

V-Belt Drives



 **TB Wood's**
Incorporated

An Altra Industrial Motion Company

TB Wood's

TB Wood's is an industry leading designer and manufacturer of mechanical power transmission equipment for industrial control. Our mechanical product lines include: clutch and brake, synchronous and belted variable speed drives; grid, disc, jaw, gear coupling and elastomeric coupling products; sheaves and bushings. Registered trademarks include Sure-Flex[®], Dura-Flex[®], G-Flex[®], and QT Bushings[®].

TB Wood's was founded in 1857 and began as a foundry producing wood burning stoves. Our company's tradition of product innovation started early. Wood's entered the power transmission industry at the turn of the century with the introduction of flat belted drives and line shafting.

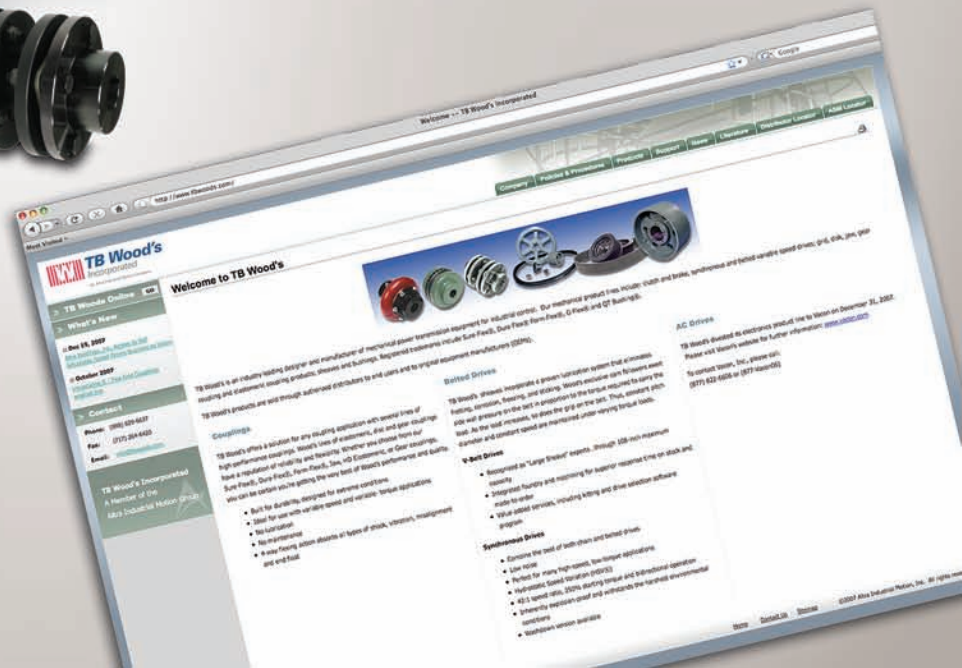
In April 2007, TB Wood's was purchased by Altra Holdings, Inc. This acquisition placed TB Wood's as part of a larger company with complementary products to help grow the business.



Altra Industrial Motion

Altra is a leading multinational designer, producer and marketer of a wide range of mechanical power transmission products. We sell our products in over 70 countries throughout the world. Our products are frequently used in critical applications, such as fail-safe brakes for elevators, wheelchairs and forklifts, and in high-volume manufacturing processes, where the reliability and accuracy of our products are critical in both avoiding costly down time and enhancing the overall efficiency of manufacturing operations.

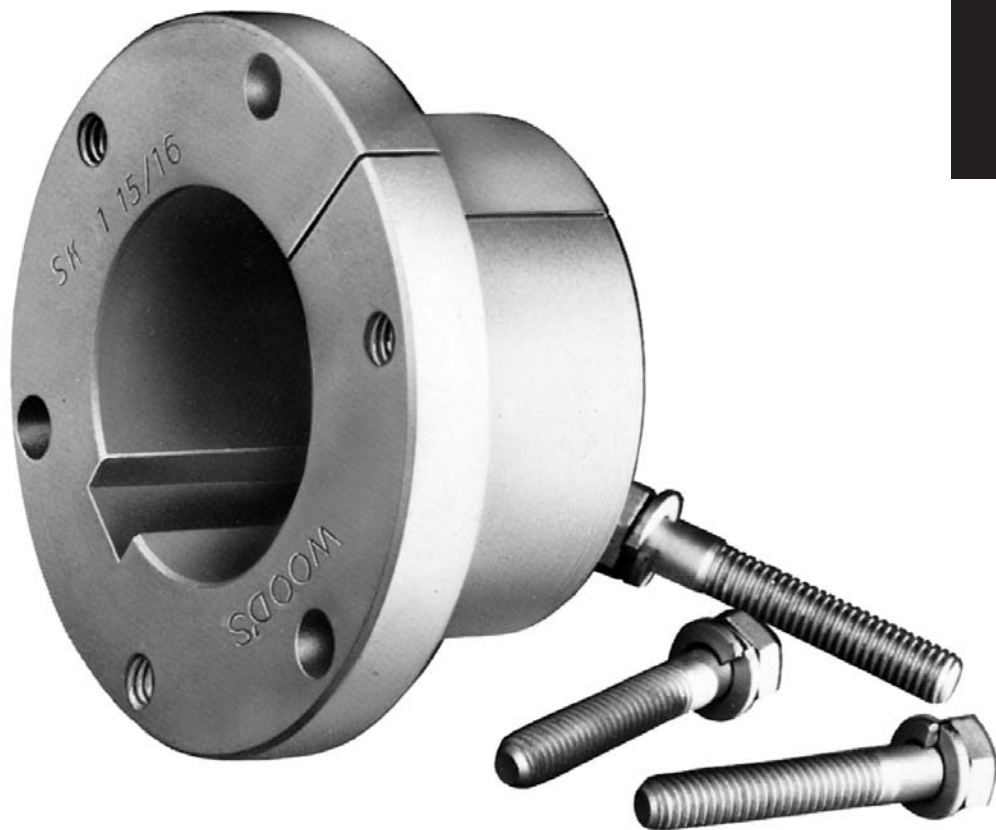
Our products are marketed under a variety of well recognized and established manufacturing brand names. These leading brands are Ameridrives, Boston Gear, Warner Electric, Formsprag Clutch, TB Wood's Incorporated, Industrial Clutch, Kilian Manufacturing, Marland Clutch, Nuttall Gear, Stieber Clutch, Twiflex Ltd, Huco Dynatork, Bibby Transmissions, Matrix International, Inertia Dynamics, Delroyd Worm Gear, Warner Linear and Wichita Clutch.



Visit us on the web at
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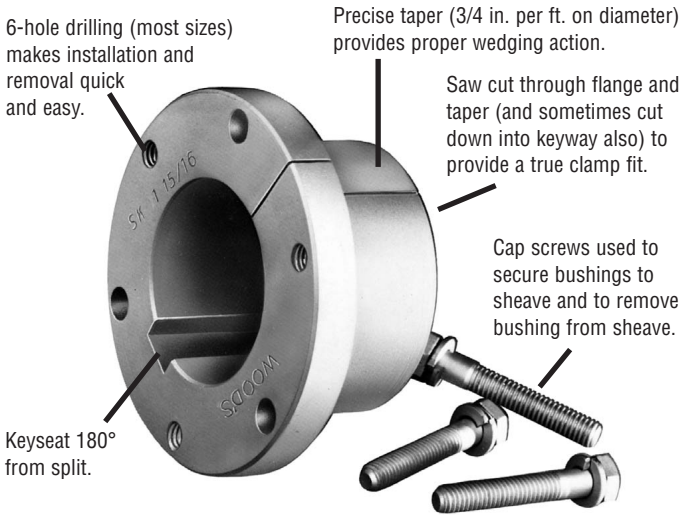
Wood's Sure-Grip™ QD Bushings

A1



- **Provide a True Clamp Fit**
- **Are Easy to Install and Remove**
- **Permit Four-Way Mounting**

Sure-Grip® “Quick Detachable” bushings are easy to install and remove. They are split through flange and taper to provide a true clamp on the shaft that is the equivalent of a shrink fit. All sizes except JA and QT have a setscrew over the key to help

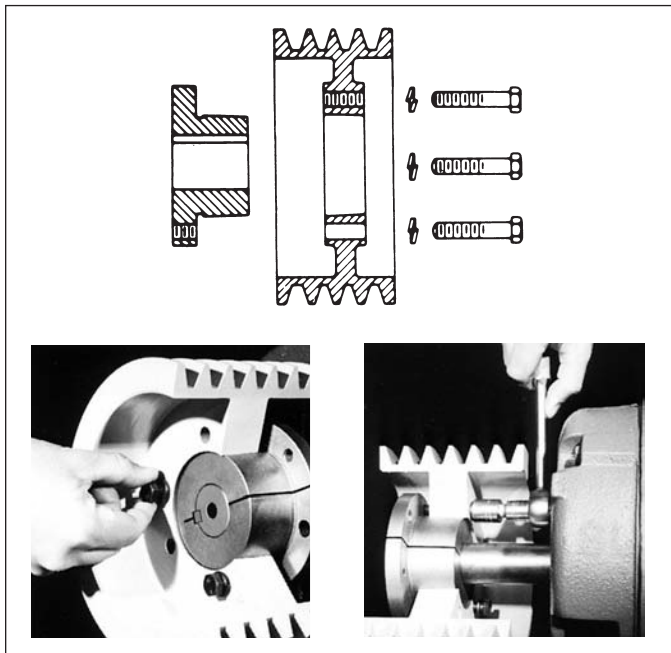


maintain the bushing's position on the shaft until the cap screws are securely tightened. Sure-Grip bushings have a very gradual taper (3/4-inch taper per ft. on the diameter) which is about half the inclined angle of many other bushings. The result is the Sure-Grip securely clamps the shaft, with twice the force of those competitive bushings, to provide extreme holding power.

Versatile Sure-Grip bushings permit the mounting of the same mating part on shafts of different diameters, and the mounting of different sheaves on the same shaft using the same bushing. Their interchangeability extends through sheaves, pulleys, timing pulleys, sprockets, flexible and rigid couplings, made-to-order items by Wood's, and to product lines of several other mechanical power transmission manufacturers.

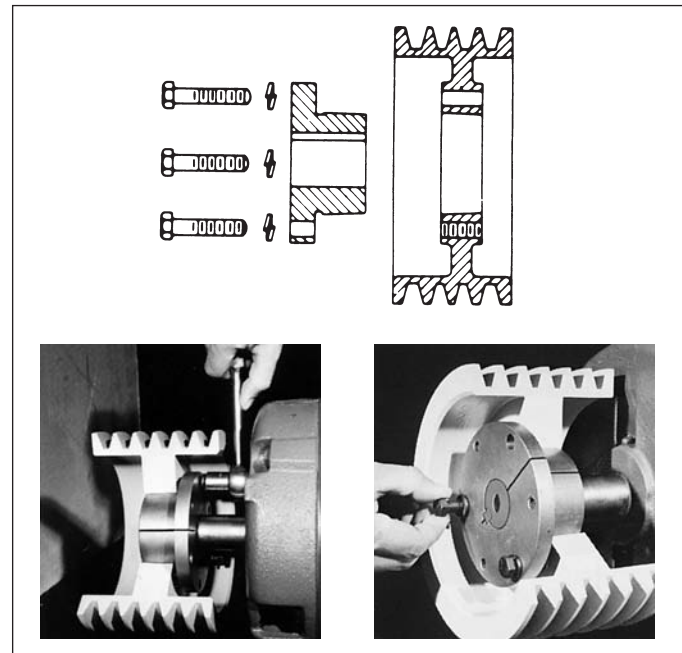
Sure-Grip bushings are manufactured with the drilled and tapped holes located at a precise distance from the keyseat; thus, a wide mating part having a bushing in each end can be mounted on a common shaft with the two keyways in line. This feature not only facilitates installation but also permits both bushings to carry an equal share of the load.

STANDARD MOUNTING



1. Cap screws from outside through drilled holes in the mating part and into threaded holes in the bushing flange located on the inside of the assembly. Or the complete assembly reversed on the shaft and;
2. Cap screws from inside through drilled holes in the mating part and into threaded holes in the bushing flange located on the outside of the assembly.

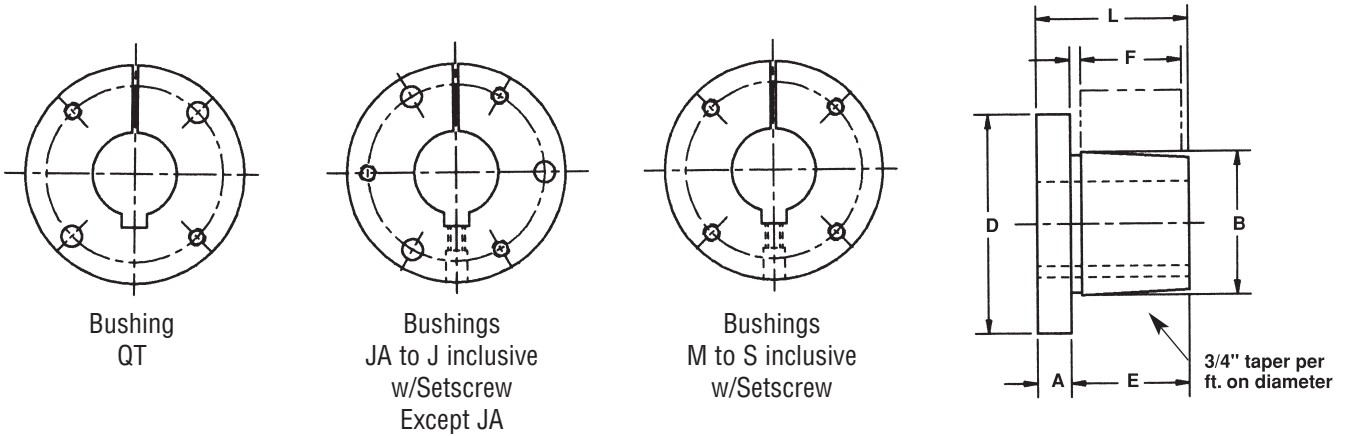
REVERSE MOUNTING



3. Cap screws from inside through drilled holes in the mating part and into threaded holes in the bushing flange located on the inside of the assembly and into threaded holes in the mating part.
4. Cap screws from outside through drilled holes in the bushing flange located on the outside of the assembly and into threaded holes in the mating part.

SURE-GRIP BUSHING DIMENSIONS

Sure-Grip bushings are designed to transmit the rated torque capacity listed in the table below when the cap screws are tightened as indicated. The bushings are stocked in all popular bore sizes, including metric bores, within the bore range for a particular bushing.



SURE-GRIP BUSHING TORQUE RATINGS AND DIMENSIONS

Bush.	Torque Capacity (In.-Lbs.)	(Note 1) Max. Bore	(Note 2) Max. Bore	DIMENSIONS IN INCHES						Bolt Circle	Cap Screws Required
				A	B	D	E	F*	L		
QT	1,750	1½	30	¼	1.625	2½	1	7/8	1¼	2	2-¼ x 1
JA	1,750	1¼	23	5/16	1.375	2	11/16	9/16	1	1 21/32	3 - #10 x 1
SH	3,500	1 5/8	36	3/8	1.871	2 11/16	7/8	13/16	1¼	2¼	3-¼ x 1 3/8
SDS	5,000	1 15/16	42	7/16	2.1875	3 3/16	7/8	3/4	1 5/16	2 11/16	3-¼ x 1 3/8
SD	5,000	1 15/16	42	7/16	2.1875	3 3/16	1 3/8	1¼	1 13/16	2 11/16	3-¼ x 1 7/8
SK	7,000	2 ½	56	½	2.8125	3 7/8	1 3/8	1¼	1 7/8	3 5/16	3-5/16 x 2
SF	11,000	2 15/16	63	½	3.125	4 5/8	1 ½	1¼	2	3 7/8	3-3/8 x 2
E	20,000	3 ½	78	¾	3.834	6	1 7/8	1 5/8	2 5/8	5	3-½ x 2 3/4
F	40,000	3 15/16	90	13/16	4.4375	6 5/8	2 13/16	2 ½	3 5/8	5 5/8	3-9/16 x 3 5/8
J	55,000	4 ½	105	1	5.1484	7 ¼	3 ½	3 3/16	4 ½	6 ¼	3-5/8 x 4 ½
M	125,000	5 ½	130	1 ¼	6.500	9 ½	5 ½	5 3/16	6 ¾	7 7/8	4-¾ x 6 ¾
N	150,000	6	140	1 ½	7.000	10	6 5/8	6 ¼	8 1/8	8 ½	4-7/8 x 8
P	250,000	7	160	1 ¾	8.250	11 ¾	7 5/8	7 ¼	9 3/8	10	4 - 1 x 9 ½
W	375,000	8 ½	200	2	10.437	15	9 3/8	9	11 3/8	12 ¾	4 - 1 ½ x 11 ½
S	625,000	10	240	3 ¼	12.125	17 ¾	12 ½	12	15 ¾	15	5 - 1 ¼ x 15 ½

* Mating hub length.

1. MAX INCH BORE WITH KEYSEAT.
2. MAX MM BORE WITH STANDARD KEYSEAT.

See pages A1-4 to A1-8 for Bore and Keyseat information and weights.

(Inches)

Sure-Grip Bushings are available from stock with all the bores and keyseats listed below. In some cases, as the bore increases in diameter, a shallow keyseat is provided—due to insufficient metal thickness. When this happens, Wood's furnishes the correct rectangular key to suit at no charge. This does not affect the bushing's ability to transmit the load. The rectangular key, or flat key as some call it, fits into the standard keyway in the shaft.

Product No.	Bore	Key Seat	Wt. (*)
QT BUSHINGS			
QTMPB	7/16	No KS	.6
QT12	1/2	1/8 x 1/16	.6
QT9/16	9/16	1/8 x 1/16	.6
QT58	5/8	3/16 x 3/32	.6
QT11/16	11/16	3/16 x 3/32	.6
QT34	3/4	3/16 x 3/32	.6
QT13/16	13/16	3/16 x 3/32	.6
QT78	7/8	3/16 x 3/32	.6
QT15/16	15/16	1/4 x 1/8	.6
QT1	1	1/4 x 1/8	.6
QT1116	1-1/16	1/4 x 1/8	.6
QT118	1-1/8	1/4 x 1/8	.6
QT1316	1-3/16	1/4 x 1/8	.6
QT114	1-1/4	1/4 x 1/8	.6
QT1516	1-5/16	5/16 x 1/16	.6
QT138	1-3/8	5/16 x 1/16	.6
QT1716	1-7/16	3/8 x 1/16	.6
QT112	1-1/2	3/8 x 1/16	.6
JA BUSHINGS			
JAMPB	1/2	No KS	.8
JA12	1/2	1/8 x 1/16	.8
JA9/16	9/16	1/8 x 1/16	.8
JA58	5/8	3/16 x 3/32	.8
JA11/16	11/16	3/16 x 3/32	.8
JA34	3/4	3/16 x 3/32	.8
JA13/16	13/16	3/16 x 3/32	.8
JA78	7/8	3/16 x 3/32	.8
JA15/16	15/16	1/4 x 1/8	.8
JA1	1	1/4 x 1/8	.8
JA1116	1-1/16	1/4 x 1/16	.8
JA118	1-1/8	1/4 x 1/16	.8
JA1316	1-3/16	1/4 x 1/16	.8
JA114	1-1/4	1/4 x 1/32	.8
SH BUSHINGS			
SHMPB	7/16	No KS	1.1
SH12	1/2	1/8 x 1/16	1.1
SH9/16	9/16	1/8 x 1/16	1.1
SH58	5/8	3/16 x 3/32	1.1
SH11/16	11/16	3/16 x 3/32	1.0
SH34	3/4	3/16 x 3/32	1.0
SH13/16	13/16	3/16 x 3/32	1.0
SH78	7/8	3/16 x 3/32	1.0
SH15/16	15/16	1/4 x 1/8	1.0
SH1	1	1/4 x 1/8	.9

Product No.	Bore	Key Seat	Wt. (*)
SH BUSHINGS (continued)			
SH1116	1-1/16	1/4 x 1/8	.9
SH118	1-1/8	1/4 x 1/8	.9
SH1316	1-3/16	1/4 x 1/8	.8
SH114	1-1/4	1/4 x 1/8	.8
SH1516	1-5/16	5/16 x 5/32	.7
SH138	1-3/8	5/16 x 5/32	.7
SH1716	1-7/16	3/8 x 1/16	.7
SH112	1-1/2	3/8 x 1/16	.6
SH1916	1-9/16	3/8 x 1/16	.6
SH158	1-5/8	3/8 x 1/16	.5
SH11116	1-11/16	No KS	.5
SDS BUSHINGS			
SDSMPB	7/16	No KS	1.7
SDS12	1/2	1/8 x 1/16	1.7
SDS9/16	9/16	1/8 x 1/16	1.7
SDS58	5/8	3/16 x 3/32	1.6
SDS11/16	11/16	3/16 x 3/32	1.6
SDS34	3/4	3/16 x 3/32	1.6
SDS13/16	13/16	3/16 x 3/32	1.6
SDS78	7/8	3/16 x 3/32	1.5
SDS15/16	15/16	1/4 x 1/8	1.5
SDS1	1	1/4 x 1/8	1.5
SDS1116	1-1/16	1/4 x 1/8	1.4
SDS118	1-1/8	1/4 x 1/8	1.4
SDS1316	1-3/16	1/4 x 1/8	1.4
SDS114	1-1/4	1/4 x 1/8	1.3
SDS1516	1-5/16	5/16 x 5/32	1.3
SDS138	1-3/8	5/16 x 5/32	1.2
SDS13838KS	1-3/8	3/8 x 3/16	1.2
SDS1716	1-7/16	3/8 x 3/16	1.2
SDS112	1-1/2	3/8 x 3/16	1.1
SDS1916	1-9/16	3/8 x 3/16	1.1
SDS158	1-5/8	3/8 x 3/16	1.0
SDS11116	1-11/16	3/8 x 3/16	1.0
SDS134	1-3/4	3/8 x 1/8	1.0
SDS11316	1-13/16	1/2 x 1/8	.9
SDS178	1-7/8	1/2 x 1/16	.9
SDS11516	1-15/16	1/2 x 1/16	.8
SDS2	2	No KS	.7
SD BUSHINGS			
SDMPB	7/16	No KS	2.1
SD12	1/2	1/8 x 1/16	2.1
SD9/16	9/16	1/8 x 1/16	2.1
SD58	5/8	3/16 x 3/32	2.1
SD11/16	11/16	3/16 x 3/32	2.0

Product No.	Bore	Key Seat	Wt. (*)
SD BUSHINGS (continued)			
SD34	3/4	3/16 x 3/32	2.0
SD13/16	13/16	3/16 x 3/32	2.0
SD78	7/8	3/16 x 3/32	1.9
SD15/16	15/16	1/4 x 1/8	1.9
SD1	1	1/4 x 1/8	1.8
SD1116	1-1/16	1/4 x 1/8	1.8
SD118	1-1/8	1/4 x 1/8	1.7
SD1316	1-3/16	1/4 x 1/8	1.7
SD114	1-1/4	1/4 x 1/8	1.6
SD1516	1-5/16	5/16 x 5/32	1.6
SD138	1-3/8	5/16 x 5/32	1.5
SD13838KS	1-3/8	3/8 x 3/16	1.5
SD1716	1-7/16	3/8 x 3/16	1.4
SD112	1-1/2	3/8 x 3/16	1.4
SD1916	1-9/16	3/8 x 3/16	1.3
SD158	1-5/8	3/8 x 3/16	1.2
SD11116	1-11/16	3/8 x 3/16	1.2
SD134	1-3/4	3/8 x 1/8	1.1
SD11316	1-13/16	1/2 x 1/8	1.1
SD178	1-7/8	1/2 x 1/16	1.0
SD11516	1-15/16	1/2 x 1/16	.9
SD2	2	No KS	.8
SK BUSHINGS			
SKMPB	7/16	No KS	3.6
SK12	1/2	1/8 x 1/16	3.6
SK9/16	9/16	1/8 x 1/16	3.6
SK58	5/8	3/16 x 3/32	3.6
SK11/16	11/16	3/16 x 3/32	3.5
SK34	3/4	3/16 x 3/32	3.5
SK13/16	13/16	3/16 x 3/32	3.5
SK78	7/8	3/16 x 3/32	3.4
SK15/16	15/16	1/4 x 1/8	3.4
SK1	1	1/4 x 1/8	3.3
SK1116	1-1/16	1/4 x 1/8	3.3
SK118	1-1/8	1/4 x 1/8	3.2
SK1316	1-3/16	1/4 x 1/8	3.2
SK114	1-1/4	1/4 x 1/8	3.1
SK1516	1-5/16	5/16 x 5/32	3.1
SK151638KS	1-5/16	3/8 x 3/16	3.1
SK138	1-3/8	5/16 x 5/32	3.0
SK13838KS	1-3/8	3/8 x 3/16	3.0
SK1716	1-7/16	3/8 x 3/16	2.9
SK112	1-1/2	3/8 x 3/16	2.9
SK1916	1-9/16	3/8 x 3/16	2.8
SK158	1-5/8	3/8 x 3/16	2.7
SK11116	1-11/16	3.8 x 3/16	2.6
SK134	1-3/4	3/8 x 3/16	2.5
SK13412KS	1-3/4	1/2 x 1/4	2.5

* Approximate weight in lbs.

MPB Bushings are unsplit.

