XTB15	3/8	2.000	2-7/8	1-1/8	2-7/16	4	1/4-20NC x 1"	7.9	0.7
XTB20	15/32	2.688	3-3/4	1-13/32	3-3/16	4	5/16-18NC x 1-1/4"	16.7	1.5
XTB25	5/8	3.188	4-7/16	1-7/8	3-3/4	4	3/8-16NC x 1-3/4"	29.2	2.6
XTB30	11/16	3.875	5-5/16	2-1/16	4-9/16	4	7/16-14NC x 1-1/2"	45.8	4.2
XTB35	25/32	4.688	6-5/16	2-15/32	5-7/16	4	1/2-13NC x 1-3/4	70	7.4
XTB40	7/8	5.313	7-1/8	2-13/16	6-1/8	4	9/16-12NC x 2"	100	10.5
XTB45	15/16	5.938	8	3-5/16	6-7/8	4	5/8-11NC x 2-1/4"	140	14.8
XTB50	1	7.250	10-1/8	3-3/4	8-5/16	4	3/4-10NC x 2-1/2"	250	27.8
XTB60	1-1/8	8.625	11-15/16	4-1/8	9-7/8	4	7/8-9NC x 2-1/2"	400	42.8
XTB70	1-5/16	10.000	13-15/16	4-11/16	11-9/16	4	1-8NCx 3"	600	66.3
XTB80	1-3/8	11.125	15-5/8	5-1/8	12-7/8	4	1-1/8-7NC x 3/12"	750	85.7
XTB100	1-9/16	13.688	17-15/16	6-3/16	15-9/16	6	1-1/8-7NC x 3-1/2	750	146
XTB120	1-3/4	16.188	20-5/8	7-1/16	18-3/16	8	1-1/8-7NC x 3-1/2	750	216

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DODGE

XT Bushings

Bushing No.	Bore	Part No.	Wt.	Keyseat
XTB15	5/8	226830	.7	3/16 x 3/32
	3/4	226831	.7	3/16 x 3/32
	7/8	226832	.7	3/16 x 3/32
	1	226833	.7	1/4 x 1/8
	1-1/8	226834	.7	1/4 x 1/8
	1-3/16	226835	.7	1/4 x 1/8
	1-1/4	226836	.7	1/4 x 1/8
	1-7/16	226837	.7	3/8 x 1/8 ✦
	1-1/2	226838	.7	3/8 x 1/8 ✦
XTB20	3/4	226839	1.5	3/16 x 3/32
	1	226840	1.5	1/4 x 1/8
	1-3/16	226841	1.5	1/4 x 1/8
	1-1/4	226842	1.5	1/4 x 1/8
	1-7/16	226843	1.5	3/8 x 3/16
	1-1/2	226844	1.5	3/8 x 3/16
	1-11/16	226845	1.5	3/8 x 3/16
	1-15/16	226846	1.5	1/2 x 3/16 ✦
	2	226847	1.5	1/2 x 3/16 ✦
XTB25	1	226848	2.6	1/4 x 1/8
	1-3/16	226849	2.6	1/4 x 1/8
	1-1/4	226850	2.6	1/4 x 1/8
	1-7/16	226851	2.6	3/8 x 3/16
	1-1/2	226852	2.6	3/8 x 3/16
	1-11/16	226853	2.6	3/8 x 3/16
	1-15/16	226854	2.6	1/2 x1/4
	2	226855	2.6	1/2 x1/4
	2-3/16	226856	2.6	1/2 x1/4
	2-7/16	226857	2.6	5/8 x 1/8 ✦
XTB30	1-7/16	226858	4.2	3/8 x 3/16
	1-1/2	226859	4.2	3/8 x 3/16
	1-11/16	226860	4.2	3/8 x 3/16
	1-15/16	226861	4.2	1/2 x 1/4
	2-3/16	226862	4.2	1/2 x 1/4
	2-7/16	226863	4.2	5/8 x 5/16
	2-11/16	226864	4.2	5/8 x 5/16
	2-15/16	226865	4.2	3/4 x 3/16 ✦
XTB35	1-15/16	226866	7.4	1/2 x 1/4
	2-3/16	226867	7.4	1/2 x 1/4
	2-7/16	226868	7.4	5/8 x 5/16
	2-1/2	226869	7.4	5/8 x 5/16
	2-11/16	226870	7.4	5/8 x 5/16
	2-15/16	226871	7.4	3/4 x 3/8
	3-7/16	226872	7.4	7/8 x 5/16

Bushing No.	Bore	Part No.	Wt.	Keyseat
XTB40	2-7/16	226873	10.5	5/8 x 5/16
	2-15/16	226874	10.5	3/4 x 3/8
	3-7/16	226875	10.5	7/8 x 7/16
	3-15/16	226876	10.5	1 x 3/8 ✦
XTB45	3-7/16	226877	14.8	7/8 x 7/16
	3-15/16	226878	14.8	1 x 1/2
	4-7/16	226879	14.8	1 x 3/8 ✦
XTB50	3-15/16	226880	27.8	1 x 1/2
	4-7/16	226881	27.8	1 x 1/2
	4-15/16	226882	27.8	1-1/4 x 5/8
XTB60	5-7/16	226883	42.8	1-1/4 x 5/8
	5-1/2	226884	42.8	1-1/4 x 5/8
	5-15/16	226885	42.8	1-1/2 x 3/4
	6	226886	42.8	1-1/2 x 3/4
XTB70	6-7/16	226887	66.3	1-1/2 x 3/4
	6-1/2	226888	66.3	1-1/2 x 3/4
	6-15/16	226889	66.3	1-3/4 x 3/4
	7	226890	66.3	1-3/4 x 3/4
XTB80	7-1/2	226891	85.7	1-3/4 x 3/4
	7-15/16	226892	85.7	2 x 3/4
	8	226893	85.7	2 x 3/4
XTB100	8-1/2	226894	146	2 x 3/4
	9	226895	146	2 x 3/4
	9-7/16	226896	146	2-1/2 x 7/8
	9-1/2	226897	146	2-1/2 x 7/8
	10	226898	146	2-1/2 x 7/8
XTB120	10-1/2	226899	216	2-1/2 x 7/8
	11	226900	216	2-1/2 x 7/8
	11-1/2	226901	216	3 x 1
	12	226902	216	3 x 1

✦ Key provided with these sizes only

XTB50-XTB120 made from gray cast iron

Reborable XT Bushings

Bushing	Part Number	Minimum Bore	Inch Max Bore
XTB15	226903	5/8	1.5
XTB20	226904	3/4	2.0
XTB25	226905	1	2.5
XTB30	226906	1-7/16	3.0
XTB35	226907	1-15/16	3.5
XTB40	226908	2-7/16	4.0
XTB45	226909	3-7/16	4.5
XTB50	226910	3-15/16	5.0
XTB60	226911	5-7/16	6.0
XTB70	226912	6-7/16	7.0
XTB80	226913	7-1/2	8.0
XTB100	226914	8-1/2	10.0
XTB120	226915	10-1/2	12.0

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RELATED PRODUCTS

XT Hubs

Usage: XT hubs are for use with the XT Bushing

- 2"/ft taper for easy on, easy off
- Made of low carbon steel for its excellent welding properties

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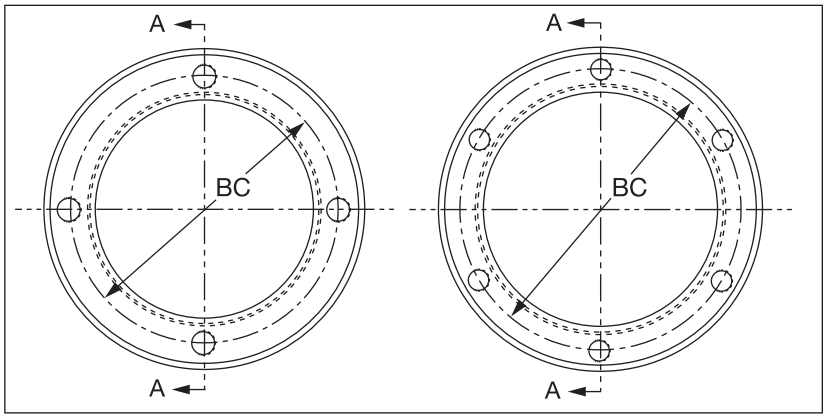
XT Hubs

Dimensions

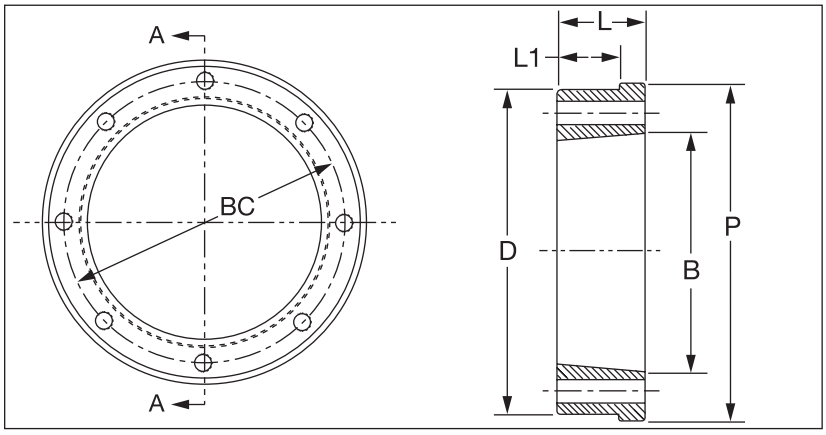
Hub No.	Fits Bushing	Dimensions - Inches							Tapped Holes		Approx. Weight
		Part Number	D ✻	L	B	P	L1	BC	No.	Size	
XTH15	XTB15	**226916**	2.875	5/8	2.000	3.190	7/16	2-7/16	4	14-20NC	0.7
XTH20	XTB20	**226917**	3.813	13/16	2.688	4.065	9/16	3-3/16	4	5/16-18NC	1.5
XTH25	XTB25	**226918**	4.375	1-1/8	3.188	4.690	13/16	3-3/4	4	3/8-16NC	2.6
XTH30	XTB30	**226919**	5.750	1-1/4	3.875	5.940	7/8	4-9/16	4	7/16-14NC	4.1
XTH35	XTB35	**226920**	6.345	1-1/2	4.688	6.565	1-1/16	5-7/16	4	1/2-13NC	6.6
XTH40	XTB40	**226921**	7.250	1-3/4	5.313	7.563	1-1/4	6-1/8	4	9/16-12NC	10.7
XTH45	XTB45	**226922**	8.000	2-1/8	5.938	8.315	1-1/2	6-7/8	4	5/8-11NC	15.4
XTH50	XTB50	**226923**	9.563	2-1/2	7.250	9.940	1-3/4	8-5/16	4	3/4-10NC	24.9
XTH60	XTB60	**226924**	11.250	2-3/4	8.625	11.690	1-15/16	9-7/8	4	7/8-9NC	36.4
XTH70	XTB70	**226925**	13.188	3-1/8	10.000	13.628	2-3/16	11-9/16	4	1-8NC	57.7
XTH80	XTB80	**226926**	14.625	3-7/16	11.125	14.940	2-7/16	12-7/8	4	1-1/8-7NC	75.6
XTH100	XTB100	**226927**	17.500	4-1/8	13.688	17.940	3	15-9/16	6	1-1/8-7NC	122
XTH120	XTB120	**226928**	20.500	4-13/16	16.188	20.940	3-1/2	18-3/16	8	1-1/8-7NC	189

✻ TOLERANCE: (+0.000" / -0.005")



XTH15 to XTH80 Inclusive

XTH100



XTH120

Section A-A
Taper 2" per ft.
on Diameter -B-

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ENGINEERING/TECHNICAL

Horsepower and Belt Tension for Simple Conveyors *

Horsepower

The horsepower required to operate a belt conveyor depends on the following:

1. Maximum tonnage to be handled
2. Length of the conveyor
3. Vertical lift of the conveyor

To determine horsepower required for a horizontal conveyor, use Table 1 only.

To determine horsepower required for an inclined conveyor, use Table 1 and Table 2. Figure each table separately and sum the results to determine total horsepower required.

Note: Other factors, such as conveyor plows, scrapers, and skirt boards over 12 feet, will require additional factors for horsepower. See conveyor design program or call conveyor component engineering for assistance.

* These calculations are limited to level or uphill conveyors with single drive pulley and a maximum length of 500 ft. For other systems, consult Dodge.

NOTE: Online selection program is available at www.ptwizard.com

Table 1 – HP Required to Operate Loaded Conveyor on the Level

Length of Conveyor in feet	Short Tons Per Hour (2000 lbs.)												
	100	150	200	250	300	350	400	500	600	700	800	900	1000
25	2.0	2.3	2.5	2.7	3.0	3.3	3.5	4.0	4.5	5.0	5.5	6.0	6.5
50	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.8	5.4	6.0	6.6	7.2	7.8
75	2.8	3.1	3.5	3.8	4.1	4.5	4.8	5.5	6.2	6.9	7.6	8.3	9.0
100	3.0	3.4	3.8	4.2	4.5	4.9	5.3	6.0	6.8	7.5	8.3	9.0	9.8
125	3.4	3.8	4.2	4.6	5.0	5.4	5.8	6.6	7.4	8.2	9.0	9.8	10.6
150	3.7	4.1	4.6	5.0	5.5	5.9	6.3	7.2	8.1	9.0	9.9	10.8	11.5
175	4.0	4.5	5.0	5.5	6.0	6.5	7.0	8.0	9.0	10.0	11.0	12.0	13.0
200	4.3	4.8	5.3	5.8	6.4	7.0	7.5	8.6	9.7	10.8	11.9	13.0	14.1
225	4.6	5.1	5.7	6.2	6.8	7.3	8.0	9.2	10.4	11.6	12.8	14.0	15.2
250	4.9	5.5	6.2	6.8	7.5	8.0	8.8	10.1	11.4	12.7	14.0	15.3	16.6
300	5.6	6.2	7.0	7.6	8.4	9.0	9.8	11.2	12.6	14.0	15.4	16.8	18.2
350	6.2	6.9	7.7	8.4	9.2	10.0	10.7	12.2	13.7	15.2	16.7	18.2	19.7
400	6.8	7.6	8.5	9.2	10.2	11.0	11.9	13.6	15.3	17.0	18.7	20.4	22.1
450	7.3	8.3	9.2	10.2	11.1	12.0	13.0	14.9	16.8	18.7	20.6	22.5	24.4
500	8.0	9.0	10.1	11.1	12.2	13.2	14.3	16.4	18.5	20.6	22.7	24.8	26.9

Table 2 – HP Required to Lift Load on Belt Conveyor

Lift in Feet	Short Tons Per Hour (2000 lbs.)												
	100	150	200	250	300	350	400	500	600	700	800	900	1000
10	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0	10.0
20	2.0	3.0	4.0	5.0	6.0	7.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
30	3.0	4.5	6.0	7.5	9.0	10.5	12.0	15.0	18.0	21.0	24.0	27.0	30.0
40	4.0	6.0	8.0	10.0	12.0	14.0	16.0	20.0	24.0	28.0	32.0	36.0	40.0
50	5.0	7.5	10.0	12.5	15.0	17.5	20.0	25.0	30.0	35.0	40.0	45.0	50.0
60	6.0	9.0	12.0	15.0	18.0	21.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0
70	7.0	10.5	14.0	17.5	21.0	24.5	28.0	35.0	42.0	49.0	56.0	63.0	70.0
80	8.0	12.0	16.0	20.0	24.0	28.0	32.0	40.0	48.0	56.0	64.0	72.0	80.0
90	9.0	13.5	18.0	22.5	27.0	31.5	36.0	45.0	54.0	63.0	72.0	81.0	90.0
100	10.0	15.0	20.0	25.0	30.0	35.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0

Belt Tension:

The belt tensions developed in a belt conveyor depend on the following:

1. Motor horsepower
2. Belt speed in feet per minute
3. Drive configuration

To determine tight side (T1) and slack side (T2) operating tensions, first determine the effective tension (difference between T1 and T2) from: Te = 33,000 x HP/FPM

Where: Te = Effective tension
HP = Motor horsepower
FPM = Belt speed

The slack side belt tension is calculated from Te and the drive factor Cw (from Table 7) by: T2 = Te x Cw

Where: T_2 = Slack side tension
T_e = Effective tension
Cw = Drive factor from Table 3

Table 3 - Drive Factor

Type of Pulley Drive	Wrap	Automatic Take-Up		Manual Take-Up	
		Bare Pulley	Lagged Pulley	Bare Pulley	Lagged Pulley
Single no snub	180°	0.84	0.50	1.2	0.8
Single with snub	200°	0.72	0.42	1.0	0.7
	210°	0.66	0.38	1.0	0.7
	220°	0.62	0.35	0.9	0.6
	240°	0.54	0.30	0.8	0.6

The tight side tension is calculated from Te and T2 by : T1 = Te + T2

Where: T1 = Tight side tension
Te = Effective tension
T2 = Slack side tension

Example: Horsepower and Tension calculation
Calculate horsepower and belt tensions for a conveyor given:

1. Capacity of 300 tons per hour
2. 300 ft. conveyor length
3. 20 ft. conveyor lift
4. Belt speed of 450 feet per minute
5. Screw take-up system
6. 180° arc of contact on drive pulley
7. Lagged drive pulley

Horsepower:

From Table 1 the horsepower required to operate the belt on the level is 8.4. From Table 2 the horsepower required for lift is 6.0. The total horsepower required is 8.4 + 6.0 = 14.4. (A 15 HP motor would be selected.)

Tension:

First calculate effective tension from:

$$Te = \frac{33000 \times HP}{FPM} \qquad Te = \frac{33000 \times 15}{450} = 1100 \text{ lbs.}$$

Calculate T_2 from Te and drive factor Cw (From Table 3 Cw = .8)
T_2=Cw x Te T_2=.8 x 1100 = 880 lbs.

Finally calculate T_1 from T_2 and Te
T1=T_2+Te T_1=880+1100=1980 lbs.

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Vibration Frequencies of DODGE Anti-Friction Mounted Bearings

More and more manufacturing facilities are getting involved with plant-wide preventive maintenance programs. By monitoring vibration levels of motors, pumps, fans and compressors, maintenance supervisors can predict imminent failures. Knowing that a piece of equipment is showing signs of potential failure permits scheduling of maintenance at an appropriate time and avoids the consequences of catastrophic failures. Shown in Tables 1 - 10 are vibration frequencies generated by bearing components defects. All frequencies are based on unity inner ring or cone rotation.

How to Use the Tables

If a 2-7/16 Type E pillow block is rotating at 1000 RPM, the vibration due to a failed component will show up at the following frequencies: (Table 3, Line 6)

Frequency

Cup Nick or Spall	= 1000 x 9.251	= 9251 RPM
Cone Nick or Spall	= 1000 x 11.749	= 11749 PM
*Roller Nick or Spall	= 1000 x 4.011 x 2	= 8022 RPM
Cage (Train) Frequency (Inner Ring Rotation)	= 1000 x 0.441	= 441 RPM

Since all the values in Tables 1 - 10 are based on unity inner ring or cone rotation, the vibration due to flaws will show up at the frequencies obtained by multiplying the RPM times the factors found on the appropriate table. The resulting product will have units of RPM.

Table 1: All Setscrew, Eccentric, D-LOK & GT Ball Bearing Parameters For Vibration Analysis (1-RPS)

Series	SC Bore	SCM Bore	# Balls	Diameter of Balls	Pitch Diameter	Outer Ring Frequency Hz	Inner Ring Frequency Hz	* Ball Spin Frequency Hz	Cage Frequency Hz
203	1/2 - 5/8		8	17/64	1.151	3.078	4.923	2.050	0.385
204	1/2 - 3/4		8	5/16	1.325	3.057	4.943	2.002	0.382
205	7/8 - 1		9	5/16	1.533	3.582	5.418	2.350	0.398
206	1-1/6 - 1-1/4	1	9	3/8	1.823	3.575	5.426	2.328	0.397
207	1-1/4 - 1-7/16	1-3/16	9	7/16	2.136	3.579	5.422	2.339	0.398
208	1-1/2 - 1-5/8	1-7/16 - 1-1/2	9	1/2	2.387	3.558	5.443	2.283	0.395
209	1-11/16 - 1-3/4	1-1/2	9	13/25	2.559	3.586	5.414	2.360	0.398
210	1-15/16 - 2	1-11/16 - 1-3/4	10	1/2	2.765	4.056	5.904	2.674	0.410
211	2-2-1/4	1-15/16 - 2	10	9/16	3.092	4.090	5.910	2.657	0.410
212	2-1/4 - 2-7/16	2-3/16 - 2-1/4	10	5/8	3.385	4.077	5.923	2.616	0.408
214	2-11/16	2-7/16 - 2-1/2	10	11/16	3.775	4.089	5.911	2.654	0.409
215	2-15/16	2-11/16	11	11/16	4.085	4.574	6.456	2.887	0.416
216		2-15/16 - 3	11	3/4	4.330	4.547	6.453	2.800	0.413
218		3-7/16 - 3-1/2	11	27/32	4.920	4.557	6.443	2.830	0.414

Table 2: Type E, K, DI, and TAF Tapered Roller Bearing Parameters For Vibration Analysis (1-RPS)

Bore Size	# Rollers Per Row	Mean Diameter of Rollers	Pitch Diameter	Contact Angle	Cup Frequency Hz	Cone Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
1-3/16 - 1-1/4	19	0.23	1.774	17.533	8.326	10.675	3.798	0.438
1-3/8 - 1-7/16	20	0.29	2.084	16.5	8.666	11.334	3.529	0.433
1-1/2 - 1-11/16	18	0.35	2.411	16	7.744	10.256	3.377	0.430
1-3/4 - 2	17	0.41	2.709	12.033	7.241	9.758	3.231	0.426
2-3/16	19	0.41	3.014	13.283	8.242	10.758	3.611	0.434
2-1/4 - 2-1/2	21	0.41	3.337	14.5	9.251	11.7489	4.012	0.441
2-11/16 - 3	24	0.41	3.9	16.733	10.792	13.208	4.708	0.450
3-3/16 - 3-1/2	26	0.46	4.78	18.167	11.811	14.189	5.152	0.454
3-15/16 - 4	26	0.51	5.12	17.567	11.766	14.235	4.974	0.453
4-7/16 - 4-1/2	25	0.59	5.727	18.983	11.282	13.718	4.807	0.451
4-15/16 - 5	25	0.68	6.568	17	11.262	13.738	4.782	0.455
5-7/16 - 6	32	0.67	8.444	17.75	14.791	17.209	6.266	0.462
6-7/16 - 7	27	0.93	9.791	19.167	12.289	14.711	5.222	0.455

Cup Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120

Cone Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120

Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)

Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) /120

Pd = Pitch Diameter

N = Number of rollers

Bd = Roller Diameter

a = Cup Angle (contact angle)

Table 3: Type C Tapered Roller Bearing Parameters For Vibration Analysis (1-RPS)

Bore Size	# Rollers Per Row	Mean Diameter of Rollers	Pitch Diameter	Contact Angle	Cup Frequency Hz	Cone Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
1-3/16 - 1-7/16	19	0.31	2.251	14.92	8.236	10.764	3.566	0.433
1-1/2 - 1-3/4	21	0.32	2.604	11.50	9.236	11.764	4.010	0.440
1-15/16	22	0.33	2.848	15.00	9.769	12.231	4.261	0.444
2 - 2-1/4	21	0.40	3.335	16.83	9.295	11.705	4.114	0.443
2-3/16 - 2-7/16	25	0.35	3.533	18.00	11.322	13.678	5.002	0.453
2-1/2 - 2-11/16	23	0.43	3.827	16.50	10.261	12.739	4.399	0.446
2-7/16 - 2-15/16	26	0.42	4.22	16.50	11.759	14.241	4.978	0.452
3 - 3-3/16	22	0.55	4.612	16.50	9.742	12.258	4.138	0.443
3-1/4 - 3-7/16	24	0.51	4.761	16.42	10.767	13.233	4.618	0.449
3-1/2 - 4	25	0.59	5.727	18.98	11.282	13.718	4.807	0.4513
4-7/16 - 4-1/2	33	0.46	3.109	11.50	14.108	18.892	3.308	0.428
4-15/16 - 5	26	0.68	6.983	18.00	11.796	14.204	5.091	0.4537

Cup Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120

Cone Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120

Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)

Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) /120

Pd = Pitch Diameter

N = Number of rollers

Bd = Roller Diameter

a = Cup Angle (contact angle)

*** Note:** Ball and Roller Spin Frequencies are listed at one (1X) roller spin frequency. For thorough analysis it is important to check frequency level at two (2X) rotational speed of balls or rollers as this is the frequency that a single ball/roller defect will contact the raceways of the bearing. In other words, a ball/roller defect will strike both inner and outer ring in one revolution of the roller.

