

Mechanical Drive Components



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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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Accessories Products	
Bushing Products	
Roller Chain Sprockets	
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Reference Guide

HT500 Synchronous Belt Drives Page PT3-2

Virtually maintenance free

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



Modified Curvilinear Tooth Profile

- 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 compared to chain drive

HT250 Synchronous Belt Drives Page PT3-79

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



HTD Synchronous Belt Drives Page PT3-122

- Full line of QD sprockets
- Available pitches: 5 mm, 8 mm, and 14 mm
- Made-to-order sprocket capabilities: construction, non-standard number of teeth, etc.
- Computer drive selection available
- Curvilinear tooth profile



DYNA-SYNC Drives (Timing) Page PT3-134

The Original Timing Drive

- Synchronized No-Slip Transmission
- No Lubrication Required
- Low Maintenance
- Virtually No Backlash
- Constant Linear Velocity
- Pitches: XL, L, H, and XH
- Dual-Sided Teeth Available for Serpentine D



V-Belt Sheaves Page PT4-3

- Full line of TAPER-LOCK, QD, and Split taper available
- Classical (A, B, and C) Wedge style (3V, 5V, and 8V) groove profiles
- Narrow belt (3V, 5V, and 8V) belt 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 PT4-44

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



FHP Belt Drives Page PT4-146

- Full range of FHP sheaves and belts available
- Finished-bore and "QT/L" bushed style sheaves available
- "H" bushings available in metric bores
- Sheave outside diameter range: 1-1/2" to 19-3/4"
- Variable pitch sheaves available
- Computer drive selection available



Reference Guide

Roller Chain Sprockets

Page PT5-2

- Sprockets manufactured to ANSI standard
- TAPER-LOCK sprockets: #35 (3/8" pitch) to #160 (2" pitch)
- Double-strand and double-single sprockets also available



Bushings

Page PT6-2

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



Weld-On Hubs

Page PT6-27

- 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



Synchronous Products

PT3-2	HT500
PT3-2	HT500 Features/Benefits
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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.

Value added Features

- Virtually maintenance 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.)
- Temperature range is -65° F to 185° F
- Standard catalog products are rated for 6,500 FPM. MTO options available up to 10,000 FPM. Contact Dodge for MTO products
- Higher power ratings than comparable timing belts, making HT500 suited to replace chain drives
- Wide range of stock parts available
- With our TAPER-LOCK bushing installation an easy on, easy off process is assured

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 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



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.

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
- 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 Dodge's commitment to your success by providing you energy savings and overall cost reduction. Another TCO solution for the marketplace!

Features/Benefits

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 percent 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 percent	Efficiency 98 percent
RPM	1800	Status: Current	Status: New
Nameplate Efficiency	95.4		
Motor Load	75 percent		
Estimated kW/hr rate	\$0.10	264,920 kWh/yr x .93 = 246,376 kWh/yr	264,920 kWh/yr x .98 = 259,622 kWh/yr
Estimated kW/hr use by motor	264,920 kWh/yr	264,920 - 246,376 kWh/yr = 18,544 kWh/yr or 7 percent	264,920 - 259,622 kWh/yr = 5,298 kWh/yr or 2 percent
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

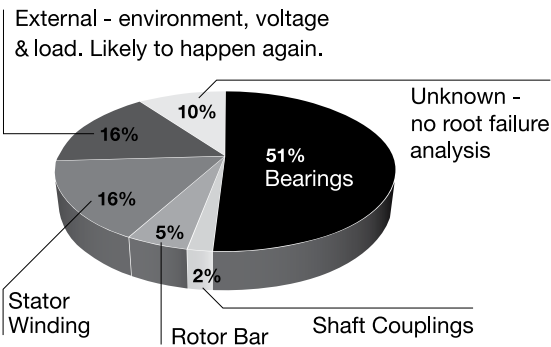
Our Value added solution will not only save you time and money short term, but many years thereafter



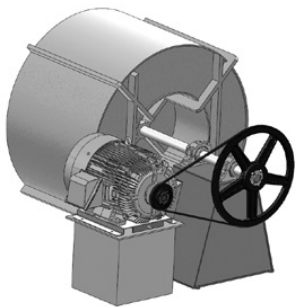
Features/Benefits

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 percent of all motor failure is attributed to bearing problems. By decreasing the belt pull and overall overhung load, a motor bearing will last longer.

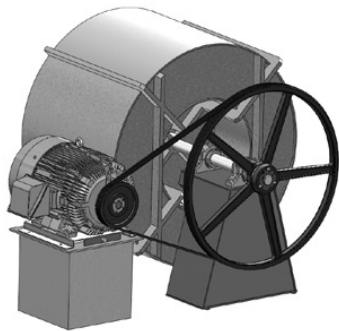


HT500 75HP Synchronous Drive vs. V-Belt Drive Comparison



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	-
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	-
Motor Base	45B type B slide base	122118

Our Total Cost of Ownership Solution!

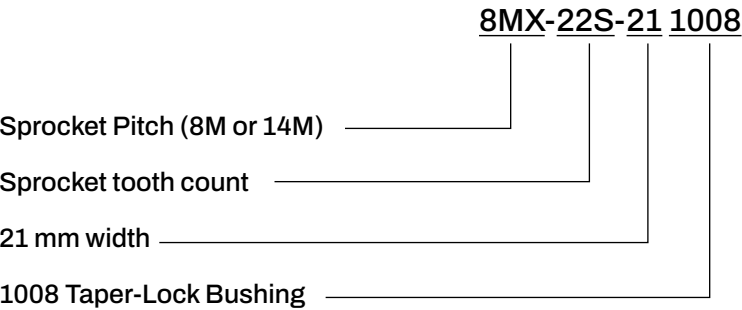
We want to offer you added value solutions so you can achieve your maximum potential cost savings

- Driver sheave diameter reduced by 38 percent
- Driven sheave diameter reduced by 37 percent
- Used 1 belt instead of 3
- Cost Reduction
- Reduced overall drive weight by 51 percent
- Belt pull reduced by 23 percent which increases the L10 life of the motor bearing by a factor of 2

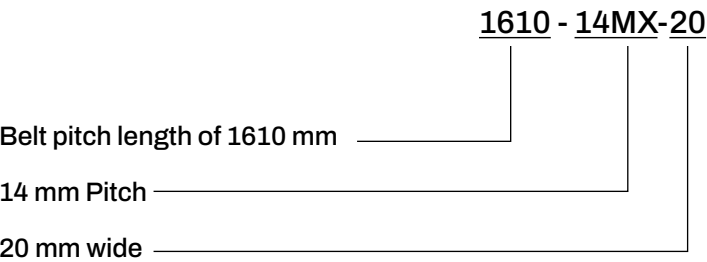
Features/Benefits

HT500 Sprocket and Belt Part Nomenclature

Sprocket Designation

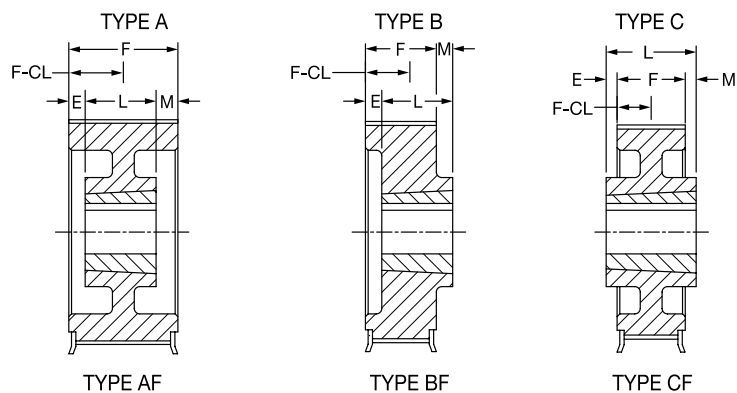


Belt Designation



Specification

HT500 Taper-Lock Sprockets



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

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-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

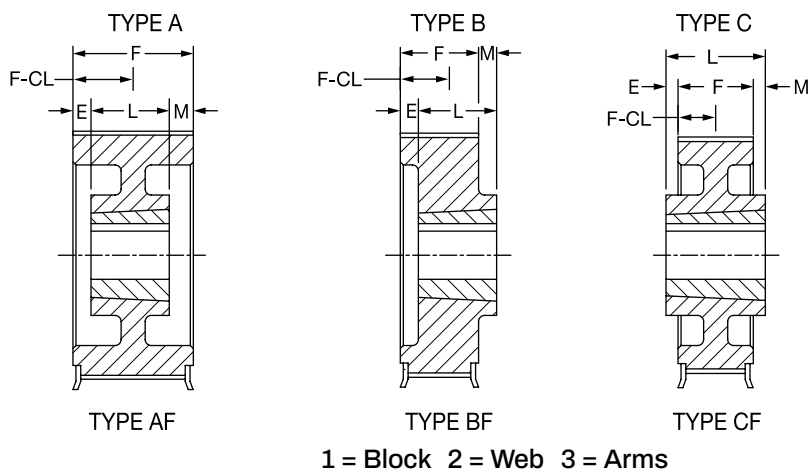
HT500 Taper-Lock Sprockets (Continued)

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

Specification

HT500 Taper-Lock Sprockets



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

HT500 Taper-Lock Sprockets (Continued)

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

Reference Guide

Synchronous Products

V-Belt Products

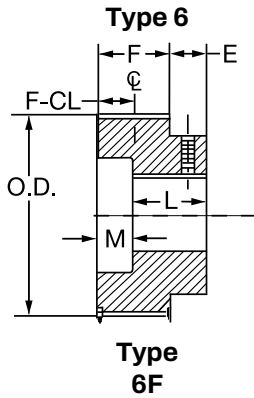
Roller Chain Sprockets

Bushing Products

Accessories Products

Specification

HT500 MPB Sprockets



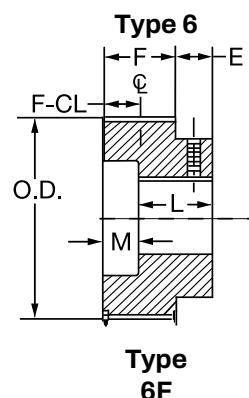
The letter “F” shown with type 6F indicates that Sprocket has flanges

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

Reference Guide

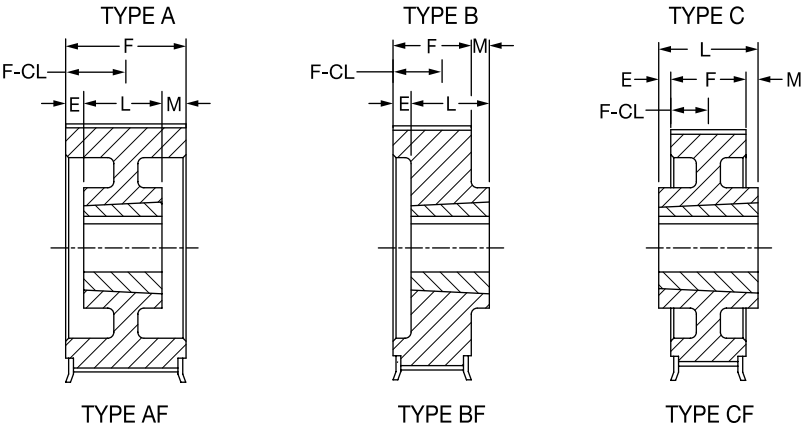
Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products



1 = Block 2 = Web 3 = Arms

The letter “F” in column “Type” indicates that Sprocket has flanges

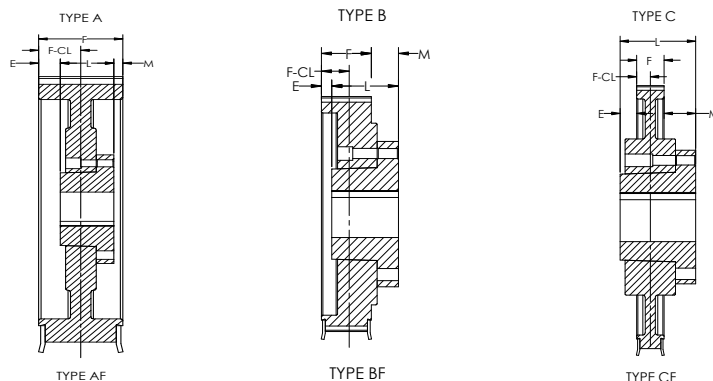
FIN-FAN HT500 Sprockets		For Cooling Tower Drives										
Sprocket Number	Part No.	No. Of Teeth	Diameters (In.)			Type	Bore Sizes				Approx. Weight (Lbs.)	Approx. WR^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		L	M	Min.	Max		
14MX-37			F = 2.06"									
F14MX-180S-37-3020	482086	180	31.580	31.470	–	B3	2.00	0.06	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

Specification

HT500 Sprockets

For ACHE Application

QD



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.
			P.D.	O.D.	Flange		E	L	M	Min.	Max	Weight (Lbs.)
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

Reference Guide

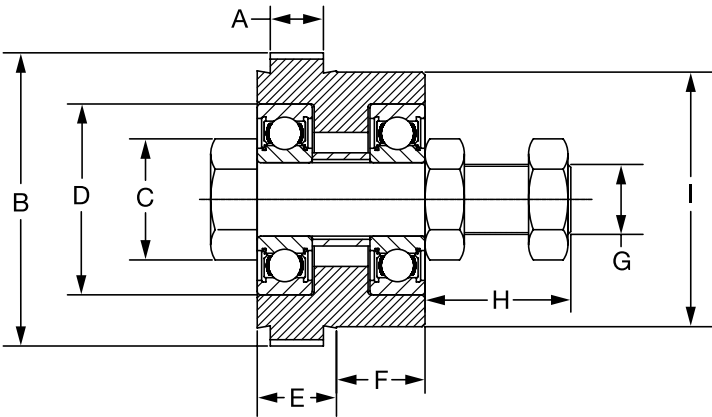
Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products



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

8 mm Pitch HT500 Belts

12 mm Wide			21 mm Wide			36 mm Wide			62 mm 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			

Reference Guide
Synchronous Products
V-Belt Products
Roller Chain Sprockets
Bushing Products
Accessories Products

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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

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

Design Load = (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.		
	Intermittent Service	Normal Service	Continuous Service
	3-5 Hours Daily	8-10 Hours Daily	16-24 Hours Daily
Uniform Load: Agitators and 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 and flatbed presses, linotype, folders	1.0	1.2	1.3
Moderate Shock Load: Agitator Mixers: dough, heavy syrups Brick and Clay Machinery: auger, brick machines Conveyors: apron, bucket, pan, elevator Cranes and Hoists: hoists, elevators Line Shafts: moderate, heavy service Paper Industry: yankee dryer, winder drums Printing Machinery: magazine and newspaper printing presses Rubber and Plastics Machinery: calendars, rolls, tubers, extruders	1.3	1.4	1.5
Heavy Shock Loads: Brick and 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 and 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.

Selection program available online at ptwizard.com

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 percent 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:

$$\text{Design Horsepower} = (\text{Motor Load}) \times (\text{Low-Speed Service Factor}) \times (\text{Reducer Efficiency})$$

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

$$\begin{aligned} \text{Average Measured Amps} &= \frac{\text{Phase 1} + \text{Phase 2} + \text{Phase 3}}{3} \\ &= \frac{4.1 \text{ amps} + 4.4 \text{ amps} + 4.2 \text{ amps}}{3} \end{aligned}$$

Average Measured Amps = 4.2 amps

$$\begin{aligned} \text{Motor Load} &= \frac{(\text{Nameplate hp}) (\text{Average Measured Amps})}{(\text{Nameplate Amps})} \\ &= \frac{5 \text{ hp} \times 4.2 \text{ amps}}{7.0 \text{ amps}} \end{aligned}$$

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

$$\begin{aligned} \text{Speed Reducer Rated Input Load hp} &= .65 \\ \text{Speed Reducer Rated Output Torque} &= \text{lb-in. } 6210 \\ \text{Speed Reducer Rated Output Speed rpm} &= 35 \\ \text{Rated Output hp} &= \frac{(\text{Rated Output Torque}) \times (\text{Output Speed})}{63025} \\ &= \frac{(6210 \text{ lb-in}) \times (35 \text{ rpm})}{63025} \end{aligned}$$

Rated Output hp = 3.4

$$\begin{aligned} \text{Reducer Efficiency} &= \frac{\text{Rated Output Power}}{\text{Rated Input Power}} \\ &= \frac{3.4 \text{ hp}}{6.5 \text{ hp}} \end{aligned}$$

Reducer Efficiency = 0.53 or 53 percent

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 percent
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 8 mm pitch section, but a 14 mm 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 (8 mm or 14 mm) 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 = 14 mm
Belt Drive Speed Ratio = 2.000
Center Distance = 50.00 ± 3.00 in. (from the problem statement)

Refer to the 14 mm 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:

$$\begin{aligned} \text{Rated Drive Horsepower} = & [\text{Rated Base Horsepower} \\ & + \text{Additional Horsepower for Speed Ratio}] \\ & \times (\text{Belt Length Correction Factor}) \end{aligned}$$

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 14 mm pitch Horsepower Rating Table for 20 mm 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 20 mm** 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 = 14 mm
Belt Size = 3136-14MX, 224 teeth (123.46 in. P.L.)
Belt Width = 20 mm
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

$$T_{st} = \frac{20 \text{ DHP}}{S} + mS^2, \text{ pounds}$$

where:

DHP = Design Horsepower = 1.59 hp

m = 0.92, constant for 14 mm pitch, 20 mm wide belt from Table 10 on page PT12-34.

$$S = (\text{Sprocket Diameter}) \times (\text{Shaft Speed}) / 3820 \\ = (4.912 \text{ in.}) \times (35 \text{ rpm}) / 3820$$

S = 0.05

$$T_{st} = \frac{20 (1.59)}{0.05} + (0.92)(0.05)^2$$

$$T_{st} = 636.00 + 0.002 \text{ lb.}$$

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.**

$$t = \sqrt{50.10^2 - \left(\frac{9.825 - 4.912}{2}\right)^2}$$

t = 50.04 in.

b. Calculate Minimum and Maximum belt deflection forces referring to Formulas 15 and 16 on page PT12-35:

$$\text{Min Deflection Force} = \frac{1.1t + \left(\frac{t}{L}\right)Y}{16} \text{ pounds}$$

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)

$$\text{Min Deflection Force} = \frac{1.1(636.0) + \left(\frac{50.04}{123.46}\right)(230)}{16}$$

Min. Deflection Force = 49.5 lb.

$$\text{Max Deflection Force} = \frac{1.2T_{st} + \left(\frac{t}{L}\right)Y}{16}$$

$$\text{Max Deflection Force} = \frac{1.2(636.0) + \left(\frac{50.04}{123.46}\right)(230)}{16}$$

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

$$\text{Deflection Distance} = \frac{t}{64}, \text{ inches}$$

$$\text{Deflection Distance} = \frac{50.04}{64}$$

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 Conveyor 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 $(5.00 \text{ hp}) \times (1.7) = 8.50 \text{ hp}$. 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 68 mm is required for this higher 8.50 Design Horsepower Load using the Traditional Design Method compared to a belt width of only 20 mm 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 = $(5.00 \text{ hp}) \times (1.3) = 6.50 \text{ hp}$. Referring to the Horsepower Rating Tables on pages PT12-38 - PT12-46, **the belt width required for 6.50 Design Horsepower is 68 mm.**

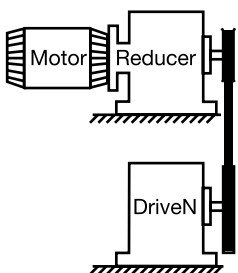
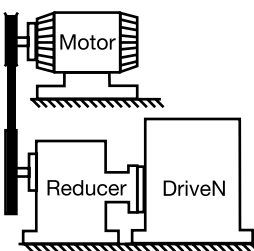
Comparison 3—Benefit of Designing with Actual Motor Load

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 = $(3.00 \text{ hp}) \times (1.3) = 3.90 \text{ hp}$. Referring to the Horsepower Rating Tables on pages PT12-38 - PT12-46, **the belt width required for 3.90 Design Horsepower is only 37 mm compared to the 68 mm belt width required in Comparison 2.**

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 Input Shaft

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:

Percent 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 _____

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 percent. 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.

$$\begin{aligned}\text{Design Horsepower} &= (\text{Motor Load}) \times (\text{Service Factor}) \\ &= (30) \times (1.7)\end{aligned}$$

$$\text{Design Horsepower} = 51 \text{ hp}$$

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 8 mm pitch range, but near the 14 mm pitch area. Both 8 mm and 14 mm 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

$$\text{Speed Ratio} = \frac{\text{rpm of faster shaft}}{\text{rpm of slower shaft}} = \frac{1160}{580} = 2.00$$

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 (8 mm or 14 mm) 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 = 8 mm and 14 mm
Belt Drive Speed Ratio = 2.00
Center Distance = 30.00 $\pm$ 3.00 in.

First, refer to the 8 mm 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 8 mm pitch drive will not be utilized for this drive system.

Now refer to the 14 mm 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 $\pm$ 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:

$$V \text{ (fpm)} = PD \text{ (inches)} \times \frac{\text{Speed (rpm)}}{3.82}$$

Example

14 mm Pitch Drive with 40 groove driveR:

$$V = \frac{7.018 \times 1160}{3.82} = 2131.1 \text{ fpm}$$

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:

$$\begin{aligned} \text{Rated Drive Horsepower} = & [\text{Rated Base Horsepower} \\ & + \text{Additional Horsepower for Speed Ratio}] \\ & \times (\text{Belt Length Correction Factor}) \end{aligned}$$

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 14 mm pitch Horsepower Rating Table for 20 mm 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:

$$\begin{aligned} \text{Rated Drive Horsepower} = & [\text{Rated Base Horsepower} + \text{Added HP for Speed Ratio}] \times \\ & (\text{Belt Length Correction Factor}) = [60.0 \text{ hp} + 3.53 \text{ hp}] \times (1.01) \end{aligned}$$

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 20 mm 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

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) = 28.01 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 = 14 mm
Belt Size = 2380-14MX, 170 teeth (93.70 in. P.L.)
Belt Width = 20 mm
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

$$TST = \frac{20 \text{ HP}}{S} + mS^2, \text{ pounds}$$

Where:

HP = Horsepower = 30 hp
m = 0.92, constant for 14 mm pitch, 20 mm 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

$$TST = \frac{20(30)}{213} + (0.92)(2.13)^2$$

$$TST = 281.69 + 4.17 \text{ lb.}$$

$$TST = 285.86 \text{ lb.}$$

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.

$$t = \sqrt{30.11^2 - \left(\frac{14.036 - 7.018}{2}\right)^2}$$

b. Calculate Minimum and Maximum belt deflection forces referring to Formulas 15 and 16 on page PT12-35:

$$\text{Min Deflection Force} = \frac{1.1st + \left(\frac{t}{L}\right)Y}{16}$$

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.

$$\text{Max Deflection Force} = \frac{1.2Tst + \left(\frac{t}{L}\right)Y}{16}$$

$$\text{Max Deflection Force} = \frac{1.2(685.86) + \left(\frac{29.90}{93.70}\right)(230)}{16}$$

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

Deflection Distance = $\frac{t}{64}$, inches

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.

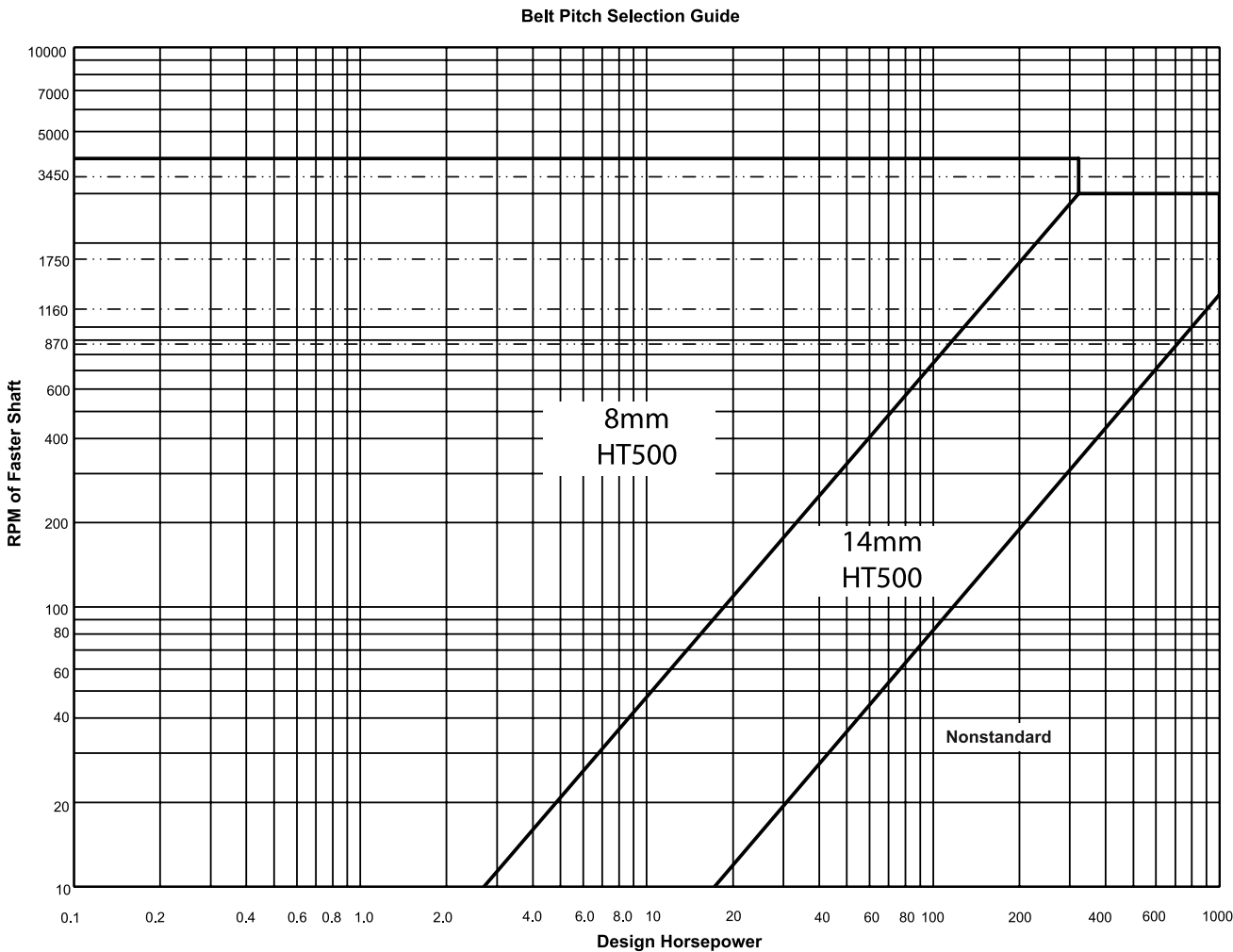


Table 4

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 teal 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.

Selection

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			AC Motors: High Torque, High Slip, Repulsion-Induction, Single Phase, Series, Wound, Slip Ring.		
	DC Motors: Shunt Wound, Stepper Motors			DC Motors: Series Wound, Compound, Wound, Servo Motors.		
	Engines: Multiple Cylinder Internal Combustion.			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 and 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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

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 Tolerances

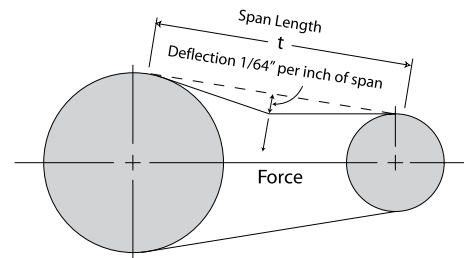
Belt Length	(mm) (In)	Center Distance Tolerance	(mm) (In)
over 127 5	to 254 10	± 0.20 .008	
over 254 10	to 381 15	± 0.23 .009	
over 381 15	to 508 20	± 0.25 .010	
over 508 20	to 762 30	± 0.30 .012	
over 762 30	to 1016 40	± 0.33 .013	
over 1016 40	to 1270 50	± 0.38 .015	
over 1270 50	to 1524 60	± 0.41 .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 for every .254 increment 10	

Standard Belt Tensioning Procedure

When installing a belt:

- Be sure it is tensioned adequately to prevent tooth jumping (ratcheting) under the most severe load conditions which the drive will encounter during operation.
- Avoid extremely high tension which can reduce belt life and possibly damage bearings, shafts and other drive components.

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 required to deflect the belt at the center of its 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
8 mm	12 mm	0.33	65	28
	21 mm	0.57	113	49
	36 mm	0.97	194	84
	62 mm	1.68	335	145
14 mm	20 mm	0.92	230	119
	37 mm	1.69	426	220
	68 mm	3.11	782	405
	90 mm	4.12	1035	536
	125 mm	5.72	1438	744

Selection

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.

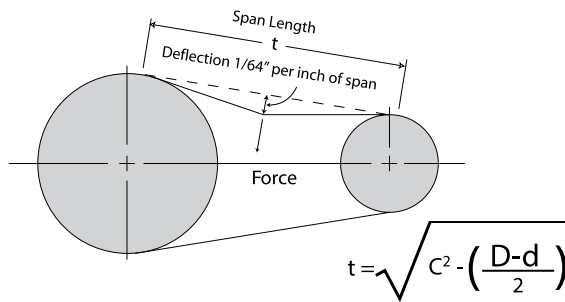
NOTE: When applying static belt tension values directly, multiply the required base static installation tension (T_{st}) calculated in Formula 14 by the following factors:

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



Step 2: Calculate the minimum and maximum recommended deflection forces.

- Measure the span length of your drive (see sketch).
- 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.

- If it is less than the minimum recommended deflection force, the belt should be tightened.
- 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	8 mm	4.7
	14 mm	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.

$$\text{Dynamic balance RPM} = \frac{15600}{\sqrt{\text{Dia} \times \text{Face Width}}}$$

for Sheave/Sprocket ϕ

ϕ 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 over 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)	Standard Installation Allowance (Flanged Sprocket removed for installation)	Tension Allowance
(in)		(mm)	(in)
up to	125	0.5	0.5
	5	0.02	0.02
over	125	0.8	0.8
	5	0.03	0.03
over	250	1.0	0.8
	10	0.04	0.03
over	500	1.8	0.8
	20	0.07	0.03
over	1000	2.8	0.8
	40	0.10	0.04
over	1780	3.3	1.0
	70	0.13	0.04
over	2540	4.1	1.3
	100	0.16	0.05
over	3300	4.8	1.3
	130	0.19	0.05
over	4600	5.6	1.3
	60	0.22	0.05

Additional 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)
8 mm	21.8 0.86	33.3 1.31
14 mm	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.

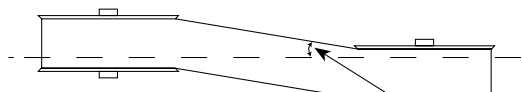
There are two types of misalignment: parallel and angular (See Fig.7). Parallel misalignment is where the driveR and driveN shafts are parallel, but the two sprockets lie in different planes. When the two shafts are not parallel, the drive is angularly misaligned.

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.

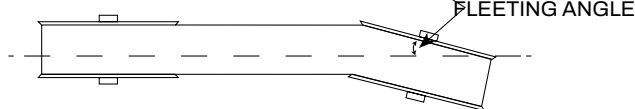
Any degree of sprocket misalignment will result in some reduction of belt life, which is not accounted for in the normal drive design procedure. Misalignment of all synchronous belt drives should not exceed 1/4" or 1/16" per foot of linear distance. Misalignment should be checked with a good straight 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

PARALLEL MISALIGNMENT



ANGULAR MISALIGNMENT



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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

HT500 Basic HP Ratings - 8 mm

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	
Reference Guide	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
Synchronous Products	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
V-Belt Products	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	69.52
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	-	-	
Roller Chain Sprockets	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	0.06					
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												

Selection

HT500 Basic HP Ratings - 8 mm

8M-21	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	0.26	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	0.58	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		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		0.74	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

HT500 Basic HP Ratings - 8 mm

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

8M-36	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	0.45	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	0.21	0.25	0.28	
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	0.25	0.28	0.32	
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	0.28	0.32	0.36	
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	0.43	0.48	0.53	
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	0.48	0.53	0.5	

Selection

HT500 Basic HP Ratings - 8 mm

8M-62	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		0.78	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 Small Shaft	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
	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	484.57	-	-	-	-	-	-	-	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

HT500 Basic HP Ratings - 14 mm

Reference Guide

14M-20	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																			
RPM Small Shaft	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	44	45	48	50	
	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	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	-	-	-	-	-	-	-	-	-	-	

Synchronous Products

V-Belt Products

Roller Chain Sprockets

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	53	56	60	63	64	67	71	72	75	80	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

Bushing Products

Accessories Products

Selection

HT500 Basic HP Ratings - 14 mm

14M-37 Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																			
RPM Small Shaft	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	44	45	48	50
	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	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	53	56	60	63	64	67	71	72	75	80	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 4.65 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	

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

HT500 Basic HP Ratings - 14 mm

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

14M-68 Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																			
RPM Small Shaft	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	44	45	48	50
	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	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	53	56	60	63	64	67	71	72	75	80	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 4.65 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
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
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
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
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
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
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
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
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
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
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
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
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
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
2400	647.16	659.76	697.58	-	-	-	-	-	-	-	-	0.00	1.38	2.76	4.14	5.52	6.9	8.28	9.66	11
2800	-	-	-	-	-	-	-	-	-	-	-	0.00	1.5	3	4.5	6	7.51	9	10.5	12
3000	-	-	-	-	-	-	-	-	-	-	-	0.00	1.55	3.11	4.66	6.21	7.76	9.31	10.9	12.4
3500	-	-	-	-	-	-	-	-	-	-	-	0.00	1.73	3.45	5.17	6.9	8.63	10.3	12.1	13.8
4000	-	-	-	-	-	-	-	-	-	-	-	0.00	2	4	6	8.01	10	12	14	16
-	-	-	-	-	-	-	-	-	-	-	-	0.00	3.02	6.04	9.05	12.1	15.1	18.1	21.1	24.2
-	-	-	-	-	-	-	-	-	-	-	-	0.00	3.45	6.9	10.3	13.8	17.3	20.7	24.2	27.6
-	-	-	-	-	-	-	-	-	-	-	-	0.00	5.18	10.4	15.5	20.7	25.9	31	36.2	41.4
-	-	-	-	-	-	-	-	-	-	-	-	0.00	5.96	11.9	17.9	23.8	29.8	35.7	41.7	47.6
-	-	-	-	-	-	-	-	-	-	-	-	0.00	6.91	13.8	20.7	27.6	34.5	41.4	48.3	55.2

Selection

HT500 Basic HP Ratings - 14 mm

14M-90 Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																			
RPM Small Shaft	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	44	45	48	50
	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	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	664.83	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	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									
	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	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

Reference Guide

Synchronous Products

Selection

HT500 Basic HP Ratings - 14 mm

Reference Guide	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
	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
Synchronous Products	50	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
V-Belt Products	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
	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
	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
	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
	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
	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
	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
	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	1230.56	-	-	-	-	-	-	-	-

Roller Chain Sprockets	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 Small Shaft	52	53	56	60	63	64	67	71	72	75	80	1.00 to 1.04	1.10 to 1.11	1.20 to 1.31	1.46 to 1.68	2.03 to 2.09	2.70 to 2.79	4.65 and over		
	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	
	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	-	-	-	-	-	-	-	-	-
Bushing Products	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
	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
	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
	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
	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
	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
Accessories Products	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
	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
	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
	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
	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
	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
	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
	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
	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
	2800	-	-	-	-	-	-	-	-	-	-	-	0.00	2.76	5.52	8.28	11	13.8	16.6	19.3	22.1
	3000	-	-	-	-	-	-	-	-	-	-	-	0.00	2.86	5.71	8.56	11.4	14.3	17.1	20	22.8
	3500	-	-	-	-	-	-	-	-	-	-	-	0.00	3.17	6.34	9.51	12.7	15.9	19	22.2	25.4
	4000	-	-	-	-	-	-	-	-	-	-	-	0.00	3.68	7.36	11	14.7	18.4	22.1	25.8	29.4
	-	-	-	-	-	-	-	-	-	-	-	-	0.00	5.55	11.1	16.6	22.2	27.8	33.3	38.8	44.4
	-	-	-	-	-	-	-	-	-	-	-	-	0.00	6.35	12.7	19	25.4	31.7	38.1	44.4	50.7
	-	-	-	-	-	-	-	-	-	-	-	-	0.00	9.52	19	28.5	38.1	47.6	57.1	66.6	76.1
-	-	-	-	-	-	-	-	-	-	-	-	0.00	10.9	21.9	32.8	43.8	54.7	65.6	76.6	87.5	
-	-	-	-	-	-	-	-	-	-	-	-	0.00	12.7	25.4	38	50.8	63.4	76.1	88.8	101.5	

Selection

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															

Selection

8M HT500 Selection Table (Continued)

Reference Guide	Sprocket Combinations				Center Distance, Inches																
	Speed Ratio	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					
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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
Accessories Products	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						

Selection

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														

Selection

8M HT500 Selection Table (Continued)

Reference Guide	Sprocket Combinations				Center Distance, Inches																
	Speed Ratio	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					
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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
Accessories Products	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								

* The length correction factor must be used to determine the proper belt width.

Selection

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														

Selection

8M HT500 Selection Table (Continued)

Reference Guide	Sprocket Combinations				Center Distance, Inches																	
	Speed Ratio	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		
Synchronous Products	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		
V-Belt Products	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	
Roller Chain Sprockets	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		
Bushing Products	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																			

Selection

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
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																	

Selection

8M HT500 Selection Table (Continued)

Reference Guide	Sprocket Combinations				Center Distance, Inches																
	Speed Ratio	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					
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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
Accessories Products	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</							

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

8M HT500 Selection Table

Sprocket Combinations					Center Distance, Inches													
Speed Ratio	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.																

Selection

8M HT500 Selection Table (Continued)

Reference Guide	Sprocket Combinations				Center Distance, Inches																
	Speed Ratio	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					
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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
Accessories Products	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										

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

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								

Selection

8M HT500 Selection Table (Continued)

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Sprocket Combinations					Center Distance, Inches																
Speed Ratio	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	

Selection

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						

Selection

8M HT500 Selection Table (Continued)

Reference Guide	Sprocket Combinations				Center Distance, Inches																
	Speed Ratio	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					
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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	37.39	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
Accessories Products	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		

Selection

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.

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

8M HT500 Selection Table (Continued)

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Sprocket Combinations					Center Distance, Inches																
Speed Ratio	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	-																

Selection

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	1										

Selection

14M HT500 Selection Table (Continued)

Reference Guide	Sprocket Combinations				Center Distance, Inches														
	Speed Ratio	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					
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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
Accessories Products	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

* The length correction factor must be used to determine the proper belt width.

Selection

14M HT500 Selection Table

Sprocket Combinations					Center Distance, Inches												
Speed Ratio	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
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										

Selection

14M HT500 Selection Table (Continued)

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Sprocket Combinations					Center Distance, Inches														
Speed Ratio	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																		

Selection

14M HT500 Selection Table

Sprocket Combinations					Center Distance, Inches												
Speed Ratio	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</		

Selection

14M HT500 Selection Table (Continued)

Reference Guide	Sprocket Combinations				Center Distance, Inches														
	Speed Ratio	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					
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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	36.84	38.22	39.59	40.97	42.35	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
Accessories Products	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	35.13	38.44	39.54	42.30	49.20	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
Synchronous Products	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
V-Belt Products	1.471	34	5.965	50	8.772	35.25	36.63	38											

* The length correction factor must be used to determine the proper belt width.

Selection

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			

Selection

14M HT500 Selection Table (Continued)

Reference Guide	Sprocket Combinations				Center Distance, Inches														
	Speed Ratio	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					
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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
Accessories Products	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

* The length correction factor must be used to determine the proper belt width.

Selection

14M HT500 Selection Table

Sprocket Combinations					Center Distance, Inches												
Speed Ratio	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	23.29	24.68	27.46	30.23	31.61
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	28.73	30.13
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	12.45													

Selection

14M HT500 Selection Table (Continued)

Reference Guide	Sprocket Combinations				Center Distance, Inches														
	Speed Ratio	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	5				

Selection

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.

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

14M HT500 Selection Table (Continued)

Reference Guide	Sprocket Combinations				Center Distance, Inches														
	Speed Ratio	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					
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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	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	48.61
	2.987	75	13.158	224	39.300	—	—	—	—	—	—	—	—	—	—	31.86	33.37	41.90	43.64
Bushing Products	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	59.20	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
Accessories Products	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	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

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

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.

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

14M HT500 Selection Table (Continued)

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Sprocket Combinations					Center Distance, Inches														
Speed Ratio	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	
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	
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	
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	
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	
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	
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																

Notes

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Features/Benefits

Dodge HT250 Drives

High Torque Synchronous Belt Drives

- Approximate 250 percent rating of HTD
- Quieter operation compared to chain drive
- 8 mm and 14 mm Pitch

Benefits of the HT250 drive:

- Positive, non-slip drive
- No lubrication required
- Non-stretch
- Corrosion resistant
- Abrasion resistant
- Virtually no backlash
- Clean operation
- Low maintenance



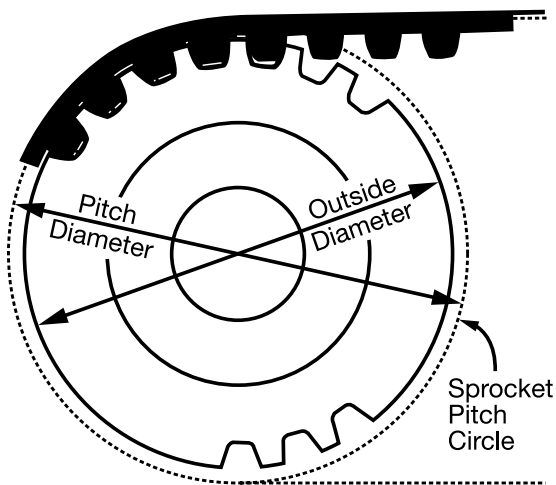
The Technology of HT250 Performance

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



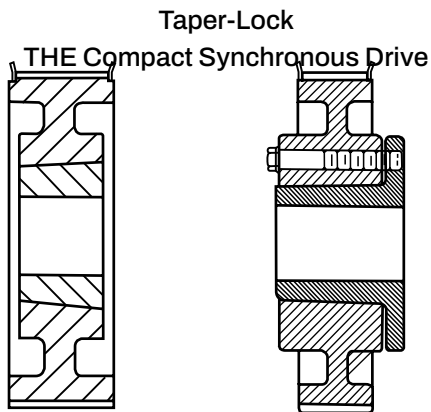
Features/Benefits

Dodge HT250 Drives



HT250 Taper-Lock Sprockets

- **Torque Rated:** Shaft gripping strength to meet the higher demands of the 200 percent to 250 percent rating of HT250 Belts
- **Compact:** Save shaft space with compact HT250 Taper-Lock design
- **Reduce Overhung Load:** Compact design allows closer mounting to motor or reducer bearings. Improves bearing life, reduces maintenance costs

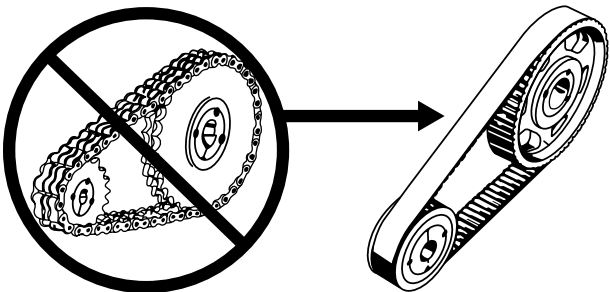


TAPER-LOCK HT

FLANGE-BUSHED SPROCKET

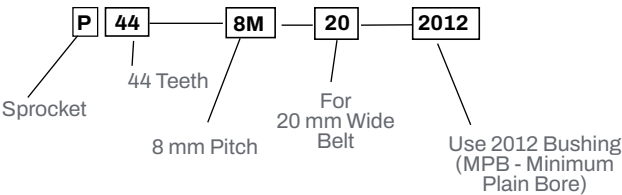
Compact TAPER-LOCK design takes up less shaft space than narrow width belts or products using flanged style bushing. The result is a more compact, economical synchronous drive.

Upgrade Roller Chain Drives to DODGE HT250

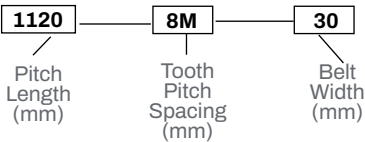


- **Clean:** No lubrication required. No messy oil drips or spills
- **Quiet:** No metal-to-metal contact
- **Smooth Operation:** No chordal action of chain drive that results in vibration and speed variation
- **Economical Drive Guard:** Basic enclosed or ventilated guard will suffice. Oil seals, filler and drain plugs not required

SPROCKET NOMENCLATURE

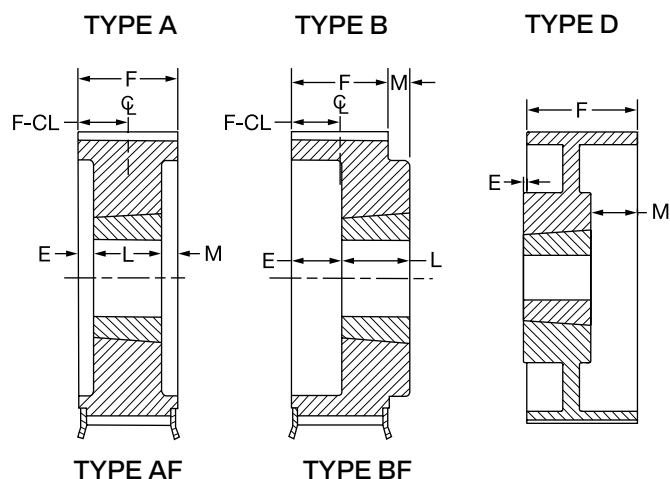


BELT NOMENCLATURE



Specification

HT250 Taper-Lock Sprockets



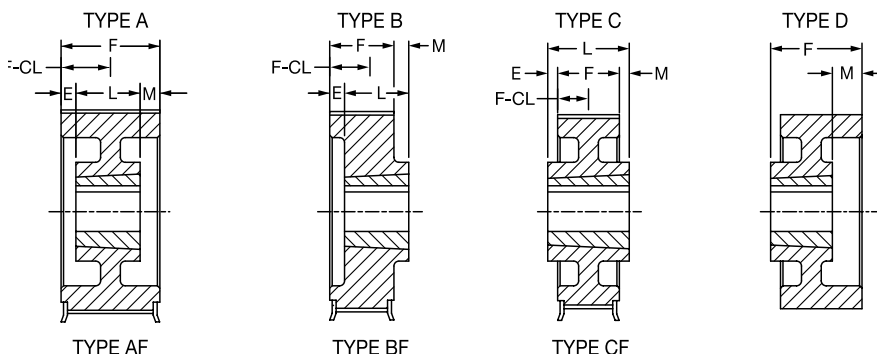
The figure following the sketch reference letter in the “Type” column, indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms) and the letter “F indicates that the sprocket has flanges.

5 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		
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

Specification

HT250 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.

8 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		
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.

Specification

HT250 Taper-Lock Sprockets

8 mm Sprocket

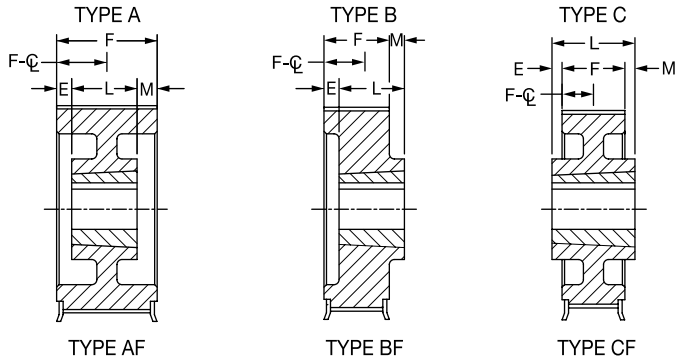
Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	M	Min.	Max		
8M-50			F = 2.38"									
P28-8M-50-1108*	112885	28	2.807	2.753	3.150	A1F	0.00	1.50	1/2	1-1/8	2.1	0.0182
P30-8M-50-1210	112886	30	3.008	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

HT250 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.

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-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.

Specification

HT250 Taper-Lock Sprockets

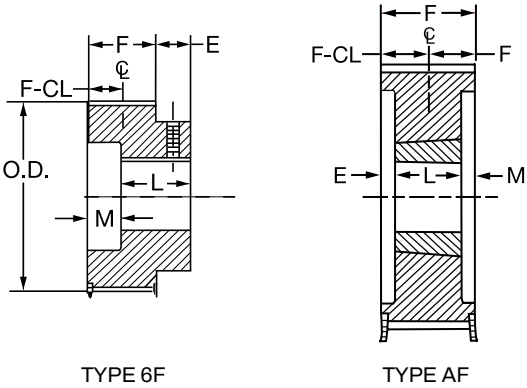


14 mm Sprockets

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-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

Specification

HT250 Sprockets



Plain Bore HT250 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

Specification

DODGE HT250 Belts

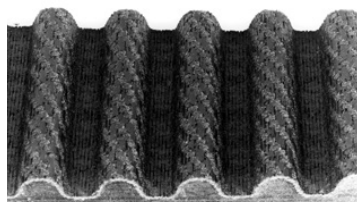
- Approximately 250 percent Rating of HTD Belts
- For Use on Taper-Lock HT250 Sprockets

Note: Belt length is in millimeters

To convert to inches, divide by 25.4

Example: 2600-8M-30 belt size

$2600 \div 25.4 = 102.36$ inches belt length



5 mm Pitch HT250 Belts

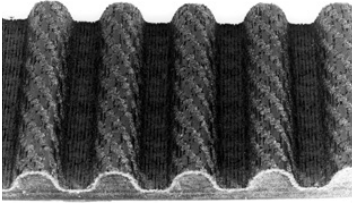
15 mm Wide			15 mm Wide			25 mm Wide			25 mm Wide		
Description	Part No.	Wgt.	Description	Part No.	Wgt.	Description	Part No.	Wgt.	Description	Part No.	Wgt.
300-5M-15	142100	0.04	650-5M-15	142110	0.09	300-5M-25	142122	0.07	650-5M-25	142132	0.15
355-5M-15	142101	0.05	700-5M-15	142111	0.09	355-5M-25	142123	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 HT250 Belts

20 mm Wide			30 mm Wide			50 mm Wide			85 mm 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	146506	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

Specification

DODGE HT250 Belts



- Approximately 250 percent Rating of HTD Belts
- For Use on Taper-Lock HT250 Sprockets

Note: Belt length is in millimeters

To convert to inches, divide by 25.4

Example: 2600-8M-30 belt size

$2600 \div 25.4 = 102.36$ inches belt length

14 mm Pitch HT250 Belts

40 mm Wide			55 mm Wide			85 mm Wide			115 mm Wide			170 mm 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	146632	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

20 mm Pitch HTD Belts

115 mm Wide			170 mm Wide			230 mm Wide			290 mm Wide			340 mm 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	6200-20M-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

Selection Procedure

1. Obtain required information:

- Motorname 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 PT3-89)

- 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 PT3-90.

4. Determine Belt Pitch: (Page PT3-90)

- 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. PT3-91 thru PT3-95)
- 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. PT3-96 - PT3-120)
- 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: $1.7 \times 15 = 25.5$ HP.

Step 4. Belt Pitch: Referring to page PT3-90, most probable belt pitch for 25.5 Des. HP at 125 RPM is 14 mm.

Step 5. Select Small Sprocket: Scan 14 mm 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 115 mm 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: $125 / 70 \text{ RPM} = 1.79:1$

Step 7. Sprocket Selection: Refer to 14 mm 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 HT250 Belt, P/N **146602** Shaft capacity is verified by availability of bore sizes.

Selection

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 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 and 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	
8 mm and 14 mm 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.

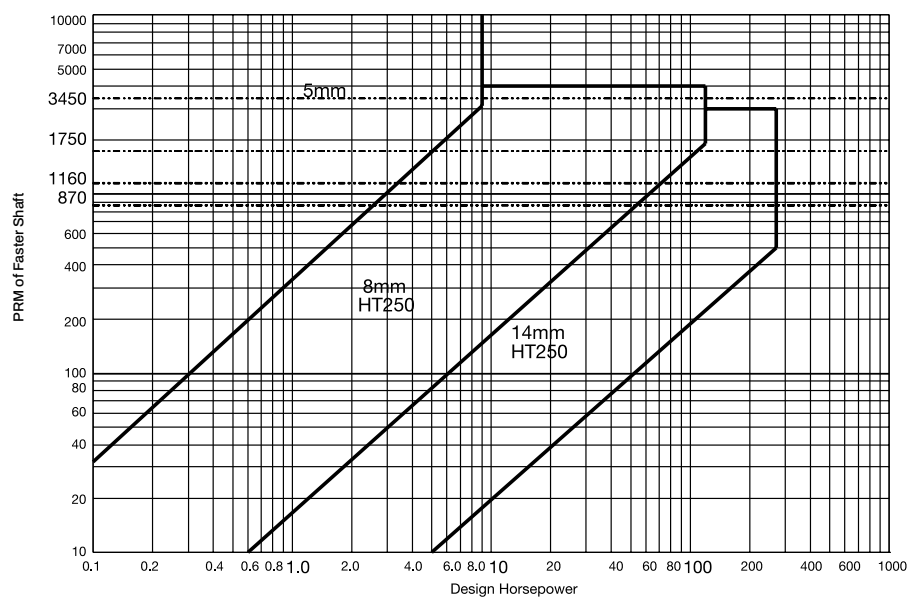
Speed-up Ratio Range	Additional Factor	Speed-up Ratio Range	Additional Factor
1 to 1.24	none	2.5 to 3.49	0.3
1.25 to 1.74	0.1	3.5 and over	0.4
1.75 to 2.49	0.2	–	–

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.

Selection

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 and Face Width Synchronous Belt Drives Used On General Purpose Electric Motors

Motor HP	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

HT250 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

20 mm Width - Current Power Ratings Rated Horsepower for Small Sprocket																
8M-20	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
RPM	2.210	2.410	2.610	2.810	3.010	3.210	3.410	3.610	3.810	4.010	4.410	4.810	5.610	6.420	7.220	8.020
10	0.08	0.09	0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.20	0.22	0.27	0.32	0.37	0.42
20	0.15	0.17	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.35	0.39	0.43	0.54	0.64	0.74	0.84
40	0.29	0.33	0.38	0.42	0.46	0.50	0.54	0.58	0.62	0.66	0.76	0.87	1.07	1.27	1.48	1.68
50	0.36	0.41	0.46	0.51	0.56	0.62	0.67	0.72	0.77	0.83	0.96	1.08	1.34	1.59	1.85	2.10
60	0.42	0.49	0.55	0.61	0.67	0.73	0.79	0.85	0.92	0.99	1.15	1.30	1.61	1.91	2.22	2.52
100	0.68	0.78	0.88	0.98	1.08	1.18	1.27	1.40	1.53	1.66	1.91	2.17	2.67	3.18	3.69	4.20
200	1.28	1.47	1.67	1.86	2.05	2.29	2.55	2.80	3.06	3.31	3.82	4.33	5.35	6.36	7.38	8.40
300	1.85	2.14	2.42	2.70	3.06	3.44	3.82	4.20	4.58	4.96	5.73	6.49	8.01	9.54	11.06	12.58
400	2.40	2.78	3.15	3.56	4.07	4.58	5.09	5.60	6.11	6.61	7.63	8.64	10.67	12.70	14.72	16.73
500	2.94	3.41	3.87	4.45	5.09	5.72	6.36	6.99	7.63	8.26	9.53	10.79	13.32	15.84	18.35	20.85
600	3.47	4.02	4.58	5.34	6.10	6.86	7.62	8.38	9.14	9.90	11.42	12.93	15.95	18.96	21.96	24.94
700	3.99	4.63	5.33	6.22	7.11	8.00	8.88	9.77	10.65	11.54	13.30	15.06	18.57	22.06	25.53	28.97
800	4.50	5.22	6.09	7.10	8.12	9.13	10.14	11.15	12.16	13.16	15.17	17.18	21.17	25.13	29.06	32.95
870	4.85	5.63	6.62	7.72	8.82	9.92	11.02	12.11	13.21	14.30	16.48	18.65	22.98	27.26	31.51	35.70
1000	5.50	6.39	7.60	8.86	10.12	11.38	12.64	13.89	15.14	16.39	18.89	21.37	26.30	31.17	35.98	40.71
1160	6.29	7.33	8.79	10.25	11.71	13.17	14.62	16.07	17.51	18.95	21.82	24.67	30.32	35.88	41.35	46.70
1200	6.48	7.58	9.09	10.60	12.11	13.61	15.11	16.61	18.10	19.59	22.55	25.49	31.32	37.05	42.66	48.16
1400	7.44	8.82	10.57	12.33	14.07	15.82	17.55	19.29	21.01	22.73	26.15	29.53	36.21	42.73	49.07	55.22
1600	8.38	10.04	12.04	14.03	16.02	18.00	19.96	21.92	23.88	25.82	29.67	33.48	40.94	48.18	55.15	61.83
1750	9.08	10.95	13.13	15.30	17.46	19.61	21.75	23.87	25.99	28.09	32.26	36.36	44.38	52.10	59.47	66.47
2000	10.22	12.45	14.92	17.38	19.82	22.25	24.66	27.06	29.44	31.79	36.45	41.02	49.87	58.27	66.16	73.48
2400	12.01	14.79	17.71	20.61	23.49	26.34	29.16	31.96	34.72	37.45	42.81	48.02	57.92	67.05	75.31	82.57
2800	13.75	17.05	20.40	23.72	27.00	30.24	33.43	36.58	39.68	42.73	48.66	54.35	64.92	74.27	82.23	88.61
3200	15.46	19.21	22.96	26.67	30.32	33.91	37.43	40.88	44.26	47.56	53.92	59.92	70.71	79.67	86.55	-
3500	16.71	20.50	24.50	28.43	32.29	36.07	39.77	43.38	46.90	50.33	56.87	62.96	73.62	82.00	-	-
4000	18.76	23.18	27.66	32.03	36.29	40.43	44.44	48.32	52.05	55.64	62.32	68.30	77.91	-	-	-
4500	20.75	25.40	30.24	34.94	39.49	43.86	48.05	52.05	55.84	59.42	65.89	71.36	-	-	-	-
5000	22.69	27.37	32.52	37.48	42.21	46.72	50.97	54.96	58.67	62.09	67.97	72.49	-	-	-	-
5500	24.58	29.07	34.46	39.58	44.41	48.94	53.13	56.97	60.44	63.51	68.55	-	-	-	-	-

30 mm Width - Current Power Ratings Rated Horsepower for Small Sprocket																
8M-30	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
RPM	2.210	2.410	2.610	2.810	3.010	3.210	3.410	3.610	3.810	4.010	4.410	4.810	5.610	6.420	7.220	8.020
10	0.13	0.14	0.16	0.17	0.21	0.22	0.24	0.25	0.27	0.28	0.32	0.35	0.43	0.49	0.55	0.63
20	0.24	0.27	0.32	0.35	0.38	0.41	0.44	0.47	0.51	0.55	0.62	0.68	0.81	0.96	1.11	1.26
40	0.46	0.52	0.60	0.66	0.73	0.79	0.85	0.92	0.98	1.04	1.19	1.31	1.61	1.91	2.22	2.52
50	0.57	0.65	0.73	0.81	0.88	0.98	1.06	1.14	1.22	1.30	1.45	1.62	2.01	2.39	2.77	3.15
60	0.66	0.77	0.87	0.96	1.06	1.15	1.25	1.34	1.44	1.53	1.72	1.95	2.41	2.87	3.32	3.78
100	1.07	1.23	1.39	1.55	1.71	1.86	2.01	2.16	2.32	2.48	2.87	3.25	4.01	4.78	5.54	6.30
200	2.02	2.32	2.64	2.94	3.24	3.54	3.84	4.20	4.58	4.97	5.73	6.49	8.02	9.55	11.07	12.60
300	2.92	3.38	3.82	4.27	4.71	5.16	5.73	6.30	6.87	7.45	8.59	9.73	12.02	14.30	16.59	18.86
400	3.79	4.39	4.98	5.56	6.15	6.87	7.63	8.40	9.16	9.92	11.44	12.97	16.01	19.04	22.07	25.10
500	4.65	5.39	6.11	6.83	7.63	8.58	9.53	10.49	11.44	12.39	14.29	16.19	19.98	23.76	27.53	31.28
600	5.48	6.35	7.22	8.07	9.15	10.29	11.43	12.57	13.71	14.85	17.13	19.40	23.93	28.44	32.94	37.41
700	6.30	7.32	8.31	9.33	10.66	11.99	13.32	14.65	15.98	17.30	19.95	22.59	27.86	33.09	38.29	43.46
800	7.11	8.25	9.39	10.66	12.17	13.69	15.21	16.72	18.23	19.75	22.76	25.77	31.75	37.70	43.59	53.55
870	7.66	8.90	10.13	11.58	13.23	14.88	16.52	18.17	19.81	21.45	24.72	27.98	34.46	40.89	47.26	61.07
1000	8.69	10.10	11.49	13.29	15.18	17.07	18.95	20.84	22.72	24.59	28.33	32.06	39.45	46.75	53.97	70.05
1160	9.94	11.55	13.19	15.38	17.57	19.75	21.93	24.10	26.27	28.43	32.73	37.01	45.48	53.83	62.02	72.24
1200	10.24	11.90	13.64	15.90	18.16	20.42	22.67	24.91	27.15	29.38	33.82	38.24	46.98	55.57	64.00	82.83
1400	11.76	13.68	15.86	18.49	21.11	23.73	26.33	28.93	31.52	34.09	39.22	44.30	54.31	64.09	73.61	92.75
1600	13.24	15.42	18.06	21.05	24.03	26.99	29.95	32.89	35.81	38.73	44.50	50.22	61.41	72.27	82.73	99.70
1750	14.35	16.72	19.69	22.95	26.19	29.41	32.62	35.81	38.98	42.14	48.39	54.55	66.57	78.15	89.21	110.21
2000	16.15	18.83	22.38	26.07	29.73	33.37	36.99	40.59	44.15	47.69	54.68	61.53	74.80	87.40	99.24	123.86
2400	18.98	22.18	26.57	30.92	35.24	39.51	43.75	47.94	52.08	56.18	64.22	72.02	86.88	100.58	112.96	132.92
2800	21.73	25.57	30.60	35.58	40.50	45.36	50.15	54.87	59.52	64.10	72.99	81.53	97.39	111.41	123.34	-
3200	24.43	28.81	34.45	40.00	45.48	50.86	56.14	61.32	66.39	71.34	80.88	89.88	106.06	119.51	129.83	-
3500	26.40	30.92	36.75	42.64	48.43	54.10	59.65	65.07	70.35	75.49	85.30	94.43	110.43	123.01	-	-
4000	29.64	34.77	41.48	48.04	54.43	60.64	66.66	72.48	78.08	83.45	93.47	102.45	116.86	-	-	-
4500	32.79	38.44	45.36	52.41	59.23	65.79	72.07	78.07	83.76	89.13	98.83	107.04	-	-	-	-
5000	35.85	42.06	48.78	56.21	63.32	70.07	76.45	82.44	88.01	93.13	101.95	111.09	-	-	-	-
5500	38.84	45.57	52.23	59.37	66.62	73.41	79.69	85.45	90.65	96.49	108.31	-	-	-	-	-

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

HT250 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

NOTES: Multiply Rating by Belt Length Correction Factor from Rating Chart; Center Distance Factor 1.00																		
Reference Guide	8M-50																	
	50 mm Width - Current Power Ratings																	
	Rated Horsepower for Small Sprocket																	
	RPM	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80	
	2.210	2.410	2.610	2.810	3.010	3.210	3.410	3.610	3.810	4.010	4.410	4.810	5.610	6.420	7.220	8.020		
Synchronous Products	10	0.22	0.25	0.27	0.30	0.36	0.38	0.41	0.44	0.47	0.49	0.55	0.60	0.74	0.85	0.96	1.07	
	20	0.41	0.47	0.55	0.60	0.66	0.71	0.77	0.82	0.88	0.96	1.07	1.18	1.40	1.64	1.86	2.10	
	40	0.79	0.90	1.04	1.15	1.15	1.37	1.48	1.59	1.70	1.81	2.06	2.27	2.71	3.18	3.69	4.20	
	50	0.99	1.12	1.26	1.40	1.40	1.70	1.84	1.97	2.11	2.25	2.52	2.79	3.34	3.98	4.62	5.25	
	60	1.15	1.34	1.51	1.67	1.67	2.00	2.16	2.33	2.49	2.66	2.99	3.32	4.01	4.78	5.54	6.31	
	100	1.86	2.14	2.41	2.69	2.69	3.23	3.48	3.75	4.03	4.30	4.82	5.41	6.69	7.96	9.23	10.51	
	200	3.51	4.03	4.58	5.10	5.10	6.14	6.66	7.18	7.70	8.28	9.55	10.82	13.37	15.91	18.45	20.99	
	300	5.07	5.86	6.63	7.40	7.40	8.93	9.70	10.50	11.46	12.41	14.32	16.22	20.03	23.84	27.64	31.44	
	400	6.58	7.62	8.63	9.64	9.64	11.67	12.72	13.99	15.26	16.53	19.07	21.61	26.68	31.74	36.79	41.83	
	500	8.06	9.34	10.60	11.84	11.84	14.33	15.89	17.48	19.06	20.65	23.82	26.98	33.30	39.60	45.88	52.14	
	600	9.51	11.01	12.52	14.00	14.00	17.15	19.05	20.95	22.85	24.75	28.54	32.33	39.88	47.41	54.89	62.35	
	700	10.93	12.69	14.41	16.14	16.14	19.99	22.20	24.42	26.63	28.84	33.25	37.65	46.43	55.15	63.82	72.43	
	800	12.33	14.30	16.28	18.22	18.22	22.82	25.35	27.87	30.39	32.91	37.93	42.95	52.92	62.83	72.65	82.26	
	870	13.29	15.43	17.56	19.67	19.67	24.80	27.54	30.28	33.01	35.75	41.20	46.63	57.44	68.15	78.76	101.79	
	1000	15.07	17.51	19.92	22.33	22.33	28.45	31.59	34.73	37.86	40.99	47.22	53.43	65.74	77.92	89.95	116.74	
	1160	17.23	20.03	22.80	25.64	25.64	32.92	36.54	40.16	43.78	47.38	54.55	61.69	75.81	89.71	103.37	120.39	
	1200	17.76	20.63	23.51	26.50	26.50	34.03	37.78	41.52	45.25	48.97	56.37	63.73	78.29	92.61	106.66	138.05	
	V-Belt Products	1400	20.39	23.73	27.04	30.82	30.82	39.54	43.89	48.21	52.53	56.82	65.37	73.83	90.51	106.81	122.68	154.59
		1600	22.96	26.74	30.52	35.08	35.08	44.99	49.91	54.81	59.69	64.54	74.17	83.69	102.35	120.44	137.88	166.16
1750		24.88	28.99	33.07	38.25	38.25	49.02	54.37	59.69	64.97	70.23	80.64	90.91	110.95	130.24	148.68	183.69	
2000		28.00	32.66	37.30	43.44	43.44	55.62	61.66	67.65	73.59	79.49	91.13	102.55	124.67	145.67	165.39	206.43	
2400		32.91	38.44	44.28	51.53	51.53	65.85	72.91	79.90	86.81	93.63	107.03	120.04	144.80	167.63	188.27	221.53	
2800		37.68	44.06	51.00	59.29	59.29	75.59	83.58	91.46	99.21	106.83	121.65	135.88	162.31	185.69	205.57	-	
3200		42.36	49.57	57.41	66.67	66.67	84.76	93.57	102.20	110.65	118.91	134.80	149.79	176.77	199.18	216.38	-	
3500		45.79	53.62	61.38	71.07	71.07	90.17	99.42	108.45	117.26	125.82	142.17	157.39	184.06	205.01	-	-	
4000		51.40	60.23	69.14	80.07	80.07	101.07	111.10	120.79	130.13	139.09	155.79	170.75	194.77	-	-	-	
4500		56.86	66.66	76.36	87.36	87.36	109.64	120.12	130.12	139.60	148.55	164.72	178.40	-	-	-	-	
Roller Chain Sprockets	5000	62.17	72.94	83.57	94.09	94.09	116.79	127.42	137.40	146.68	155.22	173.99	192.65	-	-	-	-	
	5500	67.35	79.02	90.58	101.98	101.98	124.37	135.36	146.18	156.84	167.33	187.83	-	-	-	-	-	
	8M-85																	
	85 mm Width - Current Power Ratings																	
Bushing Products	Rated Horsepower for Small Sprocket																	
	RPM	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80	
		2.210	2.410	2.610	2.810	3.010	3.210	3.410	3.610	3.810	4.010	4.410	4.810	5.610	6.420	7.220	8.020	
	10	0.38	0.43	0.48	0.52	0.62	0.67	0.71	0.76	0.81	0.86	0.95	1.05	1.29	1.48	1.67	1.86	
	20	0.71	0.81	0.95	1.05	1.14	1.24	1.33	1.43	1.52	1.67	1.86	2.05	2.43	2.86	3.24	3.62	
	40	1.38	1.57	1.81	2.00	2.19	2.38	2.57	2.76	2.95	3.14	3.57	3.95	4.71	5.47	6.28	7.15	
	50	1.71	1.95	2.19	2.43	2.67	2.95	3.19	3.43	3.67	3.90	4.38	4.86	5.81	6.77	7.85	8.93	
	60	2.00	2.33	2.62	2.90	3.19	3.47	3.76	4.05	4.33	4.62	5.19	5.76	6.90	8.12	9.42	10.72	
	100	3.24	3.71	4.19	4.66	5.14	5.62	6.05	6.52	7.00	7.47	8.38	9.33	11.37	13.53	15.70	17.86	
	200	6.09	7.00	7.95	8.85	9.76	10.66	11.57	12.47	13.38	14.28	16.23	18.40	22.72	27.05	31.37	35.69	
	300	8.81	10.19	11.52	12.85	14.18	15.52	16.85	18.18	19.52	21.10	24.34	27.58	34.06	40.53	46.99	53.45	
	400	11.42	13.23	14.99	16.76	18.52	20.28	22.04	23.79	25.95	28.11	32.42	36.74	45.36	53.96	62.54	71.11	
	500	13.99	16.23	18.42	20.56	22.75	24.89	27.08	29.71	32.41	35.10	40.49	45.87	56.61	67.32	77.99	88.63	
	600	16.52	19.14	21.75	24.32	26.89	29.46	32.39	35.62	38.85	42.08	48.52	54.96	67.80	80.59	93.32	105.99	
	700	18.99	22.04	25.04	28.04	30.99	33.99	37.75	41.51	45.27	49.03	56.53	64.01	78.93	93.76	108.50	123.14	
	800	21.42	24.85	28.27	31.65	35.03	38.79	43.09	47.38	51.66	55.94	64.49	73.01	89.97	106.81	123.51	140.05	
	870	23.09	26.80	30.51	34.18	37.84	42.15	46.81	51.47	56.12	60.77	70.04	79.27	97.64	115.86	133.90	151.73	
	1000	26.18	30.42	34.61	38.79	43.01	48.36	53.71	59.04	64.36	69.68	80.27	90.82	111.77	132.47	152.91	173.04	
	1160	29.94	34.80	39.60	44.46	49.77	55.96	62.12	68.28	74.47	80.54	92.74	104.87	128.87	152.51	175.73	198.47	
	1200	30.84	35.84	40.84	45.84	51.46	57.84	64.22	70.58	76.92	83.24	95.83	108.34	133.10	157.44	181.32	204.67	
Accessories Products	1400	35.41	41.22	46.98	52.74	59.82	67.22	74.61	81.96	89.30	96.60	111.12	125.52	153.87	181.58	208.55	234.68	
	1600	39.89	46.46	53.03	59.64	68.08	76.48	84.85	93.18	101.47	109.73	126.10	142.28	174.00	204.75	234.40	262.80	
	1750	43.22	50.36	57.45	65.02	74.20	83.33	92.42	101.46	110.46	119.39	137.09	154.55	188.61	221.41	252.76	282.48	
	2000	48.65	56.74	64.78	73.86	84.24	94.56	104.82	115.00	125.10	135.13	154.92	174.34	211.93	247.63	281.17	312.27	
	2400	57.17	66.78	76.30	87.61	99.83	111.95	123.95	135.83	147.57	159.18	181.95	204.07	246.16	284.97	320.05	350.92	
	2800	65.45	76.54	87.54	100.80	114.74	128.51	142.09	155.48	168.65	181.61	206.81	230.99	275.93	315.67	349.47	376.59	
	3200	73.59	86.11	98.53	113.34	128.85	144.10	159.07	173.74	188.11	202.14	229.16	254.65	300.50	338.61	367.85	-	
	3500	79.54	93.15	106.62	120.81	137.21	153.29	169.01	184.37	199.34	213.89	241.68	267.56	312.90	348.52	-	-	
	4500	89.30	104.62	119.81	136.11	154.22	171.81	188.87	205.35	221.22	236.45	264.85	290.27	331.96	-	-	-	
	4500	98.77	115.81	132.66	149.67	167.81	186.39	204.20	221.20	237.32	252.54	280.02	307.21	-	-	-	-	
	5000	108.00	126.71	145.18	163.46	181.55	199.44	217.15	234.62	251.85	268.89	302.26	334.68	-	-	-	-	
	5500	117.00	137.28	157.37	177.17	196.78	216.06	235.14	253.95	272.46	290.69	326.30	-	-	-	-	-	

Selection

HT250 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

14M-40	40 mm Width - Current Power Ratings Rated Horsepower for Small Sprocket														
	28	29	30	32	34	36	38	40	44	48	52	56	64	72	80
RPM	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	11.229	12.632	14.036
10	0.61	0.64	0.66	0.71	0.76	0.82	0.87	0.92	1.02	1.12	1.21	1.31	1.51	1.70	1.89
20	1.15	1.20	1.25	1.34	1.44	1.54	1.63	1.73	1.92	2.10	2.29	2.48	2.85	3.21	3.57
40	2.15	2.24	2.33	2.52	2.70	2.88	3.06	3.24	3.60	3.96	4.31	4.66	5.36	6.04	6.72
60	3.09	3.23	3.36	3.63	3.89	4.16	4.42	4.68	5.20	5.71	6.22	6.73	7.74	8.73	9.97
100	4.89	5.10	5.31	5.74	6.16	6.58	7.00	7.41	8.24	9.06	9.87	10.68	12.45	14.53	16.61
200	9.04	9.44	9.84	10.63	11.43	12.21	12.99	13.77	15.32	16.85	18.62	20.70	24.85	29.00	33.14
300	12.91	13.49	14.06	15.21	16.35	17.48	18.61	19.73	21.96	24.78	27.88	30.99	37.18	43.36	49.52
400	16.60	17.35	18.09	19.58	21.05	22.52	23.98	25.43	28.83	32.95	37.08	41.19	49.39	57.55	65.66
500	20.15	21.06	21.97	23.79	25.59	27.38	29.16	30.92	35.93	41.07	46.18	51.28	61.43	71.50	81.48
600	23.59	24.67	25.74	27.87	29.99	32.09	34.18	36.84	42.98	49.09	55.18	61.24	73.27	85.17	96.91
700	26.94	28.17	29.40	31.85	34.27	36.68	39.26	42.83	49.94	57.01	64.05	71.04	84.88	98.49	111.87
800	30.20	31.60	32.98	35.73	38.46	41.17	44.70	48.75	56.81	64.82	72.77	80.65	96.19	111.42	126.28
870	32.45	33.95	35.43	38.40	41.33	44.25	48.47	52.85	61.56	70.20	78.77	87.25	103.93	120.19	135.99
1000	36.53	38.23	39.91	43.25	46.57	50.37	55.37	60.35	70.23	80.00	89.66	99.19	117.82	135.83	153.12
1160	41.42	43.35	45.26	49.06	52.83	57.94	63.66	69.34	80.59	91.67	102.56	113.25	133.98	153.72	172.36
1200	42.62	44.61	46.57	50.49	54.37	59.81	65.70	71.55	83.12	94.51	105.69	116.65	137.84	157.94	176.82
1400	48.50	50.77	53.02	57.48	62.12	68.90	75.62	82.28	95.39	108.20	120.68	132.81	155.92	177.30	196.73
1600	54.20	56.74	59.25	64.25	70.03	77.60	85.08	92.46	106.92	120.93	134.46	147.47	171.74	193.44	212.24
1750	58.36	61.09	63.80	69.18	75.71	83.82	91.82	99.68	115.02	129.77	143.90	157.33	181.94	203.16	220.59
2000	65.08	68.14	71.16	77.15	84.64	93.55	102.30	110.85	127.36	143.00	157.69	171.37	195.33	-	-
2400	75.33	78.87	82.36	89.27	97.31	107.21	116.81	126.09	143.60	159.62	174.01	186.62	-	-	-
2800	84.99	88.97	92.88	100.63	108.23	118.12	128.09	137.55	154.82	169.72	-	-	-	-	-
3000	89.60	93.78	97.89	106.02	113.98	122.39	132.34	141.66	158.28	-	-	-	-	-	-
3500	100.49	105.13	109.69	118.65	127.38	135.86	144.09	152.07	-	-	-	-	-	-	-
4000	110.45	115.48	120.40	130.03	139.34	148.31	-	-	-	-	-	-	-	-	-