(Continued—next page)

(Inches)

Product No.	Bore	Key Seat	Wt. (*)
J BUSHINGS (continued)			
J21516	2-15/16	3/4 x 3/8	21.9
J3	3	3/4 x 3/8	21.6
J318	3-1/8	3/4 x 3/8	20.9
J3316	3-3/16	3/4 x 3/8	20.5
J314	3-1/4	3/4 x 3/8	20.1
J3516	3-5/16	7/8 x 7/16	19.6
J338	3-3/8	7/8 x 7/16	19.3
J3716	3-7/16	7/8 x 7/16	18.9
J312	3-1/2	7/8 x 7/16	18.5
J358	3-5/8	7/8 x 7/16	17.7
J31116	3-11/16	7/8 x 7/16	17.2
J334	3-3/4	7/8 x 7/16	16.8
J31316	3-13/16	1 x 1/2	17.4
J378	3-7/8	1 x 3/8	17.0
J31516	3-15/16	1 x 3/8	16.5
J4	4	1 x 1/8	16.1
J418	4-1/8	1 x 1/8	15.2
J4316	4-3/16	1 x 1/8	14.7
J414	4-1/4	1 x 1/8	14.2
J438	4-3/8	1 x 1/8	13.2
J4716	4-7/16	1 x 1/8	12.7
J412	4-1/2	1 x 1/8	12.2
M BUSHINGS			
M11516	1-15/16	1/2 x 1/4	63.7
M2	2	1/2 x 1/4	63.3
M2316	2-3/16	1/2 x 1/4	62.3
M214	2-1/4	1/2 x 1/4	61.9
M238	2-3/8	5/8 x 5/16	61.0
M2716	2-7/16	5/8 x 5/16	60.6
M212	2-1/2	5/8 x 5/16	60.1
M258	2-5/8	5/8 x 5/16	59.3
M21116	2-11/16	5/8 x 5/16	58.8
M234	2-3/4	5/8 x 5/16	58.3
M278	2-7/8	3/4 x 3/8	57.2
M21516	2-15/16	3/4 x 3/8	56.7
M3	3	3/4 x 3/8	56.2
M318	3-1/8	3/4 x 3/8	55.2
M3316	3-3/16	3/4 x 3/8	54.6
M314	3-1/4	3/4 x 3/8	54.1
M338	3-3/8	7/8 x 7/16	52.8
M3716	3-7/16	7/8 x 7/16	52.2
M312	3-1/2	7/8 x 7/16	51.6
M358	3-5/8	7/8 x 7/16	50.4
M31116	3-11/16	7/8 x 7/16	49.7
M334	3-3/4	7/8 x 7/16	49.1
M378	3-7/8	1 x 1/2	47.6
M31516	3-15/16	1 x 1/2	46.9
M4	4	1 x 1/2	46.2
M418	4-1/8	1 x 1/2	44.8
M4316	4-3/16	1 x 1/2	44.1
M414	4-1/4	1 x 1/2	43.4
M438	4-3/8	1 x 1/2	41.9
M4716	4-7/16	1 x 1/2	41.2

Product No.	Bore	Key Seat	Wt. (*)
M BUSHINGS (continued)			
M412	4-1/2	1 x 1/2	40.4
M41116	4-11/16	1-1/4 x 5/8	37.5
M434	4-3/4	1-1/4 x 5/8	36.7
M478	4-7/8	1-1/4 x 1/4	37.8
M41516	4-15/16	1-1/4 x 1/4	37.0
M5	5	1-1/4 x 1/4	36.1
M5316	5-3/16	1-1/4 x 1/4	33.5
M514	5-1/4	1-1/4 x 1/4	32.6
M5716	5-7/16	1-1/4 x 1/4	29.9
M512	5-1/2	1-1/4 x 1/4	28.9
N BUSHINGS			
N21516	2-15/16	3/4 x 3/8	84.1
N3	3	3/4 x 3/8	83.5
N338	3-3/8	7/8 x 7/16	79.3
N3716	3-7/16	7/8 x 7/16	78.6
N312	3-1/2	7/8 x 7/16	77.9
N358	3-5/8	7/8 x 7/16	76.4
N334	3-3/4	7/8 x 7/16	74.9
N378	3-7/8	1 x 1/2	73.1
N31516	3-15/16	1 x 1/2	72.3
N4	4	1 x 1/2	71.5
N4316	4-3/16	1 x 1/2	68.9
N414	4-1/4	1 x 1/2	68.1
N438	4-3/8	1 x 1/2	66.3
N4716	4-7/16	1 x 1/2	65.4
N412	4-1/2	1 x 1/2	64.5
N458	4-5/8	1-1/4 x 5/8	62.0
N434	4-3/4	1-1/4 x 5/8	60.0
N478	4-7/8	1-1/4 x 5/8	58.1
N41516	4-15/16	1-1/4 x 5/8	57.0
N5	5	1-1/4 x 5/8	56.0
N5316	5-3/16	1-1/4 x 1/4	56.1
N5716	5-7/16	1-1/4 x 1/4	51.7
N512	5-1/2	1-1/4 x 1/4	50.6
N578	5-7/8	1-1/2 x 1/4	44.3
N51516	5-15/16	1-1/2 x 1/8	43.9
P BUSHINGS			
P21516	2-15/16	3/4 x 3/8	141.2
P314	3-1/4	3/4 x 3/8	137.6
P3716	3-7/16	7/8 x 7/16	134.9
P312	3-1/2	7/8 x 7/16	134.1
P358	3-5/8	7/8 x 7/16	132.4
P334	3-3/4	7/8 x 7/16	130.6
P378	3-7/8	1 x 1/2	128.5
P31516	3-15/16	1 x 1/2	127.6
P4	4	1 x 1/2	126.7
P414	4-1/4	1 x 1/2	122.7
P438	4-3/8	1 x 1/2	120.7
P4716	4-7/16	1 x 1/2	119.6
P412	4-1/2	1 x 1/2	118.6
P458	4-5/8	1-1/4 x 5/8	115.7
P41116	4-11/16	1-1/4 x 5/8	114.6

Product No.	Bore	Key Seat	Wt. (*)
P BUSHINGS (continued)			
P434	4-3/4	1-1/4 x 5/8	113.5
P478	4-7/8	1-1/4 x 5/8	111.2
P41516	4-15/16	1-1/4 x 5/8	110.0
P5	5	1-1/4 x 5/8	108.8
P5316	5-3/16	1-1/4 x 5/8	105.2
P514	5-1/4	1-1/4 x 5/8	103.9
P5516	5-5/16	1-1/4 x 5/8	102.7
P538	5-3/8	1-1/4 x 5/8	101.4
P5716	5-7/16	1-1/4 x 5/8	100.1
P512	5-1/2	1-1/4 x 5/8	98.8
P534	5-3/4	1-1/2 x 3/4	98.1
P578	5-7/8	1-1/2 x 3/4	95.3
P51516	5-15/16	1-1/2 x 3/4	93.9
P6	6	1-1/2 x 1/4	92.5
P6116	6-1/16	1-1/2 x 1/4	91.0
P614	6-1/4	1-1/2 x 1/4	86.6
P6716	6-7/16	1-1/2 x 1/4	83.5
P612	6-1/2	1-1/2 x 1/4	80.5
P634	6-3/4	1-3/4 x 1/8	74.7
P7	7	1-3/4 x 1/8	68.1
W BUSHINGS			
W414MPB	4-1/4	...	247.0
W478MPB	4-7/8	...	234.0
W514MPB	5-1/4	...	225.0
W578MPB	5-7/8	...	209.0
W612MPB	6-1/2	...	191.0
W714MPB	7-1/4	...	167.0
S BUSHINGS			
S6MPB	6	...	445.0
S8MPB	8	...	356.0
S9MPB	9	...	301.0

MPB bushings are unsplit.

* Approximate weight in lbs.

SURE-GRIP BUSHINGS (INCHES) WITH METRIC BORE AND KEYSEAT

BORE AND KEY INFORMATION

Product No.	Bore (mm)	Key ■	Wt. (*)
QT BUSHINGS			
QT14MM	14	5 x 5	.6
QT15MM	15	5 x 5	.6
QT16MM	16	5 x 5	.6
QT18MM	18	6 x 6	.6
QT19MM	19	6 x 6	.6
QT20MM	20	6 x 6	.6
QT22MM	22	6 x 6	.6
QT24MM	24	8 x 7	.6
QT25MM	25	8 x 7	.6
QT28MM	28	8 x 7	.6
QT30MM	30	8 x 7	.6
QT32MM	32	10 x 6†	.6
QT35MM	35	10 x 6†	.6
QT38MM	38	10 x 6†	.6
JA BUSHINGS			
JA15MM	15	5 x 5	.8
JA16MM	16	5 x 5	.8
JA19MM	19	6 x 6	.8
JA20MM	20	6 x 6	.8
JA24MM	24	8 x 6†	.8
JA25MM	25	8 x 6†	.8
JA28MM	28	8 x 5†	.8
SH BUSHINGS			
SH24MM	24	8 x 7	.9
SH25MM	25	8 x 7	.9
SH28MM	28	8 x 7	.9
SH30MM	30	8 x 7	.8
SH32MM	32	10 x 8	.8
SH35MM	35	10 x 8	.7
SDS BUSHINGS			
SDS24MM	24	8 x 7	1.5
SDS25MM	25	8 x 7	1.5
SDS28MM	28	8 x 7	1.4
SDS30MM	30	8 x 7	1.4
SDS32MM	32	10 x 8	1.3
SDS35MM	35	10 x 8	1.2
SDS38MM	38	10 x 8	1.1
SDS40MM	40	12 x 8	1.1
SDS42MM	42	12 x 8	1.0
SD BUSHINGS			
SD24MM	24	8 x 7	1.8
SD25MM	25	8 x 7	1.8
SD28MM	28	8 x 7	1.7
SD30MM	30	8 x 7	1.7
SD32MM	32	10 x 8	1.6
SD35MM	35	10 x 8	1.5
SD38MM	38	10 x 8	1.4
SD40MM	40	12 x 8	1.3
SD42MM	42	12 x 8	1.2

Product No.	Bore (mm)	Key ■	Wt. (*)
SK BUSHINGS			
SK24MM	24	8 x 7	3.3
SK25MM	25	8 x 7	3.3
SK28MM	28	8 x 7	3.2
SK30MM	30	8 x 7	3.2
SK32MM	32	10 x 8	3.1
SK35MM	35	10 x 8	3.0
SK38MM	38	10 x 8	2.9
SK40MM	40	12 x 8	3.6
SK42MM	42	12 x 8	2.7
SK45MM	45	14 x 9	2.6
SK48MM	48	14 x 9	2.4
SK50MM	50	14 x 9	2.3
SK55MM	55	16 x 10	2.0
SF BUSHINGS			
SF28MM	28	8 x 7	4.7
SF30MM	30	8 x 7	4.6
SF32MM	32	10 x 8	4.5
SF35MM	35	10 x 8	4.4
SF38MM	38	10 x 8	4.2
SF40MM	40	12 x 8	4.2
SF42MM	42	12 x 8	4.1
SF45MM	45	14 x 9	3.9
SF48MM	48	14 x 9	3.7
SF50MM	50	14 x 9	3.6
SF55MM	55	16 x 10	3.2
SF60MM	60	18 x 11	3.0
SF65MM	65	18 x 8 †	2.6
E BUSHINGS			
E35MM	35	10 x 8	10.2
E38MM	38	10 x 8	10.0
E40MM	40	12 x 8	9.9
E42MM	42	12 x 8	9.8
E45MM	45	14 x 9	9.6
E48MM	48	14 x 9	9.3
E50MM	50	14 x 9	9.2
E55MM	55	16 x 10	8.6
E60MM	60	18 x 11	8.1
E65MM	65	18 x 11	7.6
E70MM	70	20 x 12	7.1
E75MM	75	20 x 12	6.9
E80MM	80	22 x 11†	6.3

Product No.	Bore (mm)	Key ■	Wt. (*)
F BUSHINGS			
F45MM	45	14 x 9	16.2
F48MM	48	14 x 9	16.0
F50MM	50	14 x 9	15.8
F55MM	55	16 x 10	15.0
F60MM	60	18 x 11	14.3
F65MM	65	18 x 11	13.7
F70MM	70	20 x 12	12.9
F75MM	75	20 x 12	12.1
F80MM	80	22 x 14	11.2
F85MM	85	22 x 14	10.6
F90MM	90	25 x 14	9.7
J BUSHINGS			
J50MM	50	14 x 9	26.5
J55MM	55	16 x 10	25.6
J60MM	60	18 x 11	24.7
J65MM	65	18 x 11	23.9
J70MM	70	20 x 12	23.0
J75MM	75	20 x 12	21.9
J80MM	80	22 x 14	20.9
J85MM	85	22 x 14	19.3
J90MM	90	25 x 14	18.1
J95MM	95	25 x 14	16.8
J100MM	100	28 x 16	16.5
M BUSHINGS			
M80MM	80	22 x 14	55.0
M90MM	90	25 x 14	51.2
M100MM	100	28 x 16	46.9
M120MM	120	32 x 18	37.0
N BUSHINGS			
N100MM	100	28 x 16	72.3
N120MM	120	32 x 18	60.2
P BUSHINGS			
P150MM	150	36 x 20	95.8

* Approximate weight in lbs.

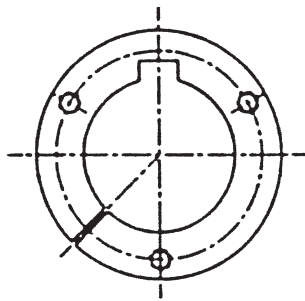
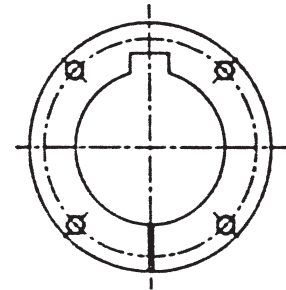
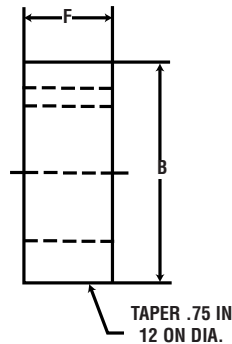
■ The metric system does not refer to keyseat or keyway dimensions as does the English system; instead, dimensions are given for the key itself, which is rectangular in shape and not square as in the English system. This meets ISO standards.

† SHALLOW KEY FURNISHED

“L” SERIES FLANGELESS BUSHINGS

Bush.	Torque Capacity (In.-Lbs.)	Type Material	Max. Bore (In.)	Max. Bore† (mm)	Dimensions in Inches		Bolt Circle	Capscrews Required
					B	F		
SKL	7,000	D.I.	1-15/16	50	2.8125	1-1/8	2-3/8	3-1/4 x 1-1/2
SFL	11,000	D.I.	2-3/8	60	3.1250	1-1/8	2-3/4	4-1/4 x 1-1/2
EL	20,000	D.I.	2-7/8	73	3.8340	1-1/2	3-3/8	4-5/16 x 1-3/4
FL	45,000	D.I.	3-1/8	80	4.4375	2-3/8	3-3/4	4-3/8 x 2

† MAX BORE WITH STANDARD KEYSEAT.


BUSHING SKL

BUSHINGS SFL TO FL

Patent No. 5304101

To Install:
IMPORTANT: DO NOT USE LUBRICANTS IN THIS INSTALLATION

1. Inspect shafts, bushing, and mating hub. Remove all nicks, paint, dirt, grease, etc. from mating surfaces.
2. Place key in shaft's keyseat.
3. Slide bushing onto shaft and key. **Small End of Taper Must Be Outboard.**
4. Slide tapered mating hub over bushing. Align (1) the shaft key with one of the slots in the mating hub and (2) the drilled holes in mating hub with the threaded holes in the bushing.
5. Put lockwashers on cap screws and insert one cap screw thru each drilled hole in the mating hub and into the threaded hole in the bushing.
6. **Use a Torque Wrench.** Tighten all cap screws evenly and progressively in rotation. Torque around all the cap screws as often as necessary until the listed torque value remains on each cap screw.

BUSHING	TORQUE (Ft.-Lbs.)
SKL	15
SFL	15
EL	30
FL	55

CAUTION

The use of lubricants or excessive wrench torques may cause hub stresses high enough to break the mating hub!

To Remove:

1. Loosen and remove all cap screws from assembly.
2. Install one cap screw in each threaded hole in the mating hub.
3. Evenly torque each cap screw in rotation to force the mating hub off the bushing.

SURE-GRIP BUSHINGS BORE AND KEYSEAT DIMENSIONS



An Altra Industrial Motion Company

“L” SERIES FLANGELESS BUSHINGS

(Inches)

Product No.	Bore	Key Seat	Wt. (*)
SKL BUSHINGS			
SKLMPB	1/2	MPB*	1.7
SKL12	1/2	1/8 x 1/16	1.7
SKL58	5/8	3/16 x 3/32	1.7
SKL34	3/4	3/16 x 3/32	1.6
SKL78	7/8	3/16 x 3/32	1.6
SKL15/16	15/16	1/4 x 1/8	1.6
SKL1	1	1/4 x 1/8	1.6
SKL118	1-1/8	1/4 x 1/8	1.5
SKL1316	1-3/16	1/4 x 1/8	1.4
SKL114	1-1/4	1/4 x 1/8	1.4
SKL1516	1-5/16	5/16 x 5/32	1.3
SKL138	1-3/8	5/16 x 5/32	1.3
SKL1716	1-7/16	3/8 x 3/16	1.2
SKL112	1-1/2	3/8 x 3/16	1.2
SKL1916	1-9/16	3/8 x 3/16	1.2
SKL158	1-5/8	3/8 x 3/16	1.1
SKL11116	1-11/16	3/8 x 3/16	1.1
SKL134	1-3/4	3/8 x 3/16	1.0
SKL11316	1-13/16	1/2 x 1/4	1.0
SKL178	1-7/8	1/2 x 1/4	.9
SKL11516	1-15/16	1/2 x 1/4	.8

* Approximate weight in lbs.

MPB bushings are unsplit.

SFL BUSHINGS			
SFLMPB	1/2	MPB*	2.1
SFL12	1/2	1/8 x 1/16	2.1
SFL58	5/8	3/16 x 3/32	2.1
SFL34	3/4	3/16 x 3/32	2.0
SFL78	7/8	3/16 x 3/32	2.0
SFL15/16	15/16	1/4 x 1/8	2.0
SFL1	1	1/4 x 1/8	2.0
SFL118	1-1/8	1/4 x 1/8	1.9
SFL1316	1-3/16	1/4 x 1/8	1.8
SFL114	1-1/4	1/4 x 1/8	1.8
SFL1516	1-5/16	5/16 x 5/32	1.7
SFL138	1-3/8	5/16 x 5/32	1.7
SFL1716	1-7/16	3/8 x 3/16	1.6

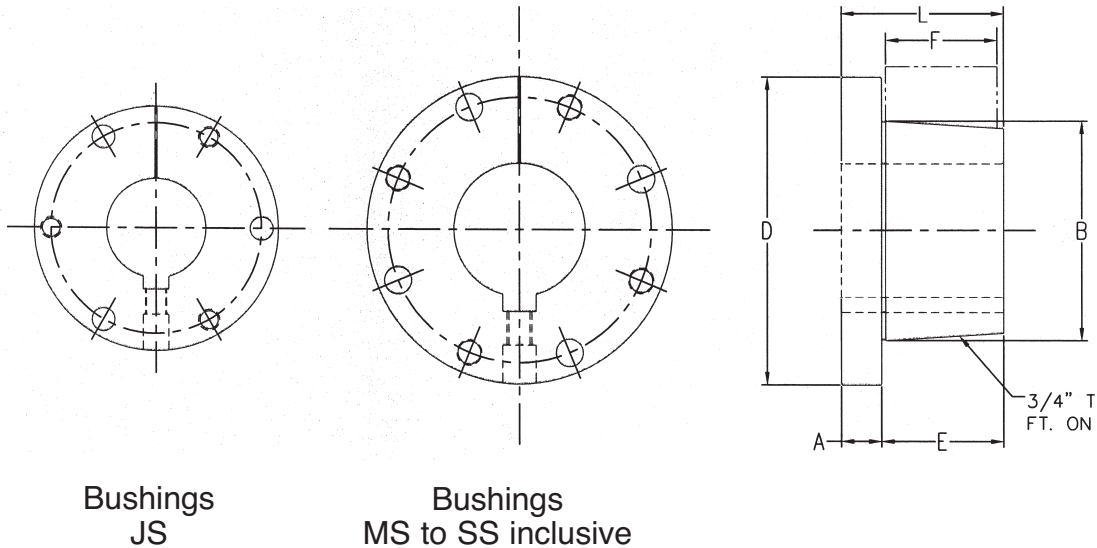
Product No.	Bore	Key Seat	Wt. (*)
SFL BUSHINGS			
SFL112	1-1/2	3/8 x 3/16	1.6
SFL1916	1-9/16	3/8 x 3/16	1.5
SFL158	1-5/8	3/8 x 3/16	1.5
SFL11116	1-11/16	3/8 x 3/16	1.4
SFL134	1-3/4	3/8 x 3/16	1.4
SFL11316	1-13/16	1/2 x 1/4	1.4
SFL178	1-7/8	1/2 x 1/4	1.3
SFL11516	1-15/16	1/2 x 1/4	1.3
SFL2	2	1/2 x 1/4	1.2
SFL218	2-1/8	1/2 x 1/4	1.1
SFL2316	2-3/16	1/2 x 1/4	1.0
SFL214	2-1/4	1/2 x 1/4	1.0
SFL2516	2-5/16	5/8 x 5/16	.9
SFL238	2-3/8	5/8 x 5/16	.9

EL BUSHINGS			
ELMPB	7/8	MPB*	4.1
EL78	7/8	3/16 x 3/32	4.1
EL15/16	15/16	1/4 x 1/8	4.0
EL1	1	1/4 x 1/8	3.9
EL118	1-1/8	1/4 x 1/8	3.8
EL1316	1-3/16	1/4 x 1/8	3.8
EL114	1-1/4	1/4 x 1/8	3.7
EL1516	1-5/16	5/16 x 5/32	3.6
EL138	1-3/8	5/16 x 5/32	3.6
EL1716	1-7/16	3/8 x 3/16	3.5
EL112	1-1/2	3/8 x 3/16	3.5
EL1916	1-9/16	3/8 x 3/16	3.4
EL158	1-5/8	3/8 x 3/16	3.4
EL11116	1-11/16	3/8 x 3/16	3.3
EL134	1-3/4	3/8 x 3/16	3.2
EL11316	1-13/16	1/2 x 1/4	3.2
EL178	1-7/8	1/2 x 1/4	3.1
EL11516	1-15/16	1/2 x 1/4	3.0
EL2	2	1/2 x 1/4	3.0
EL218	2-1/8	1/2 x 1/4	2.9
EL2316	2-3/16	1/2 x 1/4	2.8
EL214	2-1/4	1/2 x 1/4	2.7
EL2516	2-5/16	5/8 x 5/16	2.6
EL238	2-3/8	5/8 x 5/16	2.5
EL2716	2-7/16	5/8 x 5/16	2.4

Product No.	Bore	Key Seat	Wt. (*)
EL BUSHINGS			
EL212	2-1/2	5/8 x 5/16	2.3
EL2916	2-9/16	5/8 x 5/16	2.3
EL258	2-5/8	5/8 x 5/16	2.2
EL21116	2-11/16	5/8 x 5/16	2.1
EL234	2-3/4	5/8 x 5/16	2.0
EL21316	2-13/16	3/4 x 3/8	1.9
EL278	2-7/8	3/4 x 3/8	1.8

FL BUSHINGS			
FLMPB	1	MPB*	8.5
FL1	1	1/4 x 1/8	8.5
FL118	1-1/8	1/4 x 1/8	8.3
FL1316	1-3/16	1/4 x 1/8	8.2
FL114	1-1/4	1/4 x 1/8	8.1
FL138	1-3/8	5/16 x 5/32	8.0
FL1716	1-7/16	3/8 x 3/16	7.9
FL112	1-1/2	3/8 x 3/16	7.8
FL1916	1-9/16	3/8 x 3/16	7.6
FL158	1-5/8	3/8 x 3/16	7.5
FL11116	1-11/16	3/8 x 3/16	7.4
FL134	1-3/4	3/8 x 3/16	7.3
FL178	1-7/8	1/2 x 1/4	7.1
FL11516	1-15/16	1/2 x 1/4	7.0
FL2	2	1/2 x 1/4	6.7
FL218	2-1/8	1/2 x 1/4	6.6
FL2316	2-3/16	1/2 x 1/4	6.5
FL214	2-1/4	1/2 x 1/4	6.4
FL2516	2-5/16	5/8 x 5/16	6.3
FL238	2-3/8	5/8 x 5/16	6.2
FL2716	2-7/16	5/8 x 5/16	6.1
FL212	2-1/2	5/8 x 5/16	5.9
FL2916	2-9/16	5/8 x 5/16	5.7
FL258	2-5/8	5/8 x 5/16	5.6
FL21116	2-11/16	5/8 x 5/16	5.4
FL234	2-3/4	5/8 x 5/16	5.3
FL21316	2-13/16	3/4 x 3/8	5.1
FL278	2-7/8	3/4 x 3/8	4.9
FL21516	2-15/16	3/4 x 3/8	4.8
FL3	3	3/4 x 3/8	4.6
FL318	3-1/8	3/4 x 3/8	4.5

Sure-Grip bushings are designed to transmit the rated torque capacity listed in the table below when the cap screws are tightened as indicated. The bushings are stocked in all popular bore sizes, including metric bores, within bore range for a particular bushing.



SURE-GRIP SHORT BUSHING TORQUE RATINGS AND DIMENSIONS

Bush.	Torque Capacity (In.-Lbs.)	Max Bore	DIMENSIONS IN INCHES					Bolt Circle	Cap Screws Required
			A	B	D	E	L		
JS	55,000	4-1/2	1	5.1484	7-1/4	2-3/8	3-3/8	6-1/4	3-5/8 x 2-1/2
MS	125,000	5-1/2	1-3/16	6.500	9-1/8	3-5/8	4-13/16	7-7/8	4-3/4 x 3
NS	150,000	6	1-1/2	7.000	10	4-1/2	6	8-1/2	4-7/8 x 3-1/2
PS	250,000	7	1-1/2	8.250	11-3/4	5	6-1/2	10	4 - 1 x 4
WS	375,000	8-1/2	1-3/4	10.437	15	5-1/2	7-1/4	12-3/4	4 - 1-1/8 x 5
SS	625,000	10	2	12.125	17-3/4	6-3/4	8-3/4	15	5 - 1-1/4 x 5

Setscrew not standard – Available as alteration.

See page A1-11 for Bore and Keyseat information and weights.

SURE-GRIP SHORT BUSHINGS BORE AND KEYSEAT DIMENSIONS

(Inches)

Product No.	Bore	Key Seat	Wt. (*)
JS BUSHINGS			
JS2716	2- 7/16	5/8 X 5/16	20.0
JS21516	2-15/16	3/4 X 3/8	18.1
JS3716	3- 7/16	7/8 X 7/16	15.9
JS31516	3-15/16	1 X 1/4	14.3
JS4716	4- 7/16	1 X 1/8	11.5

Product No.	Bore	Key Seat	Wt. (*)
MS BUSHINGS			
MS3716	3- 7/16	7/8 X 7/16	41.2
MS31516	3-15/16	1 X 1/2	37.3
MS4716	4- 7/16	1 X 1/2	33.3
MS41516	4-15/16	1-1/4 X 1/4	30.9
MS5716	5- 7/16	1-1/4 X 1/4	25.9

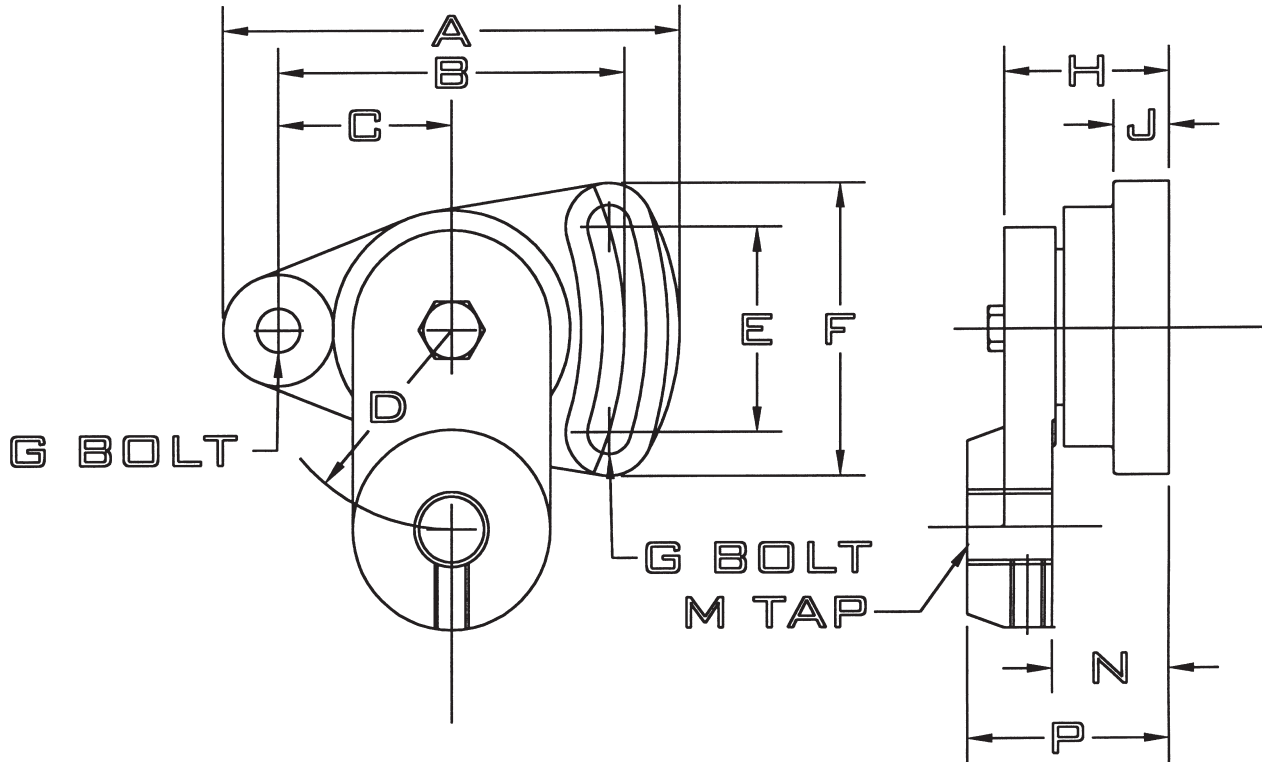
Product No.	Bore	Key Seat	Wt. (*)
NS BUSHINGS			
NS31516	3-15/16	1 X 1/2	66.3
NS4716	4- 7/16	1 X 1/2	52.5
NS41516	4-15/16	1-1/4 X 5/8	46.5
NS5716	5- 7/16	1-1/4 X 1/4	43.9
NS51516	5-15/16	1-1/2 X 1/8	39.0
NS6	6	1-1/2 X 1/8	38.8

Product No.	Bore	Key Seat	Wt. (*)
PS BUSHINGS			
PS41516	4-15/16	1-1/4 X 5/8	88.3
PS5716	5- 7/16	1-1/4 X 5/8	81.3
PS51516	5-15/16	1-1/2 X 3/4	78.4
PS6	6	1-1/2 X 3/4	77.4
PS6716	6- 7/16	1-1/2 X 1/2	70.0
PS612	6- 1/2	1-1/2 X 1/2	69.0
PS61516	6-15/16	1-3/4 X 1/8	61.3
PS7	7	1-3/4 X 1/8	60.4

Product No.	Bore	Key Seat	Wt. (*)
WS BUSHINGS			
WS5716	5- 7/16	1-1/4 X 5/8	172.3
WS51516	5-15/16	1-1/2 X 3/4	161.1
WS6716	6- 7/16	1-1/2 X 3/4	155.0
WS612	6- 1/2	1-1/2 X 3/4	153.0
WS61516	6-15/16	1-3/4 X 3/4	140.0
WS7	7	1-3/4 X 3/4	139.0
WS712	7- 1/2	1-3/4 X 3/4	137.0
WS71516	7-15/16	2 X 3/4	126.9
WS8 8	2 X 3/4	124.0	
WS8716	8- 7/16	2 X 1/4	107.3
WS812	8- 1/2	2 X 1/4	105.0

* Approximate weight in lbs.