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Type 4: Special Duty Tapered Roller Bearing Parameters For Vibration Analysis (1-RPS)

Bore Size	# Rollers Per Row	Mean Diameter of Rollers	Pitch Diameter	Contact Angle	Cup Frequency Hz	Cone Frequency Hz	Roller Spin Frequency Hz	Cage Frequency Hz
1-3/8 - 1-1/2	21	0.32	2.603	11.50	9.238	11.762	4.019	0.440
1-9/16 - 1-3/4	26	0.32	3.061	16.00	11.693	14.307	4.732	0.450
1-7/8 - 2	27	0.32	3.267	17.00	12.235	14.765	5.058	0.453
2-1/8 - 2-1/4	25	0.35	3.533	18.00	11.317	13.683	4.981	0.453
2-3/8 - 2-1/2	29	0.35	3.828	18.77	13.245	15.755	5.430	0.457
2-5/8 - 3	26	0.48	4.572	10.17	11.650	14.350	4.687	0.448
3-3/16 - 3-1/2	27	0.56	5.541	16.00	12.184	14.816	4.884	0.451
3-11/16 - 4	23	0.68	6.103	15.88	10.263	12.737	4.418	0.446
4-7/16 - 4-1/2	26	0.68	6.983	18.00	11.791	14.209	5.069	0.454
4-15/16 - 5	30	0.75	7.896	17.00	13.637	16.363	5.218	0.455
5-7/16 - 6	24	0.93	9.123	17.33	10.832	13.168	4.858	0.451
6-1/2 - 7	29	0.93	10.190	19.23	13.251	15.750	5.438	0.457
7-15/16 - 8	27	1.12	11.471	12.42	12.213	14.787	5.074	0.452
8-1/2 - 10	41	0.87	13.979	16.40	19.276	21.724	8.005	0.470
11 - 12	37	1.20	16.061	12.50	17.151	19.850	6.657	0.464

Cup Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 2
Cone Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 2
Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (2 * Bd)
Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) / 2

Pd = Pitch Diameter
N = Number of rollers
Bd = Roller Diameter
a = Cup Angle (contact angle)

Table 5: All Steel Tapered Roller Bearing Parameters For Vibration Analysis (1-RPS

Bore Size	# Rollers Per Row	Mean Diameter of Rollers	Pitch Diameter	Contact Angle	Cup Frequency Hz	Cone Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
2-11/16 - 3	27	0.36	4.114	15.50	12.362	14.638	5.673	0.458
3-1/4 - 3-1/2	26	0.51	5.120	17.57	11.766	14.235	4.974	0.453
3-15/16 - 4	33	0.48	5.814	12.50	15.170	17.830	6.017	0.460
4-7/16 - 4-1/2	29	0.60	6.503	12.92	13.196	15.804	5.375	0.455
4-15/16 - 5	32	0.61	7.355	12.50	14.705	17.296	5.989	0.460
5-7/16	27	0.84	8.272	12.00	12.159	14.841	4.875	0.450
5-15/16 - 6	26	0.85	8.323	12.00	11.701	14.300	4.847	0.450
6-7/16 - 7	32	0.81	9.748	12.50	14.702	17.300	5.978	0.459
7-1/2 - 8	27	1.12	11.471	12.42	12.213	14.787	5.074	0.452
9 - 10	32	1.28	14.026	12.03	14.572	17.428	5.435	0.455

Cup Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120
Cone Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120
Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)
Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) / 120

Pd = Pitch Diameter
N = Number of rollers
Bd = Roller Diameter
a = Cup Angle (contact angle)

*** Note:** Ball and Roller Spin Frequencies are listed at one (1X) roller spin frequency. For thorough analysis it is important to check frequency level at two (2X) rotational speed of balls or rollers as this is the frequency that a single ball/roller defect will contact the raceways of the bearing. In other words, a ball/roller defect will strike both inner and outer ring in one revolution of the roller.

Table 6: S-2000, Unisphere II and Imperial Spherical Roller Bearing Parameters for Vibration Analysis (1-RPS)

Basic Bearing Series	S-2000 Bore Size (in)	Unisphere II Bore Size (in)	Imperial Bore Size (in)	No. of Rollers	Mean Dia. Of Rollers	Pitch Dia.	Contact Angle	Outer Ring Frequency Hz	Inner Ring Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
22208	1-3/8 - 1-1/2	1-7/16 - 1-1/2	1-1/8 - 1-1/2	15	0.449	2.449	10.583	6.149	8.851	2.640	0.410
22209	1-11/16 - 1-3/4	1-11/16 - 1-3/4	1-5/8 - 1-3/4	17	0.429	2.665	9.750	7.151	9.849	3.027	0.421
22210	1-15/16 - 2	1-15/16 - 2	1-7/8 - 2	18	0.433	2.858	9.083	7.653	10.347	3.226	0.425
22211	2-3/16	2-3/16	2-3/16 - 2-1/4	19	0.465	3.189	8.750	8.132	10.868	3.361	0.428
22213	2-7/16	2-7/16 - 2-1/2	2-3/8 - 2-1/2	18	0.583	3.795	9.083	7.635	10.365	3.182	0.424
22215	2-11/16 - 3	2-11/16 - 3	2-11/16 - 3	20	0.575	4.197	8.250	8.645	11.355	3.584	0.432
22218	3-7/16	3-7/16 - 3-1/2	3-3/16 - 3-1/2	18	0.780	5.079	8.833	7.635	10.365	3.183	0.424
22220	3-15/16 - 4	3-15/16 - 4	3-11/16 - 4	18	0.878	5.705	9.000	7.632	10.368	3.174	0.424
22222	4-7/16		4-7/16 - 4-1/2	17	1.020	6.287	9.417	7.140	9.860	3.004	0.420
22226	4-15/16		4-15/16 - 5	18	1.118	7.307	9.750	7.643	10.357	3.193	0.425
22228			5-7/16 - 5-1/2	18	1.217	7.933	9.583	7.639	10.361	3.186	0.424
22232			5-15/16 - 6	18	1.409	9.189	9.667	7.639	10.361	3.185	0.424
22236			6-7/16 - 7	18	1.559	10.157	9.417	7.637	10.363	3.183	0.424

Table 7: USAF and SAF-XT Spherical Roller Bearing Parameters for Vibration Analysis (1-RPS)

Basic Bearing Series	USAF/SAF-XT Bore Sizes (in)	No. of Rollers	Mean Dia. Of Rollers	Pitch Dia.	Contact Angle	Outer Ring Frequency Hz	Inner Ring Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
22209	1-7/16	18	0.408	2.626	9.633	7.623	10.377	3.147	0.424
22210	1-11/16	19	0.415	2.819	8.917	8.120	10.880	3.328	0.427
22211	1-15/16	19	0.465	3.097	8.833	8.092	10.908	3.260	0.426
22213	2-3/16	20	0.534	3.761	9.117	8.599	11.401	3.456	0.430
22215	2-7/16 - 2-1/2	20	0.587	4.093	8.433	8.582	11.418	3.419	0.429
22216	2-11/16 - 2-3/4	20	0.622	4.410	8.333	8.604	11.396	3.475	0.430
22217	2-15/16 - 3	20	0.679	4.723	8.367	8.578	11.422	3.409	0.429
22218	3-3/16	20	0.702	5.024	8.917	8.620	11.380	3.510	0.431
22220	3-7/16 - 3-1/2	19	0.823	5.609	8.917	8.123	10.877	3.336	0.428
22222	3-15/16 - 4	18	0.979	6.185	9.583	7.595	10.405	3.082	0.422
22224	4-3/16	19	0.999	6.700	9.633	8.103	10.897	3.280	0.426
22226	4-7/16 - 4-1/2	19	1.071	7.205	9.950	8.109	10.891	3.292	0.427
22228	4-15/16 - 5	18	1.217	7.933	9.583	7.639	10.361	3.186	0.424
22230	5-3/16	18	1.315	8.559	9.500	7.636	10.364	3.180	0.424
22232	5-7/16 - 5-1/2	18	1.409	9.189	9.667	7.639	10.361	3.185	0.424
22234	5-15/16 - 6	17	1.583	9.740	9.833	7.139	9.861	2.998	0.420
22236	6-7/16 - 6-1/2	18	1.559	10.157	9.417	7.637	10.363	3.183	0.424
22238	6-15/16 - 7	20	1.496	10.669	10.667	8.622	11.378	3.498	0.431
22240	7-3/16	19	1.614	11.021	10.833	8.133	10.867	3.343	0.428
22244	7-1/2 - 8	19	1.850	12.480	10.833	8.117	10.883	3.301	0.427
23048	8-7/16 - 9	29	1.142	12.008	9.333	13.140	15.860	5.213	0.453
23052	9-7/16 - 9-1/2	27	1.378	13.228	9.667	12.114	14.886	4.749	0.449
23056	9-15/16 - 10-1/2	28	1.378	13.976	9.333	12.638	15.362	5.023	0.451

*** Note:** Ball and Roller Spin Frequencies are listed at one (1X) roller spin frequency. For thorough analysis it is important to check frequency level at two (2X) rotational speed of balls or rollers as this is the frequency that a single ball/roller defect will contact the raceways of the bearing. In other words, a ball/roller defect will strike both inner and outer ring in one revolution of the roller.

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Table 8: DODGE USAF Air Handling Spherical Roller Bearing Parameters For Vibration Analysis (1-RPS)

Bore Size	Basic Bearing Series	# Rollers Per Row	Diameter of Rollers	Pitch Diameter	Contact Angle	Outer Ring Frequency Hz	Inner Ring Frequency Hz	*Roller Spin Frequency Hz	Cage Frequency Hz
1-7/16	22209E1K	17	0.3937	2.5976	10.0000	7.231	9.769	3.226	0.425
1-11/16	22210E1K	19	0.3937	2.7976	9.2500	8.180	10.820	3.484	0.431
1-15/16	22211E1K	18	0.4528	3.0921	8.9200	7.698	10.302	3.343	0.428
2-3/16	22213E1K	19	0.5315	3.7110	9.2500	8.157	10.843	3.421	0.429
2-7/16 - 2-1/2	22215E1K	21	0.5315	4.1098	8.3300	9.156	11.846	3.803	0.436
2-11/16 - 2-3/4	22216E1K	20	0.5709	4.3638	8.2500	8.705	11.295	3.758	0.435
2-15/16 - 3	22217E1K	20	0.6299	4.6811	8.5000	8.669	11.331	3.650	0.434
3-3/16	22218E1K	20	0.6693	4.9602	8.8300	8.667	11.333	3.640	0.433
3-7/16 - 3-1/2	22220E1K	19	0.7677	5.5606	9.0000	8.205	10.795	3.554	0.432
3-15/16 - 4	22222E1K	19	0.8661	6.1559	9.4200	8.181	10.819	3.485	0.431
4-3/16	22224E1K	19	0.9252	6.6382	9.5800	8.194	10.806	3.520	0.431
4-7/16 - 4-1/2	22226E1K	19	0.9843	7.1358	9.9200	8.209	10.791	3.558	0.432
4-15/16 - 5	22228E1K	19	1.0630	7.7232	9.6700	8.211	10.789	3.566	0.432

Outer Ring Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120
Inner Ring Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120
Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)
Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) / 120

Pd = Pitch Diameter
N = Number of rollers
Bd = Roller Diameter
a = Contact Angle

Table 9: Split-Spherical Roller Bearing Parameters For Vibration Analysis

Bore Size	Basic Bearing Series	# Rollers Per Row	Diameter of Rollers	Pitch Diameter	Contact Angle	Outer Ring Frequency Hz	Inner Ring Frequency Hz	*Roller Spin Frequency Hz	Cage Frequency Hz
2-3/16	22213SS	17	0.559	3.414	9.000	7.125	9.875	2.973	0.419
2-7/16	22215SS	18	0.551	3.748	9.083	7.693	10.307	3.328	0.427
2-11/16	22216SS	19	0.579	3.950	8.667	8.124	10.876	3.341	0.428
2-15/16	22217SS	20	0.575	4.153	8.250	8.630	11.370	3.545	0.431
3-3/16	22218SS	19	0.654	4.435	8.167	8.114	10.886	3.321	0.427
3-7/16	22220SS	18	0.780	5.079	8.833	7.635	10.365	3.183	0.424
3-15/16 - 4	22222SS	18	0.878	5.634	9.000	7.615	10.385	3.132	0.423
4-3/16	22224SS	17	1.110	6.203	9.417	7.000	10.000	2.708	0.412
4-7/16 - 4-1/2	22226SS	18	1.047	6.727	9.417	7.618	10.382	3.136	0.423
4-15/16	22228SS	18	1.118	7.202	9.750	7.623	10.377	3.145	0.424
5-3/16	22230SS	18	1.217	7.822	9.583	7.620	10.380	3.139	0.423
5-7/16	22232SS	18	1.315	8.442	9.500	7.617	10.383	3.134	0.423
5-15/16 - 6	22234SS	18	1.409	9.059	9.667	7.620	10.380	3.138	0.423
6-7/16 - 6-1/2	22236SS	18	1.409	9.059	9.667	7.620	10.380	3.138	0.423
6-15/16 - 7	22238SS	18	1.559	10.021	9.417	7.619	10.381	3.138	0.423
7-3/16	22240SS	16	1.579	10.716	9.417	6.837	9.163	3.322	0.427
7-1/2 - 8	22244SS	16	1.752	11.257	9.500	6.772	9.228	3.137	0.423
8-1/2 - 9	23048SS	20	1.307	11.189	8.083	8.843	11.157	4.223	0.442
9-1/2	23052SS	22	1.339	11.949	8.417	9.781	12.219	4.408	0.445
10	23056SS	20	1.539	13.175	8.667	8.845	11.155	4.222	0.442

Outer Ring Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 12
Olnner Ring Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120
Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)
Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) / 120

Pd = Pitch Diameter
N = Number of rollers
Bd = Roller Diameter
a = Contact Angle

*** Note:** Ball and Roller Spin Frequencies are listed at one (1X) roller spin frequency. For thorough analysis it is important to check frequency level at two (2X) rotational speed of balls or rollers as this is the frequency that a single ball/roller defect will contact the raceways of the bearing. In other words, a ball/roller defect will strike both inner and outer ring in one revolution of the roller.

Table 10: USDAF Spherical Roller Bearing Parameters For Vibration Analysis (1-RPS)

Bore Size	Basic Bearing Series	# Rollers Per Row	Diameter of Rollers	Pitch Diameter	Contact Angle	Outer Ring Frequency Hz	Inner Ring Frequency Hz	* Roller Spin Frequency Hz	Cage Frequency Hz
10-15/16 - 11	23060K	27	1.575	15.066	9.500	12.108	14.892	4.732	0.448
11-7/16 - 12	23064K	28	1.575	15.850	9.333	12.627	15.373	4.983	0.451
12-7/16 - 12-1/2	23068K	27	1.732	17.007	9.500	12.144	14.856	4.860	0.450
12-15/16 - 13-1/2	23072K	28	1.732	17.793	9.333	12.655	15.345	5.089	0.452
13-15/16 - 14	23076K	30	1.732	18.587	9.000	13.620	16.381	5.320	0.454
15	23080K	29	1.929	19.822	9.167	13.107	15.893	5.091	0.452
15-3/4	23084K	30	1.929	20.609	9.000	13.613	16.387	5.296	0.454
9-7/16 - 9-1/2	23152K	23	1.693	13.914	12.500	10.134	12.866	4.051	0.441
10-7/16 - 10-1/2	23156K	24	1.732	14.711	12.000	10.618	13.382	4.191	0.442
10-15/16 - 11	23160K	23	1.89	15.923	12.333	10.167	12.834	4.156	0.442
11-15/16 - 12	23164K	23	2.087	17.044	12.833	10.127	12.873	4.025	0.440
12-7/16 - 12-1/2	23168K	23	2.244	18.272	12.833	10.123	12.877	4.013	0.440
13-7/16 - 13-1/2	23172K	24	2.244	19.077	12.333	10.621	13.379	4.195	0.443
13-15/16 - 14	23176K	25	2.323	19.833	12.000	11.068	13.932	4.213	0.443
8-15/16 - 9	23248K	20	1.929	13.523	14.000	8.616	11.384	3.438	0.431
9-7/16 - 9-1/2	23252K	19	2.126	14.745	14.000	8.171	10.829	3.400	0.430
10-7/16 - 10-1/2	23256K	20	2.126	15.537	13.583	8.670	11.330	3.590	0.434
10-15/16 - 11	23260K	20	2.323	16.706	13.833	8.650	11.350	3.530	0.433
11-15/16 - 12	23264K	20	2.441	17.878	14.000	8.675	11.325	3.598	0.434
12-7/16 - 12-1/2	23268K	20	2.638	19.048	14.167	8.657	11.343	3.545	0.433

Outer Ring Frequency = N * RPM * (1 - (Bd * cos a / Pd)) / 120
Inner Ring Frequency = N * RPM * (1 + (Bd * cos a / Pd)) / 120
Roller Spin Frequency = Pd * RPM * (1 - (Bd * cos a / Pd) ^2) / (120 * Bd)
Cage Frequency = RPM * (1 - (Bd * cos a / Pd)) / 120

Pd = Pitch Diameter
N = Number of rollers
Bd = Roller Diameter
a = Contact Angle

*** Note:** Ball and Roller Spin Frequencies are listed at one (1X) roller spin frequency. For thorough analysis it is important to check frequency level at two (2X) rotational speed of balls or rollers as this is the frequency that a single ball/roller defect will contact the raceways of the bearing. In other words, a ball/roller defect will strike both inner and outer ring in one revolution of the roller.

Mounted Bearings Life Adjustment Factor

1.1 GENERAL. For certain applications, it is desirable to specify life for reliability other than 90%. In such cases a life adjustment factor for reliability may be applied to the RATING LIFE. Section 1.2 discusses life adjustment factors for reliability.

Some bearing steels; e.g., vacuum-melted steels, and improved processing techniques, permit manufacture of bearings which offer endurance greater than that calculated by the RATING LIFE formula. Section 1.3 recommends methods to incorporate life adjustment factors for bearing materials into the life formula.

Bearing life calculated according to the RATING LIFE formula assumes proper application conditions. If lubrication is not adequate, loading unusual, or temperatures extreme, the ability of the bearing to attain or exceed the RATING LIFE is seriously impaired. Section 1.4 contains some basic recommendations concerning the effect of unusual application conditions on bearing life.

1.2 LIFE ADJUSTMENT FACTOR FOR RELIABILITY. Bearing life estimated in accordance with this standard is RATING LIFE; i.e., the life associated With 90% reliability or the life which 90% of a group of apparently identical bearings in a given application under similar conditions of load and speed will complete or exceed. While RATING LIFE has proven useful over a period of years as a criterion of performance, some applications require definition of life at reliabilities greater than 90%.

To determine bearing life with reliabilities other than 90% (as previously calculated in the Selection Procedure) the L_{10} must be adjusted by factor a_1, such that $L_n = a_1 \times L10$.

The life adjustment factors for reliability from Table 11 are recommended.

Table 11: Life Adjustment Factors For Reliability

Reliability %	Ln		Life Adjustment Factor for Reliability a1
90	L10		1
95	L5		0.62
96	L4	$\left(\frac{\text{Rating}}{\text{Life}}\right)$	0.53
97	L3		0.44
98	L2		0.33
99	L1		0.21

1.3 LIFE ADJUSTMENT FACTOR FOR MATERIAL. For bearings, which incorporate improved materials and processing, the L_{10} (as previously calculated in the Selection Procedure) must be adjusted by factor a_2. Factor a_2 depends upon steel analysis, metallurgical processing, forming methods, heat treatment and manufacturing methods in general.

Bearings fabricated from consumable vacuum remelted steels and certain other special analysis steels have demonstrated extraordinarily long endurance. These steels are of exceptionally high quality, and bearings fabricated from these are usually considered special manufacture. As such, a_2 values will not be specified for such steels in this discussion. Generally, a_2 values for such steels can be obtained from the bearing manufacturer.

Mounted Bearings Life Adjustment Factor

1.4 LIFE ADJUSTMENT FACTOR FOR APPLICATION CONDITIONS. Application conditions which affect bearing life include:

1. Lubrication.
2. Load distribution (including effects of clearance, misalignment, housing, and shaft stiffness, type of loading and thermal gradients).
3. Temperature.
   Consideration of (1.2) and (1.3) above requires analytical and experimental techniques beyond the scope of this discussion, therefore, the user should consult the bearing manufacturer for evaluations and recommendations.
   In most bearing applications, lubrication serves to separate the rolling surfaces; i.e., rolling elements and raceways; to reduce retainer-rolling elements and retainer-land friction and sometimes to act as a coolant to remove frictional heat generated by the bearing.
   If all limitations and qualifications specified by this discussion are observed, then the life adjustment application factor for bearings which are adequately lubricated is 1; i.e., a_3=1.
   Operating conditions where a_3 might be less than 1 include:
   a) exceptionally low values of Ndm (rpm times bore diameter in mm); e.g., Ndm 1000.
   b) Lubricant viscosity less than 20.4 centistokes (100 SUS) at operating temperature.
   c) Excessively high operating temperatures.
   When a3 is less than 1, it may not be assumed that the deficiency in lubrication can be overcome by using an improved steel.

1.5 FACTOR COMBINATIONS. A fatigue life formula including the life adjustment factors is:

Ball Bearings:

$$L_n = a_1 \times a_2 \times a_3 \left(\frac{C^*}{P}\right)^3 \times \frac{(16.667)}{RPM}$$

Tapered Roller Bearings:

$$L_n = a_1 \times a_2 \times a_3 \left(\frac{C90^*}{P}\right) \times \frac{(1{,}500{,}000)}{RPM}$$

Spherical Roller Bearings:

$$L_n = a_1 \times a_2 \times a_3 \left(\frac{C^*}{P}\right)^{10/3} \times \frac{(16.667)}{RPM}$$

Indiscriminate application of the life adjustment factors in this formula may lead to serious over-estimation of bearing endurance, since fatigue life is only one criterion for bearing selection.

Care must be exercised to select bearings which are of sufficient size for the application. Undersizing of shaft and housing structures by using bearings which appear adequate from a life standpoint could lead to misalignment and fitting problems which could invalidate the formulas in this discussion.

* C = Basic Load Rating computed in accordance with ABMA-ANSI Standards. C90 = C x .259

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V-Belt Drive Formulas

V-belt tensioning In cases where tensioning of a drive effects belt pull and bearing loads, the following formulas may be used.