14M-55	55 mm Width - Current Power Ratings Rated Horsepower for Small Sprocket														
RPM	28	29	30	32	34	36	38	40	44	48	52	56	64	72	80
	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	11.229	12.632	14.036
10	0.92	0.96	0.99	1.07	1.14	1.23	1.31	1.38	1.53	1.68	1.82	1.97	2.27	2.55	2.84
20	1.73	1.80	1.88	2.01	2.16	2.31	2.45	2.60	2.88	3.15	3.44	3.72	4.28	4.82	5.36
40	3.23	3.36	3.50	3.78	4.05	4.32	4.59	4.86	5.40	5.94	6.47	6.99	8.04	9.06	10.08
60	4.64	4.85	5.04	5.45	5.84	6.24	6.63	7.02	7.80	8.57	9.33	10.10	11.61	13.10	14.57
100	7.34	7.65	8.61	8.61	9.24	9.87	10.50	11.12	12.36	13.59	14.81	16.02	18.41	20.78	23.12
200	13.56	14.16	15.95	15.95	17.15	18.32	19.49	20.66	22.98	25.28	27.56	29.82	34.29	39.88	45.57
300	19.37	20.24	22.82	22.82	24.53	26.22	27.92	29.60	32.94	36.24	39.51	42.77	51.12	59.62	68.09
400	24.90	26.03	29.37	29.37	31.58	33.78	35.97	38.15	42.45	46.73	50.98	56.63	67.91	79.13	90.28
500	30.23	31.59	35.69	35.69	38.39	41.07	43.74	46.38	51.65	56.85	63.50	70.51	84.47	98.31	112.04
600	35.39	37.01	41.81	41.81	44.99	48.14	51.27	54.39	60.57	67.50	75.87	84.21	100.75	117.11	133.26
700	40.41	42.26	47.78	47.78	51.41	55.02	58.62	62.19	69.26	78.40	88.07	97.68	116.70	135.43	153.82
800	45.30	47.40	53.60	53.60	57.69	61.76	65.79	69.80	78.12	89.13	100.05	110.89	132.27	153.20	173.63
870	48.68	50.93	57.60	57.60	62.00	66.38	70.71	75.03	84.65	96.53	108.30	119.96	142.90	165.27	186.99
1000	54.80	57.35	64.88	64.88	69.86	74.79	79.68	84.54	96.57	110.01	123.28	136.39	162.01	186.76	210.54
1160	62.13	65.03	73.59	73.59	79.25	84.86	90.42	95.93	110.81	126.04	141.02	155.73	184.22	211.37	236.99
1200	63.93	66.92	75.74	75.74	81.56	87.33	93.05	98.72	114.29	129.95	145.32	160.39	189.53	217.17	243.12
1400	72.75	76.16	86.22	86.22	92.85	99.42	105.93	113.14	131.16	148.77	165.94	182.62	214.39	243.79	270.51
1600	81.30	85.11	96.38	96.38	103.79	111.12	118.38	127.13	147.01	166.28	184.88	202.77	236.15	265.98	291.82
1750	87.54	91.64	103.77	103.77	111.75	119.64	127.44	137.07	158.15	178.44	197.86	216.33	250.16	279.35	303.31
2000	97.62	102.21	115.73	115.73	124.61	133.38	142.04	152.42	175.12	196.62	216.83	235.63	268.57	-	-
2400	113.00	118.31	133.91	133.91	144.12	154.17	164.07	173.79	197.46	219.48	239.26	256.61	-	-	-
2800	127.49	133.46	150.95	150.95	162.35	173.52	184.47	195.20	215.97	235.76	-	-	-	-	-
3000	134.40	140.67	159.03	159.03	170.97	182.64	194.06	205.22	226.70	-	-	-	-	-	-
3500	150.74	157.70	177.98	177.98	191.07	203.79	216.14	228.11	-	-	-	-	-	-	-
4000	165.68	173.22	195.05	195.05	209.01	222.47	-	-	-	-	-	-	-	-	-

Selection

HT250 Basic Horsepower Rating

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

14M-8585 mm Width - Current Power Ratings Rated Horsepower for Small Sprocket															
RPM	28	29	30	32	34	36	38	40	44	48	52	56	64	72	80
	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	11.229	12.632	14.036
10	1.53	1.60	1.65	1.78	1.90	2.05	2.18	2.30	2.55	2.80	3.03	3.28	3.78	4.25	4.73
20	2.88	3.00	3.13	3.35	3.60	3.85	4.08	4.33	4.80	5.25	5.73	6.20	7.13	8.03	8.93
40	5.38	5.60	5.83	6.30	6.75	7.20	7.65	8.10	9.00	9.90	10.78	11.65	13.40	15.10	16.80
60	7.73	8.08	8.40	9.08	9.73	10.40	11.05	11.70	13.00	14.28	15.55	16.83	19.35	21.83	24.28
100	12.23	12.75	13.28	14.35	15.40	16.45	17.50	18.53	20.60	22.65	24.68	26.70	30.68	34.63	38.53
200	22.60	23.60	24.60	26.58	28.58	30.53	32.48	34.43	38.30	42.13	45.93	49.70	57.15	64.50	71.78
300	32.28	33.73	35.15	38.03	40.88	43.70	46.53	49.33	54.90	60.40	65.85	71.28	81.98	92.53	105.23
400	41.50	43.38	45.23	48.95	52.63	56.30	59.95	63.58	70.75	77.88	84.93	91.93	105.73	122.28	139.53
500	50.38	52.65	54.93	59.48	63.98	68.45	72.90	77.30	86.08	94.75	103.33	111.83	130.54	151.94	173.15
600	58.98	61.68	64.35	69.68	74.98	80.23	85.45	90.65	100.95	111.10	121.18	131.15	155.71	180.99	205.94
700	67.35	70.43	73.50	79.63	85.68	91.70	97.70	103.65	115.43	127.05	138.58	150.96	180.36	209.30	237.73
800	75.50	79.00	82.45	89.33	96.15	102.93	109.65	116.33	129.58	142.63	155.53	171.38	204.41	236.76	268.34
870	81.13	84.88	88.58	96.00	103.33	110.63	117.85	125.05	139.28	153.30	167.38	185.40	220.85	255.41	288.98
1000	91.33	95.58	99.78	108.13	116.43	124.65	132.80	140.90	156.93	172.73	190.53	210.78	250.37	288.63	325.38
1160	103.55	108.38	113.15	122.65	132.08	141.43	150.70	159.88	178.05	195.90	217.94	240.67	284.71	326.66	366.26
1200	106.55	111.53	116.43	126.23	135.93	145.55	155.08	164.53	183.23	201.60	224.59	247.88	292.91	335.62	375.74
1400	121.25	126.93	132.55	143.70	154.75	165.70	176.55	187.30	208.53	229.92	256.45	282.23	331.33	376.76	418.05
1600	135.50	141.85	148.13	160.63	172.98	185.20	197.30	209.30	232.88	256.98	285.73	313.37	364.96	411.06	451.00
1750	145.90	152.73	159.50	172.95	186.25	199.40	212.40	225.28	250.55	275.77	305.78	334.33	386.61	431.72	468.76
2000	162.70	170.35	177.90	192.88	207.68	222.30	236.73	250.98	278.88	306.03	335.10	364.16	415.07	-	-
2400	188.33	197.18	205.90	223.18	240.20	256.95	273.45	289.65	321.28	351.75	381.13	409.35	-	-	-
2800	212.48	222.43	232.20	251.58	270.58	289.20	307.45	325.33	359.95	392.93	-	-	-	-	-
3000	224.00	234.45	244.73	265.05	284.95	304.40	323.43	342.03	377.83	-	-	-	-	-	-
3500	251.23	262.83	274.23	296.63	318.45	339.65	360.23	380.18	-	-	-	-	-	-	-
4000	276.13	288.70	301.00	325.08	348.35	370.78	-	-	-	-	-	-	-	-	-

14M-115115 mm Width - Current Power Ratings Rated Horsepower for Small Sprocket															
RPM	28	29	30	32	34	36	38	40	44	48	52	56	64	72	80
	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	11.229	12.632	14.036
10	2.12	2.23	2.30	2.47	2.64	2.85	3.03	3.20	3.55	3.90	4.21	4.56	5.25	5.92	6.58
20	4.00	4.18	4.35	4.66	5.01	5.36	5.67	6.02	6.68	7.31	7.97	8.63	9.92	11.17	12.42
40	7.48	7.80	8.11	8.77	9.40	10.02	10.65	11.28	12.53	13.78	15.00	16.22	18.65	21.02	23.39
60	10.75	11.24	11.69	12.63	13.54	14.48	15.38	16.29	18.10	19.87	21.65	23.42	26.94	30.38	33.79
100	17.02	17.75	18.48	19.98	21.44	22.90	24.36	25.79	28.68	31.53	34.35	37.17	42.70	48.20	53.63
200	31.46	32.85	34.24	36.99	39.78	42.49	45.21	47.92	53.31	58.64	63.93	69.18	79.55	89.78	99.91
300	44.93	46.95	48.93	52.93	56.90	60.83	64.76	68.66	76.42	84.08	91.66	99.21	114.11	128.79	143.31
400	57.77	60.38	62.95	68.14	73.25	78.37	83.45	88.50	98.48	108.40	118.22	127.96	147.17	166.07	188.77
500	70.12	73.29	76.46	82.79	89.05	95.28	101.48	107.60	119.82	131.89	143.83	155.66	179.05	205.57	234.26
600	82.09	85.85	89.58	96.99	104.37	111.67	118.95	126.18	140.52	154.65	168.68	182.56	210.66	244.86	278.63
700	93.75	98.03	102.31	110.84	119.26	127.65	136.00	144.28	160.67	176.85	192.90	208.73	244.02	283.17	321.63
800	105.10	109.97	114.77	124.34	133.84	143.27	152.63	161.92	180.37	198.53	216.49	234.27	276.56	320.32	363.05
870	112.93	118.15	123.30	133.63	143.83	153.99	164.05	174.07	193.87	213.39	232.71	251.78	298.79	345.56	390.98
1000	127.12	133.04	138.89	150.51	162.06	173.51	184.86	196.13	218.44	240.43	262.11	285.17	338.74	390.50	440.23
1160	144.14	150.86	157.50	170.73	183.85	196.86	209.77	222.55	247.85	272.69	297.23	325.61	385.19	441.95	495.53
1200	148.32	155.24	162.06	175.71	189.21	202.61	215.86	229.02	255.05	280.63	305.82	335.37	396.29	454.08	508.35
1400	168.78	176.68	184.51	200.03	215.41	230.65	245.76	260.72	290.27	319.22	347.69	381.84	448.27	509.73	565.60
1600	188.62	197.46	206.19	223.59	240.78	257.80	274.64	291.35	324.16	356.28	387.81	423.97	493.76	556.14	610.18
1750	203.09	212.59	222.02	240.75	259.26	277.56	295.66	313.58	348.77	383.15	416.73	452.33	523.06	584.09	634.20
2000	226.48	237.13	247.64	268.48	289.08	309.44	329.52	349.36	388.19	425.99	462.77	498.48	566.65	-	-
2400	262.15	274.47	286.61	310.66	334.36	357.67	380.64	403.19	447.21	489.64	530.53	569.82	-	-	-
2800	295.77	309.62	323.22	350.19	376.64	402.57	427.97	452.85	501.05	546.95	-	-	-	-	-
3000	311.81	326.35	340.66	368.95	396.65	423.72	450.21	476.10	525.93	-	-	-	-	-	-
3500	349.71	365.85	381.72	412.90	443.28	472.79	501.43	529.20	-	-	-	-	-	-	-
4000	384.37	401.87	418.99	452.50	484.90	516.12	-	-	-	-	-	-	-	-	-

Selection

HT250 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

170 mm Width - Current Power Ratings															
Rated Horsepower for Small Sprocket															
14M-170	28	29	30	32	34	36	38	40	44	48	52	56	64	72	80
RPM	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	11.229	12.632	14.036
10	3.23	3.39	3.49	3.76	4.02	4.34	4.60	4.87	5.40	5.92	6.40	6.93	7.99	8.99	10.00
20	6.08	6.35	6.61	7.09	7.62	8.15	8.62	9.15	10.16	11.11	12.11	13.12	15.08	16.98	18.89
40	11.37	11.85	12.33	13.33	14.28	15.24	16.19	17.14	19.04	20.95	22.80	24.65	28.35	31.95	35.55
60	16.35	17.09	17.77	19.20	20.58	22.01	23.38	24.76	27.51	30.21	32.90	35.60	40.94	46.18	51.37
100	25.87	26.98	28.09	30.36	32.59	34.81	37.03	39.20	43.59	47.93	52.21	56.50	64.91	73.27	81.52
200	47.82	49.94	52.05	56.23	60.46	64.59	68.72	72.84	81.04	89.14	97.18	105.17	120.93	136.48	151.88
300	68.29	71.36	74.38	80.46	86.49	92.47	98.45	104.37	116.17	127.81	139.34	150.82	173.46	195.78	217.84
400	87.81	91.78	95.70	103.58	111.35	119.13	126.85	134.52	149.71	164.78	179.70	194.51	223.71	252.44	280.85
500	106.59	111.41	116.22	125.85	135.37	144.84	154.26	163.57	182.13	200.49	218.64	236.62	272.17	307.08	346.30
600	124.79	130.50	136.16	147.43	158.65	169.76	180.81	191.82	213.61	235.09	256.41	277.51	319.15	361.97	411.88
700	142.51	149.02	155.53	168.49	181.29	194.04	206.73	219.32	244.24	268.84	293.22	317.29	364.80	418.60	475.45
800	159.76	167.16	174.46	189.01	203.45	217.79	232.02	246.14	274.18	301.79	329.09	356.12	409.29	473.52	536.68
870	171.66	179.60	187.42	203.14	218.64	234.08	249.37	264.61	294.71	324.38	353.74	382.73	441.69	510.82	577.97
1000	193.24	202.24	211.12	228.79	246.36	263.76	281.00	298.14	332.05	365.49	398.44	431.03	500.75	577.26	650.77
1160	219.11	229.32	239.43	259.53	279.47	299.26	318.88	338.30	376.75	414.52	451.82	488.53	569.42	653.32	732.53
1200	225.46	235.99	246.36	267.09	287.62	307.98	328.14	348.13	387.70	426.59	464.89	502.60	585.82	671.25	751.47
1400	256.57	268.57	280.48	304.07	327.45	350.62	373.58	396.33	441.24	485.25	528.52	571.06	662.66	753.52	836.11
1600	286.72	300.15	313.43	339.88	366.02	391.88	417.49	442.88	492.76	541.59	589.52	636.39	729.91	822.12	902.00
1750	308.72	323.17	337.50	365.96	394.11	421.93	449.44	476.68	530.16	582.43	633.48	683.36	779.48	870.42	956.17
2000	344.27	360.46	376.44	408.12	439.44	470.39	500.91	531.06	590.10	647.55	703.46	757.74	861.37	-	-
2400	398.50	417.22	435.68	472.24	508.26	543.71	578.62	612.90	679.82	744.30	806.46	866.18	-	-	-
2800	449.60	470.65	491.34	532.33	572.54	611.95	650.56	688.39	761.65	831.43	-	-	-	-	-
3000	473.98	496.10	517.84	560.85	602.95	644.11	684.37	723.72	799.48	-	-	-	-	-	-
3500	531.59	556.14	580.26	627.66	673.84	718.70	762.24	804.45	-	-	-	-	-	-	-
4000	584.28	610.89	636.92	687.86	737.11	784.56	-	-	-	-	-	-	-	-	-

Reference Guide
Synchronous Products
V-Belt Products
Roller Chain Sprockets
Bushing Products
Accessories Products

Selection

5 mm Pitch HT250 Belt Drive Selection Table

Reference Guide	Sprocket CombinationsCenter Distance, Inches																												
	Speed Ratio	Driver		Driven																									
		No.	Pitch Dia.	No.	Pitch Dia.	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		
		Teeth In.	Teeth 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		
Synchronous Products	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		
V-Belt Products	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	
Roller Chain Sprockets	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	
Bushing Products	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	9.45	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	
Accessories Products	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	</						

5 mm Pitch HT250 Belt Drive Selection Table

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

HT250 SELECTION

Selection

5 mm Pitch HT250 Belt Drive Selection Table

Speed Ratio	Sprocket CombinationsCenter Distance, Inches																											
	Driver		Driven																									
	No.	Pitch of	No.	Pitch of	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		
	Teeth In.	Teeth 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		
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.

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

8 mm Pitch HT250 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	Pitch Dia.	No. of	Pitch Dia.																
	Teeth	Inches	Teeth	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.

Selection

8 mm Pitch HT250 Belt Drive Selection Table

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

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.	No. of Teeth	Pitch Dia.																		
	Inches	Inches	Inches	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	
1.00	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.

Selection

8 mm Pitch HT250 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*																			
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.

Selection

8 mm Pitch HT250 Belt Drive Selection Table

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

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
1.17	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	1.10	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.

Selection

8 mm Pitch HT250 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches														
	Driver		Driven		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*					0.80	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.

Selection

8 mm Pitch HT250 Belt Drive Selection Table

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

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.

Selection

8 mm Pitch HT250 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		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*																	
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	9.23	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	9.37	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	9.52	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.

Selection

8 mm Pitch HT250 Belt Drive Selection Table

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

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.

Selection

8 mm Pitch HT250 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		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*					0.90	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.

Selection

8 mm Pitch HT250 Belt Drive Selection Table

Reference Guide	Sprocket Combinations				Center Distance, Inches																	
	Speed Ratio	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	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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	23.57	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
Bushing Products	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
Accessories Products	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	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20

Selection

14 mm Pitch HT250 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	13.50	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.

Selection

14 mm Pitch HT250 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
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.

Selection

14 mm Pitch HT250 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.

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

14 mm Pitch HT250 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
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.

Selection

14 mm Pitch HT250 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.

Selection

14 mm Pitch HT250 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
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.

Selection

14 mm Pitch HT250 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
1.73	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.

Selection

14 mm Pitch HT250 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
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	49.60	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.

Selection

14 mm Pitch HT250 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.

Selection

14 mm Pitch HT250 Belt Drive Selection Table

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

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
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.

Selection

14 mm Pitch HT250 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.

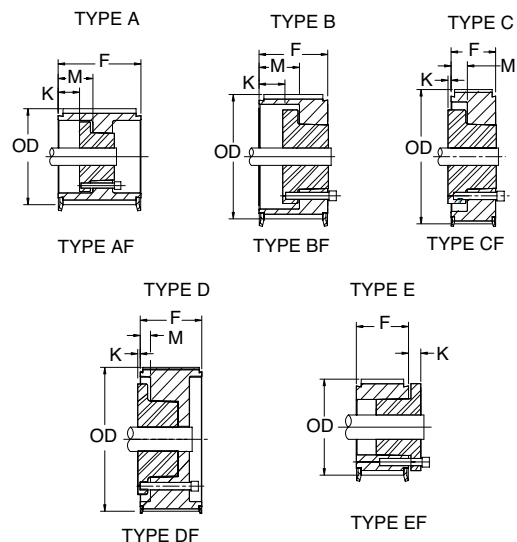
Selection

14 mm Pitch HT250 Belt Drive Selection Table

Reference Guide	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											
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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
Accessories Products	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	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.																

Specification

QD HTD Sprockets



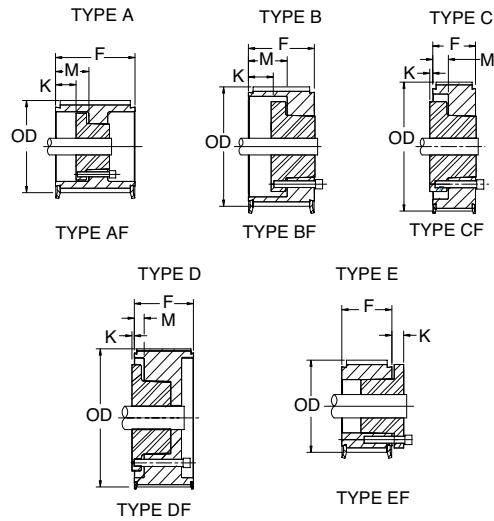
The figure following the sketch reference letter in the “Type” column indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms), and the letter “F” indicates that the sprocket has flanges.

5 mm 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

Specification

QD HTD Sprockets



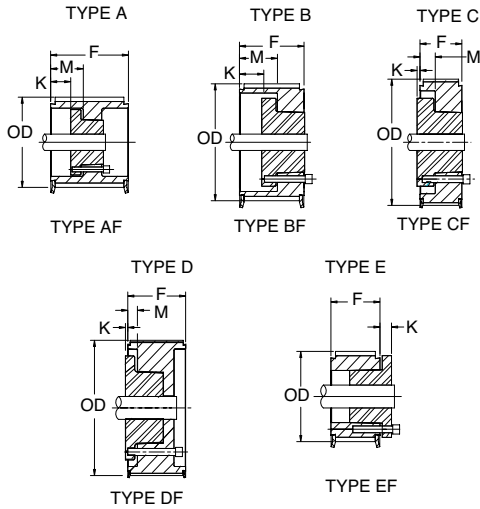
The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms), and the letter "F" indicates that the sprocket has flanges.

8 mm 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

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.

8 mm 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

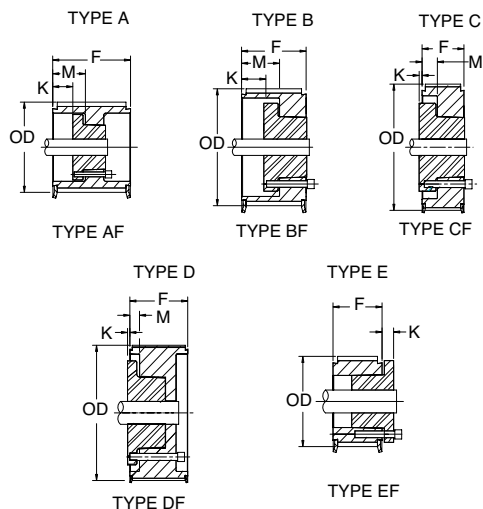
Specification

14 mm 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

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.

14 mm 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

Selection

HTD 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	32	34	36	38	40	44	45	48	50	52	56	60	64	68	
Small Shaft	2.0	2.1	2.3	2.38	2.5	2.8	2.8	3.0	3.1	3.3	3.5	3.8	4.0	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	0.8	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		32	34	36	38	40	44	45	48	50	52	56	60	64	68
Small Shaft		2.0	2.1	2.3	2.38	2.5	2.8	2.8	3.0	3.1	3.3	3.5	3.8	4.0	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

HTD Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

8M-20		HT100 Horsepower Rating–20 mm Wide Belt (.79 in.)														
RPM	No. Teeth															
Small Shaft	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	3.4	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	8.6	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		HT100 Horsepower Rating–30 mm Wide Belt (1.18 in.)														
RPM Small Sprocket	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.

Selection

HTD Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

8M-50		HT100 Horsepower Rating-50 mm Wide Belt (1.97 in.)											
RPM Small Sprocket		No. Teeth											
		28	30	32	34	36	38	40	44	48	56	64	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
20		0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	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	1.7
60		0.6	0.7	0.8	0.9	1.0	1.2	1.2	1.4	1.5	1.7	2.0	2.5
100		1.0	1.2	1.3	1.5	1.7	2.0	2.1	2.3	2.5	2.9	3.3	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	7.8
300		2.8	3.3	3.8	4.4	4.9	5.5	6.0	6.5	7.1	8.1	9.2	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	8.02

8M-85		HT100 Horsepower Rating-85 mm Wide Belt (3.35 in.)									
RPM Small Sprocket		No. Teeth									
		34	36	38	40	44	48	56	64	72	80
10		0.3	0.3	0.3	0.4	0.4	0.4	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.

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

HTD Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

14M-40	HT100 Horsepower Rating—40 mm Wide Belt (1.57 in.)																
	No. Teeth																
RPM Small Sprocket	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—55 mm Wide Belt (2.17 in.)																
	No. Teeth																
RPM Small Sprocket	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.

Selection

HTD Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

14M-85		HT100 Horsepower Rating—85 mm Wide Belt (3.35 in.)																
RPM Small Sprocket		No. Teeth																
		28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
10		0.6	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		HT100 Horsepower Rating—115 mm Wide Belt (4.53 in.)																
RPM Small Sprocket		No. Teeth																
		28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
10		0.8	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.

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

HTD Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

14M-170	HT100 Horsepower Rating–170 mm Wide Belt (6.69 in.)											
	No. Teeth											
RPM Small Sprocket	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

Notes

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Features/Benefits

DYNA-SYNC Drives



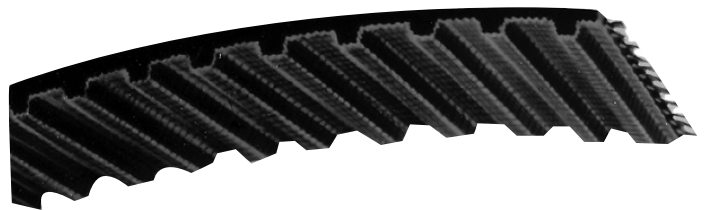
DYNA-SYNC Pulley



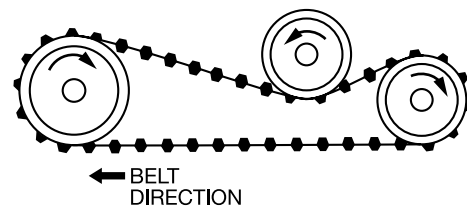
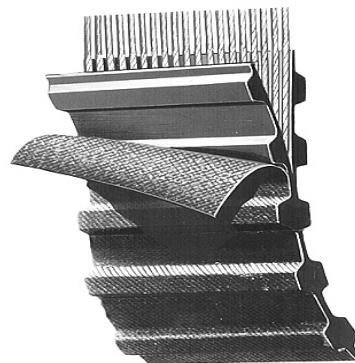
- Clean, Compact TAPER-LOCK Design
- Easy-on/Easy-off
- Precision Manufactured in ISO 9001:2015 Certified Plant
- Flanged Design Standard on Driver Sizes

The Original Timing Drive

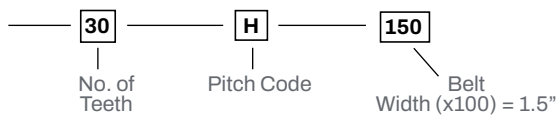
- Synchronized No-Slip Transmission
- No Lubrication Required
- Efficiency: Approximately 98 percent
- Low Maintenance
- Virtually No Backlash
- Constant Linear Velocity
- Drive Ratios to 8.5:1
- Pitches: XL, L, H, and XH



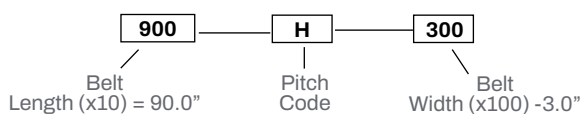
- Tough, Tensile Coords, No-Stretch Fiberglass
- Durable Neoprene Rubber Body
- Long-Wearing Nylon Duck Facing
- Oil, Heat, and Ozone Resistant
- Dual-Sided Teeth Available for Serpentine Drives



NOMENCLATURE Pulleys



BELT

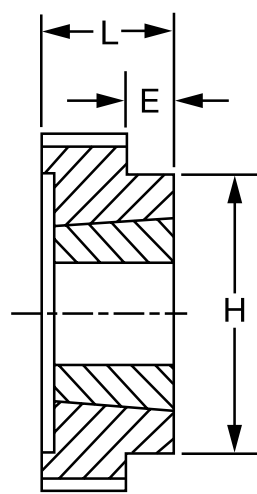


Specifications

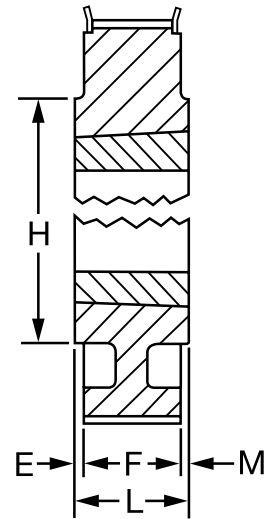
DYNA-SYNC Pulleys - XL, L Pitch



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		Dimensions			
							Min.	Max.	E	H	L	M
32	TL32XL037-1108	113021	.22	2.037		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	None	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"

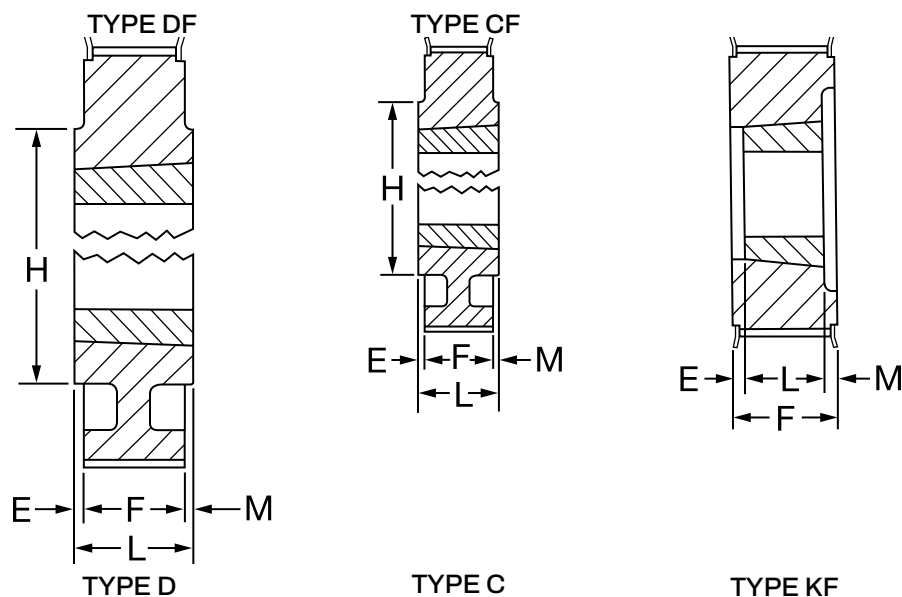
No. of Teeth	Description †	Part No.	Wt	Pitch Dia. (P.D.)	Max. Flg. O.D.	Type †	Brushed Bore Range		Dimensions			
							Min.	Max.	E	H	L	M
18	TL18L050-1108	113575	.45	2.149	2.39	CF-1	1/2	1-1/8	.13	1.63	.88	0
20	TL20L050-1108	113581	.68	2.387	2.63	CF-1	1/2	1-1/8	.13	1.81	.88	0
21	TL21L050-1108	113399	.80	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.

Letter "F" indicates pulley is flanged.

Specifications

DYNA-SYNC Pulleys - L Pitch



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		Dimensions				
							Min.	Max.	E	H	L	M	
18	TL18L075-1108	113589	0.45	2.149	2.39	KF-1	1/2	1-1/8	.06	-	.88	.06	
20	TL20L075-1108	113594	0.68	2.387	2.63	KF-1	1/2	1-1/8	.06	-	.88	.06	
22	TL22L075-1108	113595	0.90	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		Dimensions				
							Min.	Max.	E	H	L	M	
18	TL18L100-1108	113599	0.7	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	None	C-2	1/2	2-1/8	0	4.38	1.25	-	
72	TL72L100-2012	113584	8.0	8.594		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.

Letter "F" indicates pulley is flanged.

Specifications

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.)

H100 - 1/2" Pitch (1" Wide Belt) (for H075 and H100 Belts)

F=1.32"

No. of Teeth	Description Ø	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	None	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		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

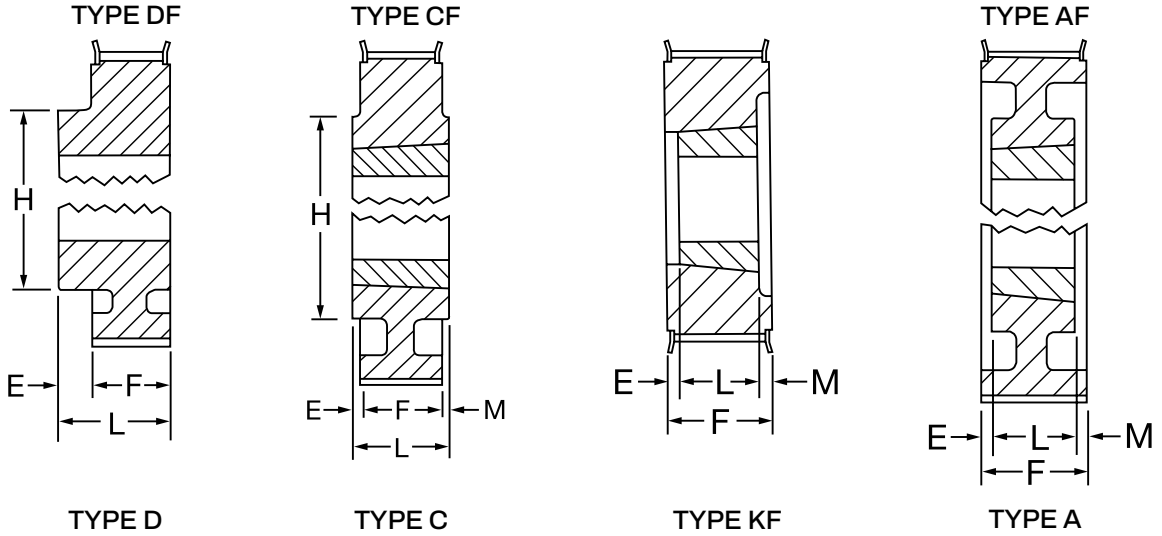
H150 - 1/2" Pitch (1.5" Wide Belt)

F=1.86"

No. of Teeth	Description Ø	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	None	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		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



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		Dimensions			
							Min.	Max.	E	H	L	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	None	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		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)

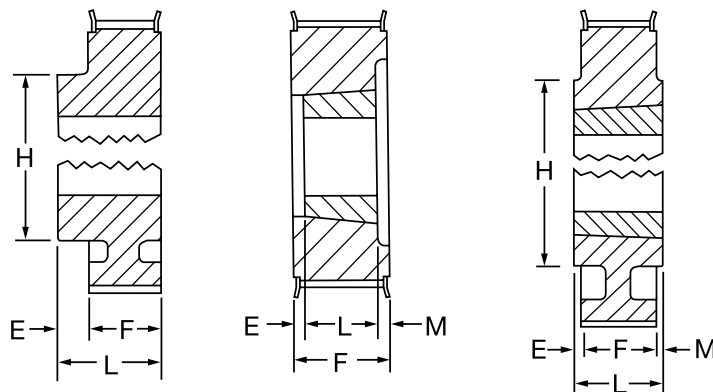
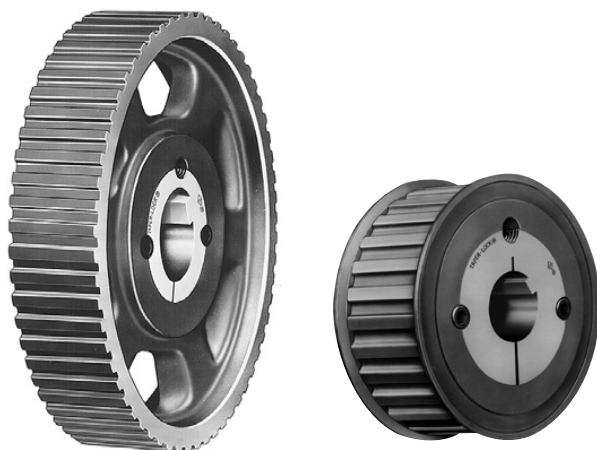
F=3.38"

No. of Teeth	Description ◇	Part No.	Wt.	Pitch Dia. (P.D.)	Max. Flg. O.D.	Type †	Brushed Bore Range		Dimensions			
							Min.	Max.	E	H	L	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	None	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		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.

Specifications

DYNA-SYNC Pulleys - XH



XH200 - 7/8" Pitch (2" Wide Belt)

F=2.56"

No. of Teeth	Description Ø	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 Ø	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.
Letter "F" indicates pulley is flanged.

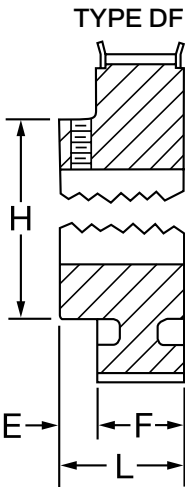
XXH Pulley Note: Discontinued Product. Recommend that drive be redesigned to HT100 or HT150. Refer to HT section of this catalog.

Specifications

DYNA-SYNC Pulleys - XL037



Minimum Plain Bore



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

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

Specifications

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

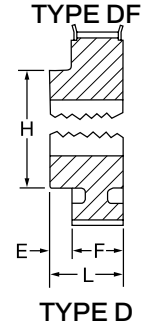
Available from stock in Min. Plain Bore (MPB) only.

Max. bore is without keyway. (if keyway is used, reduce max bore by twice the keyway depth.)

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	L	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"

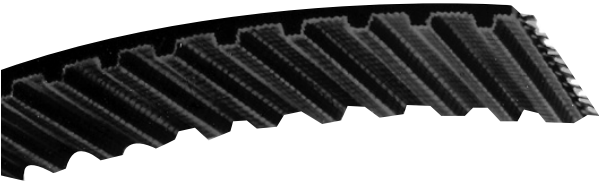
16	16H300-MPB	114364	4.54	2.546	2.88	DF-1	3/4	1-1/8	1.88	4.06	.75
17	17H300-MPB	114459	5.23	2.706	3.00	DF-1	3/4	1-1/4	2.00	4.06	.75
18	18H300-MPB	114365	6.00	2.865	3.13	DF-1	3/4	1-3/8	2.25	4.06	.75
19	19H300-MPB	114366	6.80	3.024	3.38	DF-1	3/4	1-1/2	2.35	4.06	.75
20	20H300-MPB	114367	7.69	3.183	3.38	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

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.)

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	464584	.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

Specifications

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

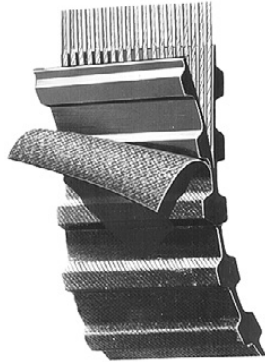
7/8" Pitch (XH)									
Belt Length	XH200 (2" Wide)			XH300 (3" Wide)			XH400 (4" Wide)		
	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.	Belt No.	Part No.	Wt.
50.7	507XH200	464690	1.77	507XH300	464702	2.66	507XH400	464750	3.54
56.0	560XH200	464691	1.95	560XH300	464703	2.93	560XH400	464751	3.91
63.0	630XH200	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

Specifications

Dual DYNA-SYNC Belts

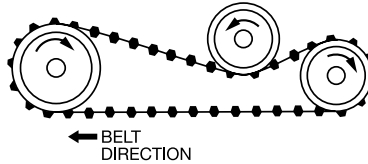


For Serpentine Drives

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	H075 (3/4" Wide)		H100 (1" Wide)		H150 (1-1/2" Wide)		H200(2" Wide)		H300 (3" Wide)	
Lgth.	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	110289
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.		

Selection

DYNA-SYNC Drives

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Using Standard Motor Speeds

- Step 1–Determine Service Factor** from steps on page PT3-144.
- 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 PT3-146. **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.

Selection

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 PT3-144 is 2.2.

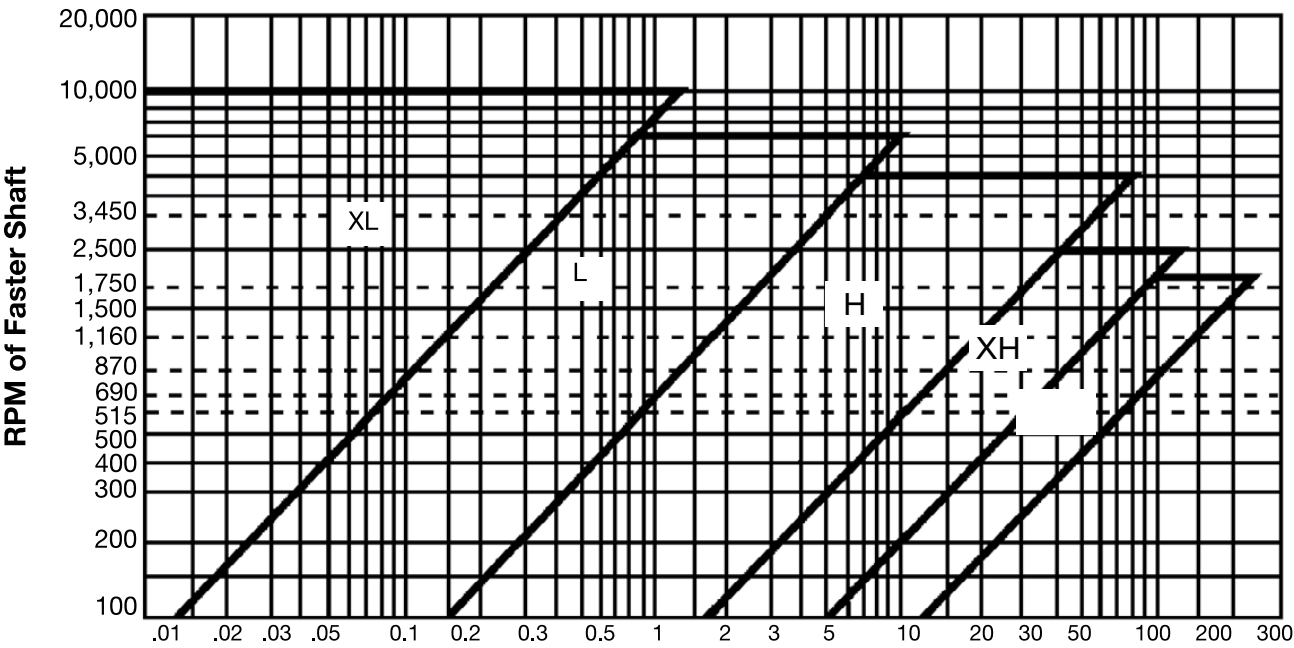
Step 2–Design HP = 5 x 2.2 = 11 HP.

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 PT3-158. 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	II	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	–

Selection

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 PT3-144.

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 PT3-153 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 PT3-146. **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 = $426 \div 800 = 1.88$

Step 2 – Service Factor = 1.8

Step 3 – Design HP = $7 \times 1.8 = 12.6$

Step 4 – Belt Selection from Table 1 = H

Step 5 – The H Section Drive Tables begin on page PT3-146. The ratio of 1.88 obtained in Step 1 is found on page PT3-146. 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 PT3-146. 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 $2000 \div 1750 = 1.14$.

Step 2 – Service factor from page PT3-144 is 1.8

Step 3 – Design HP = $10 \times 1.8 = 18$ 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 PT3-146. 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 PT3-146, the rating for a 1" wide belt is shown as 9.60 for a 28H pulley at 2000 RPM. $18 \text{ design HP} \div 9.60 = 1.875$ 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

XL Stock Drive Selections

Reference Guide	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					
	3500	1750	1160		Driver		Driven		3500	1750	1160	60XL	70XL	80XL	90XL	100XL	110XL
					No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.									
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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†
Accessories Products	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

Δ HP ratings are for conventional speed-reduction drives. † See Teeth in Mesh table on opposite page
For Speed-Up Drives refer to page PT3-146.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

Selection

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	8.20	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	8.60	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	9.60	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	10.69	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	7.74	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†	5.69†	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

Selection

XL Stock Drive Selections

Reference Guide	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					
	3500	1750	1160		Driver		Driven		3500	1750	1160	60XL	70XL	80XL	90XL	100XL	110XL
				No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.										
	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
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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
Accessories Products	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. † ‡ See Teeth in Mesh table on opposite page.

For Speed-Up Drives refer to page PT3-146. ♥ Flanges Required on both pulleys.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

Selection

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	6.64	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	6.98	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	6.49	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	6.49	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	6.74	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	5.63	6.13	6.63	7.13	7.63	8.13	8.63	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	4.84	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	7.63	8.13♥	8.63♥	9.13♥	9.63♥	10.13♥	10.63♥
–	–	–	–	3.44	3.96	4.48	4.99	5.50	6.01	6.52	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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

XL Stock Drive Selections

Reference Guide	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					
	3500	1750	1160		Driver		Driven		3500	1750	1160	60XL	70XL	80XL	90XL	100XL	110XL
					No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.									
Synchronous Products	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†
V-Belt Products	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‡
Roller Chain Sprockets	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†
Bushing Products	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‡
Accessories Products	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	–	–	–	–	–	–

Δ HP ratings are for conventional speed-reduction drives.
For Speed-Up Drives refer to page PT3-146.

† ‡ § See Teeth in Mesh table on opposite page.
▼ Flanges Required on both pulleys.

◊ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

Selection

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†	6.98†	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	6.41	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	6.54	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	6.06	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	6.83	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	7.63	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	6.59	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†♥	8.25†♥	8.76†♥	9.27†♥
–	–	–	–	3.14‡	3.73‡	4.29‡	4.84†	5.38‡	5.90†	6.43‡	6.95†	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	Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00	‡	4	.60
†	5	.80	§	3	.40

Selection

L Stock Drive Selections

Reference Guide	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
Synchronous Products	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‡
V-Belt Products	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
Roller Chain Sprockets	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	
Accessories	–	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

Selection

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

Selection

L Stock Drive Selections

Reference Guide	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					
	3500	1750	1160		Driver		Driven		3500	1750	1160	124L	150L	187L	210L	225L	240L
					No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.									
	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
Synchronous Products	–	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‡
V-Belt Products	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	–	–	–	–	–	–
Roller Chain Sprockets	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
Bushing Products	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
Accessories Products	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. † ‡ See Teeth in Mesh table on opposite page.
For Speed-Up Drives refer to page PT3-146.
◇ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected.
Suggest alternate drive selection, whenever possible.

Selection

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	10.86	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	20.99	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†	23.63†	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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

L Stock Drive Selections

Reference Guide	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						
	3500	1750	1160		Driver		Driven		3500	1750	1160	124L	150L	187L	210L	225L	240L	
					No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.										
Synchronous Products	–	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†	
V-Belt Products	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	–	–	–	–	–	–	
Roller Chain Sprockets	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	–	–	–	–	–	–	
Bushing Products	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◇	–	–	–	–	–	–	
Accessories Products	–	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 PT3-146.									† ‡ § ♣ See Teeth in Mesh table on opposite page. ♥ Flanges Required on both pulleys.								
	◇ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.																	

Selection

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‡	11.27‡	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
β	2	.20

Selection

H Stock Drive Selections

Reference Guide	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												
	No. of	Pitch	No. of		Pitch	3500	1750	1160	240H	270H	300H	330H	360H	390H	420H				
	Teeth	Diam.	Teeth		Diam.	3500	1750	1160	240H	270H	300H	330H	360H	390H	420H				
Synchronous Products	–	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	
V-Belt Products	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		
Roller Chain Sprockets	–	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		
Bushing Products	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	

Selection

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.

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

H Stock Drive Selections

Reference Guide	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												
					No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.											
	3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	240H	270H	300H	330H	360H	390H	420H	
Synchronous Products	–	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	
	V-Belt Products	–	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	–	–	–	–	–	–	–	
Roller Chain Sprockets	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	
Bushing Products	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. ♥ Flanges Required on both pulleys.
For Speed-Up Drives refer to page PT3-146.

◇ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

Selection

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.

Selection
H Stock Drive Selections

- Reference Guide
- Synchronous Products
- V-Belt Products
- Roller Chain Sprockets
- Bushing Products
- Accessories Products

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											
				No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.										
3500	1750	1160		Teeth	Diam.	Teeth	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 PT3-146. † ‡ § See Teeth in Mesh table on opposite page. ♥ Flanges Required on both pulleys. ◇ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

Selection

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	18.66	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♥
–	–	–	–	–	–	–	–	12.98†	15.40	18.24	20.98	23.66	26.29♥	31.50♥	36.64♥	44.29♥	51.90♥
–	–	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)		
INTRO-4	Reference Guide	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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

XH Stock Drive Selections

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Driven Speeds for Motor Speeds of				Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of Δ		
				Driver		Driven				
				No. of	Pitch	No. of	Pitch			
1750	1160	870	Speed Ratio	Teeth	Diam.	Teeth	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.

♥ Flanges Required on both pulleys.

For Speed-Up Drives refer to page PT3-146.

◇ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

Selection

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	45.46	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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

XH Stock Drive Selections

Reference Guide	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.			
	948	628	471		1.85	26XH	7.241	48XH	13.369	17.17	12.13
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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
Accessories	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

Δ HP ratings are for conventional speed-reduction drives.
For Speed-Up Drives refer to page PT3-146.

◇ 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.

Selection

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♥	61.20♥
–	–	–	–	–	–	–	–	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	Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00	‡	4	.60
†	5	.80			

Selection

XL Stock Drive Selections

Reference Guide	RPM of Faster Shaft	HP for a 1" Wide Belt for Various Pulleys												
		10XL	11XL	12XL	14XL	15XL	16XL	18XL	20XL	21XL	22XL	24XL	28XL	30XL
		.637	.700	.764	.891	.955	1.019	1.146	1.273	1.337	1.401	1.528	1.783	1.910
	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	
Synchronous Products	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
V-Belt Products	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
	Roller Chain Sprockets	3600	.74	.81	.88	1.03	1.10	1.18	1.32	1.46	1.54	1.61	1.75	2.03
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
Bushing Products		8500	-	-	-	-	-	-	2.97	3.26	3.39	3.52	3.76	4.19
	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.

Selection

L Stock Drive Selections

RPM of Faster Shaft	HP for a 1" Wide Belt for Various Pulleys																		
	10L	12L	13L Δ	14L	15L Δ	16L	17L	18L	19L	20L	21L	22L	24L	26L	28L	30L	32L	40L	48L
	1.194	1.432	1552	1.671	1.790	1.910	2.029	2.149	2.268	2.387	2.507	2.626	2.865	3.104	3.342	3.581	3.820	4.775	5.730
	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.
100	.050	.06	.07	.07	.08	.08	.09	.09	.10	.10	.11	.12	.13	.14	.15	.16	.17	.21	.25
200	.100	.13	.14	.15	.16	.17	.18	.19	.20	.21	.22	.23	.25	.27	.29	.31	.33	.42	.50
300	.160	.19	.20	.22	.23	.25	.27	.28	.30	.31	.33	.34	.38	.41	.44	.47	.50	.63	.75
400	.210	.25	.27	.29	.31	.33	.35	.38	.40	.42	.44	.46	.50	.54	.58	.62	.67	.83	1.00
500	.260	.31	.34	.37	.39	.42	.44	.47	.50	.52	.55	.57	.63	.68	.73	.78	.83	1.04	1.24
600	.310	.37	.41	.44	.47	.50	.53	.56	.59	.63	.66	.69	.75	.81	.87	.94	1.00	1.24	1.49
700	.370	.44	.47	.51	.55	.58	.62	.66	.69	.73	.77	.80	.87	.95	1.02	1.09	1.16	1.45	1.73
800	.420	.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	.450	.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	.470	.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	.520	.62	.68	.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	.570	.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	.600	.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	.630	.750	.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	.680	.810	.88	.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	.730	.870	.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	.780	.940	1.020	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	.830	1.000	1.080	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	.890	1.060	1.150	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	.910	1.090	1.170	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	-	1.120	1.210	1.300	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	-	1.180	1.270	1.380	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	-	1.240	1.350	1.450	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	-	1.360	1.480	1.590	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	-	1.490	1.610	1.730	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	-	1.550	1.680	1.800	1.920	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	-	1.610	1.740	1.870	2.000	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	-	1.730	1.870	2.010	2.140	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	-	1.850	2.000	2.150	2.290	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	-	-	2.130	2.280	2.440	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	-	-	2.260	2.420	2.580	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	-	-	2.320	2.490	2.650	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	-	-	-	2.550	2.730	2.900	3.070	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	-	-	-	2.690	2.860	3.030	3.220	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	-	-	-	2.830	3.000	3.200	3.370	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	-	-	-	-	3.150	3.340	3.530	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	-	-	-	-	3.280	3.490	3.670	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	-	-	-	-	3.410	3.630	3.820	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	-	-	-	-	3.540	3.770	3.960	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	-	-	-	-	3.670	3.910	4.100	4.310	4.500	4.68	4.86	5.04	5.35	5.63	5.86	6.06	6.20	6.26	5.30†
5200	-	-	-	-	3.810	4.030	4.230	4.450	4.630	4.82	5.01	5.18	5.48	5.76	5.98	6.15	6.27	6.16†	4.91†
5400	-	-	-	-	3.930	4.170	4.370	4.590	4.770	4.96	5.14	5.31	5.61	5.88	6.07	6.23	6.32	6.01†	4.44†
5600	-	-	-	-	4.050	4.290	4.500	4.720	4.910	5.09	5.28	5.44	5.73	5.98	6.16	6.28	6.34	5.83†	3.89†
5800	-	-	-	-	4.170	4.420	4.620	4.840	5.040	5.22	5.40	5.57	5.84	6.07	6.23	6.32	6.34	5.60†	3.27†
6000	-	-	-	-	4.290	4.50	4.750	4.970	5.150	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.

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

H Stock Drive Selections

Reference Guide	RPM of Faster Shaft	HP for a 1" Wide Belt for Various Pulleys																
		14H	16H	17H	18H	19H	20H	21H	22H	24H	26H	28H	30H	32H	36H Δ	40H	44H Δ	48H
		2.228	2.546	2.706	2.865	3.024	3.183	3.342	3.501	3.820	4.138	4.456	4.775	5.039	5.730	6.366	7.003	7.639
	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.
Synchronous Products	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
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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
Bushing Products	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
Accessories Products	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	16.27	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†
Accessories Products	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†	-
Accessories Products	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†	-	-	-
	Accessories Products	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.

Selection

L Stock Drive Selections

XH Basic Horsepower Ratings

RPM of Faster Shaft	HP for a 1" Wide Belt for Various Pulleys								
	18	20	22	24	26	28	30	32	40
	XH	XH	XH	XH	XH	XH	XH	XH	XH
	5.013	5.570	6.127	6.685	7.241	7.799	8.356	8.913	11.141
	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	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†◇	-	-	-	-	-

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
Belt Width	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5½	6	7	8	9	10	11	12	13
Belt Width Code	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1100	1200	1300

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.

Synchronous Installation

HT500 and HT250 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 PT3-253.

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.

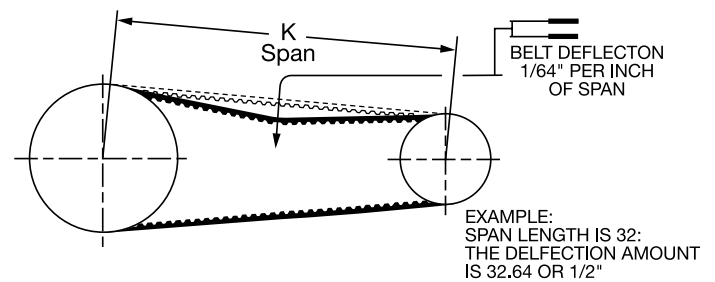
Belt Installation and Tensioning

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.

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 PT3-253 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.

Synchronous Installation

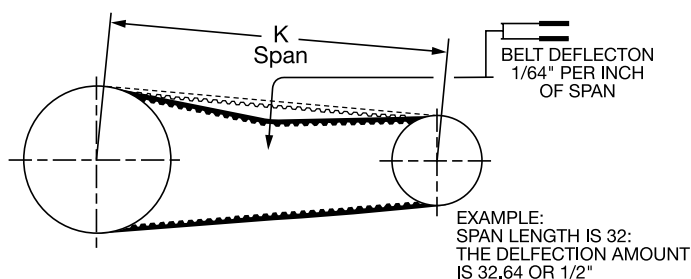
Belt Installation and Tensioning

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)
HT250	5M	4.1
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)

Synchronous Installation

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.

$$\text{Force of Deflection } f = \frac{T + (S/L) K}{16}$$

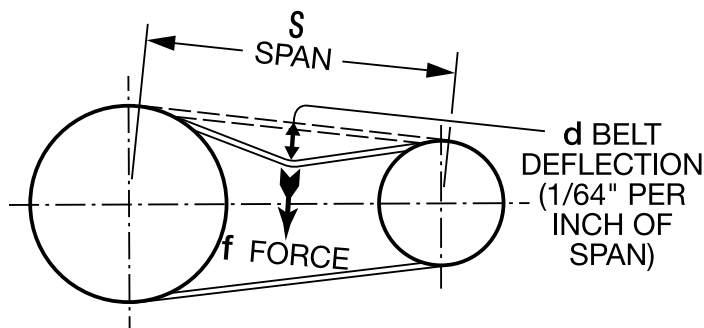
Where S = Span distance in inches

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.

Synchronous Engineering

HT500 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.

Best 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.

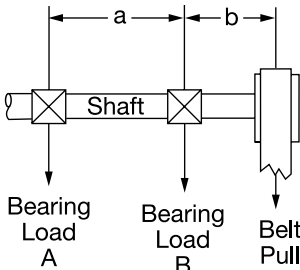
Belt pull can be calculated using the following formula:

$$\text{Belt Pull (lbs)} = \frac{126,000 \times \text{HP} \times F}{\text{RPM} \times \text{PD}}$$

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			Belt Pull	Bearing Load "B"
	a	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.

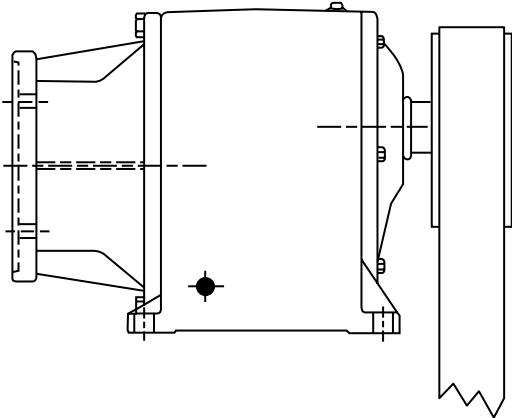


Fig. 2

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.

Synchronous Engineering

Troubleshooting

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

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 larger 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
	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

Synchronous Engineering

HTD 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.

Best 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:

$$\text{Belt Pull (lbs)} = \frac{126,000 \times \text{DHP} \times \text{F}}{\text{RPM} \times \text{PD}}$$

Where: DHP = Design horsepower
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.

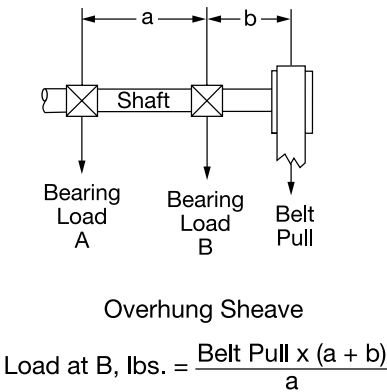


Fig. 1

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.

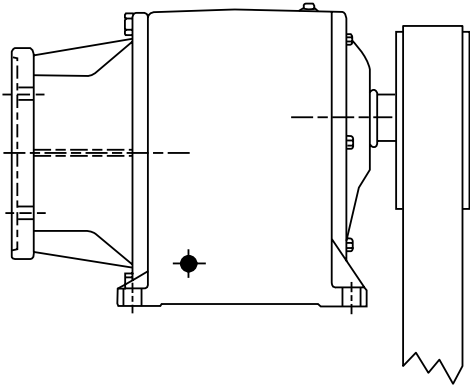


Fig. 2

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.

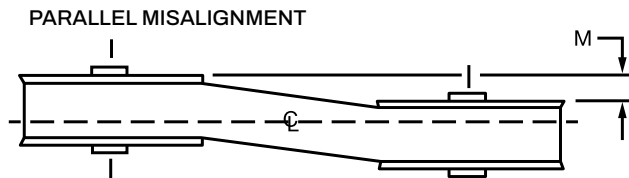
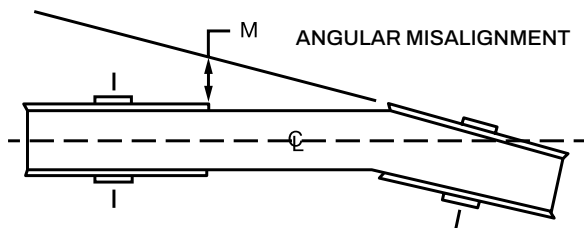
Drive Design Considerations

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.

Synchronous Engineering

HTD

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 PT3-253.

Step 1. Calculate Min. Installation Tension:

Formula 1: $T = \frac{20 \text{ (HP)}}{V} + mV^2$

Where: HP = Horsepower
 $V = \frac{\text{Belt Velocity (in FPM)}}{1000}$

$m = \text{Value in Table 1}$
 $\text{Belt Velocity} = \text{PD} \times \text{RPM} \times .262$
(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: $\text{Min Force} = \frac{1.0T + (K/L)Y}{16} \text{ (lbs)}$

Formula 3: $\text{Max Force} = \frac{1.1T + (K/L)Y}{16} \text{ (lbs)}$

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 PT3-253 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

Synchronous Engineering

Drive Tensioning

Table 1

	Pitch	Width	m	Y	Min Ts
HT250	5 mm	15 mm	0.28	24.9	14
HT250	5 mm	25 mm	0.47	41.5	23
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 mm	0.54	42.29	19
HT250	8 mm	30 mm	0.81	63.44	30
HT250	8 mm	50 mm	1.35	105.7	52
HT250	8 mm	85 mm	2.29	179.7	95
HT250	14 mm	40 mm	1.80	93.04	77
HT250	14 mm	55 mm	2.48	127.9	120
HT250	14 mm	85 mm	3.83	197.7	206
HT250	14 mm	115 mm	2.18	267.5	291
HT250	14 mm	170 mm	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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Synchronous Engineering

Dyna-Sync 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. ϕ)	O.D.	Tol.
Radial	8" and under	.005"
	For each add'l. inch of O.D. add .0005"	
Axial	1" and 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"	

ϕ Total Indicator Reading

Reborable Pulley Bore Tolerances

Bore Size	Tol.
15/16" and Under	.0010" - .0000"
1" to 1-15/16"	.0015" - .0000"
2" to 2-15/16"	.0020" - .0000"
3" and 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.

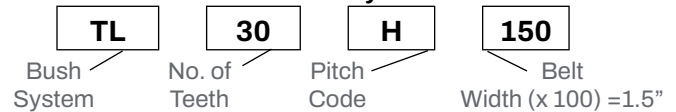
Standard Keyways

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

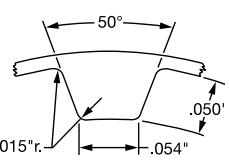
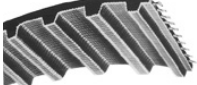
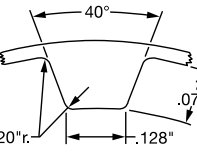
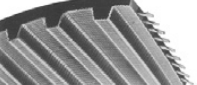
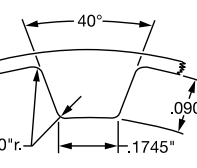
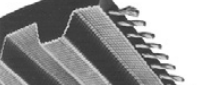
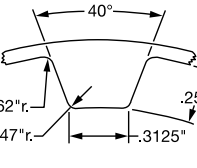
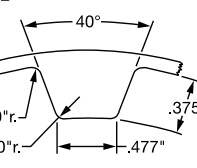
Pitch	Pulley O.D.	Diameter Over Belt
XL	P.D. - 0.02"	P.D. + 0.08"
L	P.D. - 0.03"	P.D. + 0.11"
H	P.D. - 0.054"	P.D. + 0.11"
XH	P.D. - 0.11"	P.D. + 0.27"
XXH	P.D. - 0.12"	-

NOMENCLATURE Pulleys



Belts



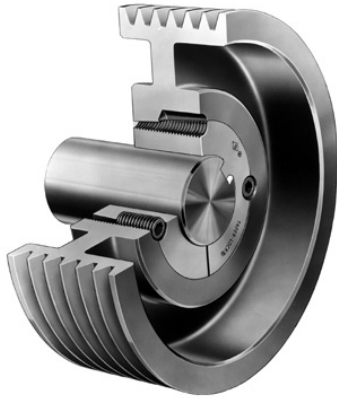
1/5" pitch (XL)	3/8" pitch (L)	1/2" pitch (H)	7/8" pitch (XH)	1-1/4" pitch (XXH)
 Typical uses are shown below the Tooth Dimensions Sketches . . .  Business machines, instrumentation, sound equipment	  FHP applications such as home appliances, small tools, pumps, blowers.	  Machine tools, pumps, fans presses, motor-generator sets.	  Medium-torque applications - such as heavy industrial equipment.	  High torque applications- such as heavy industrial equipment

V-belt Products

PT4-2	Features/Benefits
PT4-3	V-belt sheaves
PT4-3	Taper-Lock sheaves
PT4-2	Narrow
PT4-10	Classical
PT4-15	QD sheaves
PT4-14	Narrow
PT4-21	Classical
PT4-26	Custom Made Sheaves
PT4-42	Variable Pitch Sheaves
PT4-51	Split Taper Sheaves
PT4-64	V-Belts
PT4-67	Selection
PT4-76	FLEXLINK
PT4-78	D-V Wedge
PT4-120	Classical
PT4-159	V-belt Installation
PT4-163	Engineering/Technical

Features/Benefits

Taper-Lock and QD Sheaves



**TAPER-LOCK
Sheaves**



QD Sheaves

V-Drive

- Isolates shock loads and vibration.
- Misalignment capability.
- Drive ratios of 6:1 or more possible.
- Low maintenance.
- No lubrication required.
- Quiet operation: Motors, etc. are normally at a higher db level than V-Drives.
- Efficiency of 93 percent is typical.

WARNING

Stock sheaves are manufactured from gray iron, which is suitable for operation up to 6500 FPM for Arm and Web-type and 7500 FPM for block-type 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.

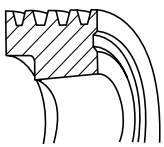
ARAMIDE CORD BELTS WARNING:

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

Dodge sheaves are manufactured to meet or exceed joint RMA/ MPTA industry standards for smooth operation plus extended belt life.

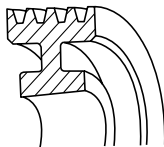
Dodge manufacturing plants are certified to ISO 9001:2015 quality standards

Sheave Construction



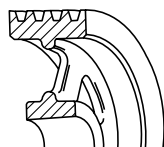
DASH 1
BLOCK

Type 1



DASH 2
WEB

Type 2



DASH 3
ARM

Type 3

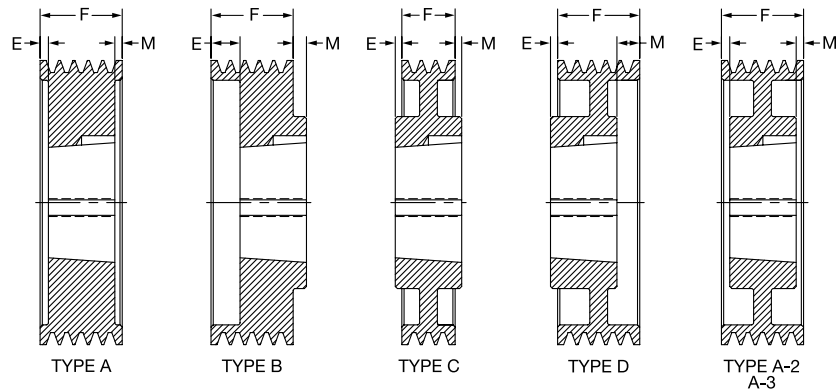
Dodge stock sheaves are manufactured from high quality gray iron. They are given a corrosion-resistant finish before packaging and shipping. Sheave construction follows the general format illustrated above: smaller sheaves are of the block construction, intermediate sizes of the web-type, and large sheaves of the arm- type construction.

Sheave Balance

Stock sheaves are static balanced and suitable for most applications up to a rim speed of 7500 FPM for Block and 6500 FPM for Web and Arm-type. Dynamic (two-plane) balance is available at extra charge for applications that are more sensitive to vibration.

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

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

Δ Pitch diameter = O.D. - .05"

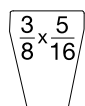
‡ Type 1 = Block Type, 2 = Web, 3 = Arm - See page PT4-2.

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

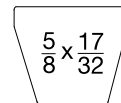
4-Groove						F = 1.90
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
2.65	112132	4-3V2.65-1108	1.2	A1	.06	.97
2.8	112133	4-3V2.8-1108	1.3	A1	.06	.97
3.0	112209	4-3V3.0-1210	2.1	A1	.11	.80
3.15	112210	4-3V3.15-1210	1.9	A1	.11	.80
3.35	112211	4-3V3.35-1610	2.2	A1	.11	.80
3.65	112212	4-3V3.65-1610	2.0	A1	.11	.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

Selection/Dimensions

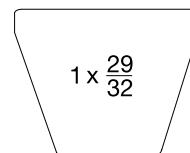
3V Taper-Lock Sheaves



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 PT4-2.

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 PT4-2.**

++ 5VX Belts only on these sizes.

Selection/Dimensions

5V Taper-Lock Sheaves

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

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

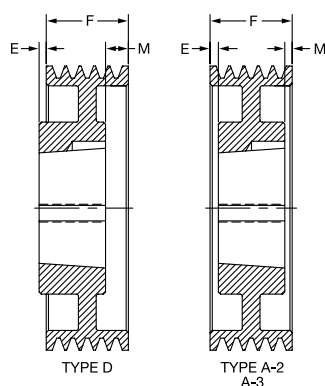
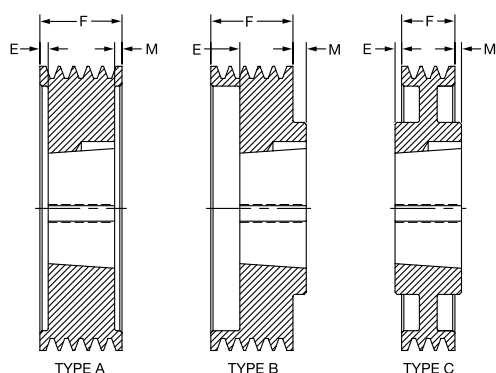
Δ Pitch diameter = O.D. - .10"

‡ Type 1 = Block Type, 2 = Web, 3 = Arm - See drawings page PT4-2.

++ 5VX Belts only on these sizes.

Selection/Dimensions

5V Taper-Lock Sheaves



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	

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	

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	

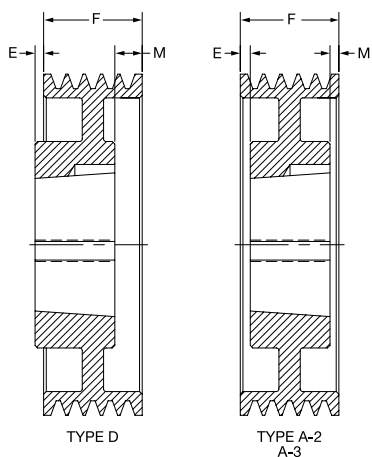
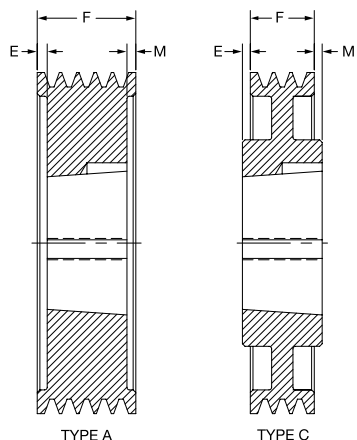
Δ Pitch diameter = O.D. - .10"

± Type 1 = Block Type, 2 = Web, 3 = Arm - See page PT4-2.

++ 5VX Belts only on these sizes.

Selection/Dimensions

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 PT4-2.

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

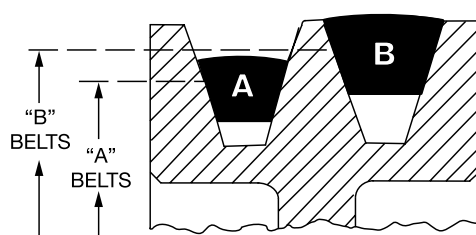
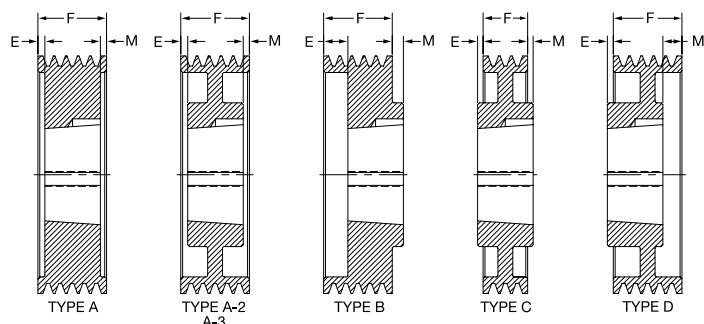
Δ Pitch diameter = O.D. - .20"

‡ Type 1 = Block Type, 2 = Web, 3 = Arm - See drawings page PT4-2.

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

Selection/Dimensions

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	1A4.4B4.8-1610	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	1A5.0B5.4-1610	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	1A5.6B6.0-1610	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	1A10.6B11.0-2517	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 PT4-2.

** 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

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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

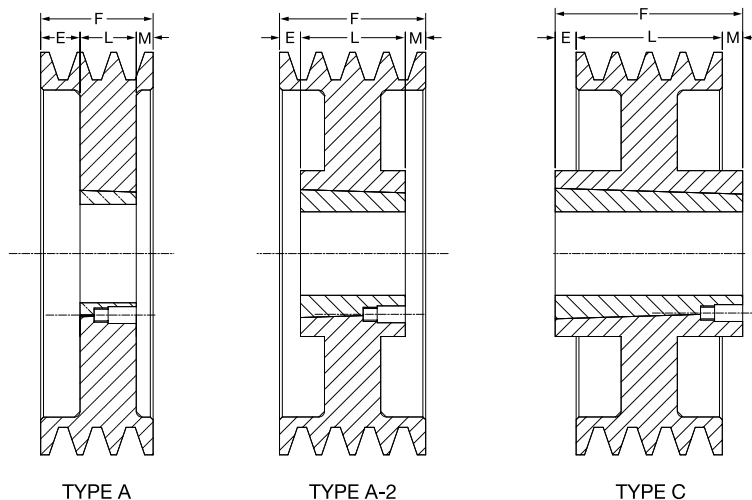
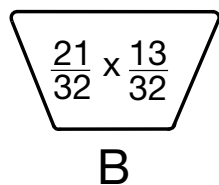
Δ P.D. for "A" Belts = O.D. - .37"

P.D. for "B" Belts = O.D. +.01"

‡ Type 1 = Block Type, 2 = Web, 3 = Arm – See page PT4-2.

Selection/Dimensions

B Taper-Lock Sheaves

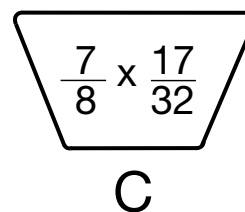


8-Groove					F = 6.25	
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
5.75	114114	8B5.4-2517	15.0	A1	1.87	2.62
5.95	114115	8B5.6-2517	17.0	A1	1.87	2.62
6.35	114116	8B6.0-2517	19.0	A1	1.87	2.62
6.75	114117	8B6.4-2517	22.0	A1	1.87	2.62
7.15	114118	8B6.8-2517	26.0	A1	1.87	2.62
7.75	114119	8B7.4-2517	34.0	A1	1.87	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

Δ P.D. for "B" Belts = O.D. + .01"

‡ Type 1 = Block Type, 2 = Web, 3 = Arm - See page PT4-2.



C Taper-Lock Sheaves

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 "C" Belts = O.D.

‡ Type 1 = Block Type, 2 = Web, 3 = Arm - See page PT4-2.

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C Taper-Lock Sheaves

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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

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

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

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

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

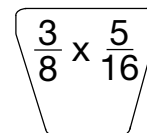
12-Groove F = 12.37						
O.D.Δ	Part No.	Description	Wt.	Type‡	E	M
9.4	115065	12C9.0-4040	87.0	A1	3.50	4.87
9.9	115066	12C9.5-4040	90.0	A1	3.50	4.87
10.4	115067	12C10.0-4040	95.0	A1	3.50	4.87
10.9	115068	12C10.5-4040	104.0	A1	3.50	4.87
11.4	115069	12C11.0-4040	125.0	A1	3.50	4.87
12.4	115070	12C12.0-4040	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 PT4-2.

Selection/Dimensions

3V QD Sheaves



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 and 14.0 – 19.0,

F=0.93 4.12 – 4.75, F=0.81 5.0 – 6

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

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

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 PT4-2.

Selection/Dimensions

3V QD Sheaves

Reference Guide

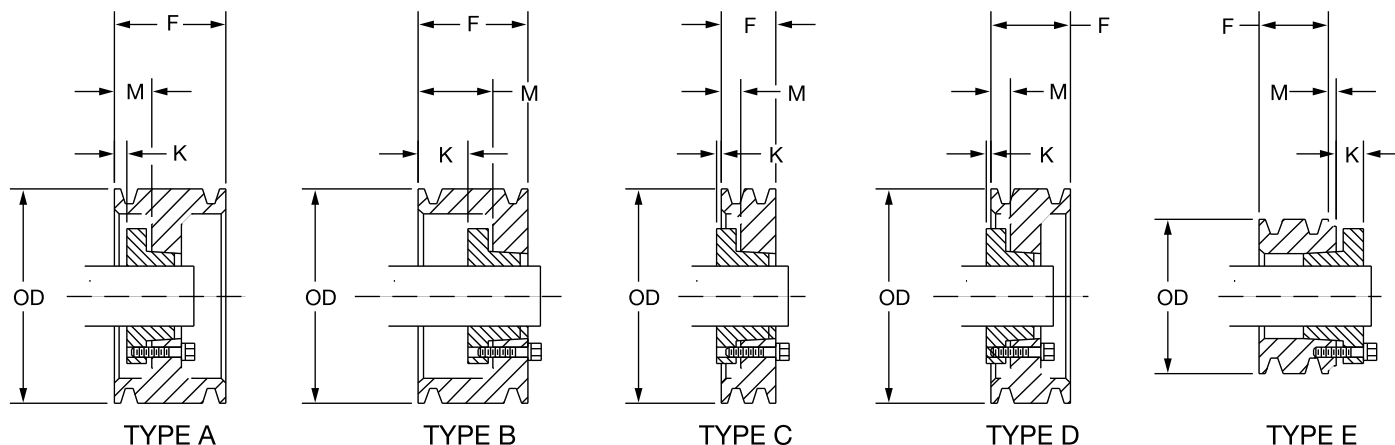
Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products



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

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

Δ Pitch Diameter = O.D. - .05"

‡ Type 1 = Block Type, 2 = Web, 3 = Arm - See page PT4-2.

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

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

Selection/Dimensions

5V QD Sheaves

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
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

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

Δ Pitch diameter = O.D. - .10" . . .

‡ Type 1 = Block Type, 2 = Web, 3 = Arm - See page PT4-2.

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

++ 5VX Belts only on these sizes.

Selection/Dimensions

5V QD Sheaves

Reference Guide

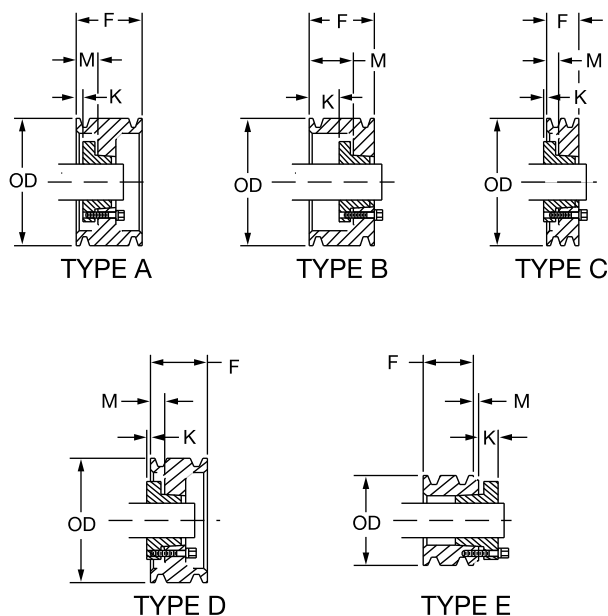
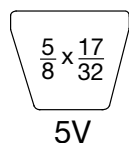
Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products



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 PT4-2.