DOUBLE ADJUSTMENT TENSIONER BELT DRIVE OR CHAIN TENSIONER



Product Number	DIMENSIONS IN INCHES												Weight Lbs.
	A	B	C	D	E	F	G	H	J	M	N	P	
DAM	4.62	3.50	1.75	2.00	2.06	3.06	.375	1.63	.62	3/4-10	1.16	2.01	3.0
DAL	6.94	5.25	2.63	5.00	3.00	4.56	.625	2.38	.88	1"-8	1.68	2.94	9.5

The Double Adjustment tensioner (Type DA) permits a full 360 degree rotation of the idler. A second adjustment is obtained by the long slot in the base. The arm is locked in place with an ingenious use of a tapered fit. Tensioning of a drive should follow the installation guideline for the type of drive in question.

SURE-GRIP IDLER BUSHINGS



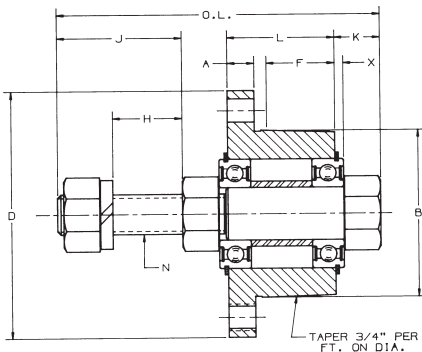
An Altra Industrial Motion Company

FOR USE WITH SHEAVES, PULLEYS, SPROCKETS, GEARS OR OTHER PRODUCTS DESIGNED FOR QD-TYPE BUSHINGS



Wood's Sure-Grip Idler Bushings are designed to accommodate stock V-belt sheaves, flat-belt or Timing-belt pulleys, roller or silent chain sprockets, gears or other products that use QD*-type bushings. They are equipped with two, permanently lubricated, ball-bearing units for long, smooth, trouble-free performance. Installation is made simply by slipping the threaded shaft through a hole bored in the support structure and tightening the locking nut. Sheaves, pulleys or other products can be removed without dismantling the idler bushing. These idler units are available with SH, SD, SK, SF or E Sure-Grip bushings. Wood's Sure-Grip bushings are of the most widely used, tapered, interchangeable type.

* U.S.T.M. Reg. No. 403,470 Can. T.M. Reg. No. 113,711



Product No.	DIMENSIONS										Wt. (Lbs.)	
	A	B	D	F	H	J	K	L	N	O.L.		X
SHBB	0.38	1.871	2.69	0.75	.53	0.98	0.44	1.25	1/2-13NC	3.13	.12	1.5
SDBB	0.44	2.187	3.19	1.25	.72	1.17	0.44	1.81	1/2-13NC	3.88	.12	2.5
SDBB58	0.44	2.187	3.19	1.25	.57	1.12	0.44	1.81	5/8-11NC	3.88	.12	2.7
SKBB	0.50	2.812	3.88	1.25	.85	1.42	0.62	1.88	3/4-10NC	4.50	.14	4.5
SFBB	0.50	3.125	4.63	1.38	.73	1.29	0.62	2.00	3/4-10NC	4.50	.14	8.0
SFBB1	0.50	3.125	4.63	1.38	1.08	1.91	0.62	2.00	1"-8NC	5.25	.14	8.6
EBB	0.75	3.834	6.00	1.63	1.11	2.30	0.97	2.63	1-3/8-6NC	6.88	.19	12.0

Equivalent Load Rating (lbs.)

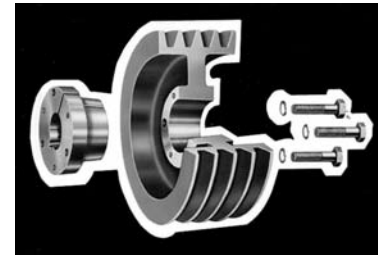
Hours Life	Product No.	Basic Rating	RPM					
			500	1000	2000	3000	4000	5000
1000	SHBB	3320	1068	848	673	588	534	496
	SKBB	4860	1564	1241	985	861	782	726
	SFBB	4860	1564	1241	985	861	782	726
	EBB	10100	3250	2580	2048	1789	1625	1509
2000	SHBB	3320	848	673	534	467	424	394
	SDBB	3320	848	673	534	467	424	394
	SKBB	4860	1241	985	782	683	621	576
	SFBB	4860	1241	985	782	683	621	576
	EBB	10100	2580	2048	1625	1420	1290	1197
6000	SHBB	3320	588	467	370	324	294	273
	SDBB	3320	588	467	370	324	294	273
	SKBB	4860	861	683	542	474	430	400
	SFBB	4860	861	683	542	474	430	400
	EBB	10100	1789	1420	1127	984	894	830

Note: The basic rating is the maximum dynamic radial load which will allow a 90% survival rate when running at 33-1/3 RPM for 500 hours.

$$\text{Equivalent Rating} = \sqrt[3]{\frac{\text{Basic Rating}}{\text{Hours} \times 60 \times \text{RPM} / 1,000,000}}$$

$$\text{Hours} = \frac{\text{Basic Rating}^3 \times 1,000,000}{\text{Load (Lbs.)}^3 \times 60 \times \text{RPM}}$$

SURE-GRIP BUSHINGS INSTALLATION INSTRUCTIONS



The Sure-Grip tapered, QD-type interchangeable bushing offers flexible and easy installation while providing exceptional holding power. To ensure that the bushing performs as specified, it must be installed properly.

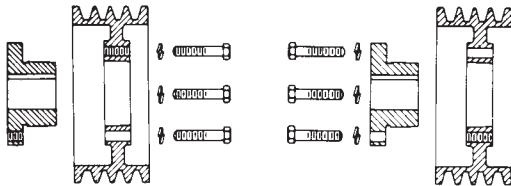
Before beginning, make sure the correct size and quantity of parts are available for the installation. The bushing has been manufactured to accept a setscrew over the key and its use is optional. It is packaged with the hardware on sizes SH to M and loosely installed in the bushing on sizes N to S.

To Install:

IMPORTANT:

DO NOT USE LUBRICANTS IN THIS INSTALLATION!

1. Inspect the tapered bore of the sheave and the tapered surface of the bushing. Any paint, dirt, oil, or grease **MUST** be removed.
2. Select the type of mounting (See Fig. 1 or 2) that best suits your application.

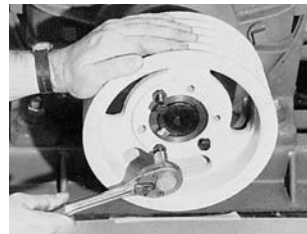


3. **STANDARD MOUNTING:** Install shaft key. (Note: If key was furnished with bushing, you must use that key.) Install bushing on clean shaft, flange end first. If bushing will not freely slide on the shaft, insert a screwdriver or similar object into the flange sawcut to act as a wedge to open the bushing's bore. **Caution: Excessive wedging will split the bushing.** If using the setscrew, tighten it just enough to prevent the bushing from sliding on the shaft. **Caution: Do not over-tighten setscrew!** Slide sheave into position on bushing aligning the drilled holes in the sheave with the tapped holes in the bushing flange. (Note: Install M thru S bushings so that the two tapped holes in the sheave are located as far away as possible from the bushing's sawcut.) Loosely thread the capscrews with lockwashers into the assembly. **DO NOT USE LUBRICANT ON THE CAPSCREWS!**
4. **REVERSE MOUNTING:** With large end of the taper out, slide sheave onto shaft as far as possible. Install shaft key. (See shaft key note in #3 above.) Install bushing onto shaft so tapered end will mate with sheave. (See wedging note in #3 above.) If using the setscrew, tighten it enough to prevent the bushing from sliding on the shaft. **Caution: Do not over-tighten setscrew!** Pull the sheave up on the bushing, aligning the drilled holes in the bushing flange with the tapped holes in the sheave. Loosely thread the capscrews with lockwashers into the assembly. **DO NOT USE LUBRICANT ON THE CAPSCREWS!**
5. Using a torque wrench, tighten all capscrews evenly and progressively in rotation to the torque value in Table. There must be a gap between the bushing flange and sheave hub when installation is complete. **DO NOT OVER-TORQUE! DO NOT ATTEMPT TO CLOSE GAP BETWEEN**

BUSHING FLANGE AND SHEAVE HUB!

To Remove:

1. Relieve drive tension by shortening the center distance between driver and driven sheaves.
2. Lift off belts.
3. Loosen and remove cap screws. If the bushings have keyway setscrews, loosen them.
4. As shown below, insert cap screws (three in JA through J bushings, two in QT and M thru W bushings and four in S bushing) in tapped removal holes and progressively tighten each one until mating part is loose on bushing. (Exception: If mating part is installed with cap screw heads next to motor, with insufficient room to insert screws in tapped holes, loosen cap screws and use wedge between bushing flange and mating part.)
5. Remove mating part from bushing and, if necessary, bushing from



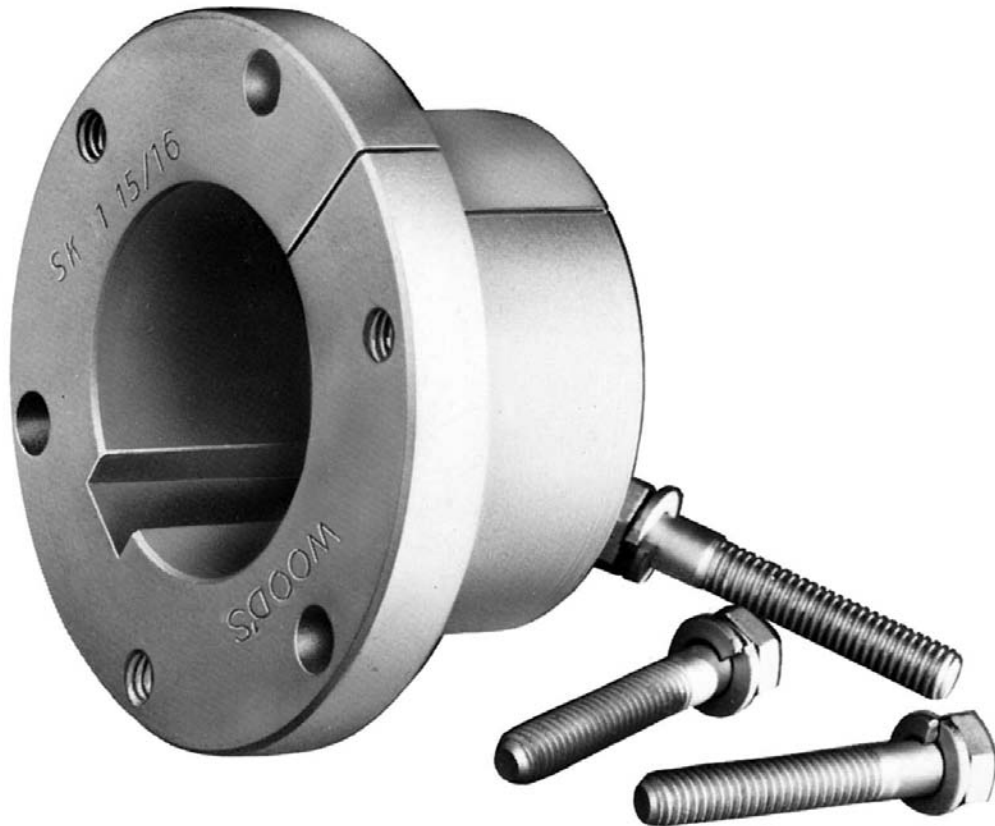
SURE-GRIP BUSHINGS SCREW TIGHTENING INFORMATION

Tapered Bushing	Size & Thread of Cap Screw	Ft.-Lbs. To Apply With Torque Wrench
QT	1/4 x 20	9
JA	No. 10 - 24	5
SH-SDS-SD	1/4 - 20	9
SK	5/16 - 18	15
SF	3/8 - 16	30
E	1/2 - 13	60
F	9/16 - 12	110
J	5/8 - 11	135
M	3/4 - 10	225
MS	3/4 - 10	150
N	7/8 - 9	300
NS	7/8 - 9	200
P	1 - 8	450
PS	1 - 8	300
W	1-1/8 - 7	600
WS	1-1/8 - 7	400
S	1-1/4 - 7	750
SS	1-1/4 - 7	500

CAUTION: The tightening force on the screws is multiplied many times by the wedging action of the tapered surface. If extreme tightening force is applied, or if a lubricant is used, bursting pressures will be created in the hub of the mating part.

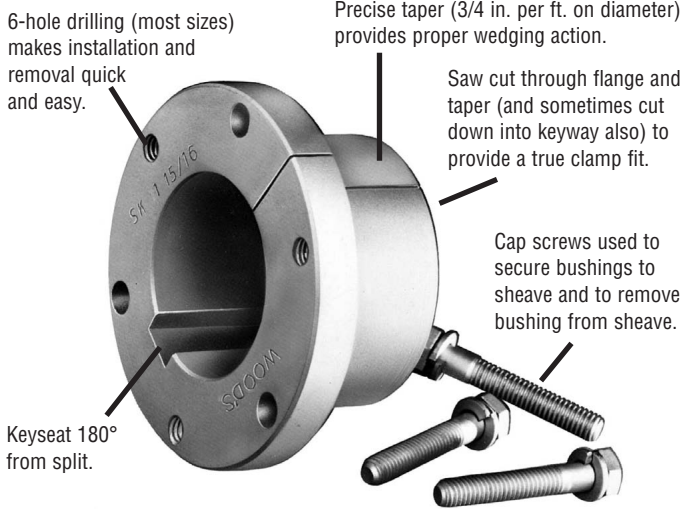
Wood's Metric Sure-Grip™ QD Bushings (with metric hardware)

A2



- **Provide a True Clamp Fit**
- **Are Easy to Install and Remove**
- **Permit Four-Way Mounting**

Sure-Grip® “Quick Detachable” bushings are easy to install and remove. They are split through flange and taper to provide a true clamp on the shaft that is the equivalent of a shrink fit. All sizes except JA and QT have a setscrew over the key to help



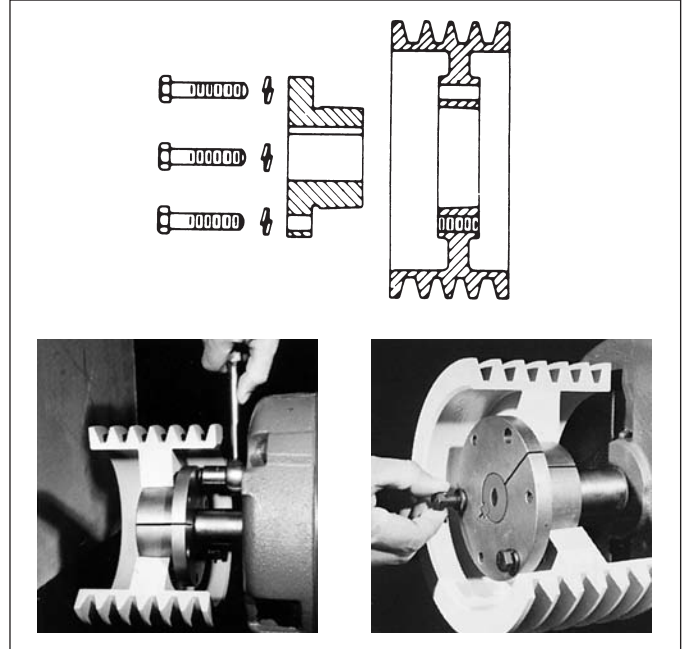
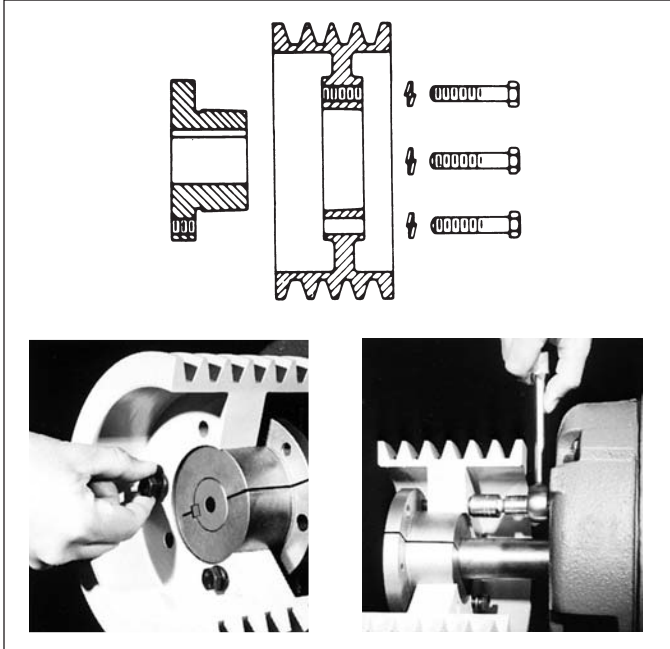
maintain the bushing's position on the shaft until the cap screws are securely tightened. Sure-Grip bushings have a very gradual taper (3/4-inch taper per ft. on the diameter) which is about half the inclined angle of many other bushings. The result is the Sure-Grip securely clamps the shaft, with twice the force of those competitive bushings, to provide extreme holding power.

Versatile Sure-Grip bushings permit the mounting of the same mating part on shafts of different diameters, and the mounting of different sheaves on the same shaft using the same bushing. Their interchangeability extends through sheaves, pulleys, timing pulleys, sprockets, flexible and rigid couplings, made-to-order items by Wood's, and to product lines of several other mechanical power transmission manufacturers.

Sure-Grip bushings are manufactured with the drilled and tapped holes located at a precise distance from the keyseat; thus, a wide mating part having a bushing in each end can be mounted on a common shaft with the two keyways in line. This feature not only facilitates installation but also permits both bushings to carry an equal share of the load.

STANDARD MOUNTING

REVERSE MOUNTING



1. Cap screws from outside through drilled holes in the mating part and into threaded holes in the bushing flange located on the inside of the assembly. Or the complete assembly reversed on the shaft and;
2. Cap screws from inside through drilled holes in the mating part and into threaded holes in the bushing flange located on the outside of the assembly.

3. Cap screws from inside through drilled holes in the bushing flange located on the inside of the assembly and into threaded holes in the mating part.
4. Cap screws from outside through drilled holes in the bushing flange located on the outside of the assembly and into threaded holes in the mating part.

METRIC SURE-GRIP® BUSHING DIMENSIONS

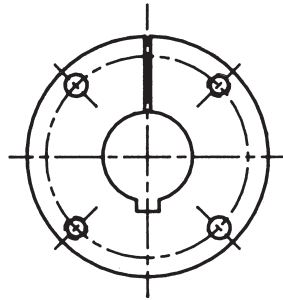


An Altra Industrial Motion Company

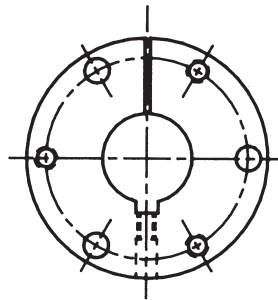
INCLUDING METRIC HARDWARE

Sure-Grip bushings are designed to transmit the rated torque capacity listed in the table below when the cap screws are tightened as indicated. The bushings are stocked in all popular metric bores, within the bore range for a particular bushing.

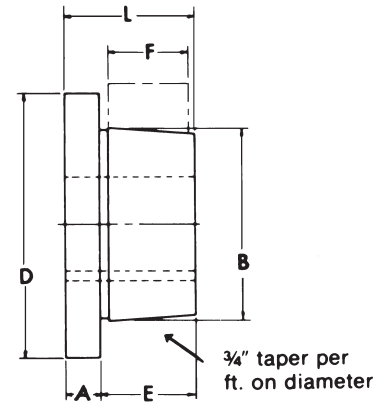
NOTE: Mating hub must have metric drilling.



Bushing
QTM



Bushings
JAM to FM inclusive
w/Setscrew
Except JAM



SURE-GRIP BUSHING TORQUE RATINGS AND DIMENSIONS

Metric Bushing	Torque Capacity (NM)	Max. Bore (Note 1)	DIMENSIONS IN MILLIMETERS						Cap screw Bolt Circle	Screws Required
			A	B	D	E	F*	L		
QTM	198	30	6.4	41.3	63.5	25.4	22.2	31.8	50.8	2 - M6
JAM	198	23	7.9	34.9	50.8	17.5	14.3	25.4	42.1	3 - M5
SHM	395	36	9.5	47.5	68.3	22.2	20.6	31.8	57.2	3 - M6
SDSM	565	42	11.1	55.6	81.0	22.2	19.1	33.3	68.3	3 - M6
SDM	565	42	11.1	55.6	81.0	34.9	31.8	46.0	68.3	3 - M6
SKM	791	56	12.7	71.4	98.4	34.9	31.8	47.6	84.1	3 - M8
SFM	1243	63	12.7	79.4	117.5	38.1	31.8	50.8	98.4	3 - M10
EM	2260	78	19.1	97.4	152.4	47.6	41.3	66.7	127.0	3 - M12
FM	4519	90	20.6	112.7	168.3	71.4	63.5	92.1	142.9	3 - M16

* Mating hub length.

1. MAX MM BORE WITH STANDARD KEYSEAT.

See page A2-4 for Bore and Keyseat information and weights.

BORE AND KEYSEAT DIMENSIONS
METRIC BORE AND KEY INFORMATION

Product No.	Bore (mm)	Key	Wt.
QTM BUSHINGS			
QTMMPB	10	NONE	0.6
QTM10MM	10	4 x 4	0.6
QTM11MM	11	4 x 4	0.6
QTM14MM	14	5 x 5	0.6
QTM15MM	15	5 x 5	0.6
QTM16MM	16	5 x 5	0.6
QTM19MM	19	6 x 6	0.6
QTM20MM	20	6 x 6	0.6
QTM24MM	24	8 x 7	0.6
QTM25MM	25	8 x 7	0.6
QTM28MM	28	8 x 7	0.6
QTM30MM	30	8 x 7	0.6
QTM32MM	32	10 x 6†	0.6
QTM38MM	38	10 x 6†	0.6
JAM BUSHINGS			
JAMMPB	10	NONE	0.8
JAM10MM	10	4 x 4	0.8
JAM11MM	11	4 x 4	0.8
JAM14MM	14	5 x 5	0.8
JAM15MM	15	5 x 5	0.8
JAM19MM	19	6 x 6	0.8
JAM20MM	20	6 x 6	0.8
JAM24MM	24	8 x 6†	0.8
JAM25MM	25	8 x 6†	0.8
JAM28MM	28	8 x 5†	0.8
SHM BUSHINGS			
SHMMPB	10	NONE	1.1
SHM10MM	10	4 x 4	1.1
SHM11MM	11	4 x 4	1.1
SHM14MM	14	5 x 5	1.1
SHM15MM	15	5 x 5	1.1
SHM19MM	19	6 x 6	1.0
SHM20MM	20	6 x 6	1.0
SHM24MM	24	8 x 7	1.0
SHM25MM	25	8 x 7	1.0
SHM28MM	28	8 x 7	0.9
SHM30MM	30	8 x 7	0.8
SHM32MM	32	10 x 8	0.8
SHM35MM	35	10 x 8	0.7
SHM38MM	38	10 x 7†	0.7
SHM40MM	40	12 x 6†	0.6

Product No.	Bore (mm)	Key	Wt.
SDSM BUSHINGS			
SDSMMPB	10	NONE	1.7
SDSM15MM	15	5 x 5	1.6
SDSM19MM	19	6 x 6	1.6
SDSM20MM	20	6 x 6	1.6
SDSM24MM	24	8 x 7	1.5
SDSM25MM	25	8 x 7	1.5
SDSM28MM	28	8 x 7	1.4
SDSM30MM	30	8 x 7	1.4
SDSM32MM	32	10 x 8	1.4
SDSM35MM	35	10 x 8	1.2
SDSM38MM	38	10 x 8	1.1
SDSM40MM	40	12 x 8	1.0
SDSM42MM	42	12 x 8	1.0
SDSM48MM	48	14 x 7†	0.9
SDM BUSHINGS			
SDMMPB	15	NONE	2.0
SDM15MM	15	5 x 5	2.0
SDM19MM	19	6 x 6	1.9
SDM20MM	20	6 x 6	1.9
SDM24MM	24	8 x 7	1.9
SDM25MM	25	8 x 7	1.9
SDM28MM	28	8 x 7	1.7
SDM30MM	30	8 x 7	1.7
SDM35MM	35	10 x 8	1.5
SDM38MM	38	10 x 8	1.4
SDM40MM	40	12 x 8	1.3
SDM42MM	42	12 x 8	1.2
SDM48MM	48	14 x 7†	1.0
SKM BUSHINGS			
SKMMPB	15	NONE	3.6
SKM19MM	19	6 x 6	3.5
SKM20MM	20	6 x 6	3.5
SKM24MM	24	8 x 7	3.4
SKM28MM	28	8 x 7	3.2
SKM30MM	30	8 x 7	3.2
SKM32MM	32	10 x 8	3.2
SKM35MM	35	10 x 8	3.0
SKM38MM	38	10 x 8	2.9
SKM40MM	40	12 x 8	2.8
SKM42MM	42	12 x 8	2.7
SKM48MM	48	14 x 9	2.4
SKM50MM	50	14 x 9	2.3
SKM55MM	55	16 x 10	2.0
SKM60MM	60	18 x 8†	1.7

Product No.	Bore (mm)	Key	Wt.
SFM BUSHINGS			
SFMMPB	15	NONE	5.1
SFM20MM	20	6 x 6	5.0
SFM24MM	24	8 x 7	4.8
SFM28MM	28	8 x 7	4.7
SFM30MM	30	8 x 7	4.6
SFM35MM	35	10 x 8	4.4
SFM38MM	38	10 x 8	4.2
SFM40MM	40	12 x 8	4.2
SFM42MM	42	12 x 8	4.1
SFM48MM	48	14 x 9	3.7
SFM50MM	50	14 x 9	3.5
SFM55MM	55	16 x 10	3.2
SFM60MM	60	18 x 11	3.0
EM BUSHINGS			
EMMPB	20	NONE	10.8
EM28MM	28	8 x 7	10.6
EM30MM	30	8 x 7	10.5
EM38MM	38	10 x 8	10.0
EM40MM	40	12 x 8	9.9
EM42MM	42	12 x 8	9.8
EM48MM	48	14 x 9	9.3
EM50MM	50	14 x 9	9.2
EM55MM	55	16 x 10	8.6
EM60MM	60	18 x 11	8.1
EM70MM	70	20 x 12	7.1
FM BUSHINGS			
FMMPB	20	NONE	18.0
FM30MM	30	8 x 7	17.6
FM38MM	38	10 x 8	16.9
FM40MM	40	12 x 8	16.8
FM42MM	42	12 x 8	16.7
FM48MM	48	14 x 9	18.0
FM50MM	50	14 x 9	15.7
FM55MM	55	16 x 10	15.0
FM60MM	60	18 x 11	14.3
FM70MM	70	20 x 12	12.9

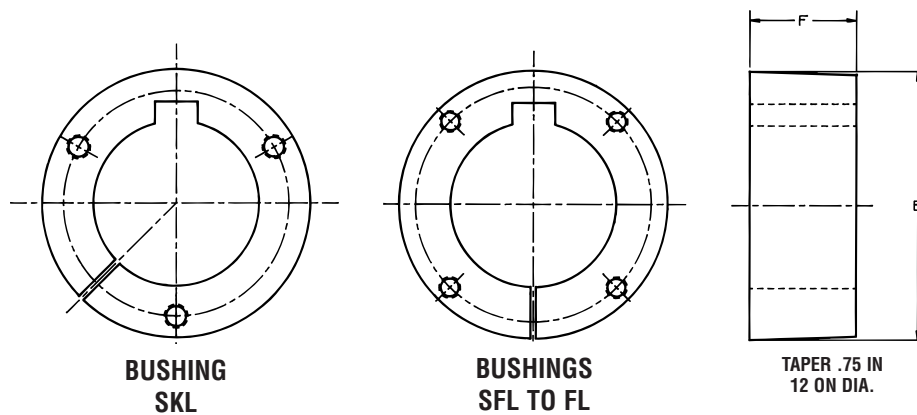
† SHALLOW KEY FURNISHED

METRIC SURE-GRIP® BUSHINGS (WITH METRIC HARDWARE)

“L” SERIES FLANGELESS BUSHINGS

Metric Bushing	Torque Capacity (NM)	Material Type	Max Bore (Note 1)	DIMENSIONS IN MILLIMETERS		Cap screw Bolt Circle	Screws Required
				B	F		
SKLM	791	D.I.	50	71.4	28.6	60.3	3 - M6
SFLM	1243	D.I.	60	79.4	28.6	69.9	4 - M6
ELM	2260	D.I.	73	97.4	38.1	85.7	4 - M8
FLM	5084	D.I.	80	112.7	60.3	95.3	4 - M10

1. MAX BORE WITH KEYSEAT.



Patent No. 5304101

Product Number	Bore	Key	Weight Lbs.
SKLMMPB	15	None	1.7
SFLMMPB	15	None	2.1
ELMMPB	20	None	4.1
FLMMPB	20	None	8.7

To Install:

IMPORTANT: DO NOT USE LUBRICANTS IN THIS INSTALLATION

1. Inspect shafts, bushing, and mating hub. Remove all nicks, paint, dirt, grease, etc. from mating surfaces.
2. Place key in shaft's keyseat.
3. Slide bushing onto shaft and key. **Small End of Taper Must Be Outboard.**
4. Slide tapered mating hub over bushing. Align (1) the shaft key with one of the slots in the mating hub and (2) the drilled holes in mating hub with the threaded holes in the bushing.
5. Put lockwashers on cap screws and insert one cap screw thru each drilled hole in the mating hub and into the threaded hole in the bushing.
6. Use a **Torque Wrench**. Tighten all cap screws evenly and progressively in rotation. Torque around all the cap screws as often as necessary until the listed torque value remains on each cap screw.