$T_1 - T_2 = 33{,}000 \left(\frac{HP}{V}\right)$

where: T_1 = tight side tension, pounds
T_2 = slack side tension, pounds
HP = design horsepower
V = belt speed, feet per minute

$T_1 + T_2 = 33{,}000\ (2.5\text{-}G) \left(\frac{HP}{GV}\right)$

where: T_1 = tight side tension, pounds
T_2 = slack side tension, pounds
HP = design horsepower
V = belt speed, feet per minute"
G = arc of contact correction factor*

$T_1/T_2 = \frac{1}{1\text{-}0.8G}$ (Also $T1/T2 = e^{K\emptyset}$)

where: T_1 = tight side tension, pounds
T_2 = slack side tension, pounds
G = arc of contact correction factor*
e = base of natural logarithms
K = .51230, a constant for V-belt drive design
Ø = arc of contact in radians

$T_1 = 41{,}250\ (HP/GV)$

where: T_1 = tight side tension, pounds
HP = design horsepower
V = belt speed, feet per minute
G = arc of contact correction factor

$T_2 = 33{,}000\ (1.25\text{-}G)\ (HP/GV)$

where: T_2 = slack side tension, pounds
HP = design horsepower
V = belt speed, feet per minute
G = arc of contact correction factor

Belt Speed

$V = \frac{(PD)\ (RPM)}{3.82} = (PD)\ (rpm)\ (.262)$

where: V = belt speed, feet per minute
PD = pitch diameter of sheave or pulley
rpm = revolutions per minute of the same sheave or pulley

* See Table 12 at left

Table 12: Arc of Contact Correction Factor G

D-d / C	Small Sheave Arc of Contact	Factor G	D-d / C	Small Sheave Arc of Contact	Factor G
.00	180°	1.00	.80	133°	.87
.10	174°	.99	.90	127°	.85
.20	169°	.97	1.00	120°	.82
.30	163°	.96	1.10	130°	.80
.40	157°	.94	1.20	106°	.77
.50	151°	.93	1.30	99°	.73
.60	145°	.91	1.40	91°	.70
.70	139°	.89	1.50	83°	.65

D = Diam. of large sheave. d = Diam. of small sheave
C = Center distance

Table 13: Allowable Sheave Rim Speed

Sheave Material	Rim Speed in Feet per Minute
Cast Iron	6,500
Ductile Iron	8,000
Steel	10,000

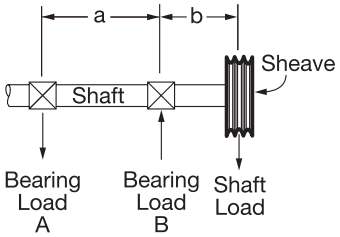
NOTE: Above rim speed values are maximum for normal considerations. In some cases these values may be exceeded. Consult factory and include complete details of proposed application.

Dynamic balance RPM for Sheave/Sprocket ◊ $= \frac{15600}{\sqrt{\text{Dia x Face Width}}}$

◊ **Note:** MPTA recommends Dynamic balance when application RPM exceeds this value.

Bearing Load Calculations

To find actual bearing loads, it is necessary to know machine component weights and values of all other forces contributing to the load. Sometimes it becomes desirable to know the bearing load imposed by the V-belt drive alone. This can be done if you know bearing spacing with respect to the sheave center and shaft load and apply it to the following formulas:

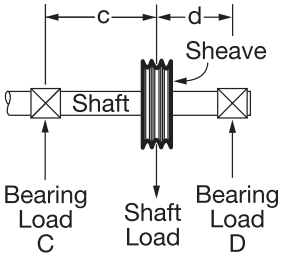


Overhung Sheave

Load at B, lbs. = $\frac{\text{Shaft Load x } (a + b)}{a}$

Load at A, lbs = Shaft Load x $\frac{b}{a}$

Where: a and b = Spacing, inches



Sheave Between Bearings

Load at D, lbs. = $\frac{\text{Shaft Load x c}}{c + d}$

Load at C, lbs = $\frac{\text{Shaft Load x d}}{c + d}$

Where: c and d = Spacing, inches

Nominal V-Belt Cross Sections

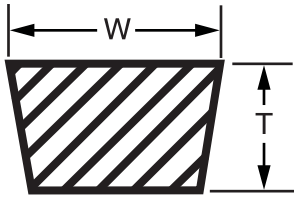


Table 14: Nominal V-Belt Cross Sections

Belt Section	Industry Standard Description	Width W, in Inches	Thickness T, in Inches
3L	FHP, Single	3/8	7/32
4L		1/2	5/16
5L		21/32	3/8
3V	Narrow	3/8	5/16
5V		5/8	17/32
8V		1	29/32
A	Classical Multiple	1/2	5/16
B		21/32	13/32
C		7/8	17/32
D		1-1/4	3/4

Table 15: Maximum Pulley RPM*

Pulley Dia. Inches	FPM												
	100	150	200	250	300	350	400	500	600	700	800	900	1000
6	64	95	127	159	191	223	254	318	382	445	509	573	636
8	48	72	95	119	143	167	191	239	286	334	382	429	477
10	38	57	76	95	115	134	153	191	229	267	305	344	382
12	32	48	64	80	95	111	127	159	191	223	254	286	318
14	27	41	55	68	82	95	109	136	164	191	218	245	273
16	24	36	48	60	72	83	95	119	143	167	191	215	239
18	21	32	42	53	64	74	85	106	127	148	170	191	212
20	19	29	38	48	57	67	76	95	115	134	153	172	191
24	16	24	32	40	48	56	64	80	95	111	127	143	159
30	13	19	25	32	38	45	51	64	76	89	102	115	127
36	11	16	21	27	32	37	42	53	64	74	85	95	106
42	9	14	18	23	27	32	36	45	55	64	73	82	91
48	8	12	16	20	24	28	32	40	48	56	64	72	80
54	7	11	14	18	21	25	28	35	42	49	57	64	71
60	6	10	13	16	19	22	25	32	38	45	51	57	64

* Maximum RPM values shown are based on 6,500 feet per minute for standard cast iron products. For higher rim speeds, contact Dodge Technical Support at 1-864-284-5700

For values not shown use formula below:

$$\text{Max RPM} = \frac{6{,}500}{2618 \times D}$$

D = Pulley Diameter, Inches

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Table 16: Material Characteristics

MATERIAL	DENSITY (LB/fT3)	ANGLE OF REPOSE (DEG)	RECOMMENDED MAXIMUM INCLINATION
Alfalfa, Ground	16	45°	
Alum, Lumpy	50 - 60	35°	
Alum, Pulverized	45 - 50	35°	
Alumina	60	30°	10-12
Aluminum Oxide	70 - 120	30°	
Ammonium Sulphate	45 - 60	45°	
Asbestos, Shredded	20 - 25	45°	
Ashes, Dry	35 - 40	45°	
Ashes, Wet	45 - 50	45°	
Ashes, Soft Coal	35 - 45	40°	
Asphalt, Crushed	45	35°	
Bagasse	7.50	45°	
Bakelite, Powder	30 - 40	45°	
Baking Powder	40 - 50	35°	
Bark, Wood Refuse	10 - 20	45°	27
Barley	38	25°	10-15
Basalt	80 - 120	25°	
Bauxite, Crushed	75 - 85	35°	20
Beans, Castor, Whole	30 - 45	25°	8-10
Beans, Cocoa	30 - 45	35°	
Beans, Navy	50	25°	
Beans, Whole	45	45°	
Bentonite, Crude	35 - 40	45°	
Bentonite, Fine	50 - 60	45°	
Bones, Pulverized	50 - 60	45°	
Borax, Fine	50 - 55	35°	
Borax Coarse	60 - 70	35°	
Bran	16	35°	
Brewers Grain, Dry	25 - 35	45°	
Brewers Grain, Wet	55 - 60	45°	
Buck Wheat	40	25°	11-13
Calcium, Carbide	70 - 80	35°	
Carbon Black, Pellets	25	25°	
Carbon Black, Powder	5	35°	
Cast Iron Chips	100 -120	45°	
Cement, Clinker	75 - 90	35°	
Cement, Portland	80 -100	35°	20-23
Chalk, Fine	65 - 75	45°	
Chalk, Lumpy	80 - 95	45°	
Charcoal, Wood	15 - 30	35°	20-25
Chromium Ore	125 - 140	35°	
Cinders, Coal	40	35°	20
Clay, Dry, Fine	100 - 120	35°	20-22
Clay, Dry, Lumpy	60 - 75	35°	18-20
Coal, Anthracite, Coarse	60 - 70	35°	18
Coal, Anthracite, Loose	50 - 60	30°	16
Coal, Bituminous, Coarse	50 - 60	35°	18
Coal, Bituminous, Loose	45 - 50	35°	16
Cocoa Nibs	35 - 40	35°	
Coconut, Shredded	20 - 25	45°	
Coffee, Fresh Beans	30 - 40	35°	10-15
Coffee, Roasted Beans	22 - 30	25°	
Coke, Loose	23 - 32	35°	18
Coke Pulverized	25 - 35	45°	20-22
Coke, Petroleum Calcinated	35 - 45	35°	20
Concrete, Cinder	112	0°	12-30
Concrete, Gravel & Sand	150	0°	
Copper Ore	120 - 150	35°	20
Copper Sulfate	75 - 85	30°	17
Cork, Ground	5 - 15	45°	
Corn, On Cob	45	0°	

MATERIAL	DENSITY (LB/fT3)	ANGLE OF REPOSE (DEG)	RECOMMENDED MAXIMUM INCLINATION
Corn, Shelled	45	25°	10
Corn Sugar	30	35°	
Corn Grits	40 - 45	35°	
Cornmeal	32- 40	35°	22
Cottonseed, Dry, De-Linted	35	35°	16
Cottonseed, Dry, Not De-Linted	18- 25	45°	19
Cottonseed, Cake, Lumpy	40- 45	35°	
Cottonseed, Hulls	12	45°	
Cottonseed, Meal	35- 40	35°	22
Cottonseed, Meats	40	35°	
Cryolite	90-110	35°	
Cullet	80-120	35°	20
Diatomaceous Earth	11- 14	35°	
Dolomite, Lumpy	90-100	35°	22
Dolomite, Pulverized	46	40°	
Earth, Dry"	70- 80	35°	20
Earth, Moist	75-110	40°	23
Earth, Fullers Dry	30- 35	23°	20
Emery	225	25°	
Epsom Salt	40- 50	35°	
Feldspar, Lumps	70-100	35°	17
Feldspar, Dust	80-100	40°	
Fish, Meal	35- 40	40°	
Fish, Scrap	40- 50	0°	
Flaxseed, Whole	45	25°	12
Flaxseed, Meal	25	35°	
Flour, Wheat	35- 40	45°	21
Flue Dust, Dry	30- 40	20°	
Fluorspar, Dust	85- 95	45°	
Fluorspar, Lumps	80-110	45°	
Foundry, Refuse	60- 80	35°	
Foundry Sand, Loose	80- 90	35°	
Foundry Sand, Rammed	100-110	0°	
Galena	250	35°	
Garbage, Average	30	25°	
Glass, Batch Fiber	45 - 55	10°	
Glass, Batch Wool	80-100	35°	20-22
Glass, Broken	80-100	10°	
Glue, Animal, Flaked	35	25°	
Glue, Vegetable, Powdered	40	35°	
Gluten, Meal	39	35°	
Granite, Lumps	150 -170	25°	
Graphite, Flakes	40	35°	
Graphite, Powder	30	25°	
Graphite, Ore	65 - 75	35°	
Grass Seed	10	35°	
Gravel, Dry	90-100	35°	15-17
Gravel, Wet	100-120	35°	
Gypsum, Lumps	90-100	35°	15
Gypsum, Ground	75- 80	35°	21
Hay, Loose	5	0°	
Hay, Pressed	25	0°	
Hominy	35- 50	35°	
Hops, Spent, Dry	25- 35	45°	
Hops, Spent, Wet	55- 60	45°	
Ice, Crushed	35- 40	20-	
Ilmenite Ore	140-160	35°	
Iron Ore	120-180	35°	18-20
Iron Ore, Pellets	120-140	35°	13-15
Iron Sulphate	50- 75	35°	
Iron Sulfide	120-140	35°	

Table 16: Material Characteristics (Continued)

MATERIAL	DENSITY (LB/fT3)	ANGLE OF REPOSE (DEG)	RECOMMENDED MAXIMUM INCLINATION
Kaolin, Clay	60	35°	19
Lactose	30	35°	
Lead Ore, Crushed	180 - 270	30°	
Lead Oxides	60 - 150	40°	
Lead Sulfate	170 - 190	45°	
Lead Sulfide	240 - 260	35°	
Lignite, Air Dried	45 - 55	35°	
Lime, Ground	60 - 65	40°	23
Lime, Hydrated	40	40°	21
Lime, Pebble	30 - 40	40°	17
Limestone, Loose	80 - 100	35°	20
Limestone, Pulverized	85 - 90	45°	18
Linseed, Whole	45 - 50	25°	
Linseed, Meal	30 - 40	35°	20
Magnesium Chloride	30 - 35	40°	
Magnesium Sulfate	40 - 60	35°	
Malt, Dry	25 - 30	30°	
Malt, Wet	60 - 65	45°	
Malt, Meal	35 - 40	35°	
Manganese Ore	125 - 140	40°	
Manganese Oxide	120	35°	
Manganese Sulfate	70	35°	
Manure	25	0°	
Marble, Crushed	80 - 95	35°	
Marl	80	35°	
Mica, Flakes	20	20°	
Mica, Ground	15	35°	23
Milk, Dried, Flaked	5	35°	
Milk, Malted	25 - 35	45°	
Milk, Powdered	20 - 30	40°	
Milo Maize	55 - 60	35°	
Molybdenum Ore	100 - 110	40°	
Mortar, Wet	150	0°	
Niacin	35	35°	
Nickel-Cobalt Sulfate Ore	80 - 150	35°	
Oats	25 - 35	25°	10
Oats, Rolled	20	35°	
Oil Cake	50	45°	
Oxalic Acid Crystals	60	35°	
Oyster Shells, Ground	50 - 60	35°	
Oyster Shells, Whole	80	35°	
Paper Pulp Stock	40 - 60	20°	
Peanuts, Shelled	35 - 45	35°	
Peanuts, Not Shelled	15 - 20	35°	
Peas, Dried	45 - 50	0°	
Phosphate, Fertilizer	50 - 60	35°	30
Phosphate, Rock, Crushed	60 - 100	35°	25
Potash	70 - 80	30°	
Potassium Chloride	120 - 130	35°	
Potassium Nitrate	75 - 80	25°	
Potassium Sulfate	45	45°	
Potatoes, White”	48	0°	
Pumice, Ground	40 - 45	45°	
Pyrites, Lumps	135 - 145	25°	
Pyrites, Pellets	120 - 130	35°	
Quartz, Lumps	95 - 100	25°	
Quartz, Sand	70 - 80	25°	
Rice, Hulled	45 - 50	20°	8
Rice, Rough	35	35°	
Rice, Grits	40 - 45	35°	
Rock, Crushed	100 - 150	30°	

MATERIAL	DENSITY (LB/fT3)	ANGLE OF REPOSE (DEG)	RECOMMENDED MAXIMUM INCLINATION
Rubber, Pellets	50 - 55	35°	22
Rubber, Ground Scrap	25 - 35	45°	18
Rye	42 - 45	25°	8
Rye Meal	35 - 40	20°	
Salt Cake	80 - 95	30°	21
Salt, Coarse”	45 - 55	35°	18-22
Salt, Fine”	70 - 80	35°	11
Sand, Wet	110 - 130	45°	20-22
Sand, Dry	90 - 110	35°	16-18
Sand, Loose, Foundry	80 - 100	35°	22
Sand, Foundry, Rammed	100 - 110	0°	24
Sandstone	80 - 90	35°	
Sawdust	10 - 25	30°	22
Scale, Rolling Mill	125 - 160	45°	
Sewage Sludge, Dry	45 - 55	35°	
Sewage Sludge, Wet	50 - 60	35°	
Shale, Broken	90 - 100	25°	
Shale, Crushed	85 - 90	40°	22
Silica Gel, Dry	45	35°	
Slag, Blast Furnace	80 - 90	25°	10
Slag, Granular, Dry	60 - 65	25°	13-16
Slag, Granular, Wet	90 - 100	45°	20-22
Slate, Ground	80 - 90	30°	15
Slate, Lumps	85 - 95	0°	
Snow, Compacted	15 - 50	0°	
Soap	10 - 25	35°	
Soda Ash, Briquettes	50	20°	7
Soda Ash, Heavy	55 - 65	30°	19
Soda Ash, Light	20 - 35	35°	22
Sodium Aluminum, Ground	72	35°	
Sodium Nitrate, Ground	70 - 80	24°	11
Sodium Phosphate	50 - 65	35°	
Soybeans, Cracked	30 - 40	35°	15-18
Soybeans, Whole”	45 - 50	25°	12-16
Starch, Powdered	25 - 45	25°	12
Steel, Chips	100 - 150	35°	18
Steel, Turnings	60 - 120	45°	
Sugar, Cane, Raw	55 - 65	45°	
Sugar. Granulated, Dry	50 - 55	35°	
Sugar, Granulated, Wet	55 - 65	40°	
Sugar Cane, Knifed	15 - 18	45°	
Sulphur, Lumps	80 - 85	35°	
Sulphur, Dust	50 - 70	35°	
Saconite, Pellets	120 - 140	35°	13-15
Salc, Granulated	50 - 70	20°	
Titanium Dioxide	140	35°	
Titanium Sponge	60 - 70	45°	
Tobacco, Leaves	14	45°	
Tobacco, Scraps	15 - 25	45°	
Tobacco, Stems	15	45°	
Traprock, Crushed	95 - 110	35°	
Traprock, Lumps	100 - 110	35°	
Turf	20 - 30	0°	
Walnut, Shells	35 - 45	35°	
Wheat	48	25°	12
Wheat, Cracked	40 - 45	35°	
Wheat Germ, Dry	20 - 30	25°	27
Wood Chips	10 - 30	45°	22
Zinc Ore, Granular	160	35°	
Zinc Oxide	10 - 35	45°	

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Shafting

Table 17: Typical Commercial Shaft Tolerances

Shaft Size	Plus	Minus
Up to 1-1/2”	.000	.002
Over 1-1/2 to 2-1/2”	.000	.003
Over 2-1/2 to 4”	.000	.004
Over 4 to 6”	.000	.005
Over 6 to 8”	.000	.006
Over 8 to 9”	.000	.007
Over 9”	.000	.008

Table 18: Shaft Tolerances

Shaft Size	Tolerance, Inches
Up to 1-1/2”	+.0000 -.0005”
1-5/8 to 4”	+.000 -.001”
4-7/16 to 6”	+.000 -.0015”
6-7/16 to 8”	+.000 -.002”

Table 18 lists the recommended tolerances for all setscrew locking, eccentric locking and D-LOK locking ball and roller bearings

Table 19: Shaft Tolerances

Shaft Size	Tolerance, Inches
Up to 1-1/2”	+.000 -.002”
1-9/16 to 2-1/2”	+.000 -.003”
2-5/8 to 4”	+.000 -.004”
4-3/16 to 6”	+.000 -.005”
6-7/16” and above	+.000 -.006”

Table 19 list the recommended tolerances for all tapered adapter sleeve ball and roller bearings

Standard Shafting – Table 17 indicates standard shafting is cold drawn in the smaller sizes and turned and polished in the larger diameters. It has a smooth surface, is commercially straight and is readily machinable; suitable and recommended for general power transmission and material handling service.

Special Shafting – While standard shafting is suitable for most installations, special shafting is sometimes required for certain chemical, temperature or physical requirements. Such materials as high carbon steel, alloy steel, stainless steel, brass, Monel metal, etc., can be furnished plain or heat treated. Stepped, flanged, hollow or other special forms are available.

Special shafting should be avoided in favor of standard shafting wherever possible because special shafting is usually considerably more expensive and requires a greater length of time to obtain, which is an especially important consideration should quick replacement ever become necessary.

Ordering Shafting – Standard shafting can be obtained from most supply houses and dealers who handle power transmission material.

Turning Down Shaft Ends – When necessary to turn down shaft ends, use as large a fillet as possible to keep the stress concentration to a minimum. The radius of this fillet should preferably be not less than the difference in the two diameters joined by the fillet. The fillet should be finished and polished as smoothly as possible to avoid scratches which might start cracks and lead to failure of the shaft by fatigue.

Selection of Shaft Diameters

Tables 21 - 24 inclusive can be used to find approximate shaft diameter for various service conditions For greater accuracy use chart under heading “Combined Torsion and Bending of Standard Shafts” (PT15-18).

Tables and chart are based upon a safe shear stress of 6,000 pounds per square inch for standard keyseated shafting. Be generous in the selection of shaft diameters as liberal diameters not only reduce deflection and vibration but also generally increase bearing life.

When necessary to use other than standard shafting, find the required diameter for standard shafting as outlined above and multiply by proper factor shown in Table 25, under heading “Factors for Shafting Other than Standard Shafting,” on page PT15-17.

Table 20: No Bending Moment (Shafts without pulleys, sprockets or gears - Torsion only)

Shaft Size	Horse Power at Various Revolutions per Minute																		
	25	50	75	100	125	150	175	200	225	250	275	300	350	400	500	600	700	800	900
15/16	0.30	0.70	1.10	1.50	1.90	2.30	2.60	3	3.40	3.80	4.20	4.60	5.30	6.10	7.70	9.20	10.70	12.30	13.80
1-3/16	0.70	1.50	2.30	3.10	3.90	4.60	5.40	6.20	7	7.80	8.60	9.30	10.90	12.50	15.60	18.70	21.90	25	28.10
1-7/16	1.30	2.70	4.10	5.50	6.90	8.30	9.70	11.10	12.40	13.80	15.20	16.60	19.40	22.20	27.70	33.30	38.80	44.40	49.90
1-11/16	2.20	4.40	6.60	8.90	11.20	13.40	15.70	17.90	20.20	22.40	24.70	26.90	31.40	35.90	44.90	53.80	62.80	71.80	80.80
1-15/16	3.30	6.70	10.10	13.50	16.90	20.30	23.70	27.10	30.50	33.90	37.30	40.70	47.50	54.30	67.90	81.50	95.10	108	122
2-3/16	4.90	9.80	14.60	19.50	24.40	29.30	34.20	39.10	44	48.90	53.80	58.60	68.40	78.20	97.80	117	136	156	176
2-7/16	6.70	13.50	20.20	27	33.80	40.60	47.30	54.10	60.90	67.60	74.40	81.20	94.70	108	135	162	189	216	243
2-11/16	9	18.10	27.10	36.20	45.30	54.40	63.40	72.50	81.60	90.70	99.70	108	126	145	181	217	253	290	326
2-15/16	11.80	23.60	35.40	47.30	59.20	71	82.90	94.70	106	118	130	142	165	189	236	284	331	379	426
3-7/16	19	37.90	57	75.90	94.90	113	132	151	170	189	208	227	265	303	379	455	531	607	683
3-15/16	28.50	57	85.50	114	142	171	199	228	256	285	313	342	399	456	570	684	798	912	1026
4-7/16	40.80	81.60	122	163	204	245	286	327	367	408	449	490	572	653	816	980	1143	1306	1470

Table 21: Limited Bending Moment (Pulleys, sprockets or gears near bearings. Ordinary line shafts.)