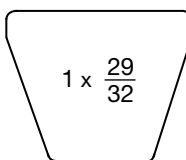
++ 5VX Belts only on these sizes.

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	6/5V11.8-E	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



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

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

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

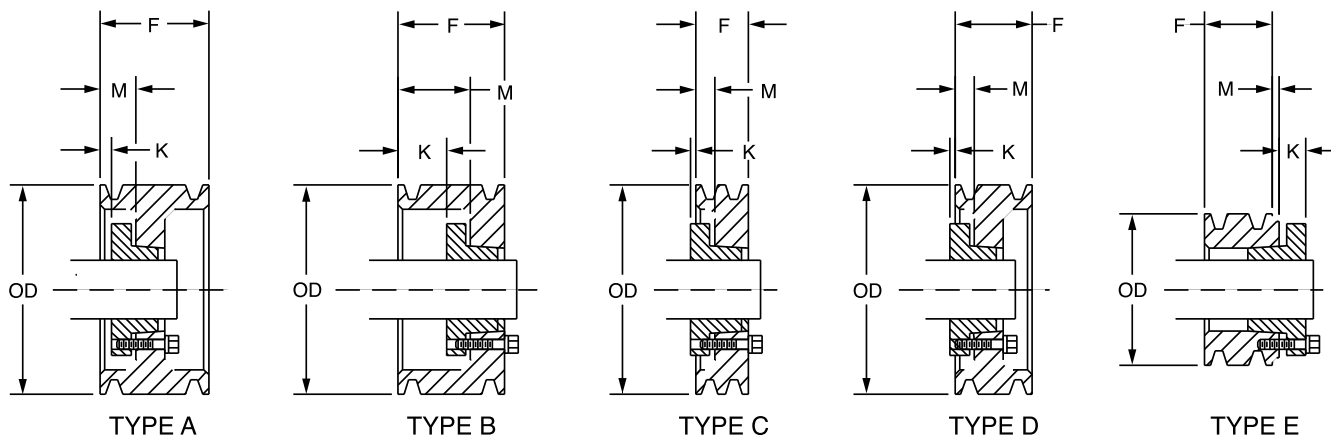
8-Groove						F = 9.38
O.D.Δ	Part No.	Description	Wt.	Type‡	M	K
12.5	455458	8/8V12.5-J	115.0	A1	3.56	1.96
13.2	455459	8/8V13.2-J	129.0	A2	3.56	1.96
14.0	455460	8/8V14.0-J	146.0	A2	3.56	1.96
15.0	455461	8/8V15.0-J	144.0	A2	3.56	1.96
16.0	455462	8/8V16.0-J	158.0	A2	3.56	1.96
17.0	455463	8/8V17.0-M	214.0	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 PT4-2.

Selection/Dimensions

8V QD Sheaves



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

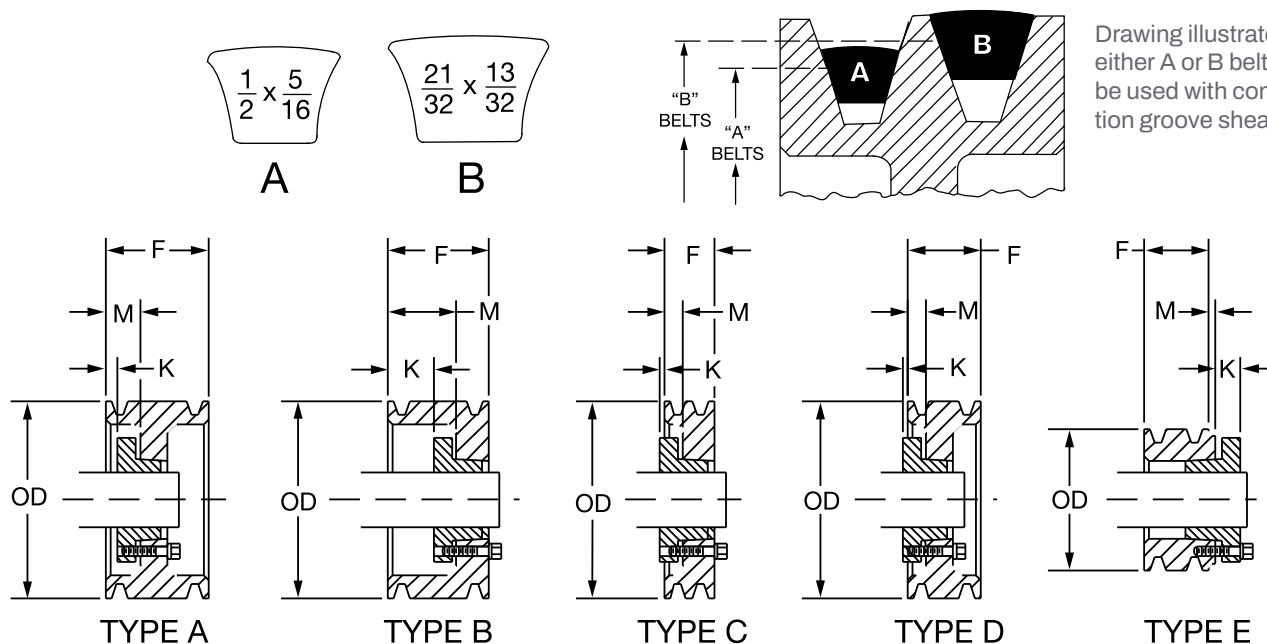
Δ Pitch diameter = O.D. - .20"

‡ Type 1 = Block Type, 2 = Web, 3 = Arm - See page PT4-2.

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

Selection/Dimensions

A/B QD Sheaves



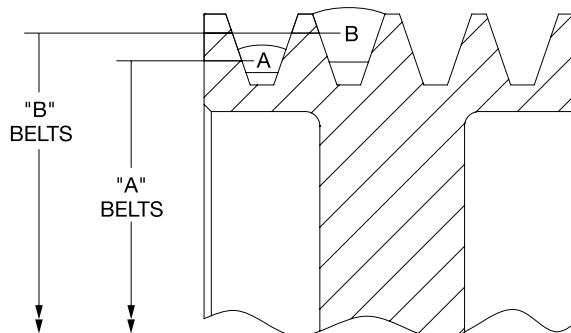
Drawing illustrates how either A or B belts may be used with combination groove sheaves.

1-Groove							2-Groove						
F = .84 A3.2 thru A4.0 B4.4							F = 1.75						
O.D.Δ	Part No.	Description	Wt.	Type±	M	K	O.D.Δ	Part No.	Description	Wt.	Type±	M	K
3.75	118283	1A3.0B3.4-SH	2.0	E1	0.44	0.68	3.75	455576	2A3.0B3.4-SH	3.2	E1	0.38	0.68
3.95	118284	1A3.2B3.6-SH	2.2	D1	0.05	0.63	3.95	455577	2A3.2B3.6-SH	3.4	E1	0.00	0.68
4.15	118285	1A3.4B3.8-SH	2.4	D1	0.05	0.63	4.15	455578	2A3.4B3.8-SH	3.9	E1	0.00	0.68
4.35	118286	1A3.6B4.0-SH	2.7	D1	0.05	0.63	4.35	455579	2A3.6B4.0-SH	3.8	A1	0.94	0.26
4.55	455550	1A3.8B4.2-SH	2.9	D1	0.05	0.63	4.55	455580	2A3.8B4.2-SH	4.4	A1	0.94	0.26
4.75	455551	1A4.0B4.4-SH	3.4	D1	0.05	0.63	4.75	455581	2A4.0B4.4-SH	4.6	A1	0.94	0.26
4.95	455552	1A4.2B4.6-SDS	4.0	D1	0.14	0.55	4.95	455582	2A4.2B4.6-SDS	5.0	A1	1.00	0.30
5.15	455553	1A4.4B4.8-SDS	4.0	D1	0.14	0.55	5.15	455583	2A4.4B4.8-SDS	4.1	A1	1.00	0.30
5.35	455554	1A4.6B5.0-SDS	4.0	D1	0.14	0.55	5.35	455584	2A4.6B5.0-SDS	6.0	A1	1.00	0.30
5.55	455555	1A4.8B5.2-SDS	5.0	D1	0.14	0.55	5.55	455585	2A4.8B5.2-SDS	7.0	A1	1.00	0.30
5.75	455556	1A5.0B5.4-SDS	5.0	D1	0.14	0.55	5.75	455586	2A5.0B5.4-SDS	7.0	A1	1.00	0.30
5.95	455557	1A5.2B5.6-SDS	6.0	C1	0.25	0.45	5.95	455587	2A5.2B5.6-SDS	7.0	A1	0.81	0.12
6.15	455558	1A5.4B5.8-SDS	6.0	C1	0.25	0.45	6.15	455588	2A5.4B5.8-SDS	7.0	D1	0.69	0.01
6.35	455559	1A5.6B6.0-SDS	6.0	C1	0.25	0.45	6.35	455589	2A5.6B6.0-SDS	7.0	D1	0.69	0.01
6.55	455560	1A5.8B6.2-SDS	6.0	C1	0.25	0.45	6.55	455590	2A5.8B6.2-SDS	6.3	D1	0.69	0.01
6.75	455561	1A6.0B6.4-SDS	6.0	C1	0.25	0.45	6.75	455591	2A6.0B6.4-SDS	8.0	D1	0.69	0.01
6.95	455562	1A6.2B6.6-SDS	7.0	C1	0.25	0.45	6.95	455592	2A6.2B6.6-SDS	8.2	D1	0.69	0.01
7.15	455563	1A6.4B6.8-SDS	7.0	C1	0.25	0.45	7.15	455593	2A6.4B6.8-SDS	9.0	D1	0.69	0.01
7.35	455564	1A6.6B7.0-SDS	7.5	D1	0.13	0.57	7.35	455594	2A6.6B7.0-SK	10.0	C1	0.50	0.39
7.55	455565	1A7.0B7.4-SDS	8.0	C1	0.25	0.45	7.75	455595	2A7.0B7.4-SK	11.0	C1	0.50	0.39
8.35	455566	1A7.6B8.0-SDS	8.0	D1	0.13	0.57	8.35	455596	2A7.6B8.0-SK	11.0	D2	0.44	0.46
8.95	455567	1A8.2B8.6-SDS	8.0	D2	0.13	0.57	8.95	455597	2A8.2B8.6-SK	12.0	D2	0.44	0.46
9.75	455568	1A9.0B9.4-SDS	8.0	D2	0.13	0.57	9.75	455598	2A9.0B9.4-SK	12.0	D2	0.44	0.46
11.35	455569	1A10.6B11.0-SDS	10.0	D2	0.13	0.57	11.35	455599	2A10.6B11.0-SK	14.0	D2	0.44	0.46
12.75	455570	1A12.0B12.4-SDS	11.0	D3	0.13	0.57	12.75	455600	2A12.0B12.4-SK	18.0	D3	0.44	0.46
13.95	455571	1A13.2B13.6-SDS	13.0	D3	0.06	0.63	13.95	455601	2A13.2B13.6-SK	19.0	D3	0.38	0.52
15.75	455572	1A15.0B15.4-SK	16.0	C3	0.06	0.83	15.75	455602	2A15.0B15.4-SK	24.0	D3	0.44	0.46
16.35	455573	1A15.6B16.0-SK	17.0	C3	0.00	0.89	16.35	455603	2A15.6B16.0-SK	22.0	D3	0.44	0.46
18.75	455574	1A18.0B18.4-SK	18.0	C3	0.00	0.89	18.75	455604	2A18.0B18.4-SK	29.0	D3	0.31	0.58
20.35	455575	1B20.0-SK	18.0	C3	0.00	0.89	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

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 PT4-2.

Selection/Dimensions

A/B QD Sheaves



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 PT4-2.

Selection/Dimensions

A/B QD Sheaves

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

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

Δ P.D. for "A" Belts = O.D. - .37"

P.D. for "B" Belts = O.D. + .01"

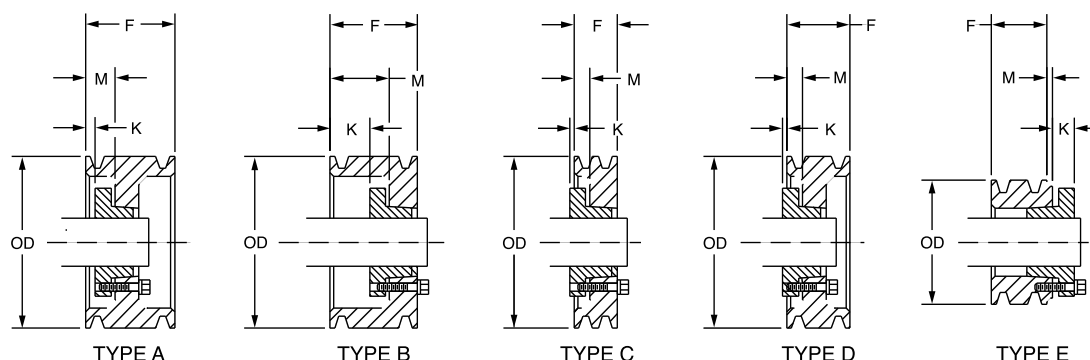
‡ Type 1 = Block Type, 2 = Web, 3 = Arm - See page PT4-2.

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

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

Selection/Dimensions

C QD Sheaves



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	2C9.0-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 PT4-2.

+ Recommended CX Belt only

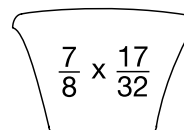
Selection/Dimensions

C QD Sheaves

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
7.9	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	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	6C8.5-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 PT4-2.

+ Recommended CX Belt only

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.

Selection

Custom-Made Sheaves and Sprockets

V-Belt Sheaves and Synchronous Sprockets

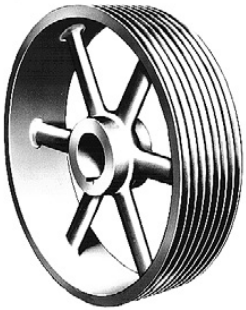
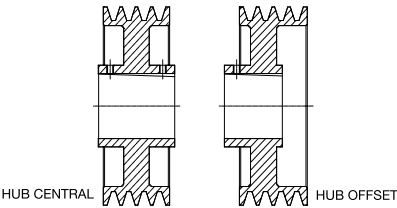
Standard stock products offer the best value for most power transmission operations. But, for requirements that cannot be served with stock products, Dodge manufactures custom-made sheaves and synchronous belt sprockets.

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



V-Belt
Sheaves

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.

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 = .262 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 = $\frac{15600}{\sqrt{\text{Dia} \times \text{Face Width}}}$
for Sheave/Sprocket $\diamond$

$\diamond$ Note: MPTA recommends Dynamic balance application RPM exceeds this value

Light duty fixed and bush type

Fixed bore: MA, 2MA, MB, 2MB:

Features

- All products have two setscrews, resulting in a tighter grip and improved performance.
- Bore range 1/2" to 1-7/16"
- 1 and 2 grooves, A-B and 3L-4L-5L belts

Note: Metric, or additional special bores, are made to order items. Contact Dodge for price and delivery. For immediate use, Dodge suggests using an MAL, MBL, 2MAL or 2MBL for a stock product.

How to order

Example: **2MB65X1-1/8**

2MB65 X 1-1/8

2MB65: Sheave size

1-1/8: Bore size (1-1/8")

Inch bore sizes are designated with the whole inch followed by the fraction. For example, a 1.5" diameter bore would be 1-1/2". Metric bore sizes are designated with mm after the metric dimension (X 25mm).

Bush type: MAL, 2MAL, MBL, 2MBL:

Features

- Can handle up to 20 Hp @ 1750 RPM
- Bore range 1/2" to 1-7/16"
- 1 and 2 grooves, A-B and 3L-4L-5L belts



Light duty fixed bore

MA (A and 3L-4L V-belts)

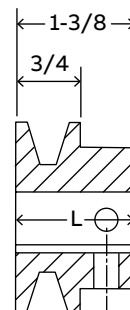
1 groove

Part number	Cross reference	D.D. (3L) belts	D.D. A (4L) belts	O.D.	Type	L	Maximum bore	Approximate weight
MA15*	–	–	1.30	1.55	1B	1-1/4	5/8	0.4
MA18*	AK17	–	1.50	1.75	1B	1-3/8	3/4	0.4
MA20	AK20	1.41	1.75	2.00	1B	1-3/8	7/8	0.7
MA21	AK21	1.51	1.85	2.10	1B	1-3/8	7/8	0.7
MA22	AK22	1.61	1.95	2.20	1B	1-3/8	7/8	0.8
MA23	AK23	1.71	2.05	2.30	1B	1-3/8	1	0.8
MA24	–	1.76	2.10	2.35	1B	1-3/8	7/8	0.8
MA25	AK25	1.91	2.25	2.50	2B	1-1/4	1-1/8	0.9
MA26	AK26	2.01	2.35	2.60	2B	1-1/4	1-1/8	0.9
MA27	AK27	2.11	2.45	2.70	2B	1-1/4	1-1/8	0.9
MA28	AK28	2.21	2.55	2.80	2B	1-1/4	1-1/8	0.9
MA30	AK30	2.46	2.80	3.05	2B	1-1/4	1-1/8	1.2
MA33	AK32	2.66	3.00	3.25	2B	1-1/4	1-1/8	1.5
MA35	AK34	2.86	3.20	3.45	2B	1-1/4	1-1/8	1.4
MA38	AK39	3.16	3.50	3.75	2W	1-1/8	1-1/8	1.5
MA40	AK41	3.36	3.70	3.95	2W	1-1/8	1-3/16	2.0
MA43	AK44	3.66	4.00	4.25	2W	1-1/8	1-3/16	2.0
MA45	AK46	3.86	4.20	4.45	2W	1-1/8	1-3/16	2.0
MA48	AK49	4.16	4.50	4.75	1A	1-3/8	1-3/16	2.0
MA50	AK51	4.36	4.70	4.95	1A	1-3/8	1-3/16	2.0
MA53	AK54	4.66	5.00	5.25	1A	1-3/8	1-3/16	2.5
MA55	AK56	4.86	5.20	5.45	1A	1-3/8	1-3/16	2.5
MA58	AK59	5.16	5.50	5.75	1A	1-3/8	1-3/16	2.5
MA60	AK61	5.36	5.70	5.95	1A	1-3/8	1-3/16	3.0
MA63	AK64	5.66	6.00	6.25	1A	1-3/8	1-1/4	3.0
MA65	AK66	5.86	6.20	6.45	1A	1-3/8	1-1/4	3.0
MA68	AK69	6.16	6.50	6.75	1A	1-3/8	1-1/4	3.0
MA70	AK71	6.36	6.70	6.95	1A	1-3/8	1-7/16	3.5
MA73	AK74	6.66	7.00	7.25	1A	1-3/8	1-7/16	3.5
MA78	AK79	7.16	7.50	7.75	1A	1-3/8	1-7/16	3.5
MA80	–	7.41	7.75	8.00	1A	1-3/8	1-7/16	3.5
MA83	AK84	7.66	8.00	8.25	1A	1-3/8	1-7/16	4.4
MA88	AK89	8.16	8.50	8.75	1A	1-3/8	1-7/16	4.5
MA90	–	8.41	8.75	9.00	1A	1-3/8	1-7/16	4.5
MA93	AK94	8.66	9.00	9.25	1A	1-3/8	1-7/16	5.4
MA98	AK99	9.16	9.50	9.75	1A	1-3/8	1-7/16	5.5
MA100	–	9.41	9.75	10.00	1A	1-3/8	1-7/16	5.5
MA103	AK104	9.66	10.00	10.25	1A	1-3/8	1-7/16	6.0
MA108	AK109	10.16	10.50	10.75	1A	1-3/8	1-7/16	6.0
MA110	–	10.41	10.75	11.00	1A	1-3/8	1-5/8	6.5
MA113	AK114	10.66	11.00	11.25	1A	1-3/8	1-7/16	6.5
MA120	–	11.41	11.75	12.00	1A	1-3/8	1-7/16	7.5
MA123	AK124	11.66	12.00	12.25	1A	1-3/8	1-7/16	7.0
MA133	AK134	12.66	13.00	13.25	1A	1-3/8	1-3/4	8.5
MA143	AK144	13.66	14.00	14.25	1A	1-3/8	1-3/4	9.0
MA153	AK155	14.66	15.00	15.25	1A	1-3/8	1-3/4	9.0
MA183	AK184	17.66	18.00	18.25	1A	1-3/8	1-7/8	14.0

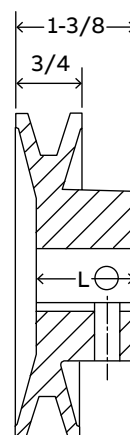
P.D. for "A" (4L) belts = O.D

P.D. for "3L" belts = D.D.+0.25 = O.D.-0.34

* DO NOT use 3L belts with MA15 and MA18 sheaves



Type 1



Type 2

Light duty fixed bore

MA (A and 3L-4L V-belts)

1 groove

Part number	Standard bores part numbers										
	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
MA15*	MA15X1/2	MA15X5/8	-	-	-	-	-	-	-	-	-
MA18*	MA18X1/2	MA18X5/8	MA18X3/4	-	-	-	-	-	-	-	-
MA20	MA20X1/2	MA20X5/8	MA20X3/4	MA20X7/8	-	-	-	-	-	-	-
MA21	MA21X1/2	MA21X5/8	MA21X3/4	-	-	-	-	-	-	-	-
MA22	MA22X1/2	MA22X5/8	MA22X3/4	MA22X7/8	-	-	-	-	-	-	-
MA23	MA23X1/2	MA23X5/8	MA23X3/4	MA23X7/8	-	MA23X1	-	-	-	-	-
MA24	MA24X1/2	MA24X5/8	MA24X3/4	-	-	-	-	-	-	-	-
MA25	MA25X1/2	MA25X5/8	MA25X3/4	MA25X7/8	-	MA25X1	MA25X1-1/8	-	-	-	-
MA26	MA26X1/2	MA26X5/8	MA26X3/4	MA26X7/8	-	MA26X1	-	-	-	-	-
MA27	MA27X1/2	MA27X5/8	MA27X3/4	MA27X7/8	-	MA27X1	-	-	-	-	-
MA28	MA28X1/2	MA28X5/8	MA28X3/4	MA28X7/8	-	MA28X1	MA28X1-1/8	-	-	-	-
MA30	MA30X1/2	MA30X5/8	MA30X3/4	MA30X7/8	-	MA30X1	MA30X1-1/8	-	-	-	-
MA33	MA33X1/2	MA33X5/8	MA33X3/4	MA33X7/8	-	MA33X1	MA33X1-1/8	-	-	-	-
MA35	MA35X1/2	MA35X5/8	MA35X3/4	MA35X7/8	-	MA35X1	MA35X1-1/8	-	-	-	-
MA38	MA38X1/2	MA38X5/8	MA38X3/4	MA38X7/8	MA38X15/16	MA38X1	MA38X1-1/8	-	-	-	-
MA40	MA40X1/2	MA40X5/8	MA40X3/4	MA40X7/8	MA40X15/16	MA40X1	MA40X1-1/8	-	-	-	-
MA43	MA43X1/2	MA43X5/8	MA43X3/4	MA43X7/8	MA43X15/16	MA43X1	MA43X1-1/8	-	-	-	-
MA45	MA45X1/2	MA45X5/8	MA45X3/4	MA45X7/8	MA45X15/16	MA45X1	MA45X1-1/8	-	-	-	-
MA48	MA48X1/2	MA48X5/8	MA48X3/4	MA48X7/8	MA48X15/16	MA48X1	MA48X1-1/8	-	-	-	-
MA50	MA50X1/2	MA50X5/8	MA50X3/4	MA50X7/8	-	MA50X1	MA50X1-1/8	MA50X1-3/16	-	-	-
MA53	MA53X1/2	MA53X5/8	MA53X3/4	MA53X7/8	MA53X15/16	MA53X1	MA53X1-1/8	MA53X1-3/16	-	-	-
MA55	MA55X1/2	MA55X5/8	MA55X3/4	MA55X7/8	MA55X15/16	MA55X1	MA55X1-1/8	MA55X1-3/16	-	-	-
MA58	MA58X1/2	MA58X5/8	MA58X3/4	MA58X7/8	MA58X15/16	MA58X1	MA58X1-1/8	MA58X1-3/16	-	-	-
MA60	MA60X1/2	MA60X5/8	MA60X3/4	MA60X7/8	MA60X15/16	MA60X1	MA60X1-1/8	MA60X1-3/16	-	-	-
MA63	MA63X1/2	MA63X5/8	MA63X3/4	MA63X7/8	MA63X15/16	MA63X1	MA63X1-1/8	MA63X1-3/16	-	-	-
MA65	MA65X1/2	MA65X5/8	MA65X3/4	MA65X7/8	-	MA65X1	MA65X1-1/8	-	-	-	-
MA68	-	MA68X5/8	MA68X3/4	-	-	MA68X1	MA68X1-1/8	-	-	-	-
MA70	MA70X1/2	MA70X5/8	MA70X3/4	MA70X7/8	-	MA70X1	MA70X1-1/8	MA70X1-3/16	-	-	MA70X1-7/16
MA73	MA73X1/2	MA73X5/8	MA73X3/4	MA73X7/8	-	MA73X1	MA73X1-1/8	MA73X1-3/16	MA73X1-1/4	-	MA73X1-7/16
MA78	-	MA78X5/8	MA78X3/4	MA78X7/8	-	MA78X1	MA78X1-1/8	-	-	-	MA78X1-7/16
MA80	MA80X1/2	MA80X5/8	MA80X3/4	MA80X7/8	-	MA80X1	MA80X1-1/8	-	MA80X1-1/4	-	-
MA83	MA83X1/2	MA83X5/8	MA83X3/4	MA83X7/8	-	MA83X1	MA83X1-1/8	MA83X1-3/16	-	-	MA83X1-7/16
MA88	-	-	MA88X3/4	-	-	MA88X1	MA88X1-1/8	-	-	-	MA88X1-7/16
MA90	-	MA90X5/8	MA90X3/4	-	-	MA90X1	-	-	-	-	-
MA93	MA93X1/2	MA93X5/8	MA93X3/4	-	MA93X15/16	MA93X1	MA93X1-1/8	MA93X1-3/16	MA93X1-1/4	-	MA93X1-7/16
MA98	-	-	MA98X3/4	-	-	MA98X1	-	-	-	-	MA98X1-7/16
MA100	-	MA100X5/8	MA100X3/4	MA100X7/8	-	MA100X1	MA100X1-1/8	-	-	-	-
MA103	-	MA103X5/8	MA103X3/4	-	-	MA103X1	-	MA103X1-3/16	-	-	-
MA108	-	-	-	-	-	MA108X1	-	-	-	-	-
MA110	-	-	MA110X3/4	-	-	MA110X1	-	-	-	-	-
MA113	-	-	MA113X3/4	MA113X7/8	-	MA113X1	-	MA113X1-3/16	-	-	MA113X1-7/16
MA120	MA120X1/2	MA120X5/8	MA120X3/4	MA120X7/8	-	MA120X1	-	MA120X1-3/16	-	-	-
MA123	-	MA123X5/8	MA123X3/4	-	-	MA123X1	-	MA123X1-3/16	MA123X1-1/4	-	MA123X1-7/16
MA133	-	-	MA133X3/4	-	-	MA133X1	-	MA133X1-3/16	-	MA133X1-3/8	MA133X1-7/16
MA143	-	MA143X5/8	MA143X3/4	MA143X7/8	-	MA143X1	-	MA143X1-3/16	-	-	MA143X1-7/16
MA153	-	MA153X5/8	MA153X3/4	-	-	MA153X1	-	MA153X1-3/16	-	MA153X1-3/8	MA153X1-7/16
MA183	-	-	MA183X3/4	-	-	MA183X1	-	MA183X1-3/16	-	-	MA183X1-7/16

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

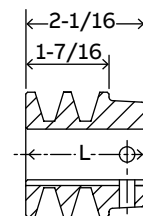
Light duty fixed bore

2MA (A V-belts)

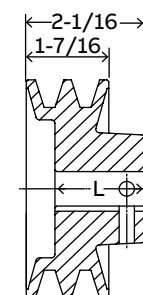
2 grooves

Part number	Cross reference	D.D. A belts	O.D.	Type	L	Maximum bore	Approximate weight
2MA20	2AK20	1.75	2.00	3B	2-1/16	3/4	1.0
2MA22	2AK21	1.90	2.15	3B	2-1/16	7/8	1.0
2MA23	2AK22	2.00	2.25	3B	2-1/16	1	1.0
2MA24	2AK23	2.10	2.35	4B	1-7/8	1-1/8	1.0
2MA25	2AK25	2.30	2.55	4B	1-11/16	1-1/8	1.5
2MA27	2AK26	2.40	2.65	4B	1-7/8	1-1/8	1.5
2MA28	2AK27	2.50	2.75	4B	1-11/16	1-1/8	1.5
2MA29	2AK28	2.60	2.85	4B	1-11/16	1-1/8	1.5
2MA30	2AK30	2.80	3.05	4B	1-11/16	1-1/8	2.0
2MA33	2AK32	3.00	3.25	4B	1-5/8	1-1/8	2.0
2MA35	2AK34	3.20	3.45	4B	1-5/8	1-1/8	2.5
2MA38	2AK39	3.50	3.75	4B	1-5/8	1-3/16	3.0
2MA40	2AK41	3.70	3.95	4W	1-9/16	1-3/16	3.0
2MA43	2AK44	4.00	4.25	4W	1-9/16	1-3/16	3.0
2MA45	2AK46	4.20	4.45	4W	1-11/16	1-3/16	4.0
2MA48	2AK49	4.50	4.75	4W	1-9/16	1-3/8	3.5
2MA50	2AK51	4.70	4.95	4W	1-9/16	1-3/16	4.0
2MA53	2AK54	5.00	5.25	4W	1-9/16	1-3/8	4.0
2MA55	2AK56	5.20	5.45	4W	1-9/16	1-3/8	5.0
2MA58	2AK59	5.50	5.75	4W	1-9/16	1-3/8	5.0
2MA60	2AK61	5.70	5.95	4W	1-11/16	1-3/8	6.0
2MA63	2AK64	6.00	6.25	4A	1-9/16	1-7/16	5.5
2MA70	-	6.75	7.00	4A	1-9/16	1-7/16	6.0
2MA73	2AK74	7.00	7.25	4A	1-9/16	1-7/16	6.0
2MA80	-	7.75	8.00	4A	1-9/16	1-7/16	7.0
2MA83	2AK84	8.00	8.25	4A	1-9/16	1-7/16	8.0
2MA90	-	8.75	9.00	4A	1-9/16	1-7/16	8.5
2MA93	2AK94	9.00	9.25	4A	1-9/16	1-7/16	9.0
2MA100	-	9.75	10.00	4A	1-9/16	1-7/16	9.0
2MA103	2AK104	10.00	10.25	4A	1-9/16	1-7/16	10.0
2MA110	-	10.75	11.00	4A	1-9/16	1-7/16	10.0
2MA113	2AK114	11.00	11.25	4A	1-9/16	1-7/16	11.0
2MA120	-	11.75	12.00	4A	1-9/16	1-7/16	11.0
2MA123	2AK124	12.00	12.25	4A	1-19/32	1-7/16	12.0
2MA133	2AK134	13.00	13.25	4A	1-19/32	1-7/16	14.0
2MA143	2AK144	14.00	14.25	4A	1-9/16	1-7/16	15.0
2MA153	2AK155	15.00	15.25	4A	1-9/16	1-7/16	17.0
2MA183	2AK184	18.00	18.25	4A	1-17/32	1-7/16	19.0

P.D. for "A" belts = O.D.



Type 3



Type 4

Keyseat information

Bore range	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" - 1-3/4"	3/8" X 3/16"

Light duty fixed bore

2MA (A V-belts)

2 grooves

Part number	Standard bores part numbers										
	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
2MA20	2MA20X1/2	2MA20X5/8	2MA20X3/4	2MA20X7/8	-	-	-	-	-	-	-
2MA22	2MA22X1/2	2MA22X5/8	2MA22X3/4	-	-	-	-	-	-	-	-
2MA23	2MA23X1/2	2MA23X5/8	2MA23X3/4	2MA23X7/8	-	2MA23X1	-	-	-	-	-
2MA24	-	2MA24X5/8	2MA24X3/4	2MA24X7/8	-	2MA24X1	-	-	-	-	-
2MA25	2MA25X1/2	2MA25X5/8	2MA25X3/4	2MA25X7/8	-	2MA25X1	2MA25X1-1/8	-	-	-	-
2MA27	2MA27X1/2	2MA27X5/8	2MA27X3/4	2MA27X7/8	-	2MA27X1	-	-	-	-	-
2MA28	-	2MA28X5/8	2MA28X3/4	2MA28X7/8	-	2MA28X1	2MA28X1-1/8	-	-	-	-
2MA29	-	2MA29X5/8	2MA29X3/4	2MA29X7/8	-	2MA29X1	-	-	-	-	-
2MA30	2MA30X1/2	2MA30X5/8	2MA30X3/4	2MA30X7/8	-	2MA30X1	2MA30X1-1/8	-	-	-	-
2MA33	-	2MA33X5/8	2MA33X3/4	2MA33X7/8	-	2MA33X1	2MA33X1-1/8	-	-	-	-
2MA35	2MA35X1/2	2MA35X5/8	2MA35X3/4	2MA35X7/8	-	2MA35X1	2MA35X1-1/8	-	-	-	-
2MA38	-	2MA38X5/8	2MA38X3/4	2MA38X7/8	-	2MA38X1	2MA38X1-1/8	-	-	-	-
2MA40	-	2MA40X5/8	2MA40X3/4	2MA40X7/8	-	2MA40X1	2MA40X1-1/8	-	-	-	-
2MA43	-	2MA43X5/8	2MA43X3/4	2MA43X7/8	-	2MA43X1	2MA43X1-1/8	-	-	-	-
2MA45	-	2MA45X5/8	2MA45X3/4	2MA45X7/8	-	2MA45X1	2MA45X1-1/8	-	-	-	-
2MA48	-	-	2MA48X3/4	2MA48X7/8	-	2MA48X1	2MA48X1-1/8	-	-	2MA48X1-3/8	-
2MA50	-	2MA50X5/8	2MA50X3/4	2MA50X7/8	-	2MA50X1	2MA50X1-1/8	-	-	2MA50X1-3/8	-
2MA53	-	2MA53X5/8	2MA53X3/4	2MA53X7/8	-	2MA53X1	2MA53X1-1/8	-	-	2MA53X1-3/8	-
2MA55	-	2MA55X5/8	2MA55X3/4	2MA55X7/8	-	2MA55X1	2MA55X1-1/8	-	-	2MA55X1-3/8	-
2MA58	-	-	-	-	-	2MA58X1	2MA58X1-1/8	-	-	2MA58X1-3/8	-
2MA60	-	-	2MA60X3/4	2MA60X7/8	-	2MA60X1	2MA60X1-1/8	-	-	2MA60X1-3/8	-
2MA63	-	-	2MA63X3/4	-	-	2MA63X1	2MA63X1-1/8	2MA63X1-3/16	-	2MA63X1-3/8	2MA63X1-7/16
2MA70	-	-	2MA70X3/4	-	-	2MA70X1	2MA70X1-1/8	-	-	-	-
2MA73	-	-	2MA73X3/4	-	-	2MA73X1	2MA73X1-1/8	2MA73X1-3/16	-	2MA73X1-3/8	2MA73X1-7/16
2MA80	-	-	2MA80X3/4	-	-	2MA80X1	2MA80X1-1/8	-	-	-	-
2MA83	-	-	2MA83X3/4	-	2MA83X15/16	2MA83X1	2MA83X1-1/8	2MA83X1-3/16	-	2MA83X1-3/8	2MA83X1-7/16
2MA90	-	2MA90X5/8	-	-	-	2MA90X1	2MA90X1-1/8	-	-	-	-
2MA93	-	-	2MA93X3/4	-	-	2MA93X1	2MA93X1-1/8	2MA93X1-3/16	-	2MA93X1-3/8	2MA93X1-7/16
2MA100	-	-	-	-	-	2MA100X1	-	-	-	-	-
2MA103	-	-	2MA103X3/4	-	2MA103X15/16	2MA103X1	-	2MA103X1-3/16	-	-	-
2MA110	-	-	-	-	-	-	-	-	-	-	-
2MA113	-	-	2MA113X3/4	-	-	2MA113X1	-	2MA113X1-3/16	-	2MA113X1-3/8	2MA113X1-7/16
2MA120	-	-	-	2MA120X7/8	-	2MA120X1	-	-	-	-	-
2MA123	-	-	2MA123X3/4	-	-	2MA123X1	-	2MA123X1-3/16	-	-	2MA123X1-7/16
2MA133	-	-	-	-	-	-	-	2MA133X1-3/16	-	-	2MA133X1-7/16
2MA143	-	-	-	-	-	2MA143X1	-	2MA143X1-3/16	-	-	2MA143X1-7/16
2MA153	-	-	-	-	-	-	-	2MA153X1-3/16	-	-	2MA153X1-7/16
2MA183	-	-	-	-	-	-	-	2MA183X1-3/16	2MA183X1-1/4	-	2MA183X1-7/16

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Light duty fixed bore

MB (A,B,4L and 5L V-belts)

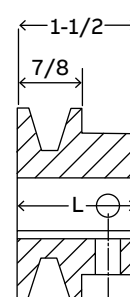
1 groove

Part number	Cross reference	D.D. A (4L) belts	D.D. B (5L) belts	O.D.	Type	L	Maximum bore	Approximate weight
MB20	-	*1.25	1.65	2.00	5B	1-1/2	3/4	0.5
MB23	-	*1.50	1.90	2.25	6B	1-11/35	1	1.0
MB24	BK24	1.65	2.05	2.40	6B	1-1/2	1	1.0
MB25	BK25	*1.75	2.15	2.50	5B	1-1/2	1-1/8	1.0
MB26	BK26	1.85	2.25	2.60	5B	1-1/2	1-1/8	1.0
MB28	BK27	1.95	2.35	2.70	6B	1-3/8	1-1/8	1.0
MB30	BK28	2.20	2.60	2.95	6B	1-3/8	1-1/8	1.0
MB31	BK30	2.40	2.80	3.15	6B	1-3/8	1-1/8	1.0
MB33	-	2.50	2.90	3.25	6B	1-3/8	1-1/8	1.0
MB34	BK32	2.60	3.00	3.35	6B	1-3/8	1-1/8	1.0
MB35	BK34	2.80	3.20	3.55	6B	1-3/8	1-1/8	1.5
MB38	BK36	3.00	3.40	3.75	6B	1-1/4	1-1/8	1.5
MB40	BK40	3.20	3.60	3.95	6B	1-1/4	1-3/16	2.0
MB43	BK45	3.50	3.90	4.25	6W	1-1/4	1-3/16	2.0
MB45	BK47	3.70	4.10	4.45	6W	1-1/4	1-3/16	2.0
MB48	BK50	4.00	4.40	4.75	5W	1-1/2	1-1/4	2.5
MB50	BK52	4.20	4.60	4.95	5W	1-1/2	1-1/4	2.5
MB53	BK55	4.50	4.90	5.25	6W	1-5/16	1-3/16	3.0
MB55	BK57	4.70	5.10	5.45	5A	1-1/2	1-1/4	2.5
MB58	BK60	5.00	5.40	5.75	5A	1-1/2	1-3/16	2.5
MB60	BK62	5.20	5.60	5.95	5A	1-1/2	1-1/2	2.5
MB63	BK65	5.50	5.90	6.25	5A	1-1/2	1-5/16	3.0
MB65	BK67	5.70	6.10	6.45	5A	1-1/2	1-1/4	3.0
MB68	BK70	6.00	6.40	6.75	5A	1-1/2	1-7/16	4.0
MB70	BK72	6.20	6.60	6.95	5A	1-1/2	1-1/4	3.5
MB73	BK75	6.50	6.90	7.25	5A	1-1/2	1-3/8	3.5
MB75	BK77	6.70	7.10	7.45	5A	1-1/2	1-1/2	4.0
MB78	BK80	7.00	7.40	7.75	5A	1-1/2	1-7/16	4.0
MB80	-	7.25	7.65	8.00	5A	1-1/2	1-7/16	4.0
MB83	BK85	7.50	7.90	8.25	5A	1-1/2	1-7/16	4.5
MB88	BK90	8.00	8.40	8.75	5A	1-1/2	1-7/16	5.0
MB90	-	8.25	8.65	9.00	5A	1-1/2	1-7/16	5.0
MB93	BK95	8.50	8.90	9.25	5A	1-1/2	1-7/16	5.5
MB98	BK100	9.00	9.40	9.75	5A	1-1/2	1-7/16	6.0
MB100	-	9.25	9.65	10.00	5A	1-1/2	1-7/16	6.0
MB103	BK105	9.50	9.90	10.25	5A	1-1/2	1-5/8	6.5
MB108	BK110	10.00	10.40	10.75	5A	1-1/2	1-7/16	7.0
MB110	-	10.25	10.65	11.00	5A	1-1/2	1-5/8	7.0
MB113	BK115	10.50	10.90	11.25	5A	1-1/2	1-5/8	8.0
MB118	BK120	11.00	11.40	11.75	5A	1-1/2	1-5/8	8.0
MB120	-	11.25	11.65	12.00	5A	1-1/2	1-5/8	8.0
MB128	BK130	12.00	12.40	12.75	5A	1-1/2	1-5/8	9.0
MB138	BK140	13.00	13.40	13.75	5A	1-1/2	1-5/8	10.0
MB158	BK160	15.00	15.40	15.75	5A	1-1/2	1-5/8	12.0
MB188	BK190	18.00	18.40	18.75	5A	1-1/2	1-5/8	14.0

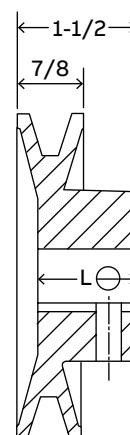
P.D. for "A" (4L) belts = Datum dia. + 0.35" = O.D. - 0.40"

P.D. for "B" (5L) belts = O.D.

* DO NOT use "A" or "4L" belts with these specific bores



Type 5



Type 6

Light duty fixed bore

MB (A,B,4L and 5L V-belts)

1 groove

Part number	Standard bores part numbers										
	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
MB20	MB20X1/2	MB20X5/8	MB20X3/4	-	-	-	-	-	-	-	-
MB23	MB23X1/2	MB23X5/8	MB23X3/4	MB23X7/8	-	MB23X1	-	-	-	-	-
MB24	MB24X1/2	MB24X5/8	MB24X3/4	MB24X7/8	-	-	-	-	-	-	-
MB25	MB25X1/2	MB25X5/8	MB25X3/4	MB25X7/8	-	MB25X1	MB25X1-1/8	-	-	-	-
MB26	MB26X1/2	MB26X5/8	MB26X3/4	MB26X7/8	-	MB26X1	-	-	-	-	-
MB28	MB28X1/2	MB28X5/8	MB28X3/4	MB28X7/8	-	MB28X1	MB28X1-1/8	-	-	-	-
MB30	MB30X1/2	MB30X5/8	MB30X3/4	MB30X7/8	-	MB30X1	MB30X1-1/8	-	-	-	-
MB31	MB31X1/2	MB31X5/8	MB31X3/4	MB31X7/8	-	MB31X1	MB31X1-1/8	-	-	-	-
MB33	MB33X1/2	MB33X5/8	MB33X3/4	MB33X7/8	-	MB33X1	MB33X1-1/8	-	-	-	-
MB34	MB34X1/2	MB34X5/8	MB34X3/4	MB34X7/8	-	MB34X1	MB34X1-1/8	-	-	-	-
MB35	MB35X1/2	MB35X5/8	MB35X3/4	MB35X7/8	-	MB35X1	MB35X1-1/8	-	-	-	-
MB38	MB38X1/2	MB38X5/8	MB38X3/4	MB38X7/8	-	MB38X1	MB38X1-1/8	-	-	-	-
MB40	MB40X1/2	MB40X5/8	MB40X3/4	MB40X7/8	-	MB40X1	MB40X1-1/8	MB40X1-3/16	-	-	-
MB43	MB43X1/2	MB43X5/8	MB43X3/4	MB43X7/8	-	MB43X1	MB43X1-1/8	-	-	-	-
MB45	MB45X1/2	MB45X5/8	MB45X3/4	MB45X7/8	-	MB45X1	MB45X1-1/8	-	-	-	-
MB48	MB48X1/2	MB48X5/8	MB48X3/4	MB48X7/8	MB48X15/16	MB48X1	MB48X1-1/8	-	-	-	-
MB50	MB50X1/2	MB50X5/8	MB50X3/4	MB50X7/8	-	MB50X1	MB50X1-1/8	MB50X1-3/16	-	-	-
MB53	MB53X1/2	MB53X5/8	MB53X3/4	MB53X7/8	-	MB53X1	MB53X1-1/8	MB53X1-3/16	-	-	-
MB55	-	MB55X5/8	MB55X3/4	MB55X7/8	MB55X15/16	MB55X1	MB55X1-1/8	MB55X1-3/16	MB55X1-1/4	-	-
MB58	-	MB58X5/8	MB58X3/4	MB58X7/8	-	MB58X1	MB58X1-1/8	MB58X1-3/16	-	-	-
MB60	MB60X1/2	MB60X5/8	MB60X3/4	MB60X7/8	MB60X15/16	MB60X1	MB60X1-1/8	MB60X1-3/16	-	-	-
MB63	-	MB63X5/8	MB63X3/4	-	-	MB63X1	MB63X1-1/8	-	-	-	-
MB65	-	MB65X5/8	MB65X3/4	MB65X7/8	-	MB65X1	MB65X1-1/8	-	-	-	-
MB68	-	MB68X5/8	MB68X3/4	-	MB68X15/16	MB68X1	MB68X1-1/8	MB68X1-3/16	-	-	MB68X1-7/16
MB70	-	-	MB70X3/4	-	-	MB70X1	MB70X1-1/8	MB70X1-3/16	-	MB70X1-3/8	MB70X1-7/16
MB73	-	-	MB73X3/4	-	-	MB73X1	MB73X1-1/8	MB73X1-3/16	-	MB73X1-3/8	-
MB75	-	-	MB75X3/4	-	-	MB75X1	MB75X1-1/8	-	-	MB75X1-3/8	-
MB78	-	MB78X5/8	MB78X3/4	MB78X7/8	-	MB78X1	MB78X1-1/8	MB78X1-3/16	MB78X1-1/4	MB78X1-3/8	MB78X1-7/16
MB80	-	-	MB80X3/4	MB80X7/8	-	MB80X1	MB80X1-1/8	-	-	-	-
MB83	-	-	MB83X3/4	-	-	MB83X1	MB83X1-1/8	-	-	MB83X1-3/8	MB83X1-7/16
MB88	-	MB88X5/8	MB88X3/4	MB88X7/8	MB88X15/16	MB88X1	MB88X1-1/8	MB88X1-3/16	-	MB88X1-3/8	MB88X1-7/16
MB90	-	-	MB90X3/4	-	-	MB90X1	-	-	-	-	MB90X1-7/16
MB93	-	-	MB93X3/4	-	-	MB93X1	MB93X1-1/8	-	-	MB93X1-3/8	MB93X1-7/16
MB98	-	-	MB98X3/4	MB98X7/8	MB98X15/16	MB98X1	MB98X1-1/8	MB98X1-3/16	MB98X1-1/4	MB98X1-3/8	MB98X1-7/16
MB100	-	MB100X5/8	MB100X3/4	-	-	MB100X1	MB100X1-1/8	MB100X1-3/16	-	MB100X1-3/8	-
MB103	-	-	-	-	-	MB103X1	-	-	-	MB103X1-3/8	MB103X1-7/16
MB108	-	-	MB108X3/4	-	-	MB108X1	MB108X1-1/8	MB108X1-3/16	-	MB108X1-3/8	MB108X1-7/16
MB110	-	-	-	-	-	MB110X1	-	-	-	-	MB110X1-7/16
MB113	-	-	MB113X3/4	-	-	MB113X1	-	-	-	MB113X1-3/8	MB113X1-7/16
MB118	-	-	MB118X3/4	-	-	MB118X1	-	MB118X1-3/16	MB118X1-1/4	MB118X1-3/8	MB118X1-7/16
MB120	-	-	-	-	-	MB120X1	-	MB120X1-3/16	-	-	MB120X1-7/16
MB128	-	-	MB128X3/4	-	-	MB128X1	MB128X1-1/8	MB128X1-3/16	MB128X1-1/4	-	MB128X1-7/16
MB138	-	-	MB138X3/4	-	-	MB138X1	MB138X1-1/8	MB138X1-3/16	-	-	MB138X1-7/16
MB158	-	-	-	-	-	MB158X1	MB158X1-1/8	MB158X1-3/16	MB158X1-1/4	-	MB158X1-7/16
MB188	-	-	-	-	-	MB188X1	-	MB188X1-3/16	MB188X1-1/4	-	MB188X1-7/16

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Light duty fixed bore

2MB (A and B V-belts)

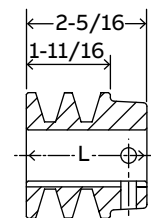
2 grooves

Part number	Cross reference	D.D. A belts	D.D. B belts	O.D.	Type	L	Maximum bore	Approximate weight
2MB20	–	*1.35	1.75	2.00	7B	2-1/8	7/8	1.0
2MB23	–	*1.60	2.00	2.25	8B	2-5/16	7/8	1.0
2MB25	2BK25	*1.90	2.30	2.50	7B	2-5/16	1-1/8	1.5
2MB28	2BK27	2.10	2.50	2.70	8B	1-15/16	1-1/8	1.5
2MB30	2BK28	2.20	2.60	2.95	8B	1-15/16	1-1/8	2.0
2MB32	2BK30	2.40	2.80	3.15	8B	1-7/8	1-1/8	2.0
2MB33	–	2.50	2.90	3.25	8B	1-7/8	1-1/8	2.0
2MB34	2BK32	2.60	3.00	3.35	8B	1-15/16	1-1/8	3.0
2MB35	2BK34	2.80	3.20	3.55	8B	1-7/8	1-1/8	2.5
2MB38	2BK36	3.00	3.40	3.75	8B	1-7/8	1-3/8	3.0
2MB40	2BK40	3.20	3.60	3.95	8B	1-11/16	1-3/16	3.0
2MB43	2BK45	3.50	3.90	4.25	8W	1-13/16	1-3/8	4.0
2MB45	2BK47	3.70	4.10	4.45	8W	1-13/16	1-1/4	4.0
2MB48	2BK50	4.00	4.40	4.75	8W	1-13/16	1-1/4	4.0
2MB50	2BK52	4.20	4.60	4.95	8W	1-11/16	1-1/4	4.5
2MB53	2BK55	4.50	4.90	5.25	8W	1-13/16	1-3/8	5.0
2MB55	2BK57	4.70	5.10	5.45	8W	1-13/16	1-3/8	5.0
2MB58	2BK60	5.00	5.40	5.75	8W	1-13/16	1-3/8	5.0
2MB60	2BK62	5.20	5.60	5.95	8W	1-13/16	1-3/8	6.0
2MB63	2BK65	5.50	5.90	6.25	8A	1-13/16	1-11/16	6.0
2MB65	2BK67	5.70	6.10	6.45	8A	1-11/16	1-11/16	6.0
2MB68	2BK70	6.00	6.40	6.75	8A	1-13/16	1-11/16	6.0
2MB70	–	6.25	6.65	7.00	8A	1-13/16	1-11/16	6.0
2MB78	2BK80	7.00	7.40	7.75	8A	1-13/16	1-11/16	7.0
2MB80	–	7.25	7.65	8.00	8A	1-13/16	1-11/16	8.0
2MB88	2BK90	8.00	8.40	8.75	8A	1-13/16	1-11/16	8.0
2MB90	–	8.25	8.65	9.00	8A	1-11/16	1-11/16	9.0
2MB98	2BK100	9.00	9.40	9.75	8A	1-13/16	1-11/16	10.0
2MB100	–	9.25	9.65	10.00	8A	1-13/16	1-11/16	10.0
2MB108	2BK110	10.00	10.40	10.75	8A	1-13/16	1-11/16	13.0
2MB110	–	10.25	10.65	11.00	8A	1-13/16	1-11/16	13.0
2MB118	2BK120	11.00	11.40	11.75	8A	1-13/16	1-11/16	10.0
2MB120	–	11.25	11.65	12.00	8A	1-11/16	1-11/16	15.0
2MB128	2BK130	12.00	12.40	12.75	8A	1-13/16	1-7/8	15.0
2MB138	2BK140	13.00	13.40	13.75	8A	1-13/16	1-7/8	17.0
2MB158	2BK160	15.00	15.40	15.75	8A	1-13/16	1-7/8	18.0
2MB188	2BK190	18.00	18.40	18.75	8A	1-13/16	1-7/8	26.0

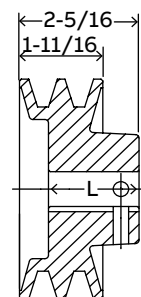
P.D. for "A" belts = Datum dia. + 0.35" = O.D. - 0.40"

P.D. for "B" belts = O.D.

* DO NOT use "A" belts with these specific bores



Type 7



Type 8

Keyseat information

Bore range	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" - 1-3/4"	3/8" X 3/16"

Light duty fixed bore

2MB (A and B V-belts)

2 grooves

Part number	Standard bores part numbers										
	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
2MB20	2MB20X1/2	2MB20X5/8	2MB20X3/4	2MB20X7/8	-	-	-	-	-	-	-
2MB23	-	2MB23X5/8	-	2MB23X7/8	-	-	-	-	-	-	-
2MB25	2MB25X1/2	2MB25X5/8	2MB25X3/4	2MB25X7/8	-	2MB25X1	2MB25X1-1/8	-	-	-	-
2MB28	2MB28X1/2	2MB28X5/8	2MB28X3/4	2MB28X7/8	-	2MB28X1	2MB28X1-1/8	-	-	-	-
2MB30	2MB30X1/2	2MB30X5/8	2MB30X3/4	2MB30X7/8	-	2MB30X1	2MB30X1-1/8	-	-	2MB30X1-3/8	-
2MB32	2MB32X1/2	2MB32X5/8	2MB32X3/4	2MB32X7/8	-	2MB32X1	2MB32X1-1/8	-	-	-	-
2MB33	-	2MB33X5/8	2MB33X3/4	2MB33X7/8	-	2MB33X1	2MB33X1-1/8	-	-	-	-
2MB34	-	2MB34X5/8	-	2MB34X7/8	-	2MB34X1	2MB34X1-1/8	-	-	-	-
2MB35	-	2MB35X5/8	2MB35X3/4	2MB35X7/8	-	2MB35X1	2MB35X1-1/8	-	-	-	-
2MB38	-	2MB38X5/8	2MB38X3/4	2MB38X7/8	-	2MB38X1	2MB38X1-1/8	-	-	2MB38X1-3/8	-
2MB40	-	2MB40X5/8	2MB40X3/4	2MB40X7/8	-	2MB40X1	2MB40X1-1/8	-	2MB40X1-1/4	2MB40X1-3/8	-
2MB43	-	-	-	-	-	2MB43X1	2MB43X1-1/8	-	-	2MB43X1-3/8	-
2MB45	-	2MB45X5/8	-	2MB45X7/8	-	2MB45X1	2MB45X1-1/8	-	-	-	-
2MB48	-	-	2MB48X3/4	-	-	2MB48X1	2MB48X1-1/8	-	-	2MB48X1-3/8	-
2MB50	-	2MB50X5/8	2MB50X3/4	2MB50X7/8	-	2MB50X1	2MB50X1-1/8	-	2MB50X1-1/4	2MB50X1-3/8	-
2MB53	-	-	-	2MB53X7/8	-	2MB53X1	2MB53X1-1/8	-	-	2MB53X1-3/8	-
2MB55	-	-	2MB55X3/4	2MB55X7/8	-	2MB55X1	2MB55X1-1/8	-	-	2MB55X1-3/8	-
2MB58	-	-	-	-	-	2MB58X1	2MB58X1-1/8	-	-	2MB58X1-3/8	-
2MB60	-	-	-	2MB60X7/8	-	2MB60X1	2MB60X1-1/8	-	-	2MB60X1-3/8	-
2MB63	-	-	2MB63X3/4	-	-	2MB63X1	2MB63X1-1/8	-	-	2MB63X1-3/8	-
2MB65	-	-	2MB65X3/4	-	-	2MB65X1	2MB65X1-1/8	-	-	2MB65X1-3/8	-
2MB68	-	-	-	-	-	2MB68X1	2MB68X1-1/8	2MB68X1-3/16	-	2MB68X1-3/8	2MB68X1-7/16
2MB70	-	-	-	2MB70X7/8	-	2MB70X1	2MB70X1-1/8	-	-	-	-
2MB75	-	-	-	-	-	-	2MB75X1-1/8	-	-	-	-
2MB78	-	-	2MB78X3/4	2MB78X7/8	-	2MB78X1	2MB78X1-1/8	2MB78X1-3/16	2MB78X1-1/4	2MB78X1-3/8	2MB78X1-7/16
2MB80	-	-	-	-	-	2MB80X1	2MB80X1-1/8	-	-	2MB80X1-3/8	-
2MB88	-	-	2MB88X3/4	-	-	2MB88X1	2MB88X1-1/8	2MB88X1-3/16	2MB88X1-1/4	2MB88X1-3/8	2MB88X1-7/16
2MB90	-	-	-	-	-	2MB90X1	-	-	-	-	-
2MB98	-	-	2MB98X3/4	-	-	2MB98X1	2MB98X1-1/8	2MB98X1-3/16	-	-	2MB98X1-7/16
2MB100	-	-	-	-	-	2MB100X1	-	-	2MB100X1-1/4	-	-
2MB108	-	-	-	-	-	2MB108X1	-	2MB108X1-3/16	2MB108X1-1/4	-	2MB108X1-7/16
2MB110	-	-	-	-	-	2MB110X1	-	-	2MB110X1-1/4	-	-
2MB118	-	-	-	-	-	2MB118X1	-	2MB118X1-3/16	2MB118X1-1/4	-	2MB118X1-7/16
2MB120	-	-	-	-	-	2MB120X1	-	-	2MB120X1-1/4	-	-
2MB128	-	-	-	-	-	2MB128X1	-	2MB128X1-3/16	-	-	2MB128X1-7/16
2MB138	-	-	-	-	-	2MB138X1	-	2MB138X1-3/16	2MB138X1-1/4	-	2MB138X1-7/16
2MB158	-	-	-	-	-	2MB158X1	-	2MB158X1-3/16	-	-	2MB158X1-7/16
2MB188	-	-	-	-	-	-	-	2MB188X1-3/16	-	-	2MB188X1-7/16

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Light duty bush type

MAL (A and 3L-4L V-belts)

1 groove

Part number	Cross reference	D.D. (3L) belts	D.D. A (4L) belts	O.D.	Type	Dimensions*				Weight (lbs.)
						E	F	H	M	
MAL30	AK30H	2.46	2.8	3.05	1B	3/8	3/4	1-11/32	31/32	1.15
MAL32	AK32H	2.66	3.0	3.25	1B	3/8	3/4	1-11/32	31/32	1.30
MAL34	AK34H	2.86	3.2	3.45	1B	3/32	3/4	1-11/32	11/16	1.20
MAL37	AK39H	3.16	3.5	3.75	1B	3/32	3/4	1-11/32	11/16	1.50
MAL39	AK41H	3.36	3.7	3.95	1B	3/32	3/4	1-11/32	11/16	1.75
MAL42	AK44H	3.66	4.0	4.25	1B	3/32	3/4	1-11/32	11/16	2.05
MAL44	AK46H	3.86	4.2	4.45	1B	3/32	3/4	1-11/32	11/16	2.25
MAL47	AK49H	4.16	4.5	4.75	3W	3/32	3/4	1-11/32	11/16	2.10
MAL49	AK51H	4.36	4.7	4.95	3W	3/32	3/4	1-11/32	11/16	2.35
MAL52	AK54H	4.66	5.0	5.25	3W	3/32	3/4	1-11/32	11/16	2.65
MAL54	AK56H	4.86	5.2	5.45	3W	3/32	3/4	1-11/32	11/16	2.75
MAL57	AK59H	5.16	5.5	5.75	5A	3/32	3/4	1-11/32	11/16	2.60
MAL59	AK61H	5.36	5.7	5.95	5A	3/32	3/4	1-11/32	11/16	2.50
MAL62	AK64H	5.66	6.0	6.25	5A	3/32	3/4	1-11/32	11/16	2.60
MAL64	AK66H	5.86	6.2	6.45	5A	3/32	3/4	1-11/32	11/16	2.70
MAL67	AK69H	6.16	6.5	6.75	5A	3/32	3/4	1-11/32	11/16	2.85
MAL69	AK71H	6.36	6.7	6.95	5A	3/32	3/4	1-11/32	11/16	2.90
MAL72	AK74H	6.66	7.0	7.25	5A	3/32	3/4	1-11/32	11/16	3.10
MAL77	AK79H	7.16	7.5	7.75	5A	3/32	3/4	1-11/32	11/16	3.35
MAL82	AK84H	7.66	8.0	8.25	5A	1/8	3/4	1-11/32	23/32	3.85
MAL87	AK89H	8.16	8.5	8.75	5A	3/32	3/4	1-11/32	11/16	4.10
MAL92	AK94H	8.66	9.0	9.25	5A	3/32	3/4	1-11/32	11/16	4.40
MAL97	AK99H	9.16	9.5	9.75	5A	3/32	3/4	1-11/32	11/16	4.60
MAL102	AK104H	9.66	10.0	10.25	5A	3/32	3/4	1-11/32	11/16	4.90
MAL107	AK109H	10.16	10.5	10.75	5A	3/32	3/4	1-11/32	11/16	5.20
MAL112	AK114H	10.66	11.0	11.25	5A	3/32	3/4	1-11/32	11/32	5.55
MAL122	AK124H	11.66	12.0	12.25	5A	3/32	3/4	1-11/32	11/16	5.90
MAL132	AK134H	12.66	13.0	13.25	5A	3/32	3/4	1-11/32	11/16	6.55
MAL142	AK144H	13.66	14.0	14.25	5A	3/32	3/4	1-11/32	11/16	7.30
MAL152	AK155H	14.66	15.0	15.25	5A	3/32	3/4	1-11/32	11/16	9.80
MAL182	AK184H	17.66	18.0	18.25	5A	3/32	3/4	1-11/32	11/16	9.95

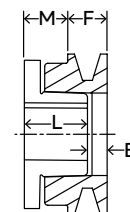
P.D. for "A" (4L) belts = O.D.

P.D. for "3L" belts = D.D.+0.25 = O.D. - 0.34

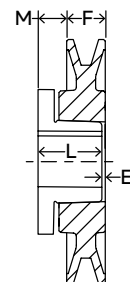
* Dimensions to closest fraction

Legend: "E" and "M" dimensions may vary according to shaft tolerance.

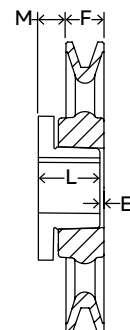
With "H" bushing only reverse mounting is possible.



Type 1



Type 3



Type 5

Note: This entire product series uses the "H" bushing.

Light duty bush type

2MAL (A V-belts)

2 grooves

Part number	Cross reference	D.D. A belts	O.D.	Type	Dimensions*				Weight (lbs.)
					E	F	H	M	
2MAL30	2AK30H	2.8	3.05	2B	1	1-3/8	1-11/32	31/32	1.70
2MAL32	2AK32H	3.0	3.25	2B	1	1-3/8	1-11/32	31/32	1.90
2MAL34	2AK34H	3.2	3.45	2B	23/32	1-3/8	1-11/32	11/16	1.90
2MAL37	2AK39H	3.5	3.75	2B	23/32	1-3/8	1-11/32	11/16	2.15
2MAL39	2AK41H	3.7	3.95	4B	3/32	1-3/8	1-11/32	1/16	2.30
2MAL42	2AK44H	4.0	4.25	4B	3/32	1-3/8	1-11/32	1/16	2.75
2MAL44	2AK46H	4.2	4.45	4W	3/32	1-3/8	1-11/32	1/16	2.85
2MAL47	2AK49H	4.5	4.75	4W	3/32	1-3/8	1-11/32	1/16	3.50
2MAL49	2AK51H	4.7	4.95	4W	3/32	1-3/8	1-11/32	1/16	3.70
2MAL52	2AK54H	5.0	5.25	4W	3/32	1-3/8	1-11/32	1/16	4.05
2MAL54	2AK56H	5.2	5.45	4W	3/32	1-3/8	1-11/32	1/16	4.20
2MAL57	2AK59H	5.5	5.75	6A	3/32	1-3/8	1-11/32	1/16	3.90
2MAL59	2AK61H	5.7	5.95	6A	3/32	1-3/8	1-11/32	1/16	4.05
2MAL62	2AK64H	6.0	6.25	6A	3/32	1-3/8	1-11/32	1/16	4.50
2MAL72	2AK74H	7.0	7.25	6A	3/32	1-3/8	1-11/32	1/16	5.70
2MAL82	2AK84H	8.0	8.25	6A	3/32	1-3/8	1-11/32	1/16	6.50
2MAL92	2AK94H	9.0	9.25	6A	3/32	1-3/8	1-11/32	1/16	7.80
2MAL102	2AK104H	10.0	10.25	6A	3/32	1-3/8	1-11/32	1/16	8.80
2MAL112	2AK114H	11.0	11.25	6A	3/32	1-3/8	1-11/32	1/16	9.50
2MAL122	2AK124H	12.0	12.25	6A	3/32	1-3/8	1-11/32	1/16	10.60
2MAL132	2AK134H	13.0	13.25	6A	3/32	1-3/8	1-11/32	1/16	11.90
2MAL142	2AK144H	14.0	14.25	6A	3/32	1-3/8	1-11/32	1/16	12.45
2MAL152	2AK155H	15.0	15.25	6A	3/32	1-3/8	1-11/32	1/16	14.00
2MAL182	2AK184H	18.0	18.25	6A	3/32	1-3/8	1-11/32	1/16	17.95

P.D. for "A" belts = O.D.

* Dimensions to closest fraction

Legend: "E" and "M" dimensions may vary according to shaft tolerance.

With "H" bushing only reverse mounting is possible.

Note: This entire product series uses the "H" bushing.

Light duty bush type

MBL (A-B and 4L-5L V-belts)

1 groove

Part number	Cross reference	D.D. A (4L) belts	D.D. B (5L) belts	O.D.	Type	Dimensions*				Weight (lbs.)
						E	F	H	M	
MBL31	BK30H	2.40	2.80	3.15	1B	17/32	29/32	1-11/32	63/64	1.25
MBL33	BK32H	2.60	3.00	3.35	1B	17/32	29/32	1-11/32	63/64	1.40
MBL35	BK34H	2.80	3.20	3.55	1B	17/32	29/32	1-11/32	63/64	1.65
MBL37	BK36H	3.00	3.40	3.75	3B	3/32	29/32	1-11/32	17/32	1.40
MBL39	BK40H	3.20	3.60	3.95	3B	3/32	29/32	1-11/32	17/32	1.70
MBL42	BK45H	3.50	3.90	4.25	3B	3/32	29/32	1-11/32	17/32	2.05
MBL44	BK47H	3.70	4.10	4.45	3B	3/32	29/32	1-11/32	17/32	2.35
MBL47	BK50H	4.00	4.40	4.75	3W	3/32	29/32	1-11/32	17/32	1.95
MBL49	BK52H	4.20	4.60	4.95	3W	3/32	29/32	1-11/32	17/32	2.40
MBL52	BK55H	4.50	4.90	5.25	3W	3/32	29/32	1-11/32	17/32	2.35
MBL54	BK57H	4.70	5.10	5.45	3W	3/32	29/32	1-11/32	17/32	2.90
MBL57	BK60H	5.00	5.40	5.75	5W	3/32	29/32	1-11/32	17/32	2.45
MBL59	BK62H	5.20	5.60	5.95	5W	3/32	29/32	1-11/32	17/32	2.80
MBL62	BK65H	5.50	5.90	6.25	5W	3/32	29/32	1-11/32	17/32	2.70
MBL64	BK67H	5.70	6.10	6.45	5W	3/32	29/32	1-11/32	17/32	2.80
MBL67	BK70H	6.00	6.40	6.75	5A	3/32	29/32	1-11/32	17/32	3.00
MBL69	BK72H	6.20	6.60	6.95	5A	3/32	29/32	1-11/32	17/32	3.60
MBL72	BK75H	6.50	6.90	7.25	5A	3/32	29/32	1-11/32	17/32	3.45
MBL74	BK77H	6.70	7.10	7.45	5A	3/32	29/32	1-11/32	17/32	3.65
MBL77	BK80H	7.00	7.40	7.75	5A	3/32	29/32	1-11/32	17/32	3.80
MBL82	BK85H	7.50	7.90	8.25	5A	3/32	29/32	1-11/32	17/32	4.55
MBL87	BK90H	8.00	8.40	8.75	5A	3/32	29/32	1-11/32	17/32	5.10
MBL92	BK95H	8.50	8.90	9.25	5A	3/32	29/32	1-11/32	17/32	5.30
MBL97	BK100H	9.00	9.40	9.75	5A	3/32	29/32	1-11/32	17/32	5.80
MBL102	BK105H	9.50	9.90	10.25	5A	3/32	29/32	1-11/32	17/32	5.50
MBL107	BK110H	10.00	10.40	10.75	5A	3/32	29/32	1-11/32	17/32	5.85
MBL112	BK115H	10.50	10.90	11.25	5A	3/32	29/32	1-11/32	17/32	7.20
MBL117	BK120H	11.00	11.40	11.75	5A	3/32	29/32	1-11/32	17/32	6.59
MBL127	BK130H	12.00	12.40	12.75	5A	3/32	29/32	1-11/32	17/32	7.90
MBL137	BK140H	13.00	13.40	13.75	5A	3/32	29/32	1-11/32	17/32	10.15
MBL147	BK150H	14.00	14.40	14.75	5A	3/32	29/32	1-11/32	17/32	13.25
MBL157	BK160H	15.00	15.40	15.75	5A	3/32	29/32	1-11/32	17/32	16.05
MBL187	BK190H	18.00	18.40	18.75	5A	3/32	29/32	1-11/32	17/32	12.45

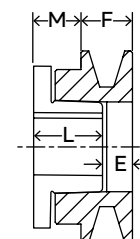
P.D. for "A" (4L) belts = Datum dia. + 0.35" = O.D. - 0.40"

P.D. for "B" (5L) belts = O.D.

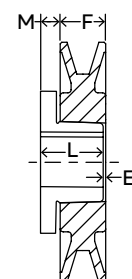
* Dimensions to closest fraction

Legend: "E" and "M" dimensions may vary according to shaft tolerance.

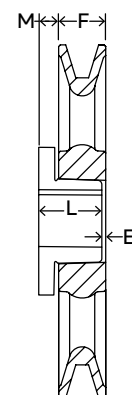
With "H" bushing only reverse mounting is possible.



Type 1



Type 3



Type 5

Note: This entire product series uses the "H" bushing.

Light duty bush type

2MBL (A-B V-belts)

2 grooves

Part number	Cross reference	D.D. A belts	D.D. B belts	O.D.	Type	Dimensions*				Weight (lbs.)
						E	F	H	M	
2MBL33	2BK32H	2.60	3.00	3.35	2B	1-3/8	1-3/4	1-11/32	31/32	2.35
2MBL35	2BK34H	2.80	3.20	3.55	2B	1-3/8	1-3/4	1-11/32	31/32	2.55
2MBL37	2BK36H	3.00	3.40	3.75	2B	1-3/8	1-3/4	1-11/32	31/32	3.00
2MBL39	2BK40H	3.20	3.60	3.95	2B	15/16	1-3/4	1-11/32	17/32	2.80
2MBL42	2BK45H	3.50	3.90	4.25	2B	15/16	1-3/4	1-11/32	17/32	3.25
2MBL44	2BK47H	3.70	4.10	4.45	2B	15/16	1-3/4	1-11/32	17/32	3.35
2MBL47	2BK50H	4.00	4.40	4.75	4W	3/32	1-3/4	1-11/32	5/16	3.85
2MBL49	2BK52H	4.20	4.60	4.95	4W	3/32	1-3/4	1-11/32	5/16	4.00
2MBL52	2BK55H	4.50	4.90	5.25	4W	3/32	1-3/4	1-11/32	5/16	4.40
2MBL54	2BK57H	4.70	5.10	5.45	4W	3/32	1-3/4	1-11/32	5/16	4.95
2MBL57	2BK60H	5.00	5.40	5.75	4W	3/32	1-3/4	1-11/32	5/16	5.30
2MBL59	2BK62H	5.20	5.60	5.95	4W	3/32	1-3/4	1-11/32	5/16	5.80
2MBL62	2BK65H	5.50	5.90	6.25	6A	1/16	1-3/4	1-11/32	11/32	5.40
2MBL64	2BK67H	5.70	6.10	6.45	6A	1/16	1-3/4	1-11/32	11/32	5.85
2MBL67	2BK70H	6.00	6.40	6.75	6A	1/16	1-3/4	1-11/32	11/32	5.55
2MBL69	-	6.20	6.60	6.95	6A	1/16	1-3/4	1-11/32	11/32	6.65
2MBL77	2BK80H	7.00	7.40	7.75	6A	1/16	1-3/4	1-11/32	11/32	6.85
2MBL87	2BK90H	8.00	8.40	8.75	6A	1/16	1-3/4	1-11/32	11/32	9.65
2MBL97	2BK100H	9.00	9.40	9.75	6A	1/16	1-3/4	1-11/32	11/32	9.20
2MBL107	2BK110H	10.00	10.40	10.75	6A	1/16	1-3/4	1-11/32	11/32	12.80
2MBL117	2BK120H	11.00	11.40	11.75	6A	1/16	1-3/4	1-11/32	11/32	14.65
2MBL127	2BK130H	12.00	12.40	12.75	6A	1/16	1-3/4	1-11/32	11/32	14.15
2MBL137	2BK140H	13.00	13.40	13.75	6A	1/16	1-3/4	1-11/32	11/32	14.95
2MBL157	2BK160H	15.00	15.40	15.75	6A	1/16	1-3/4	1-11/32	11/32	18.70
2MBL187	2BK190H	18.00	18.40	18.75	6A	1/16	1-3/4	1-11/32	11/32	24.20

P.D. for "A" belts = Datum dia. + 0.35" = O.D. - 0.40"

P.D. for "B" belts = O.D.

* Dimensions to closest fraction

Legend: "E" and "M" dimensions may vary according to shaft tolerance.

With "H" bushing only reverse mounting is possible.

Note: This entire product series uses the "H" bushing.

Fractional horsepower series (F.H.P.)

Fractional horsepower series MFAL

(Fixed bore A and 4L V-belt series)

Features

- Stock items include one set screw with standard keyseat.

Caution: DO NOT use “A” gripnotch belts ratings with MFAL and MFAM sheaves.

How to order

Example: **MFAL104X3/4**

M FAL 104 X 3/4

M: Light duty family

FAL: Fractional horsepower series

104: Outside diameter (10”)
(Refer to the dimensions table for exact value)

3/4: Bore size (3/4”)



Fractional horsepower series (F.H.P.)

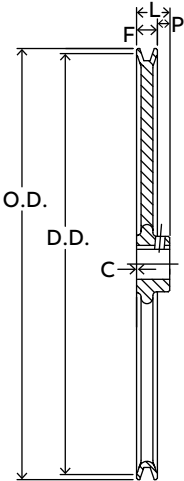
Fractional horsepower series MFAL

Part number	Cross reference	Diameter		Stock bore part numbers				Dimensions				Weight (lbs.)
		Outside	D.D. A (4L)	5/8	3/4	7/8	1	F	L	P	C	
MFAL54*	AL 54	4.93	4.78	MFAL54X5/8	MFAL54X3/4	–	MFAL54X1	19/32	1-1/16	15/32	–	1.1
MFAL64*	AL 64	5.93	5.78	MFAL64X5/8	MFAL64X3/4	MFAL64X7/8	MFAL64X1	19/32	1-1/16	15/32	–	1.5
MFAL74*	AL 74	6.93	6.78	MFAL74X5/8	MFAL74X3/4	–	MFAL74X1	19/32	1-1/16	15/32	–	1.75
MFAL84*	AL 84	7.93	7.78	MFAL84X5/8	MFAL84X3/4	MFAL84X7/8	MFAL84X1	19/32	1-1/16	15/32	–	2.2
MFAL94	AL 94	8.93	8.78	–	MFAL94X3/4	MFAL94X7/8	MFAL94X1	19/32	1-1/16	15/32	–	3.0
MFAL104	AL 104	9.93	9.78	–	MFAL104X3/4	–	MFAL104X1	19/32	1-1/16	15/32	–	2.7
MFAL114	AL 114	10.93	10.78	–	MFAL114X3/4	–	MFAL114X1	19/32	1-1/16	15/32	–	3.1
MFAL124	AL 124	11.93	11.78	–	MFAL124X3/4	MFAL124X7/8	MFAL124X1	19/32	1-1/16	15/32	–	3.5
MFAM144	AM 144	14.16	14.00	–	–	–	MFAM144X1	11/16	1-3/32	13/32	1/32	5.2

* This item is packaged 10 per carton.
Pitch dia. for "A" (4L) belts = Datum dia. +.26" = O.D. +.11"

Keyseat information

Bore range	Keyseat
1/2"	None
5/8" - 7/8"	3/16" X 3/32"
15/16" - 1-1/4"	1/4" X 1/8"



Adjustable pitch sheaves

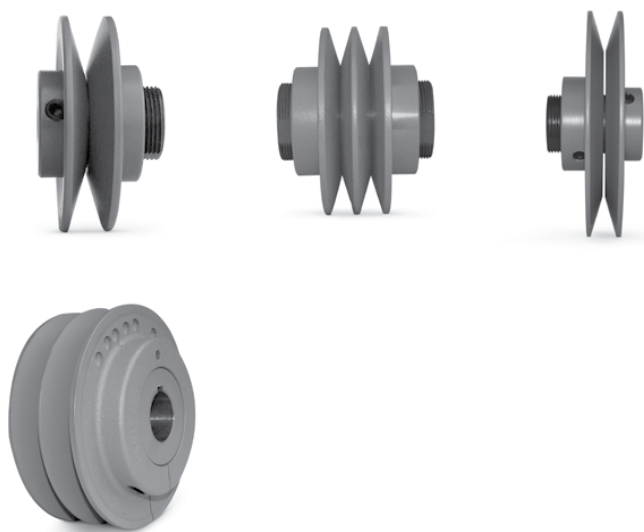
Adjustable speed sheaves are used primarily in the air handling industry. Optimal fan working speed is easily obtained by simply adjusting one of the pulleys.