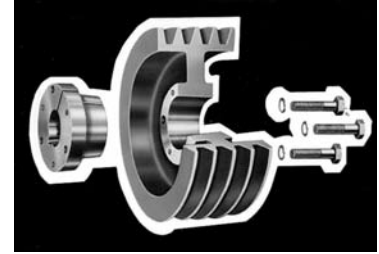
To Remove:

1. Loosen and remove all cap screws from assembly.
2. Install one cap screw in each threaded hole in the mating hub.
3. Evenly torque each cap screw in rotation to force the mating hub off the bushing.

Metric Bushing	Screws Required	Newton-Meters (Ft. Lbs.) To Apply With Torque Wrench
SKLM	3 - M6	20 (15)
SFLM	4 - M6	20 (15)
ELM	4 - M8	41 (30)
FLM	4 - M10	75 (55)

CAUTION

The use of lubricants or excessive wrench torques may cause hub stresses high enough to break the mating hub!



Installation Instructions

The Sure-Grip tapered, QD-type interchangeable bushing offers flexible and easy installation while providing exceptional holding power. To ensure that the bushing performs as specified, it must be installed properly.

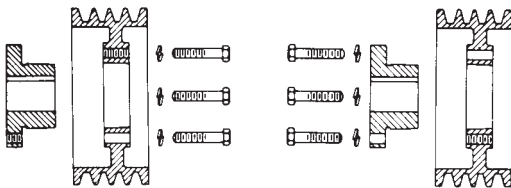
Before beginning, make sure the correct size and quantity of parts are available for the installation. The bushing has been manufactured to accept a setscrew over the key and its use is optional. It is packaged with the hardware on sizes QT to J.

To Install:

IMPORTANT:

DO NOT USE LUBRICANTS IN THIS INSTALLATION!

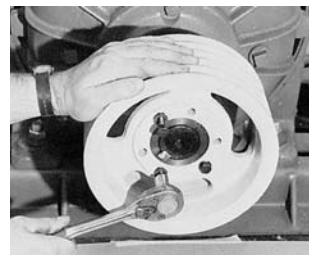
1. Inspect the tapered bore of the sheave and the tapered surface of the bushing. Any paint, dirt, oil, or grease **MUST** be removed.
2. Select the type of mounting (See Fig. 1 or 2) that best suits your application.



3. **STANDARD MOUNTING:** Install shaft key. (Note: If key was furnished with bushing, you must use that key.) Install bushing on clean shaft, flange end first. If bushing will not freely slide on the shaft, insert a screwdriver or similar object into the flange sawcut to act as a wedge to open the bushing's bore. **Caution: Excessive wedging will split the bushing.** If using the setscrew, tighten it just enough to prevent the bushing from sliding on the shaft. **Caution: Do not over-tighten setscrew!** Slide sheave into position on bushing aligning the drilled holes in the sheave with the tapped holes in the bushing flange. Loosely thread the cap screws with lockwashers into the assembly. **DO NOT USE LUBRICANT ON THE CAP SCREWS!**
4. **REVERSE MOUNTING:** With large end of the taper out, slide sheave onto shaft as far as possible. Install shaft key. (See shaft key note in #3 above.) Install bushing onto shaft so tapered end will mate with sheave. (See wedging note in #3 above.) If using the setscrew, tighten it enough to prevent the bushing from sliding on the shaft. **Caution: Do not over-tighten setscrew!** Pull the sheave up on the bushing, aligning the drilled holes in the bushing flange with the tapped holes in the sheave. Loosely thread the cap screws with lockwashers into the assembly. **DO NOT USE LUBRICANT ON THE CAP SCREWS!**
5. Using a torque wrench, tighten all cap screws evenly and progressively in rotation to the torque value in Table. There must be a gap between the bushing flange and sheave hub when installation is complete. **DO NOT OVER-TORQUE! DO NOT ATTEMPT TO CLOSE GAP BETWEEN BUSHING FLANGE AND SHEAVE HUB!**

To Remove:

1. Relieve drive tension by shortening the center distance between driver and driven sheaves.
2. Lift off belts.
3. Loosen and remove cap screws. If the bushings have keyway setscrews, loosen them.
4. As shown below, insert cap screws (three in JA through J bushings, two in QT bushings in tapped removal holes and progressively tighten each one until mating part is loose on bushing. (Exception: If mating part is installed with cap screw heads next to motor, with insufficient room to insert screws in tapped holes, loosen cap screws and use wedge between bushing flange and mating part.)
5. Remove mating part from bushing and, if necessary, bushing from shaft.



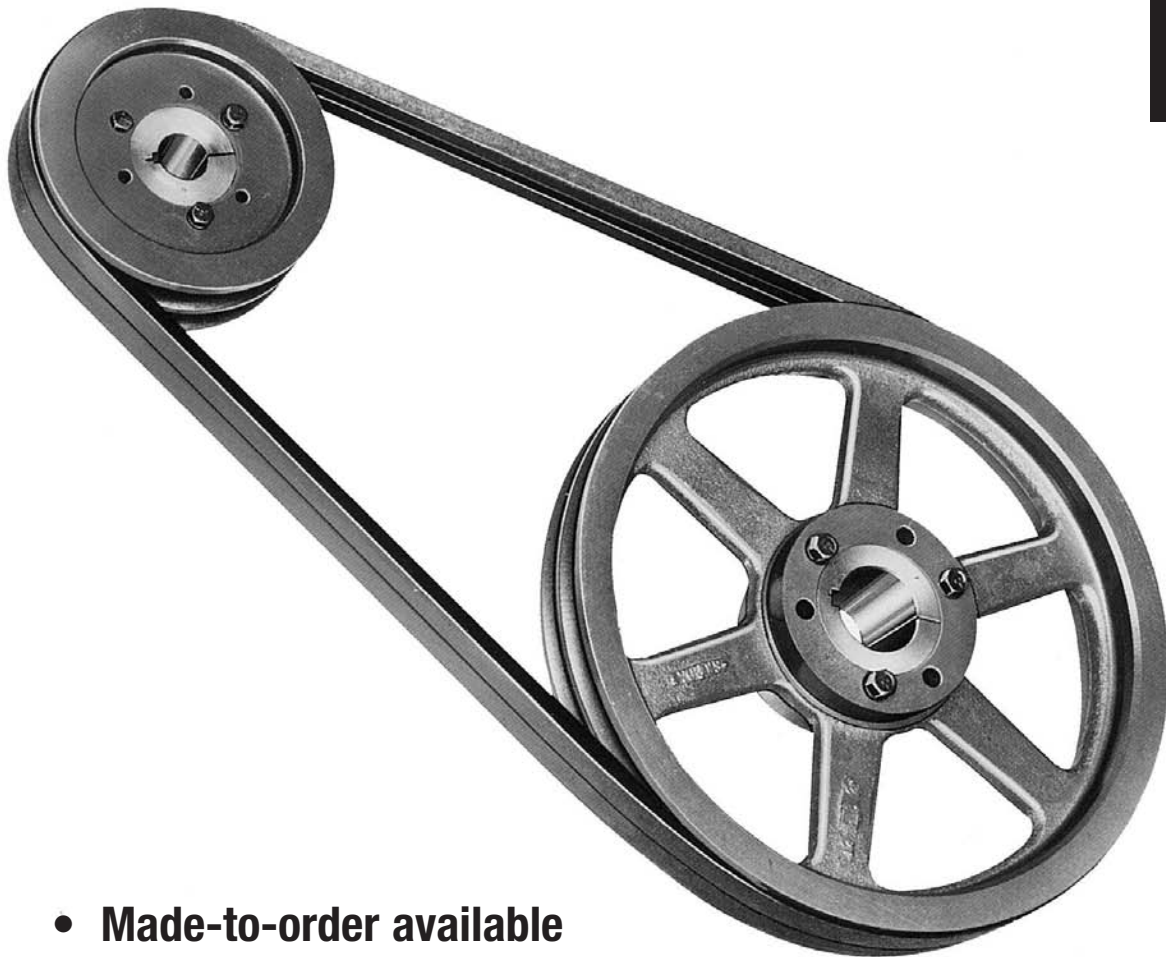
SCREW TIGHTENING INFORMATION

Tapered Bushing	Size & Thread of Cap screw	Newton-Meters (Ft. Lbs.) To Apply With Torque Wrench
QT	M6 x 1.0	12 (9)
JA	M5 x 0.8	7 (5)
SH-SDS-SD	M6 x 1.0	12 (9)
SK	M8 x 1.25	20 (15)
SF	M10 x 1.5	41 (30)
E	M12 x 1.75	81 (60)
F	M16 x 2.0	149 (110)
J	M16 x 2.0	183 (135)

CAUTION: The tightening force on the screws is multiplied many times by the wedging action of the tapered surface. If extreme tightening force is applied, or if a lubricant is used, bursting pressures will be created in the hub of the mating part.

Narrow (Ultra-V) Sheaves

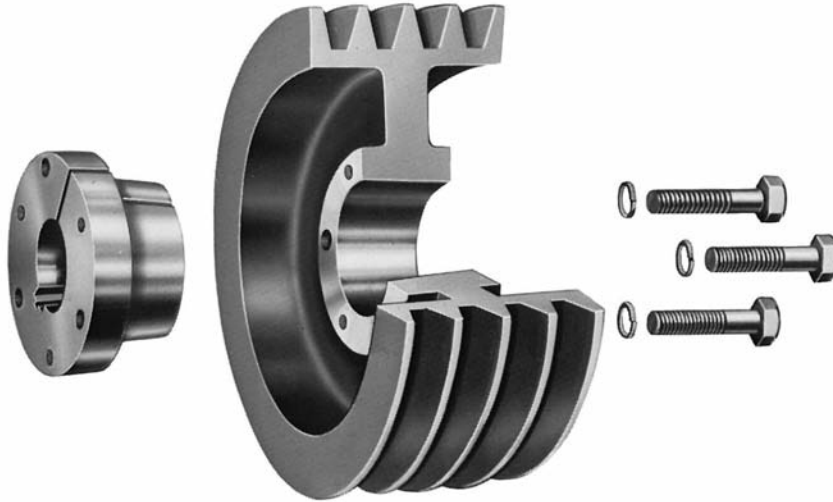
B1



- **Made-to-order available**
- **Are Easy to Install and Remove**
- **Bored to suit construction**

NARROW (ULTRA-V) SHEAVE FEATURES

Wood's Ultra-V sheaves are constructed of fine grain, high tensile cast iron, and have been carefully engineered to assure maximum performance over a long life span. Behind each sheave is one of the most extensive engineering design and testing programs in the industry.



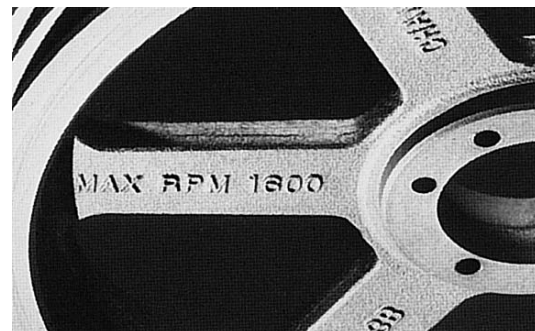
With the advent of higher V-belt ratings, Wood's engineers instituted additional careful test programs to ensure that each Wood's sheave would be capable of safely and dependably delivering the increased performance which was required by the new ratings. Wood's engineers, using a special strain gage test stand, subject sheaves to tension and compression stresses far in excess of those encountered in actual operation.

In another standard test procedure, Wood's sheaves are operated at extremely high speeds. Sheaves are selected from warehouse stocks and tested until they are burst by centrifugal force. Such destructive testing allows Wood's engineers to study the effects of construction and balance on sheave performance. The goal is to assure safe operation at normal speeds. Other continuing programs check product quality in the laboratory and on the manufacturing line.

For applications with special requirements, Wood's sheaves are also available on a made-to-order basis in either cast or ductile iron, and in Sure-Grip or bored-to-suit construction.

Wood's stock narrow sheaves are available with the convenient Sure-Grip QD type bushing. Easy to install and remove, these split, tapered bushings grip the shaft with the equivalent of a shrink fit. This tight holding power eliminates freezing and fretting corrosion between the shaft and the bore and assures quick removal and interchangeability when necessary.

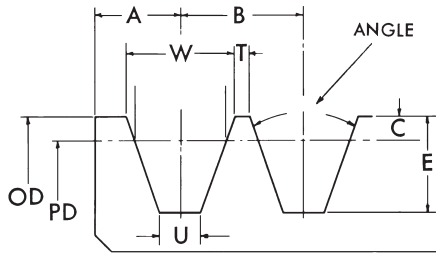
Stock sheaves are designed to carry the loads of all belts shown in this catalog and other similarly rated V-Belts. For special higher rated V-Belts, consult Wood's Engineering Department for recommendations.



We cast or stamp the maximum safe operating speed, in rpm, on all sheaves we manufacture.

NARROW (ULTRA-V) SHEAVE GROOVE DETAILS

STANDARD GROOVE DIMENSIONS



Belt	GROOVE DIMENSIONS IN INCHES								
	A	B	C	E	W	T	U	Angle of Groove	Used on O.D.
3V	1 ¹¹ / ₃₂	1 ¹³ / ₃₂	0	.350	.350	.056	.123	36	Under 3.5
							.109	38	3.5 to 6.0
							.095	40	6.01 to 12.0
							.081	42	12.01, Over
5V	1/2	1 ¹¹ / ₁₆	0	.600	.600	.0875	.187	38	Under 10.0
							.163	40	10.0 to 16.0
							.139	42	16.01, Over
8V	3/4	1 ¹ / ₈	0	1.000	1.000	.125	.312	38	Under 16.0
							.272	40	16.0 to 22.4
							.232	42	22.41, Over

STANDARD SHEAVE FACE WIDTHS

Belt	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	For Each Additional Groove Add
3V	1 ¹¹ / ₁₆ *	1 ¹ / ₃₂	1 ¹ / ₂	1 ²⁹ / ₃₂	2 ⁵ / ₁₆	2 ²³ / ₃₂	3 ¹ / ₈	3 ¹⁷ / ₃₂	3 ¹⁵ / ₁₆	4 ¹¹ / ₃₂	4 ³ / ₄	5 ⁵ / ₃₂	5 ⁹ / ₁₆	5 ³¹ / ₃₂	6 ³ / ₈	6 ²⁵ / ₃₂	7 ³ / ₁₆	7 ¹⁹ / ₃₂	1 ¹³ / ₃₂
5V	1	1 ¹¹ / ₁₆	2 ³ / ₈	3 ¹ / ₁₆	3 ³ / ₄	4 ⁷ / ₁₆	5 ¹ / ₈	5 ¹³ / ₁₆	6 ¹ / ₂	7 ³ / ₁₆	7 ⁷ / ₈	8 ⁹ / ₁₆	9 ¹ / ₄	9 ¹⁵ / ₁₆	10 ⁵ / ₈	11 ⁵ / ₁₆	12	12 ¹¹ / ₁₆	1 ¹¹ / ₁₆
8V**	1 ¹ / ₂	2 ⁵ / ₈	3 ³ / ₄	4 ⁷ / ₈	6	7 ¹ / ₈	8 ¹ / ₄	9 ³ / ₈	10 ¹ / ₂	11 ⁵ / ₈	12 ³ / ₄	13 ⁷ / ₈	15	16 ¹ / ₈	17 ¹ / ₄	18 ³ / ₄	19 ⁷ / ₈	21	1 ¹ / ₈

* For 10.6 to 13.9 outside diameters face width = 3/4". For outside diameters 14.0 and over face width = 13/16.

** Sheaves 16 grooves and over have 3/8" additional metal added to overall face width.

DEEP GROOVE DIMENSIONS

Belt	A	B	C	E	W	T	U	Angle of Groove	Used on O.D.
3V	3/8	1/2	.109	.459	.421	.079	.123	36	Under 3.72
					.425	.075	.109	38	3.72 to 6.22
					.429	.071	.095	40	6.23 to 12.22
					.434	.067	.081	42	12.22, Over
5V	9/16	1 ¹³ / ₁₆	.160	.760	.710	.102	.187	38	Under 10.32
					.716	.096	.163	40	10.32 to 16.32
					.723	.090	.139	42	16.32, Over
8V	2 ⁷ / ₃₂	1 5/16	.262	1.262	1.180	.132	.312	38	Under 16.52
					1.191	.123	.272	40	16.52 to 22.92
					1.201	.113	.232	42	22.92, Over

DEEP GROOVE SHEAVE FACE WIDTHS

Belt	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	For Each Additional Groove Add
3V	3/4	1 ¹ / ₄	1 ³ / ₄	2 ¹ / ₄	2 ³ / ₄	3 ¹ / ₄	3 ³ / ₄	4 ¹ / ₄	4 ³ / ₄	5 ¹ / ₄	5 ³ / ₄	6 ¹ / ₄	6 ³ / ₄	7 ¹ / ₄	7 ³ / ₄	8 ¹ / ₄	8 ³ / ₄	9 ¹ / ₄	1/2
5V	1 ¹ / ₈	1 ¹⁵ / ₁₆	2 ³ / ₄	3 ³ / ₁₆	4 ³ / ₈	5 ³ / ₁₆	6	6 ¹³ / ₁₆	7 ⁵ / ₈	8 ⁷ / ₁₆	9 ¹ / ₄	10 ¹ / ₁₆	10 ⁷ / ₈	11 ¹¹ / ₁₆	12 ¹ / ₂	13 ⁵ / ₁₆	14 ¹ / ₈	14 ¹⁵ / ₁₆	1 ¹³ / ₁₆
8V	1 ¹¹ / ₁₆	3	4 ⁵ / ₁₆	5 ⁵ / ₈	6 ¹⁵ / ₁₆	8 ¹ / ₄	9 ³ / ₁₆	10 ⁷ / ₈	12 ³ / ₁₆	13 ¹ / ₂	14 ¹³ / ₁₆	16 ¹ / ₈	17 ⁷ / ₁₆	18 ³ / ₄	20 ¹ / ₁₆	21 ³ / ₈	22 ¹¹ / ₁₆	24	1 ⁵ / ₁₆

STOCK NARROW (ULTRA-V) SHEAVES

3V

TB Wood's Incorporated

An Altra Industrial Motion Company

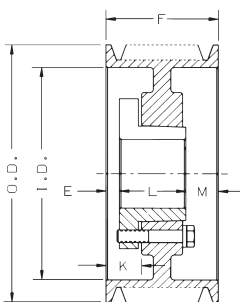
DIMENSIONS (In Inches)

O.D. ◆	I.D.	Product No.	5 GROOVE F = 2-5/16							Product No.	6 GROOVE F = 2-23/32						
			Bush.	Type	E	K	L	M	Wt.		Bush.	Type	E	K	L	M	Wt.
			4.75	3.44	3V4755	SDS	A1	3/16	13/16		1-5/16	13/16	5.7	3V4756	SK	E1	1-7/16	1/8	1-7/8	19/32	7.2
5.00	3.68	3V505	SDS	A1	3/16	13/16	1-5/16	13/16	6.2	3V506	SK	E1	1-7/16	1/8	1-7/8	19/32	8.0
5.30	4.00	3V535	SK	A1	7/32	15/16	1-7/8	7/32	8.2	3V536	SK	A1	19/32	1-5/16	1-7/8	1/4	8.9
5.60	4.31	3V565	SK	A1	7/32	15/16	1-7/8	7/32	9.1	3V566	SK	A1	19/32	1-5/16	1-7/8	1/4	9.8
6.00	4.69	3V605	SK	A1	7/32	15/16	1-7/8	7/32	10.5	3V606	SK	A1	19/32	1-5/16	1-7/8	1/4	11.2
6.50	5.25	3V655	SK	A1	7/32	15/16	1-7/8	7/32	12.1	3V656	SK	A1	19/32	1-5/16	1-7/8	1/4	12.9
6.90	5.62	3V695	SK	A1	7/32	15/16	1-7/8	7/32	13.6	3V696	SK	A1	19/32	1-5/16	1-7/8	1/4	14.5
8.00	6.63	3V805	SK	A2	7/32	15/16	1-7/8	7/32	13.6	3V806	SK	A2	5/32	7/8	1-7/8	11/16	14.7
10.60	9.25	3V1065	SK	A3	7/32	15/16	1-7/8	7/32	18.9	3V1066	SF	A3	3/16	7/8	2	17/32	22.1
14.00	12.62	3V1405	SF	A3	3/16	7/8	2	1/8	29.7	3V1406	SF	A3	3/16	7/8	2	17/32	31.9
19.00	17.62	3V1905	SF	A3	3/16	7/8	2	1/8	46.0	3V1906	E	B3	3/32	1	2-5/8	0	56.5
25.00	23.56	3V2505	E	C3	9/32	5/8	2-5/8	1/32	73.0	3V2506	E	B3	3/32	1	2-5/8	0	84.6
33.50	31.94	3V3355	E	C3	9/32	5/8	2-5/8	1/32	112.7	3V3356	E	B3	3/32	1	2-5/8	0	128.9

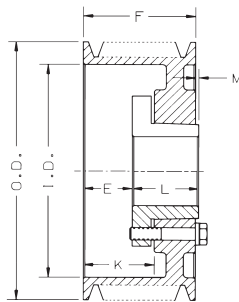
O.D. ◆	I.D.	Product No.	8 GROOVE F = 3-17/32							Product No.	10 GROOVE F = 4-11/32						
			Bush.	Type	E	K	L	M	Wt.		Bush.	Type	E	K	L	M	Wt.
			4.75	3.88	3V4758	SK	E1	2-1/4	1/8		1-7/8	19/32	9.6	3V47510	SK	E1	3-1/16	1/8	1-7/8	19/32	9.6
5.00	3.88	3V508	SK	E1	2-1/4	1/8	1-7/8	19/32	9.3	3V5010	SK	E1	3-1/16	1/8	1-7/8	19/32	10.5
5.30	4.00	3V538	SK	A1	19/32	1-5/16	1-7/8	1-1/16	10.3	3V5310	SK	A1	23/32	1-7/16	1-7/8	1-3/4	11.6
5.60	4.31	3V568	SK	A1	19/32	1-5/16	1-7/8	1-1/16	11.3	3V5610	SK	A1	23/32	1-7/16	1-7/8	1-3/4	12.7
6.00	4.69	3V608	SK	A1	19/32	1-5/16	1-7/8	1-1/16	12.8	3V6010	SK	A1	23/32	1-7/16	1-7/8	1-3/4	14.4
6.50	5.25	3V658	SK	A1	19/32	1-5/16	1-7/8	1-1/16	14.6	3V6510	SK	A1	23/32	1-7/16	1-7/8	1-3/4	16.2
6.90	5.62	3V698	SK	A1	19/32	1-5/16	1-7/8	1-1/16	16.3	3V6910	SK	A1	23/32	1-7/16	1-7/8	1-3/4	18.1
8.00	6.68	3V808	SF	A1	7/16	1-1/8	2	1-3/32	22.0	3V8010	SF	A1	13/16	1-1/2	2	1-17/32	24.2
10.60	9.25	3V1068	SF	A3	7/16	1-1/8	2	1-3/32	25.2	3V10610	E	A2	11/32	1-1/4	2-5/8	1-3/8	40.1
14.00	12.62	3V1408	E	A3	11/32	1-1/4	2-5/8	9/16	50.3	3V14010	E	A3	11/32	1-1/4	2-5/8	1-3/8	54.7
19.00	17.62	3V1908	E	A3	11/32	1-1/4	2-5/8	9/16	68.4	3V19010	E	A3	11/32	1-1/4	2-5/8	1-3/8	77.6
25.00	23.56	3V2508	E	A3	11/32	1-1/4	2-5/8	9/16	99.3	3V25010	F	A3	1/4	1-5/16	3-5/8	15/32	126.2
33.50	31.94	3V3358	F	B3	0	1-1/16	3-5/8	3/32	154.7	3V33510	F	A3	1/4	1-5/16	3-5/8	15/32	188.4

◆ P.D. = O.D. .

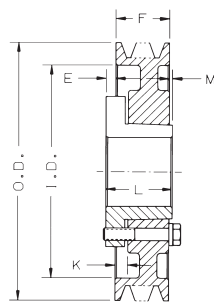
Weights for all Sure-Grip bushed items are approximate and include the bushing.