Shaft Size	Horse Power at Various Revolutions per Minute																		
	25	50	75	100	125	150	175	200	225	250	275	300	350	400	500	600	700	800	900
15/16	0.20	0.50	0.70	1	1.20	1.50	1.70	2	2.30	2.50	2.80	3	3.50	4.10	5.10	6.10	7.10	8.20	9.20
1-3/16	0.50	1	1.50	2	2.60	3.10	3.60	4.10	4.70	5.20	5.70	6.20	7.30	8.30	10.40	12.50	14.60	16.70	18.80
1-7/16	0.90	1.80	2.70	3.70	4.60	5.50	6.40	7.40	8.30	9.20	10.10	11.10	12.90	14.80	18.50	22.20	25.90	29.60	33.30
1-11/6	1.40	2.90	4.30	5.90	7.40	8.90	10.40	11.90	13.40	14.90	16.40	17.90	20.90	23.90	29.90	35.90	41.90	47.90	53.90
1-15/16	2.20	4.50	6.70	9	11.30	13.60	15.80	18.10	20.40	22.60	24.90	27.20	31.70	36.20	45.30	54.40	63.40	72.50	81.60
2-3/16	3.20	6.50	9.70	13	16.30	19.50	22.80	26.10	29.30	32.60	35.80	39.10	45.60	52.20	65.20	78.30	91.30	104	117
2-7/16	4.50	9	13.50	18	22.50	27	31.60	36.10	40.60	45.10	49.60	54.10	63.20	72.20	90.20	108	126	144	162
2-11/16	6	12.10	18.10	24.20	30.20	36.30	42.30	48.40	54.40	60.50	66.50	72.60	84.70	96.80	121	145	169	193	217
2-15/16	7.90	15.80	23.70	31.60	39.50	47.40	55.30	63.20	71.10	79	86.90	94.80	110	126	158	189	221	252	284
3-7/16	12.60	25.30	37.90	50.60	63.30	75.90	88.60	101	113	126	139	151	177	202	253	303	354	405	455
3-15/16	19	38	57	76.10	94.10	114	133	152	171	190	209	228	266	304	380	456	532	608	685
4-7/16	27	54	81	108	136	163	190	217	245	272	299	326	381	435	544	653	762	871	980
4-15/16	37	75	112	150	187	225	262	300	337	375	412	450	525	600	750	900	1050	1200	1350
5-7/16	50	100	150	200	250	300	350	400	451	501	551	601	701	801	1002	1202	1403	1603	1804
5-15/16	65	130	195	261	326	391	456	522	587	652	717	783	913	1044	1305	1566	1827	2088	2349
6-1/2	85	171	256	342	427	513	598	684	769	855	940	1026	1197	1368	1710	2052	2394	2736	3078

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Selection of Shaft Diameters (Cont'd)

Table 22: Heavy Bending Moment. (Use for main or important shafts.)

Shaft Size	Horse Power at Various Revolutions per Minute																		
	25	50	75	100	125	150	175	200	225	250	275	300	350	400	500	600	700	800	900
1-11/16	0.80	1.70	2.50	3.50	4.40	5.30	6.20	7.10	8	8.90	9.80	10.70	12.50	14.30	17.90	21.50	25.10	28.70	32.30
1-15/16	1.30	2.70	4	5.40	6.70	8.10	9.50	10.80	12.20	13.50	14.90	16.30	19	21.70	27.10	32.60	38	43.50	48.90
2-3/16	1.90	3.90	5.80	7.80	9.70	11.70	13.70	15.60	17.60	19.50	21.50	23.40	27.40	31.30	39.10	46.90	54.80	62.60	70.40
2-7/16	2.70	5.40	8.10	10.80	13.50	16.20	18.90	21.60	24.30	27	29.70	32.40	37.90	43.30	54.10	64.90	75.80	86.60	97.40
2-11/16	3.60	7.20	10.80	14.50	18.10	21.70	25.40	29	32.60	36.20	39.90	43.50	50.80	58	72.50	87.10	101	116	130
2-15/16	4.70	9.40	14.10	18.90	23.60	28.40	33.10	37.90	42.60	47.30	52.10	56.80	66.30	75.80	94.70	113	132	151	170
3-7/16	7.50	15.10	22.60	30.30	37.90	45.50	53.10	60.70	68.30	75.90	83.50	91.10	106	121	151	182	212	243	273
3-15/16	11.40	22.80	34.20	45.60	57	68.40	79.90	91.30	102	114	125	136	159	182	228	273	319	365	410
4-7/16	16.30	32.60	48.90	65.30	81.60	98	114	130	147	163	179	196	228	261	326	392	457	522	588
4-15/16	22.50	45	67.50	90	112	135	157	180	202	225	247	270	315	360	450	540	630	720	810
5-7/16	30	60	90	120	150	180	210	240	270	300	330	360	420	480	601	721	841	961	1082
5-15/16	39	78	117	156	195	234	273	313	352	391	430	469	547	626	782	939	1095	1252	1409
6-1/2	51	102	153	205	256	308	359	410	462	513	564	616	718	821	1027	1232	1437	1643	1848
7	64	128	192	256	320	384	448	513	577	641	705	769	897	1026	1282	1539	1795	2052	2308
7-1/2	78.50	157	235	315	394	473	552	631	709	788	867	946	1104	1262	1577	1893	2208	2524	2839
8	95.50	191	286	382	478	574	670	765	861	957	1053	1148	1340	1531	1914	2297	2680	3063	3446
8-1/2	114	229	343	459	574	688	803	918	1033	1148	1263	1377	1607	1837	2296	2755	3215	3674	4133
9	136	272	408	545	681	817	954	1090	1226	1363	1499	1635	1908	2181	2726	3271	3816	4362	4907
9-1/2	160	320	480	641	801	961	1122	1282	1442	1603	1763	1923	2244	2565	3206	3847	4488	5130	5771
10	186	373	559	747	934	1121	1308	1495	1682	1869	2056	2243	2617	2991	3739	4487	5235	5983	6731

Table 23: Severe Conditions (Heavy shock loads. Excessively tight belts, long clutch sleeves.)

Shaft Size	Horse Power at Various Revolutions per Minute																		
	25	50	75	100	125	150	175	200	225	250	275	300	350	400	500	600	700	800	900
1-11/16	0.4	0.8	1.2	1.7	2.2	2.6	3.1	3.5	4	4.4	4.9	5.3	6.2	7.1	8.9	10.7	12.5	14.3	16.10
1-15/16	0.6	1.3	2	2.7	3.3	4	4.7	5.4	6.1	6.7	7.4	8.1	9.5	10.8	13.5	16.3	19	21.7	24.40
2-3/16	0.90	1.90	2.90	3.90	4.80	5.80	6.80	7.80	8.80	9.70	10.70	11.70	13.70	15.60	19.50	23.40	27.40	31.30	35.20
2-7/16	1.30	2.70	4	5.40	6.70	8.10	9.40	10.80	12.10	13.50	14.80	16.20	18.90	21.60	27	32.40	37.90	43.30	48.70
2-11/16	1.80	3.60	5.40	7.20	9	10.80	12.70	14.50	16.30	18.10	19.90	21.70	25.40	29	36.20	43.50	50.50	58	65
2-15/16	2.30	4.70	7	9.40	11.80	14.20	16.50	18.90	21.30	23.60	26	28.40	33.10	37.90	47.30	56.50	66	75.50	85
3-7/16	3.70	7.50	11.30	15.1	18.90	22.70	26.50	30.30	34.10	37.90	41.70	45.50	53	60.50	75.50	91	106	121	136
3-15/16	5.70	11.40	17.10	22.8	28.50	34.20	39.90	45.60	51	57	62.50	68	79.50	91	114	136	159	182	205
4-7/16	8.10	16.30	24.40	32.6	40.80	49	57	65	73.50	81.50	89.50	98	114	130	163	196	228	261	294
4-15/16	11.20	22.50	33.70	45	56	67.50	78.50	90	101	112	123	135	157	180	225	270	315	360	405
5-7/16	15	30	45	60	75	90	105	120	135	150	165	180	210	240	300	360	420	480	541
5-15/16	19.50	39	58.50	78	97.10	117	136	156	171	195	215	234	273	313	391	469	547	626	704
6-1/2	25.50	51	76.50	102.5	128	154	179	205	231	256	282	308	359	410	513	616	718	821	924
7	32	64.90	96	128	160	192	224	256	288	320	352	384	448	513	641	769	897	1026	1154
7-1/2	39.20	78.50	117	157	197	236	276	315	354	394	433	473	552	631	788	946	1104	1262	1419
8	47.70	95.50	143	191	239	287	335	382	430	478	526	574	670	765	957	1148	1340	1531	1723
8-1/2	57	114	171	229	287	344	401	459	516	574	631	688	803	918	1148	1377	1607	1837	2066
9	68	136	204	272	340	408	477	545	613	681	749	817	954	1090	1363	1635	1908	2181	2453
9-1/2	80	160	240	320	400	480	561	641	721	801	881	961	1122	1282	1603	1923	2244	2565	2885
10	93	186	279	373	467	560	654	747	841	934	1028	1121	1308	1495	1869	2243	2617	2991	3365

Caution: Be generous in the selection of shaft diameters as liberal diameters not only reduce deflection and vibration but also generally increase bearing life.
See notes on next page.

Selection of Shaft Diameters (Cont'd)

Shaft Stiffness, Shaft Deflection – Standard shafting of adequate strength usually has a sufficiently large diameter to prevent excessive deflection in ordinary installations. It is wise to select shafting of generous diameter, as the greater the diameter, the greater the stiffness. A high tensile strength alloy shaft, although stronger, is no stiffer than a standard shaft of the same diameter.

While it is sometimes possible to use an alloy shaft of less diameter than a standard shaft of equal strength, this practice is usually inadvisable, as the deflection is increased.

Shafts carrying medium or long clutch sleeves should be especially generous.

High Speed Shafts – High speed sometimes causes shaft whipping or vibration. This can be prevented by making the shaft diameter generous and the distance between bearing centers short.

Location of the bearings close to wheels and couplings is advisable whether the shaft is transmitting heavy or light loads.

The use of high tensile strength alloy shafting instead of standard shafting is of no help in preventing vibration as this will not improve the stiffness nor deflection characteristics of the shaft.

Stepped Shafts – For a heavily loaded wheel, a shaft with a boss or enlarged section under the wheel and turned to a smaller diameter at the bearings often provides the most economical installation. The two different diameters should be joined by a very generous fillet, otherwise a dangerous concentration of stress will occur at the fillet. See heading – "Turning Down Shaft Ends." on page PT15-14.

Shaft Keyseats – Plain keyseats are preferable to round end keyseats in respect to causing the least concentration of stress. However, round end keyseats are often used because of design and assembly requirements. Ends left by the milling cutter should not project into babbitted or bronze bushed bearing, but may project under the sleeve of any DODGE anti-friction bearing.

Shaft diameters obtained from the tables or chart allow for the use of keyseats.

Shaft Bearings – On ordinary line shafting, bearings are commonly spaced about eight feet centers. On large diameter shafts, the spacing may be somewhat greater.

Wheels and clutches should be located near bearings to avoid dangerous bending, deflection and vibration.

Bearings should be mounted on adequate supports so that accurate alignment may be maintained. Shaft misalignment may cause shaft or bearing failure.

Shaft Couplings – Where a rigid coupling is used, it is preferable to have a bearing fairly close. Where a cutoff coupling or a flexible coupling is used, locate bearings close to each end of the coupling.

Expansion of Shafting – Where changes in the length of the shaft due to changes in temperature are to be expected and the bearings are mounted on supporting structures other than steel, consideration must be given to expansion. For more detailed information see page PT15-19, headed "Expansion of Shafting."

Factors for Shafting Other Than Standard Shafting

When it is necessary to use other than standard shafting, multiply required diameter for standard shafting as found in the tables or chart by proper factor from Table 24 below.

Standard keyseated shafting, using a safe shear stress of 6,000 PSI is the basis of shafting tables and chart. For safe shear stress of other materials, use 1/10 of nominal ultimate tensile strength. For example, use 8,000 for C1045 and 10,000 for 4140 keyseated shafting. When definite physical specifications are known the least of 13.5% of minimum ultimate tensile strength and 22.5% of minimum elastic limit in tension may be used for keyseated shafting; 18% and 30% respectively if not keyseated.

Caution – As the deflection of steel shafting depends upon the diameter and not upon the analysis of the steel, care should be exercised in the use of alloy shafting not to reduce the diameter unduly. Deflection should not be excessive and bearing capacities should be adequate. It is usually best to use standard shafting instead of a smaller diameter alloy shaft. The smaller alloy shaft may safely transmit the torque but often is undesirable in respect to deflection, vibration and bearing life

Table 24: Shear Stress Factors

Safe Shear Stress	Factor	Safe Shear Stress	Factor	Safe Shear Stress	Factor	Safe Shear Stress	Factor	Safe Shear Stress	Factor
500	2.289	3,000	1.260	5,500	1.029	9,000	.874	14,000	.754
1,000	1.817	3,500	1.197	6,000	1.000	10,000	.843	15,000	.737
1,500	1.587	4,000	1.145	6,500	.974	11,000	.817	16,000	.721
2,000	1.442	4,500	1.101	7,000	.950	12,000	.794	17,000	.707
2,500	1.339	5,000	1.063	8,000	.909	13,000	.773	18,000	.693

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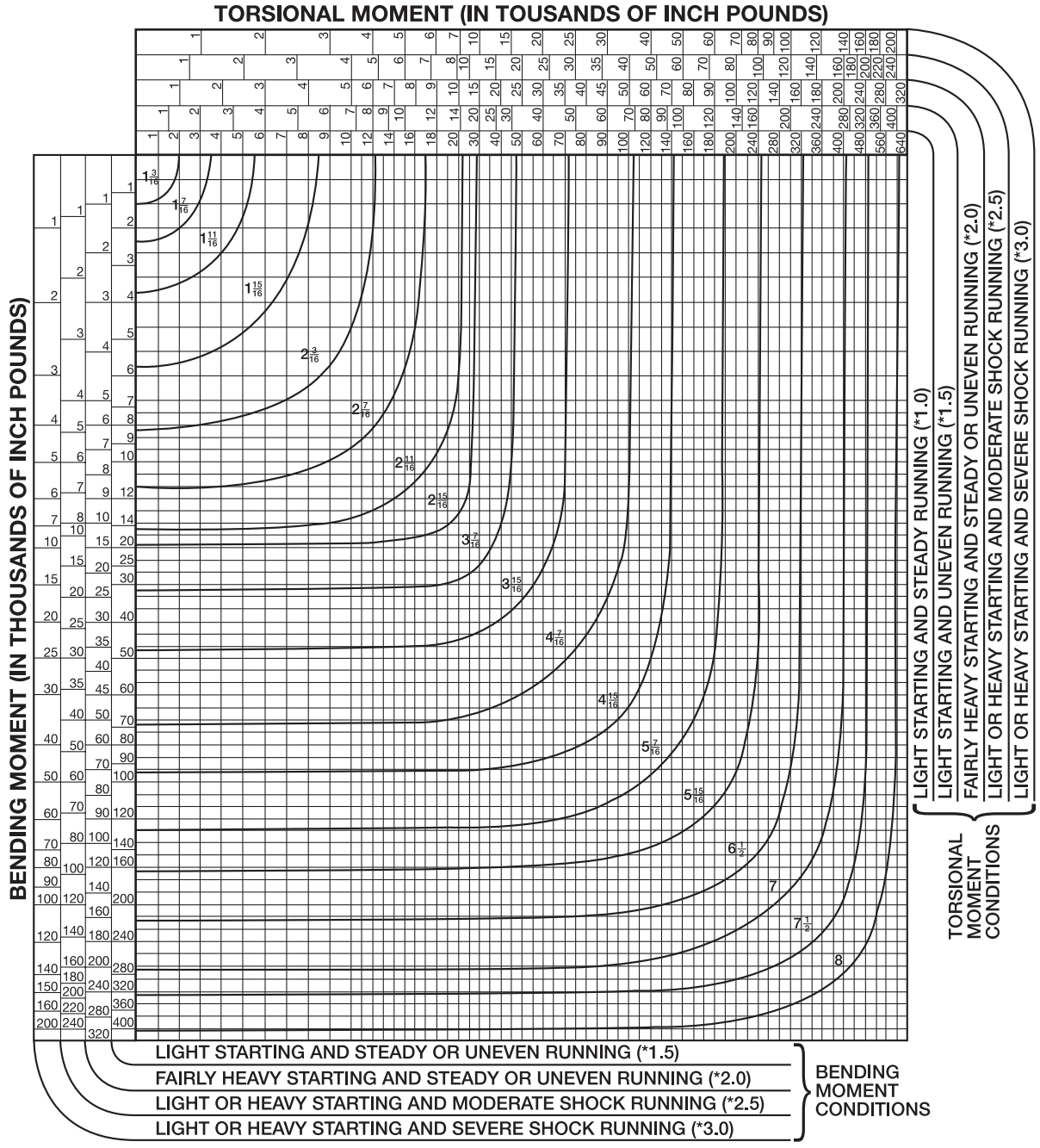
Combined Torsion and Bending of Standard Shaft (Based on a Safe Shear Stress of 6,000 PS for Keyseated Shafting)



Example: Engine extension shaft driving single cylinder compressor, 15,000 pound-inches torsional moment, 14,000 pound- inches bending moment. Because of the heavy shock running load conditions use scales designated “Light or Heavy Starting and Severe Shock Running”. Project a line down from 15,000 torsional moment. Project a line to the right from 14,000 bending moment. The two lines intersect between 3-7/16 and 3-15/16 curves. Use 3-15/16 standard shafting.

Note: The above chart is based on ASME approved standard ASA-B17C-1927 withdrawn in 1954. If the latest shaft selection analysis is required refer to ANSI/ASME B106.1M-1985.

Note: If considering use of other shafting material refer to “Selection of Shaft Diameters” on page B15-15.

Expansion of Shafting

Provision should be made to permit the free movement of shafting endwise due to temperature changes. One bearing should serve as an anchor bearing to locate the shaft endwise. All other bearings should permit the shaft to move freely endwise.

The anchor bearing is often located near an important wheel. On long shafts it should preferably be located near the center of the shaft to keep the expansion of the two ends to a minimum. If the anchor bearing is babbitted it should be fitted with collars. If it is an anti-friction bearing it should be of the non-expansion type, which is the designation of DODGE roller and ball bearings for use as anchor bearings.

All bearings on the shafting other than the anchor bearing should permit the shaft to move freely endwise. If babbitted there should be no thrust collars. If anti-friction these bearings should be of the expansion type.

Several shafts firmly fastened together expand as if one continuous shaft. An example of this is line shafting with flange couplings. If the expansion is considered excessive a long line shaft may be split into two or more sections, the sections being connected with expansion couplings.

Amount of Expansion to be provided for –

The amount of shaft expansion is given in Table 25 below. For example, with a 100°F temperature rise on a 150 ft. line shaft with the anchor bearing located 70 ft. from one end and 80 ft. from the other end the ends will move .529" and .605" respectively away from the anchor bearing. The structure supporting the bearings may also expand but usually not as rapidly and as much as the shafting. Several cases follow:

Case 1 – Bearings supported on steel structures, where the shaft and structure are exposed to the same temperatures, will expand at the same rate. Expansion allowance is usually not required. If the shaft is exposed to a higher temperature than the support, allowances should be made. For example, if the shaft temperature is expected to change 80°, and the temperature of the structure 60°, the resulting movement between shafting and support ends will be equivalent to a 20° change.

Case 2 – For bearings supported on wood, brick, or concrete walls, or on piers with foundations in the ground, the amount of expansion is usually considered negligible. Therefore, the full amount of shafting expansion as calculated in Table 25 below, may be accommodated.

Case 3 – Certain structural designs have built-in flexibility. Where this is the case, expansion type bearings are not necessary.

Case 4 – Short shafts with only two bearings are usually designed without compensation for expansion, if temperature variations are not excessive.

Advice on Expansion Problems –

DODGE power transmission engineers will gladly make recommendations concerning shaft expansion problems and the use of suitable bearings.

Table 25: Linear Expansion of Steel Shafting

Base on Expansion In Inches = 0.0000063 x 12 x Length in Feet x Temp. Increase in Degrees Fahrenheit

Length (Feet)	Temperature Increase-Degrees F.					Length (Feet)	Temperature Increase-Degrees F.				
	20°	40°	60°	80°	100°		20°	40°	60°	80°	100°
1	.0015	.0030	.0045	.0060	.0075	40	.060	.121	.181	.242	.302
2	.0030	.0060	.0091	.0121	.0151	45	.068	.136	.204	.272	.340
3	.0045	.0091	.0136	.0181	.0227	50	.076	.151	.227	.302	.378
4	.0060	.0121	.0181	.0242	.0302	55	.083	.166	.249	.333	.416
5	.0076	.0151	.0227	.0302	.0378	60	.091	.181	.272	.363	.454
6	.0091	.0181	.0272	.0363	.0454	65	.098	.197	.295	.393	.491
7	.0106	.0212	.0318	.0423	.0529	70	.106	.212	.317	.423	.529
8	.0121	.0242	.0363	.0484	.0605	75	.113	.227	.340	.454	.567
9	.0136	.0272	.0408	.0544	.0680	80	.121	.242	.363	.484	.605
10	.0151	.0302	.0454	.0605	.0756	85	.129	.257	.386	.514	.643
12	.0181	.0363	.0544	.0726	.0907	90	.136	.272	.408	.544	.680
14	.0212	.0423	.0635	.0847	.1058	95	.144	.287	.431	.575	.718
16	.024	.048	.073	.097	.121	100	.151	.302	.454	.605	.756
18	.027	.054	.082	.109	.136	110	.166	.333	.499	.665	.832
20	.030	.060	.091	.121	.151	120	.181	.363	.544	.726	.907
25	.038	.076	.113	.151	.189	130	.197	.393	.590	.786	.983
30	.045	.091	.136	.181	.227	140	.212	.423	.635	.847	1.058
35	.053	.106	.158	.212	.265	150	.227	.454	.680	.907	1.134

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Weights and Properties of Steel Shafting

Table 26: Weight of Round Steel Shafting

Shaft Size	Weight of Shafting for Various Lengths in feet																	Weight Per Inc.
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24	
3/4	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15	18	21	24	27	30	33	36	.125
7/8	2.0	4.0	6.1	8.1	10.2	12.2	14.3	16.3	18.4	20	25	29	33	37	41	45	49	.170
*15/16	2.3	4.7	7.0	9.4	11.7	14.1	16.5	18.8	21.2	23	28	33	38	42	47	52	56	.195
1	2.7	5.3	8.0	10.6	13.3	16.0	18.6	21.3	24.0	27	32	37	43	48	53	59	64	.223
1-1/8	3.4	6.8	10.0	13.4	16.7	20.1	23.4	26.7	30.1	34	41	47	54	61	68	74	81	.281
*1-3/16	3.8	7.6	11.3	15.1	18.9	22.6	26.4	30.1	34.0	38	45	53	60	68	75	83	90	.314
1-1/4	4.2	8.3	12.5	16.7	20.8	25.0	29.2	33.3	37.5	42	50	58	67	75	83	92	100	.348
1-3/8	5.0	10.1	15.3	20.2	25.3	30.3	35.4	40.4	45.4	50	60	71	81	91	101	111	121	.420
*1-7/16	5.5	11	17	22	28	33	39	44	50	55	66	77	88	99	110	121	133	.460
1-1/2	6.0	12	18	24	30	36	42	48	54	60	72	84	96	108	120	132	144	.500
*1-11/16	7.6	15	23	30	38	46	53	61	68	76	91	107	122	137	152	167	183	.634
*1-15/16	10.0	20	30	40	50	60	70	80	90	100	120	140	161	181	201	221	241	.835
2	10.7	21	32	43	53	64	75	85	96	107	128	150	171	192	214	235	256	.890
*2-3/16	12.8	26	38	51	64	77	90	102	115	128	153	179	205	230	256	281	307	1.06
*2-7/16	15.9	32	48	63	79	95	111	127	143	159	190	222	254	286	317	349	381	1.32
2-1/2	16.7	34	50	67	83	100	117	134	150	167	200	234	267	301	334	367	401	1.39
*2-11/16	19.3	39	58	77	97	116	135	154	174	193	232	270	309	348	386	425	463	1.61
*2-15/16	23.0	46	69	92	115	138	161	184	208	231	277	323	369	415	461	507	553	1.92
*3-7/16	31.6	63	95	126	158	189	221	253	284	316	379	442	505	568	631	695	758	2.63
*3-15/16	41.4	83	124	166	207	248	290	331	373	414	497	580	662	745	828	911	994	3.45
*4-7/16	52.6	105	158	210	263	315	368	421	473	526	631	736	841	946	1052	1157	1262	4.38
*4-15/6	65.1	130	195	260	326	391	456	521	586	651	781	911	1041	1172	1302	1432	1562	5.42
*5-7/16	79.0	158	237	316	395	474	553	632	711	790	947	1105	1263	1421	1579	1737	1894	6.58
*6	96	192	288	384	481	577	673	769	865	961	1154	1346	1538	1730	1923	2115	2307	8.01

* **Recommended Diameters** These shaft diameters are recommended for use whenever possible as various transmission items such as couplings, collars, clutches, pulleys, etc., are carried in stock in these sizes, at least up to 3-15/16", in the principal cities throughout the United States.