Features

- Adjustable pitch sheaves are made of durable gray cast iron class 30.
- Line covers from fractional light duty (less than 1 Hp) to heavy duty (40 Hp) applications

Note:

- DO NOT use these gray cast iron sheaves with rim speeds in excess of 6500 feet per minute. Note that the maximum RPM indicated on the arm of the sheave is based on the 6500 ft./min. limit, and doesn't take into consideration the need for dynamic balancing (two planes). Please verify the validity of dynamic balancing in your application. All operational PT products when used in a drive are potentially dangerous and must be guarded by the user as required by applicable laws, regulations, standards and good safety practice. (Refer to ANSI standard B15.1)
- Irregardless of the equipment used, Dodge recommends NOT reboring adjustable pitch pulleys. The concentricity may be lost.



Adjustable pitch MVL

Features:

- HVAC applications
- Designed for applications up to 5 Hp
- Bore range 1/2" to 7/8"
- Bulk packaged 20 per carton
- Designed to be used with the MFAL series

Note: DO NOT use B gripnotch belt ratings with MVL sheaves.

How to order:

Example: MVL30X5/8

MVL 30 X 5/8

MVL: Adjustable pitch sheave series

30: Approximate outside diameter (2.87")

5/8: Bore size (5/8")

Inch bore sizes are designated with the whole inch followed by the fraction. For example, a 1.5" diameter bore would be 1-1/2".

Pulley Adjustment

Modify the sheave pitch diameter by rotating the adjustable flange on the threaded hub of the pulley. Once the required diameter is obtained, tighten the adjusting screw(s) on one of the two flat surfaces.



Adjustable pitch sheaves

Dimensions

Reference Guide

Synchronous Products

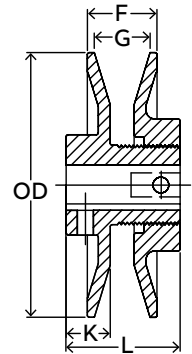
V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Part number	Cross reference	O.D.	Dimensions						Weight (lbs.)
			F maximum	F minimum	G maximum	G minimum	L	K	
MVL25	VL25	2.50	27/32	19/32	5/8	3/8	1-1/2	37/64	0.8
MVL30	VL30	2.87	27/32	19/32	5/8	3/8	1-1/2	37/64	1.0
MVL34	VL34	3.15	1-5/64	23/32	7/8	1/2	1-11/16	37/64	1.1
MVL40	VL40	3.75	1-3/32	45/64	7/8	1/2	1-11/16	37/64	1.5
MVL44	VL44	4.15	1-3/32	45/64	7/8	1/2	1-11/16	37/64	1.8
1VM50	1VM50	4.75	1-1/16	11/16	7/8	1/2	1 7/8	21/32	2.8



Part number	Dimensions					
	1/2	5/8	3/4	7/8	14mm	19mm
MVL25	MVL25X1/2	MVL25X5/8	–	–	–	–
MVL30	MVL30X1/2	MVL30X5/8	–	–	–	–
MVL34	MVL34X1/2	MVL34X5/8	MVL34X3/4	–	–	–
MVL40	MVL40X1/2	MVL40X5/8	MVL40X3/4	MVL40X7/8	–	–
MVL44	MVL44X1/2	MVL44X5/8	MVL44X3/4	MVL44X7/8	MVL44X14MM	MVL44X19MM
1VM50	1VM50X1/2	1VM50X5/8	1VM50X3/4	1VM50X7/8	–	–

Datum diameters

		Datum diameter, inches									
	Part number	Datum diameter, inches		0 turn close	1 turn open	2 turns open	3 turns open	4 turns open	5 turns open	6 turns open	7 turns open
		Minimum	Maximum								
3L belt	MVL25	1.6	2.4	2.4	2.2	2.0	1.8	1.6	–	–	–
	MVL30	1.8	2.6	2.6	2.4	2.2	2.0	1.8	–	–	–
	MVL34	1.7	2.5	2.5	2.3	2.1	1.9	1.7	–	–	–
	MVL40	2.3	3.1	3.1	2.9	2.7	2.5	2.3	–	–	–
	MVL44	2.7	3.5	3.5	3.3	3.1	2.9	2.7	–	–	–
	1VM50	3.3	4.1	4.1	3.9	3.7	3.5	3.3	–	–	–
A (4L) belt	MVL25	1.6	2.2	–	–	2.2	2.0	1.8	1.6	–	–
	MVL30	2.0	2.6	–	–	2.6	2.4	2.2	2.0	–	–
	MVL34	1.9	2.9	2.9	2.7	2.5	2.3	2.1	1.9	–	–
	MVL40	2.4	3.4	3.4	3.2	3.0	2.8	2.6	2.4	–	–
	MVL44	2.8	3.8	3.8	3.6	3.4	3.2	3.0	2.8	–	–
	1VM50	3.4	4.4	4.4	4.2	4.0	3.8	3.6	3.4	–	–
B* (5L) belt	MVL25	2.0	2.2	–	–	–	–	2.2	2.0	–	–
	MVL30	2.4	2.6	–	–	–	–	2.6	2.4	–	–
	MVL34	2.4	3.2	–	3.2	3.0	2.8	2.6	2.4	–	–
	MVL40	2.7	3.7	–	3.7	3.5	3.3	3.1	2.9	2.7	–
	MVL44	3.1	4.1	–	4.1	3.9	3.7	3.5	3.3	3.1	–
	1VM50	3.7	4.7	–	4.7	4.5	4.3	4.1	3.9	3.7	–

Pitch dia. for 3L belts = Datum dia. + .25"

Pitch dia. for "A" (4L) belts = Datum dia. + .25"

Pitch dia. for "B" (5L) belts = Datum dia. + .35"

Bore range	Keyseat
1/2"	None
5/8" - 7/8"	3/16" X 3/32"

Adjustable pitch VP series

Features:

- Dodge 1VP and 2VP series are finished bore variable speed sheaves made of cast iron and designed for heavier duty service up to 25 Hp
- Available in single and double grooves, offering a pitch range from 1.9" x to 6.7" (A belt) and 2.4" to 7.0" (B belt)
- Type 2 model has positive locked-on settings

How to order:

Example: 1VP71X3/4

1 VP71 X 3/4

1: Number of grooves

VP71: Adjustable pitch sheave size
Last 2 digits represent the approximate outside diameter. (7.1")

3/4: Bore size (3/4")
Inch bore sizes are designated with the whole inch followed by the fraction. For example, a 1.5" diameter bore would be 1-1/2".

Pulley adjustment

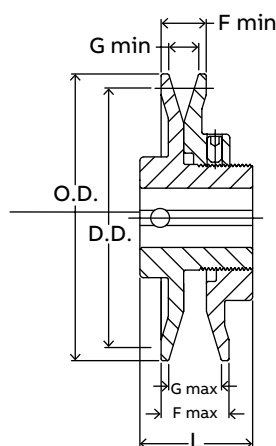
Modify the sheave pitch diameter by rotating the adjustable flange on the threaded hub of the pulley. Once the required diameter is obtained, tighten the adjusting screw(s) on one of the two flat surfaces.

To obtain the same pitch diameter in both grooves of the VP series, tighten both movable flanges against the central flange, make trace marks on both flanges, then rotate both flanges the same number of turns.

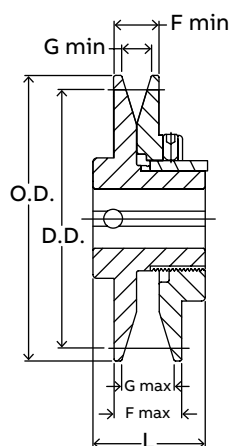


Adjustable pitch VP series

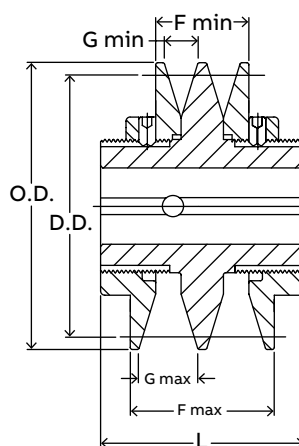
1VP and 2VP



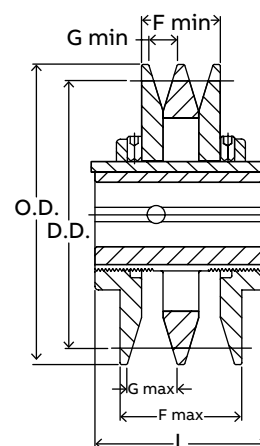
Type 1
(without key)



Type 2



Type 3
(without key)



Type 4

Part number	Type	O.D.	L	F		G		Weight (lbs.)
				Maximum	Minimum	Maximum	Minimum	
1VP25	1	2.50	1-1/2	13/16	9/16	5/8	3/8	7
1VP30	1	2.87	1-21/32	13/16	9/16	5/8	3/8	1.1
1VP34	1	3.15	1-7/8	1	11/16	13/16	1/2	1.4
1VP40	1	3.75	1-7/8	1-1/16	11/16	7/8	1/2	1.9
1VP44	1	4.15	1-7/8	1-1/16	11/16	7/8	1/2	2.4
1VP44	2	4.15	1-7/8	1-1/8	3/4	7/8	1/2	2.9
1VP50	1	4.75	2	1-1/16	11/16	7/8	1/2	2.9
1VP50	2	4.75	1-7/8	1-1/8	3/4	7/8	1/2	3.6
1VP56	1	5.35	1-7/8	1-1/16	11/16	7/8	1/2	3.8
1VP56	2	5.35	1-7/8	1-1/8	3/4	7/8	1/2	4.4
1VP60	2	6.00	1-21/32	1-1/4	7/8	1-1/32	21/32	6.5
1VP62	2	5.95	1-29/32	1-1/8	3/4	7/8	1/2	6.1
1VP65	2	6.50	1-21/32	1-1/4	7/8	1-1/32	21/32	6.8
1VP68	2	6.55	1-29/32	1-1/8	3/4	7/8	1/2	7.3
1VP71	2	7.10	1-21/32	1-1/4	7/8	1-1/32	21/32	8.2
1VP75	2	7.50	1-21/32	1-1/4	7/8	1-1/32	21/32	9.2
2VP36	3	3.35	3	2	1-3/8	13/16	1/2	3.4
2VP42	3	3.95	3	2-1/8	1-3/8	7/8	1/2	4.4
2VP50	4	4.75	3	2-1/8	1-3/8	7/8	1/2	6.3
2VP56	4	5.35	3	2-1/8	1-3/8	7/8	1/2	7.8
2VP60	4	6.00	3-1/4	2-3/8	1-5/8	1-1/32	21/32	10.6
2VP62	4	5.95	3	2-1/8	1-3/8	7/8	1/2	10.0
2VP65	4	6.50	3-1/4	2-3/8	1-5/8	1-1/32	21/32	12.3
2VP68	4	6.55	3	2-1/8	1-3/8	7/8	1/2	11.7
2VP71	4	7.10	3-1/4	2-3/8	1-5/8	1-1/32	21/32	14.6
2VP75	4	7.50	3-1/4	2-3/8	1-5/8	1-1/32	21/32	16.5

* Supplied without keyway thru the bore

Adjustable pitch VP series

1VP and 2VP

Part number	Standard bores part numbers						
	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4
1VP25	1VP25X1/2	-	-	-	-	-	-
1VP30	1VP30X1/2	1VP30X5/8	1VP30X3/4	-	-	-	-
1VP34	1VP34X1/2	1VP34X5/8	1VP34X3/4	1VP34X7/8	-	-	-
1VP40	1VP40X1/2	1VP40X5/8	1VP40X3/4	1VP40X7/8	-	1VP40X1-1/8	-
1VP44	1VP44X1/2	1VP44X5/8	1VP44X3/4	-	-	-	-
1VP44	-	-	-	1VP44X7/8	1VP44X1	1VP44X1-1/8	-
1VP50	1VP50X1/2	1VP50X5/8	1VP50X3/4	-	-	-	-
1VP50	-	-	-	1VP50X7/8	1VP50X1	1VP50X1-1/8	-
1VP56	1VP56X1/2	1VP56X5/8	1VP56X3/4	-	-	-	-
1VP56	-	-	-	1VP56X7/8	1VP56X1	1VP56X1-1/8	-
1VP60	-	-	1VP60X3/4	1VP60X7/8	-	1VP60X1-1/8	-
1VP62	-	1VP62X5/8	1VP62X3/4	1VP62X7/8	1VP62X1	1VP62X1-1/8	1VP62X1-1/4
1VP65	-	-	1VP65X3/4	1VP65X7/8	-	1VP65X1-1/8	-
1VP68	-	1VP68X5/8	1VP68X3/4	1VP68X7/8	1VP68X1	1VP68X1-1/8	1VP68X1-1/4
1VP71	-	-	1VP71X3/4	1VP71X7/8	-	1VP71X1-1/8	-
1VP75	-	1VP75X5/8	1VP75X3/4	1VP75X7/8	1VP75X1	1VP75X1-1/8	-
2VP36	2VP36X1/2	2VP36X5/8	2VP36X3/4	2VP36X7/8	-	-	-
2VP42	-	2VP42X5/8	2VP42X3/4	2VP42X7/8	2VP42X1	2VP42X1-1/8	-
2VP50	-	2VP50X5/8	2VP50X3/4	2VP50X7/8	2VP50X1	2VP50X1-1/8	-
2VP56	-	2VP56X5/8	2VP56X3/4	2VP56X7/8	2VP56X1	2VP56X1-1/8	-
2VP60	-	-	2VP60X3/4	2VP60X7/8	-	2VP60X1-1/8	-
2VP62	-	-	2VP62X3/4	2VP62X7/8	2VP62X1	2VP62X1-1/8	2VP62X1-1/4
2VP65	-	-	2VP65X3/4	2VP65X7/8	-	2VP65X1-1/8	-
2VP68	-	-	2VP68X3/4	2VP68X7/8	2VP68X1	2VP68X1-1/8	2VP68X1-1/4
2VP71	-	-	2VP71X3/4	2VP71X7/8	-	2VP71X1-1/8	-
2VP75	-	-	2VP75X3/4	2VP75X7/8	2VP75X1	2VP75X1-1/8	-

Part number	Standard bores part numbers						
	1-3/8	1-5/8	14mm	19mm	24mm	28mm	38mm
1VP25	-	-	-	-	-	-	-
1VP30	-	-	-	-	-	-	-
1VP34	-	-	1VP34X14MM	1VP34X19MM	-	-	-
1VP40	-	-	1VP40X14MM	1VP40X19MM	-	-	-
1VP44	-	-	1VP44X14MM	1VP44X19MM	-	-	-
1VP44	-	-	-	-	1VP44X24MM	-	-
1VP50	-	-	-	1VP50X19MM	-	-	-
1VP50	-	-	-	-	1VP50X24MM	1VP50X28MM	-
1VP56	-	-	-	-	-	-	-
1VP56	-	-	-	-	1VP56X24MM	1VP56X28MM	-
1VP60	1VP60X1-3/8	-	-	-	-	-	-
1VP62	1VP62X1-3/8	-	-	-	1VP62X24MM	1VP62X28MM	-
1VP65	1VP65X1-3/8	1VP65X1-5/8	-	-	-	-	-
1VP68	1VP68X1-3/8	-	-	-	-	-	-
1VP71	1VP71X1-3/8	1VP71X1-5/8	-	-	-	-	-
1VP75	1VP75X1-3/8	1VP75X1-5/8	-	-	-	-	-
2VP36	-	-	-	-	-	-	-
2VP42	-	-	-	-	2VP42X24MM	2VP42X28MM	-
2VP50	-	-	-	-	-	2VP50X28MM	-
2VP56	2VP56X1-3/8	-	-	-	-	2VP56X28MM	2VP56X38MM
2VP60	2VP60X1-3/8	2VP60X1-5/8	-	-	-	-	-
2VP62	2VP62X1-3/8	-	-	-	-	2VP62X28MM	2VP62X38MM
2VP65	2VP65X1-3/8	2VP65X1-5/8	-	-	-	-	-
2VP68	2VP68X1-3/8	2VP68X1-5/8	-	-	-	2VP68X28MM	2VP68X38MM
2VP71	2VP71X1-3/8	2VP71X1-5/8	-	-	-	-	-
2VP75	2VP75X1-3/8	2VP75X1-5/8	-	-	-	-	-

Adjustable pitch VP series

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Datum diameters										
Part number	Datum diameter, inches									
	Minimum	Maximum	0 turn close	1 turn open	2 turns open	3 turns open	4 turns open	5 turns open	6 turns open	
3L belt	1VP25	1.6	2.4	2.4	2.2	2.0	1.8	1.6	–	–
	1VP30	1.8	2.6	2.6	2.4	2.2	2.0	1.8	–	–
	1VP34	1.7	2.5	2.5	2.3	2.1	1.9	1.7	–	–
	2VP36	1.9	2.7	2.7	2.5	2.3	2.1	1.9	–	–
	1VP40	2.3	3.1	3.1	2.9	2.7	2.5	2.3	–	–
	2VP42	2.5	3.3	3.3	3.1	2.9	2.7	2.5	–	–
	1VP44	2.7	3.5	3.5	3.3	3.1	2.9	2.7	–	–
	1VP50 and 2VP50	3.3	4.1	4.1	3.9	3.7	3.5	3.3	–	–
	1VP56 and 2VP56	3.9	4.7	4.7	4.5	4.3	4.1	3.9	–	–
	1VP60 and 2VP60	–	–	–	–	–	–	–	–	–
	1VP62 and 2VP62	4.5	5.3	5.3	5.1	4.9	4.7	4.5	–	–
	1VP65 and 2VP65	–	–	–	–	–	–	–	–	–
	1VP68 and 2VP68	5.1	5.9	5.9	5.7	5.5	5.3	5.1	–	–
	1VP71 and 2VP71	–	–	–	–	–	–	–	–	–
	1VP75 and 2VP75	–	–	–	–	–	–	–	–	–
(4L) A belt	1VP34	1.9	2.9	2.9	2.7	2.5	2.3	2.1	1.9	–
	2VP36	2.0	3.0	3.0	2.8	2.6	2.4	2.2	2.0	–
	1VP40	2.4	3.4	3.4	3.2	3.0	2.8	2.6	2.4	–
	2VP42	2.6	3.6	3.6	3.4	3.2	3.0	2.8	2.6	–
	1VP44	2.8	3.8	3.8	3.6	3.4	3.2	3.0	2.8	–
	1VP50 and 2VP50	3.4	4.4	4.4	4.2	4.0	3.8	3.6	3.4	–
	1VP56 and 2VP56	4.0	5.0	5.0	4.8	4.6	4.4	4.2	4.0	–
	1VP60 and 2VP60	4.2	5.2	5.2	5.0	4.8	4.6	4.4	4.2	–
	1VP62 and 2VP62	4.6	5.6	5.6	5.4	5.2	5.0	4.8	4.6	–
	1VP65 and 2VP65	4.7	5.7	5.7	5.5	5.3	5.1	4.9	4.7	–
	1VP68 and VP68	5.2	6.2	6.2	6.0	5.8	5.6	5.4	5.2	–
	1VP71 and 2VP71	5.3	6.3	6.3	6.1	5.9	5.7	5.5	5.3	–
	1VP75 and 2VP75	5.7	6.7	6.7	6.5	6.3	6.1	5.9	5.7	–
(5L) B belt	1VP34	2.4	3.2	–	3.2	3.0	2.8	2.6	2.4	–
	2VP36	2.5	3.3	–	3.3	3.1	2.9	2.7	2.5	–
	1VP40	2.7	3.7	–	3.7	3.5	3.3	3.1	2.9	2.7
	2VP42	2.9	3.9	–	3.9	3.7	3.5	3.3	3.1	2.9
	1VP44	3.1	4.1	–	4.1	3.9	3.7	3.5	3.3	3.1
	1VP50 and 2VP50	3.7	4.7	–	4.7	4.5	4.3	4.1	3.9	3.7
	1VP56 and 2VP56	4.3	5.3	–	5.3	5.1	4.9	4.7	4.5	4.3
	1VP60 and 2VP60	4.3	5.5	5.5	5.3	5.1	4.9	4.7	4.5	4.3
	1VP62 and 2VP62	4.9	5.9	–	5.9	5.7	5.5	5.3	5.1	4.9
	1VP65 and 2VP65	4.8	6.0	6.0	5.8	5.6	5.4	5.2	5.0	4.8
	1VP68 and 2VP68	5.5	6.5	–	6.5	6.3	6.1	5.9	5.7	5.5
	1VP71 and 2VP71	5.4	6.6	6.6	6.4	6.2	6.0	5.8	5.6	5.4
	1VP75 and 2VP75	5.8	7.0	7.0	6.8	6.6	6.4	6.2	6.0	5.8
5V belt	1VP34	–	–	–	–	–	–	–	–	–
	2VP36	–	–	–	–	–	–	–	–	–
	1VP40	–	–	–	–	–	–	–	–	–
	2VP42	–	–	–	–	–	–	–	–	–
	1VP44	–	–	–	–	–	–	–	–	–
	1VP50 and 2VP50	–	–	–	–	–	–	–	–	–
	1VP56 and 2VP56	–	–	–	–	–	–	–	–	–
	1VP60 and 2VP60	–	–	–	–	–	–	–	–	–
	1VP62 and 2VP62	5.3	6.3	–	6.3	6.1	5.9	5.7	5.5	5.3
	1VP65 and 2VP65	5.2	6.4	6.4	6.2	6.0	5.8	5.6	5.4	5.2
	1VP68 and 2VP68	5.9	6.9	–	6.9	6.7	6.5	6.3	6.1	5.9
	1VP71 and 2VP71	5.8	7.0	7.0	6.8	6.6	6.4	6.2	6.0	5.8
	1VP75 and 2VP75	6.2	7.4	7.4	7.2	7.0	6.8	6.6	6.4	6.2

P.D. for "3L" belts = Datum dia. "3L" belts + .25"
P.D. for "A" (4L) belts = Datum dia. "A" belts + .25"
P.D. for "B" (5L) belts = Datum dia. "B" belts + .35"
P.D. for "5V" belts = Datum dia. "5V" belts + .10"

Heavy duty adjustable pitch MVS sheaves

1VP and 2VP

Features:

- Designed for up to 40 Hp @ 1750 RPM
- Used with A, B, 3V and 5V belts

Note: Every turn of the adjustment screw moves the flange by 1/16".

How to order:

Example: MVS150X1-3/8

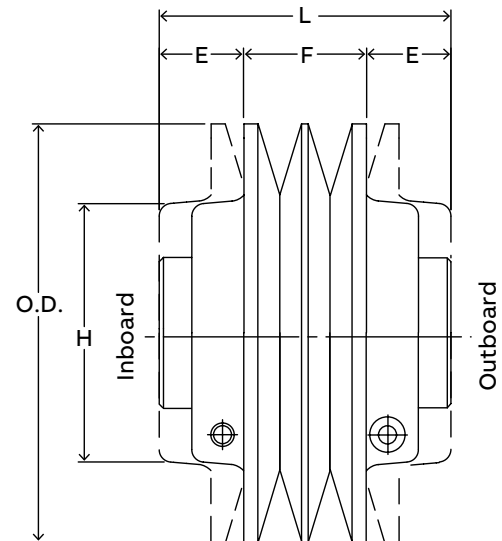
MVS150 X 1-3/8

MVS150: Adjustable pitch sheave size
Last three digits represent the outside diameter in mm. 150mm = 5.905"

1-3/8: Adjustable bore size (1-3/8")
Inch bore sizes are designated with the whole inch followed by the fraction. For example, a 1.5" diameter bore would be 1-1/2".

Pulley adjustment

Modify the sheave pitch diameter by using the adjustment screw.
Every turn of the adjustment screw moves the flanges by 1/16".
Once the required diameter is obtained, tighten the locking screw.



Heavy duty adjustable pitch MVS sheaves

Dimensions

Part number	Cross reference	O.D.	Dimensions						Stock bore part numbers					Weight (lbs.)
			F max.	F min.	E max.	E min.	L	H	1-1/8	1-3/8	1-5/8	1-7/8	2-1/8	
MVS130	JVS 130	5.118	1.73	2.27	0.75	1.02	3.77	3.15	MVS130X1-1/8	MVS130X1-3/8	–	–	–	8.5
MVS150	JVS 150	5.905	1.73	2.59	0.77	1.20	4.13	3.62	MVS150X1-1/8	MVS150X1-3/8	MVS150X1-5/8	–	–	12.1
MVS170	JVS 170	6.692	1.73	2.59	0.77	1.20	4.13	3.62	MVS170X1-1/8	MVS170X1-3/8	MVS170X1-5/8	–	–	14.8
MVS190	JVS 190	7.480	1.73	2.59	0.77	1.20	4.13	5.12	–	MVS190X1-3/8	MVS190X1-5/8	MVS190X1-7/8	–	23.2
MVS210	JVS 210	8.268	1.73	2.59	0.77	1.20	4.13	5.12	–	MVS210X1-3/8	MVS210X1-5/8	MVS210X1-7/8	MVS210X2-1/8	27.0
MVS230	JVS 230	9.055	1.73	2.59	0.77	1.20	4.13	5.12	–	MVS230X1-3/8	MVS230X1-5/8	MVS230X1-7/8	MVS230X2-1/8	30.4

Datum diameters

	Part number	Datum diameter, inches									
		Minimum	Maximum	0 turn close	1 turn open	2 turns open	3 turns open	4 turns open	5 turns open	6 turns open	7 turns open
A belt	MVS130	3.45	4.47	4.47	4.26	4.06	3.85	3.65	3.45	–	–
	MVS150	4.23	5.25	5.25	5.05	4.85	4.64	4.44	4.23	–	–
	MVS170	4.81	6.04	6.04	5.84	5.63	5.43	5.22	5.02	4.81	–
	MVS190	5.60	6.83	6.83	6.62	6.42	6.21	6.01	5.81	5.60	–
	MVS210	6.40	7.63	7.63	7.43	7.22	7.02	6.81	6.61	6.40	–
	MVS230	7.19	8.42	8.42	8.21	8.01	7.81	7.60	7.40	7.19	–
B belt	MVS130	3.63	4.86	4.86	4.65	4.45	4.24	4.04	3.84	3.63	–
	MVS150	4.21	5.65	5.65	5.44	5.24	5.03	4.83	4.62	4.42	4.21
	MVS170	5.00	6.43	6.43	6.23	6.02	5.82	5.61	5.41	5.21	5.00
	MVS190	5.79	7.22	7.22	7.01	6.81	6.60	6.40	6.20	5.99	5.79
	MVS210	6.59	8.02	8.02	7.82	7.61	7.41	7.20	7.00	6.80	6.59
	MVS230	7.38	8.81	8.81	8.61	8.40	8.20	7.99	7.79	7.58	7.38
3V belt	MVS130	3.56	4.17	4.17	3.97	3.77	3.56	–	–	–	–
	MVS150	4.35	4.96	4.96	4.76	4.55	4.35	–	–	–	–
	MVS170	5.13	5.75	5.75	5.54	5.34	5.13	–	–	–	–
	MVS190	5.92	6.53	6.53	6.33	6.13	5.92	–	–	–	–
	MVS210	6.73	7.34	7.34	7.13	6.93	6.73	–	–	–	–
	MVS230	7.51	8.13	8.13	7.92	7.72	7.51	–	–	–	–
5V belt	MVS130	–	–	–	–	–	–	–	–	–	–
	MVS150*	4.31	5.74	5.74	5.54	5.33	5.13	4.93	4.72	4.52	4.31
	MVS170*	5.10	6.53	6.53	6.33	6.12	5.92	5.71	5.51	5.30	5.10
	MVS190	5.88	7.32	7.32	7.11	6.91	6.7	6.50	6.29	6.09	5.88
	MVS210	6.69	8.12	8.12	7.92	7.71	7.51	7.30	7.10	6.89	6.69
	MVS230	7.48	8.91	8.91	8.70	8.50	8.29	8.09	7.89	7.68	7.48

* Important: Recommended for use with narrow cog belts only.
P.D. for "A" belt = Datum dia. "A" belt + .25
P.D. for "B" belt = Datum dia. "B" belt + .35
P.D. for "3V" belts = Datum dia. "3V" belts + .05
P.D. for "5V" belts = Datum dia. "5V" belts + .10

Split taper sheaves

Features:

- Used with conventional A, B and 5V belts
- Available in 1 to 6 grooves
- B bushing used with the majority of B5V sheaves, bores 1/2 to 2-7/16
- Popular in HVAC, wood processing industry, bulk material handling and package material handling

Note: The type of sheave construction is indicated in the column entitled type. The number refers to the drawing and the letter as follows: A = Arms; B = Block; W = Web.

Split taper sheave nomenclature:

Example: 2B5V54

2B5V 54

2: Number of grooves

B5V: Belt profile

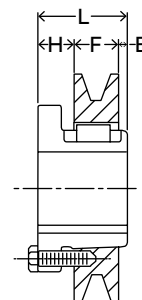
54: Datum diameter for B belts (5.4")



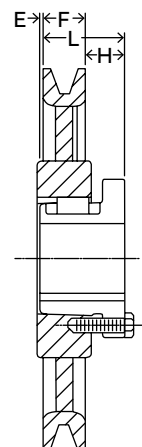
Split taper sheaves

1 groove

Part number	Description	OD	Diameter			H	Type	Bushing	L	E	F	Weight (lbs.)
			Datum A belts	Datum B belts	Pitch 5V belts							
469000	1B34	3.75	3	3.4	–	1-1/16	2B	P1	1-15/16	1/8	1	2
469001	1B36	3.95	3.2	3.6	–	1-1/16	2B	P1	1-15/16	1/8	1	2.3
469002	1B38	4.15	3.4	3.8	–	1-1/16	2B	P1	1-15/16	1/8	1	2.6
469003	1B40	4.35	3.6	4	–	5/8	10B	P1	1-15/16	5/16	1	2.1
469004	1B5V42	4.48	3.8	4.2	4.5	5/8	1B	P1	1-15/16	5/16	1	2.5
469005	1B5V44	4.68	4	4.4	4.5	5/8	1B	P1	1-15/16	5/16	1	2.8
469006	1B5V46	4.88	4.2	4.6	4.7	3/4	1B	B	1-15/16	3/16	1	2.5
469007	1B5V48	5.08	4.4	4.8	4.9	3/4	1B	B	1-15/16	3/16	1	2.9
469008	1B5V50	5.28	4.6	5	5.1	3/4	1B	B	1-15/16	3/16	1	3.3
469009	1B5V52	5.48	4.8	5.2	5.3	3/4	1B	B	1-15/16	3/16	1	3.7
469010	1B5V54	5.68	5	5.4	5.5	3/4	1B	B	1-15/16	3/16	1	4.1
469011	1B5V56	5.88	5.2	5.6	5.7	3/4	1B	B	1-15/16	3/16	1	4.5
469012	1B5V58	6.08	5.4	5.8	5.9	3/4	1B	B	1-15/16	3/16	1	5
469013	1B5V60	6.28	5.6	6	6.1	3/4	1B	B	1-15/16	3/16	1	5.4
469014	1B5V62	6.48	5.8	6.2	6.3	3/4	1B	B	1-15/16	3/16	1	5.3
469015	1B5V64	6.68	6	6.4	6.5	3/4	1B	B	1-15/16	3/16	1	5.6
469016	1B5V66	6.88	6.2	6.6	6.7	3/4	1B	B	1-15/16	3/16	1	6
469017	1B5V68	7.08	6.4	6.8	6.9	3/4	1B	B	1-15/16	3/16	1	6.4
469018	1B5V70	7.28	6.6	7	7.1	3/4	1B	B	1-15/16	3/16	1	6.8
469019	1B5V74	7.68	7	7.4	7.5	3/4	1B	B	1-15/16	3/16	1	7.7
469020	1B5V80	8.28	7.6	8	8.1	7/8	1W	B	1-15/16	3/16	1	7.5
469021	1B5V86	8.88	8.2	8.6	8.7	7/8	2A	B	1-15/16	3/16	1	7.9
469022	1B5V90	9.28	8.6	9	9.1	7/8	2A	B	1-15/16	3/16	1	8.2
469023	1B5V94	9.68	9	9.4	9.5	7/8	2A	B	1-15/16	3/16	1	8.5
469024	1B5V110	11.28	10.6	11	11.1	7/8	2A	B	1-15/16	3/16	1	10.3
469025	1B5V124	12.68	12	12.4	12.5	7/8	2A	B	1-15/16	3/16	1	11.5
469026	1B5V136	13.88	13.2	13.6	13.7	7/8	2A	B	1-15/16	3/16	1	13.3
469027	1B5V154	15.68	15	15.4	15.5	7/8	2A	B	1-15/16	3/16	1	15.5
469028	1B5V160	16.28	15.6	16	16.1	7/8	2A	B	1-15/16	3/16	1	16.6
469029	1B5V184	18.68	18	18.4	18.5	7/8	2A	B	1-15/16	3/16	1	20
469030	1B5V200	20.28	19.5	20	20.1	7/8	2A	B	1-15/16	3/16	1	21.8
469031	1B5V234	23.68	22.9	23.4	23.5	7/8	2A	B	1-15/16	3/16	1	28.2
469032	1B5V250	25.28	24.5	25	25.1	7/8	2A	B	1-15/16	3/16	1	31.4
469033	1B5V278	28.08	27.3	27.8	27.9	7/8	2A	B	1-15/16	3/16	1	36.5
469034	1B5V300	30.35	29.67	30.07	30.17	1-1/8	2A	Q1	2-1/8	3/8	1	56



Type 1

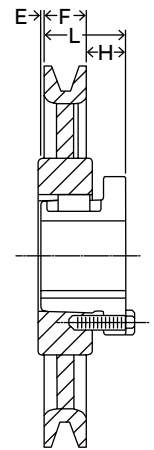


Type 2

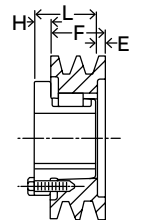
Split taper sheaves

2 grooves

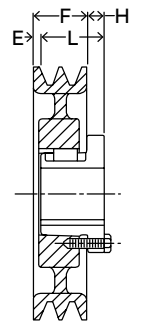
Part number	Description	OD	Diameter			H	Type	Bushing	L	E	F	Weight (lbs.)
			Datum A belts	Datum B belts	Pitch 5V belts							
469035	2B34	3.75	3	3.4	–	1-1/16	2B	P1	1-15/16	7/8	1-3/4	2.9
469036	2B36	3.95	3.2	3.6	–	1-1/16	2B	P1	1-15/16	7/8	1-3/4	3.8
469037	2B38	4.15	3.4	3.8	–	5/8	5B	P1	1-15/16	7/16	1-3/4	3
469038	2B40	4.35	3.6	4	–	5/8	5B	P1	1-15/16	7/16	1-3/4	3.8
469039	2B5V42	4.48	3.8	4.2	4.3	5/8	5B	P1	1-15/16	13/32	1-23/32	3.7
469040	2B5V44	4.68	4	4.4	4.5	7/32	3B	P1	1-15/16	0	1-23/32	4.1
469041	2B5V46	4.88	4.2	4.6	4.7	33/64	3B	B	1-15/16	0	1-23/32	3.3
469042	2B5V48	5.08	4.4	4.8	4.9	33/64	3B	B	1-15/16	11/64	1-23/32	3.9
469043	2B5V50	5.28	4.6	5	5.1	33/64	3B	B	1-15/16	11/64	1-23/32	4.6
469044	2B5V52	5.48	4.8	5.2	5.3	33/64	3B	B	1-15/16	11/64	1-23/32	5.3
469045	2B5V54	5.68	5	5.4	5.5	33/64	3B	B	1-15/16	11/64	1-23/32	6
469046	2B5V56	5.88	5.2	5.6	5.7	33/64	3B	B	1-15/16	11/64	1-23/32	6.7
469047	2B5V58	6.08	5.4	5.8	5.9	33/64	3B	B	1-15/16	11/64	1-23/32	7.4
469048	2B5V60	6.28	5.6	6	6.1	33/64	3B	B	1-15/16	11/64	1-23/32	8.2
469049	2B5V62	6.48	5.8	6.2	6.3	33/64	3B	B	1-15/16	11/64	1-23/32	9.2
469050	2B5V64	6.68	6	6.4	6.5	33/64	3B	B	1-15/16	11/64	1-23/32	8.4
469051	2B5V66	6.88	6.2	6.6	6.7	33/64	3B	B	1-15/16	11/64	1-23/32	11.4
469052	2B5V68	7.08	6.4	6.8	6.9	33/64	3B	B	1-15/16	11/64	1-23/32	10.2
469053	2B5V70	7.28	6.6	7	7.1	33/64	3B	B	1-15/16	11/64	1-23/32	12.3
469054	2B5V74	7.68	7	7.4	7.5	33/64	3B	B	1-15/16	11/64	1-23/32	14.2
469055	2B5V78	8.00	7.32	7.72	7.82	0.78	3B	Q1	2.5	0	1.72	12.8
469056	2B5V80	8.28	7.6	8	8.1	33/64	4W	B	1-15/16	11/64	1-23/32	11.3
469057	2B5V83	8.5	7.82	8.22	8.32	0.76	3W	Q1	2.5	0.02	1.72	14.13
469058	2B5V86	8.88	8.2	8.6	8.7	33/64	4W	B	1-15/16	11/64	1-23/32	10.6
469059	2B5V88	9	8.32	8.72	8.82	0.75	4W	Q1	2.5	0	1.72	15.27
469060	2B5V90	9.28	8.6	9	9.1	33/64	4A	B	1-15/16	11/64	1-23/32	11.1
469061	2B5V94	9.68	9	9.4	9.5	33/64	4A	B	1-15/16	11/64	1-23/32	11.6
469062	2B5V101	10.3	9.62	10.02	10.12	0.75	4W	Q1	2.5	0	1.72	18.53
469063	2B5V107	10.9	10.22	10.62	10.72	0.75	2A	Q1	2.5	0.016	1.72	19
469064	2B5V110	11.28	10.6	11	11.1	33/64	4A	B	1-15/16	11/64	1-23/32	14.4
469065	2B5V116	11.8	11.12	11.52	11.62	0.75	2A	Q1	2.5	0.016	1.72	19.5
469066	2B5V124	12.68	12	12.4	12.5	33/64	4A	B	1-15/16	11/64	1-23/32	17.1
469067	2B5V133	13.2	12.52	12.92	13.02	0.75	2A	Q1	2.5	0.016	1.72	21.3
469068	2B5V136	13.88	13.2	13.6	13.7	33/64	4A	B	1-15/16	11/64	1-23/32	19.3
469069	2B5V138	14	13.32	13.72	13.82	1.016	2A	R1	2.875	0.141	1.72	23.8
469070	2B5V148	15	14.32	14.72	14.82	1.016	2W	R1	2.875	0.141	1.72	34.13
469071	2B5V154	15.68	15	15.4	15.5	33/64	4A	B	1-15/16	11/64	1-23/32	23.2
469072	2B5V158	16	15.32	15.72	15.82	1.016	2A	R1	2.875	0.141	1.72	30.23
469073	2B5V160	16.28	15.6	16	16.1	33/64	4A	B	1-15/16	11/64	1-23/32	24.2
469074	2B5V184	18.68	18	18.4	18.5	33/64	4A	B	1-15/16	11/64	1-23/32	33.2
469075	2B5V200	20.28	19.5	20	20.1	33/64	4A	B	1-15/16	11/64	1-23/32	34.8
469076	2B5V211	21.2	20.52	20.92	21.02	0.875	2A	R1	2.875	0.141	1.72	44.46
469077	2B5V234	23.68	22.9	23.4	23.5	33/64	4A	B	1-15/16	11/64	1-23/32	37.9
469078	2B5V250	25.28	24.5	25	25.1	33/64	4A	B	1-15/16	11/64	1-23/32	47
469079	2B5V278	28.08	27.3	27.8	27.9	33/64	4A	B	1-15/16	11/64	1-23/32	55.9
469080	2B5V300	30.35	29.67	30.07	30.17	0.75	2A	Q1	2.5	0.016	1.72	75.1



Type 2



Type 3



Type 4

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

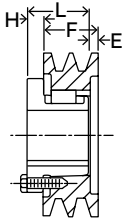
Bushing Products

Accessories Products

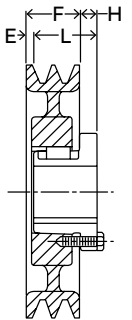
Split taper sheaves

3 grooves

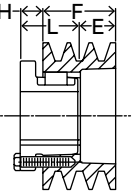
Part number	Description	OD	Diameter			H	Type	Bushing	L	E	F	Weight (lbs.)
			Datum A belts	Datum B belts	Pitch 5V belts							
469081	3B34	3.75	3	3.4	–	1.0625	3B	P2	2.9375	0.625	2.5	3.8
469082	3B36	3.95	3.2	3.6	–	1.0625	3B	P2	2.9375	0.625	2.5	4.4
469083	3B38	4.15	3.4	3.8	–	0.625	5B	P1	1.9375	1.1875	2.5	3.8
469084	3B40	4.35	3.6	4	–	0.625	5B	P1	1.9375	1.1875	2.5	4.5
469085	3B5V42	4.48	3.8	4.2	4.3	5/8	5B	P1	1-15/16	1-1/8	2-7/16	4.8
469086	3B5V44	4.68	4	4.4	4.5	1/32	5B	P1	1-15/16	17/32	2-7/16	5.2
469087	3B5V46	4.88	4.2	4.6	4.7	3/4	5B	B	1-15/16	1-3/16	2-7/16	4.9
469088	3B5V48	5.08	4.4	4.8	4.9	3/4	5B	B	1-15/16	1-3/16	2-7/16	5.5
469089	3B5V50	5.28	4.6	5	5.1	3/4	5B	B	1-15/16	1-3/16	2-7/16	6.1
469090	3B5V52	5.48	4.8	5.2	5.3	3/4	5B	B	1-15/16	1-3/16	2-7/16	6.7
469091	3B5V54	5.68	5	5.4	5.5	5/32	3B	B	1-15/16	19/32	2-7/16	7.4
469092	3B5V56	5.88	5.2	5.6	5.7	5/32	3B	B	1-15/16	17/32	2-7/16	8.4
469093	3B5V58	6.08	5.4	5.8	5.9	5/32	3B	B	1-15/16	17/32	2-7/16	9.5
469094	3B5V60	6.28	5.6	6	6.1	5/32	3B	B	1-15/16	17/32	2-7/16	10.6
469095	3B5V62	6.48	5.8	6.2	6.3	5/32	3B	B	1-15/16	17/32	2-7/16	9.8
469096	3B5V64	6.68	6	6.4	6.5	5/32	3B	B	1-15/16	17/32	2-7/16	10.5
469097	3B5V66	6.88	6.2	6.6	6.7	5/32	3B	B	1-15/16	17/32	2-7/16	10.4
469098	3B5V68	7.08	6.4	6.8	6.9	5/32	3B	B	1-15/16	17/32	2-7/16	10.9
469099	3B5V70	7.28	6.6	7	7.1	5/32	3B	B	1-15/16	17/32	2-7/16	11.5
469100	3B5V74	7.68	7	7.4	7.5	5/32	3B	B	1-15/16	17/32	2-7/16	12.6
469101	3B5V78	8	7.32	7.72	7.82	0.656	3B	R1	2.875	0.219	2.4375	14.4
469102	3B5V80	8.28	7.6	8	8.1	5/32	4W	B	1-15/16	17/32	2-7/16	14.2
469103	3B5V83	8.5	7.82	8.22	8.32	0.435	3B	R1	2.875	0	2.4375	17
469104	3B5V86	8.88	8.2	8.6	8.7	5/32	4W	B	1-15/16	17/32	2-7/16	13.7
469105	3B5V88	9	8.32	8.72	8.82	0.435	3B	R1	2.875	0	2.4375	19.8
469106	3B5V90	9.28	8.6	9	9.1	5/32	4A	B	1-15/16	17/32	2-7/16	14.5
469107	3B5V94	9.68	9	9.4	9.5	5/32	4A	B	1-15/16	17/32	2-7/16	17
469108	3B5V101	10.3	9.62	10.02	10.12	0.655	4W	R1	2.875	0.22	2.4375	22.67
469109	3B5V107	10.9	10.22	10.62	10.72	0.655	4W	R1	2.875	0.22	2.4375	24.49
469110	3B5V110	11.28	10.6	11	11.1	5/32	4A	B	1-15/16	17/32	2-7/16	19.8
469111	3B5V116	11.8	11.12	11.52	11.62	0.655	4W	R1	2.875	0.22	2.4375	27.37
469112	3B5V124	12.68	12	12.4	12.5	5/32	4A	B	1-15/16	17/32	2-7/16	22.1
469113	3B5V133	13.2	12.52	12.92	13.02	0.655	4A	R1	2.875	0.22	2.4375	28.4
469114	3B5V136	13.88	13.2	13.6	13.7	5/32	4A	B	1-15/16	17/32	2-7/16	24.9
469115	3B5V138	14	13.32	13.72	13.82	0.655	4W	R1	2.875	0.22	2.4375	35.14
469116	3B5V148	15	14.32	14.72	14.82	0.655	4W	R1	2.875	0.22	2.4375	38.95
469117	3B5V154	15.68	15	15.4	15.5	5/32	4A	B	1-15/16	17/32	2-7/16	30.4
469118	3B5V158	16	15.32	15.72	15.82	0.655	4A	R1	2.875	0.22	2.4375	37.84
469119	3B5V160	16.28	15.6	16	16.1	5/32	4A	B	1-15/16	17/32	2-7/16	31.7
469120	3B5V184	18.68	18	18.4	18.5	5/32	4A	B	1-15/16	17/32	2-7/16	40.9
469121	3B5V200	20.28	19.5	20	20.1	5/32	4A	B	1-15/16	17/32	2-7/16	47.6
469122	3B5V211	21.2	20.52	20.92	21.02	0.655	4A	R1	2.875	0.22	2.4375	56.72
469123	3B5V234	23.68	22.9	23.4	23.5	5/32	4A	B	1-15/16	17/32	2-7/16	61.5
469124	3B5V250	25.28	24.5	25	25.1	5/32	4A	B	1-15/16	17/32	2-7/16	66.6
469125	3B5V278	28.08	27.3	27.8	27.9	5/32	4A	B	1-15/16	17/32	2-7/16	79.1
469126	3B5V300	30.35	29.67	30.07	30.17	0.4	4A	Q1	2.5	0.35	2.4375	99.62



Type 3



Type 4

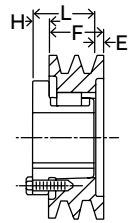


Type 5

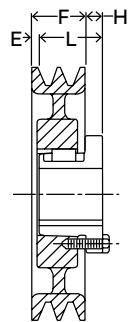
Split taper sheaves

4 grooves

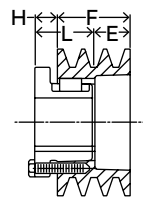
Part number	Description	OD	Diameter			H	Type	Bushing	L	E	F	Weight (lbs.)
			Datum A belts	Datum B belts	Pitch 5V belts							
469127	4B34	3.75	3	3.4	–	1.1875	3B	P2	2.9375	1.375	3.25	4.5
469128	4B36	3.95	3.2	3.6	–	1.1875	3B	P2	2.9375	1.375	3.25	5.3
469129	4B38	4.15	3.4	3.8	–	0.625	5B	P1	1.9375	1.9375	3.25	4.8
469130	4B40	4.35	3.6	4	–	0.625	5B	P1	1.9375	1.9375	3.25	5.5
469131	4B5V42	4.48	3.8	4.2	4.3	5/8	5B	P1	1-15/16	–	3-5/32	5.9
469132	4B5V44	4.68	4.0	4.4	4.5	3/64	5B	P1	1-15/16	–	3-5/32	6.3
469133	4B5V46	4.88	4.2	4.6	4.7	3/4	5B	B	1-15/16	–	3-5/32	6.1
469134	4B5V48	5.08	4.4	4.8	4.9	3/4	5B	B	1-15/16	–	3-5/32	6.7
469135	4B5V50	5.28	4.6	5.0	5.1	3/4	5B	B	1-15/16	–	3-5/32	7.4
469136	4B5V52	5.48	4.8	5.2	5.3	3/4	5B	B	1-15/16	–	3-5/32	8.0
469137	4B5V54	5.68	5.0	5.4	5.5	–	3B	B	1-15/16	61/64	3-5/32	8.9
469138	4B5V56	5.88	5.2	5.6	5.7	–	3B	B	1-15/16	57/64	3-5/32	9.5
469139	4B5V58	6.08	5.4	5.8	5.9	–	3B	B	1-15/16	57/64	3-5/32	10.3
469140	4B5V60	6.28	5.6	6.0	6.1	–	3B	B	1-15/16	57/64	3-5/32	11.0
469141	4B5V62	6.48	5.8	6.2	6.3	–	3B	B	1-15/16	57/64	3-5/32	11.3
469142	4B5V64	6.68	6.0	6.4	6.5	–	3B	B	1-15/16	57/64	3-5/32	12.1
469143	4B5V66	6.88	6.2	6.6	6.7	–	3B	B	1-15/16	57/64	3-5/32	12.0
469144	4B5V68	7.08	6.4	6.8	6.9	–	3B	B	1-15/16	57/64	3-5/32	12.6
469145	4B5V70	7.28	6.6	7.0	7.1	–	3B	B	1-15/16	57/64	3-5/32	13.2
469146	4B5V74	7.68	7.0	7.4	7.5	–	3B	B	1-15/16	57/64	3-5/32	14.5
469147	4B5V78	8	7.32	7.72	7.82	-0.285	5B	R1	2.875	0	3.16	18.96
469148	4B5V80	8.28	7.6	8.0	8.1	–	3B	B	1-15/16	57/64	3-5/32	15.2
469149	4B5V83	8.5	7.82	8.22	8.32	-0.285	5B	R1	2.875	0	3.16	22.26
469150	4B5V86	8.88	8.2	8.6	8.7	–	3B	B	1-15/16	57/64	3-5/32	16.6
469151	4B5V88	9	8.32	8.72	8.82	-0.285	5B	R1	2.875	0	3.16	25.82
469152	4B5V90	9.28	8.6	9.0	9.1	–	4W	B	1-15/16	57/64	3-5/32	17.6
469153	4B5V94	9.68	9.0	9.4	9.5	–	4W	B	1-15/16	57/64	3-5/32	20.0
469154	4B5V101	10.3	9.62	10.02	10.12	0.295	4W	R1	2.875	0.58	3.16	26.19
469155	4B5V107	10.9	10.22	10.62	10.72	0.295	4W	R1	2.875	0.58	3.16	28.13
469156	4B5V110	11.28	10.6	11.0	11.1	–	4A	B	1-15/16	57/64	3-5/32	22.8
469157	4B5V116	11.8	11.12	11.52	11.62	0.295	4W	R1	2.875	0.58	3.16	31.78
469158	4B5V124	12.68	12.0	12.4	12.5	–	4A	B	1-15/16	57/64	3-5/32	26.5
469159	4B5V133	13.2	12.52	12.92	13.02	0.295	4W	R1	2.875	0.58	3.16	37.49
469160	4B5V136	13.88	13.2	13.6	13.7	–	4A	B	1-15/16	57/64	3-5/32	30.7
469161	4B5V138	14	13.32	13.72	13.82	0.295	4W	R1	2.875	0.58	3.16	40.87
469162	4B5V148	15	14.32	14.72	14.82	0.295	4W	R1	2.875	0.58	3.16	45.53
469163	4B5V154	15.68	15.0	15.4	15.5	–	4A	B	1-15/16	57/64	3-5/32	37.9
469164	4B5V158	16	15.32	15.72	15.82	0.295	4A	R1	2.875	0.58	3.16	45.18
469165	4B5V160	16.28	15.6	16.0	16.1	–	4A	B	1-15/16	57/64	3-5/32	40.5
469166	4B5V184	18.68	18.0	18.4	18.5	–	4A	B	1-15/16	57/64	3-5/32	50.7
469167	4B5V200	20.28	19.5	20.0	20.1	–	4A	B	1-15/16	57/64	3-5/32	58.5
469168	4B5V211	21.2	20.52	20.92	21.02	0.295	4A	R1	2.875	0.58	3.16	68.64
469169	4B5V234	23.68	23	23.4	23.5	-0.268	4A	B	1.938	0.954	3.16	73.4
469170	4B5V250	25.28	24.5	25.0	25.1	–	4A	B	1-15/16	57/64	3-5/32	83.8
469171	4B5V278	28.08	27.3	27.8	27.9	–	4A	B	1-15/16	57/64	3-5/32	94.3
469172	4B5V300	30.35	29.67	30.07	30.17	0.04	4A	Q1	2.5	0.7	3.16	121.74



Type 3



Type 4



Type 5

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

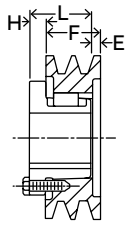
Bushing Products

Accessories Products

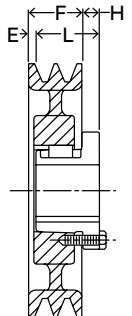
Split taper sheaves

5 grooves

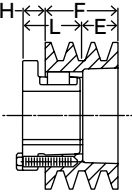
Part number	Description	OD	Diameter			H	Type	Bushing	L	E	F	Weight (lbs.)
			Datum A belts	Datum B belts	Pitch 5V belts							
469173	5B34	3.75	3	3.4	–	1.0625	3B	P2	2.938	2.125	4	5.3
469174	5B36	3.95	3.2	3.6	–	1.0625	3B	P2	2.938	2.125	4	6.1
469175	5B38	4.15	3.4	3.8	–	0.625	3B	P2	2.938	1.6875	4	6.1
469176	5B40	4.35	3.6	4	–	0.625	5B	P2	2.938	1.688	4	7
469177	5B5V42	4.48	3.8	4.2	4.3	0.625	5B	P2	2.938	1.562	3.875	7.5
469178	5B5V44	4.68	4	4.4	4.5	0.046875	5B	P2	2.938	0.983875	3.875	8.3
469179	5B5V46	4.88	4.2	4.6	4.7	0.75	5B	P2	2.938	1.687	3.875	9.2
469180	5B5V48	5.08	4.4	4.8	4.9	0.75	5B	P2	2.938	1.687	3.875	10.2
469181	5B5V50	5.28	4.6	5	5.1	0.75	5B	Q1	2.5	2.125	3.875	8.7
469182	5B5V52	5.48	4.8	5.2	5.3	0.75	5B	Q1	2.5	2.125	3.875	9.5
469183	5B5V54	5.68	5	5.4	5.5	0.75	5B	Q1	2.5	2.125	3.875	10.4
469184	5B5V56	5.88	5.2	5.6	5.7	0.75	5B	Q1	2.5	2.125	3.875	11.3
469185	5B5V58	6.08	5.4	5.8	5.9	0.75	5B	Q1	2.5	2.125	3.875	12.3
469186	5B5V60	6.28	5.6	6	6.1	0.125	3B	Q1	2.5	1.5	3.875	13.3
469187	5B5V62	6.48	5.8	6.2	6.3	0.125	3B	Q1	2.5	1.5	3.875	14.3
469188	5B5V64	6.68	6	6.4	6.5	0.125	3B	Q1	2.5	1.5	3.875	15.3
469189	5B5V66	6.88	6.2	6.6	6.7	0.125	3B	Q1	2.5	1.5	3.875	16.4
469190	5B5V68	7.08	6.4	6.8	6.9	0.125	3B	Q1	2.5	1.5	3.875	17.5
469191	5B5V70	7.28	6.6	7	7.1	0.093	3B	Q2	3.5	0.468	3.875	22.8
469192	5B5V74	7.68	7	7.4	7.5	0.093	3B	Q2	3.5	0.468	3.875	26
469193	5B5V78	8	7.32	7.72	7.82	-0.063	3B	R1	2.875	0.938	3.875	21.2
469194	5B5V80	8.28	7.6	8	8.1	0	3B	R1	2.875	1	3.875	23.1
469195	5B5V83	8.5	7.82	8.22	8.32	0	3B	R1	2.875	1	3.875	24.76
469196	5B5V86	8.88	8.2	8.6	8.7	0	3B	R1	2.875	1	3.875	27.5
469197	5B5V88	9	8.32	8.72	8.82	-0.0625	3B	R1	2.875	0.9375	3.875	28.4
469198	5B5V90	9.28	8.6	9	9.1	0	3B	R1	2.875	1	3.875	30.6
469199	5B5V94	9.68	9	9.4	9.5	0	3B	R1	2.875	1	3.875	27.5
469200	5B5V101	10.3	9.62	10.02	10.12	-0.0625	4W	R1	2.875	0.9375	3.875	30.1
469201	5B5V107	10.9	10.22	10.62	10.72	-0.0625	4W	R1	2.875	0.9375	3.875	32.7
469202	5B5V110	11.28	10.6	11	11.1	-0.0625	4W	R1	2.875	0.9375	3.875	34.4
469203	5B5V116	11.8	11.12	11.52	11.62	-0.0625	4W	R1	2.875	0.9375	3.875	36.8
469204	5B5V124	12.68	12	12.4	12.5	-0.0625	4W	R1	2.875	0.9375	3.875	41.1
469205	5B5V133	13.2	12.52	12.92	13.02	-0.06	4A	R1	2.875	0.9375	3.875	39.67
469206	5B5V136	13.88	13.2	13.6	13.7	-0.06	4W	R1	2.875	0.9375	3.875	47.33
469207	5B5V138	14	13.32	13.72	13.82	-0.06	4W	R1	2.875	0.9375	3.875	48.13
469208	5B5V148	15	14.32	14.72	14.82	-0.06	4W	R1	2.875	0.9375	3.875	53.5
469209	5B5V154	15.68	15	15.4	15.5	-0.06	4A	R1	2.875	0.9375	3.875	50.97
469210	5B5V158	16	15.32	15.72	15.82	-0.06	4A	R1	2.875	0.9375	3.875	52.42
469211	5B5V160	16.28	15.6	16	16.1	-0.06	4A	R1	2.875	0.9375	3.875	53.8
469212	5B5V184	18.68	18	18.4	18.5	-0.06	4A	R1	2.875	0.9375	3.875	66.21
469213	5B5V200	20.28	19.6	20	20.1	-0.063	4A	R1	2.875	0.9375	3.875	70.1
469214	5B5V211	21.2	20.52	20.92	21.02	0.78	4A	S1	4.375	0.285	3.875	95.31
469215	5B5V250	25.28	24.6	25	25.1	-0.063	4A	R1	2.875	0.9375	3.875	97.7
469216	5B5V278	28	27.32	27.72	27.82	0.78	4A	S1	4.375	0.285	3.875	137.09
469217	5B5V300	30.35	29.67	30.07	30.17	-0.06	4A	R1	2.875	0.9375	3.875	141.16



Type 3



Type 4

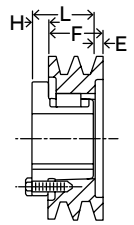


Type 5

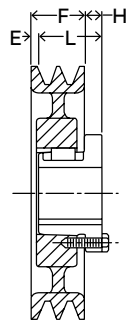
Split taper sheaves

6 grooves

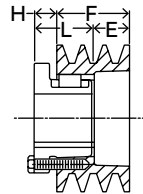
Part number	Description	OD	Diameter			H	Type	Bushing	L	E	F	Weight (lbs.)
			Datum A belts	Datum B belts	Pitch 5V belts							
469218	6B34	3.75	3	3.4	–	0.625	3B	P2	2.938	2.938	4.75	6.1
469219	6B36	3.95	3.2	3.6	–	0.625	3B	P2	2.938	2.938	4.75	7.3
469220	6B38	4.15	3.4	3.8	–	0.625	5B	P2	2.938	2.938	4.75	7
469221	6B40	4.35	3.6	4	–	0.625	5B	P2	2.938	2.438	4.75	8.1
469222	6B5V42	4.48	3.8	4.2	4.3	0.625	5B	P2	2.938	2.282	4.594	8.5
469223	6B5V44	4.68	4	4.4	4.5	0.625	5B	P2	2.938	2.282	4.594	9.5
469224	6B5V46	4.88	4.2	4.6	4.7	0.625	5B	P2	2.938	2.282	4.594	10.4
469225	6B5V48	5.08	4.4	4.8	4.9	0.625	5B	P2	2.938	2.282	4.594	11.4
469226	6B5V50	5.28	4.6	5	5.1	0.75	5B	Q2	3.5	1.844	4.594	10.7
469227	6B5V52	5.48	4.8	5.2	5.3	0.75	5B	Q2	3.5	1.844	4.594	11.9
469228	6B5V54	5.68	5	5.4	5.5	0.75	5B	Q2	3.5	1.844	4.594	13.2
469229	6B5V56	5.88	5.2	5.6	5.7	0.75	5B	Q2	3.5	1.844	4.594	30.2
469230	6B5V58	6.08	5.4	5.8	5.9	0	3B	Q1	2.5	2.094	4.594	13.9
469231	6B5V60	6.28	5.6	6	6.1	0	3B	Q1	2.5	2.094	4.594	30.5
469232	6B5V62	6.48	5.8	6.2	6.3	0	3B	Q1	2.5	2.094	4.594	16
469233	6B5V64	6.68	6	6.4	6.5	0	3B	Q1	2.5	2.094	4.594	17.1
469234	6B5V66	6.88	6.2	6.6	6.7	0	3B	Q1	2.5	2.094	4.594	18.3
469235	6B5V68	7.08	6.4	6.8	6.9	0	3B	Q1	2.5	2.094	4.594	20.4
469236	6B5V70	7.28	6.6	7	7.1	-0.266	3B	Q2	3.5	0.828	4.594	25.5
469237	6B5V74	7.68	7	7.4	7.5	-1.1	B	Q2	3.5	0	4.6	31.2
469238	6B5V78	8	7.32	7.72	7.82	-0.36	3B	R1	2.875	1.359	4.594	23.5
469239	6B5V80	8.28	7.6	8	8.1	-0.36	3B	R1	2.875	1.359	4.594	26.4
469240	6B5V83	8.5	7.82	8.22	8.32	-0.365	3B	R1	2.875	1.36	4.6	27.2
469241	6B5V86	8.88	8.2	8.6	8.7	-0.36	3B	R1	2.875	1.359	4.594	30.6
469242	6B5V88	9	8.32	8.72	8.82	-0.422	3B	R1	2.875	1.297	4.594	31.5
469243	6B5V90	9.28	8.6	9	9.1	-0.36	3B	R1	2.875	1.359	4.594	34
469244	6B5V94	9.68	9	9.4	9.5	-0.36	3B	R1	2.875	1.359	4.594	36.7
469245	6B5V101	10.3	9.62	10.02	10.12	-0.422	4W	R1	2.875	1.297	4.594	34.7
397037	6B5V107	10.9	10.22	10.62	10.72	-0.425	4W	R1	2.875	1.3	4.6	37.2
469247	6B5V110	11.28	10.6	11	11.1	-0.423	4W	R1	2.875	1.298	4.594	39.2
469248	6B5V116	11.8	11.12	11.52	11.62	-0.425	4W	R1	2.875	1.3	4.6	42.1
469249	6B5V124	12.68	12	12.4	12.5	-0.423	4W	R1	2.875	1.298	4.594	50.5
469250	6B5V133	13.2	12.52	12.92	13.02	0.415	4W	S1	4.375	0.64	4.6	66.2
469251	6B5V136	13.88	13.2	13.6	13.7	-0.425	4W	R1	2.875	1.3	4.6	54.6
469252	6B5V138	14	13.32	13.72	13.82	0.415	4W	S1	4.375	0.64	4.6	71.2
469253	6B5V148	15	14.32	14.72	14.82	0.415	4W	S1	4.375	0.64	4.6	77.8
469254	6B5V154	15.68	15	15.4	15.5	-0.425	4A	R1	2.875	1.3	4.6	54.6
469255	6B5V158	16	15.32	15.72	15.82	0.415	4A	S1	4.375	0.64	4.6	73.5
469256	6B5V160	16.28	15.6	16	16.1	-0.425	4A	R1	2.875	1.3	4.6	57.6
469257	6B5V184	18.68	18	18.4	18.5	-0.425	4A	R1	2.875	1.3	4.6	70.5
469258	6B5V200	20.28	19.6	20	20.1	-0.425	4A	R1	2.875	1.3	4.6	79.5
469259	6B5V211	21.2	20.52	20.92	21.02	0.415	4A	S1	4.375	0.64	4.6	101.2
469260	6B5V250	25.28	24.6	25	25.1	-0.422	4A	R1	2.875	1.297	4.594	118.8
397038	6B5V278	28	27.32	27.72	27.82	0.415	4A	S1	4.375	0.64	0.46	144.9
469262	6B5V300	30.35	29.67	30.07	30.17	-0.425	4A	R1	2.875	1.3	0.46	148



Type 3



Type 4



Type 5

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Split taper sheaves

Interchange guide

1 groove

Datum A belts	Datum B belts	Pitch 5V belts	OD	Dodge ST sheaves			Competitor B5V sheaves		Competitor TB sheaves		Competitor 5V sheaves	
				Part number	Description	Bushing	Part number	Bushing	Part number	Bushing	Part number	Bushing
3"	3.4"	–	3.75"	469000	1B34	P1	–	–	1TB34	P1	–	–
3.2	3.6	–	3.95	469001	1B36	P1	–	–	1TB36	P1	–	–
3.4	3.8	–	4.15	469002	1B38	P1	–	–	1TB38	P1	–	–
3.6	4	–	4.35	469003	1B40	P1	–	–	1TB40	P1	–	–
3.8	4.2	4.3	4.48	469004	1B5V42	P1	1B5V42	P1	1TB42	P1	–	–
4	4.4	4.5	4.68	469005	1B5V44	P1	1B5V44	P1	1TB44	P1	–	–
4.2	4.6	4.7	4.88	469006	1B5V46	B	1B5V46	B	1TB46	P1	–	–
4.4	4.8	4.9	5.08	469007	1B5V48	B	1B5V48	B	1TB48	P1	–	–
4.6	5	5.1	5.28	469008	1B5V50	B	1B5V50	B	1TB50	P1	–	–
4.8	5.2	5.3	5.48	469009	1B5V52	B	1B5V52	B	1TB52	P1	–	–
5	5.4	5.5	5.68	469010	1B5V54	B	1B5V54	B	1TB54	P1	–	–
5.2	5.6	5.7	5.88	469011	1B5V56	B	1B5V56	B	1TB56	P1	–	–
5.4	5.8	5.9	6.08	469012	1B5V58	B	1B5V58	B	1TB58	P1	–	–
5.6	6	6.1	6.28	469013	1B5V60	B	1B5V60	B	1TB60	P1	–	–
5.8	6.2	6.3	6.48	469014	1B5V62	B	1B5V62	B	1TB62	P1	–	–
6	6.4	6.5	6.68	469015	1B5V64	B	1B5V64	B	1TB64	P1	–	–
6.2	6.6	6.7	6.88	469016	1B5V66	B	1B5V66	B	1TB66	P1	–	–
6.4	6.8	6.9	7.08	469017	1B5V68	B	1B5V68	B	1TB68	P1	–	–
6.6	7	7.1	7.28	469018	1B5V70	B	1B5V70	B	1TB70	P1	–	–
7	7.4	7.5	7.68	469019	1B5V74	B	1B5V74	B	1TB74	P1	–	–
7.6	8	8.1	8.28	469020	1B5V80	B	1B5V80	B	1TB80	P1	–	–
8.2	8.6	8.7	8.88	469021	1B5V86	B	1B5V86	B	1TB86	P1	–	–
8.6	9	9.1	9.28	469022	1B5V90	B	1B5V90	B	1TB90	P1	–	–
9	9.4	9.5	9.68	469023	1B5V94	B	1B5V94	B	1TB94	P1	–	–
10.6	11	11.1	11.28	469024	1B5V110	B	1B5V110	B	1TB110	P1	–	–
12	12.4	12.5	12.68	469025	1B5V124	B	1B5V124	B	1TB124	Q1	–	–
13.2	13.6	13.7	13.88	469026	1B5V136	B	1B5V136	B	1TB136	Q1	–	–
15	15.4	15.5	15.68	469027	1B5V154	B	1B5V154	B	1TB154	Q1	–	–
15.6	16	16.1	16.28	469028	1B5V160	B	1B5V160	B	1TB160	Q1	–	–
18	18.4	18.5	18.68	469029	1B5V184	B	1B5V184	B	1TB184	Q1	–	–
19.5	20	20.1	20.28	469030	1B5V200	B	1B5V200	B	1TB200	Q1	–	–
22.9	23.4	23.5	23.68	469031	1B5V234	B	1B5V234	B	–	–	–	–
24.5	25	25.1	25.28	469032	1B5V250	B	1B5V250	B	1TB250	Q1	–	–
27.3	27.8	27.9	28.08	469033	1B5V278	B	1B5V278	B	–	–	–	–
29.5	30	30.1	30.35	469034	1B5V300	Q1	–	–	1TB300	Q1	–	–

Split taper sheaves

Interchange guide

2 grooves

Datum A belts	Datum B belts	Pitch 5V belts	OD	Dodge ST sheaves			Competitor B5V sheaves		Competitor TB sheaves		Competitor 5V sheaves	
				Part number	Description	Bushing	Part number	Bushing	Part number	Bushing	Part number	Bushing
3"	3.4"	–	3.75"	469035	2B34	P1	–	–	2TB34	P1	–	–
3.2	3.6	–	3.95	469036	2B36	P1	–	–	2TB36	P1	–	–
3.4	3.8	–	4.15	469037	2B38	P1	–	–	2TB38	P1	–	–
3.6	4	–	4.35	469038	2B40	P1	–	–	2TB40	P1	–	–
3.8	4.2	4.3	4.48	469039	2B5V42	P1	2B5V42	P1	2TB42	P1	2P5V44	P1
4	4.4	4.5	4.68	469040	2B5V44	P1	2B5V44	P1	2TB44	P1	2Q5V46	Q1
4.2	4.6	4.7	4.88	469041	2B5V46	B	2B5V46	B	2TB46	P1	2Q5V49	Q1
4.4	4.8	4.9	5.08	469042	2B5V48	B	2B5V48	B	2TB48	P1	–	–
4.6	5	5.1	5.28	469043	2B5V50	B	2B5V50	B	2TB50	P1	2Q5V52	Q1
4.8	5.2	5.3	5.48	469044	2B5V52	B	2B5V52	B	2TB52	P1	2Q5V55	Q1
5	5.4	5.5	5.68	469045	2B5V54	B	2B5V54	B	2TB54	P1	–	–
5.2	5.6	5.7	5.88	469046	2B5V56	B	2B5V56	B	2TB56	P1	2Q5V59	Q1
5.4	5.8	5.9	6.08	469047	2B5V58	B	2B5V58	B	2TB58	P1	–	–
5.6	6	6.1	6.28	469048	2B5V60	B	2B5V60	B	2TB60	P1	2Q5V63	Q1
5.8	6.2	6.3	6.48	469049	2B5V62	B	2B5V62	B	2TB62	P1	–	–
6	6.4	6.5	6.68	469050	2B5V64	B	2B5V64	B	2TB64	P1	–	–
6.2	6.6	6.7	6.88	469051	2B5V66	B	2B5V66	B	2TB66	P1	2Q5V67	Q1
6.4	6.8	6.9	7.08	469052	2B5V68	B	2B5V68	B	2TB68	P1	2Q5V71	Q1
6.6	7	7.1	7.28	469053	2B5V70	B	2B5V70	B	2TB70	Q1	–	–
7	7.4	7.5	7.68	469054	2B5V74	B	2B5V74	B	2TB74	Q1	2Q5V75	Q1
7.4	7.8	7.9	8	469055	2B5V78	Q1	–	–	–	–	2Q5V80	Q1
7.6	8	8.1	8.28	469056	2B5V80	B	2B5V80	B	2TB80	Q1	–	–
7.9	8.3	8.4	8.5	469057	2B5V83	Q1	–	–	–	–	2Q5V85	Q1
8.2	8.6	8.7	8.88	469058	2B5V86	B	2B5V86	B	2TB86	Q1	–	–
8.4	8.8	8.9	9	469059	2B5V88	Q1	–	–	–	–	2Q5V90	Q1
8.6	9	9.1	9.28	469060	2B5V90	B	2B5V90	B	2TB90	Q1	2Q5V92	Q1
9	9.4	9.5	9.68	469061	2B5V94	B	2B5V94	B	2TB94	Q1	2Q5V97	Q1
9.7	10.1	10.2	10.3	469062	2B5V101	Q1	–	–	–	–	2Q5V103	Q1
10.3	10.7	10.8	10.9	469063	2B5V107	Q1	–	–	–	–	2Q5V109	Q1
10.6	11	11.1	11.28	469064	2B5V110	B	2B5V110	B	2TB110	Q1	–	–
11.2	11.6	11.7	11.8	469065	2B5V116	Q1	–	–	–	–	2Q5V118	Q1
12	12.4	12.5	12.68	469066	2B5V124	B	2B5V124	B	2TB124	Q1	2Q5V125	Q1
12.6	13	13.1	13.2	469067	2B5V133	Q1	–	–	–	–	2Q5V132	Q1
13.2	13.6	13.7	13.88	469068	2B5V136	B	2B5V136	B	2TB136	Q1	–	–
13.4	13.8	13.9	14	469069	2B5V138	R1	–	–	–	–	2R5V140	R1
14.4	14.8	14.9	15	469070	2B5V148	R1	–	–	–	–	2R5V150	R1
15	15.4	15.5	15.68	469071	2B5V154	B	2B5V154	B	2TB154	Q1	–	–
15.4	15.8	15.9	16	469072	2B5V158	R1	–	–	–	–	2R5V160	R1
15.6	16	16.1	16.28	469073	2B5V160	B	2B5V160	B	2TB160	Q1	–	–
18	18.4	18.5	18.68	469074	2B5V184	B	2B5V184	B	2TB184	Q1	–	–
19.5	20	20.1	20.28	469075	2B5V200	B	2B5V200	B	2TB200	Q1	–	–
20.6	21	21.1	21.2	469076	2B5V211	R1	–	–	–	–	2R5V212	R1
22.9	23.4	23.5	23.68	469077	2B5V234	B	2B5V234	B	–	–	–	–
24.5	25	25.1	25.28	469078	2B5V250	B	2B5V250	B	2TB250	Q1	–	–
27.3	27.8	27.9	28.08	469079	2B5V278	B	2B5V278	B	–	–	2R5V280	R1
29.5	30	30.1	30.35	469080	2B5V300	Q1	–	–	2TB300	Q1	–	–

Split taper sheaves

Interchange guide

3 grooves

Datum A belts	Datum B belts	Pitch 5V belts	OD	Dodge ST sheaves			Competitor B5V sheaves		Competitor TB sheaves		Competitor 5V sheaves	
				Part number	Description	Bushing	Part number	Bushing	Part number	Bushing	Part number	Bushing
3"	3.4"	–	3.75"	469081	3B34	P2	–	–	3TB34	P2	–	–
3.2	3.6	–	3.95	469082	3B36	P2	–	–	3TB36	P2	–	–
3.4	3.8	–	4.15	469083	3B38	P1	–	–	3TB38	P1	–	–
3.6	4	–	4.35	469084	3B40	P1	–	–	3TB40	P1	–	–
3.8	4.2	4.3	4.48	469085	3B5V42	P1	3B5V42	P1	3TB42	P1	3P5V44	P1
4	4.4	4.5	4.68	469086	3B5V44	P1	3B5V44	P1	3TB44	P1	3Q5V46	Q1
4.2	4.6	4.7	4.88	469087	3B5V46	B	3B5V46	B	3TB46	P1	–	–
4.4	4.8	4.9	5.08	469088	3B5V48	B	3B5V48	B	3TB48	P1	3Q5V49	Q1
4.6	5	5.1	5.28	469089	3B5V50	B	3B5V50	B	3TB50	P1	3Q5V52	Q1
4.8	5.2	5.3	5.48	469090	3B5V52	B	3B5V52	B	3TB52	P1	–	–
5	5.4	5.5	5.68	469091	3B5V54	B	3B5V54	B	3TB54	P1	3Q5V55	Q1
5.2	5.6	5.7	5.88	469092	3B5V56	B	3B5V56	B	3TB56	P1	–	–
5.4	5.8	5.9	6.08	469093	3B5V58	B	3B5V58	B	3TB58	P1	3Q5V59	Q1
5.6	6	6.1	6.28	469094	3B5V60	B	3B5V60	B	3TB60	P1	–	–
5.8	6.2	6.3	6.48	469095	3B5V62	B	3B5V62	B	3TB62	P1	3Q5V63	Q1
6	6.4	6.5	6.68	469096	3B5V64	B	3B5V64	B	3TB64	P1	–	–
6.2	6.6	6.7	6.88	469097	3B5V66	B	3B5V66	B	3TB66	P1	3Q5V67	Q1
6.4	6.8	6.9	7.08	469098	3B5V68	B	3B5V68	B	3TB68	P1	–	–
6.6	7	7.1	7.28	469099	3B5V70	B	3B5V70	B	3TB70	Q1	3Q5V71	Q1
7	7.4	7.5	7.68	469100	3B5V74	B	3B5V74	B	3TB74	Q1	3Q5V75	Q1
7.4	7.8	7.9	8	469101	3B5V78	R1	–	–	–	–	3R5V80	R1
7.6	8	8.1	8.28	469102	3B5V80	B	3B5V80	B	3TB80	Q1	–	–
7.9	8.3	8.4	8.5	469103	3B5V83	R1	–	–	–	–	3R5V85	R1
8.2	8.6	8.7	8.88	469104	3B5V86	B	3B5V86	B	3TB86	Q1	–	–
8.4	8.8	8.9	9	469105	3B5V88	R1	–	–	–	–	3R5V90	R1
8.6	9	9.1	9.28	469106	3B5V90	B	3B5V90	B	3TB90	Q1	3R5V92	R1
9	9.4	9.5	9.68	469107	3B5V94	B	3B5V94	B	3TB94	Q1	3R5V97	R1
9.7	10.1	10.2	10.3	469108	3B5V101	R1	–	–	–	–	3R5V103	R1
10.3	10.7	10.8	10.9	469109	3B5V107	R1	–	–	–	–	3R5V109	R1
10.6	11	11.1	11.28	469110	3B5V110	B	3B5V110	B	3TB110	Q1	–	–
11.2	11.6	11.7	11.8	469111	3B5V116	R1	–	–	–	–	3R5V118	R1
12	12.4	12.5	12.68	469112	3B5V124	B	3B5V124	B	3TB124	Q1	3R5V125	R1
12.6	13	13.1	13.2	469113	3B5V133	R1	–	–	–	–	3R5V132	R1
13.2	13.6	13.7	13.88	469114	3B5V136	B	3B5V136	B	3TB136	Q1	–	–
13.4	13.8	13.9	14	469115	3B5V138	R1	–	–	–	–	3R5V140	R1
14.4	14.8	14.9	15	469116	3B5V148	R1	–	–	–	–	3R5V150	R1
15	15.4	15.5	15.68	469117	3B5V15	B	3B5V154	B	3TB154	Q1	–	–
15.4	15.8	15.9	16	469118	3B5V158	R1	–	–	–	–	3R5V160	R1
15.6	16	16.1	16.28	469119	3B5V160	B	3B5V160	B	3TB160	Q1	–	–
18	18.4	18.5	18.68	469120	3B5V184	B	3B5V184	B	3TB184	Q1	–	–
19.5	20	20.1	20.28	469121	3B5V200	B	3B5V200	B	3TB200	Q1	–	–
20.6	21	21.1	21.2	469122	3B5V211	R1	–	–	–	–	3R5V212	R1
22.9	23.4	23.5	23.68	469123	3B5V234	B	3B5V234	B	–	–	–	–
24.5	25	25.1	25.28	469124	3B5V250	B	3B5V250	B	3TB250	Q1	–	–
27.3	27.8	27.9	28.08	469125	3B5V278	B	3B5V278	B	–	–	3R5V280	R1
29.5	30	30.1	30.35	469126	3B5V300	Q1	–	–	3TB300	Q1	–	–