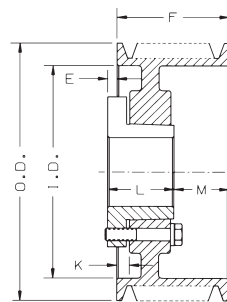
Type A



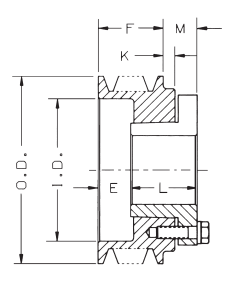
Type B



Type C



Type D



Type E

STOCK NARROW (ULTRA-V) SHEAVES

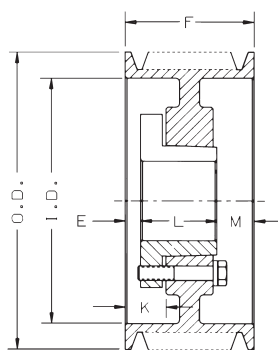
5V

An Altra Industrial Motion Company

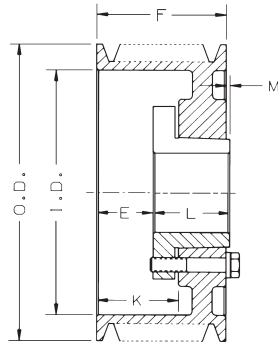
DIMENSIONS (In Inches)

O.D. ◆	I.D.	Product No.	6 GROOVE							Product No.	7 GROOVE						
			F = 4-7/16								F = 5-1/8						
			Bush.	Type	E	K	L	M	Wt.		Bush.	Type	E	K	L	M	Wt.
4.4 †	2.70	5V446	SD	E1	3-1/4	0	1-13/16	5/8	8.3	...	...	...	...	...	...	...	...
4.65 †	2.94	5V4656	SD	E1	3-1/4	0	1-13/16	5/8	8.3	...	...	...	...	...	...	...	...
4.9 †	3.25	5V496	SD	A1	11/16	1-5/16	1-13/16	1-15/16	10.3	...	...	...	...	...	...	...	...
5.2 †	3.50	5V526	SD	A1	11/16	1-5/16	1-13/16	1-15/16	11.1	...	...	...	...	...	...	...	...
5.5 †	3.75	5V556	SD	A1	11/16	1-5/16	1-13/16	1-15/16	12.4	...	...	...	...	...	...	...	...
5.9 †	4.18	5V596	SK	A1	19/32	1-5/16	1-7/8	1-31/32	14.0	...	...	...	...	...	...	...	...
6.3 †	4.56	5V636	SK	A1	19/32	1-5/16	1-7/8	1-31/32	15.8	...	...	...	...	...	...	...	...
6.7 †	4.99	5V676	SF	A1	15/16	1-5/8	2	1-1/2	18.3	...	...	...	...	...	...	...	...
7.1	5.31	5V716	SF	A1	15/16	1-5/8	2	1-1/2	20.3	5V717	SF	A1	15/16	1-5/8	2	2-3/16	22.1
7.5	5.62	5V756	SF	A1	15/16	1-5/8	2	1-1/2	22.9	5V757	SF	A1	15/16	1-5/8	2	2-3/16	25.0
8.0	6.12	5V806	E	A1	1-3/32	2	2-5/8	23/32	30.1	5V807	E	A1	1-3/32	2	2-5/8	1-13/32	32.3
8.5	6.62	5V856	E	A1	1-3/32	2	2-5/8	23/32	30.3	5V857	E	A1	1-3/32	2	2-5/8	1-13/32	35.7
9.0	7.12	5V906	E	A1	1-3/32	2	2-5/8	23/32	36.7	5V907	E	A1	1-3/32	2	2-5/8	1-13/32	39.3
9.25	7.44	5V9256	E	A1	1-3/32	2	2-5/8	23/32	37.9	5V9257	E	A1	1-3/32	2	2-5/8	1-13/32	40.4
9.75	7.94	5V9756	E	A1	1-3/32	2	2-5/8	23/32	41.5	5V9757	E	A1	1-3/32	2	2-5/8	1-13/32	44.1
10.3	8.50	5V1036	E	A2	1-3/32	2	2-5/8	23/32	40.6	5V1037	F	B1	1-1/2	2-9/16	3-5/8	0	60.5
10.9	9.12	5V1096	E	A2	1-3/32	2	2-5/8	23/32	45.8	5V1097	F	B1	1-1/2	2-9/16	3-5/8	0	67.1
11.3	9.38	5V1136	E	A2	1-3/32	2	2-5/8	23/32	47.8	5V1137	F	B1	1-1/2	2-9/16	3-5/8	0	73.3
11.8	9.94	5V1186	E	A2	1-3/32	2	2-5/8	23/32	50.4	5V1187	F	B2	1-1/2	2-9/16	3-5/8	0	64.3
12.5	10.62	5V1256	F	B2	1	2-1/16	3-5/8	3/16	65.1	5V1257	F	B2	1-1/2	2-9/16	3-5/8	0	69.0
13.2	11.31	5V1326	F	B2	1	2-1/16	3-5/8	3/16	69.6	5V1327	F	B2	1-1/2	2-9/16	3-5/8	0	73.8
14.0	12.12	5V1406	F	B2	1	2-1/16	3-5/8	3/16	74.6	5V1407	F	B2	1-1/2	2-9/16	3-5/8	0	79.1
15.0	13.12	5V1506	F	B3	1	2-1/16	3-5/8	3/16	72.1	5V1507	F	B3	1-1/2	2-9/16	3-5/8	0	76.9
16.0	14.12	5V1606	F	B3	1	2-1/16	3-5/8	3/16	76.4	5V1607	F	B3	1-1/2	2-9/16	3-5/8	0	82.5
18.7	16.75	5V1876	F	A3	1/4	1-5/16	3-5/8	9/16	93.3	5V1877	F	A3	1/4	1-5/16	3-5/8	1-1/4	99.6
21.2	19.25	5V2126	F	A3	1/4	1-5/16	3-5/8	9/16	106.5	5V2127	J	A3	1/16	1-5/16	4-1/2	9/16	131.2
23.6	21.62	5V2366	J	B3	1/16	1-5/16	4-1/2	1/8	133.4	5V2367	J	A3	1/16	1-5/16	4-1/2	9/16	141.7
28.0	26.00	5V2806	J	B3	1/16	1-5/16	4-1/2	1/8	169.1	5V2807	J	A3	1/16	1-5/16	4-1/2	9/16	181.0
31.5	29.50	5V3156	J	B3	1/16	1-5/16	4-1/2	1/8	198.1	5V3157	J	A3	1/16	1-5/16	4-1/2	9/16	212.1
37.5	35.25	5V3756	J	B3	1/16	1-5/16	4-1/2	1/8	253.8	5V3757	M	B3	15/32	1-15/16	6-3/4	2-3/32	349.6
50.0	47.38	5V5006	M	C3	31/32	1/2	6-3/4	1-11/32	472.1	5V5007	M	C3	31/32	1/2	6-3/4	21/32	498.1

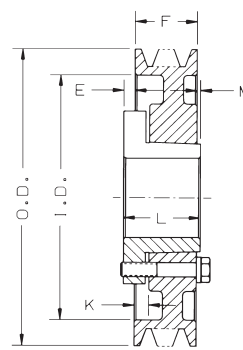
◆ P.D. = O.D. † Recommended for use with 5VX Narrow Cog belts only.
Weights for all Sure-Grip bushed items are approximate and include the bushing.



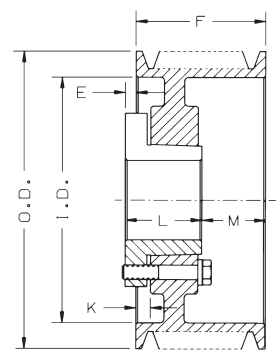
Type A



Type B



Type C



Type D

DIMENSIONS (In Inches)

O.D. ◆	I.D.	Product No.	8 GROOVE							Product No.	9 GROOVE						
			F = 5-13/16								F = 6-1/2						
			Bush.	Type	E	K	L	M	Wt.		Bush.	Type	E	K	L	M	Wt.
7.1	5.31	5V718	SF	A1	1-7/16	2-1/8	2	2-3/8	24.0	...	...	...	...	...	...	...
7.5	5.62	5V758	SF	A1	1-7/16	2-1/8	2	2-3/8	27.1	...	...	...	...	...	...	...
8.0	6.12	5V808	E	A1	1-19/32	2-1/2	2-5/8	1-19/32	34.6	5V809	E	A1	1-19/32	2-1/2	2-5/8	2-9/32	36.9
8.5	6.62	5V858	E	A1	1-19/32	2-1/2	2-5/8	1-19/32	38.2	5V859	E	A1	1-19/32	2-1/2	2-5/8	2-9/32	40.6
9.0	7.12	5V908	E	A1	1-19/32	2-1/2	2-5/8	1-19/32	41.9	5V909	E	A1	1-19/32	2-1/2	2-5/8	2-9/32	44.5
9.25	7.44	5V9258	F	A1	1-1/2	2-9/16	3-5/8	11/16	51.7	5V9259	F	A1	1-1/2	2-9/16	3-5/8	1-3/8	54.2
9.75	7.94	5V9758	F	A1	1-1/2	2-9/16	3-5/8	11/16	57.0	5V9759	F	A1	1-1/2	2-9/16	3-5/8	1-3/8	59.7
10.3	8.50	5V1038	F	A1	1-1/2	2-9/16	3-5/8	11/16	63.4	5V1039	F	A1	1-1/2	2-9/16	3-5/8	1-3/8	66.3
10.9	9.12	5V1098	F	A1	1-1/2	2-9/16	3-5/8	11/16	70.2	5V1099	F	A1	1-1/2	2-9/16	3-5/8	1-3/8	73.3
11.3	9.38	5V1138	F	A1	1-1/2	2-9/16	3-5/8	11/16	76.9	5V1139	F	A1	1-1/2	2-9/16	3-5/8	1-3/8	80.5
11.8	9.94	5V1188	F	A2	1-1/2	2-9/16	3-5/8	11/16	67.9	5V1189	F	A2	1-1/2	2-9/16	3-5/8	1-3/8	71.4
12.5	10.62	5V1258	F	A2	1-1/2	2-9/16	3-5/8	11/16	72.8	5V1259	F	A2	1-1/2	2-9/16	3-5/8	1-3/8	76.8
13.2	11.31	5V1328	F	A2	1-1/2	2-9/16	3-5/8	11/16	77.9	5V1329	F	A2	1-1/2	2-9/16	3-5/8	1-3/8	83.9
14.0	12.12	5V1408	F	A2	1-1/2	2-9/16	3-5/8	11/16	83.3	5V1409	F	A2	1-1/2	2-9/16	3-5/8	1-3/8	90.2
15.0	13.12	5V1508	F	A3	1-1/2	2-9/16	3-5/8	11/16	81.5	5V1509	J	B2	2-5/16	3-9/16	4-1/2	5/16	109.5
16.0	14.12	5V1608	F	A3	1-1/2	2-9/16	3-5/8	11/16	87.4	5V1609	J	B3	2-5/16	3-9/16	4-1/2	5/16	109.0
18.7	16.75	5V1878	J	A3	5/16	1-9/16	4-1/2	1	124.6	5V1879	J	A3	5/16	1-9/16	4-1/2	1-11/16	128.6
21.2	19.25	5V2128	J	A3	5/16	1-9/16	4-1/2	1	138.9	5V2129	J	A3	5/16	1-9/16	4-1/2	1-11/16	146.0
23.6	21.62	5V2368	J	A3	5/16	1-9/16	4-1/2	1	154.6	5V2369	J	A3	5/16	1-9/16	4-1/2	1-11/16	165.1
28.0	26.00	5V2808	J	A3	5/16	1-9/16	4-1/2	1	191.0	5V2809	M	B3	15/32	1-15/16	6-3/4	23/32	273.7
31.5	29.50	5V3158	M	B3	15/32	1-15/16	6-3/4	1-13/32	295.7	5V3159	M	B3	15/32	1-15/16	6-3/4	23/32	316.0
37.5	35.25	5V3758	M	B3	15/32	1-15/16	6-3/4	1-13/32	366.2	5V3759	M	B3	15/32	1-15/16	6-3/4	23/32	398.5
50.0	47.38	5V5008	M	B3	15/32	1-15/16	6-3/4	1-13/32	540.0	5V5009	M	B3	15/32	1-15/16	6-3/4	23/32	580.1

O.D. ◆	I.D.	Product No.	10 GROOVE						
			F = 7-3/16						
			Bush.	Type	E	K	L	M	Wt.
8.0	6.12	5V8010	E	A1	2-11/32	3-1/4	2-5/8	2-7/32	39.1
8.5	6.62	5V8510	E	A1	2-11/32	3-1/4	2-5/8	2-7/32	43.0
9.0	7.12	5V9010	F	A1	2-1/4	3-5/16	3-5/8	1-5/16	54.9
9.25	7.38	5V92510	F	A1	2-1/4	3-5/16	3-5/8	1-5/16	59.1
9.75	7.94	5V97510	F	A1	2-1/4	3-5/16	3-5/8	1-5/16	62.4
10.3	8.50	5V10310	F	A1	2-1/4	3-5/16	3-5/8	1-5/16	69.2
10.9	9.12	5V10910	F	A1	2-1/4	3-5/16	3-5/8	1-5/16	76.3
11.3	9.38	5V11310	F	A1	2-1/4	3-5/16	3-5/8	1-5/16	84.0
11.8	9.94	5V11810	F	A2	2-1/4	3-5/16	3-5/8	1-5/16	75.0
12.5	10.62	5V12510	J	A2	2-5/16	3-9/16	4-1/2	3/8	92.9
13.2	11.31	5V13210	J	A2	2-5/16	3-9/16	4-1/2	3/8	99.0
14.0	12.12	5V14010	J	A2	2-5/16	3-9/16	4-1/2	3/8	105.4
15.0	13.12	5V15010	J	A2	2-5/16	3-9/16	4-1/2	3/8	99.0
16.0	14.12	5V16010	J	A3	2-5/16	3-9/16	4-1/2	3/8	114.1
18.7	16.75	5V18710	J	A3	5/16	1-9/16	4-1/2	2-3/8	136.4
21.2	19.25	5V21210	J	A3	5/16	1-9/16	4-1/2	2-3/8	159.4
23.6	21.62	5V23610	M	B3	15/32	1-15/16	6-3/4	1/32	245.8
28.0	26.00	5V28010	M	B3	15/32	1-15/16	6-3/4	1/32	293.0
31.5	29.50	5V31510	M	B3	15/32	1-15/16	6-3/4	1/32	329.1
37.5	35.25	5V37510	M	B3	15/32	1-15/16	6-3/4	1/32	421.0
50.0	47.38	5V50010	M	B3	15/32	1-15/16	6-3/4	1/32	637.1

◆ P.D. = O.D.

Weights for all Sure-Grip bushed items are approximate and include the bushing.

STOCK NARROW (ULTRA-V) SHEAVES

8V

TB Wood's Incorporated

An Altra Industrial Motion Company

These sheaves are designed to carry the loads of all belts shown in this catalog and other similarly rated V-Belts. For special higher rated V-Belts, consult Wood's Engineering Department for recommendations.

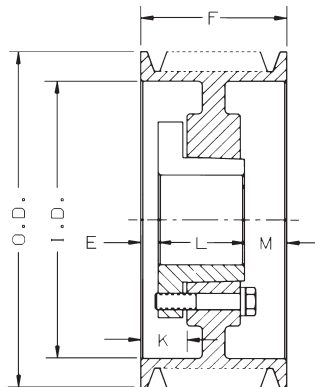
The sheaves listed below are all stock sizes. The dimensions given are with the Sure-Grip bushings in place. When ordering, specify the bushing, if required, and the bore size. The figure following the letter in the "Type" column indicates the sheave construction: 1 – Solid, 2 – Web, 3 – Arms.

DIMENSIONS (In Inches)

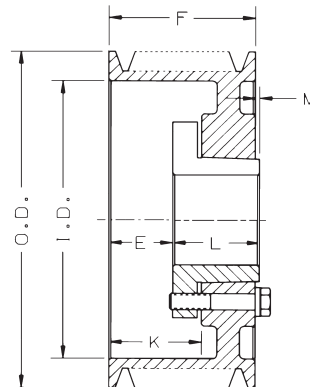
O.D. ◆	I.D.	Product No.	4 GROOVE							Product No.	5 GROOVE						
			F = 4-7/8								F = 6						
			Bush.	Type	E	K	L	M	Wt.		Bush.	Type	E	K	L	M	Wt.
12.5	9.75	8V1254	F	A1	1/8	1-3/16	3-5/8	1-1/8	85.5	8V1255	F	A1	1-1/4	2-5/16	3-5/8	1-1/8	93.3
13.2	10.44	8V1324	F	A2	1/8	1-3/16	3-5/8	1-1/8	78.4	8V1325	F	A2	1-1/4	2-5/16	3-5/8	1-1/8	88.2
14.0	11.25	8V1404	F	A2	1/8	1-3/16	3-5/8	1-1/8	84.5	8V1405	F	A2	1-1/4	2-5/16	3-5/8	1-1/8	95.2
15.0	12.25	8V1504	F	A2	1/8	1-3/16	3-5/8	1-1/8	92.6	8V1505	F	A2	1-1/4	2-5/16	3-5/8	1-1/8	108.0
16.0	13.25	8V1604	F	A2	1/8	1-3/16	3-5/8	1-1/8	98.8	8V1605	F	A2	1-1/4	2-5/16	3-5/8	1-1/8	112.1
17.0	14.25	8V1704	F	A2	1/8	1-3/16	3-5/8	1-1/8	109.4	8V1705	J	A2	3/4	2	4-1/2	3/4	141.0
18.0	15.25	8V1804	F	A2	1/8	1-3/16	3-5/8	1-1/8	118.1	8V1805	J	A2	3/4	2	4-1/2	3/4	157.0
19.0	16.25	8V1904	F	A2	1/8	1-3/16	3-5/8	1-1/8	128.3	8V1905	J	A2	3/4	2	4-1/2	3/4	169.0
20.0	17.25	8V2004	J	A3	3/16	1-7/16	4-1/2	3/16	128.3	8V2005	J	A2	3/4	2	4-1/2	3/4	167.5
21.2	18.44	8V2124	J	A3	3/16	1-7/16	4-1/2	3/16	142.8	8V2125	J	A2	3/4	2	4-1/2	3/4	183.8
22.4	19.62	8V2244	J	A3	3/16	1-7/16	4-1/2	3/16	154.2	8V2245	M	B2	15/32	1-15/16	6-3/4	1-7/32	262.0
24.8	21.90	8V2484	M	C3	21/32	13/16	6-3/4	1-7/32	247.5	8V2485	M	B3	15/32	1-15/16	6-3/4	1-7/32	266.5
30.0	27.12	8V3004	M	C3	21/32	13/16	6-3/4	1-7/32	286.7	8V3005	M	B3	15/32	1-15/16	6-3/4	1-7/32	327.6
35.5	32.50	8V3554	M	C3	21/32	13/16	6-3/4	1-7/32	342.0	8V3555	M	B3	15/32	1-15/16	6-3/4	1-7/32	404.0
40.0	37.00	8V4004	M	C3	21/32	13/16	6-3/4	1-7/32	407.6	8V4005	M	B3	15/32	1-15/16	6-3/4	1-7/32	441.0
44.5	41.60	8V4454	M	C3	21/32	13/16	6-3/4	1-7/32	461.0	8V4455	N	C3	3/4	15/16	8-1/8	1-3/8	580.5
53.0	49.81	8V5304	M	C3	21/32	13/16	6-3/4	1-7/32	557.0	8V5305	N	C3	3/4	15/16	8-1/8	1-3/8	688.0

◆ P.D. = O.D.

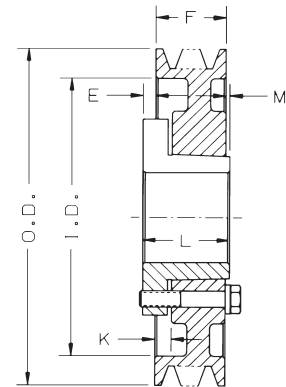
Weights for all Sure-Grip bushed items are approximate and include the bushing.



Type A



Type B



Type C

DIMENSIONS (In Inches)

O.D. ◆	I.D.	Product No.	6 GROOVE							Product No.	8 GROOVE						
			F = 7-1/8								F = 9-3/8						
			Bush.	Type	E	K	L	M	Wt.		Bush.	Type	E	K	L	M	Wt.
12.5	9.75	8V1256	F	A1	1-1/4	2-5/16	3-5/8	2-1/4	100.9	8V1258	J	A1	2-5/16	3-9/16	4-1/2	2-9/16	129.1
13.2	10.44	8V1326	F	A2	1-1/4	2-5/16	3-5/8	2-1/4	96.6	8V1328	J	A1	2-5/16	3-9/16	4-1/2	2-9/16	144.5
14.0	11.25	8V1406	F	A2	1-1/4	2-5/16	3-5/8	2-1/4	104.1	8V1408	J	A2	2-5/16	3-9/16	4-1/2	2-9/16	136.6
15.0	12.25	8V1506	J	A2	1-5/16	2-9/16	4-1/2	1-5/16	133.0	8V1508	J	A2	2-5/16	3-9/16	4-1/2	2-9/16	146.5
16.0	13.25	8V1606	J	A2	1-5/16	2-9/16	4-1/2	1-5/16	143.5	8V1608	J	A2	2-5/16	3-9/16	4-1/2	2-9/16	164.5
17.0	14.25	8V1706	J	A2	1-5/16	2-9/16	4-1/2	1-5/16	153.0	8V1708	M	A2	2-15/32	3-15/16	6-3/4	5/32	244.1
18.0	15.25	8V1806	J	A2	1-5/16	2-9/16	4-1/2	1-5/16	169.0	8V1808	M	A2	2-15/32	3-15/16	6-3/4	5/32	257.0
19.0	16.25	8V1906	J	A2	1-5/16	2-9/16	4-1/2	1-5/16	182.0	8V1908	M	A2	2-15/32	3-15/16	6-3/4	5/32	280.0
20.0	17.25	8V2006	M	B2	1-15/32	2-15/16	6-3/4	1-3/32	242.8	8V2008	M	A2	2-15/32	3-15/16	6-3/4	5/32	292.6
21.2	18.44	8V2126	M	B2	1-15/32	2-15/16	6-3/4	1-3/32	263.3	8V2128	M	A2	2-15/32	3-15/16	6-3/4	5/32	314.0
22.4	19.62	8V2246	M	B2	1-15/32	2-15/16	6-3/4	1-3/32	280.9	8V2248	M	A2	2-15/32	3-15/16	6-3/4	5/32	338.0
24.8	21.90	8V2486	M	B3	15/32	1-15/16	6-3/4	3/32	285.5	8V2488	N	A3	9/16	2-1/4	8-1/8	11/16	377.0
30.0	27.12	8V3006	M	B3	15/32	1-15/16	6-3/4	3/32	354.4	8V3008	N	A3	9/16	2-1/4	8-1/8	11/16	468.9
35.5	32.50	8V3556	N	C3	9/16	1-1/8	8-1/8	7/16	537.0	8V3558	N	A3	9/16	2-1/4	8-1/8	11/16	588.0
40.0	37.00	8V4006	N	C3	9/16	1-1/8	8-1/8	7/16	549.9	8V4008	N	A3	9/16	2-1/4	8-1/8	11/16	663.0
44.5	41.60	8V4456	N	C3	9/16	1-1/8	8-1/8	7/16	619.5	8V4458	P	B3	3/4	2-5/8	9-3/8	3/4	860.0
53.0	49.81	8V5306	N	C3	9/16	1-1/8	8-1/8	7/16	768.0	8V5308	P	B3	3/4	2-5/8	9-3/8	3/4	992.0
63.0	59.69	8V6306	P	B3	1/8	2	9-3/8	2-3/8	1027.0	8V6308	P	B3	3/4	2-5/8	9-3/8	3/4	1262.0
71.0	67.70	8V7106	P	B3	1/8	2	9-3/8	2-3/8	1200.0	8V7108	W	B3	0	2-1/4	11-3/8	2	1725.0

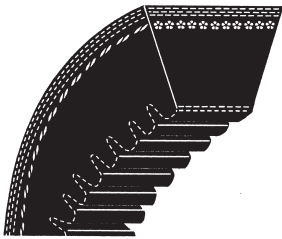
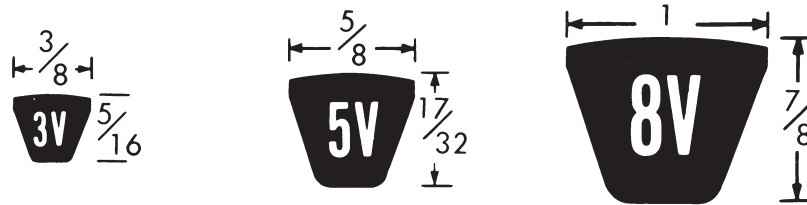
O.D. ◆	I.D.	Product No.	10 GROOVE							Product No.	12 GROOVE						
			F = 11-5/8								F = 13-7/8						
			Bush.	Type	E	K	L	M	Wt.		Bush.	Type	E	K	L	M	Wt.
12.5	9.75	8V12510	J	A1	2-5/16	3-9/16	4-1/2	4-13/16	148.9	8V12512	M	A1	2-15/32	3-15/16	6-3/4	4-21/32	198.0
13.2	10.44	8V13210	J	A1	2-5/16	3-9/16	4-1/2	4-13/16	148.6	8V13212	M	A1	2-15/32	3-15/16	6-3/4	4-21/32	225.0
14.0	11.25	8V14010	J	A1	2-5/16	3-9/16	4-1/2	4-13/16	161.0	8V14012	M	A1	2-15/32	3-15/16	6-3/4	4-21/32	245.8
15.0	12.25	8V15010	M	A1	2-15/32	3-15/16	6-3/4	2-13/32	264.0	8V15012	M	A1	2-15/32	3-15/16	6-3/4	4-21/32	285.0
16.0	13.25	8V16010	M	A1	2-15/32	3-15/16	6-3/4	2-13/32	296.7	8V16012	M	A1	2-15/32	3-15/16	6-3/4	4-21/32	324.0
17.0	14.25	8V17010	M	A2	2-15/32	3-15/16	6-3/4	2-13/32	269.1	8V17012	M	A2	2-15/32	3-15/16	6-3/4	4-21/32	324.0
18.0	15.25	8V18010	M	A2	2-15/32	3-15/16	6-3/4	2-13/32	295.0	8V18012	M	A2	2-15/32	3-15/16	6-3/4	4-21/32	338.0
19.0	16.25	8V19010	M	A2	2-15/32	3-15/16	6-3/4	2-13/32	318.0	8V19012	N	A2	9/16	2-1/4	8-1/8	5-3/16	412.0
20.0	17.25	8V20010	M	A2	2-15/32	3-15/16	6-3/4	2-13/32	318.6	8V20012	N	A2	9/16	2-1/4	8-1/8	5-3/16	411.0
21.2	18.44	8V21210	M	A2	2-15/32	3-15/16	6-3/4	2-13/32	340.7	8V21212	N	A2	9/16	2-1/4	8-1/8	5-3/16	421.0
22.4	19.62	8V22410	N	A2	9/16	2-1/4	8-1/8	2-15/16	411.1	8V22412	N	A2	9/16	2-1/4	8-1/8	5-3/16	478.0
24.8	21.90	8V24810	N	A2	9/16	2-1/4	8-1/8	2-15/16	463.0	8V24812	N	A2	9/16	2-1/4	8-1/8	5-3/16	516.5
30.0	27.12	8V30010	N	A3	9/16	2-1/4	8-1/8	2-15/16	557.5	8V30012	P	A3	3/4	2-5/8	9-3/8	3-3/4	672.1
35.5	32.50	8V35510	P	A3	3/4	2-5/8	9-3/8	1-1/2	727.0	8V35512	P	A3	3/4	2-5/8	9-3/8	3-3/4	837.0
40.0	37.00	8V40010	P	A3	3/4	2-5/8	9-3/8	1-1/2	817.9	8V40012	P	A3	3/4	2-5/8	9-3/8	3-3/4	909.5
44.5	41.60	8V44510	P	A3	3/4	2-5/8	9-3/8	1-1/2	927.0	8V44512	P	A3	3/4	2-5/8	9-3/8	3-3/4	1097.0
53.0	49.81	8V53010	P	A3	3/4	2-5/8	9-3/8	1-1/2	1137.0	8V53012	W	A3	5/8	2-7/8	11-3/8	1-7/8	1482.0
63.0	59.69	8V63010	W	B3	3/8	2-5/8	11-3/8	1/8	1652.0	8V63012	W	A3	5/8	2-7/8	11-3/8	1-7/8	1777.0
71.0	67.70	8V71010	W	B3	3/8	2-5/8	11-3/8	1/8	1865.0	8V71012	W	A3	5/8	2-7/8	11-3/8	1-7/8	2180.0

◆ P.D. = O.D.

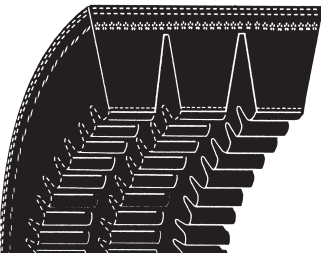
Weights for all Sure-Grip bushed items are approximate and include the bushing.

NARROW (ULTRA-V) V-BELT FEATURES

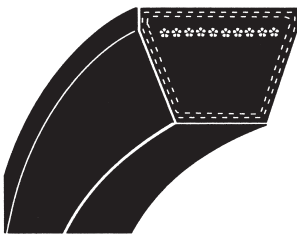
The three cross sections of Wood's Narrow (Ultra-V) belts transmit more horsepower than the five sizes of the Classical (Conventional) V-belt. The narrower geometry of the belt results in cross sections that are up to 50% smaller than the Classical (Conventional) cross sections. This allows the use of smaller diameter sheaves resulting in more compact, lighter weight drives that can operate at higher speeds, reduce bearing loads, and shaft stresses. All Wood's Narrow (Ultra-V) belts are static conducting, and oil and heat resistant.



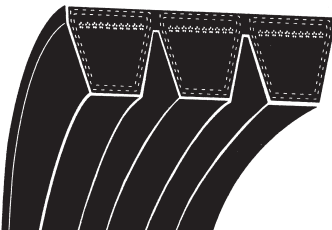
Narrow (Ultra-V) Cog V-belts . . . a premium raw edge, cog construction at no extra cost. Up to 30% more horsepower capacity than wrapped belts. The molded cogs offer greater flexibility and better heat dissipation, especially important on drives using smaller diameter sheaves and short center distances. Stock in all 3V lengths, 5V and 8V lengths up to 200 inches.



Narrow (Ultra-V) Cog Banded V-belts . . . all the same features of the individual Narrow (Ultra-V) Cog belt, but with the added benefit of multiple belts in a single belt. Should be considered for those problem drives where long center distance, vibration, pulsating or shock loads cause individual belts to whip, turn over, or jump out of sheave grooves. Stock in all 3V and 5V, 2 thru 5 ribs in lengths up to 200 inches.



Narrow (Ultra-V) V-belts . . . wrapped construction of 5V and 8V belts over 200 inches long. Handles applications that require longer length belts or larger cross sections where flexibility and compactness are not as critical.



Narrow (Ultra-V) Banded V-belts . . . wrapped construction of 5V belts over 200 inches and all 8V section belts. Can be used on those same problem drives as the Narrow (Ultra-V) Cog Banded belts. Stocked in 2 thru 5 ribs (5V section) and 3 thru 5 ribs (8V section).

Warning: Do not mix raw edge cog and wrapped construction belts on the same drive.

NARROW (ULTRA-V) BELTS AND NARROW (ULTRA-V) BANDED V-BELTS

Wood's Narrow belts listed here are described in detail on page B1—13 and are available from stock in all sizes.