Table 27: Weight and Properties of Round Steel Shafting

Shaft Size	Weight per Inch	Section Modulus		Moment of Inertia		Shaft Size	Weight per Inch	Section Modulus		Moment of Inertia	
		Bending	Torsion	Bending	Torsion			Bending	Torsion	Bending	Torsion
1/16	.00087	.000024	.000048	.000001	.000002	2-7/16	1.32	1.422	2.844	1.733	3.466
1/8	.0035	.000192	.000383	.000012	.000024	2-1/2	1.39	1.534	3.068	1.918	3.835
3/16	.0078	.000647	.001294	.000061	.000121	2-9/16	1.46	1.652	3.304	2.117	4.233
1/4	.0139	.001534	.003068	.000192	.000383	2-5/8	1.53	1.776	3.552	2.331	4.661
5/16	.0217	.002996	.005992	.000468	.000936	2-11/16	1.61	1.906	3.811	2.561	5.122
3/8	.0313	.005177	.010354	.000971	.001941	2-3/4	1.68	2.042	4.084	2.807	5.615
7/16	.0425	.008221	.016442	.001798	.003597	2-13/16	1.76	2.184	4.368	3.071	6.143
1/2	.0556	.0123	.0245	.0031	.0061	2-7/8	1.84	2.333	4.666	3.354	6.707
9/16	.0703	.0175	.0349	.0049	.0098	2-15/16	1.92	2.489	4.977	3.655	7.310
5/8	.0868	.0240	.0479	.0075	.0150	3	2.00	2.651	5.301	3.976	7.952
11/16	.1051	.0319	.0638	.0110	.0219	3-1/16	2.08	2.820	5.640	4.318	8.636
3/4	.125	.0414	.0828	.0155	.0311	3-1/8	2.17	2.996	5.992	4.681	9.363
13/16	.1467	.0527	.1053	.0214	.0428	3-3/16	2.26	3.179	6.359	5.067	10.13
7/8	.1701	.0658	.1315	.0288	.0575	3-1/4	2.35	3.370	6.740	5.477	10.95
15/16	.1954	.0809	.1618	.0379	.0758	3-5/16	2.44	3.568	7.137	5.910	11.82
1	.22	.0982	.1963	.0491	.0982	3-3/8	2.53	3.774	7.548	6.369	12.74
1-1/16	.25	.1178	.2355	.0626	.1251	3-7/16	2.63	3.988	7.976	6.854	13.71
1-1/8	.28	.1398	.2796	.0786	.1573	3-1/2	2.72	4.209	8.419	7.366	14.73
1-3/16	.31	.1644	.3288	.0976	.1952	3-9/16	2.82	4.439	8.878	7.907	15.81
1-1/4	.35	.1917	.3835	.1198	.2397	3-5/8	2.92	4.677	9.353	8.476	16.95
1-5/16	.38	.2220	.4439	.1457	.2913	3-11/16	3.02	4.923	9.845	9.076	18.15
1-3/8	.42	.2552	.5104	.1755	.3509	3-3/4	3.13	5.177	10.35	9.707	19.41
1-7/16	.46	.2916	.5832	.2096	.4192	3-13/16	3.23	5.440	10.88	10.37	20.74
1-1/2	.50	.3313	.6627	.2485	.4970	3-7/8	3.34	5.712	11.42	11.07	22.14
1-9/16	.54	.3745	.7490	.2926	.5852	3-15/16	3.45	5.993	11.99	11.80	23.60
1-5/8	.59	.4213	.8425	.3423	.6846	4	3.56	6.283	12.57	12.57	25.13
1-11/16	.63	.4718	.9435	.3981	.7961	4-1/16	3.67	6.582	13.16	13.37	26.74
1-3/4	.68	.5262	1.052	.4604	.9208	4-1/8	3.78	6.891	13.78	14.21	28.42
1-13/16	.73	.5846	1.169	.5298	1.060	4-3/16	3.90	7.209	14.42	15.09	30.19
1-7/8	.78	.6471	1.294	.6067	1.213	4-1/4	4.01	7.536	15.07	16.01	32.03
1-15/16	.83	.7140	1.428	.6917	1.384	4-5/16	4.13	7.874	15.75	16.98	33.96
2	.89	.7854	1.571	.7854	1.571	4-3/8	4.25	8.221	16.44	17.98	35.97
2-1/16	.94	.8614	1.723	.8883	1.777	4-7/16	4.38	8.579	17.16	19.03	38.07
2-1/8	1.00	.9421	1.884	1.001	2.002	4-1/2	4.50	8.946	17.89	20.13	40.26
2-3/16	1.06	1.028	2.055	1.124	2.248	4-9/16	4.63	9.324	18.65	21.27	42.54
2-1/4	1.13	1.118	2.237	1.258	2.516	4-5/8	4.75	9.713	19.43	22.46	44.92
2-5/16	1.19	1.214	2.428	1.404	2.808	4-11/16	4.88	10.11	20.22	23.70	47.40
2-3/8	1.25	1.315	2.630	1.562	3.124	4-3/4	5.01	10.52	21.04	24.99	49.98

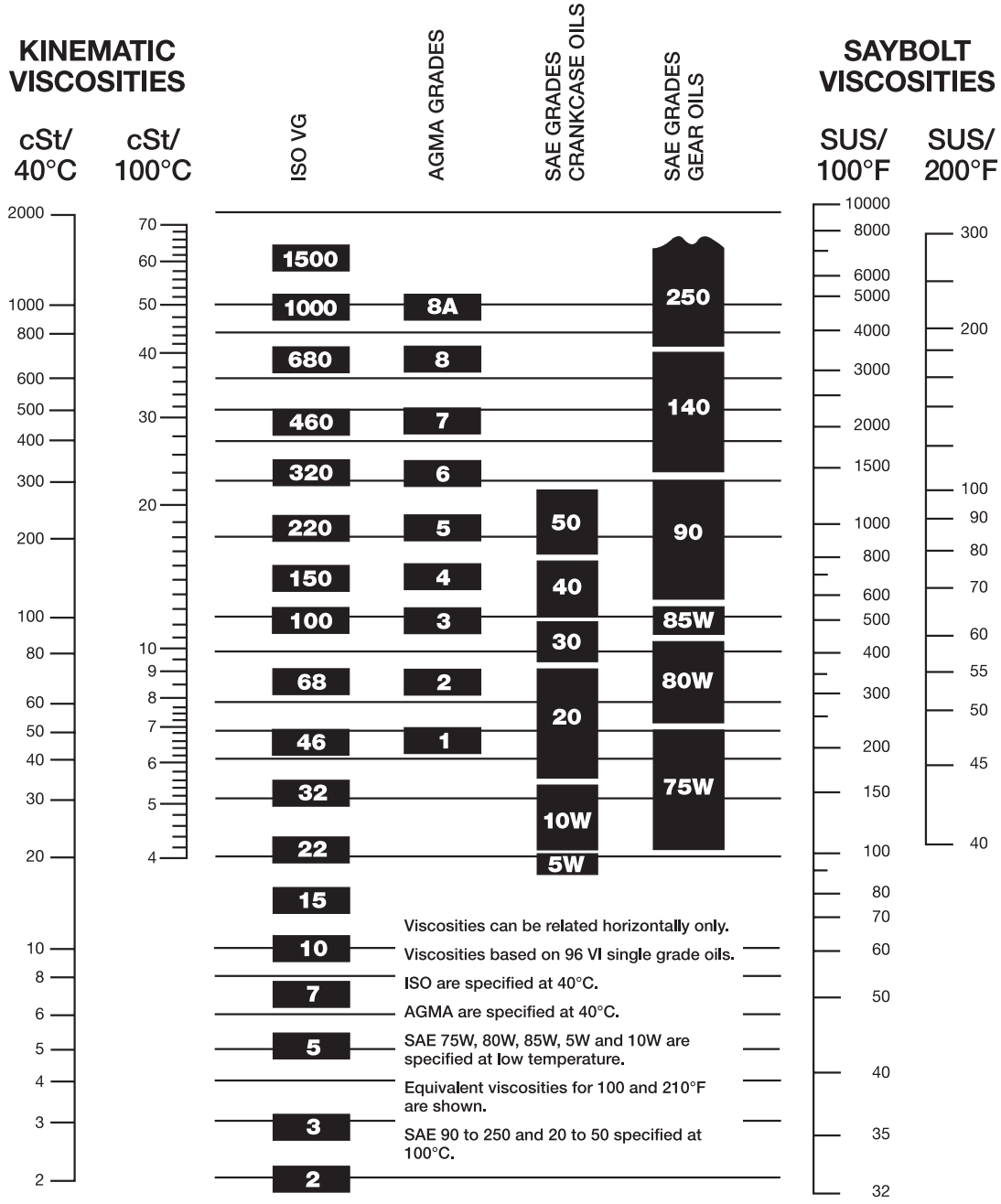
Weights and Properties of Steel Shafting (Continued)

Table 28: Weight and Properties of Round Steel Shafting

Shaft Size	Weight per Inch	Section Modulus		Moment of Inertia		Shaft Size	Weight per Inch	Section Modulus		Moment of Inertia	
		Bending	Torsion	Bending	Torsion			Bending	Torsion	Bending	Torsion
4-13/16	5.15	10.94	21.88	26.33	52.66	13-1/2	40.50	241.50	483.10	1630	3261
4-7/8	5.28	11.37	22.75	27.72	55.45	13-3/4	42.00	255.20	510.40	1755	3509
4-15/16	5.42	11.82	23.63	29.17	58.35	14	43.60	269.40	538.80	1886	3771
5	5.56	12.27	24.54	30.68	61.36	14-1/4	45.10	284.10	568.20	2024	4048
5-1/16	5.70	12.74	25.48	32.24	64.49	14-1/2	46.70	299.30	598.60	2170	4340
5-1/8	5.84	13.22	26.43	33.86	67.73	14-3/4	48.40	315.00	630.10	2324	4647
5-3/16	5.98	13.70	27.41	35.55	71.09	15	50.00	331.30	662.70	2485	4970
5-1/4	6.13	14.21	28.41	37.29	74.58	15-1/4	51.70	348.20	696.40	2655	5310
5-5/16	6.27	14.72	29.44	39.10	78.20	15-1/2	53.40	365.60	731.20	2833	5667
5-3/8	6.42	15.25	30.49	40.97	81.94	15-3/4	55.10	383.60	767.10	3021	6041
5-7/16	6.58	15.78	31.57	42.91	85.82	16	56.90	402.10	804.20	3217	6434
5-1/2	6.72	16.33	32.67	44.92	89.84	16-1/4	58.70	421.30	842.50	3422	6846
5-9/16	6.88	16.90	33.79	46.99	93.99	16-1/2	60.50	441.00	882.00	3638	7277
5-5/8	7.03	17.47	34.95	49.14	98.29	16-3/4	62.40	461.40	922.70	3864	7728
5-11/16	7.19	18.06	36.12	51.36	102.70	17	64.20	482.30	964.70	4100	8200
5-3/4	7.35	18.66	37.33	53.66	107.30	17-1/4	66.10	503.90	1008	4346	8693
5-13/16	7.51	19.28	38.56	56.03	112.10	17-1/2	68.10	526.20	1052	4604	9208
5-7/8	7.67	19.91	39.82	58.48	117.00	17-3/4	70.00	549.10	1098	4873	9745
5-15/16	7.84	20.55	41.10	61.01	122.00	18	72.00	572.60	1145	5153	10306
6	8.00	21.21	42.41	63.62	127.20	18-1/4	74.00	596.70	1193	5445	10891
6-1/16	8.17	21.88	43.75	66.31	132.60	18-1/2	76.10	621.60	1243	5750	11500
6-1/8	8.34	22.56	45.12	69.09	138.20	18-3/4	78.10	647.10	1294	6067	12134
6-3/16	8.51	23.26	46.51	71.95	143.90	19	80.20	673.40	1347	6397	12794
6-1/4	8.68	23.97	47.94	74.90	149.80	19-1/4	82.40	700.30	1401	6741	13481
6-5/16	8.86	24.69	49.39	77.94	155.90	19-1/2	84.50	728.00	1456	7098	14195
6-3/8	9.03	25.44	50.87	81.08	162.20	19-3/4	86.70	756.30	1513	7469	14937
6-7/16	9.21	26.19	52.38	84.30	168.60	20	88.90	785.40	1571	7854	15708
6-1/2	9.39	26.96	53.92	87.62	175.20	20-1/4	91.10	815.20	1630	8254	16508
6-5/8	9.76	28.55	57.09	94.56	189.10	20-1/2	93.40	845.80	1692	8669	17339
6-3/4	10.10	30.19	60.39	101.90	203.80	20-3/4	95.70	877.10	1754	9100	18200
6-7/8	10.50	31.90	63.80	109.70	219.30	21	98.00	909.20	1818	9547	19093
7	10.90	33:67	67.35	117.90	235.70	21-1/4	100.40	942.10	1884	10009	20019
7-1/8	11.30	35.51	71.02	126.50	253.00	21-1/2	102.70	975.70	1951	10489	20978
7-1/4	11.70	37.41	74.82	135.60	271.20	21-3/4	105.10	1010	2020	10985	21970
7-3/8	12.10	39.38	78.76	145.20	290.40	22	107.60	1045	2091	11499	22998
7-1/2	12.50	41.42	82.84	155.30	310.60	22-1/4	110.00	1081	2163	12031	24061
7-5/8	12.90	43.52	87.05	165.90	331.90	22-1/2	112.50	1118	2237	12581	25161
7-3/4	13.30	45.70	91.40	177.10	354.20	22-3/4	115.00	1156	2312	13149	26298
7-7/8	13.80	47.95	95.89	188.80	377.60	23	117.60	1194	2389	13737	27473
8	14.30	50.27	100.50	201.10	402.10	23-1/4	120.10	1234	2468	14344	28687
8-1/8	14.70	52.66	105.30	213.90	427.90	23-1/2	122.70	1274	2548	14971	29941
8-1/4	15.10	55.13	110.30	227.40	454.80	23-3/4	125.40	1315	2630	15618	31236
8-3/8	15.60	57.67	115.30	241.50	483.00	24	128.00	1357	2714	16286	32572
8-1/2	16.10	60.29	120.60	256.20	512.50	24-1/4	130.70	1400	2800	16975	33951
8-5/8	16.50	62.99	126.00	271.60	543.30	24-1/2	133.40	1444	2888	17686	35372
8-3/4	17.00	65.77	131.60	287.70	575.50	24-1/4	136.20	1488	2977	18419	36838
8-7/8	17.50	68.63	137.30	304.50	609.10	25	138.90	1534	3068	19175	38350
9	18.00	71.57	143.10	322.10	644.10	25-1/4	141.70	1580	3161	19954	39907
9-1/8	18.50	74.59	149.20	340.30	680.70	25-1/2	144.50	1628	3256	20755	41511
9-1/4	19.00	77.70	155.40	359.40	718.70	25-3/4	147.40	1676	3352	21581	43163
9-3/8	19.50	80.89	161.80	379.20	758.40	26	150.30	1726	3451	22432	44864
9-1/2	20.10	84.17	168.30	399.80	799.60	26-1/4	153.20	1776	3552	23307	46614
9-5/8	20.60	87.54	175.10	421.30	842.60	26-1/2	156.10	1827	3654	24208	48415
9-3/4	21.10	90.99	182.00	443.60	887.20	26-3/4	159.00	1879	3758	25134	50268
9-7/8	21.70	94.54	189.10	466.80	933.60	27	162.00	1932	3865	26087	52174
10	22.20	98.17	196.30	490.90	981.70	27-1/2	168.10	2042	4083	28074	56148
10-1/4	23.40	105.72	211.40	541.80	1084	28	174.30	2155	4310	30172	60344
10-1/2	24.50	113.65	227.30	596.70	1193	28-1/2	180.50	2273	4545	32385	64771
10-3/4	25.70	121.96	243.90	655.50	1311	29	186.90	2394	4789	34719	69437
11	26.90	130.67	261.30	718.70	1437	29-1/2	193.40	2520	5041	37176	74351
11-1/4	28.10	139.78	279.60	786.30	1573	30	200.00	2651	5301	39761	79522
11-1/2	29.40	149.31	298.60	858.50	1717	30-1/2	206.80	2785	5571	42479	84957
11-3/4	30.70	159.26	318.50	935.70	1871	31	213.60	2925	5849	45333	90666
12	32.00	169.65	339.30	1018	2036	31-1/2	220.50	3069	6137	48329	96659
12-1/4	33.40	180.47	360.90	1105	2211	32	227.60	3217	6434	51472	102944
12-1/2	34.70	191.75	383.50	1198	2397	32-1/2	234.80	3370	6740	54765	109530
12-3/4	36.10	203.48	407.00	1297	2594	33	242.10	3528	7056	58214	116428
13	37.60	215.69	431.40	1402	2804	34	256.90	3859	7717	65597	131194
13-1/4	39.00	228.37	456.70	1513	3026	35	272.30	4209	8418	73662	147324

Viscosity Classification Equivalents

OIL VISCOSITY EQUIVALENCY CHART



ISO VISCOSITY CLASSIFICATION SYSTEM

All industrial oils are graded according to the ISO Viscosity Classification System, approved by the International Standards Organizations (ISO). Each ISO viscosity grade number corresponds to the mid-point of viscosity range expressed in centistokes (cSt) at 40°C. For example, a lubricant with an ISO grade of 32 has a viscosity within the range of 28.80-35.2, the midpoint of which is 32.

Rule-of-Thumb: The comparable ISO grade of a competitive product whose viscosity in SUS at 100°F is known can be determined by using the following conversion formula:

SUS @ 100° F ÷ 5 = cSt @ 40°C

English Standard Measures

Long Measure

1 mile = 1760 yards = 5280 feet.
1 yard = 3 feet = 36 inches.
1 foot = 12 inches.

Surveyor's Measure

1 mile = 8 furlongs = 80 chains.
1 furlong = 10 chains = 220 yards.
1 chain = 4 rods = 22 yards = 66 feet = 100 links.
1 link = 7.92 inches.

Square Measure

1 square mile = 640 acres = 6400 square chains.
1 acre = 10 square chains = 4840 square yards = 43,560 square feet.
1 square chain = 16 square rods = 484 square yards = 4356 square feet.
1 square rod = 30.25 square yards = 272.25 square feet = 625 square links.
1 square yard = 9 square feet.
1 square foot = 144 square inches.
An acre is equal to a square, the side of which is 208.7 feet.

Dry Measure

1 bushel (U.S. or Winchester struck bushel) = 1.2445 cubic foot = 2150.42 cubic inches.
1 bushel = 4 pecks = 32 quarts = 64 pints.
1 peck = 8 quarts = 16 pints.
1 quart = 2 pints.
1 heaped bushel = 1 1/4 struck bushel.
1 cubic foot = 0.8036 struck bushel.
1 British Imperial bushel=8 Imperial gallons=1.2837 cubic foot = 2218.19 cubic inches.

Liquid Measure

1 U.S. gallon = 0.1337 cubic foot = 231 cubic inches = 4 quarts = 8 pints.
1 quart = 2 pints = 8 gills.
1 pint = 4 gills.
1 British Imperial gallon = 1.2003 U.S. gallon = 277.27 cubic inches.
1 cubic foot = 7.48 U.S. gallons.

Circular and Angular Measure

60 seconds (")	=1 minute (')
60 minutes	=1 degree (-)
360 degrees	=1 circumference (C)
57.3 degrees	=1 radian
2 π radians	=1 circumference (C)

Specific Gravity

The specific gravity of a substance is its weight as compared with the weight of an equal bulk of pure water.

For making specific gravity determinations the temperature of the water is usually taken at 62° F. when 1 cubic foot of water weighs 62.355 lbs. Water is at its greatest density at 39.20° F. or 4° Centigrade.

Temperature

The following equation will be found convenient for transforming temperature from one system to another:

Let F = degrees Fahrenheit; C = degrees Centigrade; R = degrees Reamur.

$$\frac{F-32}{180} = \frac{C}{100} = \frac{R}{80}$$

Avoirdupois or Commercial Weight

1 gross or long ton = 2240 pounds.
1 net or short ton = 2000 pounds.
1 pound = 16 ounces = 7000 grains.
1 ounce = 16 drams = 437.5 grains.

Measures of Pressure

1 pound per square inch = 144 pounds per square foot = 0.068 atmosphere = 2.042 inches of mercury at 62 degrees F. = 27.7 inches of water at 62 degrees F. = 2.31 feet of water at 62 degrees F.

1 atmosphere = 30 inches of mercury at 62 degrees F. = 14.7 pounds per square inch = 2116.3 pounds per square foot = 33.95 feet of water at 62 degrees F.

1 foot of water at 62 degrees F. = 62.355 pounds per square foot = 0.433 pound per square inch.

1 inch of mercury at 62 degrees F. = 1.132 foot of water = 13.58 inches of water = 0.491 pound per square inch.

Column of water 12 in. high, 1 in. dia. = .341 lbs.

Cubic Measure

1 cubic yard = 27 cubic feet.
1 cubic foot = 1728 cubic inches.
The following measures are also used for wood and masonry:
1 cord of wood = 4 X 4 X 8 feet = 128 cubic feet.
1 perch of masonry = 16-1/2 X 1-1/2 X 1 foot = 24-3/4 cubic feet.

Shipping Measure

For measuring entire internal capacity of a vessel: 1 register ton = 100 cubic feet.
For measurement of cargo:
1 U.S. shipping ton = 40 cubic feet = 32.143 U.S. bushels = 31.16 Imperial bushels.
British shipping ton = 42 cubic feet = 33.75 U.S. bushels = 32.72 Imperial bushels.

Troy Weight, Used for Weighing Gold and Silver

1 pound = 12 ounces = 5760 grains.
1 ounce = 20 pennyweights = 480 grains.
1 pennyweight = 24 grains.
1 carat (used in weighing diamonds) = 3.086 grains.
1 grain Troy = 1 grain avoirdupois = 1 grain apothecaries' weight.

Measure Used for Diameters and Areas of Electric Wires

1 circular inch = area of circle 1 inch in diameter = 0.7854 square inch.
1 circular inch = 1,000,000 circular mils.
1 square inch = 1.2732 circular inch = 1,273,239 circular mils.
A circular mil is the area of a circle 0.001 inch in diameter.