Split taper sheaves

Interchange guide

4 grooves

Datum A belts	Datum B belts	Pitch 5V belts	OD	Dodge ST sheaves			Competitor B5V sheaves		Competitor TB sheaves		Competitor 5V sheaves	
				Part number	Description	Bushing	Part number	Bushing	Part number	Bushing	Part number	Bushing
3"	3.4"	–	3.75"	469127	4B34	P2	–	–	4TB34	P2	–	–
3.2	3.6	–	3.95	469128	4B36	P2	–	–	4TB36	P2	–	–
3.4	3.8	–	4.15	469129	4B38	P1	–	–	4TB38	P1	–	–
3.6	4	–	4.35	469130	4B40	P1	–	–	4TB40	P1	–	–
3.8	4.2	4.3	4.48	469131	4B5V42	P1	4B5V42	P1	4TB42	P1	–	–
4	4.4	4.5	4.68	469132	4B5V44	P1	4B5V44	P1	4TB44	P1	4Q5V46	Q2
4.2	4.6	4.7	4.88	469133	4B5V46	B	4B5V46	B	4TB46	P1	4Q5V49	Q1
4.4	4.8	4.9	5.08	469134	4B5V48	B	4B5V48	B	4TB48	P1	–	–
4.6	5	5.1	5.28	469135	4B5V50	B	4B5V50	B	4TB50	P1	4Q5V52	Q1
4.8	5.2	5.3	5.48	469136	4B5V52	B	4B5V52	B	4TB52	P1	4Q5V55	Q1
5	5.4	5.5	5.68	469137	4B5V54	B	4B5V54	B	4TB54	P1	–	–
5.2	5.6	5.7	5.88	469138	4B5V56	B	4B5V56	B	4TB56	P1	4Q5V59	Q1
5.4	5.8	5.9	6.08	469139	4B5V58	B	4B5V58	B	4TB58	P1	–	–
5.6	6	6.1	6.28	469140	4B5V60	B	4B5V60	B	4TB60	P1	4Q5V63	Q1
5.8	6.2	6.3	6.48	469141	4B5V62	B	4B5V62	B	4TB62	P1	–	–
6	6.4	6.5	6.68	469142	4B5V64	B	4B5V64	B	4TB64	P1	4Q5V67	Q1
6.2	6.6	6.7	6.88	469143	4B5V66	B	4B5V66	B	4TB66	P1	–	–
6.4	6.8	6.9	7.08	469144	4B5V68	B	4B5V68	B	4TB68	P1	4Q5V71	Q1
6.6	7	7.1	7.28	469145	4B5V70	B	4B5V70	B	4TB70	Q1	–	–
7	7.4	7.5	7.68	469146	4B5V74	B	4B5V74	B	4TB74	Q1	4Q5V75	Q1
7.4	7.8	7.9	8	469147	4B5V78	R1	–	–	–	–	4R5V80	R1
7.6	8	8.1	8.28	469148	4B5V80	B	4B5V80	B	4TB80	Q1	–	–
7.9	8.3	8.4	8.5	469149	4B5V83	R1	–	–	–	–	4R5V85	R1
8.2	8.6	8.7	8.88	469150	4B5V86	B	4B5V86	B	4TB86	Q1	–	–
8.4	8.8	8.9	9	469151	4B5V88	R1	–	–	–	–	4R5V90	R1
8.6	9	9.1	9.28	469152	4B5V90	B	4B5V90	B	4TB90	Q1	4R5V92	R1
9	9.4	9.5	9.68	469153	4B5V94	B	4B5V94	B	4TB94	Q1	4R5V97	R1
9.7	10.1	10.2	10.3	469154	4B5V101	R1	–	–	–	–	4R5V103	R1
10.3	10.7	10.8	10.9	469155	4B5V107	R1	–	–	–	–	4R5V109	R1
10.6	11	11.1	11.28	469156	4B5V110	B	4B5V110	B	4TB110	Q1	–	–
11.2	11.6	11.7	11.8	469157	4B5V116	R1	–	–	–	–	4R5V118	R1
12	12.4	12.5	12.68	469158	4B5V124	B	4B5V124	B	4TB124	Q1	4R5V125	R1
12.6	13	13.1	13.2	469159	4B5V133	R1	–	–	–	–	4R5V132	R1
13.2	13.6	13.7	13.88	469160	4B5V136	B	4B5V136	B	4TB136	Q1	–	–
13.4	13.8	13.9	14	469161	4B5V138	R1	–	–	–	–	4R5V140	R1
14.4	14.8	14.9	15	469162	4B5V148	R1	–	–	–	–	4R5V150	R1
15	15.4	15.5	15.68	469163	4B5V154	B	4B5V154	B	4TB154	Q1	–	–
15.4	15.8	15.9	16	469164	4B5V158	R1	–	–	–	–	4R5V160	R1
15.6	16	16.1	16.28	469165	4B5V160	B	4B5V160	B	4TB160	Q1	–	–
18	18.4	18.5	18.68	469166	4B5V184	B	4B5V184	B	4TB184	Q1	–	–
19.5	20	20.1	20.28	469167	4B5V200	B	4B5V200	B	4TB200	Q1	–	–
20.6	21	21.1	21.2	469168	4B5V211	R1	–	–	–	–	4R5V212	R1
22.9	23.4	23.5	23.68	469169	4B5V234	B	4B5V234	B	–	–	–	–
24.5	25	25.1	25.28	469170	4B5V250	B	4B5V250	B	4TB250	Q1	–	–
27.3	27.8	27.9	28.08	469171	4B5V278	B	4B5V278	B	–	–	4S5V280	S1
29.5	30	30.1	30.35	469172	4B5V300	Q1	–	–	4TB300	Q1	–	–

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Split taper sheaves

Interchange guide

5 grooves

Datum A belts	Datum B belts	Pitch 5V belts	OD	Dodge ST sheaves			Competitor B5V sheaves		Competitor TB sheaves		Competitor 5V sheaves	
				Part number	Description	Bushing	Part number	Bushing	Part number	Bushing	Part number	Bushing
3"	3.4"	–	3.75"	469173	5B34	P2	–	–	5TB34	P2	–	–
3.2	3.6	–	3.95	469174	5B36	P2	–	–	5TB36	P2	–	–
3.4	3.8	–	4.15	469175	5B38	P2	–	–	5TB38	P2	–	–
3.6	4	–	4.35	469176	5B40	P2	–	–	5TB40	P2	–	–
3.8	4.2	4.3	4.48	469177	5B5V42	P2	5B5V42	P2	5TB42	P2	–	–
4	4.4	4.5	4.68	469178	5B5V44	P2	5B5V44	P2	5TB44	P2	5Q5V46	Q2
4.2	4.6	4.7	4.88	469179	5B5V46	P2	5B5V46	P2	5TB46	P2	5Q5V49	Q2
4.4	4.8	4.9	5.08	469180	5B5V48	P2	5B5V48	P2	5TB48	P2	–	–
4.6	5	5.1	5.28	469181	5B5V50	Q1	5B5V50	Q1	5TB50	P2	5Q5V52	Q2
4.8	5.2	5.3	5.48	469182	5B5V52	Q1	5B5V52	Q1	5TB52	P2	5Q5V55	Q2
5	5.4	5.5	5.68	469183	5B5V54	Q1	5B5V54	Q1	5TB54	Q1	–	–
5.2	5.6	5.7	5.88	469184	5B5V56	Q1	5B5V56	Q1	5TB56	Q1	5Q5V59	Q2
5.4	5.8	5.9	6.08	469185	5B5V58	Q1	5B5V58	Q1	5TB58	Q1	–	–
5.6	6	6.1	6.28	469186	5B5V60	Q1	5B5V60	Q1	5TB60	Q1	5Q5V63	Q2
5.8	6.2	6.3	6.48	469187	5B5V62	Q1	5B5V62	Q1	5TB62	Q1	–	–
6	6.4	6.5	6.68	469188	5B5V64	Q1	5B5V64	Q1	5TB64	Q1	5Q5V67	Q2
6.2	6.6	6.7	6.88	469189	5B5V66	Q1	5B5V66	Q1	5TB66	Q1	–	–
6.4	6.8	6.9	7.08	469190	5B5V68	Q1	5B5V68	Q1	5TB68	Q1	5Q5V71	Q2
6.6	7	7.1	7.28	469191	5B5V70	Q1	5B5V70	Q1	5TB70	Q2	–	–
7	7.4	7.5	7.68	469192	5B5V74	Q1	5B5V74	Q1	5TB74	Q2	5Q3V75	Q2
7.4	7.8	7.9	8	469193	5B5V78	R1	–	–	–	–	5R5V80	R1
7.6	8	8.1	8.28	469194	5B5V80	R1	5B5V80	R1	5TB80	Q2	–	–
7.9	8.3	8.4	8.5	469195	5B5V83	R1	–	–	–	–	5R5V85	R1
8.2	8.6	8.7	8.88	469196	5B5V86	R1	5B5V86	R1	5TB86	Q2	–	–
8.4	8.8	8.9	9	469197	5B5V88	R1	–	–	–	–	5R5V90	R1
8.6	9	9.1	9.28	469198	5B5V90	R1	5B5V90	R1	5TB90	Q2	5R5V92	R1
9	9.4	9.5	9.68	469199	5B5V94	R1	5B5V94	R1	5TB94	Q2	5R5V97	R1
9.7	10.1	10.2	10.3	469200	5B5V101	R1	–	–	–	–	5R5V103	R1
10.3	10.7	10.8	10.9	469201	5B5V107	R1	–	–	–	–	5R5V109	R1
10.6	11	11.1	11.28	469202	5B5V110	R1	5B5V110	R1	5TB110	Q2	–	–
11.2	11.6	11.7	11.8	469203	5B5V116	R1	–	–	–	–	5R5V118	R1
12	12.4	12.5	12.68	469204	5B5V124	R1	5B5V124	R1	5TB124	Q2	5R5V125	R1
12.6	13	13.1	13.2	469205	5B5V133	R1	–	–	–	–	5R5V132	R1
13.2	13.6	13.7	13.88	469206	5B5V136	R1	5B5V136	R1	5TB136	Q2	–	–
13.4	13.8	13.9	14	469207	5B5V138	R1	–	–	–	–	5R5V140	R1
14.4	14.8	14.9	15	469208	5B5V148	R1	–	–	–	–	5R5V150	R1
15	15.4	15.5	15.68	469209	5B5V154	R1	5B5V154	R1	5TB154	Q2	–	–
15.4	15.8	15.9	16	469210	5B5V158	R1	–	–	–	–	5R5V160	R1
15.6	16	16.1	16.28	469211	5B5V160	R1	5B5V160	R1	5TB160	Q2	–	–
18	18.4	18.5	18.68	469212	5B5V184	R1	5B5V184	R1	5TB184	Q2	–	–
19.5	20	20.1	20.28	469213	5B5V200	R1	5B5V200	R1	5TB200	Q2	–	–
20.6	21	21.1	21.2	469214	5B5V211	S1	–	–	–	–	5R5V212	S1
24.5	25	25.1	25.28	469215	5B5V250	R1	5B5V250	R1	5TB250	Q2	5S5V250	S1
27.4	27.8	27.9	28	469216	5B5V278	S1	–	–	–	–	5S5V280	S1
29.5	30	30.1	30.35	469217	5B5V300	R1	–	–	5B300R	R1	–	–

Split taper sheaves

Interchange guide

6 grooves

Datum A belts	Datum B belts	Pitch 5V belts	OD	Dodge ST sheaves			Competitor B5V sheaves		Competitor TB sheaves		Competitor 5V sheaves	
				Part number	Description	Bushing	Part number	Bushing	Part number	Bushing	Part number	Bushing
3"	3.4"	–	3.75"	469218	6B34	P2	–	–	6TB34	P2	–	–
3.2	3.6	–	3.95	469219	6B36	P2	–	–	6TB36	P2	–	–
3.4	3.8	–	4.15	469220	6B38	P2	–	–	6TB38	P2	–	–
3.6	4	–	4.35	469221	6B40	P2	–	–	6TB40	P2	–	–
3.8	4.2	4.3	4.48	469222	6B5V42	P2	6B5V42	P2	6TB42	P2	–	–
4	4.4	4.5	4.68	469223	6B5V44	P2	6B5V44	P2	6TB44	P2	–	–
4.2	4.6	4.7	4.88	469224	6B5V46	P2	6B5V46	P2	6TB46	P2	–	–
4.4	4.8	4.9	5.08	469225	6B5V48	P2	6B5V48	P2	6TB48	P2	–	–
4.6	5	5.1	5.28	469226	6B5V50	Q2	6B5V50	Q2	6TB50	P2	–	–
4.8	5.2	5.3	5.48	469227	6B5V52	Q2	6B5V52	Q2	6TB52	P2	–	–
5	5.4	5.5	5.68	469228	6B5V54	Q2	6B5V54	Q2	6TB54	Q1	–	–
5.2	5.6	5.7	5.88	469229	6B5V56	Q2	6B5V56	Q2	6TB56	Q1	–	–
5.4	5.8	5.9	6.08	469230	6B5V58	Q1	6B5V58	Q1	6TB58	Q1	–	–
5.6	6	6.1	6.28	469231	6B5V60	Q1	6B5V60	Q1	6TB60	Q1	–	–
5.8	6.2	6.3	6.48	469232	6B5V62	Q1	6B5V62	Q1	6TB62	Q1	–	–
6	6.4	6.5	6.68	469233	6B5V64	Q1	6B5V64	Q1	6TB64	Q1	–	–
6.2	6.6	6.7	6.88	469234	6B5V66	Q1	6B5V66	Q1	6TB66	Q1	–	–
6.4	6.8	6.9	7.08	469235	6B5V68	Q1	6B5V68	Q1	6TB68	Q1	6Q5V71	Q2
6.6	7	7.1	7.28	469236	6B5V70	Q2	6B5V70	Q2	6TB70	Q2	–	–
7	7.4	7.5	7.68	469237	6B5V74	Q2	6B5V74	Q2	6TB74	Q2	6Q5V75	Q2
7.4	7.8	7.9	8	469238	6B5V78	R1	–	–	–	–	6R5V80	R1
7.6	8	8.1	8.28	469239	6B5V80	R1	6B5V80	R1	6TB80	Q2	–	–
7.9	8.3	8.4	8.5	469240	6B5V83	R1	–	–	–	–	6R5V85	R1
8.2	8.6	8.7	8.88	469241	6B5V86	R1	6B5V86	R1	6TB86	Q2	–	–
8.4	8.8	8.9	9	469242	6B5V88	R1	–	–	–	–	6R5V90	R1
8.6	9	9.1	9.28	469243	6B5V90	R1	6B5V90	R1	6TB90	Q2	6R5V92	R1
9	9.4	9.5	9.68	469244	6B5V94	R1	6B5V94	R1	6TB94	Q2	6R5V97	R1
9.7	10.1	10.2	10.3	469245	6B5V101	R1	–	–	–	–	6R5V103	R1
10.3	10.7	10.8	10.9	397037	6B5V107	R1	–	–	–	–	6R5V109	R1
10.6	11	11.1	11.28	469247	6B5V110	R1	6B5V110	R1	6TB110	Q2	–	–
11.2	11.6	11.7	11.8	469248	6B5V116	R1	–	–	–	–	6R5V118	R1
12	12.4	12.5	12.68	469249	6B5V124	R1	6B5V124	R1	6TB124	Q2	6S5V125	S1
12.6	13	13.1	13.2	469250	6B5V133	S1	–	–	–	–	6S5V132	S1
13.2	13.6	13.7	13.88	469251	6B5V136	R1	6B5V136	R1	6TB136	Q2	–	–
13.4	13.8	13.9	14	469252	6B5V138	S1	–	–	–	–	6S5V140	S1
14.4	14.8	14.9	15	469253	6B5V148	S1	–	–	–	–	6S5V150	S1
15	15.4	15.5	15.68	469254	6B5V154	R1	6B5V154	R1	6TB154	Q2	–	–
15.4	15.8	15.9	16	469255	6B5V158	S1	–	–	–	–	6S5V160	S1
15.6	16	16.1	16.28	469256	6B5V160	R1	6B5V160	R1	6TB160	Q2	–	–
18	18.4	18.5	18.68	469257	6B5V184	R1	6B5V184	R1	6TB184	Q2	–	–
19.5	20	20.1	20.28	469258	6B5V200	R1	6B5V200	R1	6TB200	Q2	–	–
20.6	21	21.1	21.2	469259	6B5V211	S1	–	–	–	–	6S5V212	S1
24.5	25	25.1	25.28	469260	6B5V250	R1	6B5V250	R1	6TB250	Q2	6S5V250	S1
27.4	27.8	27.9	28	397038	6B5V278	S1	–	–	–	–	6S5V280	S1
29.5	30	30.1	30.35	469262	6B5V300	R1	–	–	6B300R	R1	–	–

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

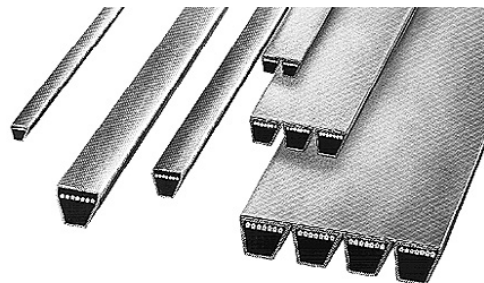
Accessories Products

Features/Benefits

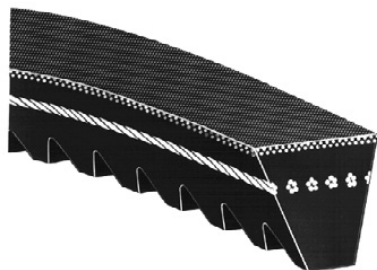
V-Belts

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

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



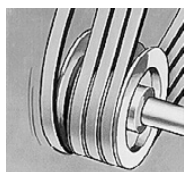
Deliver more horsepower and last longer than conventional belts...

- 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 is reduced

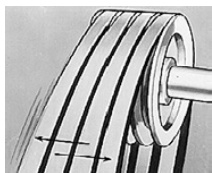
POLYBAND CLASSIC POLYBAND WEDGE V-BELTS



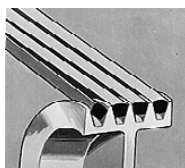
POLYBAND banded V-belts are engineered to handle those problem drives where vibration, sudden shock loads or misalignment causes belts to turn over, whip or jump off sheave. Two or more belts are inseparable joined together as one single unit. POLYBAND belts may be used without changing sheaves or altering the drive.



• NO JUMP OFF

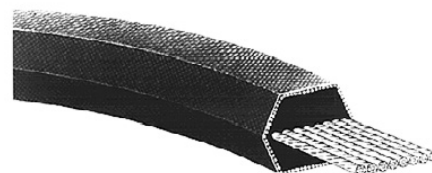


• NO WHIP



• NO TURN OVER

DOUBLE-V SEALED-LIFE (HEX)

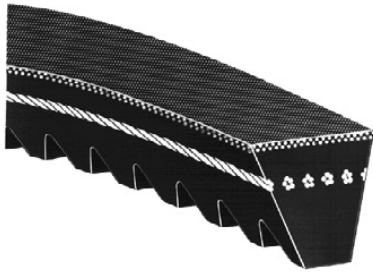


For serpentine drives

- Transmits power from both sides of belt
- Standard AA, BB, CC cross sections
- Runs in standard classical sheaves
- Oil resistant and static conducting

Selection

D-V Wedge Narrow Belts



Raw-Edge Molded Cog Construction

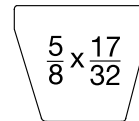


Wrapped Construction

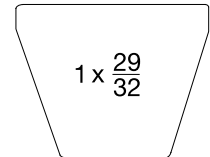
- Oil Resistant and Static Conducting
- Permits Compact, Lighter Weight Drives
- Hi-Strength Tension Member Delivers Maximum Power with Minimum Stretch
- Built for Long-Term Dimensional Stability.
- Matched to MPTA/RMA Standards. No additional matching or Matching Codes required.



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

Selection

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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

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	–	–	–	–	–

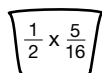
Δ Outside circumference in inches

Selection

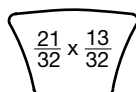
S-L Classic Belts



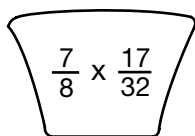
- Premium Performance at Standard Prices.
- Cool Running and Flexible.
- Strong Tensile Cords Remove Excess Stretch.
- Static Conducting and Heat and Oil Resistant.
- Matched to MPTA/RMA Standards - No additional matching or Match Codes required.



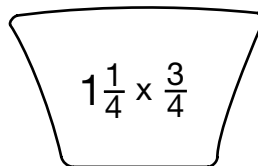
A



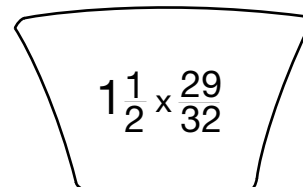
B



C



D



E

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
A21	–	0.14	22.3	A44	107324	0.30	45.3	A67	107388	0.44	68.3	A89	107922	0.57	90.3
A22	107908	0.15	23.3	A45	107329	0.32	46.3	A68	107016	0.80	69.3	A90	107022	0.57	91.3
A23	–	0.16	24.3	A46	107007	0.31	47.3	A69	107913	0.44	70.3	A91	107923	0.57	92.3
A24	107910	0.17	25.3	A47	107330	0.34	48.3	A70	107252	0.46	71.3	A92	107277	0.58	93.3
A25	–	0.18	26.3	A48	107008	0.34	49.3	A71	107017	0.46	72.3	A93	107430	0.58	94.3
A26	107001	0.20	27.9	A49	107272	0.34	50.3	A72	107914	0.48	73.3	A94	107924	0.60	95.3
A27	107417	0.19	28.3	A50	107331	0.35	51.3	A73	107915	0.48	74.3	A95	107925	0.62	96.3
A28	107320	0.21	29.3	A51	107009	0.36	52.3	A74	107343	0.48	75.3	A96	107023	0.65	97.3
A29	107418	0.21	30.3	A52	107332	0.38	53.3	A75	107018	0.48	76.3	A97	107926	0.65	98.3
A30	107321	0.23	31.3	A53	107010	0.37	54.3	A76	107420	0.47	77.3	A98	107431	0.70	99.3
A31	107002	0.24	32.3	A54	107250	0.38	55.3	A77	107916	0.50	78.3	A100	107346	0.67	101.3
A32	107322	0.24	33.3	A55	107011	0.38	56.3	A78	107019	0.51	79.3	A103	–	0.68	104.3
A33	107003	0.25	34.3	A56	107251	0.37	57.3	A79	107917	0.52	80.3	A105	107024	0.68	106.3
A34	107278	0.26	35.3	A57	107273	0.40	58.3	A80	107020	0.51	81.3	A110	107253	0.70	111.3
A35	107004	0.26	36.3	A58	107274	0.40	59.3	A81	107276	0.52	82.3	A112	107025	0.74	113.3
A36	107270	0.27	37.3	A59	107912	0.40	60.3	A82	107918	0.55	83.3	A120	107026	0.75	121.3
A37	107129	0.27	38.3	A60	107012	0.41	61.3	A83	107344	0.50	84.3	A128	107027	0.85	129.3
A38	107005	0.26	39.3	A61	107333	0.41	62.3	A84	107919	0.53	85.3	A136	107028	0.84	137.3
A39	107323	0.29	40.3	A62	107013	0.66	63.3	A85	107021	0.55	86.3	A144	107029	1.00	145.3
A40	107271	0.29	41.3	A63	107387	0.40	64.3	A86	107920	0.56	87.3	A158	107254	1.10	159.3
A41	107419	0.29	42.3	A64	107014	0.41	65.3	A87	107921	0.58	88.3	A173	107255	1.20	174.3
A42	107006	0.27	43.3	A65	107122	0.42	66.3	A88	107345	0.60	89.3	A180	107256	1.20	181.3
A43	107249	0.31	44.3	A66	107015	0.43	67.3	–	–	–	–	–	–	–	–

Δ Datum Length in inches

Selection

S-L Classic Belts

B, C, D, E S-L Classic Belts

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
B-Belts				B-Belts (Con't)				B-Belts (Con't)				C-Belts (Con't)			
B25	–	0.28	26.8	B78	107046	0.74	79.8	B205	107353	2.00	206.8	C330	107096	6.00	330.9
B26	–	0.29	27.8	B79	107257	0.80	80.8	B210	107065	2.07	211.8	C345	107097	6.30	345.9
B28	107932	0.30	29.8	B80	107047	0.85	81.8	B225	107262	2.21	225.3	C360	107098	7.40	360.9
B29	107933	0.29	30.8	B81	107048	0.82	82.8	B240	107066	2.39	240.3	C390	107099	7.10	390.9
B30	–	0.30	31.8	B82	107258	0.84	83.8	B255	107263	2.56	255.3	C420	107269	8.03	420.9
B31	–	0.32	32.8	B83	107049	0.79	84.8	B270	107067	2.75	270.3	D-BELTS			
B32	107389	0.36	33.8	B84	107411	0.81	85.8	B285	107264	2.70	285.3	D120	107100	4.30	123.3
B33	–	0.34	34.8	B85	107050	0.87	86.8	B300	107068	3.40	300.3	D128	107101	4.60	131.3
B34	107390	0.34	35.8	B86	107434	0.84	87.8	B315	107265	3.20	315.3	D144	107102	5.10	147.3
B35	107030	0.39	36.8	B87	107296	0.87	88.8	C-BELTS				D158	107103	5.58	161.3
B36	107391	0.39	37.8	B88	107297	0.87	89.8	C51	107072	0.99	53.9	D162	107104	5.65	165.3
B37	107936	0.41	38.8	B89	107938	0.90	90.8	C55	107354	1.07	57.9	D173	107105	11.00	176.3
B38	107031	0.44	39.8	B90	107051	0.94	91.8	C60	107073	1.15	62.9	D180	107106	6.35	183.3
B39	107937	0.43	40.8	B91	107939	0.87	92.8	C68	107074	1.30	70.9	D195	107107	6.90	198.3
B40	107279	0.44	41.8	B92	107940	0.90	93.8	C71	–	1.34	73.9	D210	107108	7.40	213.3
B41	107280	0.45	42.8	B93	107052	0.91	94.8	C72	107699	1.36	74.9	D225	107146	7.90	225.8
B42	107032	0.44	43.8	B94	107941	0.93	95.8	C75	107075	1.42	77.9	D240	107109	8.49	240.8
B43	107349	0.46	44.8	B95	107259	0.95	96.8	C78	107124	1.49	80.9	D255	107148	8.90	255.8
B44	107281	0.50	45.8	B96	107260	0.96	97.8	C81	107076	1.50	83.9	D270	107110	8.90	270.8
B45	107433	0.48	46.8	B97	107053	0.95	98.8	C85	107077	1.65	87.9	D285	107149	9.90	285.8
B46	107033	0.49	47.8	B98	–	0.96	99.8	C90	107078	1.64	92.9	D300	107111	10.30	300.8
B47	107408	0.52	48.8	B99	107128	0.99	100.8	C96	107079	1.82	98.9	D315	107112	11.00	315.8
B48	107034	0.51	49.8	B100	107069	1.02	101.8	C97	107356	1.83	99.9	D330	107113	11.50	330.8
B49	107350	0.53	50.8	B101	–	1.06	102.8	C99	107361	1.86	101.9	D345	107114	12.00	345.8
B50	107282	0.54	51.8	B103	107054	1.07	104.8	C100	107126	1.88	102.9	D360	107115	12.76	360.8
B51	107035	0.51	52.8	B105	107055	1.07	106.8	C101	–	1.89	103.9	D390	107116	13.60	390.8
B52	107283	0.55	53.8	B106	–	1.08	107.8	C105	107080	1.90	107.9	D420	107117	14.70	420.8
B53	107036	0.57	54.8	B108	107298	1.08	109.8	C108	107363	1.90	110.9	D450	107373	15.70	450.8
B54	107284	0.59	55.8	B111	–	1.15	112.8	C109	107123	2.02	111.9	D480	107118	16.80	480.8
B55	107037	0.59	56.8	B112	107056	1.14	113.8	C111	107365	2.10	113.9	D540	107119	18.90	540.8
B56	107285	0.59	57.8	B116	107412	1.18	117.8	C112	107081	2.13	114.9	D600	107120	20.90	600.8
B57	107286	0.59	58.8	B118	–	1.18	119.8	C115	107364	2.26	117.9	D660	107070	23.00	660.8
B58	107287	0.61	59.8	B120	107057	1.18	121.8	C120	107082	2.22	122.9	E-BELTS*			
B59	107288	0.59	60.8	B123	–	1.25	124.8	C124	107127	2.42	126.9	E144	–	8.00	148.5
B60	107038	0.60	61.8	B124	107299	1.26	125.8	C128	107083	2.35	130.9	E180	107131	9.40	184.5
B61	107289	0.61	62.8	B126	–	1.25	127.8	C136	107084	2.56	138.9	E195	107132	10.10	199.5
B62	107039	0.62	63.8	B128	107058	1.28	129.8	C144	107085	2.64	146.9	E210	107133	10.90	214.5
B63	107290	0.63	64.8	B130	–	1.35	131.8	C148	–	2.80	150.9	E225	–	12.10	229.5
B64	107040	0.64	65.8	B133	107261	1.38	134.8	C150	107957	2.82	152.9	E240	107135	12.20	241.5
B65	107041	0.65	66.8	B136	107059	1.34	137.8	C158	107086	3.01	160.9	E270	–	14.50	271.5
B66	107042	0.66	67.8	B140	–	1.43	141.8	C162	107087	3.09	164.9	E300	107137	15.30	301.0
B67	107291	0.69	68.8	B144	107060	1.45	145.8	C173	107088	3.39	175.9	E330	107138	16.80	331.0
B68	107043	0.67	69.8	B148	107351	1.39	149.8	C180	107089	3.47	182.9	E360	107139	18.30	361.0
B69	107409	0.70	70.8	B150	107000	1.49	151.8	C195	107090	3.65	197.9	E390	107140	19.80	391.0
B70	107275	0.72	71.8	B154	–	1.54	155.8	C210	107091	8.03	212.9	E420	107141	21.40	421.0
B71	107044	0.69	72.8	B158	107061	1.55	159.8	C225	107266	4.16	225.9	E480	107142	27.00	481.0
B72	107292	0.73	73.8	B162	107125	1.58	163.8	C240	107092	4.31	240.9	E540	107143	30.00	541.0
B73	107293	0.73	74.8	B173	107062	1.69	174.8	C255	107267	4.70	255.9	E600	107144	34.00	601.0
B74	107294	0.73	75.8	B180	107063	1.72	181.8	C270	107093	5.03	270.9	E660	107174	36.00	661.0
B75	107045	0.78	76.8	B190	107352	1.85	191.8	C285	107268	5.20	285.9	Δ Datum Length in inches			
B76	107410	0.76	77.8	B191	–	1.95	192.8	C300	107094	5.50	300.9				
B77	107295	0.76	78.8	B195	107064	2.00	196.8	C315	107095	5.80	315.9				

♦ E-BELTS: Recommended for Replacement Only - Not for New Drives (Use 8V Belts)

Selection

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	RB35 Δ	0.50	–	–	–	–
39.8	RB38 Δ	0.55	–	–	–	–
41.8	RB40 Δ	0.55	–	–	–	–
42.8	RB41 Δ	0.55	–	–	–	–
43.8	RB42 Δ	0.60	107308	107309	107310	107311
44.8	RB43 Δ	0.60	107421	107451	107452	107453
45.8	RB44 Δ	0.60	–	–	–	–
47.8	RB46 Δ	0.65	107312	107313	107314	107315
49.8	RB48 Δ	0.65	107316	107317	107318	107319
50.8	RB49 Δ	0.70	–	–	–	–
51.8	RB50 Δ	0.70	107454	107455	107464	107465
52.8	RB51 Δ	0.70	107325	107326	107327	107328
53.8	RB52 Δ	0.70	107466	107467	107468	107481
54.8	RB53 Δ	0.75	107334	107335	107336	107337
55.8	RB54 Δ	0.75	107482	107483	107484	107485
56.8	RB55 Δ	0.75	107338	107339	107340	107341
57.8	RB56 Δ	0.75	107494	107495	107496	107497
58.8	RB57 Δ	0.80	107498	107503	107504	107505
59.8	RB58 Δ	0.80	107506	107507	107520	107521
60.8	RB59 Δ	0.80	107522	107523	107524	107541
61.8	RB60 Δ	0.85	107357	107358	107359	107360
62.8	RB61 Δ	0.85	107542	107543	107544	107545
63.8	RB62 Δ	0.85	107366	107367	107368	107369
64.8	RB63 Δ	0.85	107550	107551	107552	107553
65.8	RB64 Δ	0.90	107375	107376	107377	107378
66.8	RB65 Δ	0.90	107379	107380	107381	107382
67.8	RB66 Δ	0.90	107383	107384	107385	107386
68.8	RB67 Δ	0.90	107554	107563	107564	107565
69.8	RB68 Δ	0.90	107392	107393	107394	107395
71.8	RB70 Δ	0.95	107396	107397	107398	107399
72.8	RB71 Δ	0.95	107400	107401	107402	107403
73.8	RB72 Δ	1.00	107566	107567	107568	107569
74.8	RB73 Δ	1.00	107660	107651	107652	107653
75.8	RB74 Δ	1.00	107654	107659	107660	107661
75.8	RB75 Δ	1.00	107404	107405	107406	107407
78.8	RB77 Δ	1.05	107662	107663	107668	107669
79.8	RB78 Δ	1.05	107413	107414	107415	107416
80.8	RB79 Δ	1.10	107670	107671	107672	107677
81.8	RB80 Δ	1.10	107422	107423	107424	107425
82.8	RB81 Δ	1.10	107426	107427	107428	107429
83.8	RB82 Δ	1.10	107678	107894	107895	107896
84.8	RB83 Δ	1.15	107435	107436	107437	107438
86.8	RB85 Δ	1.15	107439	107440	107441	107442
88.8	RB87 Δ	1.20	107897	107898	107899	107942
89.8	RB88 Δ	1.20	107943	107944	107948	107949
91.8	RB90 Δ	1.20	107443	107444	107445	107446
94.8	RB93 Δ	1.25	107447	107448	107449	107450
96.8	RB95 Δ	1.30	107950	107951	107952	107953
97.8	RB96 Δ	1.30	107456	107457	107458	107459
98.8	RB97 Δ	1.30	107460	107461	107462	107463

Δ Datum Length in inches

Reference Guide
Synchronous Products
V-Belt Products
Roller Chain Sprockets
Bushing Products
Accessories Products

Selection

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	RB99 Δ	1.35	107954	107955	107956	107979
101.8	RB100 Δ	1.35	107469	107470	107471	107472
104.8	RB103 Δ	1.40	107473	107474	107475	107476
106.8	RB105 Δ	1.45	107477	107478	107479	107480
109.8	RB108 Δ	1.45	107980	107981	107982	107983
113.8	RB112 Δ	1.50	107486	107487	107488	107489
121.8	RB120 Δ	1.65	107490	107491	107492	107493
125.8	RB124 Δ	1.70	107984	107985	107986	107987
129.8	RB128 Δ	1.75	107499	107500	107501	107502
134.8	RB133 Δ	1.80	107988	107989	107990	107991
137.8	RB136 Δ	1.85	107508	107509	107510	107511
145.8	RB144 Δ	1.95	107512	107513	107514	107515
149.8	RB148 Δ	2.00	107992	107993	107994	107995
159.8	RB158 Δ	2.15	107516	107517	107518	107519
163.8	RB162 Δ	2.20	107996	107997	107998	108765
174.8	RB173 Δ	2.35	107525	107526	107527	107528
181.8	RB180 Δ	2.45	107529	107530	107531	107532
196.8	RB195 Δ	2.65	107533	107534	107535	107536
211.8	RB210 Δ	2.85	107537	107538	107539	107540
225.3	RB225 Δ	3.00	108766	108767	108768	108769
240.3	RB240 Δ	3.20	107546	107547	107548	107549
255.3	RB255 Δ	3.40	108770	108771	108772	108773
270.3	RB270 Δ	3.60	107555	107556	107557	107558
285.3	RB285 Δ	3.80	–	–	–	–
300.3	RB300 Δ	4.00	107559	107560	107561	107562
315.3	RB315 Δ	4.20	108774	108775	108776	108777

Selection

S-L Classic Banded Belts

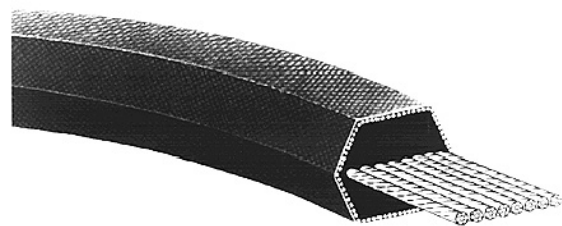
C POLYBAND Classic Belts (2, 3, 4 and 5 Bands)

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	RC51 Δ	1.20	–	–	–	–
57.9	RC55 Δ	1.30	–	–	–	–
62.9	RC60 Δ	1.40	107574	107575	107576	107577
70.9	RC68 Δ	1.55	107578	107579	107580	107581
73.9	RC71 Δ	1.65	–	–	–	–
77.9	RC75 Δ	1.70	107582	107583	107584	107585
83.9	RC81 Δ	1.85	107586	107587	107588	107589
87.9	RC85 Δ	1.95	107590	107591	107592	107593
92.9	RC90 Δ	2.05	107594	107595	107596	107597
98.9	RC96 Δ	2.20	107598	107599	107600	107601
99.9	RC97 Δ	2.20	–	–	–	–
101.9	RC99 Δ	2.25	108778	108779	108780	108781
102.9	RC100 Δ	2.30	–	–	–	–
107.9	RC105 Δ	2.40	107602	107603	107604	107605
110.9	RC108 Δ	2.45	108782	108783	108784	108785
111.9	RC109 Δ	2.50	108786	108787	108788	108789
114.9	RC112 Δ	2.55	107606	107607	107608	107609
122.9	RC120 Δ	2.70	107610	107611	107612	107613
126.9	RC124 Δ	2.80	108790	108791	108792	108793
130.9	RC128 Δ	2.80	107614	107615	107616	107617
138.9	RC136 Δ	3.05	107618	107619	107620	107621
146.9	RC144 Δ	3.25	107622	107623	107624	107625
160.9	RC158 Δ	3.55	107626	107627	107628	107629
164.9	RC162 Δ	3.65	107630	107631	107632	107633
175.9	RC173 Δ	3.90	107634	107635	107636	107637
182.9	RC180 Δ	4.05	107638	107639	107640	107641
197.9	RC195 Δ	4.40	107642	107643	107644	107645
212.9	RC210 Δ	4.70	107646	107647	107648	107649
225.9	RC225 Δ	5.00	107679	107680	107681	107682
240.9	RC240 Δ	5.35	107655	107656	107657	107658
255.9	RC255 Δ	5.65	107684	107685	107686	107687
270.9	RC270 Δ	6.00	107664	107665	107666	107667
285.9	RC285 Δ	6.35	107689	107690	107691	107692
300.9	RC300 Δ	6.65	107673	107674	107675	107676
315.9	RC315 Δ	7.00	108794	108795	108796	108797
330.9	RC330 Δ	7.35	108798	108799	108876	108877
345.9	RC345 Δ	7.65	108878	108879	108880	108881
360.9	RC360 Δ	8.00	108882	108883	108884	108885
390.9	RC390 Δ	8.65	108886	108887	108888	108889
420.9	RC420 Δ	9.35	108890	108891	108892	108893

Δ Datum Length in inches

Selection

Double-V (Hex) Belts



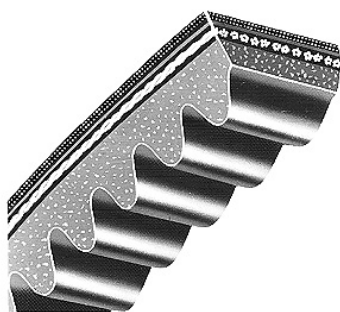
- For Serpentine Drives
- Static Conducting
- Oil Resistant

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	361.4				
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

Classic Cog Belts



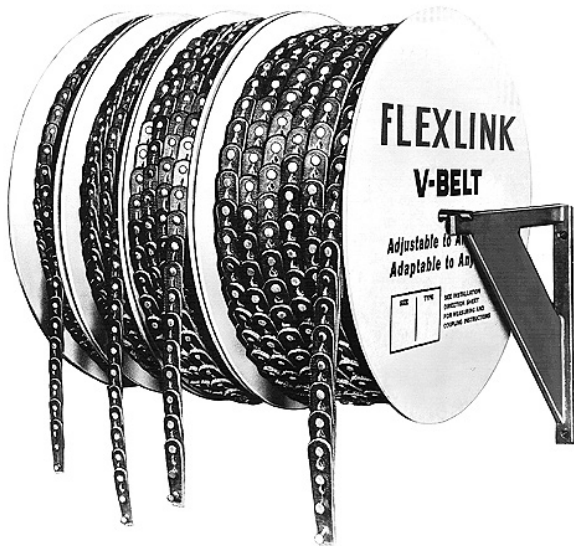
Deliver more horsepower and last longer than conventional belts

- 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.	Belt No.	Part No.	Wt.	Datum Lgth.	Belt No.	Part No.	Wt.	Datum Lgth.	Belt No.	Part No.	Wt.	Datum Lgth.
AX BELTS				AX BELTS (CON'T)				BX-BELTS (CON'T)				BX BELTS (CON'T)			
AX25	108867	.17	26.3	AX105	108670	.68	106.3	BX78	108702	.86	79.8	BX270	108735	2.65	270.3
AX26	108640	.18	27.3	AX110	108671	.71	111.3	BX79	108703	.87	80.8	BX300	108637	3.0	300.3
AX27	108868	.19	28.3	AX112	108672	.73	113.3	BX80	108704	.88	81.8	CX-BELTS			
AX31	108641	.21	32.3	AX120	108673	.74	121.3	BX81	108705	.89	82.8	CX51	108736	1.07	53.9
AX32	108869	.21	33.3	AX128	108674	.78	129.3	BX82	108706	.90	83.8	CX60	108737	1.24	62.9
AX33	108642	.22	34.3	AX136	108675	.98	137.3	BX83	108707	.91	84.8	CX68	108738	1.39	70.9
AX34	108643	.23	35.3	BX-BELTS				BX85	108708	.93	86.8	CX75	108739	1.53	77.9
AX35	108644	.24	36.3	BX35	108676	.40	36.8	BX90	108709	.98	91.8	CX81	108740	1.64	83.9
AX36	108645	.24	37.3	BX38	108677	.43	39.8	BX93	108710	1.01	94.8	CX85	108741	1.72	87.9
AX37	108646	.25	38.3	BX42	108678	.48	43.8	BX95	108711	1.03	96.8	CX90	108742	1.81	92.9
AX38	108647	.26	39.3	BX46	108679	.52	47.8	BX96	108712	1.05	97.8	CX96	108743	1.93	98.9
AX42	108648	.28	43.3	BX48	108680	.54	49.8	BX97	108713	1.06	98.8	CX105	108744	2.10	107.9
AX43	108649	.29	44.3	BX50	108681	.56	51.8	BX99	108714	1.08	100.8	CX109	108745	2.18	111.9
AX46	108650	.31	47.3	BX51	108682	.57	52.8	BX100	108715	1.09	101.8	CX112	108746	2.24	114.9
AX48	108651	.32	49.3	BX52	108683	.58	53.8	BX103	108716	1.12	104.8	CX115	108747	2.29	117.9
AX51	108652	.34	52.3	BX53	108684	.59	54.8	BX105	108717	1.14	106.8	CX120	108748	2.39	122.9
AX53	108653	.35	54.3	BX54	108685	.60	55.8	BX112	108718	1.21	113.8	CX128	108749	2.42	130.9
AX54	108654	.36	55.3	BX55	108686	.61	56.8	BX113	108719	1.22	114.8	CX136	108750	2.49	138.9
AX55	108655	.36	56.3	BX56	108687	.62	57.8	BX116	108720	1.26	117.8	CX144	108751	2.63	146.9
AX56	108656	.37	57.3	BX59	108688	.66	60.8	BX120	108721	1.30	121.8	CX150	108752	2.74	152.9
AX60	108657	.40	61.3	BX60	108689	.67	61.8	BX124	108722	1.26	125.8	CX158	108753	2.88	160.9
AX62	108658	.41	63.3	BX61	108690	.68	62.8	BX128	108723	1.30	129.8	CX162	108754	2.95	164.9
AX64	108659	.42	65.3	BX62	108691	.69	63.8	BX133	108724	1.34	134.8	CX173	108755	3.15	175.9
AX66	108660	.43	67.3	BX63	108692	.70	64.8	BX136	108725	1.37	137.8	CX180	108756	3.27	182.9
AX68	108661	.45	69.3	BX64	108693	.71	65.8	BX144	108726	1.45	145.8	CX195	108757	3.54	197.9
AX70	108662	.46	71.3	BX65	108694	.72	66.8	BX150	108727	1.51	151.8	CX210	108758	3.77	212.9
AX71	108663	.47	72.3	BX66	108695	.73	67.8	BX158	108728	1.59	159.8	CX225	108896	4.0	227.9
AX75	108664	.49	76.3	BX67	108696	.74	68.8	BX162	108729	1.63	163.8	CX240	108759	4.30	240.9
AX78	108665	.51	79.3	BX68	108697	.75	69.8	BX173	108730	1.74	174.8	CX270	108760	4.83	270.9
AX80	108666	.52	81.3	BX70	108698	.77	71.8	BX180	108731	1.81	181.8	CX285	108638	4.7	285.9
AX85	108667	.55	86.3	BX71	108699	.78	72.8	BX195	108732	1.96	196.8	CX300	108639	4.9	300.9
AX90	108668	.59	91.3	BX75	108700	.82	76.8	BX210	108733	2.09	211.8	CX330	108762	5.3	330.9
AX96	108669	.62	97.3	BX77	108701	.85	78.8	BX240	108734	2.36	240.3	CX360	108764	5.8	360.9

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

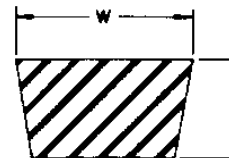
1. To obtain link belt length, multiply desired pitch length by .916. This provides correct belt length for initial run-in and seating of belt.
 2. For matched sets of link belts, use the same number of links on each belt.
 3. Do not use link belting above 5000 FPM belt speed.
Belt speed = .262 x RPM 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.

Selection

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

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 = $1.4 \times 30 = 42$ 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.

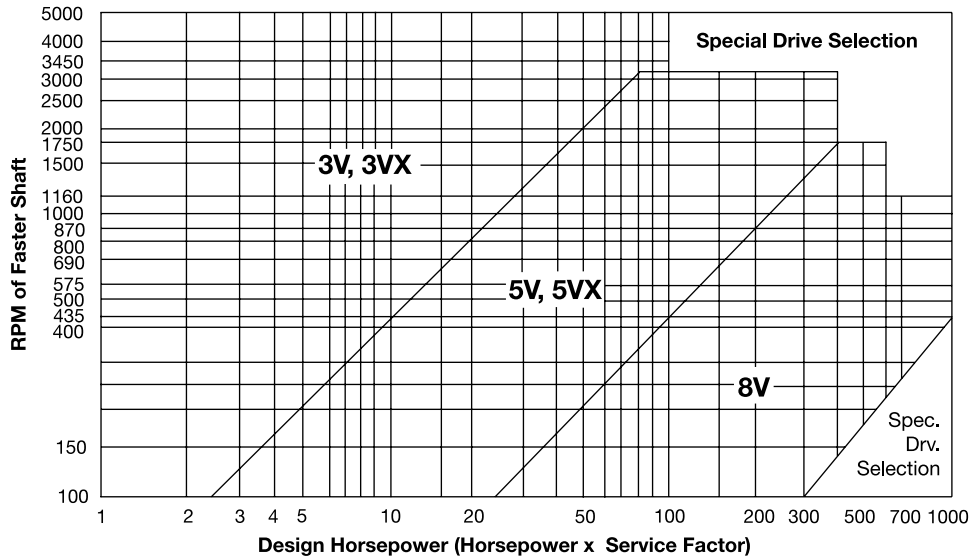
Step 4 - Turn to 5V Stock Drive Selection Tables. On page PT7-86, under 1160 RPM Driver, read down to find 290 rpm. The nearest appears as 291.

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. $42 \text{ HP} \div 14.20 = 2.96$. 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



Selection

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			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							* 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
Blowers and Exhausters							
Centrif. Pumps, Compressors	1.0	1.1	1.2	1.1	1.2	1.3	
Fans up to 10HP							
Light Duty Conveyors							
Belt Conveyors, Bulk Mat'l							
Dough Mixers							
Fans over 10 HP							
Generators							
Line Shafts							
Laundry Machinery	1.1	1.2	1.3	1.2	1.3	1.4	
Machine Tools							
Punches, Presses, Shears							
Printing Machinery							
Positive Displ. Rotary Pumps							
Revolving and Vibrating Screens							
Brick Machinery							
Bucket Elevators							
Exciters							
Piston Compressors							
Conveyors: Drag, Pan, Screw							
Paper Mill Beaters							
Piston Pumps	1.2	1.3	1.4	1.4	1.5	1.6	
Pos. Displacement Blowers							
Pulverizers							
Saw Mill, Woodworking Mach'y							
Textile Machinery							
Crushers: Gyratory, Jaw, Roll							
Mills: Ball, Rod, Tube	1.3	1.4	1.5	1.6	1.7	1.8	
Hoists							
Rubber Calendars, Extruders, Mills							
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	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

Selection

Stock D-V Wedge Drives: Non-Standard Motor Speeds and Speed-Up Drives

For Speeds Other Than Standard Motor Speeds:

Step 1 - Determine Speed Ratio = $\frac{\text{Driver RPM}}{\text{Driven RPM}}$

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. = $\frac{6500 \text{ FPM}}{0.262 \times \text{RPM}}$

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 = 20 x 1.2 = 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.

Selection

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.

$$L = 2C + 1.57 (D + d) + \frac{(D - d)^2}{4C}$$

Selection

3VX Stock Drive Selections

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Speed Ratio	Stock Sheaves		3500 RPM Driver		1750 RPM Driver		1160 RPM Driver		Belt Number and Approx. Center Distance							
	Diameter		Driven	HP/Belt	Driven	HP/Belt	Driven	HP/Belt	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX
	Driver	Driven							250	265	280	300	315	335	355	375
1.00	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
	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
1.05	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	—	—	—	—	—	—	—	—
	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
1.06	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
	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
1.07	6.50	6.90	3296	14.55	1648	8.48	1092	5.91	—	—	—	—	—	—	—	8.2
	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
1.08	5.60	6.00	3265	12.41	1632	7.09	1082	4.93	—	—	—	—	—	7.6	8.6	9.6
	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
	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
1.12	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
	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
1.16	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
	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
	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
1.20	5.00	6.00	2912	11.03	1456	6.23	965	4.33	—	—	—	—	7.1	8.1	9.1	10.1
	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
1.22	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 and Length Factors are approximate values
Refer to Selection Procedure for more precise values

Selection

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
	400	425	450	475	500	530	560	600	630	670	710	750	800	850	900	950	1000	1060	1120	1180	1250	1320	1400	1500
1.00	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
	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
1.06	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
	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
1.13	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
	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
1.16	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
	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 and Length Factors are approximate values
Refer to Selection Procedure for more precise values

Selection

3VX Stock Drive Selections

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Speed Ratio	Stock Sheaves		3500 RPM Driver		1750 RPM Driver		1160 RPM Driver		Belt Number and Approx. Center Distance							
	Diameter		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
	Driver	Driven														
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

Selection program available at www.ptwizard.com

Selection

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
	.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
1.23	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
1.42	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
	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
1.48	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
	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
1.57	-	-	-	-	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
	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																		

Selection

3VX Stock Drive Selections

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Speed Ratio	Stock Sheaves		3500 RPM Driver		1750 RPM Driver		1160 RPM Driver		Belt Number and Approx. Center Distance						
	Diameter		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
	Driver	Driven													
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	—	6.4	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

Selection program available at www.ptwizard.com

Selection

3VX Stock Drive Selections

Speed Ratio	Belt Number and Approx. Center Distance																							
	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX
	400	425	450	475	500	530	560	600	630	670	710	750	800	850	900	950	1000	1060	1120	1180	1250	1320	1400	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
1.81	-	-	-	-	-	-	-	-	-	-	-	-	-	18.8	21.4	23.9	26.4	29.5	32.5	36	39	43	47	52
	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
	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
1.90	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
2.04	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
	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-														

Selection

3VX Stock Drive Selections

Reference Guide	Speed Ratio	Stock Sheaves		3500 RPM Driver		1750 RPM Driver		1160 RPM Driver		Belt Number and Approx. Center Distance			
		Outside Diam.		Driven RPM	HP/Belt 3VX	Driven RPM	HP/Belt 3VX	Driven RPM	HP/Belt 3VX	3VX 425	3VX 450	3VX 475	3VX 500
		Driver	Driven										
Synchronous Products	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	—	—	—	—
V-Belt Products	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
Roller Chain Sprockets	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
	4.66	5.60	25.00	779	12.86	389	7.31	258	5.08	—	—	—	—
	4.73	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	—	—	—	—
Bushing Products	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	—	—	—	—
Accessories Products	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

Selection program available at www.ptwizard.com

Selection

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	33.6	36.1	39.2	42.2	45.2	48.7	52	46	61
	-	-	-	-	-	-	-	-	-	18.4	21.3	24.0	27.3	30.4	33.6	37.2	41	45	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 and Length Factors are approximate values
Refer to Selection Procedure for more precise values

Selection program available at www.ptwizard.com

Selection
Stock Drive Selection

Table with 2 columns: 5VX D-V Wedge Single Belts to 200" POLYBAND to 200" and 5V D-V Wedge Single Belts over 200" POLYBAND over 200"

Main table with columns: Ratio, Stock Sheaves (Diameter, Driver, Driven), RPM, HP/Belt, 5VX, 5V, 1160 RPM Driver, 870 RPM Driver, Belt Number and Approx. Center Distance** (500, 560, 600, 630, 670, 710, 750, 800). Rows include various ratios (1.00, 1.03, 1.04, 1.05, 1.06, 1.07, 1.08, 1.09, 1.10, 1.11, 1.12) and an ARC-LENGTH CORRECTION FACTOR section.

NOTE: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long
** Stock belt size 5VX530 not shown

Selection

Stock Drive Selection

5VX	D-V Wedge Single Belts to 200" POLYBAND to 200"
5V	D-V Wedge Single Belts over 200" POLYBAND over 200"

Belt Number and Approx. Center Distance**																							
Ratio	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	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	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	36.6	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	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
	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
1.07	.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
	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
1.08	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
	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																				

Selection
Stock Drive Selection

Ratio	Stock Sheaves		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**							
	Diameter		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
	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
1.22	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	25.9	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 ** Stock belt size 5VX530 not shown
5V = Single and Polyband belts over 200" long

Selection

Stock Drive Selection

5VX	D-V Wedge Single Belts to 200" POLYBAND to 200"	5V	D-V Wedge Single Belts over 200" POLYBAND over 200"

	Belt Number and Approx. Center Distance**																					
Ratio	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
1.13	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
	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
1.14	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
	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
1.15	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
	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
1.16	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
	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	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
1.19	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
	34.5	37.0	39.5	42.0	45.0	48.0	51.0	54.5	58.0	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	80	86	92	105	132	137	157
1.20	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
	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
1.21	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
	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
1.22	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
1.24	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	115	130	148	168
	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	63	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
1.25	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
1.26	-	-	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
1.27	34.7	37.2	39.7	42.2	45.2	48.2	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
1.28	30.6	32.3	34.8	37.3	40.3	43.3	46.3	49.3	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
1.29	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
	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	73	78	84	90	103			

Selection
Stock Drive Selection

5VX	D-V Wedge Single Belts to 200" POLYBAND to 200"
5V	D-V Wedge Single Belts over 200" POLYBAND over 200"

Ratio	Stock Sheaves		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**							
	Diameter		Driven RPM	HP/Belt		Driven RPM	HP/Belt		Driven RPM	HP/Belt		5VX	5VX	5VX	5VX	5VX	5VX	5VX	5VX
	Driver	Driven		5VX	5V		5VX	5V		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
1.34	16.00	21.20	1319	—	—	874	—	—	654	31.7	28.9	—	—	—	—	—	—	—	—
	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
1.36	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
	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
1.36	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
1.36	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
1.36	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
1.38	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
	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
1.38	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
1.39	10.90	15.00	1268	37.1	31.3	841	26.5	23.2	630	20.6	18.3	—	—	—	—	—	—	17.0	19.6
	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
1.39	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
1.42	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
	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
1.44	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
1.46	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
	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
1.46	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
1.46	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
1.47	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
	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
1.47	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	19.2	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
1.50	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	—	—	—	—	—	—	—	—
1.51	12.50	18.70	1167	43.1	36.4	580	31.0	27.5	580	24.2	21.8	—	—	—	—	—	—	—	—
	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

Selection

Stock Drive Selection

5VX	D-V Wedge Single Belts to 200" POLYBAND to 200"
5V	D-V Wedge Single Belts over 200" POLYBAND over 200"

	Belt Number and Approx. Center Distance**																						
Ratio	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	57.4	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
	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
1.38	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	31.2	34.7	38.7	44	49											

Selection
Stock Drive Selection

Ratio	Stock Sheaves		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**							
	Diameter		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
1.66	9.75	16.00	1062	32.8	27.6	704	23.2	20.2	527	18.1	15.9	-	-	-	-	-	-	17.0	19.5
	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
1.67	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	-	-	-	-	-	-	-	-
1.68	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
1.69	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
1.70	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	-	-	-	-	-	-	-	-
1.72	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	-	-	-	-	-	-	-	-
1.74	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	-	-	-	-	-	-	-	-
1.75	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
1.77	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	27.2
	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
1.79	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
1.80	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 ** Stock belt size 5VX530 not shown
5V = Single and Polyband belts over 200" long

Selection

Stock Drive Selection

5VX	D-V Wedge Single Belts to 200” POLYBAND to 200”	5V	D-V Wedge Single Belts over 200” POLYBAND over 200”

Belt Number and Approx. Center Distance**																								
Ratio	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	5V 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
1.57	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
	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
1.64	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
	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	89	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
1.66	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
	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</		

Selection
Stock Drive Selection

5VX	D-V Wedge Single Belts to 200” POLYBAND to 200”					5V	D-V Wedge Single Belts over 200” POLYBAND over 200”													
	Stock Sheaves		1750 RPM Driver				1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**							
	Diameter		Driven	HP/Belt			Driven	HP/Belt		Driven	HP/Belt		5VX	5VX	5VX	5VX	5VX	5VX	5VX	5VX
Ratio	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	
	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	
1.85	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	
	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	
1.86	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	
	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

Selection

Stock Drive Selection

5VX	D-V Wedge Single Belts to 200” POLYBAND to 200”					5V					D-V Wedge Single Belts over 200” POLYBAND over 200”														
	Belt Number and Approx. Center Distance**																								
Speed Ratio	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	48.6	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	53.5	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	27.2	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	42.3	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	
2.00	.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	
	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	
	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	
2.01	33.4	35.9	38.4	41.4	44.4	47.4	50.9	54.4	58.9	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								

Selection

Stock Drive Selection

5VX	D-V Wedge Single Belts to 200" POLYBAND to 200"	5V	D-V Wedge Single Belts over 200" POLYBAND over 200"

Ratio	Stock Sheaves		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**						
	Diameter		Driven RPM	HP/Belt		Driven RPM	HP/Belt		Driven RPM	HP/Belt		5VX	5VX	5VX	5VX	5VX	5VX	5VX
	Driver	Driven		5VX	5V		5VX	5V		5VX	5V	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
2.24	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
	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	–	–	–	–	–	–	–
2.26	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
	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	–	–	–	–	–	–	–
2.37	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
	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	–	–	–	–	–	–	–
2.40	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
	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	17.2	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
2.51	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
	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
2.57	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
	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
2.73	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
	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

Selection

Stock Drive Selection

5VX	D-V Wedge Single Belts to 200" POLYBAND to 200"
5V	D-V Wedge Single Belts over 200" POLYBAND over 200"

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
	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
2.27	-	-	-	-	-	-	25.2	28.9	33.1	38	43	48	54	59	64	70	76	82	89	96	104	114	121	-	141
	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
	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
2.30	-	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
	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	50.2	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
2.51	.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
	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										

Selection

Stock Drive Selection

5VX	D-V Wedge Single Belts to 200" POLYBAND to 200"
5V	D-V Wedge Single Belts over 200" POLYBAND over 200"

Ratio	Stock Sheaves		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**						
	Diameter		Driven RPM	HP/Belt		Driven RPM	HP/Belt		Driven RPM	HP/Belt		5VX	5VX	5VX	5VX	5VX	5VX	5VX
	Driver	Driven		5VX	5V		5VX	5V		5VX	5V	600	630	670	710	750	800	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

Selection

Stock Drive Selection

5VX	D-V Wedge Single Belts to 200" POLYBAND to 200"
5V	D-V Wedge Single Belts over 200" POLYBAND over 200"

Belt Number and Approx. Center Distance																									
Ratio	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
	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
3.05	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
	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
3.20	-	-	-	-	-	-	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
	-	-	333	22.5	25.8	29.0	33	36	40	46	51	56	61	66	71	77	83	89	96	-	111	-	129	-	149
3.53	-	-	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 and 5V3350 not shown

Arc and Length Factors are approximate values

Refer to Selection Procedure for more precise values

Selection
Stock Drive Selection

Table with 2 columns: 5VX D-V Wedge Single Belts to 200" POLYBAND to 200" and 5V D-V Wedge Single Belts over 200" POLYBAND over 200"

Main table with columns: Ratio, Stock Sheaves (Diameter, Driven), 1750 RPM Driver (HP/Belt, Driven), 1160 RPM Driver (HP/Belt, Driven), 870 RPM Driver (HP/Belt, Driven), and Belt Number and Approx. Center Distance** (5VX 600-850). Includes ARC-LENGTH CORRECTION FACTOR rows.

NOTE: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long
** Stock belt size 5VX530 not shown

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

Stock Drive Selection

5VX	D-V Wedge Single Belts to 200" POLYBAND to 200"
5V	D-V Wedge Single Belts over 200" POLYBAND over 200"

	Belt Number and Approx. Center Distance																								
Ratio	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	34.3	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 and 5V3350 not shown

Arc and Length Factors are approximate values

Refer to Selection Procedure for more precise values

Selection

Stock Drive Selection

5VX		D-V Wedge Single Belts to 200” POLYBAND to 200”					5V		D-V Wedge Single Belts over 200” POLYBAND over 200”									
Ratio	Stock Sheaves		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Number and Approx. Center Distance**						
	Diameter		Driven RPM	HP/Belt		Driven RPM	HP/Belt		Driven RPM	HP/Belt		5VX	5VX	5VX	5VX	5VX	5VX	5VX
	Driver	Driven		5VX	5V		5VX	5V		5VX	5V	600	630	670	710	750	800	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: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long

** Stock belt size 5VX530 not shown

Selection

Stock Drive Selection

5VX	D-V Wedge Single Belts to 200" POLYBAND to 200"
5V	D-V Wedge Single Belts over 200" POLYBAND over 200"

	Belt Number and Approx. Center Distance																									
Ratio	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	
6.32	-	-	-	-	-	-	-	-	-	-	-	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	

Arc and Length Factors are approximate values
Refer to Selection Procedure for more precise values

Selection

Stock Drive Selection

8V	D-V Wedge and POLYBAND Belts

Ratio	Stock Sheaves		1750 RPM Driver		1160 RPM Driver		870 RPM Driver		Belt Number and Approx. Center Distance							
	Diameter		Driven RPM	HP Per Belt 8V	Driven RPM	HP Per Belt 8V	Driven RPM	HP Per Belt 8V	8VX	8VX	8VX	8VX	8VX	8VX	8VX	8VX
	Driver	Driven							1000	1060	1120	1180	1250	1320	1400	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
1.07	21.2	22.4	—	—	1097	93.0	823	79.9	—	—	—	—	28.3	31.8	35.8	40.8
	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
1.11	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
	18.0	20.0	—	—	1043	78.5	782	65.7	—	23.1	26.2	29.2	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

Arc and Length Factors are approximate values
Refer to Selection Procedure for more precise values

Selection program available at www.ptwizard.com

Selection
Stock Drive Selection

Table with 2 columns: 8V, D-V Wedge and POLYBAND Belts

Table with 23 columns: Ratio, 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. Rows include belt numbers and center distances for various ratios from 1.00 to 1.34.

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Table with 2 columns: 8V, D-V Wedge and POLYBAND Belts

Main data table with columns: Ratio, Stock Sheaves (Outside Diameter, Driven RPM), 1750 RPM Driver (HP Per Belt, Driven RPM), 1160 RPM Driver (HP Per Belt, Driven RPM), 870 RPM Driver (HP Per Belt, Driven RPM), Belt Number and Approx. Center Distance (8VX 1000 to 8VX 1500). Includes multiple rows for different ratios and a final section for Arc-Length Correction Factors.

Arc and Length Factors are approximate values
Refer to Selection Procedure for more precise values

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8V	D-V Wedge and POLYBAND Belts

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

Selection program available at www.ptwizard.com

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Table with 2 columns: 8V, D-V Wedge and POLYBAND Belts

Main data table with columns: Speed Ratio, Stock Sheaves (4, 5, 6, 8, 10, 12 Grooves), 1750 RPM Driver, 1160 RPM Driver, 870 RPM Driver, Belt Number and Approx. Center Distance (8VX 1250 to 1900). Includes multiple rows of data and correction factors.

Arc and Length Factors are approximate values
Refer to Selection Procedure for more precise values

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8V	D-V Wedge and POLYBAND Belts

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	69.7	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

Selection program available at www.ptwizd.com

Selection

3VX Basic Horsepower Ratings Δ

Reference Guide	Faster Shaft RPM	Rated HP per belt for Small Sheave O.D. of:									
	2.2	2.65	2.8	3.0	3.15	3.35	3.65	4.12	4.5	4.75	5.0
	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX	3VX
Synchronous Products	575	.55	.83	.92	1.04	1.13	1.25	1.43	1.72	1.94	2.09
	690	.64	.97	1.08	1.22	1.33	1.48	1.69	2.02	2.29	2.47
	725	.66	1.01	1.13	1.28	1.39	1.54	1.77	2.12	2.40	2.58
	870	.77	1.18	1.32	1.50	1.63	1.81	2.08	2.49	2.82	3.04
	950	.83	1.28	1.42	1.62	1.77	1.96	2.25	2.70	3.06	3.29
	1160	.98	1.52	1.69	1.93	2.10	2.34	2.68	3.22	3.65	3.93
	1425	1.16	1.81	2.02	2.31	2.52	2.80	3.22	3.86	4.38	4.72
	1750	1.37	2.15	2.41	2.75	3.01	3.34	3.85	4.63	5.25	5.65
	2850	2.00	3.21	3.61	4.14	4.53	5.05	5.82	6.99	7.92	8.53
	3450	2.30	3.74	4.21	4.82	5.28	5.89	6.78	8.15	9.21	9.90
V-Belt Products	100	.12	.18	.19	.22	.23	.26	.29	.35	.39	.45
	200	.22	.33	.36	.41	.44	.48	.55	.66	.74	.85
	300	.31	.47	.52	.58	.63	.70	.80	.95	1.07	1.16
	400	.40	.60	.67	.75	.82	.91	1.03	1.24	1.40	1.50
	500	.49	.73	.81	.92	1.00	1.11	1.27	1.51	1.84	1.97
	600	.57	.86	.95	1.08	1.18	1.30	1.49	1.78	2.02	2.17
	700	.65	.98	1.09	1.24	1.35	1.49	1.71	2.05	2.32	2.50
	800	.72	1.10	1.23	1.39	1.52	1.68	1.93	2.31	2.62	2.82
	900	.80	1.22	1.36	1.54	1.68	1.87	2.14	2.57	2.91	3.13
	1000	.87	1.34	1.49	1.69	1.85	2.05	2.35	2.82	3.20	3.45
Roller Chain Sprockets	1100	.94	1.45	1.62	1.84	2.01	2.23	2.56	3.07	3.48	3.75
	1200	1.01	1.56	1.74	1.99	2.17	2.41	2.76	3.32	3.76	4.05
	1300	1.08	1.67	1.87	2.13	2.32	2.58	2.97	3.56	4.04	4.35
	1400	1.14	1.78	1.99	2.27	2.48	2.75	3.17	3.80	4.32	4.65
	1500	1.21	1.89	2.11	2.41	2.63	2.93	3.36	4.04	4.59	4.94
	1600	1.27	1.99	2.23	2.55	2.78	3.09	3.56	4.28	4.85	5.23
	1700	1.34	2.10	2.35	2.68	2.93	3.26	3.75	4.51	5.12	5.51
	1800	1.40	2.20	2.47	2.82	3.08	3.43	3.94	4.74	5.38	5.79
	1900	1.46	2.30	2.58	2.95	3.22	3.59	4.13	4.97	5.64	6.07
	2000	1.52	2.40	2.70	3.08	3.37	3.75	4.32	5.19	5.89	6.34
Bushing Products	2100	1.58	2.50	2.81	3.21	3.51	3.91	4.50	5.41	6.14	6.61
	2200	1.64	2.60	2.92	3.34	3.65	4.07	4.68	5.63	6.39	6.88
	2300	1.70	2.70	3.03	3.47	3.79	4.22	4.86	5.85	6.63	7.14
	2400	1.75	2.80	3.14	3.59	3.93	4.38	5.04	6.06	6.88	7.40
	2500	1.81	2.89	3.25	3.72	4.07	4.53	5.22	6.28	7.12	7.66
	2600	1.87	2.98	3.35	3.84	4.20	4.68	5.39	6.48	7.35	7.91
	2700	1.92	3.08	3.46	3.96	4.33	4.83	5.56	6.69	7.58	8.16
	2800	1.97	3.17	3.56	4.08	4.47	4.98	5.73	6.89	7.81	8.40
	2900	2.03	3.26	3.66	4.20	4.60	5.12	5.90	7.09	8.04	8.65
	3000	2.08	3.35	3.76	4.31	4.72	5.26	6.06	7.29	8.26	8.88
Accessories Products	3200	2.18	3.52	3.96	4.54	4.98	5.55	6.39	7.68	8.69	9.34
	3400	2.28	3.69	4.16	4.77	5.22	5.82	6.71	8.05	9.11	9.79
	3600	2.37	3.86	4.35	4.99	5.46	6.09	7.01	8.42	9.52	10.2
	3800	2.47	4.02	4.53	5.20	5.70	6.35	7.31	8.77	9.91	10.6
	4000	2.56	4.18	4.71	5.41	5.92	6.60	7.60	9.11	10.3	11.0
	4200	2.64	4.33	4.89	5.61	6.15	6.85	7.88	9.44	10.6	11.4
	4400	2.73	4.48	5.06	5.81	6.36	7.09	8.15	9.75	11.0	11.7
	4600	2.81	4.63	5.22	6.00	6.57	7.32	8.41	10.0	11.3	12.1
	4800	2.89	4.77	5.38	6.18	6.77	7.54	8.66	10.3	11.6	12.4
	5000	2.96	4.90	5.53	6.36	6.96	7.75	8.90	10.6	11.9	12.7

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 PT4-80.

Selection

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 PT4-80.

Selection

5VX 5V Basic Horsepower Ratings Δ

Reference Guide	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	
	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	15.2	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	18.2	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	11.2	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	6.07	6.90	7.72	9.69	12.28	13.56	14.8	11.7	16.1	12.9	17.6	14.5	19.2	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	26.2	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	27.4	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			

Shaded areas indicate rim speeds exceeding 6500 FPM which may require higher strength sheaves.

TOTAL RATING = rated HP + "

Selection

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 PT4-80.

Selection

8V Basic Horsepower Ratings Δ

Reference Guide	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	
Synchronous Products	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	
Synchronous Products	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	
V-Belt Products	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	
V-Belt Products	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	
Roller Chain Sprockets	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	
Bushing Products	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	
Accessories Products	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	
Accessories Products	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 PT4-80.																							

Selection

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.

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 PT4-80.

CAUTION: Belt horsepower ratings may exceed design capacity of stock sheaves. Consult factory for recommendations.

Selection

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.

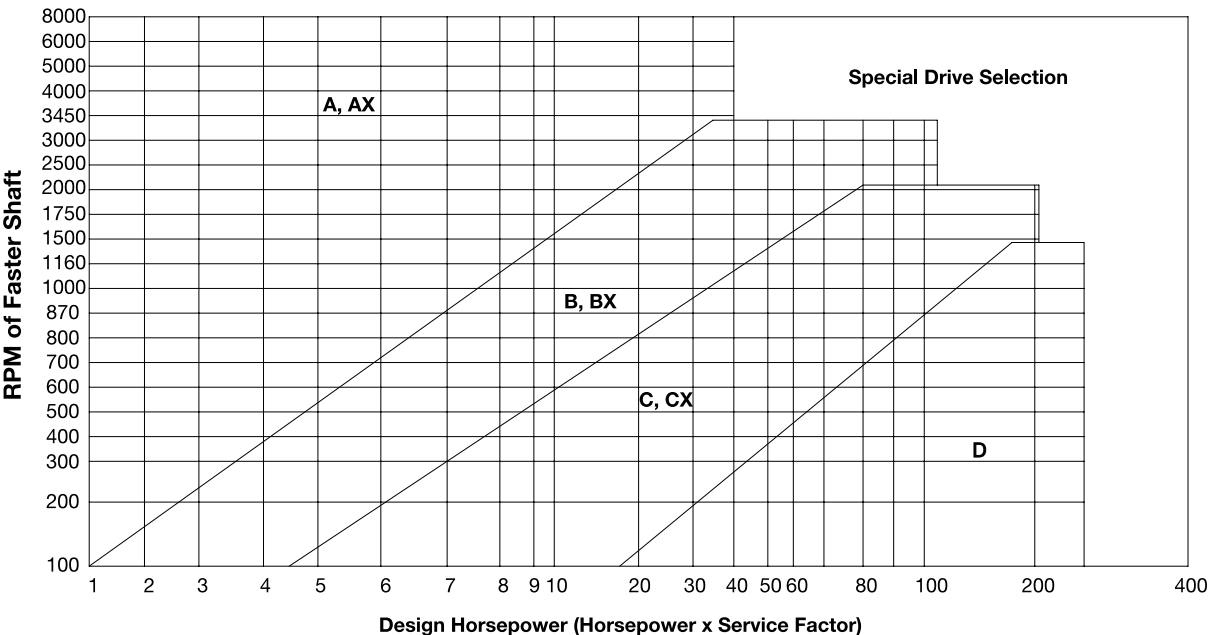
Step 3 - A C-section belt is shown in Table 11 when reading to the right of 1160 RPM and up from 42 design HP.