3VX Belts			5V Belts			5VX Belts (cont.)			8V and 8VX Belts		
Product No.	Belt Length	Wt.	Product No.	Belt Length	Wt.	Product No.	Belt Length	Wt.	Product No.	Belt Length	Wt.
3VX250	25.0	.1	5V2120	212.0	2.5	5VX710	71.0	.8	8VX1000	100.0	3.5
3VX265	26.5	.1	5V2240	224.0	2.7	5VX730	73.0	.8	8VX1060	106.0	3.7
3VX280	28.0	.1	5V2360	236.0	2.8	5VX740	74.0	.8	8VX1120	112.0	3.9
3VX300	30.0	.1	5V2500	250.0	3.0	5VX750	75.0	.8	8VX1180	118.0	4.2
3VX315	31.5	.1	5V2650	265.0	3.2	5VX780	78.0	.9	8VX1250	125.0	4.4
3VX335	33.5	.2	5V2800	280.0	3.3	5VX800	80.0	.9	8VX1320	132.0	4.6
3VX355	35.5	.2	5V3000	300.0	3.6	5VX810	81.0	.9	8VX1400	140.0	4.9
3VX375	37.5	.2	5V3150	315.0	3.8	5VX830	83.0	.9	8VX1500	150.0	5.3
3VX400	40.0	.2	5V3350	335.0	4.1	5VX840	84.0	.9	8VX1600	160.0	5.6
3VX425	42.5	.2	5V3550	355.0	4.3	5VX850	85.0	.9	8VX1700	170.0	6.0
3VX450	45.0	.2	5VX Belts			5VX860	86.0	1.0	8VX1800	180.0	6.3
3VX475	47.5	.2	Product No.	Belt Length	Wt.	5VX880	88.0	1.0	8VX1900	190.0	6.7
3VX500	50.0	.2	5VX450	45.0	.5	5VX900	90.0	1.1	8VX2000	200.0	7.0
3VX530	53.0	.2	5VX470	47.0	.5	5VX930	93.0	1.1	8V2120	212.0	7.5
3VX560	56.0	.2	5VX490	49.0	.6	5VX950	95.0	1.1	8V2240	224.0	7.9
3VX600	60.0	.3	5VX500	50.0	.6	5VX960	96.0	1.1	8V2360	236.0	8.3
3VX630	63.0	.3	5VX510	51.0	.6	5VX1000	100.0	1.2	8V2500	250.0	8.8
3VX650	65.0	.3	5VX530	53.0	.7	5VX1030	103.0	1.2	8V2650	265.0	9.3
3VX670	67.0	.3	5VX540	54.0	.7	5VX1060	106.0	1.2	8V2800	280.0	9.8
3VX710	71.0	.3	5VX550	55.0	.7	5VX1080	108.0	1.2	8V3000	300.0	10.5
3VX750	75.0	.3	5VX560	56.0	.7	5VX1120	112.0	1.3	8V3150	315.0	11.1
3VX800	80.0	.4	5VX570	57.0	.7	5VX1150	115.0	1.3	8V3350	335.0	11.8
3VX850	85.0	.4	5VX580	58.0	.7	5VX1160	116.0	1.4	8V3550	355.0	12.5
3VX900	90.0	.4	5VX590	59.0	.7	5VX1180	118.0	1.4	8V3750	375.0	13.7
3VX950	95.0	.4	5VX600	60.0	.7	5VX1230	123.0	1.4	8V4000	400.0	14.0
3VX1000	100.0	.4	5VX610	61.0	.7	5VX1250	125.0	1.5	8V4250	425.0	14.9
3VX1060	106.0	.5	5VX630	63.0	.7	5VX1320	132.0	1.6	8V4500	450.0	15.8
3VX1120	112.0	.5	5VX650	65.0	.8	5VX1350	135.0	1.6	8V4750	475.0	16.7
3VX1180	118.0	.6	5VX660	66.0	.8	5VX1400	140.0	1.7	8V5000	500.0	17.6
3VX1250	125.0	.6	5VX670	67.0	.8	5VX1500	150.0	1.8			
3VX1320	132.0	.7	5VX680	68.0	.8	5VX1600	160.0	1.9			
3VX1400	140.0	.7	5VX690	69.0	.8	5VX1700	170.0	2.0			
3VX1500	150.0	.7				5VX1800	180.0	2.1			
						5VX1900	190.0	2.3			
						5VX2000	200.0	2.4			

3VX NARROW (Ultra-V) BANDED V-BELTS

Product No.	Belt Length	Wt. Lbs.	Product No.	Belt Length	Wt. Lbs.	Product No.	Belt Length	Wt. Lbs.	Product No.	Belt Length	Wt. Lbs.	Product No.	Belt Length	Wt. Lbs.
2R3VX250	25.0	.2	4R3VX355	35.5	.6	2R3VX530	53.0	.5	4R3VX750	75.0	1.4	2R3VX1120	112.0	1.0
3R3VX250	25.0	.3	5R3VX355	35.5	.8	3R3VX530	53.0	.7	5R3VX750	75.0	1.7	3R3VX1120	112.0	1.5
4R3VX250	25.0	.4	2R3VX375	37.5	.3	4R3VX530	53.0	1.0	2R3VX800	80.0	.7	4R3VX1120	112.0	2.0
5R3VX250	25.0	.5	3R3VX375	37.5	.5	5R3VX530	53.0	1.2	3R3VX800	80.0	1.1	5R3VX1120	112.0	2.5
2R3VX265	26.5	.2	4R3VX375	37.5	.6	2R3VX560	56.0	.5	4R3VX800	80.0	1.4	2R3VX1180	118.0	1.1
3R3VX265	26.5	.4	5R3VX375	37.5	.8	3R3VX560	56.0	.8	5R3VX800	80.0	1.8	3R3VX1180	118.0	1.6
4R3VX265	26.5	.5	2R3VX400	40.0	.4	4R3VX560	56.0	1.0	2R3VX850	85.0	.8	4R3VX1180	118.0	2.1
5R3VX265	26.5	.6	3R3VX400	40.0	.5	5R3VX560	56.0	1.3	3R3VX850	85.0	1.2	5R3VX1180	118.0	2.7
2R3VX280	28.0	.2	4R3VX400	40.0	.8	2R3VX600	60.0	.5	4R3VX850	85.0	1.5	2R3VX1250	125.0	1.1
3R3VX280	28.0	.4	5R3VX400	40.0	.9	3R3VX600	60.0	.8	5R3VX850	85.0	1.9	3R3VX1250	125.0	1.7
4R3VX280	28.0	.5	2R3VX425	42.5	.4	4R3VX600	60.0	1.1	2R3VX900	90.0	.8	4R3VX1250	125.0	2.3
5R3VX280	28.0	.6	3R3VX425	42.5	.6	5R3VX600	60.0	1.4	3R3VX900	90.0	1.2	5R3VX1250	125.0	2.8
2R3VX300	30.0	.3	4R3VX425	42.5	.8	2R3VX630	63.0	.6	4R3VX900	90.0	1.6	2R3VX1320	132.0	1.2
3R3VX300	30.0	.4	5R3VX425	42.5	1.0	3R3VX630	63.0	.9	5R3VX900	90.0	2.0	3R3VX1320	132.0	1.8
4R3VX300	30.0	.6	2R3VX450	45.0	.4	4R3VX630	63.0	1.1	2R3VX950	95.0	.9	4R3VX1320	132.0	2.4
5R3VX300	30.0	.8	3R3VX450	45.0	.6	5R3VX630	63.0	1.4	3R3VX950	95.0	1.3	5R3VX1320	132.0	3.0
2R3VX315	31.5	.3	4R3VX450	45.0	.8	2R3VX670	67.0	.6	4R3VX950	95.0	1.7	2R3VX1400	140.0	1.3
3R3VX315	31.5	.4	5R3VX450	45.0	1.0	3R3VX670	67.0	.9	5R3VX950	95.0	2.2	3R3VX1400	140.0	1.9
4R3VX315	31.5	.6	2R3VX475	47.5	.4	4R3VX670	67.0	1.2	2R3VX1000	100.0	.9	4R3VX1400	140.0	2.5
5R3VX315	31.5	.8	3R3VX475	47.5	.6	5R3VX670	67.0	1.5	3R3VX1000	100.0	1.4	5R3VX1400	140.0	3.2
2R3VX335	33.5	.3	4R3VX475	47.5	.9	2R3VX710	71.0	.6	4R3VX1000	100.0	1.8			
3R3VX335	33.5	.4	5R3VX475	47.5	1.1	3R3VX710	71.0	1.0	5R3VX1000	100.0	2.3			
4R3VX335	33.5	.6	2R3VX500	50.0	.4	4R3VX710	71.0	1.3	2R3VX1060	106.0	1.0			
5R3VX335	33.5	.8	3R3VX500	50.0	.7	5R3VX710	71.0	1.6	3R3VX1060	106.0	1.4			
2R3VX355	35.5	.3	4R3VX500	50.0	.9	2R3VX750	75.0	.7	4R3VX1060	106.0	1.9			
3R3VX355	35.5	.5	5R3VX500	50.0	1.1	3R3VX750	75.0	1.0	5R3VX1060	106.0	2.4			

NARROW (ULTRA-V) BANDED V-BELTS



An Altra Industrial Motion Company

5VX NARROW (Ultra-V) BANDED V-BELTS

Product No.	Belt Length	Wt. Lbs.	Product No.	Belt Length	Wt. Lbs.	Product No.	Belt Length	Wt. Lbs.	Product No.	Belt Length	Wt. Lbs.	Product No.	Belt Length	Wt. Lbs.
2R5VX500	50.0	1.3	2R5VX750	75.0	1.9	2R5VX1120	112.0	2.9	2R5VX1700	170.0	4.4	2R5V2500	250.0	6.4
3R5VX500	50.0	1.9	3R5VX750	75.0	2.9	3R5VX1120	112.0	4.3	3R5VX1700	170.0	6.6	3R5V2500	250.0	9.7
4R5VX500	50.0	2.6	4R5VX750	75.0	3.8	4R5VX1120	112.0	5.7	4R5VX1700	170.0	8.7	4R5V2500	250.0	12.9
5R5VX500	50.0	3.3	5R5VX750	75.0	4.8	5R5VX1120	112.0	7.2	5R5VX1700	170.0	10.9	5R5V2500	250.0	16.1
2R5VX530	53.0	1.3	2R5VX800	80.0	2.0	2R5VX1180	118.0	3.0	2R5VX1800	180.0	4.6	2R5V2650	265.0	6.8
3R5VX530	53.0	2.0	3R5VX800	80.0	3.1	3R5VX1180	118.0	4.5	3R5VX1800	180.0	6.9	3R5V2650	265.0	10.3
4R5VX530	53.0	2.7	4R5VX800	80.0	4.1	4R5VX1180	118.0	6.0	4R5VX1800	180.0	9.3	4R5V2650	265.0	13.7
5R5VX530	53.0	3.4	5R5VX800	80.0	5.1	5R5VX1180	118.0	7.6	5R5VX1800	180.0	11.6	5R5V2650	265.0	17.1
2R5VX560	56.0	1.4	2R5VX850	85.0	2.2	2R5VX1250	125.0	3.2	2R5VX1900	190.0	4.9	2R5V2800	280.0	7.2
3R5VX560	56.0	2.1	3R5VX850	85.0	3.2	3R5VX1250	125.0	4.8	3R5VX1900	190.0	7.3	3R5V2800	280.0	10.8
4R5VX560	56.0	2.8	4R5VX850	85.0	4.3	4R5VX1250	125.0	6.4	4R5VX1900	190.0	9.8	4R5V2800	280.0	14.5
5R5VX560	56.0	3.5	5R5VX850	85.0	5.4	5R5VX1250	125.0	8.0	5R5VX1900	190.0	12.2	5R5V2800	280.0	18.1
2R5VX600	60.0	1.5	2R5VX900	90.0	2.3	2R5VX1320	132.0	3.4	2R5VX2000	200.0	5.1	2R5V3000	300.0	7.7
3R5VX600	60.0	2.3	3R5VX900	90.0	3.4	3R5VX1320	132.0	5.1	3R5VX2000	200.0	7.7	3R5V3000	300.0	11.6
4R5VX600	60.0	3.0	4R5VX900	90.0	4.6	4R5VX1320	132.0	6.8	4R5VX2000	200.0	10.3	4R5V3000	300.0	15.5
5R5VX600	60.0	3.8	5R5VX900	90.0	5.7	5R5VX1320	132.0	8.5	5R5VX2000	200.0	12.9	5R5V3000	300.0	19.4
2R5VX630	63.0	1.6	2R5VX950	95.0	2.4	2R5VX1400	140.0	3.6	2R5V2120	212.0	5.5	2R5V3150	315.0	8.1
3R5VX630	63.0	2.4	3R5VX950	95.0	3.6	3R5VX1400	140.0	5.4	3R5V2120	212.0	8.2	3R5V3150	315.0	12.2
4R5VX630	63.0	3.2	4R5VX950	95.0	4.8	4R5VX1400	140.0	7.2	4R5V2120	212.0	10.9	4R5V3150	315.0	16.3
5R5VX630	63.0	4.0	5R5VX950	95.0	6.1	5R5VX1400	140.0	9.0	5R5V2120	212.0	13.7	5R5V3150	315.0	20.3
2R5VX670	67.0	1.7	2R5VX1000	100.0	2.6	2R5VX1500	150.0	3.9	2R5V2240	224.0	5.8	2R5V3350	335.0	8.7
3R5VX670	67.0	2.5	3R5VX1000	100.0	3.8	3R5VX1500	150.0	5.8	3R5V2240	224.0	8.7	3R5V3350	335.0	13.0
4R5VX670	67.0	3.4	4R5VX1000	100.0	5.1	4R5VX1500	150.0	7.7	4R5V2240	224.0	11.5	4R5V3350	335.0	17.3
5R5VX670	67.0	4.2	5R5VX1000	100.0	6.4	5R5VX1500	150.0	9.6	5R5V2240	224.0	14.4	5R5V3350	335.0	21.6
2R5VX710	71.0	1.8	2R5VX1060	106.0	2.7	2R5VX1600	106.0	4.1	2R5V2360	236.0	6.1	2R5V3550	355.0	9.2
3R5VX710	71.0	2.7	3R5VX1060	106.0	4.1	3R5VX1600	106.0	6.2	3R5V2360	236.0	9.1	3R5V3550	355.0	13.7
4R5VX710	71.0	3.6	4R5VX1060	106.0	5.4	4R5VX1600	106.0	8.2	4R5V2360	236.0	12.2	4R5V3550	355.0	18.3
5R5VX710	71.0	4.5	5R5VX1060	106.0	6.8	5R5VX1600	106.0	10.3	5R5V2360	236.0	15.2	5R5V3550	355.0	22.9

8V NARROW (Ultra-V) BANDED V-BELTS

Product No.	Belt Length	Wt. Lbs.	Product No.	Belt Length	Wt. Lbs.	Product No.	Belt Length	Wt. Lbs.	Product No.	Belt Length	Wt. Lbs.
3R8V1000	100.0	9.9	3R8V1600	160.0	16.0	3R8V2500	250.0	25.2	3R8V4000	400.0	40.5
4R8V1000	100.0	13.2	4R8V1600	160.0	21.4	4R8V2500	250.0	33.6	4R8V4000	400.0	53.9
5R8V1000	100.0	16.5	5R8V1600	160.0	26.7	5R8V2500	250.0	42.0	5R8V4000	400.0	67.4
3R8V1060	106.0	10.5	3R8V1700	170.0	17.0	3R8V2650	265.0	26.7	3R8V4250	425.0	43.0
4R8V1060	106.0	14.0	4R8V1700	170.0	22.7	4R8V2650	265.0	35.6	4R8V4250	425.0	57.3
5R8V1060	106.0	17.5	5R8V1700	170.0	28.4	5R8V2650	265.0	44.5	5R8V4250	425.0	71.7
3R8V1120	112.0	11.1	3R8V1800	180.0	18.0	3R8V2800	280.0	28.2	3R8V4500	450.0	45.5
4R8V1120	112.0	14.8	4R8V1800	180.0	24.1	4R8V2800	280.0	37.6	4R8V4500	450.0	60.7
5R8V1120	112.0	18.5	5R8V1800	180.0	30.1	5R8V2800	280.0	47.1	5R8V4500	450.0	75.9
3R8V1180	118.0	11.7	3R8V1900	190.0	19.1	3R8V3000	300.0	30.3	3R8V4750	475.0	48.1
4R8V1180	118.0	15.6	4R8V1900	190.0	25.4	4R8V3000	300.0	40.4	4R8V4750	475.0	64.1
5R8V1180	118.0	19.6	5R8V1900	190.0	31.8	5R8V3000	300.0	50.4	5R8V4750	475.0	80.2
3R8V1250	125.0	12.4	3R8V2000	200.0	20.1	3R8V3150	315.0	31.8	3R8V5000	500.0	50.6
4R8V1250	125.0	16.6	4R8V2000	200.0	26.8	4R8V3150	315.0	42.4	4R8V5000	500.0	67.5
5R8V1250	125.0	20.7	5R8V2000	200.0	33.5	5R8V3150	315.0	53.0	5R8V5000	500.0	84.4
3R8V1320	132.0	13.2	3R8V2120	212.0	21.3	3R8V3350	335.0	33.8	3R8V5600	560.0	56.7
4R8V1320	132.0	17.5	4R8V2120	212.0	28.4	4R8V3350	335.0	45.1	4R8V5600	560.0	75.7
5R8V1320	132.0	21.9	5R8V2120	212.0	35.5	5R8V3350	335.0	56.4	5R8V5600	560.0	94.6
3R8V1400	140.0	14.0	3R8V2240	224.0	22.5	3R8V3550	355.0	35.9	3R8V6000	600.0	60.8
4R8V1400	140.0	18.6	4R8V2240	224.0	30.0	4R8V3550	355.0	47.8	4R8V6000	600.0	81.0
5R8V1400	140.0	23.3	5R8V2240	224.0	37.5	5R8V3550	355.0	59.8	5R8V6000	600.0	101.3
3R8V1500	150.0	15.0	3R8V2360	236.0	23.8	3R8V3750	375.0	37.9			
4R8V1500	150.0	20.0	4R8V2360	236.0	31.7	4R8V3750	375.0	50.5			
5R8V1500	150.0	25.0	5R8V2360	236.0	39.6	5R8V3750	375.0	63.2			

1. Determine DESIGN HORSEPOWER

DESIGN HORSEPOWER = DriveR HP x Service Factor (See below)

SERVICE FACTORS

DRIVEN MACHINE See Note 1	DRIVER					
	AC Normal Torque Electric Motor (NEMA Design A-B) See Note 2			AC High Torque Electric Motor (NEMA Design C-D) See Note 3		
	Intermittent Service See Note 4	Normal Service See Note 5	Continuous Service See Note 6	Intermittent Service See Note 4	Normal Service See Note 5	Continuous Service See Note 6
Agitators for Liquids	1.0	1.1	1.2	1.1	1.2	1.3
Blowers and Exhausters						
Centrifugal Pumps and Compressors						
Conveyors (Light Duty)						
Fans (up to 10 H.P.)	1.1	1.2	1.3	1.2	1.3	1.4
Belt Conveyors for Sand, Grain, etc.						
Fans (over 10 H.P.)						
Generators						
Laundry Machinery						
Line Shafts						
Machine Tools						
Mixers (Dough)						
Positive Displacement Rotary Pumps						
Printing Machinery						
Punches-Presses-Shears See Note 1	1.2	1.3	1.4	1.4	1.5	1.6
Revolving and Vibrating Screens						
Blowers (Positive Displacement)						
Brick Machinery						
Compressors (Piston) See Note 1						
Conveyors (Drag-Pan-Screw)						
Elevators (Bucket)						
Exciters						
Hammer Mills						
Paper Mill Beaters						
Pulverizes	1.3	1.4	1.5	1.5	1.6	1.8
Pumps (Piston)						
Saw Mill and Woodworking Machinery						
Textile Machinery						
Crushers (Gyratory-Jaw-Roll) See Note 1	1.3	1.4	1.5	1.5	1.6	1.8
Mills (Ball-Rod-Tube) See Note 1						
Hoists See Note 1						
Rubber Calenders-Extruders-Mills See Note 1						

Note 1 The Driven Machines listed above are representative samples only. When one of the sheaves of the drive is used as a flywheel to reduce speed fluctuations and equalize the energy exerted at the shaft or for applications involving impact or jam loads specially constructed sheaves may be required. Consult the manufacturer.

Note 2 Included under this heading are the following electric motors: Synchronous and Squirrel Cage AC Normal Torque, AC Split Phase, DC Shunt Wound and Internal Combustion Engines.

Note 3 Included under this heading are the following electric motors: AC High Torque, AC Hi-Slip, AC Repulsion, Induction, AC Single Phase Series Wound, AC Slip Ring and DC Compound Wound.

Note 4 Intermittent Service refers to 3–5 hours of daily or seasonal operation.

Note 5 Normal Service indicates 8–10 hours of daily operation.

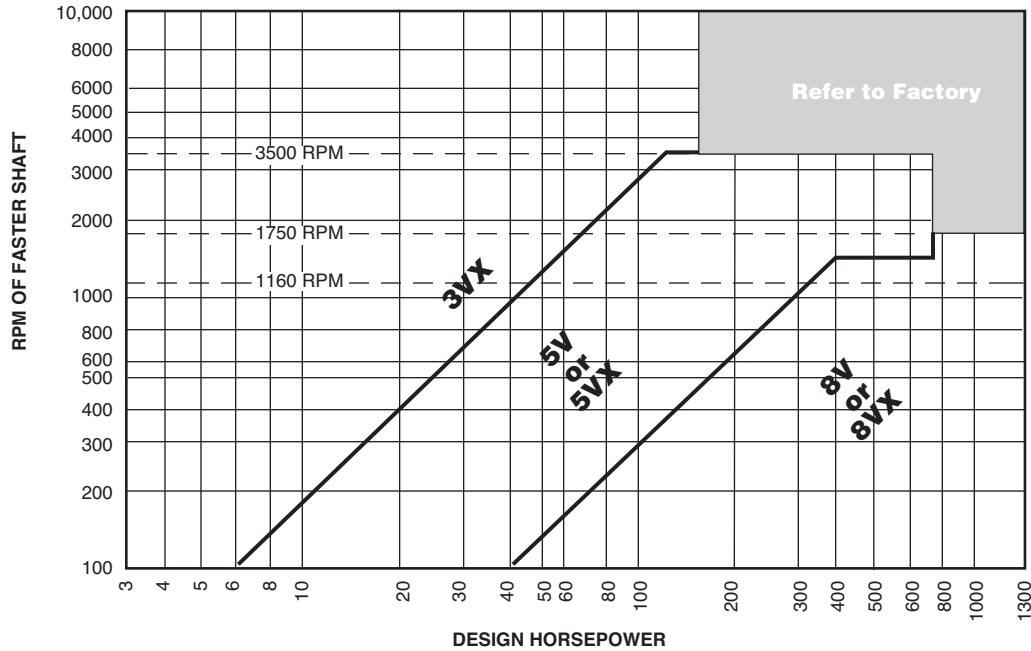
Note 6 Continuous Service refers to 16–24 hours of daily operation.

Note 7 If idlers are used, add the following to the service factor.

Idler on slack side (inside)	None
Idler on slack side (outside)	0.1
Idler on tight side (inside)	0.1
Idler on tight side (outside)	0.2

DRIVE SELECTION – NARROW BELTS

2. Select BELT CROSS SECTION using chart below.



3. If using a 60 HZ electric motor, **Note the Minimum Motor Sheave Outside Diameter recommended by NEMA.**

Motor Horsepower	MOTOR RPM			
	870	1160	1750	3500
1/2	2.2	...	...	...
3/4	2.4	2.2	...	...
1	2.4	2.4	2.2	...
1-1/2	2.4	2.4	2.4	2.2
2	3.0	2.4	2.4	2.4
3	3.0	3.0	2.4	2.4
5	3.8	3.0	3.0	2.4
7-1/2	4.4	3.8	3.0	3.0
10	4.4	4.4	3.8	3.0
15	5.2	4.4	4.4	3.8
20	6.0	5.2	4.4	4.4
25	6.8	6.0	4.4	4.4
30	6.8	6.8	5.2	...
40	8.2	6.8	6.0	...
50	8.4	8.2	6.8	...
60	10.0	8.2	7.4	...
75	10.0	10.0	8.6	...
100	12.0	10.0	8.6	...
125	...	12.0	10.5	...
150	...	...	10.5	...
200	...	...	13.2	...
250	...	...	...	...
300	...	...	...	...

- BELT LENGTH = $2 \times C + 1.57 \times (D + d) + [(D - d)^2 / 4 \times C]$
- CENTER DISTANCE = $1/2 \times [A - h \times (D - d)]$

WHERE:

C = Center Distance (in.) D = O.D. of larger sheave (in.)
 L = Belt Length (in.) d = O.D. of smaller sheave (in.)
 A = $L - 1.57 \times (D + d)$ h = Factor from chart below

$\frac{D-d}{A}$	h	$\frac{D-d}{A}$	h	$\frac{D-d}{A}$	h	$\frac{D-d}{A}$	h
0.00	0.00	0.16	0.08	0.30	0.16	0.43	0.24
0.02	0.01	0.18	0.09	0.32	0.17	0.44	0.25
0.04	0.02	0.20	0.10	0.34	0.18	0.46	0.26
0.06	0.03	0.21	0.11	0.35	0.19	0.47	0.27
0.08	0.04	0.23	0.12	0.37	0.20	0.48	0.28
0.10	0.05	0.25	0.13	0.39	0.21	0.50	0.29
0.12	0.06	0.27	0.14	0.40	0.22	0.51	0.30
0.14	0.07	0.29	0.15	0.41	0.23	...	...