Board Measure

One foot board measure is a piece of wood 12 inches square by 1 inch thick, or 144 cubic inches. 1 cubic foot therefore equals 12 feet board measure

ENGINEERING

TABLE 29: Decimal and Millimeter Equivalents of Fractions

Inches Fractions		Decimals	Millimeters	Inches Fractions		Decimals	Millimeters	Inches Fractions		Decimals	Millimeters
1/64		.015625	.397		11/32	.34375	8.7319		11/16	.6875	17.463
	1/32	.03125	.794	23/64		.359375	9.128	45/64		.703125	17.859
3/64		.046875	1.191		3/8	.375	9.525		23/32	.71875	18.256
	1/16	.0625	1.588	25/64		.390625	9.922	47/64		.734375	18.653
5/64		.078125	1.984		13/32	.40625	10.319		3/4	.750	19.050
	3/32	.09375	2.381	27/64		4.21875	10.716	49/64		.765625	19.447
7/64		.109375	2.778		7/16	4.375	11.113		25/32	.78125	19.844
	1/8	.125	3.175	29/64		4.53125	11.509	51/64		.796875	20.241
9/64		.140625	3.582		15/32	.46875	11.906		13/16	.8125	20.638
	5/32	.15625	3.969	31/64		.48376	12.303	53/64		.828125	21.034
11/64		.171875	4.366		1/2	.500	12.700		27/32	.84375	21.431
	3/16	.1875	4.763	33/64		.515625	13.097	55/64		.859375	21.828
13/64		.203125	5.159		17/32	.53125	13.494		7/8	.875	22.225
	7/32	.21875	5.556	35/64		.546875	13.891	57/64		.890625	22.622
15/64		.234375	5.953		9/16	.5625	14.288		29/32	.90524	23.019
	1/41	.250	6.350	37/64		.578125	14.684	59/64		.921875	23.416
7/64		.265625	6.747		19/32	.59375	14.081		15/16	.9375	23.813
	9/32	.28125	7.144	39/64		.609375	15.478	61/64		.953125	24.209
19/64		.296875	7.541		5/8	.625	15.875		31/32	.96875	24.606
	5/16	.3125	7.938	41/64		.60625	16.272	63/64		.984375	25.003
21/64		.328125	8.334		21/32	.65625	16.669		1	1.000	25.400
				43/64		.671875	17.066				

Table 30: Millimeter-Inch Equivalents: 1” = 25.4mm (.03937” = 1mm)

Millimeter	Decimal	Millimeter	Decimal	Millimeter	Decimal	Millimeter	Decimal	Millimeter	Decimal
1	.03937	52	2.04724	103	4.05511	154	6.06299	205	8.07086
2	.07874	53	2.08661	104	4.09448	155	6.10236	206	8.11023
3	.11811	54	2.12598	105	4.13385	156	6.14173	207	8.14960
4	.15748	55	2.16535	106	4.17322	157	6.18110	208	8.18897
5	.19685	56	2.20472	107	4.21259	158	6.22047	209	8.22834
6	.23622	57	2.24409	108	4.25196	159	6.25984	210	8.26771
7	.27559	58	2.28346	109	4.29133	160	6.29921	211	8.30708
8	.31496	59	2.32283	110	4.33070	161	6.33858	212	8.34645
9	.35433	60	2.36220	111	4.37007	162	6.37795	213	8.38582
10	.39370	61	2.40157	112	4.40944	163	6.41732	214	8.42519
11	.43307	62	2.44094	113	4.44881	164	6.45669	215	8.46456
12	.47244	63	2.48031	114	4.48818	165	6.49606	216	8.50393
13	.51181	64	2.51968	115	4.52755	166	6.53543	217	8.54330
14	.55118	65	2.55905	116	4.56692	167	6.57480	218	8.58267
15	.59055	66	2.59842	117	4.60629	168	6.61417	219	8.62204
16	.62992	67	2.63779	118	4.64566	169	6.65354	220	8.66141
17	.66929	68	2.67716	119	4.68503	170	6.69291	221	8.70078
18	.70866	69	2.71653	120	4.72440	171	6.73228	222	8.74015
19	.74803	70	2.75590	121	4.76378	172	6.77165	223	8.77952
20	.78740	71	2.79527	122	4.80315	173	6.81102	224	8.81889
21	.82677	72	2.83464	123	4.84252	174	.685039	225	8.85826
22	.86614	73	2.87401	124	4.88189	175	6.88976	226	8.897.63
23	.90551	74	2.91338	125	4.92126	176	6.92913	227	8.93700
24	.94488	75	2.95275	126	4.96063	177	.696850	228	8.97637
25	.98425	76	2.99212	127	5.00000	178	7.00787	229	9.01574
26	1.02362	77	3.03149	128	5.03937	179	7.04724	230	9.05511
27	1.06299	78	3.07086	129	5.07875	180	7.08661	231	9.09448
28	1.10236	79	3.11023	130	5.11811	181	7.12598	232	9.13385
29	1.14173	80	3.14960	131	5.15749	182	7.16535	233	9.17322
30	1.18110	81	3.18897	132	5.19685	183	7.20472	234	9.21259
31	1.22047	82	3.22834	133	5.23622	184	7.24409	235	9.25196
32	1.25984	83	3.26771	134	5.27559	185	7.28346	236	9.29133
33	1.29921	84	.303708	135	5.31496	186	7.32283	237	9.33070
34	1.33858	85	3.34645	136	5.35433	187	7.36220	238	9.37007
35	1.37795	86	3.38582	137	5.39370	188	7.40157	239	9.40944
36	1.41732	87	.342519	138	.543307	189	7.44094	240	9.44881
37	1.45669	88	3.46456	139	.547244	190	7.48031	241	9.48818
38	1.49606	89	3.50393	140	5.51181	191	7.51968	242	9.52755
39	1.53543	90	3.54330	141	5.55118	192	7.55905	243	9.56692
40	1.57480	91	.358267	142	5.59055	193	7.59842	244	9.60629
41	1.61417	92	3.62204	143	5.62992	194	7.63779	245	9.64566
42	1.65354	93	3.66141	144	5.66929	195	7.67716	246	9.68503
43	1.69291	94	3.70078	145	5.70866	196	7.71653	247	9.72440
44	1.73228	95	3.74015	146	5.748.4	197	7.75590	248	9.76378
45	1.77165	96	3.77952	147	5.78740	198	7.79527	249	9.80315
46	1.81102	97	3.81899	148	5.82677	199	7.83464	250	9.84252
47	1.85039	98	3.85826	149	5.86614	200	7.87401	251	9.88189
48	1.88976	99	3.89763	150	5.90551	201	7.91338	252	9.92126
49	1.92913	100	3.93710	151	5.94488	202	795275	253	9.96063
50	1.96850	101	3.97637	152	5.98425	203	799221	254	10.00000
51	2.00787	102	4.01574	153	6.02362	204	8.03149	-	-

Metric System of Measurements

Measures of Length

10	millimeters (mm.)	=	1 centimeter (cm.)
10	centimeters	=	1 decimeter (dm.)
10	decimeters	=	1 meter (m.)
1000	meter	=	1 kilometer (km.)

Measure of Weight

10	milligrams (mg.)	=	1 centigram (cg.)
10	centigrams	=	1 decigram (dg.)
10	decigrams	=	1 gram (g.)
10	grams	=	1 decagram (Dg.)
10	decagrams	=	1 hectogram (Hg.)
10	hectograms	=	1 Kilogram (Kg.)
1000	kilograms	=	1 (metric) ton (T.)

Surveyor's Square Measure

100	square meters (m.2)	=	1 are (ar.)
100	acres	=	1 hectare (har.)
100	hectares	=	1 sq. kilometer (Km.2)

Square Measure

100	sq. millimeters (mm.2)	=	1 sq. centimeter (cm.2)
100	sq. centimeters	=	1 sq. decimeter (dm.2)
100	sq. decimeters	=	1 sq. meter (m.2)

Cubic Measure

1000	cu. millimeters (mm.3)	=	1 cu. centimeter (cm.3)
1000	cu. centimeters	=	1 cu. decimeter (dm.3)
1000	cu. decimeters	=	1 cu. meter (m.3)

Dry and Liquid Measure

10	milliliters (ml.)	=	1 centiliter (cl.)
10	centiliters	=	1 deciliter (dl.)
10	deciliters	=	1 liter (l.)
100	liters	=	1 hectoliter (Hl.)

1 liter = 1 cubic decimeter = the volume of 1 kilogram of pure water at a temperature of 39.2 degrees F.

Length Conversion Constants for Metric and U.S. Units

Millimeters X.039370 = inches.
Meters x 39.370 = inches.
Meters X 3.2808 = feet.
Meters X 1.09361 = yards.
Kilometers X 3,280.8 = feet.
Kilometers X.62137 = Statute Miles.
Kilometers x.53959 = Nautical Miles.

Inches X 25.4001 = millimeters.
Inches X.0254 = meters.
Feet x.30480 = meters.
Yards X.91440 = meters.
Feet x.0003048 = kilometers.
Statute Miles X 1.60935 = kilometers.
Nautical Miles x 1.85325 = kilometers.

Weight Conversion Constants for Metric and U.S. Units

Grams X 981 = dynes.
Grams X 15.432 = grains.
Grams X.03527 = ounces (Avd.).
Grams x.033818 = fluid ounces (water).
Kilograms X 35.27 = ounces (Avd.).
Kilograms X 2.20462 = pounds (Avd.).
Metric Tons (1000 Kg.) X 1.10231 = Net Ton (2000 lbs.).
Metric Tons (1000 Kg.) X.98421 = Gross Ton (2240 lbs.).

Dynes X.0010193 = grams.
Grains X.0648 = grams.
Ounces (Avd.) X 28.35 = grams.
Fluid Ounces (Water) X 29.57 = grams.
Ounces (Avd.) X.02835 = kilograms.
Pounds (Avd.) X.45359 = kilograms.
Net Ton (2000 lbs.) X.90719 = Metric Tons (1000 Kg.).
Gross Ton (2240 lbs.) X 1.01605 = Metric Tons (1000 Kg.).

Area Conversion Constants for Metric and U.S. Units

Square Millimeters X.00155 = square inches.
Square centimeters X.155 = square inches.
Square Meters X 10.76387 = square feet.
Square Meters X 1.19599 = square yards.
Hectares X 2.47104 = acres.
Square Kilometers X 247.104 = acres.
Square Kilometers X.3861 = square miles.

Square Inches X 645.163 = square millimeters.
Square Inches x 6.45163 = square centimeters.
Square Feet x.0929 = square meters.
Square Yards X.83613 = square meters.
Acres X.40469 = hectares.
Acres X.0040469 = square kilometers.
Square Miles X 2.5899 = square kilometers.

Volume Conversion Constants for Metric and U.S. Units

Cubic centimeters X.033818 = fluid ounces.
Cubic centimeters X.061023 = cubic inches.
Cubic centimeters X.271 = fluid drams.
Liters X 61.023 = cubic inches.
Liters X 1.05668 = quarts.
Liters X .26417 = gallons.
Liters X.035317 = cubic feet.
Hectoliters X 26.417 = gallons.
Hectoliters X 3.5317 = cubic feet.
Hectoliters X 2.83794 = bushel (2150.42 cu. in.).
Hectoliters X.1308 = cubic yards.
Cubic Meters x 264.17 = gallons.
Cubic Meters x 35.317 = cubic feet.
Cubic Meters X 1.308 = cubic yards.

Fluid Ounces X 29.57 = cubic centimeters.
Cubic Inches X 16.387 = cubic centimeters.
Fluid Drams x 3.69 = cubic centimeters.
Cubic Inches X.016387 = liters.
Quarts x.94636 = liters.
Gallons x 3.78543 = liters.
Cubic Feet x 28.316 = liters.
Gallons x.0378543 = hectoliters.
Cubic Feet x.28316 = hectoliters.
Bushels (2150.42 cu. in.) X.352379 = hectoliters.
Cubic Yards x 7.645 = hectoliters.
Gallons x.00378543 = cubic meters.
Cubic Feet x.028316 = cubic meters.
Cubic Yards x.7645 = cubic meters.

Power and Heat Conversion Constants for Metric and U.S. Units

Calorie x 0.003968 = B.T.U.
Joules X.7373 = pound-feet.
Newton-Meters X 8.851 = pound-inches
Cheval Vapeur X.9863 = Horsepower.
Kilowatts X 1.34 = Horsepower.
Kilowatt Hours X 3415 = B.T.U.
(Degrees Cent. X 1.8) +32 = degrees Fahr.
(Degrees Reamur X 2.25) + 32 = degrees Fahr.

B.T.U. X 252 = calories.
Pound-Feet X 1.3563 = joules.
Pound-inches X.11298 = Newton-meters.
Horsepower X 1.014 = Cheval Vapeur.
Horsepower X.746 = kilowatts.
B.T.U. X.00029282 = kilowatt hours.
(Degrees Fahr. - 32) x.555 = degrees Cent.
(Degrees Fahr. - 32) x.444 = degrees Reamur.

COMMON CONVERSION FACTORS USEFUL IN MECHANICAL POWER TRANSMISSION

Symbols and Abbreviations Used in Conversion Factors

Symbols and abbreviations found in this section are those currently used in many texts and product publications. Considerable effort is underway to standardize on abbreviations for metric and English units of measurement. Recently, ASTM (American Society for Testing and Materials) and IEEE (Institute of Electrical and Electronic Engineers) published a standard practice on the metric system. † This publication consolidates a great deal of the current thinking and provides a system of abbreviations and symbols that differ somewhat from those used here.

This Handbook has retained use of familiar abbreviations consistent with existing product and trade literature rather than the abbreviations found in current publications of technical and scientific societies.

Prefixes Used in the Metric System

Common prefixes and symbols used in the metric system are listed below. An example of use is 1000 meters is equivalent to 1 kilometer, and 1/1000 of one meter is equivalent to 1 millimeter.

Prefix	Symbol	Multiplication Factor-Decimal and Power of 10
exa	E	1,000,000,000,000,000,000 or 10^{18} or one quintillion
peta	P	1,000,000,000,000,000 or 10^{15} or one quadrillion
tera	T	1,000,000,000,000 or 10^{12} or one trillion
giga	G	1,000,000,000 or 10^{9} or one billion
mega	M	1,000,000 or 10^{6} or one million
kilo	k	1,000 or 10^{3} or one thousand
*hecto	h	100 or 10^{2} or one hundred
*deka	da	10 or 10^{1} or ten
**deci	d	0.1 or 10^{-1} or one tenth
**centi	c	0.01 or 10^{-2} or one hundredth
mill	m	0.001 or 10^{-3} or one thousandth
micro	μ	0.000,001 or 10^{-6} or one millionth
nano	n	0.000,000,001 or 10^{-9} or one billionth
pico	p	0.000,000,000,001or 10^{-12} or one trillionth
femto	f	0.000,000,000,000,001 or 10^{-15} or one quadrillionth
atto	a	0.000,000,000,000,000,001 or 10^{-18} or one quintillionth

* Not commonly used.

** Not commonly used except for special situations.
The centimeter as a unit of length is in common use.
The decibel is a unit in both electrical and acoustical work.

† ASTM/IEEE Standard Metric Practice, ASTM E 380-75, IEEE Std. 268-1976.
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Symbol or Abbreviation	Term
atm	atmosphere
avdp	avoirdupois
bbl	barrels
bu	bushels
C	degrees Centigrade or Celsius
cc	cubic centimeters
cfm	cubic feet per minute
cfs	cubic feet per second
cm	centimeter
cu	cubic
deg	degrees
F	degrees Fahrenheit
fps	feet per second
ft	feet
ft-lb	foot-pounds (work or energy)
ft per sec	feet per second (alternate)
ft per sec^2	feet per second per second
g	acceleration due to gravity
g	grams
gal	gallons
gpm	gallons per minute
hp	horsepower
hr	hour
in	inches
in-lb	inch-pounds (work or energy)
K	degrees Kelvin
kg	kilograms
km	kilometers
kn	knots
kW	kilowatts

Symbol or Abbreviation	Term
l	liters
lb	pounds
lb-ft	pound-feet (torque)
m	meters
m per sec^2	meters per second per second
mi	miles
mm	millimeters
mph	miles per hour
MGD	millions of gallons per day
N	Newtons
oz	ounces
oz-in	ounce-inches (torque)
Pa	Pascals
psi	pounds per square inch
psia or psig	pounds per square inch “absolute” or gauge
pt	pint
qt	quart
R	degrees Rankine (Fahrenheit, absolute)
rad	radians
rev	revolutions
rpm	revolutions per minute
sec	seconds
sq	square
std	standard
temp	temperature
wt	weight
yd	yard
yr	year

Rounding of Numbers

A minimum of four significant figures are used in conversion factors presented here. Where the conversion factor is exact (for example, 1 foot contains 12 inches), decimal fractions are not necessary. Also, where large whole numbers are used (for example, 1 square kilometer contains 1195990 square yards), decimal fractions are not used unless justified by the accuracy of ordinary computations.

1195990	(sq yd in a sq km)
4389.12	(cc in a cu ft)
448.86	(gpm in a liter per sec)
14.70	(psi in an atmosphere)
0.4331	(psi in a ft of water)
0.0625	(lb-in in an oz-in)

ENGINEERING

VELOCITY

centimeters per second (cm per sec)	feet per second (fps or ft per sec)	0.3281
feet per second (fps)	centimeters per second (cm per sec)	30.48
	meters per second (m per sec)	0.3048
	kilometers per hour (km per hr)	1.097
	miles per hour (mph)	0.6818
kilometers per hour (km per hr)	knots (kn)	0.5396
	feet per second (fps)	1.467
	kilometers per hour (km per hr)	1.609
	feet per minute (ft per min.)	88
knots (kn)	miles per hour (mph)	1.152
	kilometers per hour (km per hr)	1.853
radians per second (rad per sec)	revolutions per minute (rpm)	9.55
	degrees per minute (deg per min.)	3437.7
revolutions per minute (rpm)	radians per second (rad per sec)	0.1047
	degrees per minute (deg per min.)	360

ACCELERATION

COLUMN A

To Convert From...	To...	Multiply Col. A by
feet per second per second (ft per sec^2)	meters per second per second (m per sec^2)	0.3048
m per sec^2	ft per sec^2	3.281
revolutions per minute per second (rpm per sec)	radians per second per second (rad per sec^2)	0.1047
rad per sec^2	rpm per sec	9.55

VOLUMETRIC FLOW RATES

gallons per minute, US (gpm)	liters per second (l per sec)	0.008434
	cubic feet per minute (cfm)	0.1337
	cubic feet per hour (cu ft per hr)	8.022
gallons per minute, UK or Canadian (gpm)	liters per second (l per sec)	0.0101
	cubic feet per minute (cfm)	0.1606
	cubic feet per hour (cu ft per hr)	9.634
cubic feet per second (cfs)	gpm (UK or Canadian)	373.77
	gpm (US)	448.86
	liters per second (l per sec)	1699.2
liters per second (l per sec)	cubic feet per minute (cfm)	2.119
	gpm (UK or Canadian)	13.20
	gpm (US)	15.85
millions of gallons per day, US (MGD)	liters per second (l per sec)	43.81
	cubic feet per minute (cfm)	92.85
	gallons per minute, US (gpm)	694.44

PRESSURE

pascals (Pa)	pounds per square inch (psi)	0.0001450
	pounds per square foot (lb per ft^2)	0.02089
	newtons per square meter	1
pounds per square inch (psi)	atmospheres, std. (atm)	0.0680
	pounds per square foot (lb per ft^2)	144
	pascals (Pa)	6894.8
	foot of water (ft of H20) 60F	2.301
atmospheres (atm), standard	psi	14.70
	lb per ft^2	2116.8
	Pa	101325
inch of water, 60F (in of H20)	psi	0.03609
	lb per ft^2	5.197
	Pa	248.84
foot of water, 60F (ft of H20)	psi	0.4331
	lb per ft^2	62.36
	Pa	2985.9

WEIGHT, MASS, INERTIA

pounds (lb)*	kilograms (kg)	0.4536
	ounces (oz)	16
kilograms (kg)	pounds (lb)	2.205
	ounces (oz)	35.27

Continued....

ENGINEERING

WEIGHT, MASS, INERTIA, (Continued)

COLUMN A

Convert From	To	Multiply Col A By This Factor
tons (short)	metric tons	0.9072
	kilograms (kg)	907.2
	pounds (lb)	2000
metric tons	tons (short)	1.102
	kilograms	1000
	pounds	2205
pounds, weight (lb)	slugs, mass (lb-sec^2 per ft)	0.03106
pound-foot^2 (lb-ft^2)	kilogram-meters^2 (kg-m^2)	0.04214

*pounds and ounces are avoirdupois

FORCE AND TORQUE

pounds (lb)	newtons (N)	4.448
newtons (N)	pounds (lb)	0.2248
newton-meters (N-m)	pound-feet (lb-ft)	0.7376
	pound-inches (lb-in)	8.851
	ounce-inches (oz-in)	141.60
ounce-inches (oz-in)	lb-ft	0.005208
	N-m	0.007062
	lb-in	0.0625
pound-inches (lb-in)	lb-ft	0.0833
	N-m	0.1298
	oz-In	16
pound-feet (lb-ft)	N-m	1.356
	lb -in	12
	oz-In	192

POWER

horsepower (hp)	kilowatts (kW)	0.7457
	foot-pounds per second (ft-lb per sec)	550
	foot-pounds per minute (ft-lb per min.)	33000
kilowatts (kW)	horsepower (hp)	1.341

TEMPERATURE

		Use This Relationship
degrees Fahrenheit (F)	degrees Celsius (C)	C =5/9 (F-32)
degrees Celsius (C)	degrees Fahrenheit (F)	F=9/5C+32
degrees Fahrenheit (F)	degrees Rankine (R)	R =F+459.69
degrees Celsius (C)	degrees Kelvin (K)	K=C+273.16

Examples:

1. Convert 12F to C. C = 5/9 (F-32) = 5/9 (12-32) = 5/9 (-20)
   Answer = -11.1C
2. Convert 40C to F. F = 9/5C + 32 = 9/5 (40) + 32 = 72 + 32
   Answer = 104F

DODGE

GRAVITATIONAL CONSTANT

g = 32.174 feet per second per second (ft per sec^2)
= 9.8067 meters per second per second (m per sec^2)

APPROXIMATE DENSITIES OF COMMON MATERIALS

	REPRESENTATIVE DENSITIES	
	Grams per cc	**lb per cu ft**
GASES @ 68F, std atm		
Air	1.30 grams per liter	0.07528
Oxygen	1.45 grams per liter	0.08305
Hydrogen	0.09 grams per liter	0.005234
Nitrogen	1.25 grams per liter	0.07274
	All Other Materials grams per cc	
LIQUIDS		
Water @ 4C	1.000 grams per cc	62.43
20C	0.998	62.32
40C	0.992	61.94
SeaWater	1.02-1.03	64.00
Ethyl alcohol 100%	0.789	49.2
Kerosene	0.78-0.82	50
Gasoline	0.70-0.75	45
METALS		
Aluminum (95% Al)	2.70	169
Bronze (90% Cu, 10% Zn)	8.80	549
Copper (Annealed, ACS)	8.89	555
Gold	19.32	1206
Iron, gray cast	7.10	443
Lead	11.36	709
Magnesium	1.74	109
Steel (0.4-0.5% Carbon)	7.80	487
Steel, 410 stainless	7.70	480
ENGINEERING PLASTICS		
ABS, general purpose	1.01-1.05	64
Acrylics, cast sheet	1.19	74
Nylon 6/6	1.13-1.15	71
Phenolic, general purpose	1.35-1.46	87
Polycarbonates, general purpose	1.2	75
Polyesters, thermoplastic, unreinforced	1.31 - 1.43	86
Polyehtylene, medium density	0.926-0.940	58
Polyvinyl Chloride	1.30-1.58	89

APPROXIMATE DENSITIES OF COMMON MATERIALS

	REPRESENTATIVE DENSITIES	
	Grams per cc	lb per cu ft
OTHER MATERIALS		
Concrete (stone and sand)	2.2-2.4	144
Limestone	1.5	94
Anthracite coal, not piled	1.4-1.8	100
Bituminous coal, not piled	1.2-1.5	83
Lignite coal, not piled	1.1-1.4	78
Wood, air dried:		
Douglas fir	0.48-0.55	32
White oak	0.77	48
White maple	0.53	33
Oregon pine	0.51	32
Hickory	0.74-0.80	48
Mahogany	0.56-0.85	44
African teak	0.99	62
Indian teak	0.66-0.88	48

Formulas and Constants

1 HP = 33,000 Foot-pounds of work per minute.
1 HP =.746 K.W. = K.W.P 1.341.
1 HP = 2547 B.T.U. per hour.
1 B.T.U. = Heat required to raise 1 lb. water 1-F.
1 B.T.U. = 777.6 Foot-pounds work.
1 Kilowatt Hour = 3415 B.T.U.
Heat Value of Carbon = 14,600 B.T.U. per pound.
Latent Heat of Fusion of Ice = 143.15 B.T.U. per pound.
Latent Heat of Evaporation of Water at 212° F. = 970.4 B.T.U. per pound.
Total Heat of Saturated Steam at atmospheric pressure = 1,150.4 B.T.U. per pound.
1 Ton of Refrigeration = 288,000 B.T.U. per 24 hours.
g = Acceleration of Gravity (commonly taken as 32.16 feet per second per second).
1 Radian = 57.296 degrees.
1 Meter = 100 cm. = 39.37 inches.
1 Kilometer =.62137 miles.
1 Gallon = 231 cubic inches.
1 Barrel = 31.5 gallons.
Atmospheric Pressure = 14.7 pounds per sq. in.
= 29.92 inches mercury at 32º F.
1 Lb. per Sq. In. Pressure = 2.3095 feet fresh water at 62º F.
= 2.0355 inches mercury at 32º F.
= 2.0416 inches mercury at 62º F.
Water Pressure (pounds per sq. in.) = .433 X height of water in feet (Fresh water at 62ºF.).
Weight of 1 cu. ft. fresh Water = 62.355 lbs. at 62ºF.
= 59.76 lbs. at 212º F.
Weight of 1 cu. ft. Air at 14.7 lbs. per sq. in. Pressure = .07608 lbs. at 62º F.
= .08073 lbs. at 32º F.