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



Selection

Service Factors

Table 7 - Typical Service Factors

Driven Machine Types	Driver: Normal Torque NEMA Des. A or B Motors			Driver: High Torque NEMA Des. C or D Motors		
	DC Shunt Wound Motors Multi-Cylinder Engines			DC Series Wound Motors Single Cylinder Engines		
	Service*			Service*		
	Intermit.	Normal	Contin.	Intermit.	Normal	Cont.
Agitators for Liquids						
Blowers and Exhausters						
Centrif. Pumps, Compressors	1.0	1.1	1.2	1.1	1.2	1.3
Fans up to 10HP						
Light Duty Conveyors						
Belt Conveyors, Bulk Mat'l						
Dough Mixers						
Fans over 10 HP						
Generators						
Line Shafts						
Laundry Machinery	1.1	1.2	1.3	1.2	1.3	1.4
Machine Tools						
Punches, Presses, Shears						
Printing Machinery						
Positive Displ. Rotary Pumps						
Revolving and Vibrating Screens						
Brick Machinery						
Bucket Elevators						
Exciters						
Piston Compressors						
Conveyors: Drag, Pan, Screw						
Hammer Mills	1.2	1.3	1.4	1.4	1.5	1.6
Paper Mill Beaters						
Piston Pumps						
Pos. Displacement Blowers						
Pulverizers						
Saw Mill, Woodworking Mach'y						
Textile Machinery						
Crushers: Gyratory, Jaw, Roll						
Mills: Ball, Rod, Tube	1.3	1.4	1.5	1.6	1.7	1.8
Hoists						
Rubber Calendars, Extruders, Mills						
Chokable Equipment, Fire Hazard	2.0	2.0	2.0	2.0	2.0	2.0

*** 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

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

Selection

Stock Classical Drives: Non Standard Motor Speeds and 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. = $\left(\frac{6500 \text{ RPM}}{.262 \times \text{RPM}} \right)$

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

Selection

Service 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‡	Approx. Arc of Contact on Small Shv.	Factor	D-d‡	Approx. Arc of Contact on Small Shv.	Factor
C			C		
.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

Selection

Stock Drive Selection

A	S-L CLASSIC	AX	CLASSIC COG

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
	Driver	Driven	RPM	A	AX	RPM	A	AX	RPM	A	AX	AX26	AX31	AX33	AX35	AX38	AX42
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
	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
	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
	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
	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
	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
	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
	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
7.0	7.0	3500	—	—	—	1750	8.92	8.92	1160	6.56	6.61	—	—	—	—	8.7	10.7
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
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
	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
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
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
	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
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
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
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
	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
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
	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
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
	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
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
	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
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
	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
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
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
	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
ARC-LENGTH CORRECTION FACTOR —>												0.74	0.79	0.81	0.82	0.84	0.87
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
	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
	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
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
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
	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
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
	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
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
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
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
	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
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
	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
	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
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
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
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
	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
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
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
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
	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
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
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
	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
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
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
	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
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
ARC-LENGTH CORRECTION FACTOR —>												0.74	0.78	0.80	0.82	0.84	0.87

Selection

Stock Drive Selection

A	S-L CLASSIC	AX	CLASSIC COG

Belt Size/Center Distance																			
Ratio	A48	A51	A53	A55	A60	A64	A66	A68	A71	A75	A78	A80	A85	A90	A96	A105	A112	A120	A128
	AX48	AX51	AX53	AX55	AX60	AX64	AX66	AX68	AX71	AX75	AX78	AX80	AX85	AX90	AX96	AX105	AX112	AX120	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	18.0	19.5	20.5	21.5	24.0	26.0	27.0	28.0	29.5	31.5	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	44.3	47.8	51.8	55.8
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
	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
	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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

Stock Drive Selection

A	S-L CLASSIC	AX	CLASSIC COG

Ratio	Stock Shv.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance						
	Datum Diam.		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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Selection

Stock Drive Selection

A	S-L CLASSIC	AX	CLASSIC COG

Belt Size/Center Distance																			
Ratio	A48	A51	A53	A55	A60	A64	A66	A68	A71	A75	A78	A80	A85	A90	A96	A105	A112	A120	A128
	AX48	AX51	AX53	AX55	AX60	AX64	AX66	AX68	AX71	AX75	AX78	AX80	AX85	AX90	AX96	AX105	AX112	AX120	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
	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
	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
	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
	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
	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
	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
	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
1.60	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
	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
	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
	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
	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
	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
	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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

Stock Drive Selection

A	S-L CLASSIC			AX		CLASSIC COG													
Ratio	Stock Shv.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance							
	Datum Diam.		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	
	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	
	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	
	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	
	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	
	3.8	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	

Selection

Stock Drive Selection

A	S-L CLASSIC	AX	CLASSIC COG

Ratio	Belt Size/Center Distance																		
	A48	A51	A53	A55	A60	A64	A66	A68	A71	A75	A78	A80	A85	A90	A96	A105	A112	A120	A128
	AX48	AX51	AX53	AX55	AX60	AX64	AX66	AX68	AX71	AX75	AX78	AX80	AX85	AX90	AX96	AX105	AX112	AX120	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
	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
	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
	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
	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
	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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

Stock Drive Selection

A	S-L CLASSIC					AX	CLASSIC COG												
Ratio	Stock Shv.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance							
	Datum Diam.		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 —>												—	—	—	—	—	—	—	—

Selection

Stock Drive Selection

A	S-L CLASSIC	AX	CLASSIC COG

Ratio	Belt Size/Center Distance																			
	A48	A51	A53	A55	A60	A64	A66	A68	A71	A75	A78	A80	A85	A90	A96	A105	A112	A120	A128	
	AX48	AX51	AX53	AX55	AX60	AX64	AX66	AX68	AX71	AX75	AX78	AX80	AX85	AX90	AX96	AX105	AX112	AX120	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	
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	

Reference Guide
Synchronous Products
V-Belt Products
Roller Chain Sprockets
Bushing Products
Accessories Products

Selection

Stock Drive Selection

B		S-L CLASSIC				BX		CLASSIC COG											
Ratio	Stock Shv.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance							
	Datum Diam.		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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	9.40	11.00	3007	–	–	1504	16.83	16.67	997	12.89	12.80	–	–	–	–	10.4	12.4	14.9	16.9
	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
1.18	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
	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
	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
	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
	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
	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
	3.40	4.20																	

Selection

Stock Drive Selection

B	S-L CLASSIC	BX	CLASSIC COG

Ratio	Belt Size/Center Distance																	
	B68	B75	B81	B85	B90	B97	B105	B112	B120	B128	B144	B158	B173	B180	B195	B210	B240	B270
	BX68	BX75	BX81	BX85	BX90	BX97	BX105	BX112	BX120	BX128	BX144	BX158	BX173	BX180	BX195	BX210	BX240	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

Stock Drive Selection

B	S-L CLASSIC	BX	CLASSIC COG

Ratio	Stock Shv.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance							
	Datum Diam.		Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		B35	B38	B42	B46	B51	B55	B60	B64
	Driver	Driven		B	BX		B	BX		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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
1.39	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
	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
	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
	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
	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
	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
	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
	8.60	13.60	2246	–	–	1123	15.57	15.81	745	11.79	11.98	–	–	–	–	–	–	13.2	15.3
	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
	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
	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

Selection

Stock Drive Selection

B	S-L CLASSIC	BX	CLASSIC COG

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
	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
	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
	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
	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
	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
	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
	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
	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
1.27	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Selection

Stock Drive Selection

B	S-L CLASSIC					BX	CLASSIC COG													
Ratio	Stock Shv. Datum Diam.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance								
	Driver	Driven	RPM	HP Per Belt		RPM	HP Per Belt		RPM	HP Per Belt		B35	B38	B42	B46	B51	B55	B60	B64	
				B	BX		B	BX		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	
	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	
	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	
	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	
	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	
1.67	9.40	16.00	2088	–	–	1044	17.20	17.04	692	13.13	13.04	–	–	–	–	–	–	–	–	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
1.78	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	
	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	
	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	
	8.60	16.00	1917	–	–	958	15.63	15.87	635	11.83	12.03	–	–	–	–	–	–	–	13.1	
	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	
	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	
	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	
1.89	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	
	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	
	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	–	–	–	–	–	–	–	–	
	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	
	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	
	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	
	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	
	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	
	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
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
	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	
	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	
2.22	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	
	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

Selection

Stock Drive Selection

B	S-L CLASSIC				BX	CLASSIC COG													
	Belt Size/Center Distance																		
Ratio	B68	B75	B81	B85	B90	B97	B105	B112	B120	B128	B144	B158	B173	B180	B195	B210	B240	B270	
	BX68	BX75	BX81	BX85	BX90	BX97	BX105	BX112	BX120	BX128	BX144	BX158	BX173	BX180	BX195	BX210	BX240	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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									

Selection
Stock Drive Selection

Table with 4 columns: B, S-L CLASSIC, BX, CLASSIC COG

Main data table with columns: Ratio, Stock Shv. Datum Diam., 3500 RPM Driver, 1750 RPM Driver, 1160 RPM Driver, Belt Size/Center Distance, and various belt size options (B35, B38, B42, B46, B51, B55, B60, B64).

Selection

Stock Drive Selection

B	S-L CLASSIC	BX	CLASSIC COG

Ratio	Belt Size/Center Distance																	
	B68	B75	B81	B85	B90	B97	B105	B112	B120	B128	B144	B158	B173	B180	B195	B210	B240	B270
	BX68	BX75	BX81	BX85	BX90	BX97	BX105	BX112	BX120	BX128	BX144	BX158	BX173	BX180	BX195	BX210	BX240	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
	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
	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
	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
	-	-	-	-	-	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
	-	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
	-	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
	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
	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
	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

Selection

Stock Drive Selection

B			S-L CLASSIC			BX			CLASSIC COG												
Ratio	Stock Shv.		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Size/Center Distance									
	Datum Diam.		Driven RPM	HP Per Belt		Driven RPM	HP Per Belt		Driven RPM	HP Per Belt		B35	B38	B42	B46	B51	B55	B60	B64		
	Driver	Driven		B	BX		B	BX		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 —>												–	–	–	–	–	–	–	–	–	

Selection

Stock Drive Selection

B	S-L CLASSIC	BX	CLASSIC COG

Ratio	Belt Size/Center Distance																	
	B68	B75	B81	B85	B90	B97	B105	B112	B120	B128	B144	B158	B173	B180	B195	B210	B240	B270
	BX68	BX75	BX81	BX85	BX90	BX97	BX105	BX112	BX120	BX128	BX144	BX158	BX173	BX180	BX195	BX210	BX240	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

Selection

Stock Drive Selection

C	S-L CLASSIC					CX	CLASSIC COG														
Ratio	Stock Shv.		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Size/Center Distance									
	Datum	Diam.	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	18.88	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
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Selection

Stock Drive Selection

C	S-L CLASSIC	CX	CLASSIC COG

Ratio	Belt Size/Center Distance																	
	C112	C120	C128	C136	C144	C158	C162	C173	C180	C195	C210	C240	C270	C300	C330	C360	C390	C420
	CX112	CX120	CX128	CX136	CX144	CX158	CX162	CX173	CX180	CX195	CX210	CX240	CX270	CX300	CX330	CX360	CX390	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Selection

Stock Drive Selection

C	S-L CLASSIC					CX	CLASSIC COG													
Ratio	Stock Shv. Datum Diam.		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Size/Center Distance								
	Driver	Driven	Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		C51	C60	C68	C75	C81	C85	C90	C96	C105
			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
	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
	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
	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
	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
	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
	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
	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														

Selection

Stock Drive Selection

C	S-L CLASSIC	CX	CLASSIC COG

Ratio	Belt Size/Center Distance																	
	C112	C120	C128	C136	C144	C158	C162	C173	C180	C195	C210	C240	C270	C300	C330	C360	C390	C420
	CX112	CX120	CX128	CX136	CX144	CX158	CX162	CX173	CX180	CX195	CX210	CX240	CX270	CX300	CX330	CX360	CX390	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
	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
	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
	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
	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
	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
	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
	-	-	-	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

Selection

Stock Drive Selection

C	S-L CLASSIC	CX	CLASSIC COG

Ratio	Stock Shv.		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Size/Center Distance									
	Datum	Diam.	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	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	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

Selection

Stock Drive Selection

C	S-L CLASSIC	CX	CLASSIC COG

Ratio	Belt Size/Center Distance																	
	C112	C120	C128	C136	C144	C158	C162	C173	C180	C195	C210	C240	C270	C300	C330	C360	C390	C420
	CX112	CX120	CX128	CX136	CX144	CX158	CX162	CX173	CX180	CX195	CX210	CX240	CX270	CX300	CX330	CX360	CX390	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
	-	-	-	-	-	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

Selection

Stock Drive Selection

D	S-L CLASSIC

Ratio	Stock Shv. Datum Diam.		1160 RPM Driver		870 RPM Driver		690 RPM Driver		Belt Size/Center Distance					
	Driver	Driven	Driven	HP/Belt	Driven	HP/Belt	Driven	HP/Belt	D120	D128	D144	D158	D162	D173
			RPM	D	RPM	D	RPM	D						
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Selection

Stock Drive Selection

D		S-L CLASSIC															
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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	70.5	78.0	85.5	91.5	99.2	106.7	–	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
	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
1.11	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
	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
	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
	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
	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
1.14	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Selection

Stock Drive Selection

D	S-L CLASSIC

Ratio	Stock Shv. Datum Diam.		1160 RPM Driver		870 RPM Driver		690 RPM Driver		Belt Size/Center Distance					
	Driver	Driven	Driven	HP/Belt	Driven	HP/Belt	Driven	HP/Belt	D120	D128	D144	D158	D162	D173
			RPM	D	RPM	D	RPM	D						
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
	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		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	—	—	—	—	—	—
	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

Selection

Stock Drive Selection

D	S-L CLASSIC

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
	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
	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
	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

Selection

Basic Horsepower Ratings

A	S-L CLASSIC	AX	CLASSIC COG

Faster Shaft RPM	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	
	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

Selection

Basic Horsepower Ratings

A	S-L CLASSIC	AX	CLASSIC COG

Faster Shaft RPM	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	
	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	and 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	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	0.80	
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.

Selection

Basic Horsepower Ratings

B	S-L CLASSIC	BX	CLASSIC COG

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	7.20	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	9.2.0	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	2.25	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	9.28	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	11.23	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

Selection

Basic Horsepower Ratings

B	S-L CLASSIC	BX	CLASSIC COG

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	and 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.

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

Basic Horsepower Ratings

C	S-L CLASSIC	CX	CLASSIC COG

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	14.25	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 8500 FPM rim speed. Special sheave construction required.

Selection

Basic Horsepower Ratings

C	S-L CLASSIC	CX	CLASSIC COG

Faster Shaft RPM	Rated HP per Belt for Small Sheave Datum Dia.										Add'l HP/Belt for Speed Ratio of:					
	11.0		12.0		13.0		14.0		16.0		1.03	1.10	1.20	1.40	1.80	3.00
	C	CX	C	CX	C	CX	C	CX	C	CX	1.09	1.19	1.39	1.79	2.99	and 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.

Selection

Basic Horsepower Ratings

D

S-L CLASSIC

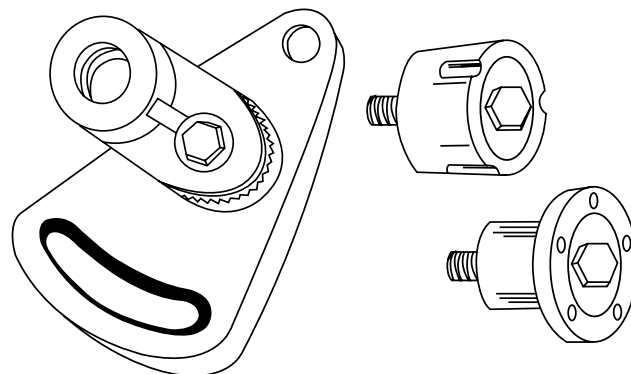
Faster Shaft RPM	Rated HP per Belt for Small Sheave Datum Dia.											Additional HP/Belt for Speed Ratio of:								
	12.0	13.0	13.5	14.0	14.5	15.0	15.5	16.0	18.0	20.0	22.0	1.02 thru 1.04	1.05 thru 1.08	1.09 thru 1.12	1.13 thru 1.18	1.19 thru 1.24	1.25 thru 1.34	1.35 thru 1.51	1.52 thru 1.99	2.00 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	—	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	1.27	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



Selection program available at www.ptwizd.com

Installing/Tensioning V-Drives

Installing a Drive

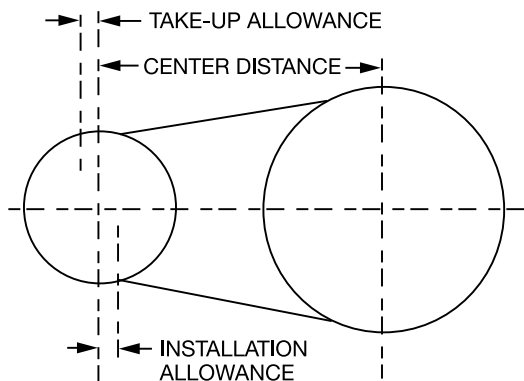
Check Condition of Sheaves—Before a new set of V-belts are installed, check the condition of the sheaves. Dirty or rusty sheaves impair the drive's efficiency and abrade the belts, which result in premature failure.

Worn sheaves shorten belt life as much as 50 percent. 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 and 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 and 265	—	—	1.2	2.4	1.8	3.6	3.2
280 and 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

Installing/Tensioning V-Drives

Table 12 - Center Distance Allowance for Classical Belt Installation and Take-Up

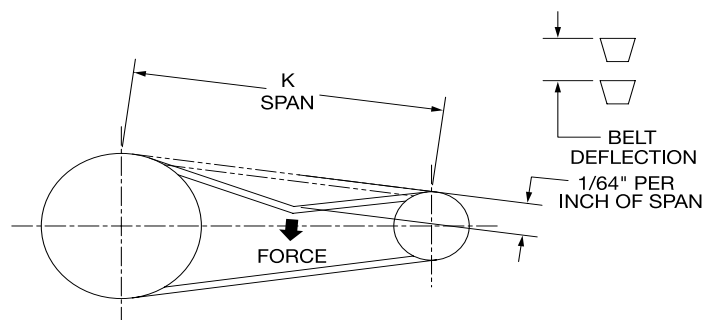
Nom. Belt Lgth. in Inches	Min. Installation Allowance (in inches) (Below Center)							Min. Take-up Allowance (Above Center)
	A	B	B Poly-band	C	C Poly-band	D	D Poly-band	
26-37	0.75	1.00	1.50	1.50	–	–	–	1.00*
38-59	0.75	1.00	1.50	1.50	2.00	–	–	1.50
60-89	0.75	1.25	1.61	1.50	2.00	–	–	2.00
90-119	1.00	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 and Over	–	–	–	2.50	2.90	3.00	4.10	1-1/2 percent 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 ACC-1

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.

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	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	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	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	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
	900-1800	7.1	8.5	9.5	10.0	11.0
5V	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
	900-1800	12.5	18.0	21.0	23.0	25.0
8V	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 percent of above values to tension a new set of belts
2. Use closest sheave diameter for sizes not shown.

Installing/Tensioning V-Drives

Belt Pull and Bearing Loads

Belt Pull Calculations—The following method of calculating belt pull is found to be the most convenient and accurate for drives operating at design loads and tensions:

$$T1 + T2 = 33,000 (2.5-G) \left(\frac{HP}{GV} \right)$$

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	Arc of	Factor	D-d	Arc of	Factor
C	Contact	G	C	Contact	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

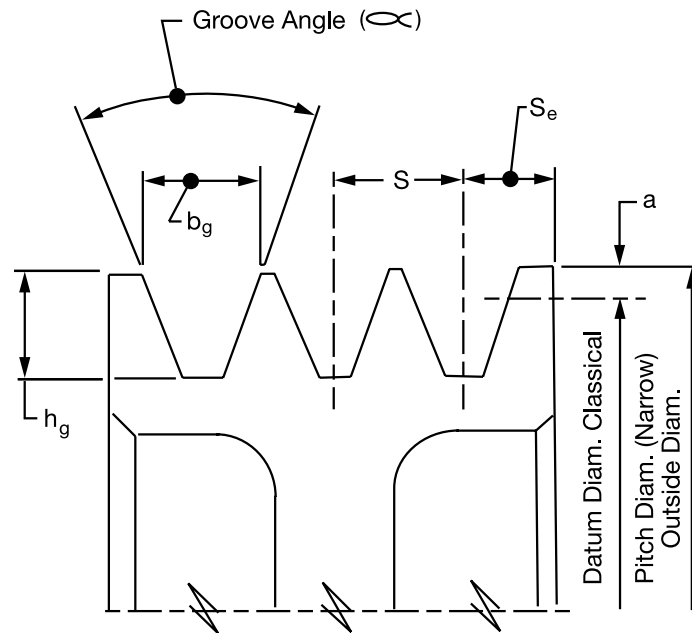
D = Diam. of large sheave

d = Dia. of small sheave

C = Center distance

Technical

V-Belt Sheave Groove Dimensions



Narrow

Belt Section	Outside Diameter Range	α ° ± 0.25	b_g $\pm .005$	h_g Min.	a	S $\pm .015$	S_e	
3VX, 3V	LESS THAN 3.50	36°						
	3.50 TO 6.00	38°						
	6.01 to 12.00	40°	.350	0.340	0.025	0.406	0.344	+ .094 - .000
	Over 12.00	42°						
5VX, 5V	Less than 10.00	38°						
	10.00 to 16.00	40°	.600	0.590	.050	0.688	0.500	+ .125 - .000
	Over 16.00	42°						
8VX, 8V	Less than 16.00	38°						
	16.00 to 22.40	40°	1.000	0.990	.100	1.125	0.750	+ .250 - .000
	Over 22.40	42°						

Classical

Belt Section	Pitch Diameter		m $+ 0.33$	b_g		h_g Min.	2a ref *	S $\pm .025$	S_e	
	Min. Recom.	Range								
AX, A	3.0	2.6 to 5.4	34°	.494	} $\pm .005$	.460	.125	.625	.375	+ .090
		Over 5.4	38°	.504						- .062
BX, B	5.4	4.6 to 7.0	34°	.637	} $\pm .006$	.550	.175	.750	.500	+ .120
		Over 7.0	38°	.650						- .065
A, B AX, BX	-	To 7.0	34°	.612	} $\pm .006$	.612	A (.634/.602) B (.333/.334)	.750	.500	+ .120
		Over 7.0	38°	.625						- .065
CX, C	9.0	7.0 to 7.99	34°	.879	} $\pm .007$	.750	.200	1.000	.688	+ .160
		8.0 to 12.0	36°	.887						- .070
		Over 12.0	38°	.895						
DX, D	13.0	12.0 to 12.9	34°	1.259	} $\pm .008$	1.020	.300	1.438	.875	+ .220
		13.0 to 17.0	36°	1.271						- .080
		Over 17.0	38°	1.283						
E	21.0	18.0 to 24.0	36°	1.527	} $\pm .010$	1.300	.400	1.750	1.125	+ .250
		Over 24.0	38°	1.542						- .000

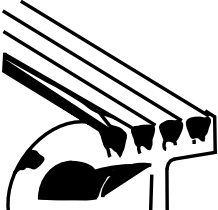
Note—For complete manufacturing tolerances – see RMA, MPTA, Narrow/Classical V-belt Standards.

* Datum diameter, not pitch diameter.

Selection program 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.	Replace all belts with new matched set properly installed. Check take-up and follow allowance on page .
	Greatly overloaded or underdesigned drive.	Redesign.
Short Belt Life Relatively rapid failure; no visible reason.	Tensile members damaged through improper installation. Worn sheave grooves (check with groove gauge)	Replace with all new matched set, properly installed.
		Replace sheaves.
	Under-designed drive.	Redesign.
Sidewalls soft and sticky. Low adhesion between cover plies. Cross-section swollen.	Oil or grease on belts or sheaves.	Remove source of oil or grease. Clean belts and grooves with cloth moistened with alcohol.
Sidewalls dry and hard. Low adhesion between cover plies. Bottom belt cracked.	High temperatures.	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).	Use Banded belt. Remove material—shield drive. Realign the drive. Replace sheave.
	Tensile member broken through improper installation. Incorrectly placed flat idler pulley.	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.

Notes

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Roller Chain Sprocket Products

PT5-2	Features/Benefits
PT5-3	Specification: Taper-Lock
PT5-3	#35
PT5-4	#40
PT5-6	#50
PT5-8	#60
PT5-10	#80
PT5-11	#100
PT5-12	#120
PT5-13	#140
PT5-13	#160
PT5-14	Double-Single Sprockets
PT5-15	Selection
PT5-16	Procedure, Example
PT5-25	Engineering/Technical
PT5-25	Custom Taper-Lock
PT5-26	Sprocket Pitch Diameter
PT5-27	Sprocket and Chain Diameter
PT5-28	Roller Chain Installation

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

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

Simple Mounting



Easy On

- Insert bushing into sprocket.
- Match holes (not threads)
- Put screws into holes that are farthest apart.
- Slip unit onto shaft.
- Set drive alignment and tighten screws



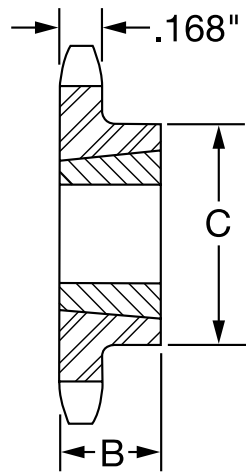
Easy On

- Take both screws out entirely.
- Insert one screw into hole that is threaded in the bushing only.
- Use as jackscrew to disengage bushing.



Specification

No. 35 for 3/8" Pitch Single Strand Chain



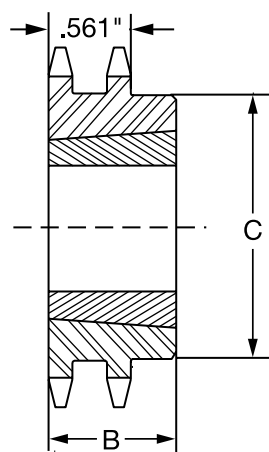
TYPE BTL

Taper-Lock Sprockets

No. of Teeth	Spkt. O.D.	Description	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range		B
						Min.	Max.	
18	2.352	35BTL18-1008	100350	0.5	1.88 $\diamond$	1/2	1	.88
19	2.472	35BTL19-1008	100351	0.6	1.81			
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 $\diamond$	1/2	1-1/4	1.0
23	2.954	35BTL23-1210	100343	1.0	2.88 $\diamond$			
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 $\diamond$	1/2	1-5/8	1.0
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			
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			

$\diamond$ Hub grooved for chain clearance.

No. 35-2 for 3/8" Pitch Double Strand Chain



TYPE BTL

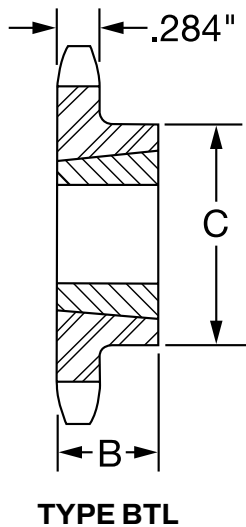
Taper-Lock-Double

No. of Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	Bore Range		B	C Hub Dia.
					Min.	Max.		
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.

Specification

No. 40 for 1/2" Pitch Single Strand Chain



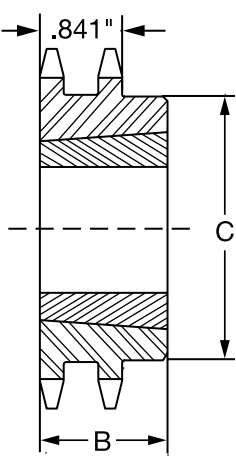
Taper-Lock Sprockets

No. Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range		B
						Min.	Max.	
14	2.490	40BTL14H-1008	100500	0.4	1.81 $\diamond$			
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 $\diamond$			
18	3.136	40BTL18H-1210	100504	0.7	2.47 $\diamond$	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 $\diamond$			
21	3.618	40BTL21H-1610	100507	0.8	2.78 $\diamond$	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

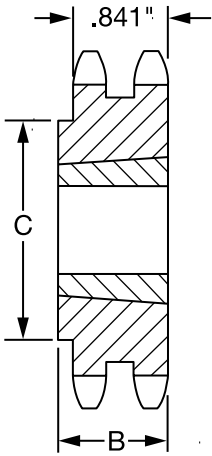
$\diamond$ Hub grooved for chain clearance.
+ "H" suffix indicates Hardened Teeth.

Specification

No. 40-2 for 1/2" Pitch Double Strand Chain



TYPE BTL 1



TYPE BTL 2

Taper-Lock Sprockets

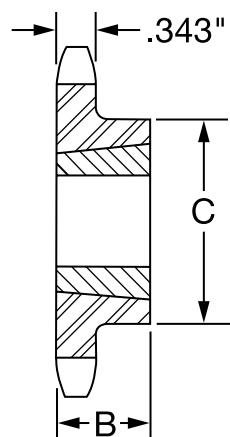
No. of Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range		B
						Min.	Max.	
15	2.652	D40BTL15H-1008•	101001	0.5	1.81			
16	2.814	D40BTL16H-1008	101002	0.7	1.27	1/2	1	0.88
17	2.974	D40BTL17H-1008	101003	0.8	1.27			
18	3.136	D40BTL18H-1210	101004	0.7	2.29			
19	3.292	D40BTL19H-1210	101005	0.9	2.47	1/2	1-1/4	1.00
20	3.457	D40BTL20H-1610	101006	1.1	3.25			
21	3.618	D40BTL21H-1610	101007	1.1	2.69			
23	3.938	D40BTL23H-1610•	101008	1.4	3.00	1/2	1-11/16	1.00
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			
30	5.057	D40BTL30-2012•	101010	3.6	3.56	1/2	2-1/8	1.25
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				
68	11.115	D40BTL68-2517•	101016	20.5		4.25	1/2	2-11/16
76	12.389	D40BTL76-2517•	101017	26.5				1.75
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		B
						Min.	Max.	
12	2.708	50BTL12H-1008	100530	0.5	1.81 $\diamond$			
13	2.991	50BTL13H-1008	100531	0.5	1.81	1/2	1	0.88
14	3.113	50BTL14H-1008	100532	0.6	1.81			
15	3.315	50BTL15H-1210	100533	0.6	2.47 $\diamond$	1/2	1-1/4	1.00
16	3.517	50BTL16H-1610	100534	0.8	2.78 $\diamond$			
17	3.713	50BTL17H-1610	100535	1.1	2.78 $\diamond$	1/2	1-11/16	1.00
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				
24	5.123	50BTL24H-2012	100542	2.4	3.56	1/2	2-1/8	1.25
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				
28	5.922	50BTL28-2012	100545	3.0	4.00	1/2	2-1/8	1.25
30	6.321	50BTL30-2012	100546	3.2	3.56			
32	6.721	50BTL32-2012	100547	3.5				
35	7.319	50BTL35-2012	100548	4.2	3.56	1/2	2-1/8	1.25
36	7.519	50BTL36-2012	100549	4.7				
40	8.316	50BTL40-2012	100550	5.5	3.56	1/2	2-1/8	1.25
42	8.715	50BTL42-2012	100551	6.0				
45	9.313	50BTL45-2012	100552	6.5	3.56	1/2	2-1/8	1.25
48	9.911	50BTL48-2012	100553	7.4				
54	11.106	50BTL54-2012	100554	8.7				
60	12.301	50BTL60-2012	100555	10.5	3.56	1/2	2-1/8	1.25
70	14.292	50BTL70-2517	100556	15.5				
72	14.690	50BTL72-2517	100557	16.5				
80	16.283	50BTL80-2517	100558	19.0	4.25	1/2	2-11/16	1.75
84	17.079	50BTL84-2517	100559	23.1				
96	19.467	50BTL96-2517	100560	32.5				
112	22.651	50BTL112-2517	100561	42.2	4.25	1/2	2-11/16	1.75

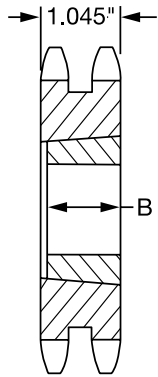
$\diamond$ Hub grooved for chain clearance.

Taper-Lock-Large bore series

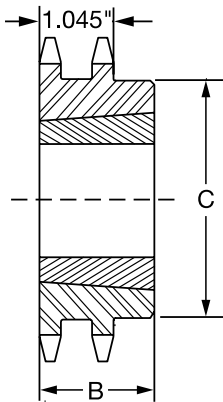
No. of Teeth	Spkt. O.D.	Description	Part No.	Wt.	C Hub Dia.	Bore Range		B
						Min.	Max.	
35	7.319	50BTL35L-2517	100454	4.7	4.25	1/2	2-11/16	1.75
45	9.313	50BTL45L-2517	100699	7.0	4.25	1/2	2-11/16	1.75

Specification

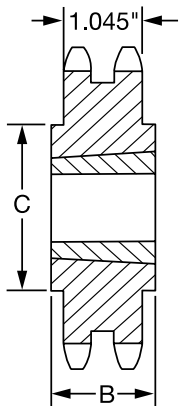
No. 50-2 for 5/8" Pitch Double Strand Chain



TYPE ATL



TYPE BTL



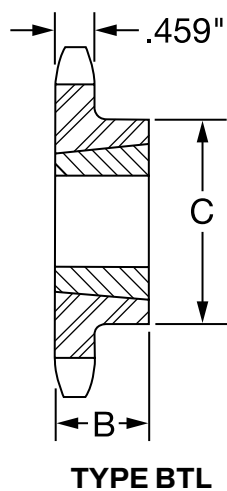
TYPE CTL

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	-	1/2	1-11/16	1.0
17	3.718	D50ATL17H-1610	101034	1.1	-	1/2	1-11/16	1.0
18	3.919	D50ATL18H-1610	101035	1.4	-	1/2	1-11/16	1.0
19	4.121	D50ATL19H-1610	101036	1.7	-	1/2	1-11/16	1.0
20	4.321	D50BTL20H-2012	101037	1.9	-	1/2	1-11/16	1.0
21	4.522	D50BTL21H-2012	101038	2.0	-	1/2	1-11/16	1.0
22	4.722	D50BTL22H-2012	104834	2.5	-	1/2	1-11/16	1.0
24	5.123	D50BTL24H-2012	104836	3.5	3.56	1/2	1-11/16	1.25
25	5.323	D50BTL25H-2012	101039	4.0	-	1/2	1-11/16	1.25
26	5.523	D50BTL26-2012	104837	4.7	-	1/2	1-11/16	1.25
28	5.922	D50BTL28-2012	104838	6.3	-	1/2	1-11/16	1.25
30	6.321	D50BTL30-2517	101040	7.8	-	1/2	1-11/16	1.25
32	6.721	D50BTL32-2517	104839	8.4	-	1/2	1-11/16	1.25
35	7.319	D50BTL35-2517	104840	9.2	-	1/2	1-11/16	1.25
36	7.519	D50CTL36-2517	101041	10.0	-	1/2	1-11/16	1.25
42	8.715	D50CTL42-2517	101042	14.2	-	1/2	1-11/16	1.25
48	9.911	D50CTL48-2517	101043	18.7	-	1/2	1-11/16	1.25
52	10.708	D50CTL52-2517	101044	22.5	4.25	1/2	1-11/16	1.75
60	12.301	D50CTL60-2517	101045	36.5	-	1/2	1-11/16	1.75
68	13.894	D50CTL68-2517	101046	39.5	-	1/2	1-11/16	1.75
76	15.486	D50CTL76-2517	101047	49.5	-	1/2	1-11/16	1.75
84	17.079	D50CTL84-2517	101048	52.0	-	1/2	1-11/16	1.75
95	19.268	D50CTL95-2517	101049	70.0	-	1/2	1-11/16	1.75
102	20.661	D50CTL102-2517	101050	75.0	-	1/2	1-11/16	1.75

+ "H" suffix indicates Hardened Teeth.

Specification

No. 60 for 3/4" Pitch Single Strand Chain



No. of Teeth	Spkt. O.D.	Description +	Part No.	Spkt. Wt. w/o Bush.	C Spkt. Hub Dia.	Bore Range		B Lgth. Thru Bore
						Min.	Max.	
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			
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		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	3.625			
30	7.586	60BTL30-2012	100579	5.5				
32	8.065	60BTL32H-2012	100580	6.0		1/2	2-11/16	1.75
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				
60	14.761	60BTL60-2517	100588	20.7				
70	17.150	60BTL70-2517	100589	30.0	4.25			
72	17.628	60BTL72-2517	100590	31.6		1/2	2-11/16	1.75
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.

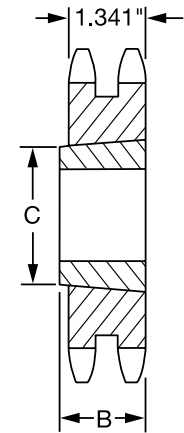
Taper-Lock Sprockets-Large Bore Series

No. of Teeth	Spkt. O.D.	Description L	Part No.	Wt.	Hub Dia. C	Bore Range		B Dim.
						Min.	Max.	
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

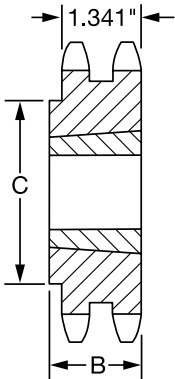
+ "H" suffix indicates Hardened Teeth.

Specification

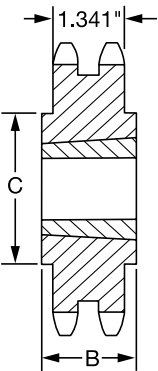
No. 60-2 for 3/4” Pitch Double Strand Chain



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		B
						Min.	Max.	
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				
25	6.387	D60BTL25H-2517	101070	8.00	4.25			
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

Reference Guide

Synchronous Products

V-Belt Products

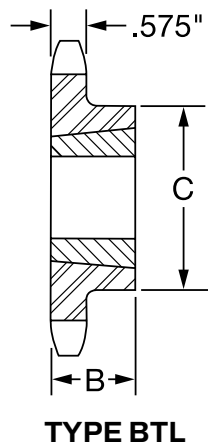
Roller Chain Sprockets

Bushing Products

Accessories Products

Specification

No. 80 for 1" Pitch Single Strand Chain



Taper-Lock

No. of Teeth	Spkt. O.D.	Description +	Part No.	Spkt. Wt. w/o Bush.	C Hub Dia.	Bore Range		B
						Min.	Max.	
10	3.678	80BTL10H-1215	100593	1.2	2.38 $\diamond$	1/2	1-1/4	1.50
11	4.006	80BTL11H-1215	100594	1.5	2.38 $\diamond$			
12	4.332	80BTL12H-1615	100595	1.5	2.94 $\diamond$			
13	4.657	80BTL13H-1615	100596	2.5	2.94	1/2	1-11/16	1.50
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	4.25	1/2	2-11/16	1.75
20	6.914	80BTL20H-2517	100603	5.5				
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	80BTL24H-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	5.25	7/8	3-1/4	2.00
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				

$\diamond$ Hub grooved for chain clearance.
+ "H" suffix indicates Hardened Teeth.

Reference Guide

Synchronous Products

V-Belt Products

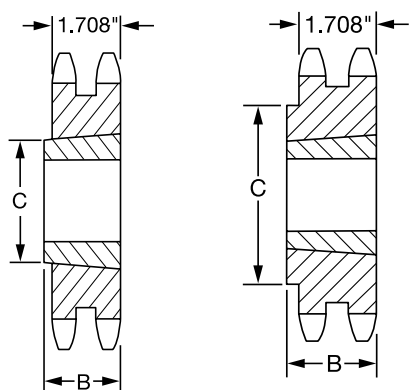
Roller Chain Sprockets

Bushing Products

Accessories Products

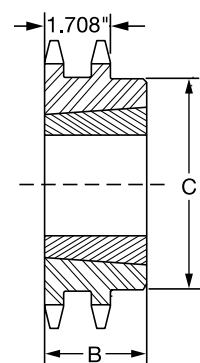
Specification

No. 80-2 for 1" Pitch Double Strand Chain

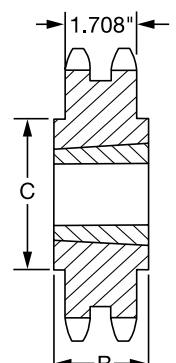


TYPE ATL

TYPE BTL 1



TYPE BTL 2

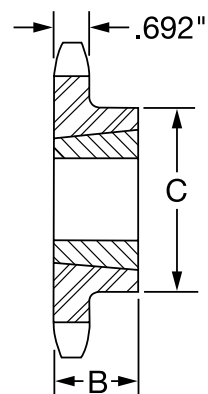


TYPE CTL

Taper-Lock - Double Strand

No. of Teeth	Spkt. O.D.	Description +	Part No.	Spkt. Wt. w/o Bush.	C Hub Dia.	Bore Range		B
						Min.	Max.	
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	-	1/2	2-1/8	1.25
16	5.627	D80ATL16H-2517	101093	4.6	-	1/2	2-11/16	1.75
17	5.949	D80ATL17H-2517	101094	5.5	-	1/2	2-11/16	1.75
18	6.271	D80ATL18H-2517	101095	6.6	-	1/2	2-11/16	1.75
19	6.593	D80BTL19H-3020	101096	7.1	-	1/2	2-11/16	1.75
20	6.914	D80BTL20H-3020	101097	8.2	5.25	1/2	2-11/16	1.75
21	7.235	D80BTL21H-3020	101098	10.4	5.46	1/2	2-11/16	1.75
23	7.876	D80BTL23H-3020	104863	12.0	-	1/2	2-11/16	1.75
25	8.516	D80BTL25H-3020	101099	16.7	-	1/2	2-11/16	1.75
30	10.114	D80BTL30-3020	101100	23.0	-	1/2	2-11/16	1.75
36	12.030	D80BTL36-3020	101101	40	5.25	7/8	3-1/4	2.00
42	13.944	D80BTL42-3020	101102	56	5.25	7/8	3-1/4	2.00
60	19.681	D80CTL60-3020	101105	62	5.25	7/8	3-1/4	2.00
68	22.230	D80CTL68-3020	101106	75	5.25	7/8	3-1/4	2.00
76	24.778	D80CTL76-3020	101107	83	5.25	7/8	3-1/4	2.00
95	30.828	D80CTL95-3020	101108	100	5.25	7/8	3-1/4	2.00

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		B
						Min.	Max.	
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	1/2	1-11/16	1.50
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	3.56	1/2	2-1/8	1.25
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	4.25	1/2	2-11/16	1.75
17	7.436	100BTL17H-2517	100627	7.0	4.25	1/2	2-11/16	1.75
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	4.25	1/2	2-11/16	1.75
20	8.643	100BTL20H-2517	100630	9.8	4.25	1/2	2-11/16	1.75
22	9.444	100BTL22H-2517	100632	11.4	4.50	1/2	2-11/16	1.75
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	4.50	1/2	2-11/16	1.75
26	11.045	100BTL26-2517	100634	16.0	4.50	1/2	2-11/16	1.75
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	5.25	7/8	3-1/4	2.00
32	13.441	100BTL32-3020	100636	25.0	5.25	7/8	3-1/4	2.00
35	14.639	100BTL35-3020	100637	30.2	5.25	7/8	3-1/4	2.00
36	15.038	100BTL36-3020	100638	31.4	5.25	7/8	3-1/4	2.00
40	16.633	100BTL40-3020	100639	36.6	5.25	7/8	3-1/4	2.00
45	18.626	100BTL45-3020	100640	47	5.25	7/8	3-1/4	2.00
48	19.821	100BTL48-3020	100641	60	5.25	7/8	3-1/4	2.00
54	22.211	100BTL54-3020	100642	77	5.25	7/8	3-1/4	2.00
60	24.601	100BTL60-3020	100643	94	5.25	7/8	3-1/4	2.00

Specification

No. 120 for 1-1/2" Pitch Single Strand Chain

Reference Guide

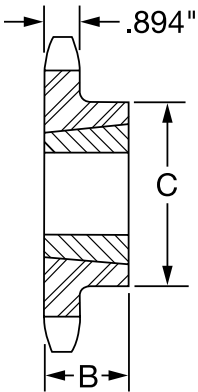
Synchronous Products

V-Belt Products

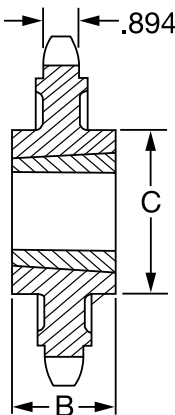
Roller Chain Sprockets

Bushing Products

Accessories Products



TYPE BTL



TYPE CTL

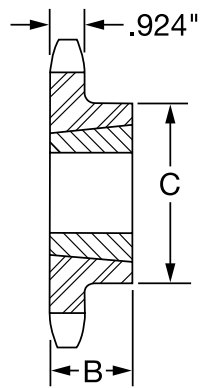
Taper-Lock

No. of Teeth	Spkt. O.D.	Description +	Part No.	Spkt. Wt. w/o Bush.	C Hub Dia.	Bore Range		B
						Min.	Max.	
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	100234	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				

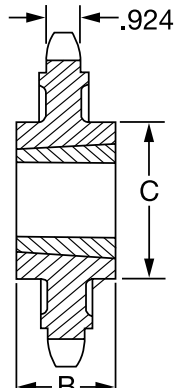
+ "H" suffix indicates Hardened Teeth.

Specification

No. 140 for 1-3/4" Pitch Single Strand Chain



TYPE BTL

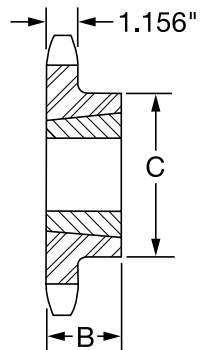


TYPE CTL

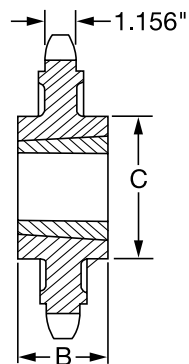
Taper-Lock

No. of Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range		B
						Min.	Max.	
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

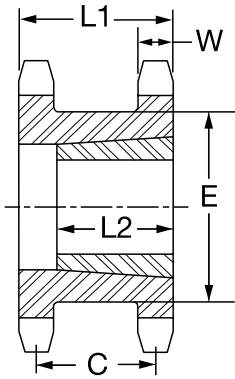
Taper-Lock

No. of Teeth	Spkt. O.D.	Description +	Part No.	Wt. w/o Bush.	C Hub Dia.	Bore Range		B
						Min.	Max.	
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.

Specification

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.	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.	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.	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.	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.	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.

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 PT5-17. 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 by 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 PT5-28)

d = Pitch dia. small sprocket, (see page PT5-28)

c = Proposed center distance

(Accuracy is within .15 percent 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

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:

$$\text{Chain Pull (lbs.)} = \frac{\text{Design HP} \times 126,000}{\text{rpm} \times \text{Pitch diam.}}$$

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		P.D. in inches	@ 50 fpm RPM	@ 100 fpm RPM
	@ 50 fpm or less	@ 50-100 fpm			
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 17	35 18	40 17	40 19	40 23	50 17
751-800	35 17	35 17	35 17	35 17	35 17	35 17	35 17	35 19	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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Selection

Easy Selection Table

Recommended Small Sprocket

Reference Guide	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						
Synchronous Products	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			
V-Belt Products	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	
	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
Roller Chain Sprockets	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
Bushing Products	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	-	-	-	-	-	-	-	-
Accessories Products	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.					

Selection

Basic Horsepower Ratings

35 3/8" Pitch Single Strand Roller Chain No. 35 – 2001

HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM																								
	50	100	200	240	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	9000	10000
11	0.11	0.22	0.42	0.50	1.02	1.41	1.80	2.37	2.93	3.49	4.05	3.86	2.94	2.33	1.91	1.60	1.37	1.18	1.04	0.92	0.82	0.74	0.67	0.57	0.48
12	0.12	0.24	0.46	0.55	1.11	1.54	1.96	2.58	3.20	3.81	4.42	4.40	3.35	2.66	2.17	1.82	1.56	1.35	1.18	1.05	0.94	0.85	0.77	0.64	0.55
13	0.13	0.26	0.50	0.60	1.21	1.67	2.12	2.80	3.47	4.13	4.79	4.96	3.77	3.00	2.45	2.05	1.75	1.52	1.33	1.18	1.06	0.95	0.87	0.73	0.62
14	0.14	0.28	0.54	0.64	1.30	1.80	2.29	3.01	3.73	4.45	5.15	5.55	4.22	3.35	2.74	2.30	1.96	1.70	1.49	1.32	1.18	1.07	0.97	0.81	0.10
15	0.15	0.30	0.58	0.69	1.39	1.92	2.45	3.23	4.00	4.76	5.52	6.15	4.68	3.71	3.04	2.55	2.17	1.88	1.65	1.47	1.31	1.18	1.07	0.90	0.00
16	0.16	0.32	0.62	0.73	1.49	2.05	2.61	3.44	4.26	5.08	5.89	6.77	5.15	4.09	3.35	2.81	2.40	2.08	1.82	1.62	1.45	1.30	1.18	0.44	0.00
17	0.17	0.34	0.65	0.78	1.58	2.18	2.77	3.66	4.53	5.40	6.26	7.40	5.64	4.48	3.67	3.07	2.62	2.27	2.00	1.77	1.58	1.43	1.30	0.00	-
18	0.18	0.36	0.69	0.83	1.67	2.31	2.94	3.87	4.80	5.72	6.63	7.83	6.15	4.88	3.99	3.35	2.86	2.48	2.17	1.93	1.73	1.56	1.41	0.00	-
19	0.19	0.38	0.73	0.87	1.76	2.44	3.10	4.09	5.06	6.03	7.00	8.27	6.67	5.29	4.33	3.63	3.10	2.69	2.36	2.09	1.87	1.69	0.05	0.00	-
20	0.20	0.40	0.77	0.92	1.86	2.56	3.26	4.30	5.33	6.35	7.36	8.71	7.20	5.72	4.68	3.92	3.35	2.90	2.55	2.26	2.02	1.42	0.00	-	-
21	0.21	0.42	0.81	0.96	1.95	2.69	3.43	4.52	5.60	6.67	7.73	9.14	7.75	6.15	5.03	4.22	3.60	3.12	2.74	2.43	2.17	0.00	-	-	-
22	0.22	0.44	0.85	1.01	2.04	2.82	3.59	4.73	5.86	6.99	8.10	9.58	8.31	6.59	5.40	4.52	3.86	3.35	2.94	2.61	1.42	0.00	-	-	-
23	0.23	0.46	0.89	1.06	2.14	2.95	3.75	4.95	6.13	7.30	8.47	10.01	8.88	7.05	5.77	4.83	4.13	3.58	3.14	2.79	0.00	-	-	-	-
24	0.24	0.48	0.92	1.10	2.23	3.08	3.92	5.16	6.40	7.62	8.84	10.45	9.47	7.51	6.15	5.15	4.40	3.81	3.35	2.04	0.00	-	-	-	-
25	0.25	0.50	0.96	1.15	2.32	3.21	4.08	5.38	6.66	7.94	9.20	10.88	10.07	7.99	6.54	5.48	4.68	4.05	3.56	0.12	0.00	-	-	-	-
26	0.26	0.51	1.00	1.19	2.41	3.33	4.24	5.59	6.93	8.26	9.57	11.32	10.68	8.47	6.93	5.81	4.96	4.30	3.40	0.00	-	-	-	-	-
28	0.29	0.55	1.08	1.28	2.60	3.59	4.57	6.02	7.46	8.89	10.31	12.19	11.93	9.47	7.75	6.49	5.55	4.81	0.00	-	-	-	-	-	-
30	0.31	0.59	1.16	1.38	2.79	3.85	4.90	6.45	8.00	9.53	11.05	13.06	13.23	10.50	8.59	7.20	6.15	2.24	0.00	-	-	-	-	-	-
32	0.33	0.63	1.23	1.47	2.97	4.10	5.22	6.88	8.53	10.16	11.78	13.93	14.58	11.57	9.47	7.93	5.76	0.00	-	-	-	-	-	-	-
35	0.36	0.69	1.35	1.61	3.25	4.49	5.71	7.53	9.33	11.11	12.89	15.23	16.67	13.23	10.83	8.85	0.34	0.00	-	-	-	-	-	-	-
40	0.41	0.79	1.54	1.84	3.71	5.13	6.53	8.61	10.66	12.70	14.73	17.41	20.37	16.17	11.04	0.34	0.00	-	-	-	-	-	-	-	-
45	0.46	0.89	1.73	2.07	4.18	5.77	7.35	9.68	11.99	14.29	16.57	19.59	23.33	15.56	3.11	0.00	-	-	-	-	-	-	-	-	-
TYPE A				TYPE B								TYPE C													

41 1/2" Pitch Single Strand Roller Chain No. 41 – 2001

HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM																									
	10	25	50	100	180	200	300	500	700	900	1000	1200	1400	1600	1800	2100	2500	3000	3500	4000	5000	6000	7000	8000	9000	
11	0.03	0.07	0.15	0.28	0.50	0.55	0.81	1.33	1.84	2.34	2.25	1.71	1.36	1.11	0.93	0.74	0.57	0.43	0.34	0.28	0.20	0.15	0.12	0.10	0.00	
12	0.03	0.08	0.16	0.31	0.54	0.60	0.89	1.45	2.00	2.55	2.57	1.95	1.55	1.27	1.06	0.84	0.65	0.49	0.39	0.32	0.23	0.17	0.14	0.11	0.00	
13	0.04	0.09	0.17	0.34	0.59	0.65	0.96	1.57	2.17	2.76	2.89	2.20	1.75	1.43	1.20	0.95	0.73	0.56	0.44	0.36	0.26	0.20	0.16	0.00	-	
14	0.04	0.10	0.19	0.36	0.63	0.70	1.04	1.69	2.34	2.97	3.23	2.46	1.95	1.60	1.34	1.06	0.82	0.62	0.49	0.40	0.29	0.22	0.17	0.00	-	
15	0.04	0.10	0.20	0.39	0.68	0.75	1.11	1.81	2.50	3.19	3.53	2.73	2.17	1.77	1.49	1.18	0.91	0.69	0.55	0.45	0.32	0.24	0.19	0.00	-	
16	0.05	0.11	0.21	0.41	0.73	0.80	1.18	1.93	2.67	3.40	3.76	3.01	2.39	1.95	1.64	1.30	1.00	0.76	0.60	0.49	0.35	0.27	0.00	-	-	
17	0.05	0.12	0.23	0.44	0.77	0.85	1.26	2.05	2.84	3.61	4.00	3.29	2.61	2.14	1.79	1.42	1.10	0.83	0.66	0.54	0.39	0.29	0.00	-	-	
18	0.05	0.12	0.24	0.46	0.82	0.90	1.33	2.18	3.00	3.82	4.23	3.59	2.85	2.33	1.95	1.55	1.19	0.91	0.72	0.59	0.42	0.32	0.00	-	-	
19	0.05	0.13	0.25	0.49	0.86	0.95	1.41	2.30	3.17	4.04	4.47	3.89	3.09	2.53	2.12	1.68	1.29	0.98	0.78	0.64	0.46	0.09	0.00	-	-	
20	0.06	0.14	0.27	0.52	0.91	1.00	1.48	2.42	3.34	4.25	4.70	4.20	3.33	2.73	2.29	1.81	1.40	1.06	0.84	0.69	0.49	0.00	-	-	-	
21	0.06	0.14	0.28	0.54	0.95	1.05	1.55	2.54	3.51	4.46	4.94	4.52	3.59	2.94	2.46	1.95	1.50	1.14	0.91	0.74	0.53	0.00	-	-	-	
22	0.06	0.15	0.29	0.57	1.00	1.10	1.63	2.66	3.67	4.67	5.17	4.85	3.85	3.15	2.64	2.09	1.61	1.23	0.97	0.80	0.57	0.00	-	-	-	
23	0.07	0.16	0.30	0.59	1.04	1.15	1.70	2.78	3.84	4.89	5.41	5.18	4.11	3.37	2.82	2.24	1.72	1.31	1.04	0.85	0.61	0.00	-	-	-	
24	0.07	0.16	0.32	0.62	1.09	1.20	1.78	2.90	4.01	5.10	5.64	5.52	4.38	3.59	3.01	2.39	1.84	1.40	1.11	0.91	0.65	0.00	-	-	-	
25	0.07	0.17	0.33	0.64	1.13	1.25	1.85	3.02	4.17	5.31	5.88	5.87	4.66	3.81	3.20	2.54	1.95	1.49	1.18	0.96	0.00	-	-	-	-	
26	0.07	0.18	0.34	0.67	1.18	1.30	1.92	3.14	4.34	5.52	6.11	6.23	4.94	4.05	3.39	2.69	2.07	1.58	1.25	1.02	0.00	-	-	-	-	
28	0.08	0.19	0.37	0.72	1.27	1.40	2.07	3.38	4.67	5.95	6.58	6.96	5.52	4.52	3.79	3.01	2.31	1.76	1.40	1.14	0.00	-	-	-	-	
30	0.08	0.20	0.40	0.77	1.36	1.50	2.22	3.63	5.01	6.37	7.05	7.72	6.13	5.01	4.20	3.33	2.57	1.95	1.55	1.27	0.00	-	-	-	-	
32	0.09	0.22	0.42	0.82	1.45	1.60	2.37	3.87	5.34	6.80	7.52	8.50	6.75	5.52	4.63	3.67	2.83	2.15	1.71	1.40	0.00	-	-	-	-	
35	0.10	0.24	0.46	0.90	1.59	1.76	2.59	4.23	5.84	7.44	8.23	9.80	7.72	6.32	5.29	4.20	3.23	2.46	1.95	0.00	-	-	-	-	-	
40	0.11	0.27	0.53	1.03	1.81	2.01	2.96	4.83	6.68	8.50	9.40	11.20	9.43	7.72	6.47	5.13	3.95	3.01	0.00	-	-	-	-	-	-	
45	0.13	0.31	0.60	1.16	2.04	2.26	3.33	5.44	7.51	9.56	10.58	12.60	11.25	9.21	7.72	6.13	4.72	3.59	0.00	-	-	-	-	-	-	
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

Selection

Basic Horsepower Ratings

40		1/2" Pitch Single Strand Roller Chain No. 40 – 2001															HORSEPOWER RATINGS												
No. Teeth	Small Sprocket RPM																												
	10	25	50	100	180	200	300	500	700	900	1000	1200	1400	1600	1800	2100	2500	3000	3500	4000	5000	6000	7000	8000	9000				
11	0.06	0.14	0.27	0.52	0.91	1.00	1.48	2.42	3.34	4.25	4.70	5.60	6.49	5.57	4.66	3.70	2.85	2.17	1.72	1.41	1.01	0.77	0.61	0.50	0.00				
12	0.06	0.15	0.29	0.56	0.99	1.09	1.61	2.64	3.64	4.64	5.13	6.11	7.09	6.34	5.31	4.22	3.25	2.47	1.96	1.60	1.15	0.87	0.69	0.57	0.00				
13	0.07	0.16	0.31	0.61	1.07	1.19	1.75	2.86	3.95	5.02	5.56	6.62	7.68	7.15	5.99	4.76	3.66	2.79	2.21	1.81	1.29	0.98	0.78	0.00	-				
14	0.07	0.17	0.34	0.66	1.15	1.28	1.88	3.08	4.25	5.41	5.98	7.13	8.27	7.99	6.70	5.31	4.09	3.11	2.47	2.02	1.45	1.10	0.87	0.00	-				
15	0.08	0.19	0.36	0.70	1.24	1.37	2.02	3.30	4.55	5.80	6.41	7.64	8.86	8.86	7.43	5.89	4.54	3.45	2.74	2.24	1.60	1.22	0.97	0.00	-				
16	0.08	0.20	0.39	0.75	1.32	1.46	2.15	3.52	4.86	6.18	6.84	8.15	9.45	9.76	8.18	6.49	5.00	3.80	3.02	2.47	1.77	1.34	0.00	-	-				
17	0.09	0.21	0.41	0.80	1.40	1.55	2.29	3.74	5.16	6.57	7.27	8.66	10.04	10.69	8.96	7.11	5.48	4.17	3.31	2.71	1.94	1.47	0.00	-	-				
18	0.09	0.22	0.43	0.84	1.48	1.64	2.42	3.96	5.46	6.95	7.69	9.17	10.63	11.65	9.76	7.75	5.97	4.54	3.60	2.95	2.11	1.60	0.00	-	-				
19	0.10	0.24	0.46	0.89	1.57	1.73	2.56	4.18	5.77	7.34	8.12	9.68	11.22	12.64	10.59	8.40	6.47	4.92	3.91	3.20	2.29	0.09	0.00	-	-				
20	0.10	0.25	0.48	0.94	1.65	1.82	2.69	4.39	6.07	7.73	8.55	10.18	11.81	13.42	11.44	9.07	6.99	5.31	4.22	3.45	2.47	0.00	-	-	-				
21	0.11	0.26	0.51	0.98	1.73	1.91	2.83	4.61	6.37	8.11	8.98	10.69	12.40	14.10	12.30	9.76	7.52	5.72	4.54	3.71	2.66	0.00	-	-	-				
22	0.11	0.27	0.53	1.03	1.81	2.01	2.96	4.83	6.68	8.50	9.40	11.20	12.99	14.77	13.19	10.47	8.06	6.13	4.87	3.98	2.85	0.00	-	-	-				
23	0.12	0.28	0.55	1.08	1.90	2.10	3.10	5.05	6.98	8.89	9.83	11.71	13.58	15.44	14.10	11.19	8.62	6.55	5.20	4.26	3.05	0.00	-	-	-				
24	0.12	0.30	0.58	1.12	1.98	2.19	3.23	5.27	7.28	9.27	10.26	12.22	14.17	16.11	15.03	11.93	9.18	6.99	5.54	4.54	0.87	0.00	-	-	-				
25	0.13	0.31	0.60	1.17	2.06	2.28	3.36	5.49	7.59	9.66	10.69	12.73	14.76	16.78	15.98	12.68	9.76	7.43	5.89	4.82	0.00	-	-	-	-				
26	0.13	0.32	0.63	1.22	2.14	2.37	3.50	5.71	7.89	10.04	11.11	13.24	15.35	17.45	16.95	13.45	10.36	7.88	6.25	5.12	0.00	-	-	-	-				
28	0.14	0.35	0.67	1.31	2.31	2.55	3.77	6.15	8.50	10.82	11.97	14.26	16.53	18.79	18.94	15.03	11.57	8.80	6.99	5.72	0.00	-	-	-	-				
30	0.15	0.37	0.72	1.41	2.47	2.74	4.04	6.59	9.11	11.59	12.82	15.28	17.71	20.14	21.01	16.67	12.84	9.76	7.75	6.34	0.00	-	-	-	-				
32	0.16	0.40	0.77	1.50	2.64	2.92	4.31	7.03	9.71	12.36	13.68	16.30	18.89	21.48	23.14	18.37	14.14	10.76	8.54	1.41	-	-	-	-	-				
35	0.18	0.43	0.84	1.64	2.88	3.19	4.71	7.69	10.62	13.52	14.96	17.82	20.67	23.49	26.30	21.01	16.17	12.30	9.76	0.00	-	-	-	-	-				
40	0.21	0.50	0.96	1.87	3.30	3.65	5.38	8.79	12.14	15.45	17.10	20.37	23.62	26.85	30.06	25.67	19.76	15.03	0.00	-	-	-	-	-	-				
45	0.23	0.56	1.08	2.11	3.71	4.10	6.06	9.89	13.66	17.39	19.24	22.92	26.57	30.20	33.82	30.63	23.58	5.53	0.00	-	-	-	-	-	-				
TYPE A					TYPE B										TYPE C														

50		5/8" Pitch Single Strand Roller Chain No. 50 – 2001															HORSEPOWER RATINGS												
No. Teeth	Small Sprocket RPM																												
	10	25	50	100	140	200	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500				
11	0.11	0.27	0.52	1.00	1.39	1.95	2.88	4.70	6.50	8.27	10.24	7.33	5.58	4.42	3.41	2.59	2.06	1.68	1.41	1.20	1.04	0.92	0.81	0.73	0.00				
12	0.12	0.29	0.56	1.09	1.51	2.13	3.14	5.13	7.09	9.02	11.67	8.35	6.35	5.04	3.88	2.95	2.34	1.92	1.61	1.37	1.19	1.04	0.93	0.00	-				
13	0.13	0.31	0.61	1.19	1.64	2.31	3.40	5.56	7.68	9.77	12.88	9.42	7.16	5.69	4.38	3.33	2.64	2.16	1.81	1.55	1.34	1.18	0.00	-	-				
14	0.14	0.34	0.66	1.28	1.76	2.48	3.67	5.99	8.27	10.53	13.87	10.52	8.01	6.35	4.89	3.72	2.95	2.42	2.03	1.73	1.50	0.28	0.00	-	-				
15	0.15	0.36	0.70	1.37	1.89	2.66	3.93	6.41	8.86	11.28	14.86	11.67	8.88	7.05	5.42	4.13	3.27	2.68	2.25	1.92	1.66	0.00	-	-	-				
16	0.16	0.39	0.75	1.46	2.02	2.84	4.19	6.84	9.45	12.03	15.85	12.86	9.78	7.76	5.98	4.55	3.61	2.95	2.47	2.11	0.00	-	-	-	-				
17	0.17	0.41	0.80	1.55	2.14	3.02	4.45	7.27	10.04	12.78	16.85	14.08	10.71	8.50	6.55	4.98	3.95	3.23	2.71	2.31	0.00	-	-	-	-				
18	0.18	0.43	0.84	1.64	2.27	3.19	4.71	7.70	10.63	13.53	17.84	15.34	11.67	9.26	7.13	5.42	4.30	3.52	2.95	0.05	0.00	-	-	-	-				
19	0.19	0.46	0.89	1.73	2.39	3.37	4.98	8.12	11.22	14.28	18.83	16.64	12.66	10.05	7.73	5.88	4.67	3.82	3.20	0.00	-	-	-	-	-				
20	0.20	0.48	0.94	1.82	2.52	3.55	5.24	8.55	11.81	15.04	19.82	17.97	13.67	10.85	8.35	6.35	5.04	4.13	3.46	0.00	-	-	-	-	-				
21	0.21	0.51	0.98	1.92	2.65	3.73	5.50	8.98	12.40	15.79	20.81	19.34	14.71	11.67	8.99	6.84	5.42	4.44	0.00	-	-	-	-	-	-				
22	0.22	0.53	1.03	2.01	2.77	3.90	5.76	9.41	12.99	16.54	21.80	20.73	15.77	12.52	9.64	7.33	5.82	4.76	0.00	-	-	-	-	-	-				
23	0.23	0.55	1.08	2.10	2.90	4.08	6.02	9.83	13.58	17.29	22.79	22.16	16.86	13.38	10.30	7.84	6.22	5.09	0.00	-	-	-	-	-	-				
24	0.24	0.58	1.13	2.19	3.02	4.26	6.28	10.26	14.18	18.04	23.78	23.62	17.97	14.26	10.98	8.35	6.63	1.36	0.00	-	-	-	-	-	-				
25	0.25	0.60	1.17	2.28	3.15	4.44	6.55	10.69	14.77	18.79	24.77	25.11	19.11	15.16	11.67	8.88	7.05	0.00	-	-	-	-	-	-	-				
26	0.26	0.63	1.22	2.37	3.28	4.61	6.81	11.12	15.36	19.55	25.76	26.64	20.26	16.08	12.38	9.42	7.47	0.00	-	-	-	-	-	-	-				
28	0.28	0.67	1.31	2.55	3.53	4.97	7.33	11.97	16.54	21.05	27.75	29.77	22.65	17.97	13.84	10.52	4.74	0.00	-	-	-	-	-	-	-				
30	0.30	0.72	1.41	2.74	3.78	5.32	7.86	12.83	17.72	22.55	29.73	33.01	25.11	19.93	15.34	11.67	0.00	-	-	-	-	-	-	-	-				
32	0.32	0.77	1.50	2.92	4.03	5.68	8.38	13.68	18.90	24.06	31.71	36.37	27.67	21.96	16.90	12.86	0.00	-	-	-	-	-	-	-	-				
35	0.35	0.84	1.64	3.19	4.41	6.21	9.16	14.97	20.67	26.31	34.68	41.60	31.65	25.11	19.34	0.94	0.00	-	-	-	-	-	-	-	-				
40	0.40	0.96	1.88	3.65	5.04	7.10	10.47	17.10	23.63	30.07	39.64	49.11	38.67	30.68	23.62	0.00	-	-	-	-	-	-	-	-	-				
45	0.45	1.08	2.11	4.10	5.67	7.98	11.78	19.24	26.58	33.83	44.59	55.24	46.14	36.61	8.64	-	-	-	-	-	-	-	-	-	-				
TYPE A					TYPE B					TYPE C																			

Selection

Basic Horsepower Ratings

60

3/4" Pitch Single Strand Roller Chain No. 60 – 2001

HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM																											
	10	25	50	100	120	200	300	400	500	600	800	1000	1200	1400	1600	1800	2000	2500	3000	3500	4000	4500	5000	5500	6000			
11	0.19	0.46	0.89	1.72	2.05	3.35	4.95	6.52	8.08	9.63	12.69	15.58	11.85	9.41	7.70	6.45	5.51	3.94	3.00	2.38	1.95	1.63	1.39	1.21	0.00			
12	0.21	0.50	0.97	1.88	2.24	3.66	5.40	7.12	8.82	10.51	13.85	17.15	13.51	10.72	8.77	7.35	6.28	4.49	3.42	2.71	2.22	1.86	1.59	1.38	0.00			
13	0.22	0.54	1.05	2.04	2.43	3.96	5.85	7.71	9.55	11.38	15.00	18.58	15.23	12.08	9.89	8.29	7.08	5.06	3.85	3.06	2.50	2.10	1.79	0.00	-			
14	0.24	0.58	1.13	2.19	2.61	4.27	6.30	8.30	10.29	12.26	16.15	20.01	17.02	13.51	11.05	9.26	7.91	5.66	4.31	3.42	2.80	2.34	0.41	0.00	-			
15	0.26	0.62	1.21	2.35	2.80	4.57	6.75	8.90	11.02	13.13	17.31	21.44	18.87	14.98	12.26	10.27	8.77	6.28	4.77	3.79	3.10	2.60	0.00	-	-			
16	0.27	0.66	1.29	2.51	2.99	4.88	7.20	9.49	11.76	14.01	18.46	22.87	20.79	16.50	13.51	11.32	9.66	6.91	5.26	4.17	3.42	1.78	0.00	-	-			
17	0.29	0.70	1.37	2.66	3.17	5.18	7.65	10.08	12.49	14.88	19.62	24.30	22.77	18.07	14.79	12.40	10.58	7.57	5.76	4.57	3.74	0.00	-	-	-			
18	0.31	0.75	1.45	2.82	3.36	5.49	8.10	10.68	13.23	15.76	20.77	25.73	24.81	19.69	16.11	13.51	11.53	8.25	6.28	4.98	4.08	0.00	-	-	-			
19	0.33	0.79	1.53	2.98	3.55	5.79	8.55	11.27	13.96	16.63	21.92	27.16	26.91	21.35	17.48	14.65	12.50	8.95	6.81	5.40	0.20	0.00	-	-	-			
20	0.34	0.83	1.61	3.13	3.73	6.10	9.00	11.86	14.70	17.51	23.08	28.59	29.06	23.06	18.87	15.82	13.51	9.66	7.35	5.83	0.00	-	-	-	-			
21	0.36	0.87	1.69	3.29	3.92	6.40	9.45	12.46	15.43	18.38	24.23	30.02	31.26	24.81	20.31	17.02	14.53	10.40	7.91	6.28	0.00	-	-	-	-			
22	0.38	0.91	1.77	3.45	4.11	6.71	9.90	13.05	16.17	19.26	25.39	31.45	33.52	26.60	21.77	18.25	15.58	11.15	8.48	0.00	-	-	-	-	-			
23	0.40	0.95	1.85	3.61	4.29	7.01	10.35	13.64	16.90	20.13	26.54	32.88	35.84	28.44	23.28	19.51	16.66	11.92	9.07	0.00	-	-	-	-	-			
24	0.41	0.99	1.93	3.76	4.48	7.32	10.80	14.24	17.64	21.01	27.69	34.31	38.20	30.31	24.81	20.79	17.75	12.70	9.66	0.00	-	-	-	-	-			
25	0.43	1.04	2.01	3.92	4.67	7.62	11.25	14.83	18.37	21.89	28.85	35.74	40.61	32.23	26.38	22.11	18.87	13.51	10.27	0.00	-	-	-	-	-			
26	0.45	1.08	2.09	4.08	4.85	7.93	11.70	15.42	19.11	22.76	30.00	37.17	43.07	34.18	27.98	23.44	20.02	14.32	10.90	0.00	-	-	-	-	-			
28	0.48	1.16	2.26	4.39	5.23	8.54	12.60	16.61	20.58	24.51	32.31	40.03	47.68	38.20	31.26	26.20	22.37	16.01	0.00	-	-	-	-	-	-			
30	0.52	1.24	2.42	4.70	5.60	9.15	13.50	17.79	22.05	26.26	34.62	42.89	51.09	42.36	34.67	29.06	24.81	17.75	0.00	-	-	-	-	-	-			
32	0.55	1.33	2.58	5.02	5.98	9.76	14.40	18.98	23.52	28.01	36.92	45.75	54.50	46.67	38.20	32.01	27.33	19.56	0.00	-	-	-	-	-	-			
35	0.60	1.45	2.82	5.49	6.54	10.67	15.75	20.76	25.72	30.64	40.39	50.03	59.60	53.38	43.69	36.62	31.26	1.35	0.00	-	-	-	-	-	-			
40	0.69	1.66	3.22	6.27	7.47	12.20	18.00	23.73	29.39	35.02	46.16	57.18	68.12	65.22	53.38	44.74	38.20	0.00	-	-	-	-	-	-	-			
45	0.77	1.86	3.63	7.05	8.40	13.72	20.25	26.69	33.07	39.39	51.92	64.33	76.63	77.83	63.70	53.38	12.45	0.00	-	-	-	-	-	-	-			
TYPE A					TYPE B								TYPE C															

80

1" Pitch Single Strand Roller Chain No. 80 – 2001

HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM																											
	10	25	50	75	88	100	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2500	3000	3500	4000	4500			
11	0.44	1.06	2.07	3.05	3.56	4.03	7.83	11.56	15.23	18.87	22.48	26.07	27.41	22.97	19.61	14.92	11.84	9.69	8.12	6.93	4.96	3.77	3.00	2.45	0.00			
12	0.48	1.16	2.26	3.33	3.88	4.39	8.54	12.61	16.62	20.59	24.53	28.44	31.23	26.17	22.35	17.00	13.49	11.04	9.25	7.90	5.65	4.30	3.41	2.79	0.00			
13	0.52	1.26	2.45	3.61	4.21	4.76	9.26	13.66	18.00	22.31	26.57	30.81	35.02	29.51	25.20	19.17	15.21	12.45	10.43	8.91	6.37	4.85	3.85	3.15	-			
14	0.56	1.35	2.63	3.89	4.53	5.12	9.97	14.71	19.39	24.02	28.62	33.18	37.72	32.98	28.16	21.42	17.00	13.91	11.66	9.96	7.12	5.42	4.30	3.52	-			
15	0.60	1.45	2.82	4.16	4.86	5.49	10.68	15.76	20.77	25.74	30.66	35.55	40.41	36.58	31.23	23.76	18.85	15.43	12.93	11.04	7.90	6.01	4.77	0.00	-			
16	0.64	1.55	3.01	4.44	5.18	5.86	11.39	16.81	22.16	27.45	32.70	37.92	43.11	40.30	34.41	26.17	20.77	17.00	14.25	12.16	8.70	6.62	5.25	0.00	-			
17	0.68	1.64	3.20	4.72	5.50	6.22	12.10	17.86	23.54	29.17	34.75	40.29	45.80	44.13	37.68	28.66	22.75	18.62	15.60	13.32	9.53	7.25	0.00	-	-			
18	0.72	1.74	3.39	5.00	5.83	6.59	12.81	18.91	24.93	30.88	36.79	42.66	48.49	48.08	41.05	31.23	24.78	20.29	17.00	14.51	10.39	7.90	0.00	-	-			
19	0.76	1.84	3.57	5.28	6.15	6.95	13.53	19.96	26.31	32.60	38.84	45.03	51.19	52.15	44.52	33.87	26.88	22.00	18.44	15.74	11.26	0.36	0.00	-	-			
20	0.80	1.93	3.76	5.55	6.47	7.32	14.24	21.01	27.70	34.32	40.88	47.40	53.88	56.32	48.08	36.58	29.03	23.76	19.91	17.00	12.16	0.00	-	-	-			
21	0.84	2.03	3.95	5.83	6.80	7.69	14.95	22.07	29.08	36.03	42.92	49.77	56.58	60.59	51.73	39.36	31.23	25.56	21.42	18.29	13.09	0.00	-	-	-			
22	0.88	2.13	4.14	6.11	7.12	8.05	15.66	23.12	30.47	37.75	44.97	52.14	59.27	64.97	55.47	42.20	33.49	27.41	22.97	19.61	14.03	-	-	-	-			
23	0.92	2.22	4.33	6.39	7.45	8.42	16.37	24.17	31.85	39.46	47.01	54.51	61.97	69.38	59.30	45.11	35.80	29.30	24.55	20.97	15.00	-	-	-	-			
24	0.96	2.32	4.52	6.66	7.77	8.78	17.09	25.22	33.24	41.18	49.06	56.88	64.66	72.40	63.21	48.08	38.16	31.23	26.17	22.35	15.99	-	-	-	-			
25	1.00	2.42	4.70	6.94	8.09	9.15	17.80	26.27	34.62	42.89	51.10	59.25	67.35	75.42	67.20	51.12	40.57	33.20	27.83	23.76	8.16	-	-	-	-			
26	1.04	2.51	4.89	7.22	8.42	9.52	18.51	27.32	36.01	44.61	53.14	61.62	70.05	78.43	71.27	54.22	43.02	35.22	29.51	25.20	0.00	-	-	-	-			
28	1.12	2.71	5.27	7.77	9.06	10.25	19.93	29.42	38.78	48.04	57.23	66.36	75.44	84.47	79.65	60.59	48.08	39.36	32.98	28.16	0.00	-	-	-	-			
30	1.20	2.90	5.64	8.33	9.71	10.98	21.36	31.52	41.55	51.47	61.32	71.10	80.82	90.50	88.33	67.20	53.33	43.65	36.58	31.23	-	-	-	-	-			
32	1.28	3.09	6.02	8.89	10.36	11.71	22.78	33.62	44.32	54.91	65.41	75.84	86.21	96.53	97.31	74.03	58.75	48.08	40.30	5.65	-	-	-	-	-			
35	1.40	3.38	6.58	9.72	11.33	12.81	24.92	36.78	48.47	60.05	71.54	82.95	94.29	105.58	111.31	84.68	67.20	55.00	28.15	0.00	-	-	-	-	-			
40	1.61	3.87	7.53	11.11	12.95	14.64	28.48	42.03	55.40	68.63	81.76	94.80	107.77	120.67	133.51	103.46	82.10	40.16	0.00	-	-	-	-	-	-			
45	1.81	4.35	8.47	12.49	14.57	16.47	32.04	47.28	62.32	77.21	91.98	106.65	121.24	135.75	150.20	123.45	72.28	0.00	-	-	-	-	-	-	-			
TYPE A					TYPE B									TYPE C														