AC FACTORS

$\frac{D-d}{C}$	Factor Ac	$\frac{D-d}{C}$	Factor Ac
0.000	1.000	0.750	0.879
0.025	0.997	0.775	0.874
0.050	0.994	0.800	0.869
0.075	0.990	0.825	0.864
0.100	0.987	0.850	0.858
0.125	0.983	0.875	0.852
0.150	0.980	0.900	0.847
0.175	0.977	0.925	0.841
0.200	0.973	0.950	0.835
0.225	0.969	0.975	0.829
0.250	0.966	1.000	0.823
0.275	0.962	1.025	0.816
0.300	0.958	1.050	0.810
0.325	0.954	1.075	0.803
0.350	0.951	1.100	0.796
0.375	0.947	1.125	0.789
0.400	0.943	1.150	0.782
0.425	0.939	1.175	0.774
0.450	0.935	1.200	0.767
0.475	0.930	1.225	0.759
0.500	0.926	1.250	0.751
0.525	0.922	1.275	0.742
0.550	0.917	1.300	0.734
0.575	0.913	1.325	0.725
0.600	0.908	1.350	0.716
0.625	0.904	1.375	0.706
0.650	0.899	1.400	0.697
0.675	0.894	1.425	0.687
0.700	0.889		
0.725	0.884		

LC FACTORS

Belt No.	Correction Factor Lc	Belt No.	Correction Factor Lc	Belt No.	Correction Factor Lc
3VX250	.83	5VX500	.85	8VX1060	.88
3VX265	.84	5VX530	.86	8VX1120	.88
3VX280	.85	5VX560	.87	8VX1180	.89
3VX300	.86	5VX600	.88	8VX1250	.90
3VX315	.87	5VX630	.89	8VX1320	.91
3VX335	.88	5VX670	.90	8VX1400	.92
3VX355	.89	5VX710	.91	8VX1500	.93
3VX375	.90	5VX750	.92	8VX1600	.94
3VX400	.92	5VX800	.93	8VX1700	.94
3VX425	.93	5VX850	.94	8VX1800	.95
3VX450	.94	5VX900	.95	8VX1900	.96
3VX475	.95	5VX950	.95	8VX2000	.97
3VX500	.96	5VX1000	.96	8V2120	.97
3VX530	.97	5VX1060	.97	8V2240	.98
3VX560	.98	5VX1120	.98	8V2360	.99
3VX600	.99	5VX1180	.99	8V2500	1.00
3VX630	1.00	5VX1250	1.00	8V2650	1.01
3VX670	1.01	5VX1320	1.01	8V2800	1.02
3VX710	1.02	5VX1400	1.02	8V3000	1.02
3VX750	1.03	5VX1500	1.03	8V3150	1.03
3VX800	1.04	5VX1600	1.04	8V3350	1.04
3VX850	1.05	5VX1700	1.05	8V3550	1.05
3VX900	1.07	5VX1800	1.06	8V3750	1.06
3VX950	1.08	5VX1900	1.07	8V4000	1.07
3VX1000	1.09	5VX2000	1.08	8V4250	1.08
3VX1060	1.10	5V2120	1.09	8V4500	1.09
3VX1120	1.11	5V2240	1.09	8V4750	1.09
3VX1180	1.12	5V2360	1.10	8V5000	1.10
3VX1250	1.13	5V2500	1.11		
3VX1320	1.14	5V2650	1.12		
3VX1400	1.15	5V2800	1.13		
		5V3000	1.14		
		5V3150	1.15		
		5V3350	1.16		
		5V3550	1.17		

BALANCING STANDARDS



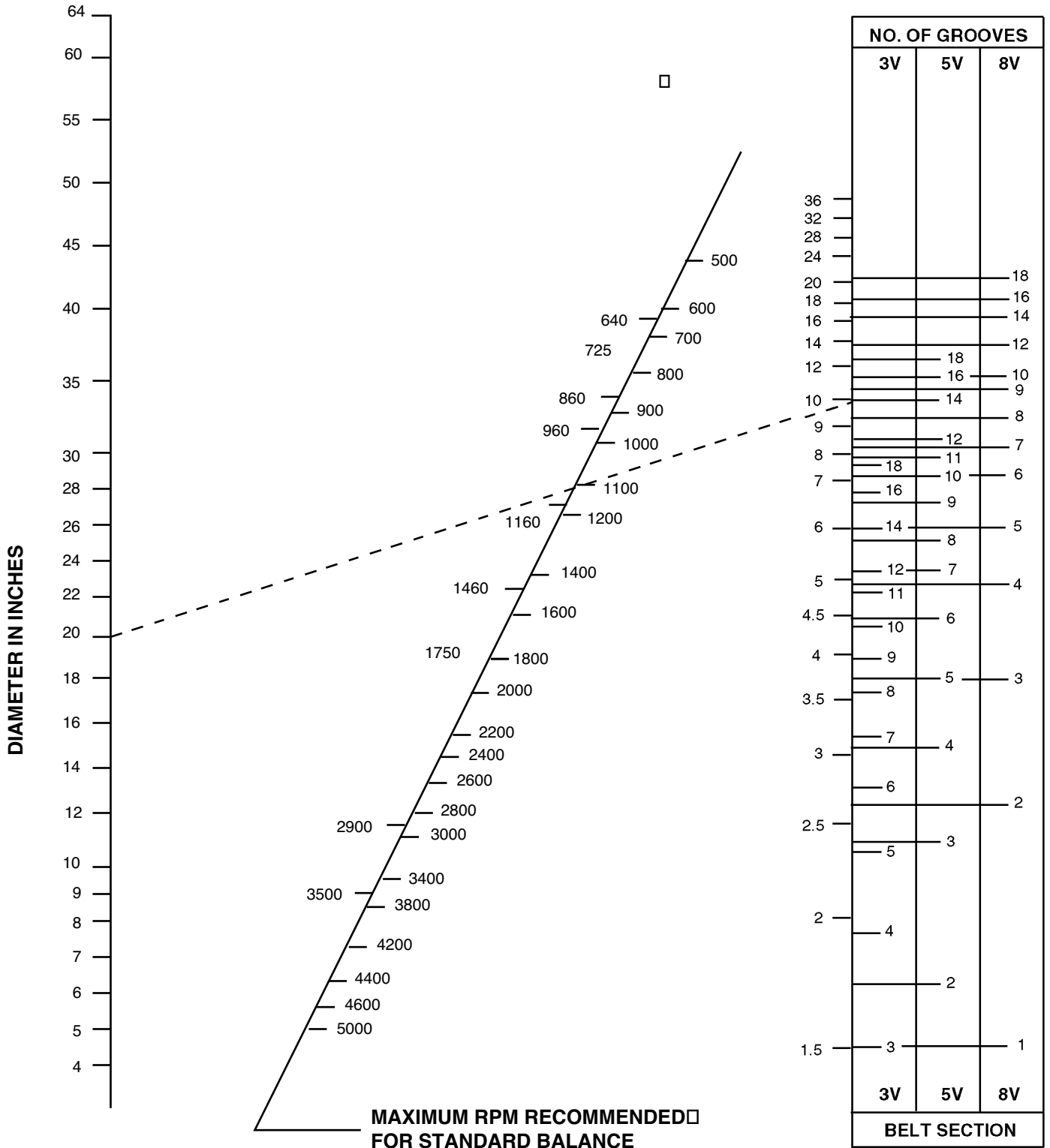
An Altra Industrial Motion Company

Proper balance of rotating products is important for smooth, vibration-free operation. Standard balance of Wood's stock products is a one plane balance. Depending on the face width, outside diameter, and operating speed a higher precision balance may be required for smooth operation. In those cases a two-plane balance is suggested.

Note: Two plane balance is for smooth operation only and DOES NOT increase the maximum safe operating speed of the product. Stock cast iron wheels may not exceed 6,550 feet per minute; and ductile iron wheels are limited to 10,000 FPM. (FPM = sheave outside diameter x RPM x .262)

The nomograph below may be used as a guideline to determine when two-plane balance is recommended. To use this chart lay a straight-edge between the diameter of the part on the left of the chart and the face width of the part on the right. The straight edge will intersect the slanted scale in the center of the chart. When the operating speed is greater than the intersection point a two-plane balance is recommended.

Example: If a 20 in. diameter x 10 in. face width sheave runs faster than 1100 rpm, dynamic balancing is recommended.



DRIVE SELECTION – NARROW BELTS

Using Pre-Engineered Drive Selection Tables

Standard Motor Speed - Reduction or 1:1 Ratio Drives

Example: A 15 HP 1750 RPM NEMA B motor driving a piston pump operating at 438 RPM, 18 hours a day.
Motor shaft is 1-5/8" diameter, Pump shaft is 2-1/4" diameter, center distance between shafts is 25".

Procedure	Example																		
Step #1: Calculate the Design Horsepower DHP = DriveR HP x service factor (page B1–14)	Service Factor = 1.4 DHP = 15 HP x 1.4 SF = 21																		
Step #2: Choose the Belt Cross Section Reference Chart (page B1–15)	21 DHP and 1750 RPM falls in the 3VX section																		
Step #3: Check NEMA recommended Minimum Motor Sheave Outside Diameter (page B1–15)	NEMA minimum O.D. for a 15 HP 1750 RPM motor is 4.4 inches																		
Step #4: Calculate Speed Ratio Speed Ratio = DriveR RPM / DriveN RPM	Speed Ratio = 1750 RPM / 438 RPM = 4.0																		
Step #5: In the Drive Selection Tables corresponding to the correct belt section, locate the drive line with the same ratio. In the event of multiple lines, drives using larger diameters are usually more economical.	Lines 232 and 233 (page B1–30) are a 4.0 ratio. Line 233 should be used because line 232 has a 2.65 diameter driver which is below the NEMA recommended minimum.																		
Step #6: Note the following information from the drive line: DriveR sheave diameter DriveN sheave diameter Actual RPM - Under the corresponding motor RPM HP Rating Per Belt - Under the corresponding motor RPM Select the desired CD - To the right of the RPM and HP Arc-Length Correction Factor - Bold type above/below CD Belt Length - Column header above Selected CD	From line 233 DriveR OD = 4.75 DriveN OD = 19.0 DriveN speed = 438 RPM when DriveR @ 1750 RPM HP Per Belt = 6.04 HP when DriveR @ 1750 RPM CD = 25.3" Arc Length Correction Factor = .94 3VX900																		
Step #7: Calculate corrected HP per Belt CHP = HP per Belt x Arc Length Correction Factor	CHP = 6.04 x .94 = 5.68																		
Step #8: Determine number of belts required NOB = Design HP / CHP	NOB = 21 DHP / 5.68 CHP = 3.7 • use 4 belts																		
Step #9: Check for Dynamic Balance Recommendations Reference Chart (page B1–17)	OK as Standard - 3V4.75 x 4 static balance good to 4700 RPM OK as Standard - 3V19.0 x 4 static balance good to 2600 RPM																		
Step #10: Specify Drive Components Reference Component Dimensional pages for Product Number	<table border="0"> <thead> <tr> <th>Item</th> <th>Product No.</th> <th>Ref. Page</th> </tr> </thead> <tbody> <tr> <td>DR - 3V4.75 x 4 sheave</td> <td>3V4754</td> <td>(B1–4)</td> </tr> <tr> <td>- SDS Bushing for 1-5/8" bore</td> <td>SDS158</td> <td>(A1–4)</td> </tr> <tr> <td>DN - 3V19.0 x 4 sheave</td> <td>3V1904</td> <td>(B1–4)</td> </tr> <tr> <td>- SF Bushing for 2-1/4" bore</td> <td>SF214</td> <td>(A1–4)</td> </tr> <tr> <td>Belts - Qty. of 4 belts</td> <td>3VX900</td> <td>(B1–12)</td> </tr> </tbody> </table>	Item	Product No.	Ref. Page	DR - 3V4.75 x 4 sheave	3V4754	(B1–4)	- SDS Bushing for 1-5/8" bore	SDS158	(A1–4)	DN - 3V19.0 x 4 sheave	3V1904	(B1–4)	- SF Bushing for 2-1/4" bore	SF214	(A1–4)	Belts - Qty. of 4 belts	3VX900	(B1–12)
Item	Product No.	Ref. Page																	
DR - 3V4.75 x 4 sheave	3V4754	(B1–4)																	
- SDS Bushing for 1-5/8" bore	SDS158	(A1–4)																	
DN - 3V19.0 x 4 sheave	3V1904	(B1–4)																	
- SF Bushing for 2-1/4" bore	SF214	(A1–4)																	
Belts - Qty. of 4 belts	3VX900	(B1–12)																	

DRIVE SELECTION – NARROW BELTS

Using Drive Selection Tables and HP Rating Tables

Speeds Other than Common Motor Speeds and Speed-Up Applications

Example: A 20 HP 1900 RPM internal combustion engine driving a hammer mill operating at 3097 RPM, 8 hours a day. Motor shaft is 1-7/8" diameter, Mill shaft is 1-5/8" diameter, center distance between shafts is 36".

Procedure	Example																		
Step #1: Calculate the Design Horsepower DHP = DriveR HP x service factor (page B1–14)	Service Factor = 1.3 DHP = 20 HP x 1.3 = 26																		
Step #2: Choose the Belt Cross Section Reference chart (page B1–15)	26 DHP and 1900 RPM falls in the 3VX section																		
Step #3: Check NEMA recommended Minimum Motor Sheave Outside Diameter (page B1–15)	Does Not Apply - DriveR not NEMA Motor																		
Step #4: Calculate Speed Ratio Speed Ratio = Faster RPM / Slower RPM	Speed Ratio = 3097 RPM / 1900 RPM = 1.63																		
Step #5: In the Drive Selection Tables corresponding to the correct belt section, locate the drive line with the same ratio. In the event of multiple lines, drives using larger diameters are usually more economical.	Line 121 is a 1.63 ratio. Due to the application being a speed-up drive the DriveR and DriveN sheave are reversed in the table. Actual RPM = 1900 DriveR RPM x 1.63 = 3097 DriveN RPM																		
Step #6: Note the following information from the drive line: DriveR sheave diameter DriveN sheave diameter Select the desired CD - On the right hand page Arc-Length Correction Factor - Bold type above/below CD Belt Length - Column header above Selected CD	From line 121 DriveR OD = 10.6 DriveN OD = 6.5 CD = 36.5" Arc Length Correction Factor = 1.09 3VX1000																		
Step #7: In the HP Rating Tables, following the Drive Selection Tables, locate the HP per Belt under the correct Belt Section. (Use Small Sheave Diameter and RPM)	3VX HP Rating Tables (page B1–62 to 63) 6.5 diameter sheave @ 3097 RPM - HP/Belt = 13.4 NOTE: Interpolate between values to get 13.4																		
Step #8: Calculate corrected HP per Belt Add on for ratio is found to the right of the HP Rating Tables CHP = (HP per Belt + Add on) x Arc Length Correction Factor	Add on for 1.63 ratio = .47 CHP = (13.4 + .49) x 1.09 = 15.1																		
Step #9: Determine number of belts required NOB = Design HP / CHP	NOB = 26 DHP / 15.1 CHP = 1.7 • use 2 belts																		
Step #10: Check for Dynamic Balance Recommendations Reference Chart (page B1–17)	OK as Standard - 3V10.6 x 2 static balance good to 3600 RPM OK as Standard - 3V6.5 x 2 static balance good to 5850 RPM																		
Step 11: Stock cast iron parts are good to 6500 FPM If operating faster MTO ductile iron is required. FPM = diameter (in.) x RPM x .262	FPM = 10.6 x 1900 x .262 = 5277 FPM Stock cast iron parts are OK																		
Step #12: Specify Drive Components Reference Component Dimensional pages for Product Number	<table border="0"> <thead> <tr> <th>Item</th> <th>Product No.</th> <th>Ref. Page</th> </tr> </thead> <tbody> <tr> <td>DR - 3V10.6 x 2 sheave</td> <td>3V1062</td> <td>(B1–4)</td> </tr> <tr> <td>- SK Bushing for 1-7/8" bore</td> <td>SK178</td> <td>(A1–5)</td> </tr> <tr> <td>DN - 3V6.5 x 2 sheave</td> <td>3V652</td> <td>(B1–4)</td> </tr> <tr> <td>- SDS Bushing for 1-5/8" bore</td> <td>SDS158</td> <td>(A1–4)</td> </tr> <tr> <td>Belts - Qty. of 2 belts</td> <td>3VX1000</td> <td>(B1–12)</td> </tr> </tbody> </table>	Item	Product No.	Ref. Page	DR - 3V10.6 x 2 sheave	3V1062	(B1–4)	- SK Bushing for 1-7/8" bore	SK178	(A1–5)	DN - 3V6.5 x 2 sheave	3V652	(B1–4)	- SDS Bushing for 1-5/8" bore	SDS158	(A1–4)	Belts - Qty. of 2 belts	3VX1000	(B1–12)
Item	Product No.	Ref. Page																	
DR - 3V10.6 x 2 sheave	3V1062	(B1–4)																	
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DN - 3V6.5 x 2 sheave	3V652	(B1–4)																	
- SDS Bushing for 1-5/8" bore	SDS158	(A1–4)																	
Belts - Qty. of 2 belts	3VX1000	(B1–12)																	

DRIVE SELECTION – NARROW BELTS

MTO Drive Design

Non-Stock Diameters

Example: A 125 HP 1160 RPM motor driving a Piston Air Compressor operating at 800 RPM, 24 hours a day.
The motor shaft is 3-3/8", the Compressor is supplied with a 5V30.5 x 4 flywheel sheave mounted,
the center distance is 59".

Procedure	Example															
Step #1: Calculate the Design Horsepower DHP = DriveR HP x service factor (page B1-14)	Service Factor = 1.4 DHP = 125 HP x 1.4 = 175															
Step #2: Choose the Belt Cross Section Reference chart (page B1-15)	175 DHP and 1160 RPM intersect in the 5VX section <i>This agrees with the sheave supplied with the compressor</i>															
Step #3: Check NEMA recommended Minimum Motor Sheave Outside Diameter (page B1-15)	Minimum O.D. for a 125 HP 1160 RPM motor is 12.0 inches															
Step #4: Calculate Speed Ratio Speed Ratio = Faster RPM / Slower RPM	Speed Ratio = 1160 RPM / 800 RPM = 1.45															
Step #5: Use the Ratio and any diameter limits or known sheaves to determine the diameters of DriveR and DriveN. Try to utilize stock parts when possible.	5V30.5 x 4 Known DriveN Sheave 30.5 DriveN Sheave / 1.45 Ratio = 21.03 DriveR Sheave Use Stock 5V21.2 stock sheave															
Step #6: Using the diameter of the sheave the actual ratio and speed can be calculated.	Actual Ratio = 30.5 DriveN / 21.2 DriveR = 1.44 Actual RPM = 1160 RPM DriveN / 1.44 = 806 RPM DriveN															
Step #7: Calculate Belt Length to determine the closest stock belt. Then calculate the actual CD using the stock belt. (Formulas on page B1-16)	$BL = 2 \times 59 + 1.57 \times (30.5 + 21.2) + [(30.5 - 21.2)^2 / (4 \times 59)]$ BL = 199.5 • use a 5VX2000 Belt A = 200 - 1.57 x (30.5 + 21.2) = 118.8 CD = 1/2 x [118.8 - .04 x (30.5 - 21.2)] = 59.2"															
Step #8: Find the AC and LC correction factors. (page B1-16)	AC factor = .980 LC factor for 5VX2000 belts = 1.08															
Step #9: In the HP Rating Tables, following the Drive Selection Tables, locate the HP per Belt under the correct Belt Section. (Use Small Sheave Diameter and RPM)	5VX rating tables (page B1-64 to 65) 21.2 diameter @ 1160 RPM – HP / Belt = 52.0															
Step #10: Calculate corrected HP per Belt Add on for ratio is found to the right of the HP Rating Tables CHP = (HP per Belt + Add on) x AC x LC	Add on for 1.44 ratio = .79 CHP = (52.0 + .79) x .98 x 1.08 = 55.87															
Step #11: Determine number of belts required NOB = Design HP / CHP	NOB = 175 DHP / 55.87 CHP = 3.13 • use 4 belts															
Step #12: Check for Dynamic Balance Recommendations Reference Chart (page B1-17)	OK as Standard - 5V21.2 x 4 standard balance good to 1800 RPM OK as Standard - 5V30.5 x 4 standard balance good to 1250 RPM															
Step #13: Stock cast iron parts are good to 6500 FPM. If operating faster MTO ductile iron is required. FPM = diameter (in.) x RPM x .262	FPM = 21.2 x 1160 x .262 = 6443 FPM Standard Cast Iron Parts are OK															
Step #14: Specify Drive Components Reference Component Dimensional pages for Product Number	<table border="0"> <thead> <tr> <th>Item</th> <th>Product No.</th> <th>Ref. Page</th> </tr> </thead> <tbody> <tr> <td>DR - 5V21.2 x 4 sheave</td> <td>5V2124</td> <td>(B1-6)</td> </tr> <tr> <td>- E Bushing for 3-3/8" bore</td> <td>E338</td> <td>(A1-5)</td> </tr> <tr> <td>DN - Existing 5V30.5 x 4 sheave</td> <td></td> <td></td> </tr> <tr> <td>Belts - Qty. of 4 belts</td> <td>5VX2000</td> <td>(B1-12)</td> </tr> </tbody> </table>	Item	Product No.	Ref. Page	DR - 5V21.2 x 4 sheave	5V2124	(B1-6)	- E Bushing for 3-3/8" bore	E338	(A1-5)	DN - Existing 5V30.5 x 4 sheave			Belts - Qty. of 4 belts	5VX2000	(B1-12)
Item	Product No.	Ref. Page														
DR - 5V21.2 x 4 sheave	5V2124	(B1-6)														
- E Bushing for 3-3/8" bore	E338	(A1-5)														
DN - Existing 5V30.5 x 4 sheave																
Belts - Qty. of 4 belts	5VX2000	(B1-12)														

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT					
		Datum Diameter		Number Grooves	1160 RPM		1750 RPM		3500 RPM	
		DR	DN		Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings
1	1.00	2.20	2.20	1-2	1160	1.04	1750	1.46	3500	2.49
2	1.00	2.35	2.35	1-2	1160	1.22	1750	1.72	3500	2.98
3	1.00	2.50	2.50	1-3	1160	1.40	1750	1.98	3500	3.46
4	1.00	2.65	2.65	1-4	1160	1.58	1750	2.24	3500	3.94
5	1.00	2.80	2.80	1-4	1160	1.75	1750	2.49	3500	4.41
6	1.00	3.00	3.00	1-4	1160	1.99	1750	2.84	3500	5.03
7	1.00	3.15	3.15	1-4	1160	2.16	1750	3.09	3500	5.50
8	1.00	3.35	3.35	1-4	1160	2.39	1750	3.43	3500	6.11
9	1.00	3.65	3.65	1-4	1160	2.74	1750	3.93	3500	7.01
10	1.00	4.12	4.12	1-4	1160	3.28	1750	4.71	3500	8.38
11	1.00	4.50	4.50	1-4	1160	3.71	1750	5.33	3500	9.46
12	1.00	4.75	4.75	1-6,8,10	1160	3.99	1750	5.73	3500	10.14
13	1.00	5.00	5.00	1-6,8,10	1160	4.27	1750	6.14	3500	10.82
14	1.00	5.30	5.30	1-6,8,10	1160	4.60	1750	6.61	3500	11.61
15	1.00	5.60	5.60	1-6,8,10	1160	4.94	1750	7.09	3500	12.37
16	1.00	6.00	6.00	1-6,8,10	1160	5.38	1750	7.71	3500	13.36
17	1.00	6.50	6.50	1-6,8,10	1160	5.92	1750	8.48	3500	14.52
18	1.00	6.90	6.90	1-6,8,10	1160	6.35	1750	9.09	3500	15.41
19	1.00	8.00	8.00	1-6,8,10	1160	7.52	1750	10.71	--	--
20	1.00	10.60	10.60	1-6,8,10	1160	10.18	1750	14.28	--	--
21	1.05	3.00	3.15	1-4	1105	2.03	1667	2.89	3333	5.15
22	1.05	4.75	5.00	1-6,8,10	1102	4.03	1663	5.80	3325	10.27
23	1.06	4.50	4.75	1-4	1099	3.75	1658	5.39	3316	9.59
24	1.06	2.65	2.80	1-4	1098	1.62	1656	2.30	3313	4.07
25	1.06	5.30	5.60	1-6,8,10	1098	4.65	1656	6.68	3313	11.74
26	1.06	2.50	2.65	1-3	1094	1.44	1651	2.05	3302	3.60
27	1.06	5.00	5.30	1-6,8,10	1094	4.32	1651	6.20	3302	10.96
28	1.06	6.50	6.90	1-6,8,10	1093	5.97	1649	8.55	3297	14.67
29	1.06	3.15	3.35	1-4	1091	2.21	1646	3.16	3291	5.64
30	1.06	2.35	2.50	1-2	1090	1.27	1645	1.79	3290	3.12
31	1.07	2.20	2.35	1-2	1086	1.09	1638	1.53	3277	2.64
32	1.07	2.80	3.00	1-4	1083	1.81	1633	2.57	3267	4.57
33	1.07	5.60	6.00	1-6,8,10	1083	4.99	1633	7.17	3267	12.53
34	1.08	6.00	6.50	1-6,8,10	1071	5.44	1615	7.80	3231	13.54
35	1.09	3.35	3.65	1-4	1065	2.46	1606	3.52	3212	6.30
36	1.09	4.12	4.50	1-4	1062	3.34	1602	4.81	3204	8.58
37	1.11	4.50	5.00	1-4	1044	3.78	1575	5.44	3150	9.68
38	1.12	4.75	5.30	1-6,8,10	1040	4.07	1568	5.85	3137	10.38
39	1.12	3.00	3.35	1-4	1039	2.07	1567	2.95	3134	5.27
40	1.12	2.50	2.80	1-3	1036	1.48	1563	2.10	3125	3.70
41	1.12	5.00	5.60	1-6,8,10	1036	4.35	1563	6.26	3125	11.06
42	1.13	2.80	3.15	1-4	1031	1.84	1556	2.62	3111	4.66
43	1.13	2.35	2.65	1-2	1029	1.30	1552	1.84	3104	3.23
44	1.13	3.65	4.12	1-4	1028	2.82	1550	4.06	3101	7.26
45	1.13	2.65	3.00	1-4	1025	1.66	1546	2.37	3092	4.20
46	1.13	5.30	6.00	1-6,8,10	1025	4.69	1546	6.74	3092	11.87
47	1.14	2.20	2.50	1-2	1021	1.13	1540	1.59	3080	2.75
48	1.15	6.00	6.90	1-6,8,10	1009	5.47	1522	7.85	3043	13.64
49	1.15	4.12	4.75	1-4	1006	3.37	1518	4.85	3036	8.67
50	1.16	3.15	3.65	1-4	1001	2.26	1510	3.24	3021	5.79

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲

3VX 250	3VX 280	3VX 315	3VX 355	3VX 400	3VX 450	3VX 500	3VX 560	3VX 600	3VX 710	3VX 750	3VX 800	3VX 900	3VX 1000	3VX 1120	3VX 1250	LINE #
9.0	10.5	12.3	14.3	16.5	19.0	21.5	24.5	26.5	32.0	34.0	36.5	41.5	46.5	52.5	59.0	1
8.8	10.3	12.1	14.1	16.3	18.8	21.3	24.3	26.3	31.8	33.8	36.3	41.3	46.3	52.3	58.8	2
8.6	10.1	11.8	13.8	16.1	18.6	21.1	24.1	26.1	31.6	33.6	36.1	41.1	46.1	52.1	58.6	3
8.3	9.8	11.6	13.6	15.8	18.3	20.8	23.8	25.8	31.3	33.3	35.8	40.8	45.8	51.8	58.3	4
8.1	9.6	11.4	13.4	15.6	18.1	20.6	23.6	25.6	31.1	33.1	35.6	40.6	45.6	51.6	58.1	5
0.8	0.83	0.85	0.88	0.9	0.93	0.95	0.98	0.99	1.03	1.04	1.05	1.08	1.1	1.12	1.15	
7.8	9.3	11	13	15.3	17.8	20.3	23.3	25.3	30.8	32.8	35.3	40.3	45.3	51.3	57.8	6
7.6	9.1	10.8	12.8	15.1	17.6	20.1	23.1	25.1	30.6	32.6	35.1	40.1	45.1	51.1	57.6	7
7.2	8.7	10.5	12.5	14.7	17.2	19.7	22.7	24.7	30.2	32.2	34.7	39.7	44.7	50.7	57.2	8
6.8	8.3	10.0	12.0	14.3	16.8	19.3	22.3	24.3	29.8	31.8	34.3	39.3	44.3	50.3	56.8	9
6.0	7.5	9.3	11.3	13.5	16.0	18.5	21.5	23.5	29.0	31.0	33.5	38.5	43.5	49.5	56.0	10
0.8	0.83	0.85	0.88	0.9	0.93	0.95	0.98	0.99	1.03	1.04	1.05	1.08	1.1	1.12	1.15	
--	6.9	8.7	10.7	12.9	15.4	17.9	20.9	22.9	28.4	30.4	32.9	37.9	42.9	48.9	55.4	11
--	6.5	8.3	10.3	12.5	15.0	17.5	20.5	22.5	28.0	30.0	32.5	37.5	42.5	48.5	55.0	12
--	--	7.9	9.9	12.1	14.6	17.1	20.1	22.1	27.6	29.6	32.1	37.1	42.1	48.1	54.6	13
--	--	7.4	9.4	11.7	14.2	16.7	19.7	21.7	27.2	29.2	31.7	36.7	41.7	47.7	54.2	14
--	--	--	9.0	11.2	13.7	16.2	19.2	21.2	26.7	28.7	31.2	36.2	41.2	47.2	53.7	15
0	0.83	0.85	0.88	0.9	0.93	0.95	0.98	0.99	1.03	1.04	1.05	1.08	1.1	1.12	1.15	
--	--	--	8.3	10.6	13.1	15.6	18.6	20.6	26.1	28.1	30.6	35.6	40.6	46.6	53.1	16
--	--	--	--	9.8	12.3	14.8	17.8	19.8	25.3	27.3	29.8	34.8	39.8	45.8	52.3	17
--	--	--	--	9.2	11.7	14.2	17.2	19.2	24.7	26.7	29.2	34.2	39.2	45.2	51.7	18
--	--	--	--	--	9.9	12.4	15.4	17.4	22.9	24.9	27.4	32.4	37.4	43.4	49.9	19
--	--	--	--	--	--	--	--	13.3	18.8	20.8	23.3	28.3	33.3	39.3	45.8	20
0	0	0	0.88	0.9	0.93	0.95	0.98	0.99	1.03	1.04	1.05	1.08	1.1	1.12	1.15	
7.7	9.2	10.9	12.9	15.2	17.7	20.2	23.2	25.2	30.7	32.7	35.2	40.2	45.2	51.2	57.7	21
--	--	8.1	10.1	12.3	14.8	17.3	20.3	22.3	27.8	29.8	32.3	37.3	42.3	48.3	54.8	22
--	6.7	8.5	10.5	12.7	15.2	17.7	20.7	22.7	28.2	30.2	32.7	37.7	42.7	48.7	55.2	23
8.2	9.7	11.5	13.5	15.7	18.2	20.7	23.7	25.7	31.2	33.2	35.7	40.7	45.7	51.7	58.2	24
--	--	--	9.2	11.4	13.9	16.4	19.4	21.4	26.9	28.9	31.4	36.4	41.4	47.4	53.9	25
0.8	0.83	0.85	0.88	0.9	0.93	0.95	0.97	0.99	1.02	1.04	1.05	1.07	1.1	1.12	1.14	
8.5	10.0	11.7	13.7	16.0	18.5	21.0	24.0	26.0	31.5	33.5	36.0	41.0	46.0	52.0	58.5	26
--	--	7.7	9.7	11.9	14.4	16.9	19.9	21.9	27.4	29.4	31.9	36.9	41.9	47.9	54.4	27
--	--	--	--	9.5	12.0	14.5	17.5	19.5	25.0	27.0	29.5	34.5	39.5	45.5	52.0	28
7.4	8.9	10.6	12.6	14.9	17.4	19.9	22.9	24.9	30.4	32.4	34.9	39.9	44.9	50.9	57.4	29
8.7	10.2	11.9	13.9	16.2	18.7	21.2	24.2	26.2	31.7	33.7	36.2	41.2	46.2	52.2	58.7	30
0.8	0.83	0.85	0.88	0.9	0.93	0.95	0.97	0.99	1.02	1.04	1.05	1.07	1.1	1.12	1.14	
8.9	10.4	12.2	14.2	16.4	18.9	21.4	24.4	26.4	31.9	33.9	36.4	41.4	46.4	52.4	58.9	31
7.9	9.4	11.2	13.2	15.4	17.9	20.4	23.4	25.4	30.9	32.9	35.4	40.4	45.4	51.4	57.9	32
--	--	--	8.6	10.9	13.4	15.9	18.9	20.9	26.4	28.4	30.9	35.9	40.9	46.9	53.4	33
--	--	--	--	10.2	12.7	15.2	18.2	20.2	25.7	27.7	30.2	35.2	40.2	46.2	52.7	34
7.0	8.5	10.3	12.3	14.5	17.0	19.5	22.5	24.5	30.0	32.0	34.5	39.5	44.5	50.5	57.0	35
0.8	0.83	0.85	0.88	0.9	0.93	0.95	0.97	0.99	1.02	1.04	1.05	1.07	1.1	1.12	1.14	
--	7.2	9.0	11.0	13.2	15.7	18.2	21.2	23.2	28.7	30.7	33.2	38.2	43.2	49.2	55.7	36
--	6.5	8.3	10.3	12.5	15.0	17.5	20.5	22.5	28.0	30.0	32.5	37.5	42.5	48.5	55.0	37
--	--	7.9	9.9	12.1	14.6	17.1	20.1	22.1	27.6	29.6	32.1	37.1	42.1	48.1	54.6	38
7.5	9.0	10.8	12.8	15.0	17.5	20.0	23.0	25.0	30.5	32.5	35.0	40.0	45.0	51.0	57.5	39
8.3	9.8	11.6	13.6	15.8	18.3	20.8	23.8	25.8	31.3	33.3	35.8	40.8	45.8	51.8	58.3	40
0.8	0.82	0.85	0.87	0.9	0.93	0.95	0.97	0.99	1.02	1.04	1.05	1.07	1.1	1.12	1.14	
--	--	7.4	9.4	11.7	14.2	16.7	19.7	21.7	27.2	29.2	31.7	36.7	41.7	47.7	54.2	41
7.8	9.3	11.1	13.1	15.3	17.8	20.3	23.3	25.3	30.8	32.8	35.3	40.3	45.3	51.3	57.8	42
8.6	10.1	11.8	13.8	16.1	18.6	21.1	24.1	26.1	31.6	33.6	36.1	41.1	46.1	52.1	58.6	43
6.4	7.9	9.6	11.6	13.9	16.4	18.9	21.9	23.9	29.4	31.4	33.9	38.9	43.9	49.9	56.4	44
8.1	9.6	11.3	13.3	15.6	18.1	20.6	23.6	25.6	31.1	33.1	35.6	40.6	45.6	51.6	58.1	45
0.8	0.82	0.85	0.87	0.9	0.93	0.95	0.97	0.99	1.02	1.04	1.05	1.07	1.1	1.12	1.14	
--	--	--	8.9	11.1	13.6	16.1	19.1	21.1	26.6	28.6	31.1	36.1	41.1	47.1	53.6	46
8.8	10.3	12.1	14.1	16.3	18.8	21.3	24.3	26.3	31.8	33.8	36.3	41.3	46.3	52.3	58.8	47
--	--	--	--	9.9	12.4	14.9	17.9	19.9	25.4	27.4	29.9	34.9	39.9	45.9	52.4	48
--	7.0	8.8	10.8	13.0	15.5	18.0	21.0	23.0	28.5	30.5	33.0	38.0	43.0	49.0	55.5	49
7.2	8.7	10.4	12.4	14.7	17.2	19.7	22.7	24.7	30.2	32.2	34.7	39.7	44.7	50.7	57.2	50
0.8	0.82	0.85	0.87	0.9	0.92	0.95	0.97	0.99	1.02	1.03	1.05	1.07	1.1	1.12	1.14	

▲ Not all available belt lengths are shown.