† Also look in the General Index under Weights, Measures, or the subject material required.

Flywheel Formulas

Flywheels are used on some machines, for example air compressors, to even out load pulsations. The following formulas are useful in designing entire flywheels and flywheel rims. A V-belt sheave may also be used as a flywheel eliminating the need for a separate flywheel in the system.

Formulas for Entire Flywheel

Kinetic energy of rotation of a flywheel (foot pounds)
$=.0001705\ N^2(WR^2)^*$.

Torque to uniformly accelerate or decelerate a flywheel

$$= \frac{.03908\ (N_2 - N_1)\ (WR^2),\ *\ \text{pound-inches}}{t}$$

where N_2 = final R.P.M. and N_1 = initial R.P.M.
Velocity at outside diameter (feet per minute) = 0.2618 ND.

W = weight (pounds).

R = radius of gyration (feet).

N = speed (R.P.M.)

t = time to change from N_1 to N_2 (seconds).

F = face of rim (inches).

D = outside diameter of rim (inches).

d = inside diameter of rim (inches).

K = weight per cubic inch of material (pounds).

*WR^2 = flywheel effect (pounds X feet^2). See table to the right for WR^2 of rims. Ordinarily the WR^2 of the rim only is considered.

In unusual instances the relatively small WR^2 values of the hub and arms or web can be added directly to the WR^2 of the rim if desired. To find the WR^2 of a hub or web use the WR^2 formula for rims, substituting the hub or web outside diameter, inside diameter, and width for D, d and F respectively. When arms are used instead of a web an approximate WR^2 value of the arms is the total weight of the arms in pounds times the square of the radius in feet from the shaft center line to the mid point of the arms between hub and rim.

Table 31: Formulas for Flywheel Rims

Property	Cast Iron Rim (Based on.26 lbs. per cu. in.)	Steel Rim (Based on .283 lbs. per cu. in.)	Rim of any material weighing K pounds per cubic inch
Volume (Cubic Inches)	$.7854F(D^2-d^2)$	$.7854F(D^2-d^2)$	$.7854F(D^2-d^2)$
W Weight (Pounds)	$.2042F(D^2-d^2)$	$.2223F(D^2-d^2)$	$.7854FK(D^2-d^2)$
R Radius of Gyration (Feet)	$\sqrt{\frac{.8681\ (D^2-d^2)}{1000}}$	$\sqrt{\frac{.8681\ (D^2-d^2)}{1000}}$	$\sqrt{\frac{.8681\ (D^2-d^2)}{1000}}$
WR^2 Wt X Sq. of Radius of Gyration (Lbs. X Ft.^{2})	$\frac{.1773F(D^4-d^4)}{1000}$	$\frac{.1929F(D^4-d^4)}{1000}$	$\frac{.6818FK(D^4-d^4)}{1000}$
T ▲ Tensile Load in rim (Lbs.)	$\frac{.3078FN2(D^3-d^3)}{1000000}$	$\frac{.3350FN2(D^3-d^3)}{1000000}$	$\frac{1,184FKN2(D^3-d^3)}{1000000}$

▲ Centrifugal force causes this tensile load at each and every section of the rim. Hence, on rims split into two or more sections the fastening at each joint should be designed to take the full load as calculated from the formula here given.

Centrifugal Force

R = Distance from the axis of rotation to the center of gravity of the body (feet).

N = Revolutions per minute.

v = Velocity of the center of gravity of the body (feet per second).

g = Acceleration due to gravity (32.16 commonly).

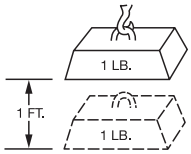
$$F = \frac{Wv^2}{gR} = \frac{WRN^2}{2933} = .000341\ WRN^2$$

F = Centrifugal force tending to move the body outward from the axis of rotation (pounds).

W = Weight of body (pounds).

ENGINEERING

Torque and Horsepower Equivalents

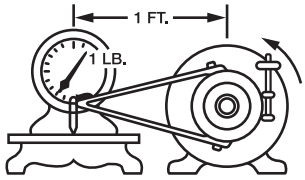


A foot-pound is the amount of energy expended in lifting a one-pound mass a distance of one foot against the pull of gravity

FOOT-POUNDS INDICATE ENERGY

TORQUE

It is: a turning moment or twisting effort. Is it expressed in foot-pounds? or pound-feet?



A pound-foot is the moment created by a force of one pound applied to the end of a lever arm one

POUND-FEET INDICATE TORQUE

Torque (in Pound-Inches) = $\frac{63025 \times HP}{RPM}$ = Force X Lever Arm (In Inches)

Torque (in Pound-Feet) = $\frac{5252 \times HP}{RPM}$ = Force X Lever Arm (In Feet)

Force = Working Load in Pounds.
FPM = Feet Per Minute.
RPM = Revolutions Per Minute.
Lever Arm = Distance from the Force to the center of rotation in Inches or Feet.

HORSEPOWER

Common Unit of Mechanical power - (HP)

One HP is the rate of work required to raise 33,000 pounds one foot in one minute

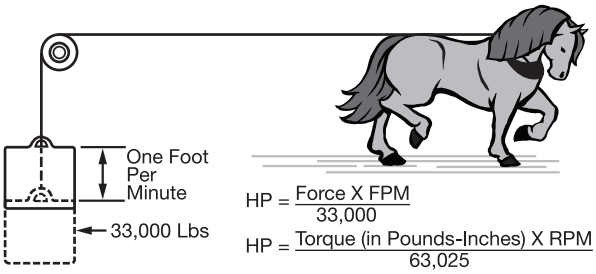
Example:

25 HP at 150 RPM = 10504 Pound-Inches Torque
2.5 HP at 150 RPM = 1050.4 Pound-Inches Torque

For other values of RPM move decimal point in RPM values to the left or right as desired, and in Torque values move to the right or left (opposite way) the same number of places.

Example:

25 HP at 150 RPM = 10504 Pound-Inches Torque
25 HP at 1.50 RPM = 1050400 Pound-Inches Torque
2.5 HP at 1.50 RPM = 105040 Pound-Inches Torque



$HP = \frac{Force \times FPM}{33,000}$

$HP = \frac{Torque\ (in\ Pounds\text{-}Inches) \times RPM}{63,025}$

$HP = \frac{Torque\ (in\ Pounds\text{-}Feet) \times RPM}{5,252}$

Overhung Loads

An overhung load is a bending force imposed on a shaft due to the torque transmitted by V-drives, chain drives and other power transmission devices, other than flexible couplings.

Most motor and reducer manufacturers list the maximum values allowable for overhung loads. It is desirable that these figures be compared with the load actually imposed by the connected drive.

Overhung loads may be calculated as follows:

$O.H.L. = \frac{63,000 \times HP \times F}{N \times R}$

Where HP = Transmitted hp X service factor
N = RPM of shaft
R = Radius of sprocket, pulley. etc. (inches)
F = Factor (See chart to right)

Weights of the drive components are usually negligible. The formula is based on the assumption that the load is applied at a point equal to one shaft diameter from the bearing face. Factor F depends on the type of drive used:

F = {
1.00 for single chain drives.
1.3 for TIMING Belt Drives and Sync belt Drives.
1.25 for spur or helical gear or double chain drives.
1.50 for V-belt drives.
2.50 for flat belt drives.
}

Example: Find the overhung load imposed on a reducer by a double chain drive transmitting 7 hp @ 30 RPM. The pitch diameter of the sprocket is 10"; service factor is 1.3.

Solution: $O.H.L. = \frac{(63,000)\ (7 \times 1.3)\ (1.25)}{(30)\ (5)} = 4,780\ lbs.$

Mathematical Equations

To find circumference of a circle, multiply diameter by 3.1416.
To find diameter of a circle, multiply circumference by .31831.
To find area of a circle, multiply square of diameter by .7854.
To find area of a rectangle, multiply length by breadth.
To find area of a triangle, multiply base by 1/2 perpendicular height.
To find area of ellipse, multiply product of both diameters by .7854.
To find area of parallelogram, multiply base by altitude.
To find side of an inscribed square, multiply diameter by 0.7071 or multiply circumference by 0.2251 or divide circumference by 4.4428.
To find side of inscribed cube, multiply radius of sphere by 1.1547.
To find side of an equal square, multiply diameter by .8862.
To find the surface of a sphere, square the diameter and multiply by 3.1416.
To find the volume of a sphere, cube the diameter and multiply by .5236.
A side of a square multiplied by 1.4142 equals diameter of its circumscribing circle.
A side of a square multiplied by 4.443 equals circumference of its circumscribing circle.

Table 32: Strength and Physical Properties of Various Metals

Metals and Alloys	Stress in Thousands of Pounds per Sq. Inch				Modulus of Elasticity Millions	Elongation%
	Tension Ultimate	Tension Yield Point	Compression Ultimate	Shear Ultimate		
Aluminum, Type 1100.0, Annealed	13	5	.....	9	10	45
Aluminum, Type 1100-H18, Hard	24	22	.....	13	10	15
Aluminum. Type 3003-0, Annealed	16	6	.....	11	10	40
Aluminum, Type 3003-H18, Hard	29	27	.....	16	10	10
Aluminum, Type 5052-0, Annealed	28	13	.....	18	10.20	30
Aluminum, Type 5052-H38, Hard	42	37	.....	24	10.20	8
Aluminum, Type 5056-0, Annealed	42	22	.....	26	10.30	35
Aluminum, Type 2014-0, Annealed	27	14	.....	18	10.60	18
Aluminum, Type 2014-T4, Heat Treated	62	42	.....	38	10.60	20
Aluminum, Type C4A, Casting. Solution Heat Treat	32	16	16▲	24	.....	8.50
Aluminum, Type S5C, As Die Cast	30	16	16▲	19	.....	9
Brass, Admiralty, Annealed	53	22	.....	.....	16	65
Brass, Aluminum, Annealed	60	27	.....	.....	16	55
Brass, Cartridge, 30% Zn, Annealed	44	11	.....	32	16	66
Brass, Cartridge, 30% Zn, Hard	76	63	.....	44	16	8
Brass, Naval, Annealed	57†	25†	.....	40 †	15	47†
Brass, Naval, Leaded, Annealed	57†	25†	.....	36 †	15	40†
Brass, Red, 15% Zn, Annealed	39	10	.....	31	17	48
Brass, Red, 15% Zn, Hard	70	57	.....	42	17	5
Brass, Red, Leaded, Cast, Grade 4A	33-46	17-24	10-12▲	.....	9.1-14.8	20-35
Brass, Red, Leaded, Cast, Grade 4B	30-38	12-17	11-12▲	.....	.....	15-27
Brass, Semi-Red, Leaded, Cast, Grade 5A	29-39	13-17	.....	.....	7.7-14.3	18-30
Brass, Semi-Red, Leaded, Cast, Grade 5B	30-40	12-16	8-10▲	.....	10-14	20-35
Brass, Yellow, 35% Zn, Annealed	46	14	.....	32	15	65
Brass, Yellow, 35% Zn, Hard	74	60	.....	43	15	8
Bronze, Aluminum, As Cast	67-95	27-45	.....	.....	15-18	5-35
Bronze, Commercial, 10% Zn, Annealed	37†	10†	.....	28 †	17	45=
Bronze, Manganese, Annealed	65†	30†	.....	42 v	15	33=
Bronze, Phosphor, Annealed	40-66	14-24	.....	.....	16-17	48-70
Bronze, Tin, High Leaded, Cast	23-38	11-22	12-16▲	.....	8.5-13	7-20
Bronze, Tin, Leaded, Cast	33-48	16-26	9-15▲	.....	10.6-16	15-40
Copper, Beryllium, Annealed	60-80	25-35v	.....	50-60 †	19	35-50†
Copper, Electrolytic, Tough Pitch, Annealed	32†	10†	.....	22 †	17	45†
Inconel, Cast	65-90	.....	.....	.....	23	10-20
Inconel, S, Cast	90-120	80-100	.....	.....	25	1-3
Inconel, Shapes, Plate, Etc., Annealed	80-100†	30-45†	.....	.....	31	35-55†
Inconel, X, Shapes, Plate, Etc., Annealed	110-130†	45-65†	.....	.....	31	40-55†
Iron, Cast, Class 30	30-34	.....	115	44	15	.....
Iron, Cast, Class 35	35-40	.....	125	43	16	.....
Iron, Ingot, Hot Rolled	44	23	.....	.....	29.80	47
Iron, Malleable, Class 32510	50	33	90	46	25	10-18
Iron, Malleable, Class 35018	55	37	90	51	25	18-25
Iron, Nodular (Ductile) Class 60-45-10	60	45	120	.....	22-25	10-25
Iron, Nodular (Ductile) Class 80-60-3	80	60	160	.....	22-25	3-10
Iron, Pearlitic, Malleable	60-90	40-70	.....	.....	28	3-12
Iron, Wrought, Hot Rolled	34-47	23-24	.....	.....	29	7-35
Lead, Hard, Rolled	4.0-4.6	.....	.....	.....	.....	31-48
Magnesium Alloy, Extruded, ASTM MIA	26-28	23-28	10-13	16	6.50	8-11
Magnesium Alloy, Extruded, ASTM AZ6IA-F	40-45	22-32	15-21	21	6.50	15-16
Magnesium Alloy, Cast, ASTM MIB	14	4.50	.....	11	6.50	5
Magnesium Alloy, Cast, ASTM AZ92A	24	14	.....	19	6.50	2
Magnesium Alloy, Cast, ASTM AZ9IA	36	23	.....	20	6.50	4

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Table 32: Strength and Physical Properties of Various Metals

Metals and Alloys	Stress in Thousands of Pounds per Sq. Inch				Modulus of Elasticity Millions	Elongation%
	Tension Ultimate	Tension Yield Point	Compression Ultimate	Shear Ultimate		
Monel, Cast	65-90	32-45	.....	.....	23	20-50
Monel, S, Cast	120-145	80-130	.....	.....	24.20	1-4
Monel, Shapes, Plate, Etc., Annealed	70-85†	25-45†	.....	.....	26	35-50†
Monel, K, Shapes, Plate, Etc., Annealed	90-105†	40-65†	.....	26	25-45	35-55†
Muntz Metal, Cu 59.63%, Zn balance	54	21	.....	40	15	45
Nickel, Cast .	50-65	15-30	.....	.....	21.50	15-30
Nickel, Silver, Annealed	49-63†	18-30†	.....	.....	17-18	35-60†
Steel, Cast Carbon, Class 70,000 Normalized	70	38	.....	.....	30	28
Steel, Cast Low Alloy, Class 100,000, Normalized and Tempered	100	68	.....	.....	29-30	20
Steel, Cast Low Alloy, Class 120,000, Quenched and Tempered	120	95	.....	.....	29-30	16
Steel, Cast Low Alloy, Class 200,000, Quenched and Tempered	200	170	.....	.....	29-30	5
Steel, Sheets	48	25	.....	.....	29-30	18-27
Steel, Stainless, Austenitic, Types 304, 316	85	35	.....	.....	28	55-60
Steel, Stainless, Martensitic, Type 416	75	40	.....	.....	29	30
Steel, Structural, Bridge and Building, ASTM A7	60-72	33	33▲	45-54	29-30	21
Steel, Structural, High Strength, Low Alloy, ASTM A242	63-70	42-50	42-50▲	47-53	29-30	18-24
Zinc, Die Cast Alloy XXIII	41	.....	60▲	31	.....	10

† When hardened, strength values are higher, elongation less

▲ Compression yield point

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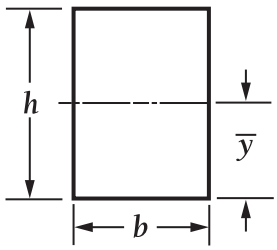
Table 33: Properties of Sections

A = area
I = moment of inertia
J = polar moment of inertia
Z = section modulus π
k = radius of gyration
y = centroidal distance

Rectangle



$A = bh$

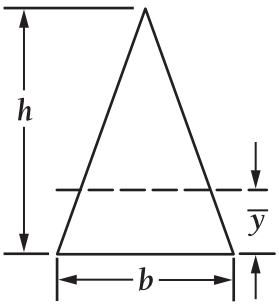
$I = \frac{bh^3}{12}$

$Z = \frac{bh^2}{6}$

$k = 0.289h$

$\overline{y} = \frac{h}{2}$

Triangle



$A = \frac{bh}{2}$

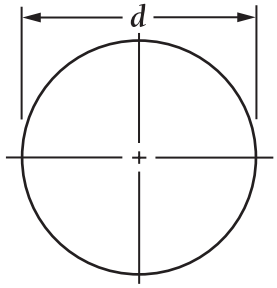
$I = \frac{bh^3}{36}$

$Z = \frac{bh^2}{24}$

$k = 0.236h$

$\overline{y} = \frac{h}{3}$

Circle



$A = \frac{\pi d^2}{4}$

$I = \frac{\pi d^4}{64}$

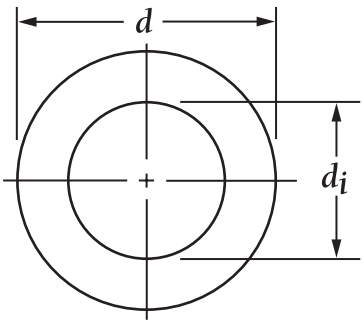
$Z = \frac{\pi d^3}{32}$

$J = \frac{\pi d^4}{32}$

$k = \frac{d}{4}$

$\overline{y} = \frac{d}{2}$

Hollow Circle



$A = \frac{\pi}{4}(d^2 - d_i^2)$

$I = \frac{\pi}{64}(d^4 - d_i^4)$

$Z = \frac{\pi}{32d}(d^4 - d_i^4)$

$J = \frac{\pi}{32}(d^4 - d_i^4)$

$k = \sqrt{\frac{d^2 - d_i^2}{16}}$

$\overline{y} = \frac{d}{2}$

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Table 34: Coefficients of Friction "f"

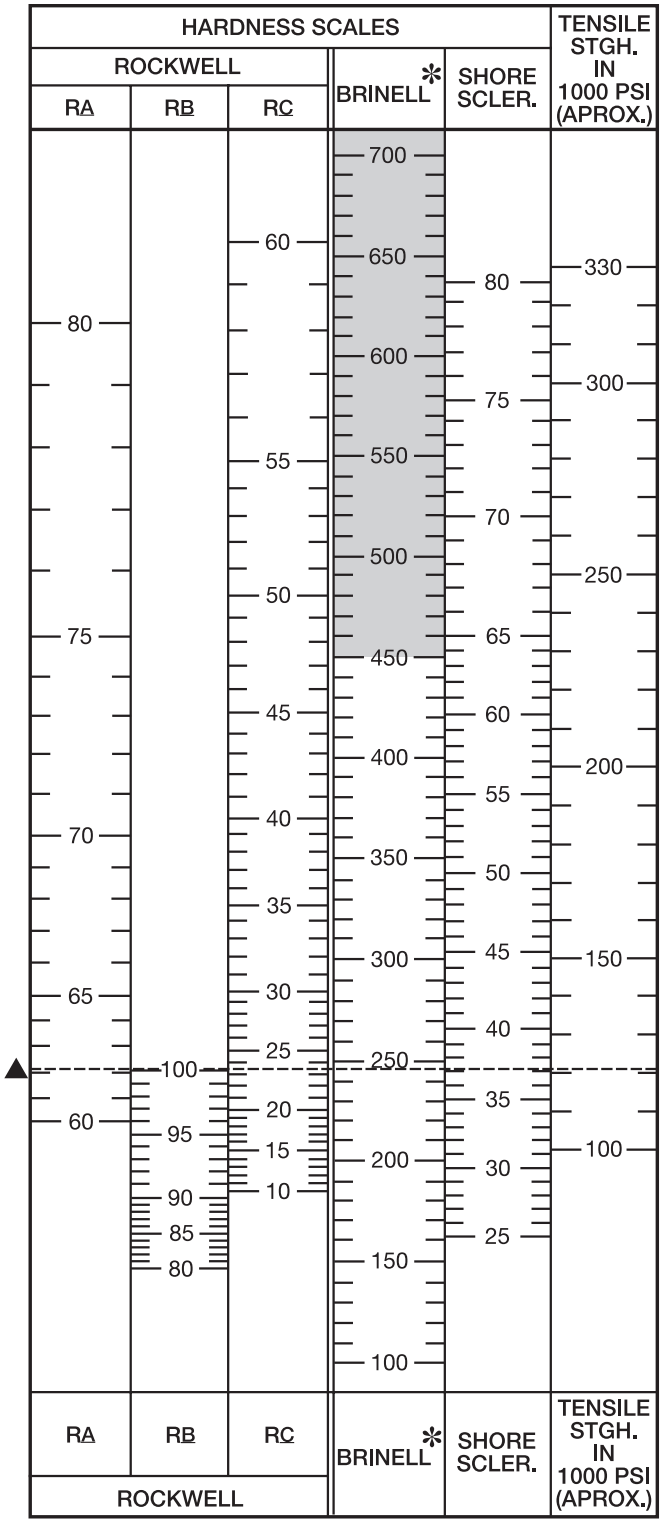
Material	Static		Sliding	
	Dry	Lubricated	Dry	Lubricated
Aluminum on aluminum	1.35	....	....	....
Canvas belt on rubber lagging	0.30	....	....	....
Canvas belt, stitched, on steel	....	....	0.20	0.10
Canvas belt, woven, on steel	....	....	0.22	0.10
Cast iron on asbestos, fabric	....	....	....	....
brake material	....	....	0.35-0.40	....
Cast iron on brass	....	....	0.30	....
Cast iron on bronze	....	....	0.22	0.07-0.08
Cast iron on cast iron	1.10	....	0.15	0.06-0.10
Cast iron on copper	1.05	....	0.29	....
Cast iron on lead	....	....	0.43	....
Cast iron on leather	0.60	....		0.13-0.36
Cast iron on oak (parallel)	....	....	0.30-0.50	0.07-0.20
Cast iron on magnesium	....	....	0.25	....
Cast iron on steel, mild	....	0.18	0.23	1/0/00 3:11
Cast iron on tin	....	....	0.32	....
Cast iron on zinc	0.85	....	0.21	....
Earth on earth	0.25-1.0	....	....	....
Glass on glass	0.94	....	0.40	....
Hemp rope on wood	0.50-0.80	....	0.40-0.70	....
Nickel on nickel	1.10	....	0.53	0.12
Oak on leather (parallel)	0.50-0.60	....	0.30-0.50	....
Oak on oak (parallel)	0.62	....	0.48	0.16
Oak on oak (perpendicular)	0.54	....	0.32	0.07
Rubber tire on pavement	0.8-0.9	0.6-0.7 *	0.75-0.85	0.5-0.7*
Steel on ice	0.03	....	0.01	....
Steel, hard, on babbit	0.42-0.70	0.08-0.25	0.33-0.35	0.05-0.16
Steel, hard. on steel, hard	0.78	0.11-0.23	0.42	0.03-0.12
Steel, mild, on aluminum	0.61	....	0.47	....
Steel, mild, on brass	0.51	....	0.44	....
Steel, mild, on bronze	....	....	0.34	0.17
Steel, mild, on copper	0.53	....	0.36	0.18
Steel, mild, on steel, mild	0.74	....	0.57	0.09-0.19
Stone masonry on concrete	0.76	....	....	....
Stone masonry on ground	0.65	....	....	....
Wrought iron on bronze	0.19	0.07-0.08	0.18	....
Wrought iron on wrought iron	....	0.11	0.44	0.08-0.10

* Wet pavement

Table 35: U.S. Standard Sheet Metal Gages

Gage No.	Thickness in Decimal Parts of an Inch	Gage No.	Thickness in Decimal Parts of an Inch
1	.2813	20	.0359
2	.2656	21	.0329
3	.2391	22	.0299
4	.2242	23	.0269
5	.2092	24	.0239
6	.1943	25	.0209
7	.1793	26	.0179
8	.1644	27	.0164
9	.1495	28	.0149
10	.1345	29	.0135
11	.1196	30	.0120
12	.1046	31	.0109
13	.0897	32	.0102
14	.0747	33	.0094
15	.0673	34	.0086
16	.0598	35	.0078
17	.0538	36	0070
18	.0478	37	.0066
19	.0418	38	.0063

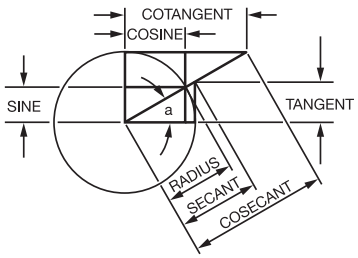
Hardness Comparison Chart

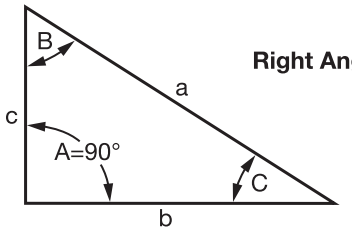


* Shaded area indicates values may vary depending on type of ball used.