Selection

Basic Horsepower Ratings

100 1-1/4" Pitch Single Strand Roller Chain No. 100 – 2001

HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM																								
	10	25	50	71	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2500	3000	3500	4000
11	0.85	2.04	3.96	5.55	7.71	11.38	15.00	22.14	29.18	36.15	43.06	40.03	32.77	27.46	23.45	20.32	17.84	14.15	11.58	9.71	8.29	5.93	4.51	3.58	0.00
12	0.92	2.22	4.32	6.05	8.41	12.41	16.36	24.15	31.83	39.44	46.98	45.61	37.33	31.29	26.71	23.16	20.32	16.13	13.20	11.06	9.45	6.76	5.14	0.00	-
13	1.00	2.41	4.68	6.56	9.11	13.45	17.73	26.16	34.48	42.72	50.89	51.43	42.10	35.28	30.12	26.11	22.92	18.18	14.88	12.47	10.65	7.62	5.80	0.00	-
14	1.08	2.59	5.04	7.06	9.81	14.48	19.09	28.18	37.14	46.01	54.81	57.48	47.05	39.43	33.66	29.18	25.61	20.32	16.63	13.94	11.90	8.52	6.13	0.00	-
15	1.15	2.78	5.41	7.57	10.51	15.52	20.45	30.19	39.79	49.30	58.72	63.75	52.18	43.73	37.33	32.36	28.40	22.54	18.45	15.46	13.20	9.45	0.00	-	-
16	1.23	2.96	5.77	8.07	11.22	16.55	21.82	32.20	42.44	52.58	62.64	70.23	57.48	48.17	41.13	35.65	31.29	24.83	20.32	17.03	14.54	10.41	0.00	-	-
17	1.31	3.15	6.13	8.58	11.92	17.59	23.18	34.21	45.10	55.87	66.55	76.91	62.95	52.76	45.05	39.04	34.27	27.19	22.26	18.65	15.93	11.40	0.00	-	-
18	1.38	3.33	6.49	9.08	12.62	18.62	24.55	36.23	47.75	59.15	70.47	81.71	68.59	57.48	49.08	42.54	37.33	29.63	24.25	20.32	17.35	0.18	0.00	-	-
19	1.46	3.52	6.85	9.59	13.32	19.66	25.91	38.24	50.40	62.44	74.38	86.25	74.38	62.34	53.22	46.13	40.49	32.13	26.30	22.04	18.82	0.00	-	-	-
20	1.54	3.70	7.21	10.09	14.02	20.69	27.27	40.25	53.05	65.73	78.30	90.79	80.33	67.32	57.48	49.82	43.73	34.70	28.40	23.80	20.32	0.00	-	-	-
21	1.61	3.89	7.57	10.60	14.72	21.73	28.64	42.26	55.71	69.01	82.21	95.33	86.43	72.43	61.85	53.61	47.05	37.33	30.56	25.61	21.87	0.00	-	-	-
22	1.69	4.08	7.93	11.10	15.42	22.76	30.00	44.28	58.36	72.30	86.13	99.87	92.68	77.67	66.31	57.48	50.45	40.03	32.77	27.46	23.45	0.00	-	-	-
23	1.77	4.26	8.29	11.60	16.12	23.79	31.36	46.29	61.01	75.59	90.04	104.41	99.07	83.02	70.89	61.44	53.93	42.79	35.03	29.35	25.06	0.00	-	-	-
24	1.84	4.45	8.65	12.11	16.82	24.83	32.73	48.30	63.66	78.87	93.96	108.95	105.60	88.50	75.56	65.49	57.48	45.61	37.33	31.29	5.43	0.00	-	-	-
25	1.92	4.63	9.01	12.61	17.52	25.86	34.09	50.31	66.32	82.16	97.87	113.48	112.27	94.09	80.33	69.63	61.11	48.49	39.69	33.26	0.00	-	-	-	-
26	2.00	4.82	9.37	13.12	18.23	26.90	35.45	52.33	68.97	85.45	101.79	118.02	119.07	99.79	85.20	73.85	64.81	51.43	42.10	35.28	0.00	-	-	-	-
28	2.15	5.19	10.09	14.13	19.63	28.97	38.18	56.35	74.27	92.02	109.62	127.10	133.07	111.52	95.22	82.53	72.43	57.48	47.05	0.00	-	-	-	-	-
30	2.31	5.56	10.81	15.14	21.03	31.04	40.91	60.38	79.58	98.59	117.45	136.18	147.58	123.68	105.60	91.53	80.33	63.75	49.40	0.00	-	-	-	-	-
32	2.46	5.93	11.53	16.15	22.43	33.11	43.64	64.40	84.88	105.16	125.28	145.26	162.58	136.25	116.33	100.84	88.50	70.23	8.82	0.00	-	-	-	-	-
35	2.69	6.48	12.61	17.66	24.53	36.21	47.73	70.44	92.84	115.02	137.02	158.88	180.61	155.85	133.07	115.34	101.23	69.02	0.00	-	-	-	-	-	-
40	3.07	7.41	14.41	20.18	28.04	41.38	54.54	80.50	106.11	131.45	156.60	181.58	206.41	190.42	162.58	140.92	122.68	0.00	-	-	-	-	-	-	-
45	3.46	8.34	16.22	22.71	31.54	46.55	61.36	90.56	119.37	147.89	176.17	204.27	232.21	227.21	194.00	168.15	34.58	0.00	-	-	-	-	-	-	-
TYPE A				TYPE B								TYPE C													

120 1-1/2" Pitch Single Strand Roller Chain No. 120 – 2001

HORSEPOWER RATINGS

No. Teeth	Small Sprocket RPM																								
	10	25	50	60	75	100	150	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2200	2400	2700	3000
11	1.43	3.44	6.69	7.97	9.88	13.02	19.22	25.33	37.38	49.27	61.04	58.37	46.32	37.91	31.77	27.13	20.64	16.38	13.40	11.23	9.59	8.31	7.30	6.11	0.00
12	1.56	3.75	7.30	8.70	10.78	14.20	20.96	27.63	40.78	53.75	66.59	66.51	52.78	43.20	36.20	30.91	23.51	18.66	15.27	12.80	10.93	9.47	8.31	6.97	0.00
13	1.69	4.07	7.91	9.42	11.67	15.39	22.71	29.93	44.18	58.23	72.14	74.99	59.51	48.71	40.82	34.85	26.51	21.04	17.22	14.43	12.32	10.68	9.37	0.00	-
14	1.82	4.38	8.52	10.15	12.57	16.57	24.46	32.24	47.58	62.71	77.69	83.81	66.51	54.44	45.62	38.95	29.63	23.51	19.25	16.13	13.77	11.94	10.48	0.00	-
15	1.95	4.69	9.13	10.87	13.47	17.76	26.20	34.54	50.98	67.19	83.24	92.95	73.76	60.37	50.59	43.20	32.86	26.08	21.34	17.89	15.27	13.24	0.00	-	-
16	2.08	5.00	9.74	11.60	14.37	18.94	27.95	36.84	54.37	71.67	88.79	102.39	81.26	66.51	55.74	47.59	36.20	28.73	23.51	19.71	16.83	14.58	0.00	-	-
17	2.21	5.32	10.34	12.32	15.27	20.12	29.70	39.14	57.77	76.15	94.34	112.14	88.99	72.84	61.04	52.12	39.65	31.46	25.75	21.58	18.43	0.00	-	-	-
18	2.34	5.63	10.95	13.05	16.16	21.31	31.45	41.45	61.17	80.63	99.89	119.00	96.96	79.36	66.51	56.78	43.20	34.28	28.06	23.51	20.08	0.00	-	-	-
19	2.47	5.94	11.56	13.77	17.06	22.49	33.19	43.75	64.57	85.11	105.44	125.61	105.15	86.06	72.13	61.58	46.85	37.18	30.43	25.50	0.80	0.00	-	-	-
20	2.60	6.26	12.17	14.50	17.96	23.67	34.94	46.05	67.97	89.59	110.99	132.22	113.56	92.95	77.89	66.51	50.59	40.15	32.86	27.54	0.00	-	-	-	-
21	2.73	6.57	12.78	15.22	18.86	24.86	36.69	48.36	71.37	94.07	116.54	138.83	122.18	100.00	83.81	71.56	54.44	43.20	35.36	27.46	0.00	-	-	-	-
22	2.86	6.88	13.39	15.95	19.76	26.04	38.43	50.66	74.76	98.55	122.09	145.44	131.01	107.23	89.87	76.73	58.37	46.32	37.91	0.00	-	-	-	-	-
23	2.99	7.19	14.00	16.67	20.65	27.22	40.18	52.96	78.16	103.02	127.64	152.05	140.04	114.62	96.06	82.02	62.39	49.51	40.53	0.00	-	-	-	-	-
24	3.11	7.51	14.60	17.40	21.55	28.41	41.93	55.26	81.56	107.50	133.19	158.66	149.28	122.18	102.39	87.43	66.51	52.78	43.20	0.00	-	-	-	-	-
25	3.24	7.82	15.21	18.12	22.45	29.59	43.67	57.57	84.96	111.98	138.74	165.27	158.70	129.90	108.86	92.95	70.71	56.11	46.32	0.00	-	-	-	-	-
26	3.37	8.13	15.82	18.85	23.35	30.78	45.42	59.87	88.36	116.46	144.29	171.88	168.32	137.77	115.46	98.58	74.99	59.51	0.00	-	-	-	-	-	-
28	3.63	8.76	17.04	20.30	25.15	33.14	48.92	64.47	95.15	125.42	155.38	185.11	188.11	153.97	129.03	110.17	83.81	66.51	0.00	-	-	-	-	-	-
30	3.89	9.38	18.25	21.75	26.94	35.51	52.41	69.08	101.95	134.38	166.48	198.33	208.62	170.75	143.10	122.18	92.95	74.99	0.00	-	-	-	-	-	-
32	4.15	10.01	19.47	23.20	28.74	37.88	55.90	73.68	108.75	143.34	177.58	211.55	229.83	188.11	157.65	134.60	102.39	0.00	-	-	-	-	-	-	-
35	4.54	10.95	21.30	25.37	31.43	41.43	61.14	80.59	118.94	156.78	194.23	231.38	262.89	215.17	180.33	153.97	117.13	0.00	-	-	-	-	-	-	-
40	5.19	12.51	24.34	28.99	35.92	47.35	69.88	92.11	135.94	179.17	221.98	264.44	306.61	262.89	220.32	176.66	0.00	-	-	-	-	-	-	-	-
45	5.84	14.08	27.38	32.62	40.41	53.27	78.61	103.62	152.93	201.57	249.72	297.49	344.94	313.69	213.33	49.79	0.00	-	-	-	-	-	-	-	-
TYPE A				TYPE B								TYPE C													

Lubrication Note

Selection

Basic Horsepower Ratings

140		1-3/4" Pitch Single Strand Roller Chain No. 140 – 2001														HORSEPOWER RATINGS													
No. Teeth	Small Sprocket RPM																												
	5	10	25	50	53	75	100	150	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2200	2400	2700				
11	1.14	2.21	5.32	10.36	10.95	15.28	20.15	29.73	39.19	57.84	76.24	86.80	66.03	52.40	42.89	35.94	30.69	23.35	18.53	15.16	12.71	10.85	9.40	8.25	0.00				
12	1.24	2.41	5.81	11.30	11.95	16.67	21.98	32.44	42.75	63.10	83.17	98.90	75.24	59.70	48.87	40.95	34.97	26.60	21.11	17.28	14.48	12.36	10.72	0.72	0.00				
13	1.34	2.61	6.29	12.24	12.94	18.06	23.81	35.14	46.32	68.36	90.10	111.52	84.83	67.32	55.10	46.18	39.43	29.99	23.80	19.48	16.33	13.94	12.08	0.00	–				
14	1.45	2.81	6.78	13.18	13.94	19.45	25.64	37.84	49.88	73.61	97.03	120.21	94.81	75.24	61.58	51.61	44.06	33.52	26.60	21.77	18.25	15.58	0.00	–	–				
15	1.55	3.01	7.26	14.12	14.93	20.84	27.47	40.54	53.44	78.87	103.96	128.79	105.15	83.44	68.29	57.23	48.87	37.17	29.50	24.15	20.24	17.28	0.00	–	–				
16	1.65	3.21	7.74	15.06	15.93	22.23	29.30	43.25	57.00	84.13	110.89	137.38	115.83	91.92	75.24	63.05	53.83	40.95	32.50	26.60	22.29	0.00	–	–	–				
17	1.75	3.41	8.23	16.00	16.93	23.62	31.13	45.95	60.57	89.39	117.82	145.97	126.86	100.67	82.40	69.05	58.96	44.85	35.59	29.13	24.41	0.00	–	–	–				
18	1.86	3.61	8.71	16.95	17.92	25.01	32.97	48.65	64.13	94.65	124.75	154.55	138.22	109.68	89.77	75.24	64.24	48.87	38.78	31.74	0.00	–	–	–	–				
19	1.96	3.82	9.20	17.89	18.92	26.40	34.80	51.36	67.69	99.90	131.68	163.14	149.89	118.95	97.36	81.59	69.66	53.00	42.06	34.42	0.00	–	–	–	–				
20	2.06	4.02	9.68	18.83	19.91	27.79	36.63	54.06	71.25	105.16	138.61	171.73	161.88	128.46	105.15	88.12	75.24	57.23	45.42	35.82	0.00	–	–	–	–				
21	2.17	4.22	10.16	19.77	20.91	29.18	38.46	56.76	74.82	110.42	145.54	180.31	174.17	138.22	113.13	94.81	80.95	61.58	48.87	0.00	–	–	–	–	–				
22	2.27	4.42	10.65	20.71	21.90	30.57	40.29	59.47	78.38	115.68	152.47	188.90	186.76	148.21	121.30	101.66	86.80	66.03	52.40	0.00	–	–	–	–	–				
23	2.37	4.62	11.13	21.65	22.90	31.96	42.12	62.17	81.94	120.94	159.40	197.48	199.64	158.43	129.67	108.67	92.78	70.58	56.01	0.00	–	–	–	–	–				
24	2.48	4.82	11.62	22.60	23.90	33.35	43.95	64.87	85.51	126.20	166.33	206.07	212.80	168.87	138.22	115.83	98.90	75.24	37.90	0.00	–	–	–	–	–				
25	2.58	5.02	12.10	23.54	24.89	34.74	45.79	67.57	89.07	131.45	173.27	214.66	226.24	179.53	146.94	123.15	105.15	79.99	0.00	–	–	–	–	–	–				
26	2.68	5.22	12.58	24.48	25.89	36.13	47.62	70.28	92.63	136.71	180.20	223.24	239.95	190.41	155.85	130.61	111.52	84.83	0.00	–	–	–	–	–	–				
28	2.89	5.62	13.55	26.36	27.88	38.91	51.28	75.68	99.76	147.23	194.06	240.42	268.16	212.80	174.17	145.97	124.63	94.81	0.00	–	–	–	–	–	–				
30	3.10	6.02	14.52	28.24	29.87	41.68	54.94	81.09	106.88	157.74	207.92	257.59	297.40	236.00	193.16	161.88	138.22	18.64	0.00	–	–	–	–	–	–				
32	3.30	6.43	15.49	30.13	31.86	44.46	58.61	86.50	114.01	168.26	221.78	274.76	327.63	259.99	212.80	178.34	152.27	0.00	–	–	–	–	–	–	–				
35	3.61	7.03	16.94	32.95	34.85	48.63	64.10	94.60	124.70	184.03	242.57	300.52	358.00	297.40	243.41	203.99	135.27	–	–	–	–	–	–	–	–				
40	4.13	8.03	19.36	37.66	39.83	55.58	73.26	108.12	142.51	210.33	277.22	343.45	409.15	363.35	297.40	153.78	0.00	–	–	–	–	–	–	–	–				
45	4.65	9.04	21.78	42.37	44.80	62.53	82.42	121.63	160.32	236.62	311.88	386.38	460.29	433.56	221.34	0.00	–	–	–	–	–	–	–	–	–				
TYPE A					TYPE B								TYPE C																

160		2" Pitch Single Strand Roller Chain No. 160 – 2001														HORSEPOWER RATINGS													
No. Teeth	Small Sprocket RPM																												
	5	10	25	47	50	75	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2200	2400				
11	1.65	3.20	7.72	14.16	15.02	22.17	29.23	43.14	56.86	83.91	110.60	96.58	73.47	58.31	47.72	39.99	34.15	29.60	25.98	20.61	16.87	14.14	12.07	10.46	0.00				
12	1.80	3.50	8.43	15.45	16.39	24.19	31.88	47.06	62.03	91.54	120.66	110.05	83.72	66.44	54.38	45.57	38.91	33.73	29.60	23.49	19.22	16.11	13.76	0.00	–				
13	1.95	3.79	9.13	16.73	17.76	26.21	34.54	50.98	67.19	99.17	130.71	124.09	94.40	74.91	61.31	51.38	43.87	38.03	33.37	26.48	21.68	18.17	0.00	–	–				
14	2.10	4.08	9.83	18.02	19.12	28.22	37.20	54.90	72.36	106.80	140.77	138.68	105.50	83.72	68.52	57.43	49.03	42.50	37.30	29.60	24.23	20.30	0.00	–	–				
15	2.25	4.37	10.53	19.31	20.49	30.24	39.86	58.82	77.53	114.43	150.82	153.80	117.00	92.85	75.99	63.69	54.38	47.13	41.37	32.83	26.87	0.00	–	–	–				
16	2.40	4.66	11.23	20.59	21.85	32.25	42.51	62.74	82.70	122.05	160.88	169.43	128.89	102.28	83.72	70.16	59.90	51.92	45.57	36.16	29.60	0.00	–	–	–				
17	2.55	4.95	11.94	21.88	23.22	34.27	45.17	66.66	87.87	129.68	170.93	185.56	141.16	112.02	91.69	76.84	65.61	56.87	49.91	39.61	24.21	0.00	–	–	–				
18	2.70	5.24	12.64	23.17	24.59	36.29	47.83	70.59	93.04	137.31	180.99	202.17	153.80	122.05	99.90	83.72	71.48	61.96	54.38	43.15	0.00	–	–	–	–				
19	2.85	5.54	13.34	24.45	25.95	38.30	50.48	74.51	98.21	144.94	191.04	219.25	166.79	132.36	108.33	90.79	77.52	67.19	58.97	46.80	0.00	–	–	–	–				
20	3.00	5.83	14.04	25.74	27.32	40.32	53.14	78.43	103.38	152.57	201.10	236.79	180.13	142.95	117.00	98.05	83.72	72.57	63.69	46.79	0.00	–	–	–	–				
21	3.15	6.12	14.74	27.03	28.68	42.33	55.80	82.35	108.54	160.20	211.15	254.77	193.81	153.80	125.88	105.50	90.07	78.08	68.52	0.00	–	–	–	–	–				
22	3.29	6.41	15.45	28.32	30.05	44.35	58.45	86.27	113.71	167.83	221.21	273.18	207.82	164.91	134.98	113.12	96.58	83.72	73.47	0.00	–	–	–	–	–				
23	3.44	6.70	16.15	29.60	31.42	46.36	61.11	90.19	118.88	175.45	231.26	286.51	222.15	176.29	144.29	120.92	103.24	89.49	78.54	0.00	–	–	–	–	–				
24	3.59	6.99	16.85	30.89	32.78	48.38	63.77	94.11	124.05	183.08	241.32	298.97	236.79	187.91	153.80	128.89	110.05	95.39	83.72	0.00	–	–	–	–	–				
25	3.74	7.28	17.55	32.18	34.15	50.40	66.43	98.04	129.22	190.71	251.37	311.42	251.74	199.77	163.51	137.03	117.00	101.41	32.66	0.00	–	–	–	–	–				
26	3.89	7.57	18.26	33.46	35.51	52.41	69.08	101.96	134.39	198.34	261.43	323.88	267.00	211.88	173.42	145.33	124.09	107.56	0.00	–	–	–	–	–	–				
28	4.19	8.16	19.66	36.04	38.24	56.44	74.40	109.80	144.73	213.60	281.54	348.79	298.39	236.79	193.81	162.42	138.68	36.88	0.00	–	–	–	–	–	–				
30	4.49	8.74	21.06	38.61	40.98	60.48	79.71	117.64	155.06	228.85	301.65	373.71	330.92	262.61	214.94	180.13	126.46	0.00	–	–	–	–	–	–	–				
32	4.79	9.32	22.47	41.19	43.71	64.51	85.03	125.49	165.40	244.11	321.76	398.62	364.56	289.30	236.79	198.44	22.58	0.00	–	–	–	–	–	–	–				
35	5.24	10.20	24.57	45.05	47.81	70.55	93.00	137.25	180.91	266.99	351.92	435.99	417.01	330.92	270.86	112.60	0.00	–	–	–	–	–	–	–	–				
40	5.99	11.65	28.09	51.48	54.63	80.63	106.28	156.86	206.75	305.14	402.19	498.28	509.49	404.31	160.63	0.00	–	–	–	–	–	–	–	–	–				
45	6.74	13.11	31.60	57.92	61.46	90.71	119.57	176.47	232.59	343.28	452.47	560.56	607.95	289.10	0.00	–	–	–	–	–	–	–	–	–	–				
TYPE A				TYPE B				TYPE C																					

Selection

Basic Horsepower Ratings

180		2-1/4" Pitch Single Strand Roller Chain No. 180 – 2001														HORSEPOWER RATINGS													
No. Teeth	Small Sprocket RPM																												
	2	5	10	25	43	50	75	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000					
11	0.94	2.27	4.43	10.66	17.95	20.75	30.62	40.36	59.56	78.51	115.87	148.32	106.13	80.73	64.07	52.44	43.95	37.52	32.52	28.54	22.65	18.54	15.54	0.00					
12	1.03	2.48	4.83	11.63	19.58	22.63	33.40	44.03	64.98	85.64	126.40	166.61	120.92	91.99	73.00	59.75	50.07	42.75	37.06	32.52	25.81	21.12	17.70	0.00					
13	1.12	2.69	5.23	12.60	21.21	24.52	36.19	47.70	70.39	92.78	136.93	180.49	136.35	103.72	82.31	67.37	56.46	48.21	41.79	36.67	29.10	23.82	0.00	–					
14	1.20	2.90	5.63	13.57	22.84	26.40	38.97	51.36	75.81	99.92	147.47	194.37	152.38	115.92	91.99	75.29	63.10	53.87	46.70	40.98	32.52	26.62	0.00	–					
15	1.29	3.10	6.03	14.54	24.48	28.29	41.75	55.03	81.22	107.06	158.00	208.26	169.00	128.56	102.02	83.50	69.98	59.75	51.79	45.45	36.07	0.00	–	–					
16	1.37	3.31	6.44	15.51	26.11	30.18	44.54	58.70	86.64	114.19	168.53	222.14	186.17	141.63	112.39	91.99	77.09	65.82	57.05	50.07	39.74	0.00	–	–					
17	1.46	3.52	6.84	16.48	27.74	32.06	47.32	62.37	92.05	121.33	179.07	236.02	203.90	155.11	123.09	100.75	84.43	72.09	62.49	54.84	43.52	0.00	–	–					
18	1.54	3.72	7.24	17.45	29.37	33.95	50.10	66.04	97.47	128.47	189.60	249.91	222.15	169.00	134.11	109.77	91.99	78.54	68.08	59.75	0.00	–	–	–					
19	1.63	3.93	7.64	18.42	31.00	35.83	52.89	69.71	102.88	135.60	200.13	263.79	240.92	183.27	145.44	119.04	99.76	85.18	73.83	64.80	0.00	–	–	–					
20	1.72	4.14	8.05	19.39	32.64	37.72	55.67	73.38	108.30	142.74	210.67	277.68	260.19	197.93	157.07	128.56	107.74	91.99	79.74	69.98	0.00	–	–	–					
21	1.80	4.34	8.45	20.36	34.27	39.61	58.45	77.05	113.71	149.88	221.20	291.56	279.94	212.96	169.00	138.32	115.92	98.97	85.79	75.29	0.00	–	–	–					
22	1.89	4.55	8.85	21.33	35.90	41.49	61.24	80.71	119.12	157.02	231.73	305.44	300.17	228.35	181.21	148.32	124.30	106.13	91.99	0.00	–	–	–	–					
23	1.97	4.76	9.25	22.30	37.53	43.38	64.02	84.38	124.54	164.15	242.27	319.33	320.87	244.10	193.70	158.54	132.87	113.45	98.33	0.00	–	–	–	–					
24	2.06	4.96	9.65	23.27	39.16	45.26	66.80	88.05	129.95	171.29	252.80	333.21	342.02	260.19	206.47	169.00	141.63	120.92	40.34	0.00	–	–	–	–					
25	2.15	5.17	10.06	24.24	40.79	47.15	69.59	91.72	135.37	178.43	263.33	347.10	363.62	276.62	219.51	179.67	150.57	128.56	0.00	–	–	–	–	–					
26	2.23	5.38	10.46	25.21	42.43	49.04	72.37	95.39	140.78	185.56	273.87	360.98	385.66	293.38	232.81	190.55	159.69	122.43	0.00	–	–	–	–	–					
28	2.40	5.79	11.26	27.15	45.69	52.81	77.94	102.73	151.61	199.84	294.93	388.75	431.00	327.87	260.19	212.96	178.47	0.00	–	–	–	–	–	–					
30	2.57	6.20	12.07	29.09	48.95	56.58	83.50	110.07	162.44	214.11	316.00	416.51	477.99	363.62	288.56	236.18	128.92	0.00	–	–	–	–	–	–					
32	2.75	6.62	12.87	31.02	52.22	60.35	89.07	117.40	173.27	228.39	337.07	444.28	526.58	400.58	317.89	260.19	0.00	–	–	–	–	–	–	–					
35	3.00	7.24	14.08	33.93	57.11	66.01	97.42	128.41	189.52	249.80	368.67	485.93	602.34	458.22	363.62	142.51	0.00	–	–	–	–	–	–	–					
TYPE A					TYPE B								TYPE C																

200		2-1/2" Pitch Single Strand Roller Chain No. 200 – 2001														HORSEPOWER RATINGS													
No. Teeth	Small Sprocket RPM																												
	2	5	10	25	40	50	75	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800					
11	1.25	3.02	5.88	14.16	22.23	27.54	40.65	53.58	79.08	104.24	129.14	153.84	161.36	115.46	87.83	69.70	57.05	47.81	40.82	35.38	31.05	24.84	20.17	0.00					
12	1.37	3.29	6.41	15.45	24.25	30.05	44.35	58.45	86.27	113.71	140.88	167.82	183.86	131.56	100.08	79.42	65.00	54.48	46.51	40.32	35.38	28.08	22.98	0.00					
13	1.48	3.57	6.94	16.73	26.28	32.55	48.04	63.33	93.46	123.19	152.62	181.81	207.31	148.34	112.85	89.55	73.30	61.43	52.45	45.46	39.90	31.66	0.00	–					
14	1.59	3.84	7.48	18.02	28.30	35.06	51.74	68.20	100.65	132.66	164.36	195.79	231.69	165.78	126.11	100.08	81.91	68.65	58.61	50.80	44.59	35.38	0.00	–					
15	1.71	4.12	8.01	19.31	30.32	37.56	55.43	73.07	107.84	142.14	176.09	209.78	256.95	183.86	139.87	110.99	90.85	76.13	65.00	56.34	49.45	37.46	0.00	–					
16	1.82	4.39	8.55	20.60	32.34	40.06	59.13	77.94	115.03	151.61	187.83	223.76	283.07	202.55	154.08	122.27	100.08	83.87	71.61	62.07	54.48	0.00	–	–					
17	1.94	4.67	9.08	21.88	34.36	42.57	62.83	82.81	122.22	161.09	199.57	237.75	310.02	221.83	168.75	133.91	109.61	91.86	78.43	67.98	59.66	0.00	–	–					
18	2.05	4.94	9.61	23.17	36.38	45.07	66.52	87.68	129.41	170.57	211.31	251.73	331.81	241.69	183.86	145.90	119.42	100.08	85.45	74.07	65.00	–	–	–					
19	2.16	5.22	10.15	24.46	38.40	47.58	70.22	92.55	136.59	180.04	223.05	265.72	350.24	262.11	199.39	158.23	129.51	108.53	92.67	80.32	2.22	–	–	–					
20	2.28	5.49	10.68	25.74	40.42	50.08	73.91	97.42	143.78	189.52	234.79	279.70	368.67	283.07	215.34	170.88	139.87	117.21	100.08	86.75	0.00	–	–	–					
21	2.39	5.77	11.22	27.03	42.45	52.59	77.61	102.29	150.97	198.99	246.53	293.69	387.11	304.56	231.69	183.86	150.49	126.11	107.68	32.68	0.00	–	–	–					
22	2.51	6.04	11.75	28.32	44.47	55.09	81.30	107.17	158.16	208.47	258.27	307.68	405.54	326.57	248.43	197.15	161.36	135.23	115.46	0.00	–	–	–	–					
23	2.62	6.31	12.28	29.61	46.49	57.59	85.00	112.04	165.35	217.95	270.01	321.66	423.97	349.09	265.56	210.74	172.49	144.55	104.48	0.00	–	–	–	–					
24	2.73	6.59	12.82	30.89	48.51	60.10	88.70	116.91	172.54	227.42	281.75	335.65	442.41	372.10	283.07	224.63	183.86	154.08	21.71	0.00	–	–	–	–					
25	2.85	6.86	13.35	32.18	50.53	62.60	92.39	121.78	179.73	236.90	293.49	349.63	460.84	395.60	300.94	238.82	195.47	163.81	0.00	–	–	–	–	–					
26	2.96	7.14	13.89	33.47	52.55	65.11	96.09	126.65	186.92	246.37	305.23	363.62	479.27	419.57	319.18	253.29	207.31	151.14	0.00	–	–	–	–	–					
TYPE A					TYPE B								TYPE C																

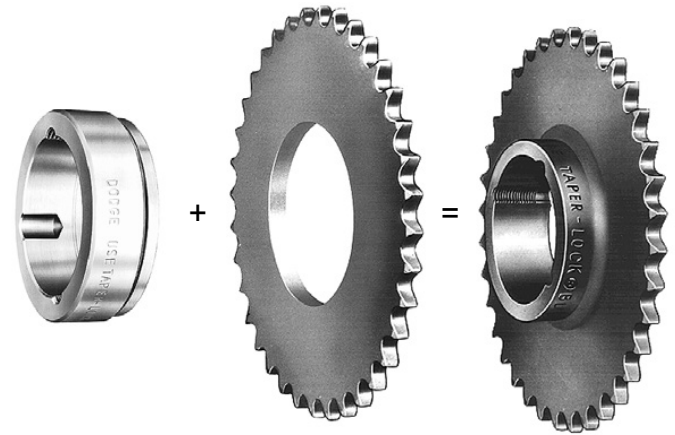
240		3" Pitch Single Strand Roller Chain No. 240 – 2001														HORSEPOWER RATINGS													
No. Teeth	Small Sprocket RPM																												
	2	5	10	25	36	50	75	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500					
11	2.02	4.86	9.46	22.81	32.36	44.36	65.47	86.30	127.37	167.88	207.99	247.77	186.70	133.59	101.63	80.65	66.01	55.32	47.23	40.94	35.93	31.87	28.51	0.00					
12	2.20	5.31	10.32	24.88	35.31	48.40	71.43	94.15	138.95	183.14	226.89	270.30	212.73	152.22	115.80	91.89	75.21	63.03	53.82	46.65	40.94	36.31	2.11	0.00					
13	2.39	5.75	11.18	26.95	38.25	52.43	77.38	101.99	150.53	198.41	245.80	292.82	239.87	171.64	130.57	103.61	84.81	71.07	60.68	52.60	46.16	38.13	0.00	–					
14	2.57	6.19	12.04	29.02	41.19	56.46	83.33	109.84	162.11	213.67	264.71	315.34	268.07	191.82	145.92	115.80	94.78	79.43	67.82	58.78	51.59	0.00	–	–					
15	2.75	6.63	12.90	31.10	44.13	60.50	89.28	117.68	173.68	228.93	283.62	337.87	297.30	212.73	161.83	128.42	105.11	88.09	75.21	65.19	0.00	–	–	–					
16	2.94	7.08	13.76	33.17	47.08	64.53	95.24	125.53	185.26	244.19	302.53	360.39	327.52	234.35	178.28	141.47	115.80	97.04	82.86	71.82	0.00	–	–	–					
17	3.12	7.52	14.62	35.24	50.02	68.56	101.19	133.37	196.84	2																			

Engineering/Technical

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

Hub No. ◇	Part No.	For Use With Bush. +	Bushings 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 and 13 for hub dimensions

REBORE TOLERANCES

Δ +.004 + .001

+ +.010 + .004

Engineering/Technical

Sprocket Pitch Diameters

	No. Teeth	Chain Number													
		25	35	41	40	50	60	80	100	120	140	160	180	200	240
Reference Guide	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
Synchronous Products	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
V-Belt Products	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
Roller Chain Sprockets	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	7.768	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
Bushing Products	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	48.732
	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	8.917	11.147	13.376	17.835	22.294	26.753	31.211	35.670	40.128	44.587	53.504
Accessories Products	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
	58	-	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	89.137	106.966	

Engineering/Technical

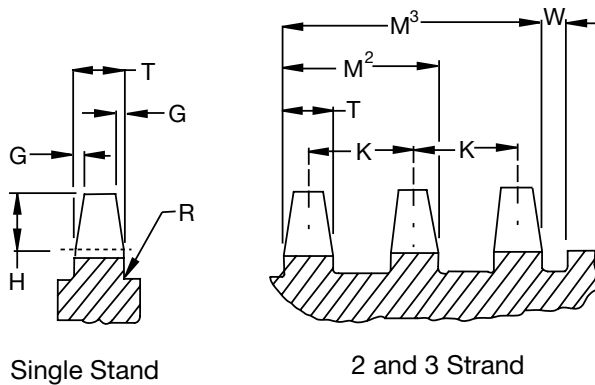
Sprocket Diameters, Chain Data

Ref. For Single and Multiple Chain										Nominal Tooth Thickness (T)		Tolerance on "T"		
Chain No.	Pitch	Roller Dia.	Roller Width	G	H	K	M ²	M ³	R Max.	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	+0.000-.008	+0.000-.027	3/16
41	1/2	.306	1/4	1/16	1/4	—	—	—	.020	.227	—	+0.000-.009	+0.000-.032	7/32
40	1/2	.312	5/16	1/16	1/4	.566	.841	1.407	.020	.284	.275	+0.000-.009	+0.000-.035	1/4
50	5/8	.400	3/8	5/64	5/16	.713	1.045	1.758	.025	.343	.332	+0.000-.010	+0.000-.036	9/32
60	3/4	.469	1/2	3/32	3/8	.897	1.341	2.238	.030	.459	.444	+0.000-.011	+0.000-.036	11/32
80	1	.625	5/8	1/8	1/2	1.153	1.710	2.863	.040	.575	.557	+0.000-.012	+0.000-.040	7/16
100	1-1/4	.750	3/4	5/32	5/8	1.408	2.077	3.485	.050	.692	.669	+0.000-.014	+0.000-.046	17/32
120	1-1/2	.875	1	3/16	3/4	1.789	2.683	4.472	.060	.924	.894	+0.000-.016	+0.000-.057	21/32
140	1-3/4	1.000	1	7/32	7/8	1.924	2.818	4.742	.070	.924	.894	+0.000-.016	+0.000-.057	3/4
160	2	1.125	1-1/4	1/4	1	2.305	3.424	5.729	.080	1.156	1.119	+0.000-.019	+0.000-.062	7/8

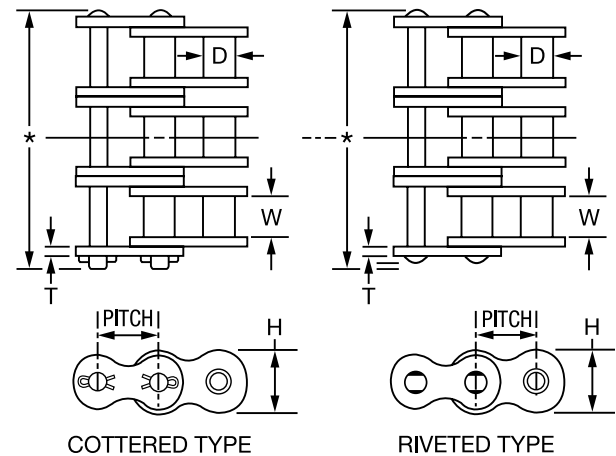
* Represents Type B or C hub type sprocket.

† Represents an "A" plate sprocket or a welded sprocket using an "A" plate.

Sprockets



Roller Chain



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

Roller Chain Installation

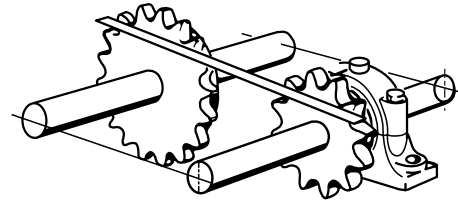
Shaft Alignment – Shafts must be parallel. The use of a spirit level is recommended to make sure shafts are horizontal; then, if the distance between the shafts are equal on both sides of the drive, the shafts are parallel. Shafts, bearings and supporting structure should be suitable to maintain this 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 between 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.

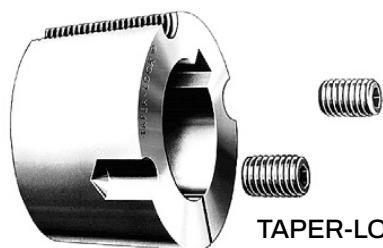
Type C – Oil Stream Lubrication – The lubricant is usually supplied by a circulating pump capable of supplying each chain drive with a continuous stream of oil. The oil should be applied inside the chain loop evenly across the chain width, and directed at the lower strand.

Bushing Products

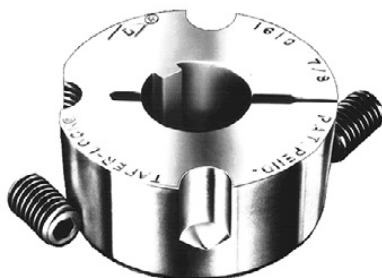
PT6-2	Taper-Lock
PT6-2	Taper-Lock Features/Benefits
PT6-3	Taper-Lock Bushings
PT6-13	Taper-Lock Weld-on hubs
PT6-16	QD
PT6-16	QD Features/Benefits
PT6-17	QD Bushings
PT6-27	QD Weld-on hubs
PT6-28	Split Taper

Features/Benefits

TAPER-LOCK Bushings



TAPER-LOCK Keyway-type Bushing



TAPER-LOCK Integral Key Bushing

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 dodge.ptplace.com

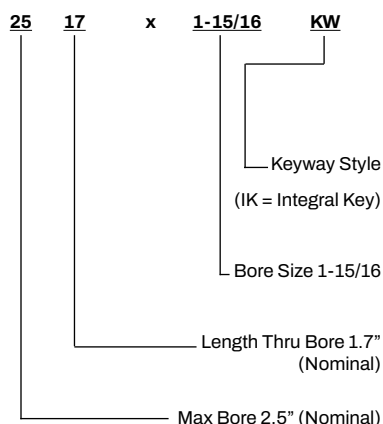
- Clean, Compact Design
- An Industry Standard for over 40 years
- Easy-on, Easy-off
- 8° Taper-Grips Tight, Holds Tight, Runs True, No Wobble
- Total System Concept: Bushings, Hubs, Adapters and Products
- World-Wide Acceptance and Availability
- Flushing Mounting-No Protruding Parts
- Diamond D Integral Key for Added Value and Convenience

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.

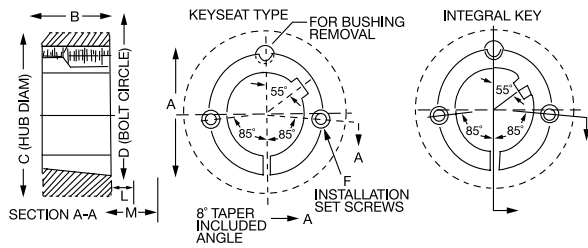
Example Nomenclature

TAPER-LOCK Bushing



Specification

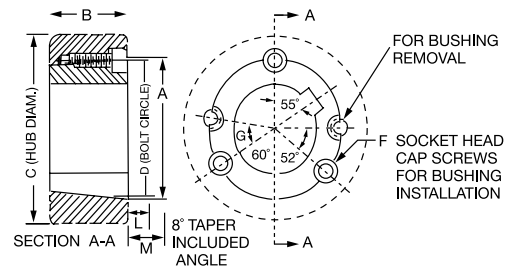
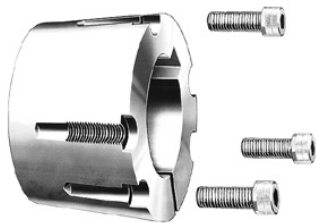
TAPER-LOCK Bushings - Dimensions



Dimensions For 1008 Thru 3030 TAPER-LOCK Bushings

Bush No.	Ratings (LB-IN)		C Hub Dia ■					F †		L •		M ☼	
	Torque Capacity ♦	Wrench Torque Install Screws	A	B	CL 30	Steel	D	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

	Ratings (LB-IN)				C Hub Dia ■			F †			L ●		M ☼	
Bush No.	Torque Capacity ♦	Wrench Torque Install Screws	A	B	CL 30	Steel	D	Qty	Size	G	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

*These sizes not compatible with BSW hardware.

Note: Installation and maintenance instructions for Dodge products available at dodge.ptplace.com

Specification

TAPER-LOCK Bushings - Dimensions

Reference Guide

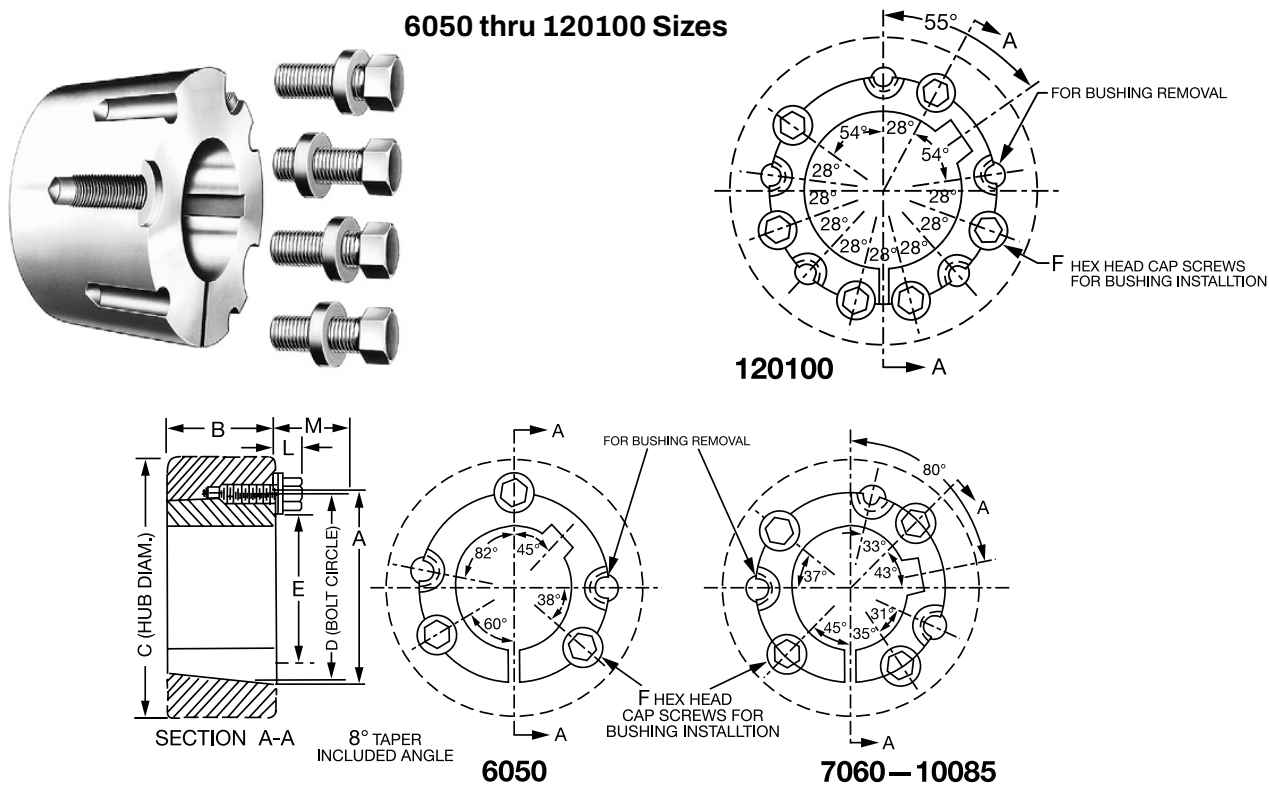
Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products



Dimensions For 6050 Thru 120100 TAPER-LOCK Bushings

Bush No.	Ratings (LB-IN)		C Hub Dia						F			
	Torque Capacity ♦	Wrench Torque Install Screws	A	B	CL 30	Steel	D	E	Qty	Size	L	M
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 and Steady Running
1.50	Light Starting and Uneven Running
2.00	Fairly Heavy Starting and Steady Or Uneven Running
2.50	Light or Heavy Starting and Moderate Shock Running
3.00	Light or Heavy Starting and 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
1008	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			
	11/16"		119179	0.2			
	3/4"	119180	117150	0.2	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	13/16"		119181	0.2			
	7/8"	119182	117074	0.2			
	15/16" #		119183	0.2			
	1" #	119184	117151	0.2	1/4 x 1/16	1/4 x 1/8	1/4 x 3/16 Δ
	14 mm		119565	0.3			
	16 mm		119566	0.3			
	18 mm		119575	0.3			
	19 mm		119569	0.3	6 x 2.8 mm	6 x 3.5 mm	6 x 6 mm
	20 mm		119576	0.3			
	22 mm		119577	0.2			
	24 mm		119567	0.2			
	25 mm		119578	0.2	8 x 1.3 mm	8 x 4 mm	8 X 5 mm Δ
1108	1/2"		119365	0.3			
	9/16"		119366	0.3	1/8 x 1/4	1/8 x 1/4	1/8 x 1/8
	5/8"	119367	117075	0.3			
	11/16"		119368	0.2			
	3/4"		117152	0.2	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	13/16"		119370	0.2			
	7/8"	119371	117076	0.2			
	15/16"		119372	0.2			
	1"		117153	0.2	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1-1/16" #		119374	0.2			
	1-1/8" #		117077	0.1	1/4 x 1/16	1/4 x 1/8	1/4 x 3/16 Δ
	14 mm		119651	0.3			
	16 mm		119652	0.3			
	18 mm		119653	0.3			
	19 mm		119570	0.3	6 x 2.8 mm	6 x 3.5 mm	6 x 6 mm
	20 mm		119579	0.3			
	22 mm		119580	0.3			
	24 mm		119581	0.2			
	25 mm		119582	0.2	8 X 3.3 mm	8 X 4 mm	8 X 7 mm
1210	1/2"		119191	0.6			
	9/16"		119192	0.6	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	5/8"		117078	0.6			
	11/16"		119194	0.5			
	3/4"	119195	117154	0.5	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	13/16"		119196	0.5			
	7/8"	119197	117079	0.5			
	15/16"		119198	0.5			
	1"	119199	117155	0.5			
	1-1/16"		119200	0.4	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1-1/8"	119201	117080	0.4			
	1-3/16"		117156	0.4			
	1-1/4"		117157	0.4			
	14 mm		119583	0.6	5 x 2.3 mm	5 x 5.3 mm	5 x 5 mm
	16 mm		119654	0.6			
	18 mm		119584	0.5			
	19 mm		119571	0.5	6 x 2.8 mm	6 x 3.5 mm	6 x 6 mm
	20 mm		119585	0.5			
	22 mm		119655	0.5			
	24 mm		119586	0.5			
	25 mm		119587	0.4	8 X 3.3 mm	8 X 4 mm	8 X 7 mm
	28 mm		119588	0.4			
	30 mm		119589	0.4			
	32 mm		119590	0.4	10 X 3.3 mm	10 X 5 mm	10 X 8 mm

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

TL Bush Size	Bore	P/N Integral Key	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
1215	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			
	11/16"		119004	0.8			
	3/4"		119005	0.8	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	13/16"		119006	0.8			
	7/8"		119007	0.8			
	15/16"		119008	0.8			
	1"		119009	0.7			
	1-1/16"		119010	0.6	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	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			
	11/16"		119393	0.7			
	3/4"		119394	0.7	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	13/16"		119395	0.7			
	7/8"		119396	0.7			
	15/16"		119397	0.6			
1310	1"		119398	0.6	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1-1/16"		119399	0.6			
	1-1/8"		119400	0.6			
	1-3/16"		119401	0.6			
	1-1/4"		119402	0.6	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-5/16" #		119403	0.6			
	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
	14 mm		119656	0.7			
	16 mm		119657	0.7	5 x 2.3 mm	5 x 5.3 mm	5 x 5 mm
	18 mm		119658	0.7			
	19 mm		119572	0.7			
	20 mm		119659	0.6	6 x 2.8 mm	6 x 3.5 mm	6 x 6 mm
	22 mm		119660	0.6			
	24 mm		119591	0.6			
	25 mm		119592	0.5	8 X 3.3 mm	8 X 4 mm	8 X 7 mm
	28 mm		119593	0.5			
	30 mm		119594	0.5			
	32 mm		119595	0.4	10 X 3.3 mm	10 X 5 mm	10 X 8 mm
	35 mm		119596	0.4			
1610	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			
	11/16"		119214	0.9			
	3/4"	119215	117158	0.9	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	13/16"		119216	0.9			
	7/8"	119217	117082	0.8			
	15/16"		117083	0.8			
	1"	119219	117159	0.8			
	1-1/16"		119220	0.8	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	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			
	1-5/8" #	119229	117086	0.5	3/8 x 1/8	3/8 x 3/16	3/8 x 5/16 Δ
	1-11/16" +		117071	0.5			
	14 mm		119661	0.9	5 x 2.3 mm	5 x 5.3 mm	5 x 5 mm
	16 mm		119662	0.9			

Specification

TAPER-LOCK Bushings - Stock Bore

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

TL Bush Size	Bore	P/N Integral Key	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
1610 (cont)	18 mm		119663	0.9	6 x 2.8 mm	6 x 3.5 mm	6 x 6 mm
	19 mm		119573	0.8			
	20 mm		119598	0.8			
	22 mm		119236	0.8			
	24 mm		119599	0.8	8 X 3.3 mm	8 X 4 mm	8 X 7 mm
	25 mm		119600	0.7			
	28 mm		119601	0.7			
	30 mm		119602	0.7			
	32 mm		119603	0.6	10 X 3.3 mm	10 X 5 mm	10 X 8 mm
	35 mm		119604	0.6			
	38 mm		119605	0.5			
	40 mm		119606	0.5			
	42 mm +		393002	0.5	12 X 3.3 mm	12 X 5 mm	12 X 8 mm
	1/2"		119040	1.3			
1615	9/16"		119041	1.3	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	5/8"		119042	1.3			
	11/16"		119043	1.2			
	3/4"		119044	1.2	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	13/16"		119045	1.2			
	7/8"		119046	1.1			
	15/16"		119047	1.1			
	1"		119048	1.1	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1-1/16"		119049	1			
	1-1/8"		119050	1			
	1-3/16"		119051	1			
	1-1/4"		119052	0.9	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-5/16"		119053	0.8			
	1-3/8"		119054	0.8			
2012	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			
	1-5/8" #		119058	0.6	3/8 x 1/8	3/8 x 3/16	3/8 x 5/16 Δ
	1-11/16" +		119068	0.6			
	25 mm		119039	0.7	8 X 3.3 mm	8 X 4 mm	8 X 7 mm
	35 mm		119038	0.7			
	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			
	11/16"		119244	1.7	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	3/4"		117088	1.7			
	13/16"		119246	1.7			
	7/8"		117089	1.6			
2012	15/16"		119248	1.6	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1"	119249	117164	1.6			
	1-1/16"		119250	1.6			
	1-1/8"		117090	1.5			
	1-3/16"	119252	117165	1.5	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-1/4"	119253	117166	1.4			
	1-5/16"		119254	1.3			
	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	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-3/4"		117094	1			
	1-13/16"		119262	1			
	1-7/8"		117095	0.9			

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

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			
	14 mm		119664	1.7	5 x 2.3 mm	5 x 5.3 mm	5 x 5 mm
	16 mm		119665	1.7			
	18 mm		119666	1.6			
	19 mm		119574	1.6			
	20 mm		119607	1.6	6 x 2.8 mm	6 x 3.5 mm	6 x 6 mm
	22 mm		119667	1.6			
	24 mm		119608	1.5			
	25 mm		119609	1.5			
	28 mm		119610	1.5	8 X 3.3 mm	8 X 4 mm	8 X 7 mm
	30 mm		119611	1.4			
	32 mm		119612	1.4			
	35 mm		119613	1.3			
2517	38 mm		119614	1.3	10 X 3.3 mm	10 X 5 mm	10 X 8 mm
	40 mm		119615	1.2			
	42 mm		119616	1.1			
	45 mm		119617	1			
	48 mm		119668	0.9	12 X 3.3 mm	12 X 5 mm	12 X 8 mm
	1/2"		119100	3.7			
	5/8"		119102	3.6			
	11/16"		119103	3.5			
	3/4"		119104	3.4	14 X 3.8 mm	14 X 5.5 mm	14 X 9 mm
	13/16"		119105	3.4			
	7/8"		119106	3.3			
	15/16"		119107	3.3			
	1"		119108	3.3	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8
	1-1/16"		119109	3.2			
	1-1/8"		119110	3.2			
2517	1-3/16"		119111	3.2	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1-1/4"		119112	3.2			
	1-5/16"		119113	3.1			
	1-3/8"		119114	3.1	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-7/16"		119115	3			
	1-1/2"		119116	2.9			
	1-9/16"		119117	2.9			
	1-5/8"	119144	119118	2.8	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-11/16"		119119	2.8			
	1-3/4"		119120	2.7			
	1-13/16"		119121	2.6			
	1-7/8"		119122	2.5	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-15/16"	119123	117173	2.4			
	2"	119124	117174	2.3			
	2-1/16"		119125	2.3			
2517	2-1/8"		117096	2.2	5/8 x 3/16	5/8 x 5/16	5/8 x 1/2 Δ
	2-3/16"		117175	2.1			
	2-1/4"		117097	2			
	2-5/16"		119129	1.9			
	2-3/8"		117098	1.9	8 X 3.3 mm	8 X 4 mm	8 X 7 mm
	2-7/16" #		117176	1.8			
	2-1/2" #		117099	1.8			
	2-5/8" +		117111	1.8			
	2-11/16" +		117115	1.8			
	14 mm		119669	3.6	5 x 2.3 mm	5 x 5.3 mm	5 x 5 mm
	16 mm		119670	3.6			
	18 mm		119671	3.5			
	19 mm		119672	3.4			
	20 mm		119618	3.4	6 x 2.8 mm	6 x 3.5 mm	6 x 6 mm
	22 mm		119619	3.3			
	24 mm		119620	3.3			
	25 mm		119621	3.2			
	28 mm		119622	3.1	8 X 3.3 mm	8 X 4 mm	8 X 7 mm
	30 mm		119623	3.1			

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
2517 (cont)	32 mm		119624	3	10 X 3.3 mm	10 X 5 mm	10 X 8 mm
	35 mm		119625	2.9			
	38 mm		119626	2.9			
	40 mm		119627	2.8	12 X 3.3 mm	12 X 5 mm	12 X 8 mm
	42 mm		119628	2.6			
	45 mm		119629	2.5	14 X 3.8 mm	14 X 5.5 mm	14 X 9 mm
	48 mm		119630	2.4			
	50 mm		119640	2.3			
	55 mm		119641	2	16 X 4.3 mm	16 X 6 mm	16 X 10 mm
	60 mm		119642	1.7	18 X 4.4 mm	18 X 7 mm	18 X 11 mm
	65 mm		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"	119308	4.8				
	1-1/8"	119310	4.6	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4	
	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				
	1-1/2"	119316	4	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8	
	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	5/8 x 3/16	5/8 x 5/16	5/8 x 1/2 Δ	
	2-3/16"	119327	2.5				
	2-1/4"	119328	2.3				
	2-5/16"	119329	2				
2-3/8"	119330	2					
2-7/16"	119331	2					
2-1/2"	119332	2	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16		
7/8"	117103	6.5					
15/16"	117101	6.5					
1"	117102	6.5					
1-1/8"	117104	6.4	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4		
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					
1-1/2"	117110	5.9					
3020	1-9/16"	117135	5.9	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8	
	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	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2	
2-1/4"	117122	4.8					
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							

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	3/4 x 1/8	3/4 x 3/8	3/4 x 1/2 Δ
	2-11/16"	117129	3.9			
	2-3/4"	117130	3.7			
	2-13/16"	117139	3.7			
	2-7/8"	117132	3.6			
	2-15/16" #	117133	3.6			
3030	3" #	117134	3.4	3/4 x 1/4	3/4 x 3/8	3/4 x 5/8 Δ
	3-1/8" +	117178	3.3			
	3-3/16" +	117179	3.3			
	3-1/4" +	117180	3.3			
	24 mm	119673	6.5	8 X 3.3 mm	8 X 4 mm	8 X 7 mm
	25 mm	119674	6.5			
	28 mm	119675	6.4			
	30 mm	119676	6.4			
	32 mm	119677	6.3	10 X 3.3 mm	10 X 5 mm	10 X 8 mm
	35 mm	119678	6			
3030	38 mm	119679	5.9			
	40 mm	119680	5.9	12 X 3.3 mm	12 X 5 mm	12 X 8 mm
	42 mm	119681	5.8			
	45 mm	119682	5.6			
	48 mm	119644	5.5	14 X 3.8 mm	14 X 5.5 mm	14 X 9 mm
	50 mm	119645	5.2			
	55 mm	119646	5			
	60 mm	119647	4.9			
	65 mm	119648	4.3	18 X 4.4 mm	18 X 7 mm	18 X 11 mm
	70 mm	119649	3.7			
3030	75 mm	119650	3.5			
	80 mm +	117721	4	22 X 5.4 mm	22 X 9 mm	22 X 14 mm
	15/16"	117004	10			
	1"	117005	9.4			
	1-1/8"	117007	9.4	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1-3/16"	117008	9.2			
	1-1/4"	117009	9			
	1-5/16"	117010	8.9			
	1-3/8"	117011	8.8	5/16 x 5/32	5/16 x 5/32	5/16 x 5/16
	1-7/16"	117012	8.6			
3030	1-1/2"	117013	8.5			
	1-9/16"	117014	8.4	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-5/8"	117015	8.2			
	1-11/16"	117016	8			
	1-3/4"	117017	7.8	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	1-13/16"	117018	7.6			
	1-7/8"	117019	7.5			
	1-15/16"	117020	7.4			
	2"	117021	7.3			
	2-1/16"	117022	7.2	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
3030	2-1/8"	117023	7.1			
	2-3/16"	117024	6.9			
	2-1/4"	117025	6.7			
	2-5/16"	117026	6.6			
	2-3/8"	117027	6.4	3/4 x 1/8	3/4 x 3/8	3/4 x 1/2 Δ
	2-7/16"	117028	6.2			
	2-1/2"	117029	6.1			
	2-5/8"	117031	6			
	2-11/16"	117032	5.9	3/4 x 1/4	3/4 x 3/8	3/4 x 5/8 Δ
	2-3/4"	117033	5.6			
3030	2-7/8"	117035	5.3			
	2-15/16" #	117036	5			
	3" #	117037	4.9	8 X 3.3 mm	8 X 4 mm	8 X 7 mm
	3-1/8" +	117181	4.7			
	3-3/16" +	117182	4.7			
	3-1/4" +	117183	4.7			
	28 mm	119808	9.4	10 X 3.3 mm	10 X 5 mm	10 X 8 mm
	32 mm	119809	9			
	38 mm	119810	8.4			
	48 mm	119811	7.6			

Specification

TAPER-LOCK Bushings - Stock Bore

Reference Guide	TL Bush Size	Bore	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF		
	3030 (cont)	55 mm	119812	6.9	16 X 4.3 mm	16 X 6 mm	16 X 10 mm		
		60 mm	119813	6.4	18 X 4.4 mm	18 X 7 mm	18 X 11 mm		
		80 mm +	119895	4	22 X 5.4 mm	22 X 9 mm	22 X 14 mm		
Synchronous Products	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	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2		
		1-13/16"	119793	13.3					
		1-7/8"	119708	13.2					
1-15/16"		119709	13						
2"		119710	13						
2-1/8"		119711	12.6	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8			
2-3/16"		119712	12.4						
2-1/4"		119713	12.3						
2-5/16"		119736	12.2						
2-3/8"		119714	12						
V-Belt Products		3525	2-7/16"	119715	11.7	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8	
	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	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4		
	2-13/16"		119796	10.3					
	2-7/8"		119720	10.1					
	2-15/16"		119721	10.5					
	3"		119722	9.5					
	Roller Chain Sprockets		3525	3-1/16"	119797	9.4	7/8 x 1/8	7/8 x 7/16	7/8 x 9/16 Δ
				3-1/8"	119723	9.3			
3-3/16"		119724		8.6					
3-1/4"		119725		8.8					
3-5/16"		119737		8.6					
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					
Bushing Products		3525		3-11/16" #	119730	7.9	1 x 1/4	1 x 1/2	1 x 3/4 Δ
				3-3/4" #	119731	7.9			
	3-13/16" #		119799	7.9					
	3-7/8" #		119732	7.9					
	3-15/16" #		119733	7.9					
	Accessories Products		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			
				1-1/2"	117211	14.4	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
				1-5/8"	117212	14.1			
				1-11/16"	117213	14	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
1-3/4"		117214		14					
1-7/8"		117215		13.6					
1-15/16"		117216		13.4					
2"		117217		13.1					
2-1/8"		117218		12.6	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2		
2-3/16"	117219	12.4							
2-1/4"	117220	12.2							

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			
	3-3/8"	119754	14.6			
	3-7/16"	119755	14.1			
	3-1/2"	119756	13.4	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	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			
	3-15/16"	119760	12.6			
	4"	119761	12.6			
	4-1/8" #	119788	12.6	1 x 1/4	1 x 1/2	1 x 3/4 Δ
	4-3/16" #	119762	12.6			
	4-1/4" #	119763	12.6			
	4-3/8" #	119764	12.6			
	4-7/16" #	119765	11.8			
	1-7/16"	117310	24			
	1-1/2"	117311	22			
	1-5/8"	117312	22	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
4040	1-11/16"	117313	21.9			
	1-3/4"	117314	21.9			
	1-7/8"	117315	21			
	1-15/16"	117316	21.2			
	2"	117317	21.1	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	2-1/8"	117318	20.6			
	2-3/16"	117319	20.3			
	2-1/4"	117320	20.2			
	2-3/8"	117321	19.6			
	2-7/16"	117322	19.3			
	2-1/2"	117323	18.8	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-5/8"	117324	18.7			
	2-11/16"	117325	18.3			
	2-3/4"	117326	18.2			
	2-13/16"	117267	17.8			
	2-7/8"	117327	17.5			
	2-15/16"	117328	17.2			
	3"	117329	16.8	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	3-1/8"	117330	16.2			
	3-3/16"	117331	15.8			
	3-1/4"	117332	15.5			
	3-3/8"	117333	14.8			
	3-7/16"	117334	14.4	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	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			
	3-15/16"	117338	12.5			
	4"	117352	12			
	4-1/8" #	117714	11.2	1 x 1/4	1 x 1/2	1 x 3/4 Δ
	4-3/16" #	117715	10.7			
	4-1/4" #	117716	10.3			
	4-3/8" #	117717	9.5			
	4-7/16" #	117704	8.9			
	48 mm	119818	21	14 X 3.8 mm	14 X 5.5 mm	14 X 9 mm
	55 mm	119819	20.4	16 X 4.3 mm	16 X 6 mm	16 X 10 mm
	60 mm	119820	19.5	18 X 4.4 mm	18 X 7 mm	18 X 11 mm
	75 mm	117723	10	20 X 4.9 mm	20 X 7.5 mm	20 X 12 mm
	80 mm	117724	10	22 X 5.4 mm	22 X 9 mm	22 X 14 mm
	90 mm	117726	10			
	95 mm	117725	10	25 X 5.4 mm	25 X 9 mm	25 x 14 mm
	100 mm	117729	10	28 X 6.4 mm	28 X 10 mm	28 X 16 mm

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

TL Bush Size	Bore	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
4535	1-15/16"	114765	31			
	2"	114766	29.7			
	2-1/16"	114767	29.5	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	2-1/8"	114768	29.3			
	2-3/16"	114769	29			
	2-1/4"	114770	28.8			
	2-5/16"	114771	28.6			
	2-3/8"	114772	27.4			
	2-7/16"	114773	28			
	2-1/2"	114774	26.7	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	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			
	2-7/8"	114780	24.8			
	2-15/16"	114781	24.2			
	3"	114782	24.2	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	3-1/16"	114783	24.2			
	3-1/8"	114784	24.1			
4545	3-3/16"	114785	23.8			
	3-1/4"	114786	23.1			
	3-5/16"	114787	22.7			
	3-3/8"	114788	22.4			
	3-7/16"	114789	21.5			
	3-1/2"	114790	21.3	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	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			
	3-7/8"	114796	19.3			
	3-15/16"	114797	18.9			
	4"	114798	18.7	1 x 1/2	1 x 1/2	1 x 1
	4-1/8"	114799	18.6			
	4-3/16"	114800	18.5			
	4-1/4"	114801	17.8			
	4-3/8"	114802	16.8			
	4-7/16"	114803	15.4	1 x 1/4	1 x 1/2	1 x 3/4 Δ
	4-1/2"	114804	15.3			
4545	4-3/4" #	114805	15.2			
	4-7/8" #	114806	15.1	1-1/4 x 1/4	1-1/4 x 5/8	1-1/4 x 7/8 Δ
	4-15/16" #	114807	14.9			
	1-15/16"	117416	29.9			
	2"	117417	29.8	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	2-1/8"	117849	29.8			
	2-3/16"	117419	29			
	2-3/8"	117421	28.2			
	2-7/16"	117422	27.9			
	2-1/2"	117850	27.5	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-5/8"	117424	27			
	2-3/4"	117426	26.5			
	2-7/8"	117427	25.7			
	2-15/16"	117428	25.3			
	3"	117429	25.2	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	3-1/8"	117430	24.3			
	3-3/16"	117431	24.2			
	3-1/4"	117432	23.9			
	3-3/8"	117433	22.8			
	3-7/16"	117434	22.6			
	3-1/2"	117435	22.1	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-5/8"	117413	21.2			
	3-3/4"	117436	20.3			
	3-7/8"	117437	19.5			
	3-15/16"	117438	19			
	4"	117439	18.6	1 x 1/2	1 x 1/2	1 x 1
	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

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Specification

TAPER-LOCK Bushings - Stock Bore

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

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	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-13/16"	114871	36.5			
	2-7/8"	114872	36.4			
	2-15/16"	114873	36.2			
	3"	114874	35.6			
	3-1/16"	114875	35.2	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-1/8"	114876	34.8			
	3-3/16"	114877	33.9			
	3-1/4"	114878	33.2			
	3-5/16"	114879	33			
	3-3/8"	114880	32.7	1 x 1/2	1 x 1/2	1 x 1
	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	1-1/4 x 1/4	1-1/4 x 5/8	1-1/4 x 7/8 Δ
	3-3/4"	114886	29.7			
	3-13/16"	114887	29.4			
	3-7/8"	114888	29			
	3-15/16"	114889	28.7			
	4"	114890	27.8	1 x 1/2	1 x 1/2	1 x 1
	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	1-1/4 x 1/4	1-1/4 x 5/8	1-1/4 x 7/8 Δ
	4-1/2"	114896	23.6			
	4-3/4"	114897	22.9			
	4-7/8"	114898	22.2			
	4-15/16"	114899	20.6			
	5"	114900	20.5			

Δ Key furnished for these sizes ONLY

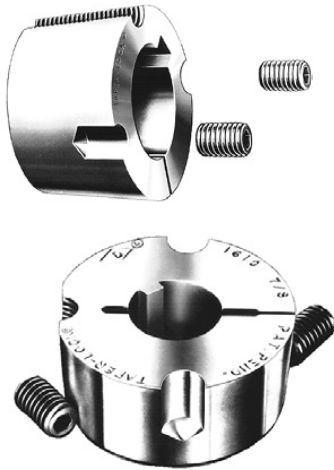
+ These sizes are STEEL

Refer to torque capacity ratings on page PT6-3. If service factor of 2.0 or greater is required consult Dodge

TL Bush Size	Bore	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
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			
	3-3/8"	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	1-1/4 x 1/4	1-1/4 x 5/8	1-1/4 x 7/8 Δ
	4-1/2"	117467	23.9			
	4-5/8"	117734	23			
	4-7/8"	117468	22.3	28 X 6.4 mm	28 X 10 mm	28 X 16 mm
	4-15/16"	117463	21.4			
	5"	117464	20.9			
6050	110 mm	117736	26.2			
	4-7/16"	117474	63.6	1 x 1/2	1 x 1/2	1 x 1
	4-15/16"	117473	58.2			
	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
7060	6"	117477	46.4			
	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			
	6"	117493	76.6	1-1/2 x 3/4	1-1/2 x 3/4	1-1/2 x 1-1/2
8065	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			
	5-7/16"	117479	98.6	1-1/2 x 3/4	1-1/2 x 3/4	1-1/2 x 1-1/2
10085	5-15/16"	117480	105.7			
	6-7/16"	117481	102.3			
	6-1/2"	117482	101.8	1-3/4 x 3/4	1-3/4 x 3/4	1-3/4 x 1-1/2
	6-15/16"	117488	92			
	7"	117483	91.1			
120100	7-1/2"	117503	89.9	2 x 3/4	2 x 3/4	2 x 1-1/2
	8" #	117484	89.9			
	7"	117486	245			
	8"	117485	219	2 x 3/4	2 x 3/4	2 x 1-1/2
	8-1/4"	117411	210			
120100	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
	8"	117522	410			
	8-1/2"	117523	395			
	9"	117520	380	2-1/2 x 7/8	2-1/2 x 7/8	2-1/2 x 1-3/4
120100	9-1/2"	117524	365			
	10"	117521	350			
	10-1/2"	117525	335	3 x 1	3 x 1	3 x 2
	11"	117526	320			
	11-1/2"	117527	305			
120100	12" #	117508	290			

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	Sintered Steel		Cast Iron		Ductile Iron		Steel		Stainless Steel	
Size	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	1/2"	396172	-	-	-	-	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	-	-	-	-	-	-

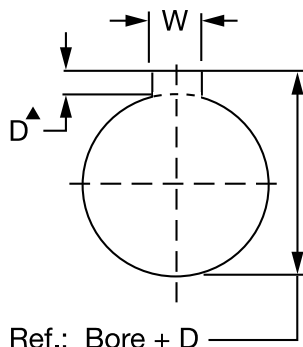
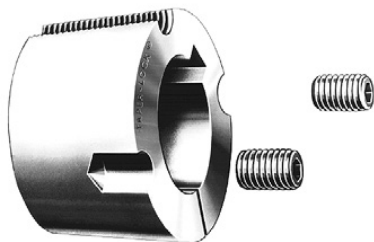
TAPER-LOCK Bushings - Maximum Bore Capacities (Inches)

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

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	75	75	76	-	-	-	80	80	82
3030	24	-	-	-	75	75	76	-	-	-	80	80	82
3525	31	-	-	-	90	90	90	95	95	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	115	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



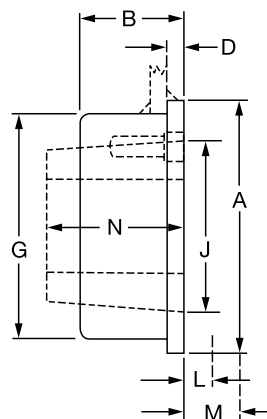
Dodge Weld-On hubs are made of 1015-1025 steel, drilled, tapped, and taper bored to receive TAPER-LOCK bushings. They are useful for welding into fan rotors, pulleys, plate sprockets, impellers, agitators, etc. which must be firmly mounted onto shafting. Four types of hubs are available from stock:

TYPE W/WA: Rugged, full length size for single-hub heavy-duty applications.

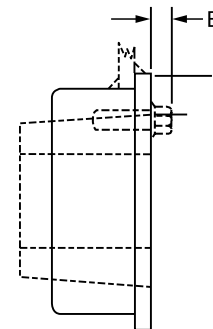
TYPE K: More compact design, especially useful for two-hub construction such as conveyor pulleys.

TYPE S: Originally designed for use in smaller sprockets using up to Taper-Lock size 3535 bushings. Suitable for many other lighter-duty applications.

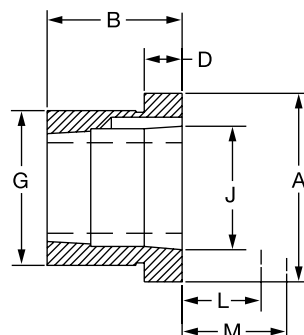
TYPE F: Features a larger flange diameter that can be welded into standard steel tubing to fabricate conveyor pulleys or process rolls.



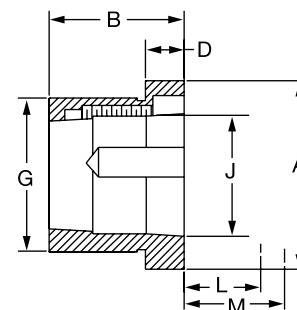
K25 to K50



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	*	+0.000/-0.002	
W16	228011	1615	1-11/16	1.3	3.25	1.50	0.63	-	2.875*	2.25	1.38	1.63	1.50	@	+0.000/-0.003	
W25	228012	2517	2-11/16	3.9	4.88	1.75	0.75	-	4.375*	3.38	1.63	2.25	1.75	~	+0.000/-0.004	
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	+	+0.001/-0.125	
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.

Specification

TAPER-LOCK Weld-On Hubs

Type S Weld-On Hubs

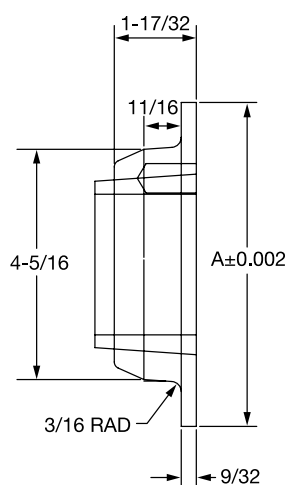
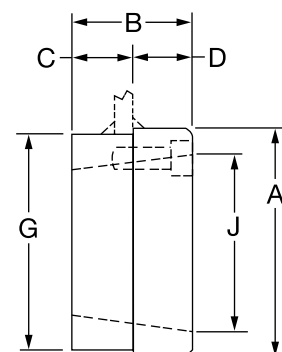
Hub No.	Part No.	Uses Bush.	Bore Range	Wt.	Dimensions						
					A	B	C	D	G	G Toler.	J Ref.
S16-4	097023	1610	1/2 to 1-11/16"	.90	3.00	1.00	0.275	.73	2.875	+0.000/-0.002	2.25
S16-6	097024	1610	1/2 to 1-11/16"	.90	3.00	1.00	0.45	.55	2.875	+0.000/-0.002	2.25
S20-6	097025	2012	1/2 to 2-1/8"	1.80	3.56	1.25	0.45	.80	3.438	+0.000/-0.002	2.75
S20-8	097015	2012	1/2 to 2-1/8"	1.40	3.56	1.25	0.57	.68	3.438	+0.000/-0.002	2.75
S25-6	097016	2517	1/2 to 2-11/16"	2.60	4.25	1.75	0.45	1.3	4.125	+0.000/-0.002	3.33
S25-8	097017	2517	1/2 to 2-11/16"	2.60	4.25	1.75	0.565	1.19	4.125	+0.000/-0.002	3.33
S25-10	097018	2517	1/2 to 2-11/16"	2.50	4.25	1.75	0.685	1.07	4.125	+0.000/-0.002	3.33
S25-16	097019	2517	1/2 to 2-11/16"	2.40	4.25	1.75	1.09	.66	4.125	+0.000/-0.002	3.33
S30-10	097020	3020	15/16 to 3-1/4"	4.30	5.25	2.00	0.675	1.33	5.125	+0.000/-0.002	4.25
S30-16	097021	3020	15/16 to 3-1/4"	4.20	5.25	2.00	1.09	.91	5.125	+0.000/-0.002	4.25
S35	097022	3535	1-3/16 to 3-15/16"	12.80	6.50	3.50	1.16	2.34	6.375	+0.000/-0.002	5.00

TAPER-LOCK Type F Weld-On Hubs

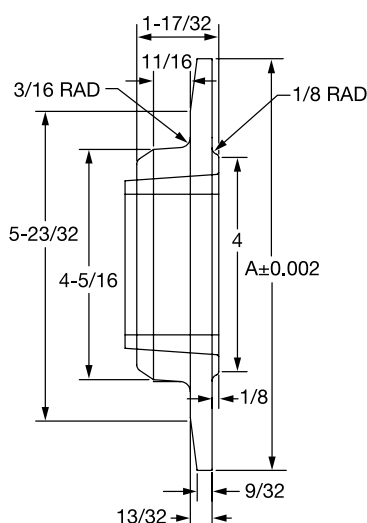
Hub No.	Part No.	Uses Bush.	Bore Range	Wt.	A
6F25P	226091	2517	1/2 to 2-11/16"	3.9	6.048
6F25A	226026	2517	1/2 to 2-11/16"	3.8	5.685
6F25B	226027	2517	1/2 to 2-11/16"	3.8	5.664
6F25C	226028	2517	1/2 to 2-11/16"	3.8	5.625
6F25D	226029	2517	1/2 to 2-11/16"	3.8	5.579
6F25E	226030	2517	1/2 to 2-11/16"	3.8	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



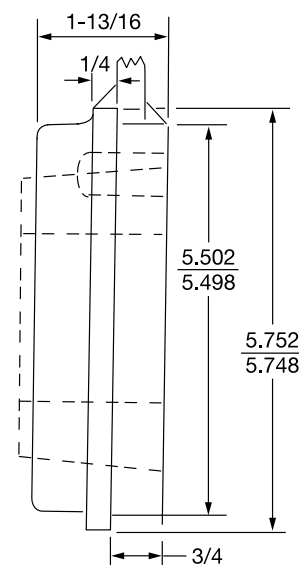
Type S



8F25



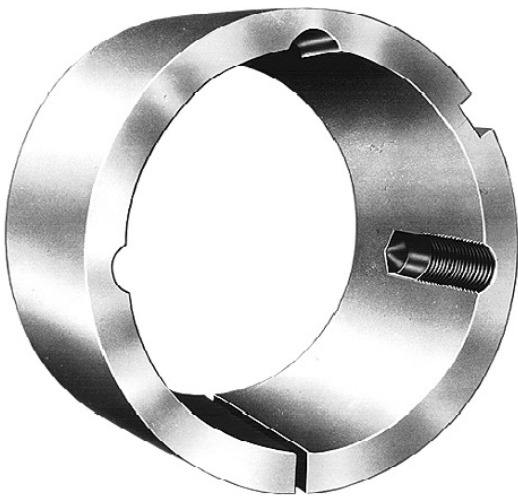
6F25



F30

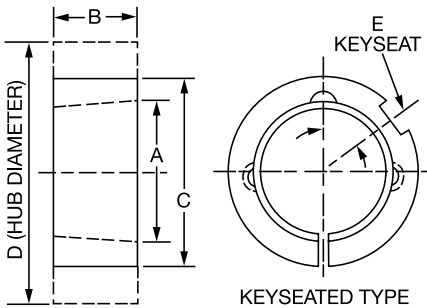
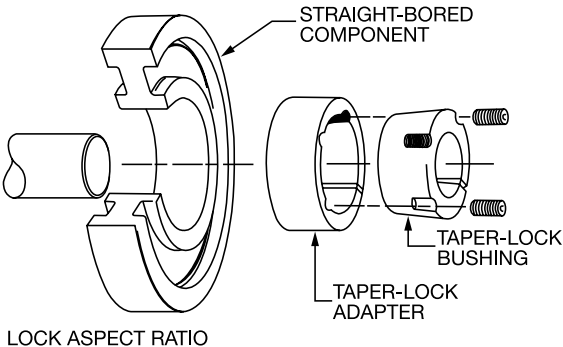
Specification

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

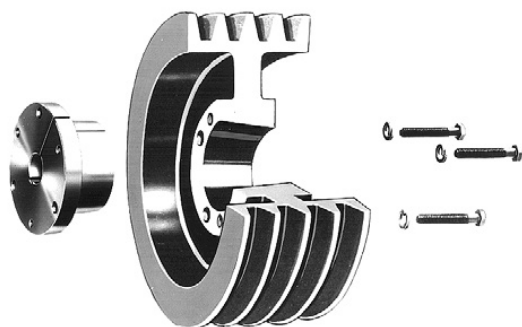
Adapter No.	Type	For Use With Bush. No.	Adapter Part No.	Adapter Wt.	A Ref.	B	C*	D: Req'd Hub Dia. †		E
								Class 30 Gray Iron	Steel	Keyseat
1215B	Keyseated	1215	120011	.7	1.88	1.50	2-3/8	3.38	3.25	1/4 x 1/8
1615B	Keyseated	1615	120012	.9	2.25	1.50	2-3/4	3.75	3.50	3/8 x 1/8
2517B	Keyseated	2517	120013	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.

Features/Benefits

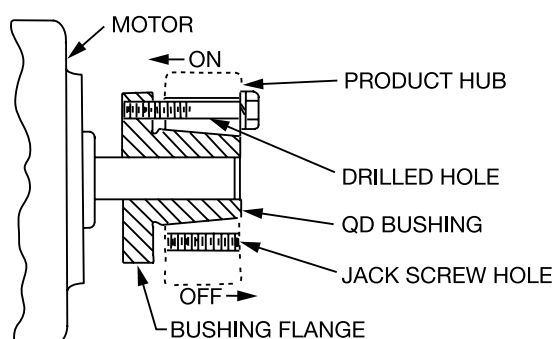
QD Bushings



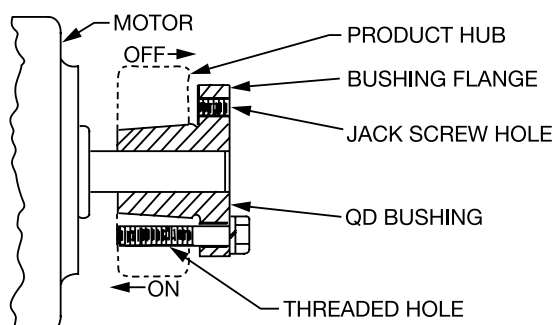
- Easy on/Easy off
- Manufactured precisely to industry standards
- Conventional or Reverse Mounting, including sizes M thru W - Dodge exclusive!
- QD is a registered trademark of Emerson Electric



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

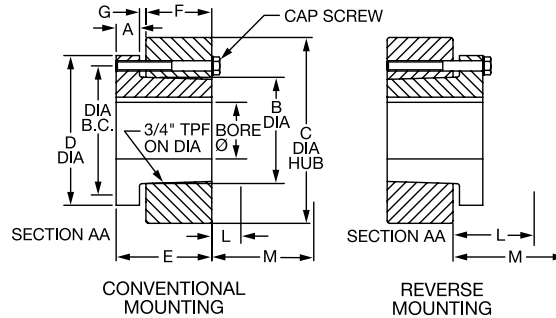
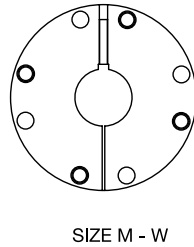
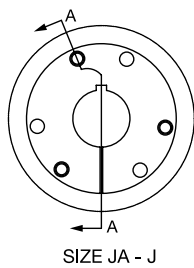
Easy Off

- 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 dodge.ptplace.com

Specification

QD Bushings - Dimensions



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				
H	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	-	0.88	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	-	1.13	5.14	9.00	8.00	7.25	4.63	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	
					#	@	#	@	#	@	#	@
H	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 -7x15	9000	3.75	-	16.50	-	-	-	-	-

Using Open-End Wrench
@ Using Socket Wrench

NOTE: Installation and maintenance instructions for Dodge products available at dodge.ptplace.com

Specification

Bushings For Bushed FHP Sheave - Stock Bore

	QD Bush Size	BORE	P/N Keyway	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF			
H		3/8"	121129	0.85	None	1/8 x 1/16	1/8 x 1/16	1/8 x 1/8		
		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						
		11/16"	121134	0.76	3/16 x 3/32				3/16 x 3/32	3/16 x 3/16
		3/4"	121162 +	0.74						
		3/4"	122051	0.74						
		13/16"	121136	0.70	7/8				7/8	7/8
		7/8"	121163 +	0.68						
		7/8"	122052	0.68						
		15/16"	121138	0.66	1"				1"	1"
		1"	121164 +	0.62						
		1"	122053	0.62						
		1-1/16"	121140	0.59	1/4 x 1/8				1/4 x 1/8	1/4 x 1/4
		1-1/8"	121186 +	0.56						
		1-1/8"	122054	0.56						
		1-3/16"	121187 +	0.52	3/8 x 1/16	3/8 x 3/16	3/8 x 1/4 *			
		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							
	20MM	121467	0.73	6 x 2.8MM	6 x 3.5MM	6 x 6MM				
	25MM	121151	0.63							
	28MM	151152	0.57	8 X 3.3MM	8 X 4MM	8 X 7MM				
	30MM	121153	0.53							
	32MM	121154	0.50	10 x 3.3MM	10 X 5MM	10 X 7MM				

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

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				
	11/16"	120335	0.43	3/16 x 3/32		3/16 x 3/32	3/16 x 3/16
	3/4"	120336	0.41				
	13/16"	120337	0.40				
	7/8"	120338	0.37	1/4 x 1/8		1/4 x 1/8	1/4 x 1/4
	15/16"	120339	0.35				
	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				
	11/16"	120348	1.14	3/16 x 3/32		3/16 x 3/32	3/16 x 3/16
	3/4"	120349	1.10				
	13/16"	120350	1.07				
	7/8"	120351	1.04	1/4 x 1/8		1/4 x 1/8	1/4 x 1/4
	15/16"	120352	1.00				
	1"	120353	0.98				
	1-1/16"	120354	0.94	5/16 x 5/32		5/16 x 5/32	5/16 x 5/16
	1-1/8"	120355	0.91				
	1-3/16"	120356	0.88				
	1-1/4"	120357	0.84	3/8 x 1/16		3/8 x 3/16	3/8 x 1/4 *
	1-5/16"	120358	0.82				
	1-3/8"	120359	0.80				
	1-7/16"	120360	0.79	8 X 3.3MM	8 X 4MM	8 X 7MM	
	1-1/2"	120361	0.75				
	1-9/16"	120362	0.90				
	1-5/8"	120363	0.64	10 X 3.3MM	10 X 5MM	10 X 8MM	
	1-11/16"	120580	0.55				
	24MM	120088	1.00				
25MM	120089	0.99	10 X 3.3MM	10 X 5MM	10 X 8MM		
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					

Specification

QD Bushings - Stock Bore

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
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			
	11/16"	120391	1.60			
	3/4"	120392	1.58	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	13/16"	120393	1.54			
	7/8"	120394	1.54			
	15/16"	120395	1.50			
	1"	120396	1.46			
	1-1/16"	120397	1.43	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	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			
SDS (cont)	1-7/16"	120403	1.19			
	1-1/2"	120404	1.15	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	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			
	1-7/8"	120410	0.92	1/2 x 1/16	1/2 x 1/4	1/2 x 5/16 *
	1-15/16"	120411	0.87			
	2"	120412	0.77	None		
	24MM	120094	1.47			
	25MM	120095	1.47	8 X 3.3MM	8 X 4MM	8 X 7MM
	28MM	120096	1.41			
	30MM	120097	1.36			
	32MM	120098	1.31			
	35MM	120099	1.22	10 X 3.3MM	10 X 5MM	10 X 8MM
	38MM	120100	1.00			
	40MM	120101	1.01	12 X 3.3MM	12 X 5MM	12 X 8MM
	42MM	120102	1.02			

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

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
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			
	11/16"	120367	2.00			
	3/4"	120368	2.00	3/16 x 3/32	3/16 x 3/32	3/16 x 3/16
	13/16"	120369	2.00			
	7/8"	120370	1.88			
	15/16"	120371	1.85			
	1"	120372	1.80			
	1-1/16"	120373	1.79	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	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			
SD	1-7/16"	120379	1.44			
	1-1/2"	120380	1.36			
	1-9/16"	120381	1.29	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	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			
	1-7/8"	120386	1.07	1/2 x 1/16	1/2 x 1/4	1/2 x 5/16 *
	1-15/16"	120387	1.00			
	2"	120581	0.84	None		
	24MM	120103	1.84			
	25MM	120104	1.82	8 X 3.3MM	8 X 4MM	8 X 7MM
	28MM	120105	1.72			
	30MM	120106	1.66			
	32MM	120107	1.58			
	35MM	120108	1.49	10 X 3.3MM	10 X 5MM	10 X 8MM
	38MM	120109	1.37			
	40MM	120110	1.28	12 X 3.3MM	12 X 5MM	12 X 8MM
	42MM	120111	1.18			

Specification

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			
	1-1/2"	120464	4.48			
	1-9/16"	120465	4.42			
	1-5/8"	120466	4.32			
	1-11/16"	120467	4.31	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-3/4"	120468	4.16			
	1-13/16"	120469	4.06			
	1-7/8"	120470	4.00			
	1-15/16"	120471	3.87			
	2"	120472	3.78			
	2-1/16"	120473	3.70	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	2-1/8"	120474	3.57			
	2-3/16"	120475	3.45			
	2-1/4"	120476	3.38			
SF (cont)	2-5/16"	120477	3.32			
	2-3/8"	120478	3.39			
	2-7/16"	120479	3.26	5/8 x 3/16	5/8 x 5/16	5/8 x 1/2 *
	2-1/2"	120592	3.16			
	2-5/8"	120482	2.91			
	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			
	2-15/16"	120487	2.22			
	28MM	120124	5.00			
	30MM	120125	4.90			
	32MM	120126	4.77			
	35MM	120127	4.61	10 X 3.3MM	10 X 5MM	10 X 8MM
	38MM	120128	4.48			
	40MM	120129	4.42			
	42MM	120130	4.32			
	45MM	120071	4.16			
	48MM	120131	4.00			
E	50MM	120132	3.87	14 X 3.8MM	14 X 5.5MM	14 X 9MM
	55MM	120133	3.57			
	60MM	120134	3.39			
	7/8"	120488	11.80			
	1"	120490	11.65			
	1-1/8"	120492	11.46			
	1-3/16"	120493	11.40	1/4 x 1/8	1/4 x 1/8	1/4 x 1/4
	1-1/4"	120494	11.33			
	1-5/16"	120495	11.26			
	1-3/8"	120496	11.20			
	1-7/16"	120497	11.13			
	1-1/2"	120498	10.86			
	1-9/16"	120499	10.82	3/8 x 3/16	3/8 x 3/16	3/8 x 3/8
	1-5/8"	120500	10.69			
	1-11/16"	120501	10.56			
	1-3/4"	120502	10.46			

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

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	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-1/4"	120510	9.42			
	2-5/16"	120511	9.07			
	2-3/8"	120512	8.95			
	2-7/16"	120513	8.77			
	2-1/2"	120514	8.72			
	2-5/8"	120516	8.37	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	2-11/16"	120517	8.05			
	2-3/4"	120518	7.90			
	2-13/16"	120519	7.70			
E (cont)	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 1/16	7/8 x 7/16	7/8 x 9/16 *
	3-3/8"	120528	6.21			
	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			
	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			
	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			
	65MM	120144	9.60			
	70MM	120145	7.87			
	75MM	120146	7.28			

Specification

QD Bushings - Stock Bore

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
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	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-1/8"	120549	15.95			
	2-3/16"	120550	15.95			
	2-1/4"	120551	15.95			
	2-5/16"	120552	15.95			
	2-3/8"	120553	15.50			
	2-7/16"	120554	15.50	7/8 x 7/16	7/8 x 7/16	7/8 x 5/8 *
	2-1/2"	120555	15.37			
	2-5/8"	120557	14.86			
	2-11/16"	120558	14.50			
	2-3/4"	120559	14.37			
F (cont)	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	7/8 x 3/16	7/8 x 7/16	7/8 x 5/8 *
	3-3/16"	120566	12.50			
	3-1/4"	120567	12.00			
	3-3/8"	120569	12.00			
	3-7/16"	120570	11.88			
	3-1/2"	120571	11.40			
	3-5/8"	120573	10.53	1 x 1/8	1 x 1/2	1 x 5/8 *
	3-11/16"	120574	14.00			
	3-3/4"	120575	9.89			
	3-7/8"	120577	9.26			
	3-15/16"	120578	9.23	None		
	4"	120579	7.96			
	45MM	120076	16.20			
	48MM	120147	16.00	14 X 3.8MM	14 X 5.5MM	14 X 9MM
	50MM	120148	15.80	18 X 4.4MM	18 X 7MM	18 X 11MM
	55MM	120149	15.80			
	60MM	120150	15.80			
	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			
	85MM	120155	10.60			
	90MM	120077	10.50	25 X 5.4MM	25 X 9MM	25 X 14MM

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

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
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			
	1-15/16"	120605	27.53	1/2 x 1/4	1/2 x 1/4	1/2 x 1/2
	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			
	2-7/16"	120611	25.52	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-1/2"	120612	25.05			
	2-5/8"	120613	24.50			
	2-11/16"	120614	24.18			
	2-3/4"	120615	23.86			
	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			
J (cont)	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	20 X 4.9MM	20 x 7.5MM	20 X 12MM
	4-3/8"	120635	14.00			
	4-7/16"	120636	13.49			
	4-1/2"	120637	12.67			
	50MM	120157	26.50			
	55MM	120158	25.60	22 X 5.4MM	22 X 9MM	22 X 14MM
	60MM	120159	25.82			
	65MM	120160	25.25			
	70MM	120161	24.04			
	75MM	120162	21.90	25 X 5.4MM	25 X 9MM	25 X 14MM
	80MM	120163	20.90			
	85MM	120164	20.52			
	90MM	120165	18.10			
	95MM	120166	16.80	28 X 6.4MM	28 X 10MM	28 X 16MM
	100MM	120167	16.50			

Specification

QD Bushings - Stock Bore

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
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			
	2-7/16"	119905	59.35	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-1/2"	119906	59.21			
	2-5/8"	119907	58.69			
	2-3/4"	119908	57.86			
	2-7/8"	119909	56.57			
	2-15/16"	119910	56.17			
	3"	119911	56.10	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	3-1/8"	119912	55.82			
	3-3/16"	119913	53.84			
	3-1/4"	119914	53.42			
	3-3/8"	119915	52.06			
	3-7/16"	119916	52.04	7/8 x 7/16	7/8 x 7/16	7/8 x 7/8
	3-1/2"	119917	51.12			
	3-5/8"	119918	50.08			
	3-11/16"	119919	49.00			
	3-3/4"	119920	48.47			
M (cont)	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	1 x 1/2	1 x 1/2	1 x 1
	4-3/8"	119927	41.46			
	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			
	4-15/16"	119933	36.13			
	5"	119934	35.66			
	5-1/8"	119899	35.00	1-1/4 x 1/4	1-1/4 x 5/8	1-1/4 x 7/8 *
	5-3/16"	119894	35.00			
	5-1/4"	119935	30.00			
	5-7/16"	119936	30.00			
	5-1/2"	119937	29.00			

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

QD Bush Size	Bore	P/N	WT.	Bushing Keyway	Shaft Keyway REF	Key Size REF
N	2-7/16"	119940	87.57	5/8 x 5/16	5/8 x 5/16	5/8 x 5/8
	2-15/16"	119941	83.00	3/4 x 3/8	3/4 x 3/8	3/4 x 3/4
	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			
	3-15/16"	119945	80.00			
	4"	119946	80.00	1 x 1/2	1 x 1/2	1 x 1
	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	1-1/4 x 5/8	1-1/4 x 5/8	1-1/4 x 1-1/4
	4-11/16"	119983	76.00			
	4-3/4"	119951	75.00			
	4-7/8"	119952	74.00			
	4-15/16"	119953	73.00			
	5"	119954	72.00	1-1/4 x 1/4	1-1/4 x 5/8	1-1/4 x 7/8 *
	5-1/8"	119955	71.00			
	5-3/16"	119986	70.50			
	5-1/4"	119956	70.00			
	5-7/16"	119957	52.19			
	5-1/2"	119958	49.02	1-1/2 x 1/8	1-1/2 x 3/4	1-1/2 x 7/8 *
	5-3/4"	119959	49.00			
5-7/8"	119960	44.00				
5-15/16"	119961	43.00				
6"	119962	42.00				
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			
	4-7/8"	119985	120.00	1-1/4 x 5/8	1-1/4 x 5/8	1-1/4 x 1-1/4
	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	1-1/2 x 1/4	1-1/2 x 3/4	1-1/2 x 1 *
	5-15/16"	119974	94.00			
	6"	119975	93.70			
	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			
	5"	120186	244.30			
	5-3/8"	120188	235.30	1-1/4 x 5/8	1-1/4 x 5/8	1-1/4 x 1-1/4
	5-1/2"	120189	232.20			
	5-3/4"	120190	225.70			
	5-7/8"	120191	222.30			
	5-15/16"	120192	220.00			
	6"	120193	218.90	1-1/2 x 3/4	1-1/2 x 3/4	1-1/2 x 1-1/2
	6-1/2"	120194	215.00			
	6-3/4"	120328	210.00			
	7"	120196	184.90			
	7-1/4"	120197	184.40			
	7-1/2"	120198	175.80	2 x 1/4	2 x 3/4	2 x 1 *
7-3/4"	120199	172.00				
8"	120200	159.70				
S	▼ Bushings size available please call Dodge for information					

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"	119875
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-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.

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"	8"	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

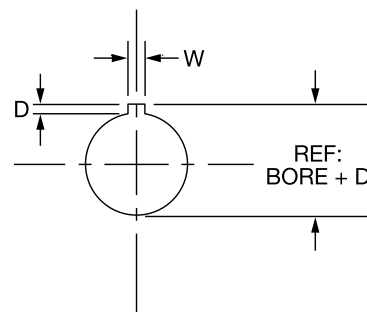
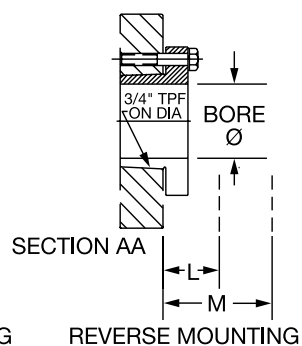
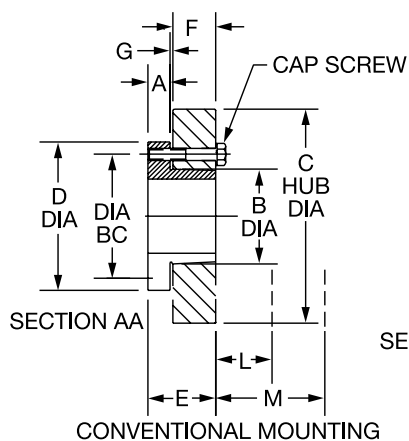
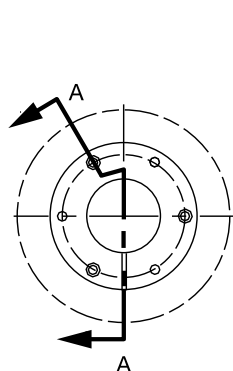
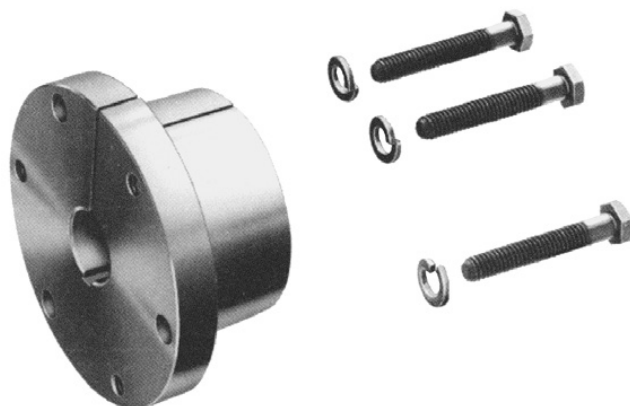
* Verify torque capacity: Contact Application Engineering for assistance

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.)



Specification

QD Bushing - Metric Bore/Metric Hardware

Stock Reborable Bushings and Specifications

Bush Sym	Ductile Iron			Dimensions (MM)							
	Part No.	Max Bore	Stock Bore	A	B	C Hub Dia		D	E	F	G
				MM	MM	Iron	Steel	MM	MM	MM	MM
H	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)
H	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	
	H	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

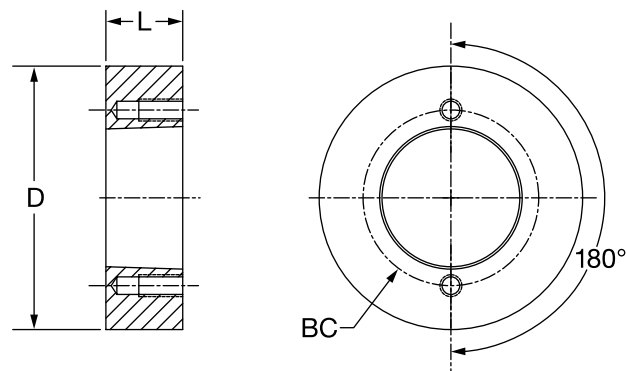
Part Numbers marked (*) are Ductile Iron

Specification

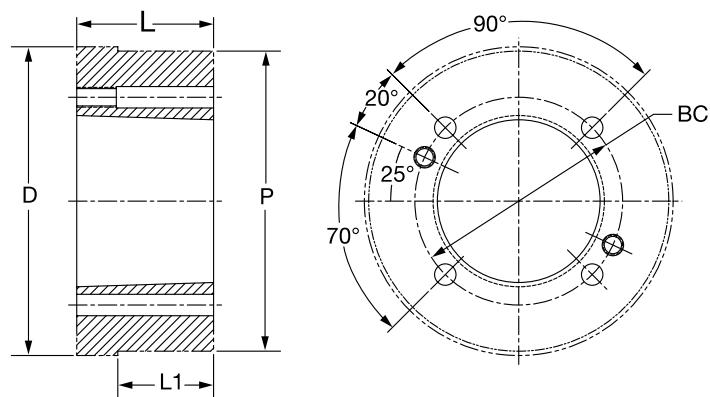
QD Hubs



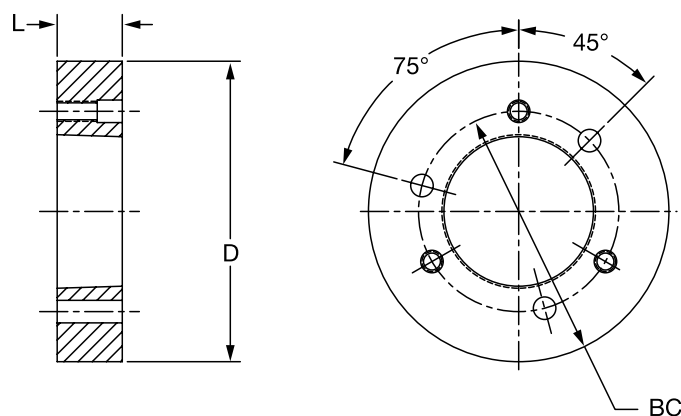
Dodge QD Weld-On hubs are useful for welding into fan rotors, pulleys, plate sprockets, impellers, agitators, etc. which require secure mounting to the shaft. These hubs are made of low carbon steel for good welding compatibility. The data tabulation shows the standard QD bushings that are used with these hubs.



TYPE 1



TYPE 3



TYPE 2

Hub No.	Part No.	For Bush	Bore Range	Wt. Lbs.	Type	Dimensions					
						D*	L	BC	P	L1	Thread Size
H-A	228465	H	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

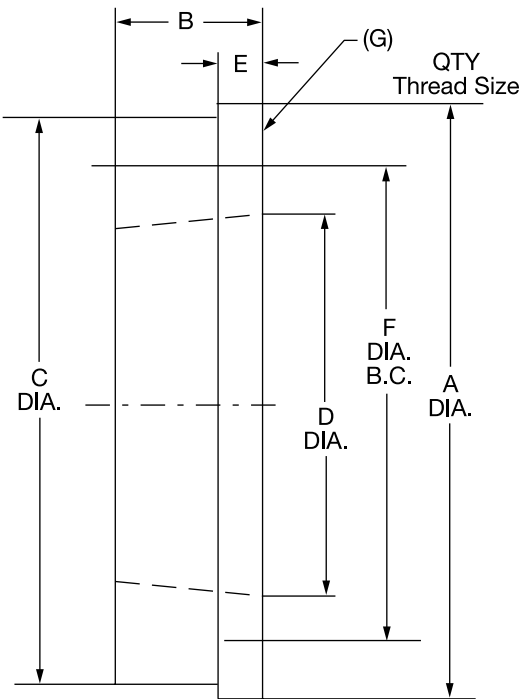
* Tolerance:

H-A Thru J-A = (+0.000"/-0.002")

M-A Thru W-A = (+0.000"/-0.003")

Specification

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

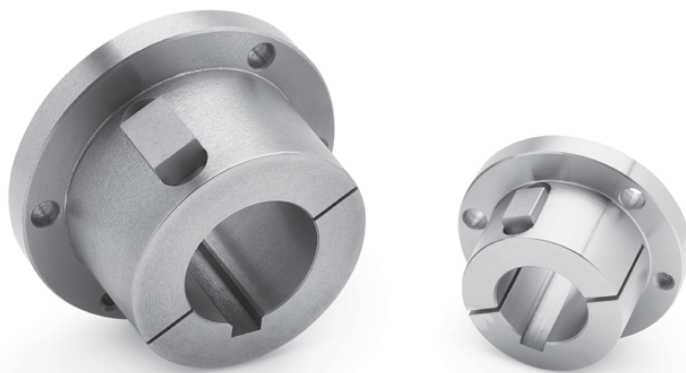
+.000/- .010" Tolerance

Features/Benefits

Split Taper Bushings

Features

- Keyed to both shaft and hub. External key provides positive drive with no torque on the cap screws.
- Double split barrel improves true concentricity - grips the shaft with positive clamp fit.
- Manufactured precisely to industry standards.
- The taper on all split taper bushings is 3/4" per foot on diameter.
- Split taper bushing is the preferred bushing style in the HVAC industry.



How to order

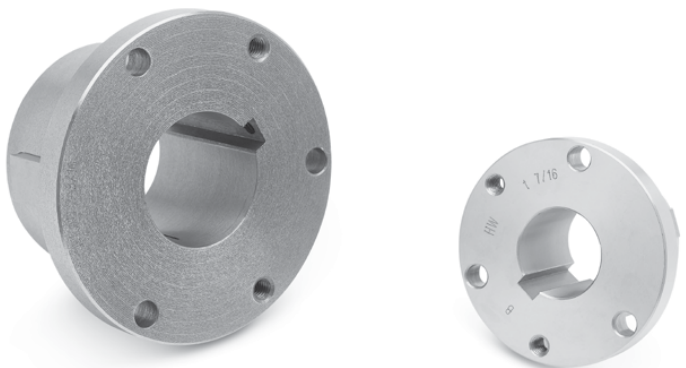
Example: **P1X1-7/16**

P1 X 1-7/16

P1: Bushing size

1-1/16: Bore size (1-1/16")

Inch bore sizes are designated with the whole inch followed by the fraction. For example, a 1.5" diameter bore would be 1-1/2".

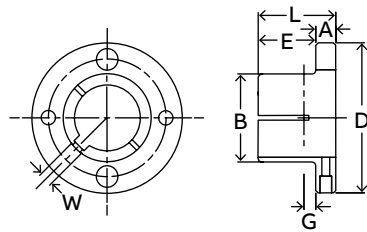


Features/Benefits

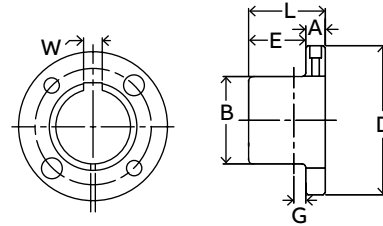
Split Taper Bushings



Type 1



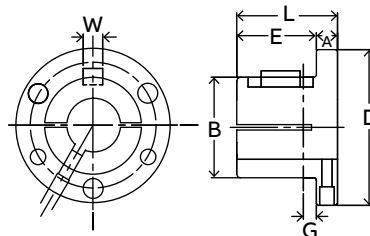
G & H type 1



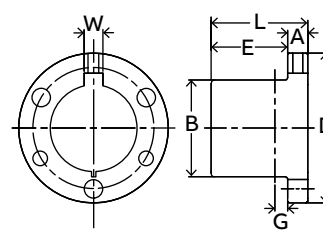
G & H type 2



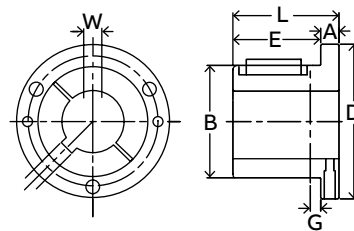
Type 2



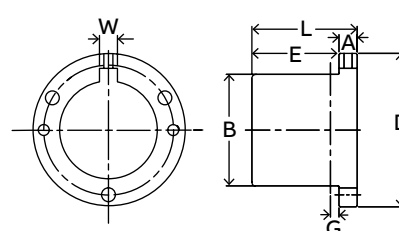
P, B, Q, & R type 1



P, B, Q, & R type 2



S type 1



S type 2

Note: Setscrew in G and R bushings only. No setscrew in H, P, B, and Q bushings.

Size	Dimensions									Max bore range		Cap screws		Av. wt. lbs.	Wrench torque in.-lbs.
	L	A	E	B		D	M	W	G	Type 1	Type 2	No.	Size		
				Large end	Small end										
G	1	1/4	3/4	1.172	1.133	2	1-9/16	–	3/16	3/8 - 15/16	1	2	1/4-20 UNC X 5/8	.5	95
H	1-9/32	9/32	1	1.625	1.570	2-1/2	2	–	1/8	3/8 - 1-3/8	1-7/16 - 1-1/2	2	1/4-20 UNC X 7/8	.8	95
P1	1-15/16	13/32	1-17/32	1.9375	1.8555	3	2-7/16	3/8	7/32	1/2 - 1-7/16	1-1/2 - 1-3/4	3	5/16-18 UNC X 1	1.3	192
P2	2-15/16	13/32	2-17/32	1.9375	1.7930	3	2-7/16	3/8	7/32	3/4 - 1-7/16	1-1/2 - 1-3/4	3	5/16-18 UNC X 1	1.5	192
B	1-15/16	1/2	1-7/16	2.625	2.5567	–	3-1/8	1/2	7/32	1/2 - 1-15/16	2 - 2-7/16	3	5/16-18 UNC X 1-1/4	1.8	192
Q1	2-1/2	17/32	1-31/32	2.875	2.7657	4-1/8	3-3/8	1/2	7/32	5/8 - 2-1/16	2-1/8 - 2-11/16	3	3/8-16 UNC X 1-1/4	3.5	348
Q2	3-1/2	17/32	2-31/32	2.875	2.7032	4-1/8	3-3/8	1/2	7/32	1 - 2-1/16	2-1/8 - 2-5/8	3	3/8-16 UNC X 1-1/4	4.5	348
R1	2-7/8	5/8	2-1/4	4.000	3.8750	5-3/8	4-5/8	3/4	1/4	1-1/8 - 2-13/16	2-7/8 - 3-3/4	3	3/8-16 UNC X 1-3/4	7.5	348
R2	4-7/8	5/8	4-1/4	4.000	3.7500	5-3/8	4-5/8	3/4	1/4	1-3/8 - 2-13/16	2-7/8 - 3-5/8	3	3/8-16 UNC X 1-3/4	11	348
S1	4-3/8	3/4	3-5/8	4.625	4.4180	6-3/8	5-3/8	3/4	5/16	1-11/16 - 3-3/16	3-1/4 - 4-1/4	3	1/2-13 UNC X 2-1/4	13.5	840

* Please contact Dodge for lead time and availability.

Specification

Split Taper Bushings

Reference Guide	BK² bushings standard stock bores (inches)				
	Part number	Description	Keyseat	Weight	
Synchronous Products	471500	G x 3/8-KW	None	0.4	G
	471501	G x 7/16-KW	None	0.4	
	471502	G x 1/2 -KW	1/8 X 7/16	0.4	
	471503	G x 9/16-KW	1/8 X 7/16	0.4	
	471504	G x 5/8-KW	3/16 X 3/32	0.3	
	471505	G x 11/16-KW	3/16 X 3/32	0.3	
	471506	G x 3/4-KW	3/16 X 3/32	0.3	
	471507	G x 13/16-KW	3/16 X 3/32	0.3	
	471508	G x 7/8-KW	3/16 X 3/32	0.3	
	471509	G x 15/16-KW	1/4 X 1/8	0.2	
	471510	G x 1-KW	1/4 X 1/8	0.2	
	471511	G x 10MM-KW	4 X 1.8MM	0.3	
	471512	G x 11MM-KW	4 X 1.8MM	0.3	
	471513	G x 12MM-KW	4 X 1.8MM	0.3	
	471514	G x 14MM-KW	5 x 2.3mm	0.3	
	471515	G x 16MM-KW	5 x 2.3mm	0.3	
	471516	G x 18MM-KW	6 x 2.8mm	0.3	
	471517	G x 19MM-KW	6 x 2.8mm	0.3	
	471518	G x 20MM-KW	6 x 2.8mm	0.3	
	471519	G x 22MM-KW	6 x 2.8mm	0.3	
	471520	G x 24MM-KW	8 x 3.3mm	0.3	
V-Belt Products	471521	G x 25MM-KW	8 x 3.3mm	0.3	
	121161	H-PLUS X 5/8-IK	3/16 x 3/32	0.8	H-plus with integral key
	121162	H-PLUS X 3/4-IK	3/16 X 3/32	0.7	
	121163	H-PLUS X 7/8-IK	3/16 X 3/32	0.7	
	121164	H-PLUS X 1-IK	1/4 x 1/8	0.6	
	121186	H-PLUS X 1-1/8-IK	1/4 X 1/8	0.6	
	121187	H-PLUS X 1-3/16-IK	1/4 X 1/8	0.5	
	121202	H-PLUS X 1-1/4-IK	1/4 X 1/8	0.5	
	121169	H-PLUS X 24MM-IK	8 x 3.3mm	0.6	
	121170	H-PLUS X 25MM-IK	8 x 3.3mm	0.6	
Roller Chain Sprockets	121129	H X 3/8-NK	None	0.8	
	121130	H X 7/16-NK	None	0.8	
	121131	H X 1/2-KW	1/8 x 1/16	0.8	
	121133	H X 9/16-KW	1/8 x 1/16	0.8	
	122050	H X 5/8-KW	3/16 x 3/32	0.8	
	121134	H X 11/16-KW	3/16 x 3/32	0.8	
	122051	H X 3/4-KW	3/16 x 3/32	0.7	
	121136	H X 13/16-KW	3/16 x 3/32	0.7	
	122052	H X 7/8-KW	3/16 x 3/32	0.7	
	121138	H X 15/16-KW	1/4 x 1/8	0.7	
	122053	H X 1-KW	1/4 x 1/8	0.6	
	121140	H X 1-1/16-KW	1/4 x 1/8	0.6	
	122054	H X 1-1/8-KW	1/4 x 1/8	0.6	
	122055	H X 1-3/16-KW	1/4 x 1/8	0.5	
	122056	H X 1-1/4-KW	1/4 x 1/8	0.5	
Bushings Products	121144	H X 1-5/16-KW	5/16 x 1/16	0.4	
	121145	H X 1-3/8-KW	5/16 x 1/16	0.4	
	121146	H X 1-7/16-KW	3/8 x 1/16	0.4	
	121147	H X 1-1/2-KW	3/8 x 1/16	0.3	
	121148	H X 14MM-KW	5 x 2.3mm	0.8	
	121165	H X 15MM-KW	5 x 2.3mm	0.8	
	121166	H X 16MM-KW	5 x 2.3mm	0.8	
	121167	H X 18MM-KW	6 x 2.8mm	0.7	
	121149	H X 19MM-KW	6 x 2.8mm	0.7	
	121469	H X 20MM-KW	6 x 2.8mm	0.7	
	121168	H X 22MM-KW	6 x 2.8mm	0.7	
	121150	H X 24MM-KW	8 X 3.3mm	0.6	
	121151	H X 25MM-KW	8 X 3.3mm	0.6	
	121152	H X 28MM-KW	8 X 3.3mm	0.6	
	121153	H X 30MM-KW	8 X 3.3mm	0.5	
	121154	H X 32MM-KW	10 x 3.3mm	0.5	
	121173	H X 35MM-KW	10 x 3.3mm	0.4	
	121174	H X 38MM-KW	10 x 1.3mm	0.3	
Accessories Products					

* Please contact Dodge for lead time and availability.

Reference Guide	BK² bushings standard stock bores (inches)				
	Part number	Description	Keyseat	Weight	
Synchronous Products	471522	P1 x 1/2-KW	1/8 X 1/16	2.5	P1
	471523	P1 x 9/16-KW	1/8 X 1/16	1.8	
	471524	P1 x 5/8-KW	3/16 X 3/32	2.4	
	471525	P1 x 21/32-KW	3/16 X 3/32	1.7	
	471526	P1 x 11/16-KW	3/16 X 3/32	1.7	
	471527	P1 x 3/4-KW	3/16 X 3/32	2.3	
	471528	P1 x 25/32-KW	3/16 X 3/32	1.6	
	471529	P1 x 13/16-KW	3/16 X 3/32	1.6	
	471530	P1 x 7/8-KW	3/16 X 3/32	2.2	
	471531	P1 x 15/16-KW	1/4 X 1/8	2.1	
	471532	P1 x 31/32-KW	1/4 X 1/8	1.5	
	471533	P1 x 1-KW	1/4 X 1/8	2.1	
	471534	P1 x 1-1/16-KW	1/4 X 1/8	1.4	
	471535	P1 x 1-1/8-KW	1/4 X 1/8	2	
	471536	P1 x 1-3/16-KW	1/4 X 1/8	1.9	
	471537	P1 x 1-1/4-KW	1/4 X 1/8	2	
	471538	P1 x 1-5/16-KW	5/16 X 5/32	1.2	
	471539	P1 x 1-3/8-KW	5/16 X 5/32	1.8	
	471540	P1 x 1-3/8 KW 3/8-KW	3/8 X 3/16	1.1	
	471541	P1 x 1-7/16-KW	3/8 X 3/16	1.7	
	471542	P1 x 1-1/2-KW	3/8 X 3/16	0.9	
	471543	P1 x 1-9/16-KW	3/8 X 3/16	0.9	
V-Belt Products	471544	P1 x 1-5/8-KW	3/8 X 3/16	0.8	
	471545	P1 x 1-11/16-KW	3/8 X 3/16	0.8	
	471546	P1 x 1-3/4-KW	3/8 X 3/16	0.7	
	471547	P1 x 14MM-KW	5 x 2.3mm	2.1	
	471548	P1 x 15MM-KW	5 x 2.3mm	2.1	
	471549	P1 x 16MM-KW	5 x 2.3mm	2.1	
	471550	P1 x 18MM-KW	6 x 2.8mm	2.1	
	471551	P1 x 19MM-KW	6 x 2.8mm	2.1	
	471552	P1 x 20MM-KW	6 x 2.8mm	2.1	
	471553	P1 x 22MM-KW	6 x 2.8mm	2.1	
	471554	P1 x 24MM-KW	8 x 3.3mm	2.2	
	471555	P1 x 25MM-KW	8 x 3.3mm	2.1	
	471556	P1 x 28MM-KW	8 x 3.3mm	1.4	
	471557	P1 x 30MM-KW	8 x 3.3mm	1.4	
	471558	P1 x 32MM-KW	10 x 3.3mm	1.4	
	471559	P1 x 35MM-KW	10 x 3.3mm	1.4	
	471560	P1 x 36MM-KW	10 x 3.3mm	1	
	471561	P1 x 38MM-KW	10 x 3.3mm	1	
	471562	P1 x 39MM-KW	12 x 3.3mm	1	
	471563	P1 x 40MM-KW	12 x 3.3mm	1	
	471564	P1 x 42MM-KW	12 x 3.3mm	0.9	
Roller Chain Sprockets	471565	P2 x 1/2-KW	1/8 X 1/16	2.8	P2
	471566	P2 x 5/8-KW	3/16 X 3/32	2.7	
	471567	P2 x 3/4-KW	3/16 X 3/32	2.6	
	471568	P2 x 13/16-KW	3/16 X 3/32	2.2	
	471569	P2 x 7/8-KW	3/16 X 3/32	2.5	
	471570	P2 x 15/16-KW	1/4 X 1/8	2	
	471571	P2 x 1-KW	1/4 X 1/8	2.4	
	471572	P2 x 1-1/16-KW	1/4 X 1/8	1.9	
	471573	P2 x 1-1/8-KW	1/4 X 1/8	2.3	
	471574	P2 x 1-3/16-KW	1/4 X 1/8	1.7	
	471575	P2 x 1-1/4-KW	1/4 X 1/8	2.2	
	471576	P2 x 1-5/16-KW	5/16 X 5/32	1.5	
	471577	P2 x 1-3/8-KW	5/16 X 5/32	2.1	
	471578	P2 x 1-3/8KW3/8-KW	3/8 X 3/16	1.4	
	471579	P2 x 1-7/16-KW	3/8 X 3/16	1.8	
	471580	P2 x 1-1/2-KW	3/8 X 3/16	1.6	
	471581	P2 x 1-9/16-KW	3/8 X 3/16	1.1	
	471582	P2 x 1-5/8-KW	3/8 X 3/16	1.5	
	471583	P2 x 1-11/16-KW	3/8 X 3/16	0.8	
	471584	P2 x 1-3/4-KW	3/8 X 3/16	1.4	

Specification

Split Taper Bushings

BK ² bushings standard stock bores (inches)				
Part number	Description	Keyseat	Weight	
471585	B x 1/2-KW	1/8 X 7/16	3.7	B
471586	B x 9/16-KW	1/8 X 7/16	3.2	
471587	B x 5/8-KW	3/16 X 3/32	3.6	
471588	B x 11/16-KW	3/16 X 3/32	3.2	
471589	B x 3/4-KW	3/16 X 3/32	3.5	
471590	B x 13/16-KW	3/16 X 3/32	3.1	
471591	B x 7/8-KW	3/16 X 3/32	3.5	
471592	B x 15/16-KW	1/4 X 1/8	3	
471593	B x 1-KW	1/4 X 1/8	3.4	
471594	B x 1-1/16-KW	1/4 X 1/8	2.9	
471595	B x 1-1/8-KW	1/4 X 1/8	3.3	
471596	B x 1-3/16-KW	1/4 X 1/8	2.8	
471597	B x 1-1/4-KW	1/4 X 1/8	3.2	
471598	B x 1-5/16-KW	5/16 X 5/32	2.7	
471599	B x 1-3/8-KW	3/8 X 3/16	2.6	
471600	B x 1-3/8 KW 3/8-KW	3/8 X 3/16	2.6	
471601	B x 1-7/16-KW	3/8 X 3/16	2.5	
471602	B x 1-1/2-KW	3/8 X 3/16	2.9	
471603	B x 1-9/16-KW	3/8 X 3/16	2.4	
471604	B x 1-5/8-KW	3/8 X 3/16	2.3	
471605	B x 1-11/16-KW	3/8 X 3/16	2.2	
471606	B x 1-3/4-KW	3/8 X 3/16	2.6	
471607	B x 1-13/16-KW	1/2 X 1/4	2.1	
471608	B x 1-7/8-KW	1/2 X 1/4	2.2	
471609	B x 1-15/16-KW	1/2 X 1/4	1.9	
471610	B x 2-KW	1/2 X 1/4	2	
471611	B x 2-1/16-KW	1/2 X 1/4	1.7	
471612	B x 2-1/8-KW	1/2 X 1/4	1.9	
471613	B x 2-3/16-KW	1/2 X 1/4	1.5	
471614	B x 2-1/4-KW	1/2 X 1/4	1.7	
471615	B x 2-5/16-KW	5/8 X 5/16	1.2	
471616	B x 2-3/8-KW	5/8 X 5/16	1.6	
471617	B x 2-7/16-KW	5/8 X 5/16	1.4	
471618	B x 15MM-KW	5 x 2.3mm	3.7	
471619	B x 16MM-KW	5 x 2.3mm	3.7	
471620	B x 18MM-KW	6 x 2.8mm	3.7	
471621	B x 19MM-KW	6 x 2.8mm	3.7	
471622	B x 20MM-KW	6 x 2.8mm	3.7	
471623	B x 22MM-KW	6 x 2.8mm	3.7	
471624	B x 24MM-KW	8 x 3.3mm	3.7	
471625	B x 25MM-KW	8 x 3.3mm	3.7	
471626	B x 28MM-KW	8 x 3.3mm	3.3	
471627	B x 30MM-KW	8 x 3.3mm	3.3	
471628	B x 32MM-KW	10 x 3.3mm	3.3	
471629	B x 35MM-KW	10 x 3.3mm	3.3	
471630	B x 36MM-KW	10 x 3.3mm	3.3	
471631	B x 38MM-KW	10 x 3.3mm	3.3	
471632	B x 39MM-KW	12 x 3.3mm	3.3	
471633	B x 40MM-KW	12 x 3.3mm	3.3	
471634	B x 42MM-KW	12 x 3.3mm	3.3	
471635	B x 45MM-KW	14 x 3.8mm	2.2	
471636	B x 48MM-KW	14 x 3.8mm	2.2	
471637	B x 50MM-KW	14 x 3.8mm	2.2	
471638	B x 55MM-KW	16 x 4.3mm	2.2	
471639	B x 60MM-KW	18 x 4.4mm	2.2	
Q1	471640	Q1 x 5/8-KW	3/16 X 3/32	4.8
	471641	Q1 x 3/4-KW	3/16 X 3/32	4.8
	471642	Q1 x 13/16-KW	3/16 X 3/32	4.7
	471643	Q1 x 7/8-KW	3/16 X 3/32	4.7
	471644	Q1 x 15/16-KW	1/4 X 1/8	4.6
	471645	Q1 x 1-KW	1/4 X 1/8	4.6
	471646	Q1 x 1-1/16-KW	1/4 X 1/8	4.5
	471647	Q1 x 1-1/8-KW	1/4 X 1/8	4.4
Q2	471648	Q1 x 1-3/16-KW	1/4 X 1/8	4.3

Part number	Description	Keyseat	Weight	
471649	Q1 x 1-1/4-KW	1/4 X 1/8	4.3	Q1
471650	Q1 x 1-5/16-KW	5/16 X 5/32	4.2	
471651	Q1 x 1-3/8-KW	5/16 X 5/32	4.1	
471652	Q1 x 1-3/8 KW 3/8-KW	3/8 X 3/16	4.1	
471653	Q1 x 1-7/16-KW	3/8 X 3/16	4	
471654	Q1 x 1-1/2-KW	3/8 X 3/16	3.9	
471655	Q1 x 1-9/16-KW	3/8 X 3/16	3.8	
471656	Q1 X 1-5/8-KW	3/8 X 3/16	3.7	
471657	Q1 x 1-11/16-KW	3/8 X 3/16	3.6	
471658	Q1 x 1-3/4-KW	3/8 X 3/16	3.5	
471659	Q1 x 1-13/16-KW	1/2 X 1/4	3.4	
471660	Q1 x 1-7/8-KW	1/2 X 1/4	3.3	
471661	Q1 x 1-15/16-KW	1/2 X 1/4	3.2	
471662	Q1 x 2-KW	1/2 X 1/4	3	
471663	Q1 x 2-1/16-KW	1/2 X 1/4	2.9	
471664	Q1 x 2-1/8-KW	1/2 X 1/4	2.8	
471665	Q1 x 2-3/16-KW	1/2 X 1/4	2.6	
471666	Q1 x 2-1/4-KW	1/2 X 1/4	2.5	
471667	Q1 x 2-5/16-KW	5/8 X 5/16	2.3	
471668	Q1 x 2-3/8-KW	5/8 X 5/16	2.2	
471669	Q1 x 2-7/16-KW	5/8 X 5/16	2	
471670	Q1 x 2-1/2-KW	5/8 X 5/16	1.9	
471671	Q1 x 2-9/16-KW	5/8 X 5/16	1.7	
471672	Q1 x 2-5/8-KW	5/8 X 5/16	1.6	
471673	Q1 x 2-11/16-KW	5/8 X 5/16	1.5	
471674	Q1 x 19MM-KW	6 x 2.8mm	4.7	
471675	Q1 x 20MM-KW	6 x 2.8mm	4.7	
471676	Q1 x 22MM-KW	6 x 2.8mm	4.7	
471677	Q1 x 24MM-KW	8 x 3.3mm	4.7	
471678	Q1 x 25MM-KW	8 x 3.3mm	4.7	
471679	Q1 x 28MM-KW	8 x 3.3mm	3.8	
471680	Q1 x 30MM-KW	8 x 3.3mm	3.8	
471681	Q1 x 32MM-KW	10 x 3.3mm	3.8	
471682	Q1 x 35MM-KW	10 x 3.3mm	3.8	
471683	Q1 x 36MM-KW	10 x 3.3mm	3.8	
471684	Q1 x 38MM-KW	10 x 3.3mm	3.8	
471685	Q1 x 39MM-KW	12 x 3.3mm	3.8	
471686	Q1 x 40MM-KW	12 x 3.3mm	3.8	
471687	Q1 x 42MM-KW	12 x 3.3mm	3.2	
471688	Q1 x 45MM-KW	14 x 3.8mm	3.2	
471689	Q1 x 48MM-KW	14 x 3.8mm	3.2	
471690	Q1 x 50MM-KW	14 x 3.8mm	3.1	
471691	Q1 x 55MM-KW	16 x 4.3mm	2.2	
471692	Q1 x 60MM-KW	18 x 4.4mm	2.2	
471693	Q1 x 65MM-KW	18 x 4.4mm	1.7	
Q2	471694	Q2 x 1-KW	1/4 X 1/8	5.9
	471695	Q2 x 1-1/16-KW	1/4 X 1/8	5.8
	471696	Q2 x 1-1/8-KW	1/4 X 1/8	5.7
	471697	Q2 x 1-3/16-KW	1/4 X 1/8	5.6
	471698	Q2 x 1-1/4-KW	1/4 X 1/8	5.5
	471699	Q2 x 1-5/16-KW	5/16 X 5/32	5.4
	471700	Q2 x 1-3/8-KW	5/16 X 5/32	5.2
	471700	Q2 x 1-3/8-KW	3/8 X 3/16	5.2
	471701	Q2 x 1-3/8 KW 3/8-KW	3/8 X 3/16	5.2
	471702	Q2 x 1-7/16-KW	3/8 X 3/16	5.1
	471703	Q2 x 1-1/2-KW	3/8 X 3/16	5
	471704	Q2 x 1-9/16-KW	3/8 X 3/16	4.9
	471705	Q2 x 1-5/8-KW	3/8 X 3/16	4.7
	471706	Q2 x 1-11/16-KW	3/8 X 3/16	4.6
	471707	Q2 x 1-3/4-KW	3/8 X 3/16	4.4
	471708	Q2 x 1-13/16-KW	1/2 X 1/4	4.3
	471709	Q2 x 1-7/8-KW	1/2 X 1/4	4.1
	471710	Q2 x 1-15/16-KW	1/2 X 1/4	3.9
	471711	Q2 x 2-KW	1/2 X 1/4	3.7
	471712	Q2 x 2-1/16-KW	1/2 X 1/4	3.6

Specification

Split Taper Bushings

Reference Guide	20	BK² bushings standard stock bores (inches)			
		Part number	Description	Keyseat	Weight
		471713	Q2 x 2-1/8-KW	1/2 X 1/4	3.4
		471714	Q2 x 2-3/16-KW	1/2 X 1/4	3.2
		471715	Q2 x 2-1/4-KW	1/2 X 1/4	3
		471716	Q2 x 2-5/16-KW	5/8 X 5/16	2.8
		471717	Q2 x 2-3/8-KW	5/8 X 5/16	2.6
		471718	Q2 x 2-7/16-KW	5/8 X 5/16	2.3
		471719	Q2 x 2-1/2-KW	5/8 X 5/16	2.1
		471720	Q2 x 2-9/16-KW	5/8 X 5/16	1.9
		471721	Q2 x 2-5/8-KW	5/8 X 5/16	1.7
		471722	Q2 x 38MM-KW	10 x 3.3mm	5
		471723	R1 x 1-1/8-KW	1/4 X 1/8	10.1
		471724	R1 x 1-3/16-KW	1/4 X 1/8	10
		471725	R1 x 1-1/4-KW	1/4 X 1/8	9.9
		471726	R1 x 1-5/16-KW	5/16 X 5/32	9.8
		471727	R1 x 1-3/8-KW	5/16 X 5/32	9.7
		471727	R1 x 1-3/8-KW	3/8 X 3/16	9.7
		471728	R1 x 1-3/8 KW 3/8-KW	3/8 X 3/16	9.7
		471729	R1 x 1-7/16-KW	3/8 X 3/16	9.6
		471730	R1 x 1-1/2-KW	3/8 X 3/16	9.5
		471731	R1 x 1-9/16-KW	3/8 X 3/16	9.4
		471732	R1 x 1-5/8-KW	3/8 X 3/16	9.3
		471733	R1 x 1-11/16-KW	3/8 X 3/16	9.2
		471734	R1 x 1-3/4-KW	3/8 X 3/16	9
		471735	R1 x 1-13/16-KW	1/2 X 1/4	8.9
		471736	R1 x 1-7/8-KW	1/2 X 1/4	8.8
		471737	R1 x 1-15/16-KW	1/2 X 1/4	8.6
		471738	R1 x 2-KW	1/2 X 1/4	8.5
		471739	R1 x 2-1/16-KW	1/2 X 1/4	8.3
		471740	R1 x 2-1/8-KW	1/2 X 1/4	8.2
		471741	R1 x 2-3/16-KW	1/2 X 1/4	8
		471742	R1 x 2-1/4-KW	1/2 X 1/4	7.9
		471743	R1 x 2-5/16-KW	5/8 X 5/16	7.7
		471744	R1 x 2-3/8-KW	5/8 X 5/16	7.5
		471745	R1 x 2-7/16-KW	5/8 X 5/16	7.3
		471746	R1 x 2-1/2-KW	5/8 X 5/16	7.2
		471747	R1 x 2-9/16-KW	5/8 X 5/16	7
		471748	R1 x 2-5/8-KW	5/8 X 5/16	8.8
		471749	R1 x 2-11/16-KW	5/8 X 5/16	6.6
		471750	R1 x 2-3/4-KW	5/8 X 5/16	6.4
		471751	R1 x 2-13/16-KW	3/4 X 3/8	6.2
		471752	R1 x 2-7/8-KW	3/4 X 3/8	6
		471753	R1 x 2-15/16-KW	3/4 X 3/8	4.4
		471754	R1 x 3-KW	3/4 X 3/8	5.6
		471755	R1 x 3-1/16-KW	3/4 X 3/8	5.3
		471756	R1 x 3-1/8-KW	3/4 X 3/8	5.1
		471757	R1 x 3-3/16-KW	3/4 X 3/8	4.9
		471758	R1 x 3-1/4-KW	3/4 X 3/8	4.6
		471759	R1 x 3-3/8-KW	7/8 X 7/16	4.2
		471760	R1 x 3-7/16-KW	7/8 X 7/16	3.9
		471761	R1 x 3-1/2-KW	7/8 X 7/16	3.6
		471762	R1 x 3-5/8-KW	7/8 X 7/16	3.1
		471763	R1 x 3-11/16-KW	7/8 X 7/16	2.9
		471764	R1 x 3-3/4-KW	7/8 X 7/16	2.6
		471765	R1 x 28MM-KW	8 x 3.3mm	10.1
		471766	R1 x 30MM-KW	8 x 3.3mm	10.1
		471767	R1 x 32MM-KW	10 x 3.3mm	10.1
		471768	R1 x 35MM-KW	10 x 3.3mm	10.1
		471769	R1 x 36MM-KW	10 x 3.3mm	10.1
		471770	R1 x 38MM-KW	10 x 3.3mm	10.1
		471771	R1 x 39MM-KW	12 x 3.3mm	10.1
		471772	R1 x 40MM-KW	12 x 3.3mm	10.1
		471773	R1 x 42MM-KW	12 x 3.3mm	9.2
		471774	R1 x 45MM-KW	14 x 3.8mm	9.2
		471775	R1 x 48MM-KW	14 x 3.8mm	8.7
		471776	R1 x 50MM-KW	14 x 3.8mm	8.7

R1	Part number	Description	Keyseat	Weight
	471777	R1 x 55MM-KW	16 x 4.3mm	8.7
	471778	R1 x 60MM-KW	18 x 4.4mm	7.6
	471779	R1 x 65MM-KW	18 x 4.4mm	7
	471780	R1 x 70MM-KW	20 x 4.9mm	6.4
	471781	R1 x 75MM-KW	20 x 4.9mm	6.4
	471782	R1 x 80MM-KW	22 x 5.4mm	4.5
	471783	R1 x 90MM-KW	25 x 5.4mm	3.5
	471784	R1 x 95MM-KW	25 x 5.4mm	3.5
	471785	R2 x 1-3/8-KW	5/16 X 5/32	14.9
	471786	R2 x 1-7/16-KW	3/8 X 3/16	14.7
	471787	R2 x 1-1/2-KW	3/8 X 3/16	14.5
	471788	R2 x 1-9/16-KW	3/8 X 3/16	14.4
	471789	R2 x 1-5/8-KW	3/8 X 3/16	14.2
	471790	R2 x 1-11/16-KW	3/8 X 3/16	13.9
	471791	R2 x 1-3/4-KW	3/8 X 3/16	13.7
	471792	R2 x 1-13/16-KW	1/2 X 1/4	13.5
	471793	R2 x 1-7/8-KW	1/2 X 1/4	13.3
	471794	R2 x 1-15/16-KW	1/2 X 1/4	13
	471795	R2 x 2-KW	1/2 X 1/4	12.8
	471796	R2 x 2-1/16-KW	1/2 X 1/4	12.5
	471797	R2 x 2-1/8-KW	1/2 X 1/4	12.3
	471798	R2 x 2-3/16-KW	1/2 X 1/4	12
	471799	R2 x 2-1/4-KW	1/2 X 1/4	11.7
	471800	R2 x 2-5/16-KW	5/8 X 5/16	11.5
	471801	R2 x 2-3/8-KW	5/8 X 5/16	11.2
	471802	R2 x 2-7/16-KW	5/8 X 5/16	10.2
	471803	R2 x 2-1/2-KW	5/8 X 5/16	10.6
	471804	R2 x 2-9/16-KW	5/8 X 5/16	10.2
	471805	R2 x 2-5/8-KW	5/8 X 5/16	9.9
	471806	R2 x 2-11/16-KW	5/8 X 5/16	9.6
	471807	R2 x 2-3/4-KW	5/8 X 5/16	9.4
	471808	R2 x 2-13/16-KW	3/4 X 3/8	8.9
	471809	R2 x 2-7/8-KW	3/4 X 3/8	8.6
	471810	R2 x 2-15/16-KW	3/4 X 3/8	8.5
	471811	R2 x 3-KW	3/4 X 3/8	7.8
	471812	R2 x 3-1/16-KW	3/4 X 3/8	7.4
	471813	R2 x 3-1/8-KW	3/4 X 3/8	7.1
	471814	R2 x 3-3/16-KW	3/4 X 3/8	6.7
	471815	R2 x 3-1/4-KW	3/4 X 3/8	6.3
	471816	R2 x 3-3/8-KW	7/8 X 7/16	8
	471817	R2 x 3-7/16-KW	7/8 X 7/16	7.7
	471818	R2 x 3-1/2-KW	7/8 X 7/16	7.7
	471819	R2 x 3-5/8-KW	7/8 X 7/16	7.5
	471820	R2 x 35MM-KW	10 x 3.3mm	14.9
	471821	R2 x 36MM-KW	10 x 3.3mm	14.7
	471822	R2 x 38MM-KW	10 x 3.3mm	14.5
	471823	R2 x 39MM-KW	12 x 3.3mm	14.4
	471824	R2 x 40MM-KW	12 x 3.3mm	14.2
	471825	R2 x 42MM-KW	12 x 3.3mm	13.9
	471826	R2 x 45MM-KW	14 x 3.8mm	13.7
	471827	R2 x 48MM-KW	14 x 3.8mm	13.5
	471828	R2 x 50MM-KW	14 x 3.8mm	13.3
	471829	R2 x 55MM-KW	16 x 4.3mm	13
	471830	R2 x 60MM-KW	18 x 4.4mm	12.8
	471831	R2 x 65MM-KW	18 x 4.4mm	12.5
	471832	R2 x 70MM-KW	20 x 4.9mm	12.3
	471833	R2 x 75MM-KW	20 x 4.9mm	12
	471834	R2 x 80MM-KW	22 x 5.4mm	11.7
	471835	R2 x 85MM-KW	22 x 5.4mm	11.5
	471836	R2 x 90MM-KW	25 x 5.4mm	11.2

Specification

Split Taper Bushings

Split taper bushings standard stock bores (inches)			
Part number	Description	Keyseat	Weight
471837	S1 x 1-11/16-KW	3/8 X 3/16	18.9
471838	S1 x 1-3/4-KW	3/8 X 3/16	18.7
471839	S1 x 1-7/8-KW	1/2 X 1/4	18.3
471840	S1 x 1-15/16-KW	1/2 X 1/4	18.1
471841	S1 x 2-KW	1/2 X 1/4	17.8
471842	S1 x 2-1/16-KW	1/2 X 1/4	17.6
471843	S1 x 2-1/8-KW	1/2 X 1/4	17.4
471844	S1 x 2-3/16-KW	1/2 X 1/4	17.1
471845	S1 x 2-1/4-KW	1/2 X 1/4	16.9
471846	S1 x 2-5/16-KW	5/8 X 5/16	16.6
471847	S1 x 2-3/8-KW	5/8 X 5/16	16.4
471848	S1 x 2-7/16-KW	5/8 X 5/16	16.1
471849	S1 x 2-1/2-KW	5/8 X 5/16	15.8
471850	S1 x 2-9/16-KW	5/8 X 5/16	15.6
471851	S1 x 2-5/8-KW	5/8 X 5/16	15.3
471852	S1 x 2-11/16-KW	5/8 X 5/16	15
471853	S1 x 2-3/4-KW	5/8 X 5/16	14.7
471854	S1 x 2-7/8-KW	3/4 X 3/8	14
471855	S1 x 2-15/16-KW	3/4 X 3/8	13.7
471856	S1 x 3-KW	3/4 X 3/8	13.4
471857	S1 x 3-1/8-KW	3/4 X 3/8	12.7
471858	S1 x 3-3/16-KW	3/4 X 3/8	12.3
471859	S1 x 3-1/4-KW	3/4 X 3/8	12
471860	S1 x 3-3/8-KW	7/8 X 7/16	11.3
471861	S1 x 3-7/16-KW	7/8 X 7/16	10.9
471862	S1 x 3-1/2-KW	7/8 X 7/16	10.5
471863	S1 x 3-5/8-KW	7/8 X 7/16	9.7
471864	S1 x 3-11/16-KW	7/8 X 7/16	9.3
471865	S1 x 3-3/4-KW	7/8 X 7/16	8.9
471866	S1 x 3-7/8-KW	1 X 1/2	8
471867	S1 x 3-15/16-KW	1 X 1/2	7.6
471868	S1 x 4-KW	1 X 1/2	7.4
471869	S1 x 4-1/8-KW	1 X 1/2	6.2
471870	S1 x 4-3/16-KW	1 X 1/2	5.8
471871	S1 x 4-1/4-KW	1 X 1/2	5.3

S1

Reference Guide

Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

Accessories Products

Accessories Products

ACC-2	V-belt tools
ACC-5	Roller Chain tools
ACC-6	Shaft collars
ACC-7	Motor Mounts
ACC-9	Grip tight Bushings
ACC-11	Idler Brackets and Bushings

Accessories Products

V-belt tools

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 eight gages for grooves and two 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

Accessories Products

V-belt tools

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

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

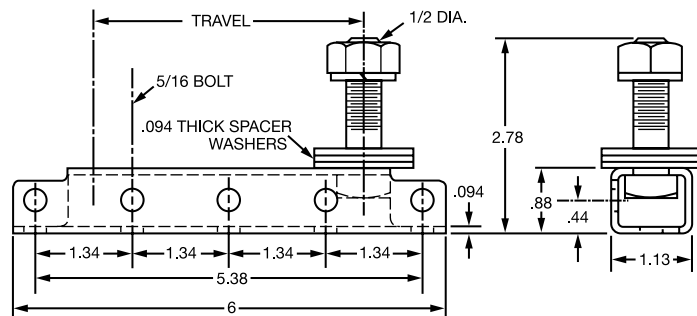
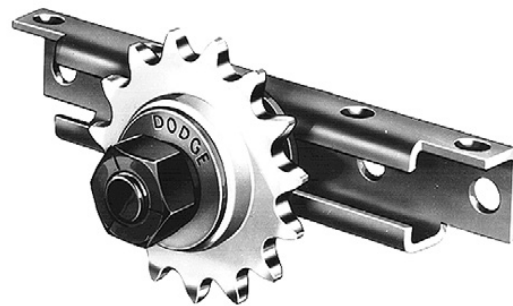
Sonic Tension Meter - Model 507C (Comes with meter)	Part No. 109994	Wt. - 1.0 Lb.
☼ Flexible Sensor	Part No. 109995	Wt. - 0.2 Lb.
Cord Sensor	Part No. 109996	Wt. - 0.2 Lb.
☼ Inductive Sensor (magnets included)	Part No. 109997	Wt. - 0.2 Lb.
☼ Optional accesories		

Accessories 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.



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

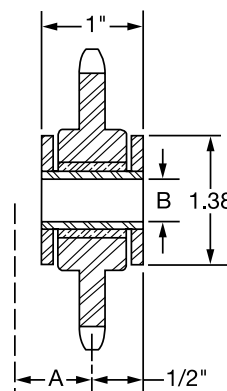
Idler Sprockets

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.

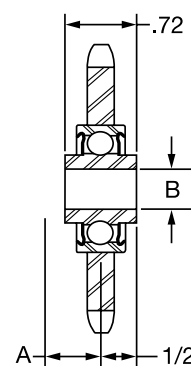
Idler sprockets will operate at the same speeds permitted for driver sprockets of the same number of teeth. They are machined all over with teeth hardened to assure smooth-running drives. They are available with either bronze sleeve or ball bearings in the sprocket bore. The sleeve bearing runs on a hardened and ground steel journal. The ball bearings are double-sealed and prelubricated.

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



**SLEEVE
BEARING TYPE**



**BALL BEARING
TYPE**

For Chain:		Description	Part No.	No. of Spkt. Teeth	Spkt. O.D.	Brg. Type	Wt.	A *	B †	Ref. Old No.
No.	Pitch	+								
35	3/8"	31E20	102052	20	2.593	Brz.	.53	.59	1/2	CT320
		35BB20H	102060			Ball	.30	.44	5/8	320H
41-40		41E15	102053	15	2.652	Brz.	.58	.59	1/2	CT415
40	1/2"	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

Accessories Products

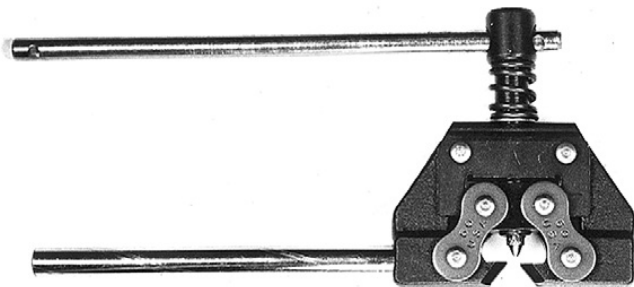
Chain Tools



Chain Assembly Tools

This unique tool was designed to make sizes 35-240 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



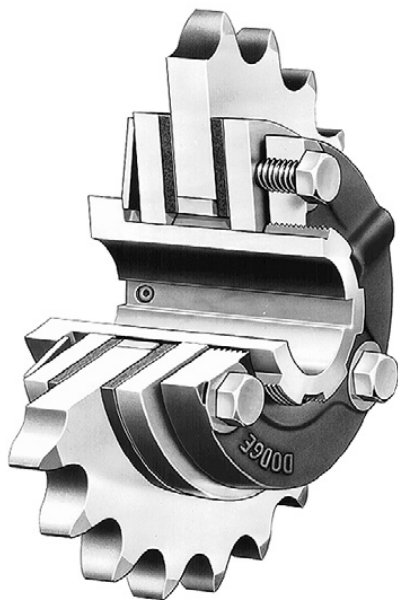
Chain Pin Extractors
(Chain Breaker)

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 25-160. 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 and 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 overload protection that's a cinch to adjust.



See Torque-Tamer Section for complete specifications and ordering information.

Accessories Products

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

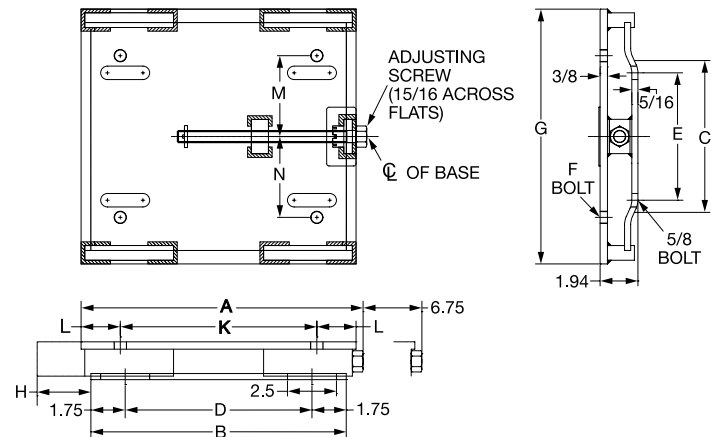
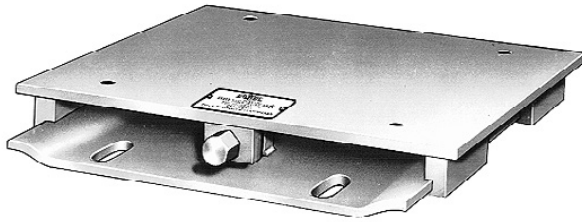
Split Iron Shaft Collars				
Shaft Size	Part Number	Dimensions		
		O.D.	Width	Wt.
1-1/8	010075	3-1/8	1-1/4	1.3
1-3/16	010076	3-1/8	1-1/4	1.3
1-1/4	010077	3-1/8	1-1/4	1.3
1-5/16	010078	3-3/8	1-7/16	1.5
1-7/16	010080	3-3/8	1-7/16	1.5
1-1/2	010081	3-3/8	1-7/16	1.5
1-11/16	010084	3-3/4	1-9/16	2.3
1-3/4	010085	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

Accessories Products

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.		Wt.	A	B	C	D	E	F *	G	H	K	L	M	N
	1750 RPM	1160 RPM													
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*													
	184T*	184T*													
	213T*	213T*													
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*													
	215T*	-													
	254T*	254T*													
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													
	286U*, 286T*	286U*, 286T*													
	256T*	-													
	284T*	284T*													
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													
	324T*	324T*													

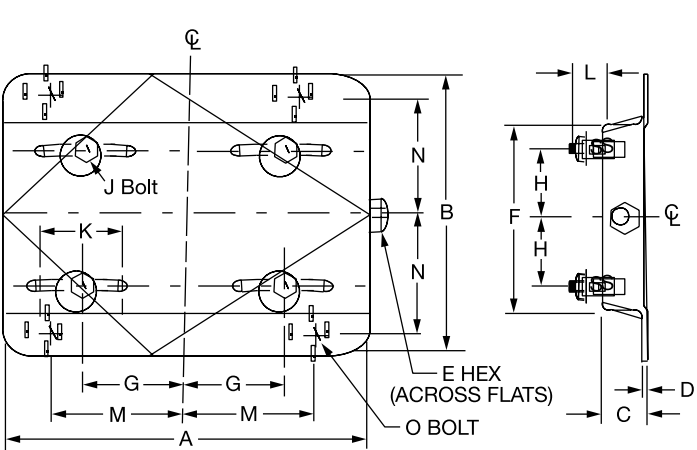
* Bases are tapped with national coarse threads for those motor frames not marked with an asterisk.

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.

Accessories Products

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

Accessories Products

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
- Sheave and sprockets
- Couplings

NOTE: Installation and maintenance instructions for Dodge products are available on dodge.ptplace.com

Accessories Products

GRIP-TIGHT Bushings - Dimensions

Reference Guide

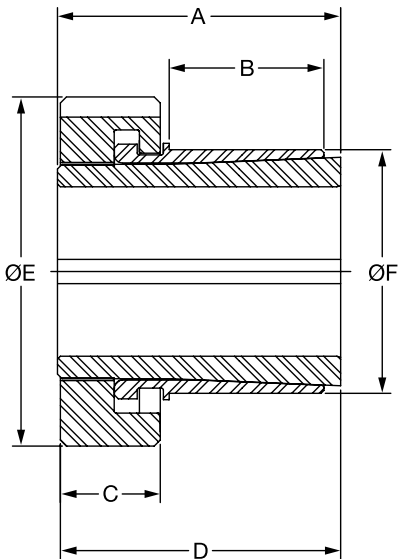
Synchronous Products

V-Belt Products

Roller Chain Sprockets

Bushing Products

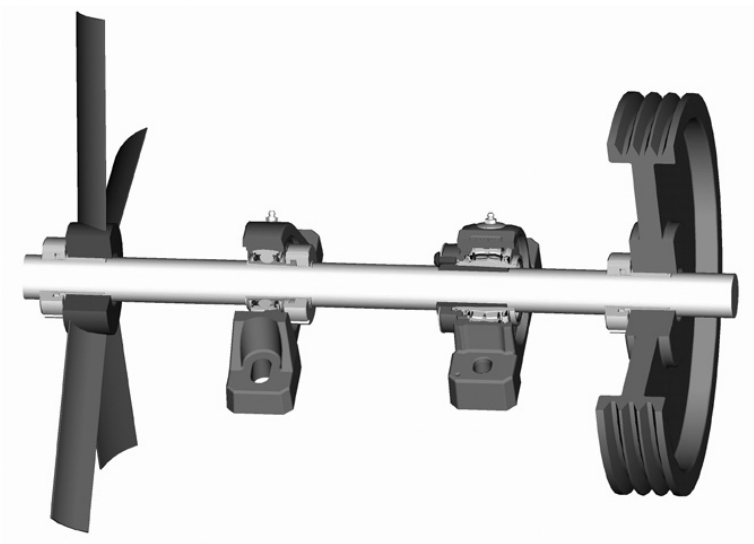
Accessories Products



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

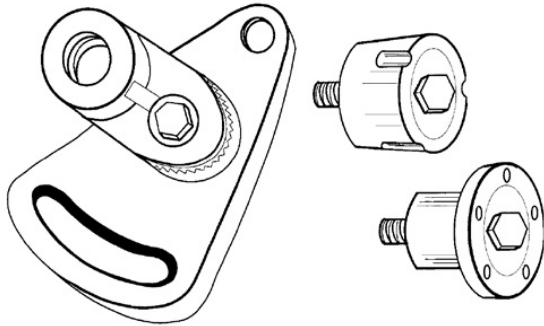
* Other shaft sizes available upon request

NOTE: Installation and maintenance instructions for Dodge products available at dodge.ptplace.com



Accessories Products

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.

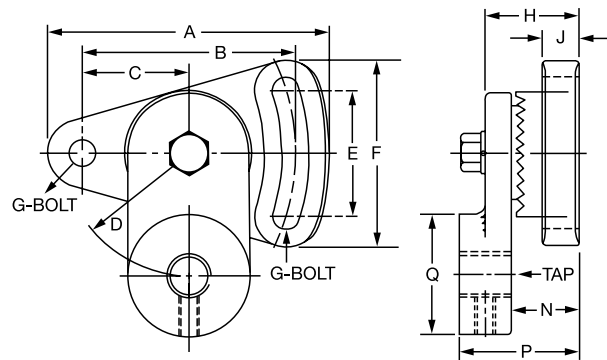
Bracket Specs

		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	1/2-13	1-14

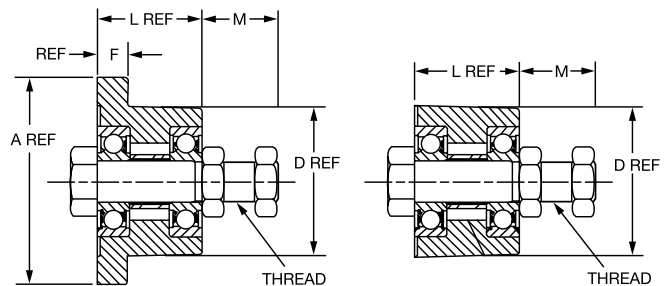
Bushing Specs

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
	D	1.88	2.18	2.81	2.81	3.13	3.83
	F	0.43	0.43	0.56	0.56	0.63	0.88
	L	1.31	1.81	1.94	1.94	2.08	2.75
	M	1.69	1.69	1.44	1.44	2.13	2.19
	Thd.	3/4-10	3/4-10	3/4-16	1-8	1-14	1-1/4 - 12
	Wt.	2.10	2.50	2.80	2.80	5.00	12.50
Bearings		6004	6204	6304	6206	6206	6306



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