▲ Example: A Brinell number of 245 is equal to 62 Rockwell "A", 100 Rockwell "B", 23 Rockwell "C", 37 Shore with a tensile of approximately 120,000 psi.

Trigonometric Formula





Right Angle Triangle

Table 36: Formulas for Finding Functions of Angles

Side opposite / Hypotenuse	=	SINE
Side adjacent / Hypotenuse	=	COSINE
Side opposite / Side adjacent	=	TANGENT
Side adjacent / Side opposite	=	COTANGENT
Hypotenuse / Side adjacent	=	SECANT
Hypotenuse / Side opposite	=	COSECANT

Table 37: Formulas for Finding Sides of Right Angle Triangles with an Angle and Side Known

To find: Length of side opposite	Hypotenuse x Sine Hypotenuse ÷ Coscant Side adjacent x Tangent Side adjacent ÷ Cotangent
To find: Length of side adjacent	Hypotenuse X Cosine Hypotenuse ÷ Secant Side opposite X Cotangent Side opposite ÷ Tangent
To find: Length of Hypotenuse	Side opposite X Cosecant Side opposite ÷ Sine Side adjacent X Secant Side adjacent ÷ Cosine

Table 38: To Find Angles and Sides of Right Angle Triangles

To Find Angles				To Find Angles		
To Find:	Formulas			To Find:	Formulas	
C	c / a	=	Sine C	a	$\sqrt{b^2 + c^2}$	- - -
C	b / a	=	Cosine C	a	c x Cosec. C	c / Sine C
C	c / b	=	Tan. C	a	c x Secant B	c / Cosine B
C	b / c	=	Cotan C	a	b x Cosec. B	b / Sine B
C	a / b	=	Secant C	a	b x Secant C	b / Cosine C
C	a / c	=	Cosec. C	b	$\sqrt{a^2 + c^2}$	- - -
B	c / a	=	Sine B	b	a x Sine B	a / Cosecant B
B	c / a	=	Cosine B	b	a x Cos. C	a / Secant C
B	b / c	=	Tan. B	b	c x Tan. B	c / Cotangent B
B	c / d	=	Cotan. B	b	c x Cot. C	c / Tangent C
B	a / c	=	Secant B	c	$\sqrt{a^2 + b^2}$	- - -
B	a / b	=	Cosec. B	c	a x Cos. B	a / Secant B
				c	a x Sine C	a / Cosecant C
				c	b x Cot. B	b / Tangent B
				c	b x Tan. C	b / Cotangent C

Oblique Angle Triangle

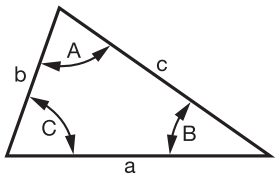


Table 39: To Find Angles and Sides of Oblique Angle Triangle

To Find Angles and Sides of Oblique Angle Triangle					
To find:	Known	Formulas	To Find:	Known	Formulas
C	A, B	180° (A + B)	A	B, C	180°- (B + C)
b	a, B, A	a x Sin. B / Sin A	Cos. A	a, b, c	$\frac{b^2 + c^2 - a^2}{2bc}$
c	a, A, C	a x Sin. C / Sin. A	Sin. C	c, A, a	c x Sin. A / a
Tan. A	a, C, b	a x Sin. C / b - (a x Cos. C)	Cot. B	a, C, b	a x Cosec. C / b
B	A, C	180° - (A + C)	c	b, C, B	b x Sin. C x Cosec. B
Sin. B	b, A, a	b x Sin. A / a	- - -	- - -	- - - - -

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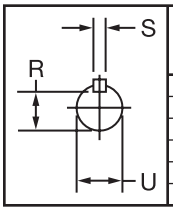
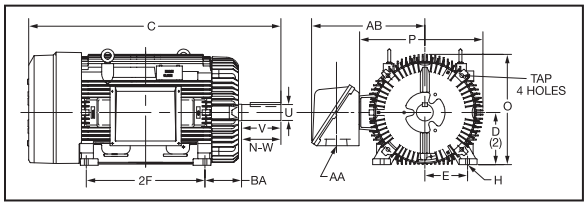
NEMA QUICK REFERENCE CHART

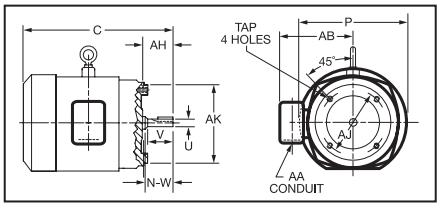
- Dimensions are for reference only
- Drawings represent standard TEFC general purpose motors

Contact DODGE at 1-864-297-4800 for "C" dimensions.



FRAME		NEMA SHAFT	KEYSEAT DIMENSIONS		FRAME		NEMA SHAFT	KEYSEAT DIMENSIONS	
		U	R	S			U	R	S
48	48	1/2	29/64	FLAT	284T	286T	1-7/8	1-19/32	1/2
56	56	5/8	33/64	3/16	324T	326T	2-1/8	1-27/32	1/2
143T	145T	7/8	49/64	3/16	364T	365T	2-3/8	2-1/64	5/8
182T	184T	1-1/8	63/64	1/4	404T	405T	2-7/8	2-29/64	3/4
213T	215T	1-3/8	1-13/64	5/16	444T	445T	3-3/8	2-7/8	7/8
254T	256T	1-5/8	1-13/32	3/8	447T	449T	3-3/8	2-7/8	7/8





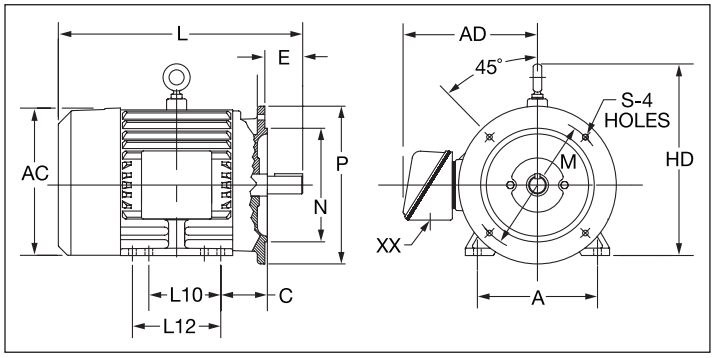
NEMA C-FACE	BA Dimensions
143TC - 145TC	2-3/4
182TC - 184 TC	3-1/2
213TC - 215TC	4-1/4
254TC- 256TC	4-3/4

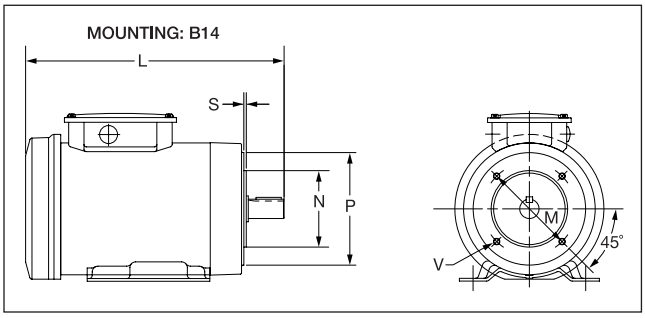
NEMA Frame	D	E	2F	H	N-W	O	P	U	Keyway	V	AA	AB	AH	AJ	AK	BA	Tap Size
48	3	2-1/8	2-3/4	11/32 SLOT	1-1/2	5-13/16	5-5/8	1/2		1-1/2	1/2	-	1-11/16	3-3/4	3	2-1/2	1/4-20
56	3-1/2	2-7/16	3	11/32	1-7/8	8-9/16	7-9/32	5/8	3/16x3/32	1-7/8	1/2	-	2-1/16	5-7/8	4-1/4	2-3/4	3/8-16
56H	3-1/2	2-7/16	5	SLOT	1-7/8	8-9/16	7-9/32	5/8	3/16x3/32	1-7/8	1/2	-	2-1/16	5-7/8	4-1/2	2-3/4	3/8-16
143T	3-1/2	2-7/16	4	11/32	2-1/4	8-9/16	7-9/32	7/8	3/16x3/32	2-1/4	3/4	-	2-1/8	5-7/8	4-1/2	2-1/4	3/8-16
145T	3-1/2	2-3/4	5	11/32	2-1/4	8-9/16	7-9/32	7/8	3/16x3/32	2-1/4	3/4	-	2-1/8	5-7/8	4-1/2	2-1/4	3/8-16
182	4-1/2	3-3/4	4-1/2	13/32	2-1/4	9-7/8	9-1/4	7/8	3/16x3/32	2-1/4	3/4	8-7/16	2-1/8	5-7/8	4-1/2	2-3/4	3/8-16
184	4-1/2	3-3/4	5-1/2	13/32	2-1/4	9-7/8	9-1/4	7/8	3/16x3/32	2-1/4	3/4	8-7/16	2-1/8	5-7/8	4-1/2	2-3/4	3/8-16
182T	4-1/2	3-3/4	4-1/2	13/32	2-3/4	9-7/8	9-1/4	1-1/8	1/4x1/8	2-3/4	3/4	7-13/16	2-5/8	7-1/4	8-1/2	2-3/4	1/2-13
184T	4-1/2	3-3/4	5-1/2	13/32	2-3/4	9-7/8	9-1/4	1-1/8	1/4x1/8	2-3/4	3/4	7-13/16	2-5/8	7-1/4	8-1/2	2-3/4	1/2-13
213	5-1/4	4-1/4	5-1/2	13/32	3	11-1/4	10-1/2	1-1/8	1/4x1/8	3	1	9-5/16	2-3/4	7-1/4	8-1/2	3-1/2	1/2-13
215	5-1/4	4-1/4	7	13/32	3	11-1/4	10-1/2	1-1/8	1/4x1/8	3	1	9-5/16	2-3/4	7-1/4	8-1/2	3-1/2	1/2-13
213T	5-1/4	4-1/4	5-1/2	13/32	3-3/8	11-1/4	10-1/2	1-3/8	5/16x5/32	3-3/8	1	8-11/16	3-1/8	7-1/4	8-1/2	3-1/2	1/2-13
215T	5-1/4	4-1/4	7	13/32	3-3/8	11-1/4	10-1/2	1-3/8	5/16x5/32	3-3/8	1	8-11/16	3-1/8	7-1/4	8-1/2	3-1/2	1/2-13
254U	6-1/4	5	8-1/4	17/32	3-3/4	13-1/4	13-1/4	1-3/8	5/16x5/32	3-3/4	1-1/4	10-13/16	3-1/2	7-1/4	8-1/2	4-1/4	1/2-13
256U	6-1/4	5	10	17/32	3-3/4	13-1/4	13-1/4	1-3/8	5/16x5/32	3-3/4	1-1/4	10-13/16	3-1/2	7-1/4	8-1/2	4-1/4	1/2-13
254T	6-1/4	5	8-1/4	17/32	4	13-1/4	13-1/4	1-5/8	3/8x3/16	4	1-1/4	10-3/4	3-3/4	7-1/4	8-1/2	4-1/4	1/2-13
256T	6-1/4	5	10	17/32	4	13-1/4	13-1/4	1-5/8	3/8x3/16	4	1-1/4	10-3/4	3-3/4	7-1/4	8-1/2	4-1/4	1/2-13
284U	7	5-1/2	9-1/2	17/32	4-7/8	14-3/4	14-7/8	1-5/8	3/8x3/16	4-7/8	1-1/2	12-5/8	4-5/8	9	10-1/2	4-3/4	1/2-13
286U	7	5-1/2	11	17/32	4-7/8	14-3/4	14-7/8	1-5/8	3/8x3/16	4-7/8	1-1/2	12-5/8	4-5/8	9	10-1/2	4-3/4	1/2-13
284T	7	5-1/2	9-1/2	17/32	4-5/8	14-3/4	14-7/8	1-7/8	1/2x1/4	4-5/8	1-1/2	12-3/4	4-3/8	9	10-1/2	4-3/4	1/2-13
286T	7	5-1/2	11	17/32	4-5/8	14-3/4	14-7/8	1-7/8	1/2x1/4	4-5/8	1-1/2	12-3/4	4-3/8	9	10-1/2	4-3/4	1/2-13
284TS	7	5-1/2	9-1/2	17/32	3-1/4	14-3/4	14-7/8	1-5/8	3/8x3/16	3-1/4	1-1/2	12-3/4	3	9	10-1/2	4-3/4	1/2-13
286TS	7	5-1/2	11	17/32	3-1/4	14-3/4	14-7/8	1-5/8	3/8x3/16	3-1/4	1-1/2	12-3/4	3	9	10-1/2	4-3/4	1/2-13
324U	8	6-1/4	10-1/2	21/32	5-5/8	16-11/16	17	1-7/8	1/2x1/4	5-5/8	2	15-7/16	5-3/8	11	12-1/2	5-1/4	5/8-11
326U	8	6-1/4	12	21/32	5-5/8	16-11/16	17	1-7/8	1/2x1/4	5-5/8	2	15-7/16	5-3/8	11	12-1/2	5-1/4	5/8-11
324T	8	6-1/4	10-1/2	21/32	5-1/4	16-11/16	17	2-1/8	1/2x1/4	5-1/4	2	15-3/16	5	11	12-1/2	5-1/4	5/8-11
326T	8	6-1/4	12	21/32	5-1/4	16-11/16	17	2-1/8	1/2x1/4	5-1/4	2	15-3/16	5	11	12-1/2	5-1/4	5/8-11
324TS	8	6-1/4	10-1/2	21/32	3-3/4	16-11/16	17	1-7/8	1/2x1/4	3-3/4	2	15-3/16	3-1/2	11	12-1/2	5-1/4	5/8-11
326TS	8	6-1/4	12	21/32	3-3/4	16-11/16	17	1-7/8	1/2x1/4	3-3/4	2	15-3/16	3-1/2	11	12-1/2	5-1/4	5/8-11
364U	9	7	11-1/4	21/32	6-3/8	18-1/2	19-1/2	2-1/8	1/2x1/4	6-3/8	2-1/2	18	6-1/8	11	12-1/2	5-7/8	5/8-11
365U	9	7	12-1/4	21/32	6-3/8	18-1/2	19-1/2	2-1/8	1/2x1/4	6-3/8	2-1/2	18	6-1/8	11	12-1/2	5-7/8	5/8-11
364T	9	7	11-1/4	21/32	5-7/8	18-1/2	19-1/2	2-3/8	5/8x5/16	5-7/8	2-1/2	18-1/16	5-5/8	11	12-1/2	5-7/8	5/8-11
365T	9	7	12-1/4	21/32	5-7/8	18-1/2	19-1/2	2-3/8	5/8x5/16	5-7/8	2-1/2	18-1/16	5-5/8	11	12-1/2	5-7/8	5/8-11
364TS	9	7	11-1/4	21/32	3-3/4	18-1/2	19-1/2	1-7/8	1/2x1/4	3-3/4	2-1/2	18-1/16	3-1/2	11	12-1/2	5-7/8	5/8-11
365TS	9	7	12-1/4	21/32	3-3/4	18-1/2	19-1/2	1-7/8	1/2x1/4	3-3/4	2-1/2	18-1/16	3-1/2	11	12-1/2	5-7/8	5/8-11
404U	10	8	12-1/4	13/16	7-1/8	21-5/16	22-1/2	2-3/8	5/8x5/16	7-1/8	3	19-1/4	6-7/8	11	12-1/2	6-5/8	5/8-11
405U	10	8	13-3/4	13/16	7-1/8	21-5/16	22-1/2	2-3/8	5/8x5/16	7-1/8	3	19-1/4	6-7/8	11	12-1/2	6-5/8	5/8-11
404T	10	8	12-1/4	13/16	7-1/4	21-5/16	22-1/2	2-7/8	3/4x3/8	7-1/4	3	19-5/16	7	11	12-1/2	6-5/8	5/8-11
405T	10	8	13-3/4	13/16	7-1/4	21-5/16	22-1/2	2-7/8	3/4x3/8	7-1/4	3	19-5/16	7	11	12-1/2	6-5/8	5/8-11
404TS	10	8	12-1/4	13/16	4-1/4	21-5/16	22-1/2	2-1/8	1/2x1/4	4-1/4	3	19-5/16	4	11	12-1/2	6-5/8	5/8-11
405TS	10	8	13-3/4	13/16	4-1/4	21-5/16	22-1/2	2-1/8	1/2x1/4	4-1/4	3	19-5/16	4	11	12-1/2	6-5/8	5/8-11
444U	11	9	14-1/2	13/16	8-5/8	23-3/8	25-1/4	2-7/8	3/4x3/8	8-5/8	3	22-3/16	8-3/8	14	16	7-1/2	5/8-11
445U	11	9	16-1/2	13/16	8-5/8	23-3/8	25-1/4	2-7/8	3/4x3/8	8-5/8	3	22-3/16	8-3/8	14	16	7-1/2	5/8-11
444T	11	9	14-1/2	13/16	8-1/2	23-3/8	25-1/4	3-3/8	7/8x7/16	8-1/2	3	23-3/8	8-1/4	14	16	7-1/2	5/8-11
445T	11	9	16-1/2	13/16	8-1/2	23-3/8	25-1/4	3-3/8	7/8x7/16	8-1/2	3	23-3/8	8-1/4	14	16	7-1/2	5/8-11
447T	11	9	20	13/16	8-1/2	23-5/8	26	3-3/8	7/8x7/16	8-1/2	3	23-7/8	8-1/4	14	16	7-1/2	5/8-11
449T	11	9	25	13/16	8-1/2	23-5/8	26	3-3/8	7/8x7/16	8-1/2	3	23-7/8	8-1/4	14	16	7-1/2	5/8-11
444TS	11	9	14-1/2	13/16	4-3/4	23-3/8	25-1/4	2-3/8	5/8x5/16	4-3/4	3	23-3/8	4-1/2	14	16	7-1/2	5/8-11
445TS	11	9	16-1/2	13/16	4-3/4	23-3/8	25-1/4	2-3/8	5/8x5/16	4-3/4	3	23-3/8	4-1/2	14	16	7-1/2	5/8-11
447TS	11	9	20	13/16	4-3/4	23-5/8	26	2-3/8	5/8x5/16	4-3/4	4 NPT	23-7/8	4-1/2	14	16	7-1/2	5/8-11
449TS	11	9	25	13/16	4-3/4	23-5/8	26	2-3/8	5/8x5/16	4-3/4	4 NPT	23-7/8	4-1/2	14	16	7-1/2	5/8-11

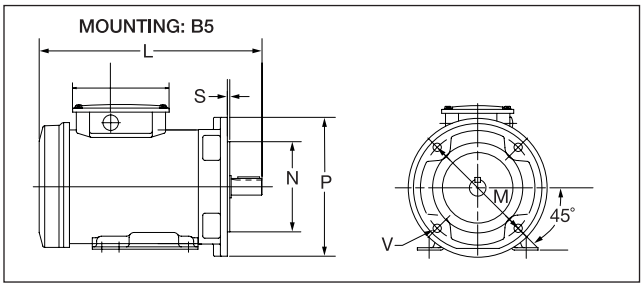
IEC QUICK REFERENCE CHART

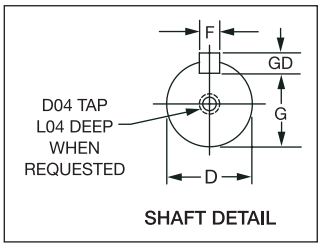
- Dimensions are for reference only
- Drawings represent standard TEFC general purpose motors

Contact DODGE at 1-864-297-4800 for "C" dimensions.









KEY AND KEYSEAT DIMENSIONS

FRAME	D	G	F	GD	FRAME	D	G	F	GD
71	14	11	5	5	160	37	42	12	8
80	19	15.5	6	6	180	48	42.5	14	9
90	24	20	8	7	200	55	49	16	10
100	28	24	8	7	225	60	53	18	11
112	28	24	8	7	250	70	67.5	20	12
132	38	33	10	8	280	80	71	22	14

Frame	B3 RIGID BASE					SHAFT		B5 FLANGE					B14 FACE					GENERAL		
	A	L10	L12	HD	C	E	D	N	M	P	S	V	N	M	P	S	V	AC	AD	XX
71	–	–	–	–	–	–	–	110	130	160	"3,5"	"9,5"	70	85	105	2.5	M6	143	–	13
80	125	100	–	188	50	40	19	130	165	200	"3,5"	"11,5"	80	100	120	3	M6	143	–	13
90	140	100	125	208	56	50	24	130	165	200	"3,5"	"11,5"	95	115	140	3	M8	163	–	13
100	160	112	140	229	63	60	28	180	215	250	4	14	110	130	160	3.5	M8	175	–	19
112S	190	114	–	301.8	71.4	60	28	180	215	250	4	14	110	130	160	3.5	M8	243	210	32
112M	190	–	140	301.8	71.4	60	28	180	215	250	4	14	110	130	160	3.5	M8	243	210	32
132S	216	140	–	336.6	88.9	80	38	230	265	300	4	14	130	165	200	3.5	M8	286	243	32
132M	216	–	178	336.6	88.9	80	38	230	265	300	4	14	130	165	200	3.5	M8	286	243	32
160M	254	210	–	399	108	110	42	250	300	350	5	18	180	215	250	4	M12	324	320	40
160L	254	–	254	399	108	110	42	250	300	350	5	18	180	215	250	4	M12	324	320	40
180M	279	241	–	436	121	110	48	250	300	350	5	18	398	355	40			398	355	40
180L	279	–	279	436	121	110	48	250	300	350	5	18	398	355	40			398	355	40
200M	318	267	–	486	133	110	55	300	350	400	5	18	442	445	50			442	445	50
200L	318	–	305	486	133	110	55	300	350	400	5	18	442	445	50			442	445	50
225S	356	286	–	545	149	140	60	350	400	450	5	18	490	470	50			490	470	50
225M	356	–	311	545	149	140	60	350	400	450	5	18	490	470	50			490	470	50
250S	406	311	–	616	168	140	65											600	510	63
250M	406	–	349	616	168	140	65											600	535	63
280S	457	368	-	677	190	140	75											650	535	63
280M	457	-	419	677	190	140	75											650	535	63
280K	457	500	-	677	190	140	75											650	535	63
280H	457	630	-	677	190	140	75											650	535	63
L280H	457	635	-	677	202	205	75											650	535	63

LEGEND
Metric Dimensions in MM
1 mm = .03937"

NOTES

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