■ Combined Arc-Length correction factors for 5 preceding lines.



LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT					
		Datum Diameter		Number Grooves	1160 RPM		1750 RPM		3500 RPM	
		DR	DN		Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings
51	1.16	6.90	8.00	1-6,8,10	1001	6.45	1509	9.23	3019	15.70
52	1.16	5.60	6.50	1-6,8,10	999	5.03	1508	7.23	3015	12.67
53	1.18	4.50	5.30	1-4	985	3.81	1486	5.49	2972	9.77
54	1.18	4.75	5.60	1-6,8,10	984	4.10	1484	5.89	2969	10.46
55	1.19	2.65	3.15	1-4	976	1.68	1472	2.40	2944	4.26
56	1.19	2.35	2.80	1-2	974	1.33	1469	1.88	2938	3.31
57	1.20	2.80	3.35	1-4	970	1.86	1463	2.66	2925	4.75
58	1.20	2.50	3.00	1-3	967	1.51	1458	2.15	2917	3.80
59	1.20	5.00	6.00	1-6,8,10	967	4.38	1458	6.31	2917	11.16
60	1.20	2.20	2.65	1-2	963	1.15	1453	1.63	2906	2.83
61	1.21	4.12	5.00	1-4	956	3.40	1442	4.88	2884	8.73
62	1.22	3.00	3.65	1-4	953	2.10	1438	3.01	2877	5.39
63	1.23	5.30	6.50	1-6,8,10	946	4.72	1427	6.80	2854	11.97
64	1.23	3.35	4.12	1-4	943	2.52	1423	3.61	2846	6.48
65	1.23	6.50	8.00	1-6,8,10	942	6.04	1422	8.66	2844	14.89
66	1.23	5.60	6.90	1-6,8,10	941	5.06	1420	7.27	2841	12.74
67	1.23	3.65	4.50	1-4	941	2.86	1419	4.12	2839	7.38
68	1.24	4.50	5.60	1-4	932	3.83	1406	5.52	2813	9.83
69	1.26	2.50	3.15	1-3	921	1.53	1389	2.17	2778	3.85
70	1.26	4.75	6.00	1-6,8,10	918	4.12	1385	5.93	2771	10.54
71	1.26	2.65	3.35	1-4	918	1.71	1384	2.43	2769	4.33
72	1.27	2.20	2.80	1-2	911	1.17	1375	1.66	2750	2.89
73	1.28	2.35	3.00	1-2	909	1.35	1371	1.92	2742	3.38
74	1.29	4.12	5.30	1-4	902	3.41	1360	4.91	2721	8.79
75	1.30	5.00	6.50	1-6,8,10	892	4.41	1346	6.35	2692	11.24
76	1.30	3.65	4.75	1-4	891	2.88	1345	4.14	2689	7.43
77	1.30	5.30	6.90	1-6,8,10	891	4.74	1344	6.82	2688	12.03
78	1.30	2.80	3.65	1-4	890	1.89	1342	2.71	2685	4.83
79	1.31	3.15	4.12	1-4	887	2.30	1338	3.30	2676	5.92
80	1.32	10.60	14.00	1-6,8,10	878	10.32	1325	14.50	--	--
81	1.33	8.00	10.60	1-6,8,10	875	7.66	1321	10.93	--	--
82	1.33	4.50	6.00	1-4	870	3.85	1313	5.55	2625	9.89
83	1.33	6.00	8.00	1-6,8,10	870	5.52	1313	7.93	2625	13.80
84	1.34	2.50	3.35	1-3	866	1.55	1306	2.20	2612	3.90
85	1.34	2.35	3.15	1-2	865	1.37	1306	1.94	2611	3.42
86	1.34	3.35	4.50	1-4	864	2.54	1303	3.65	2606	6.55
87	1.36	4.12	5.60	1-4	853	3.43	1287	4.93	2575	8.83
88	1.36	2.20	3.00	1-2	851	1.19	1283	1.68	2567	2.94
89	1.37	4.75	6.50	1-6,8,10	848	4.14	1279	5.96	2558	10.60
90	1.37	3.65	5.00	1-4	847	2.89	1278	4.16	2555	7.47
91	1.37	3.00	4.12	1-4	845	2.14	1274	3.07	2549	5.49
92	1.38	2.65	3.65	1-4	842	1.73	1271	2.47	2541	4.40
93	1.38	5.00	6.90	1-6,8,10	841	4.42	1268	6.37	2536	11.28
94	1.42	3.35	4.75	1-4	818	2.55	1234	3.67	2468	6.59
95	1.43	2.35	3.35	1-2	814	1.38	1228	1.96	2455	3.46
96	1.43	3.15	4.50	1-4	812	2.32	1225	3.33	2450	5.98
97	1.43	5.60	8.00	1-6,8,10	812	5.10	1225	7.33	2450	12.85
98	1.43	2.20	3.15	1-2	810	1.20	1222	1.70	2444	2.97
99	1.44	4.50	6.50	1-4	803	3.87	1212	5.57	2423	9.94
100	1.45	3.65	5.30	1-4	799	2.90	1205	4.18	2410	7.50

DRIVE SELECTION TABLES

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲

3VX 250	3VX 280	3VX 315	3VX 355	3VX 400	3VX 450	3VX 500	3VX 560	3VX 600	3VX 710	3VX 750	3VX 800	3VX 900	3VX 1000	3VX 1120	3VX 1250	LINE #
--	--	--	--	--	10.8	13.3	16.3	18.3	23.8	25.8	28.3	33.3	38.3	44.3	50.8	51
--	--	--	8.2	10.5	13.0	15.5	18.5	20.5	26.0	28.0	30.5	35.5	40.5	46.5	53.0	52
--	--	8.0	10.0	12.3	14.8	17.3	20.3	22.3	27.8	29.8	32.3	37.3	42.3	48.3	54.8	53
--	--	7.6	9.6	11.9	14.4	16.9	19.9	21.9	27.4	29.4	31.9	36.9	41.9	47.9	54.4	54
7.9	9.4	11.2	13.2	15.4	17.9	20.4	23.4	25.4	30.9	32.9	35.4	40.4	45.4	51.4	57.9	55
■ 0.8	0.82	0.84	0.87	0.9	0.92	0.94	0.97	0.98	1.02	1.03	1.05	1.07	1.1	1.12	1.14	
8.5	10	11.7	13.7	16.0	18.5	21.0	24.0	26.0	31.5	33.5	36.0	41.0	46.0	52.0	58.5	56
7.7	9.2	10.9	12.9	15.2	17.7	20.2	23.2	25.2	30.7	32.7	35.2	40.2	45.2	51.2	57.7	57
8.2	9.7	11.4	13.4	15.7	18.2	20.7	23.7	25.7	31.2	33.2	35.7	40.7	45.7	51.7	58.2	58
--	--	--	9.1	11.3	13.9	16.4	19.4	21.4	26.9	28.9	31.4	36.4	41.4	47.4	53.9	59
8.7	10.2	11.9	13.9	16.2	18.7	21.2	24.2	26.2	31.7	33.7	36.2	41.2	46.2	52.2	58.7	60
■ 0.8	0.82	0.85	0.87	0.9	0.92	0.95	0.97	0.99	1.02	1.03	1.05	1.07	1.1	1.12	1.14	
--	6.8	8.6	10.6	12.8	15.3	17.8	20.8	22.8	28.3	30.3	32.8	37.8	42.8	48.8	55.3	61
7.3	8.8	10.5	12.5	14.8	17.3	19.8	22.8	24.8	30.3	32.3	34.8	39.8	44.8	50.8	57.3	62
--	--	--	8.5	10.7	13.2	15.7	18.7	20.7	26.2	28.2	30.7	35.7	40.7	46.7	53.2	63
6.6	8.1	9.9	11.9	14.1	16.6	19.1	22.1	24.1	29.6	31.6	34.1	39.1	44.1	50.1	56.6	64
--	--	--	--	--	11.1	13.6	16.6	18.6	24.1	26.1	28.6	33.6	38.6	44.6	51.1	65
■ 0.79	0.82	0.84	0.87	0.9	0.92	0.94	0.97	0.98	1.02	1.03	1.05	1.07	1.09	1.12	1.14	
--	--	--	--	10.2	12.7	15.2	18.2	20.2	25.7	27.7	30.2	35.2	40.2	46.2	52.7	66
6.1	7.6	9.3	11.3	13.6	16.1	18.6	21.6	23.6	29.1	31.1	33.6	38.6	43.6	49.6	56.1	67
--	--	--	7.8	9.8	12.1	14.6	17.1	20.1	25.6	27.6	30.1	35.1	40.1	46.1	52.6	68
8.1	9.6	11.3	13.3	15.6	18.1	20.6	23.6	25.6	31.1	33.1	35.6	40.6	45.6	51.6	58.1	69
--	--	7.3	9.3	11.5	14.0	16.5	19.5	21.5	27.0	29.1	31.6	36.6	41.6	47.6	54.1	70
■ 0.79	0.82	0.84	0.87	0.89	0.92	0.94	0.97	0.98	1.02	1.03	1.05	1.07	1.09	1.12	1.14	
7.8	9.3	11.0	13.0	15.3	17.8	20.3	23.3	25.3	30.8	32.8	35.3	40.3	45.3	51.3	57.8	71
8.6	10.1	11.8	13.8	16.1	18.6	21.1	24.1	26.1	31.6	33.6	36.1	41.1	46.1	52.1	58.6	72
8.3	9.8	11.5	13.5	15.8	18.3	20.8	23.8	25.8	31.3	33.3	35.8	40.8	45.8	51.8	58.3	73
--	6.6	8.3	10.3	12.6	15.1	17.6	20.6	22.6	28.1	30.1	32.6	37.6	42.6	48.6	55.1	74
--	--	--	8.7	10.9	13.4	16.0	19.0	21.0	26.5	28.5	31.0	36.0	41.0	47.0	53.5	75
■ 0.8	0.82	0.84	0.87	0.9	0.92	0.94	0.97	0.98	1.02	1.03	1.05	1.07	1.09	1.12	1.14	
--	7.4	9.1	11.1	13.4	15.9	18.4	21.4	23.4	28.9	30.9	33.4	38.4	43.4	49.4	55.9	76
--	--	--	8.1	10.4	12.9	15.4	18.4	20.4	25.9	27.9	30.4	35.4	40.4	46.4	52.9	77
7.4	8.9	10.7	12.7	14.9	17.4	19.9	22.9	24.9	30.4	32.4	34.9	39.9	44.9	50.9	57.4	78
6.8	8.3	10	12	14.3	16.8	19.3	22.3	24.3	29.8	31.8	34.3	39.3	44.3	50.3	56.8	79
--	--	--	--	--	--	--	--	--	16.1	18.1	20.6	25.6	30.6	36.6	43.1	80
■ 0.79	0.82	0.84	0.87	0.89	0.92	0.94	0.97	0.98	1.02	1.03	1.04	1.07	1.09	1.12	1.14	
--	--	--	--	--	--	--	13.3	15.3	20.9	22.9	25.4	30.4	35.4	41.4	47.9	81
--	--	7.5	9.5	11.7	14.2	16.7	19.7	21.7	27.2	29.2	31.7	36.7	41.7	47.7	54.2	82
--	--	--	--	8.9	11.5	14.0	17.0	19.0	24.5	26.5	29.0	34.0	39.0	45.0	51.5	83
7.9	9.4	11.1	13.1	15.4	17.9	20.4	23.4	25.4	30.9	32.9	35.4	40.4	45.4	51.4	57.9	84
8.2	9.7	11.4	13.4	15.7	18.2	20.7	23.7	25.7	31.2	33.2	35.7	40.7	45.7	51.7	58.2	85
■ 0.79	0.82	0.84	0.87	0.89	0.92	0.94	0.96	0.98	1.02	1.03	1.04	1.07	1.09	1.12	1.14	
6.3	7.8	9.6	11.6	13.8	16.3	18.8	21.8	23.8	29.3	31.3	33.8	38.8	43.8	49.8	56.3	86
--	--	8.1	10.1	12.3	14.8	17.4	20.4	22.4	27.9	29.9	32.4	37.4	42.4	48.4	54.9	87
8.4	9.9	11.7	13.7	15.9	18.4	20.9	23.9	25.9	31.4	33.4	35.9	40.9	45.9	51.9	58.4	88
--	--	--	8.9	11.1	13.6	16.1	19.1	21.1	26.6	28.6	31.1	36.1	41.1	47.1	53.6	89
--	7.2	8.9	10.9	13.2	15.7	18.2	21.2	23.2	28.7	30.7	33.2	38.2	43.2	49.2	55.7	90
■ 0.79	0.81	0.84	0.86	0.89	0.92	0.94	0.97	0.98	1.02	1.03	1.05	1.07	1.09	1.12	1.14	
6.9	8.4	10.1	12.1	14.4	16.9	19.4	22.4	24.4	29.9	31.9	34.4	39.4	44.4	50.4	56.9	91
7.5	9.0	10.8	12.8	15.0	17.5	20.0	23.0	25.0	30.5	32.5	35.0	40.0	45.0	51.0	57.5	92
--	--	--	8.3	10.6	13.1	15.6	18.6	20.6	26.1	28.1	30.6	35.6	40.6	46.6	53.1	93
6.1	7.6	9.4	11.4	13.6	16.1	18.6	21.6	23.6	29.1	31.1	33.6	38.6	43.6	49.6	56.1	94
8.0	9.5	11.3	13.3	15.5	18.0	20.5	23.5	25.5	31.0	33.0	35.5	40.5	45.5	51.5	58.0	95
■ 0.79	0.81	0.84	0.86	0.89	0.92	0.94	0.97	0.98	1.02	1.03	1.05	1.07	1.09	1.12	1.14	
6.5	8.0	9.7	11.7	14.0	16.5	19.0	22.0	24.0	29.5	31.5	34.0	39.0	44.0	50.0	56.5	96
--	--	--	--	9.2	11.8	14.3	17.3	19.3	24.8	26.8	29.3	34.3	39.3	45.3	51.8	97
8.3	9.8	11.5	13.5	15.8	18.3	20.8	23.8	25.8	31.3	33.3	35.8	40.8	45.8	51.8	58.3	98
--	--	--	9.1	11.3	13.8	16.3	19.3	21.3	26.8	28.8	31.3	36.3	41.3	47.4	53.9	99
--	6.9	8.7	10.7	12.9	15.4	18.0	21.0	23.0	28.5	30.5	33.0	38.0	43.0	49.0	55.5	100
■ 0.79	0.81	0.84	0.86	0.89	0.91	0.94	0.96	0.98	1.02	1.03	1.04	1.07	1.09	1.12	1.14	

▲ Not all available belt lengths are shown.

■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT					
		Datum Diameter		Number Grooves	1160 RPM		1750 RPM		3500 RPM	
		DR	DN		Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings
101	1.45	4.75	6.90	1-6,8,10	799	4.15	1205	5.98	2409	10.64
102	1.46	4.12	6.00	1-4	797	3.44	1202	4.95	2403	8.87
103	1.46	2.50	3.65	1-3	795	1.56	1199	2.22	2397	3.95
104	1.47	2.80	4.12	1-4	788	1.92	1189	2.74	2379	4.91
105	1.49	3.35	5.00	1-4	777	2.56	1173	3.68	2345	6.61
106	1.50	3.00	4.50	1-4	773	2.15	1167	3.09	2333	5.54
107	1.51	3.15	4.75	1-4	769	2.33	1161	3.34	2321	6.01
108	1.51	5.30	8.00	1-6,8,10	769	4.77	1159	6.87	2319	12.11
109	1.52	2.20	3.35	1-2	762	1.21	1149	1.71	2299	3.00
110	1.53	4.50	6.90	1-4	757	3.88	1141	5.59	2283	9.97
111	1.53	3.65	5.60	1-4	756	2.91	1141	4.19	2281	7.52
112	1.54	6.90	10.60	1-6,8,10	755	6.52	1139	9.34	2278	15.92
113	1.55	2.35	3.65	1-2	747	1.39	1127	1.98	2253	3.50
114	1.55	2.65	4.12	1-4	746	1.75	1126	2.50	2251	4.46
115	1.58	4.12	6.50	1-4	735	3.45	1109	4.97	2218	8.91
116	1.58	3.35	5.30	1-4	733	2.57	1106	3.69	2212	6.63
117	1.58	3.00	4.75	1-4	733	2.16	1105	3.10	2211	5.56
118	1.59	3.15	5.00	1-4	731	2.34	1103	3.35	2205	6.02
119	1.60	5.00	8.00	1-6,8,10	725	4.45	1094	6.40	2188	11.35
120	1.61	2.80	4.50	1-4	722	1.93	1089	2.76	2178	4.94
121	1.63	6.50	10.60	1-6,8,10	711	6.10	1073	8.75	2146	15.06
122	1.64	3.65	6.00	1-4	706	2.92	1065	4.20	2129	7.55
123	1.65	2.50	4.12	1-3	704	1.58	1062	2.25	2124	4.00
124	1.66	2.20	3.65	1-2	699	1.22	1055	1.73	2110	3.03
125	1.67	3.00	5.00	1-4	696	2.17	1050	3.11	2100	5.58
126	1.67	3.35	5.60	1-4	694	2.57	1047	3.70	2094	6.65
127	1.67	4.12	6.90	1-4	693	3.46	1045	4.98	2090	8.92
128	1.68	3.15	5.30	1-4	689	2.34	1040	3.36	2080	6.04
129	1.68	4.75	8.00	1-6,8,10	689	4.17	1039	6.01	2078	10.69
130	1.70	2.80	4.75	1-4	684	1.93	1032	2.77	2063	4.96
131	1.70	2.65	4.50	1-4	683	1.76	1031	2.51	2061	4.48
132	1.75	8.00	14.00	1-6,8,10	663	7.70	1000	10.99	--	--
133	1.75	2.35	4.12	1-2	662	1.40	998	1.99	1996	3.53
134	1.77	3.00	5.30	1-4	657	2.17	991	3.11	1981	5.59
135	1.77	6.00	10.60	1-6,8,10	657	5.56	991	7.99	1981	13.91
136	1.78	3.15	5.60	1-4	653	2.35	984	3.37	1969	6.05
137	1.78	4.50	8.00	1-4	653	3.89	984	5.61	1969	10.01
138	1.78	3.65	6.50	1-4	651	2.93	983	4.21	1965	7.57
139	1.79	2.80	5.00	1-4	650	1.94	980	2.77	1960	4.97
140	1.79	3.35	6.00	1-4	648	2.58	977	3.71	1954	6.67
141	1.79	2.65	4.75	1-4	647	1.76	976	2.52	1953	4.50
142	1.79	10.60	19.00	1-6,8,10	647	10.36	976	14.56	--	--
143	1.80	2.50	4.50	1-3	644	1.58	972	2.26	1944	4.02
144	1.87	3.00	5.60	1-4	621	2.17	938	3.12	1875	5.60
145	1.87	2.20	4.12	1-2	619	1.23	934	1.74	1869	3.06
146	1.89	2.65	5.00	1-4	615	1.76	928	2.52	1855	4.50
147	1.89	3.65	6.90	1-4	614	2.93	926	4.21	1851	7.58
148	1.89	2.80	5.30	1-4	613	1.94	925	2.78	1849	4.98
149	1.89	5.60	10.60	1-6,8,10	613	5.12	925	7.37	1849	12.94
150	1.90	2.50	4.75	1-3	611	1.59	921	2.26	1842	4.03

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲

3VX 250	3VX 280	3VX 315	3VX 355	3VX 400	3VX 450	3VX 500	3VX 560	3VX 600	3VX 710	3VX 750	3VX 800	3VX 900	3VX 1000	3VX 1120	3VX 1250	LINE #
--	--	--	8.5	10.8	13.3	15.8	18.8	20.8	26.3	28.3	30.8	35.8	40.8	46.8	53.3	101
--	--	7.7	9.8	12.0	14.5	17.0	20.0	22.0	27.5	29.5	32.0	37.0	42.0	48.0	54.5	102
7.6	9.2	10.9	12.9	15.2	17.7	20.2	23.2	25.2	30.7	32.7	35.2	40.2	45.2	51.2	57.7	103
7.0	8.5	10.3	12.3	14.6	17.1	19.6	22.6	24.6	30.1	32.1	34.6	39.6	44.6	50.6	57.1	104
--	7.4	9.2	11.2	13.4	15.9	18.4	21.4	23.4	28.9	30.9	33.4	38.4	43.4	49.4	55.9	105
■ 0.79	0.81	0.83	0.86	0.89	0.92	0.94	0.97	0.98	1.02	1.03	1.04	1.07	1.09	1.12	1.14	
6.6	8.1	9.8	11.8	14.1	16.6	19.1	22.1	24.1	29.6	31.6	34.1	39.1	44.1	50.1	56.6	106
6.2	7.8	9.5	11.5	13.8	16.3	18.8	21.8	23.8	29.3	31.3	33.8	38.8	43.8	49.8	56.3	107
--	--	--	--	9.5	12.0	14.5	17.5	19.5	25.0	27.0	29.5	34.5	39.5	45.5	52.0	108
8.1	9.6	11.4	13.4	15.6	18.1	20.6	23.6	25.6	31.1	33.1	35.6	40.6	45.6	51.6	58.1	109
--	--	--	8.7	11.0	13.5	16.0	19.0	21.0	26.5	28.5	31.0	36.0	41.0	47.0	53.5	110
■ 0.78	0.81	0.84	0.86	0.88	0.91	0.94	0.96	0.98	1.02	1.03	1.04	1.07	1.09	1.12	1.14	
--	6.7	8.4	10.4	12.7	15.2	17.7	20.7	22.7	28.2	30.2	32.7	37.7	42.7	48.7	55.2	111
--	--	--	--	--	--	11.1	14.1	16.1	21.7	23.7	26.2	31.2	36.2	42.2	48.7	112
7.8	9.3	11.0	13.0	15.3	17.8	20.3	23.3	25.3	30.8	32.8	35.3	40.3	45.3	51.3	57.8	113
7.1	8.7	10.4	12.4	14.7	17.2	19.7	22.7	24.7	30.2	32.2	34.7	39.7	44.7	50.7	57.2	114
--	--	7.3	9.3	11.6	14.1	16.6	19.6	21.6	27.1	29.1	31.6	36.6	41.6	47.6	54.1	115
■ 0.78	0.81	0.83	0.86	0.89	0.91	0.93	0.96	0.98	1.01	1.03	1.04	1.07	1.09	1.12	1.14	
--	7.1	8.9	10.9	13.2	15.7	18.2	21.2	23.2	28.7	30.7	33.2	38.2	43.2	49.2	55.7	116
6.4	7.9	9.6	11.6	13.9	16.4	18.9	21.9	23.9	29.4	31.4	33.9	38.9	43.9	49.9	56.4	117
6.0	7.5	9.3	11.3	13.6	16.1	18.6	21.6	23.6	29.1	31.1	33.6	38.6	43.6	49.6	56.1	118
--	--	--	--	9.7	12.2	14.7	17.7	19.7	25.2	27.2	29.8	34.8	39.8	45.8	52.3	119
6.7	8.2	10.0	12.0	14.2	16.7	19.2	22.3	24.3	29.8	31.8	34.3	39.3	44.3	50.3	56.8	120
■ 0.77	0.8	0.83	0.86	0.88	0.91	0.94	0.96	0.98	1.02	1.03	1.04	1.07	1.09	1.12	1.14	
--	--	--	--	--	--	11.4	14.4	16.4	22	24	26.5	31.5	36.5	42.5	49.0	121
--	--	8.1	10.1	12.4	14.9	17.4	20.4	22.4	27.9	29.9	32.4	37.4	42.4	48.4	54.9	122
7.3	8.8	10.5	12.5	14.8	17.3	19.8	22.8	24.8	30.3	32.3	34.8	39.8	44.8	50.8	57.3	123
7.9	9.4	11.1	13.1	15.4	17.9	20.4	23.4	25.4	30.9	32.9	35.4	40.4	45.4	51.4	57.9	124
6.1	7.7	9.4	11.4	13.7	16.2	18.7	21.7	23.7	29.2	31.2	33.7	38.7	43.7	49.7	56.2	125
■ 0.78	0.81	0.83	0.86	0.89	0.91	0.93	0.96	0.97	1.01	1.03	1.04	1.07	1.09	1.11	1.14	
--	6.9	8.6	10.7	12.9	15.4	17.9	20.9	22.9	28.4	30.4	33	38	43	49	55.5	126
--	--	--	9	11.3	13.8	16.3	19.3	21.3	26.8	28.8	31.3	36.3	41.3	47.3	53.8	127
--	7.3	9.0	11.1	13.3	15.8	18.3	21.3	23.3	28.8	30.8	33.3	38.3	43.4	49.4	55.9	128
--	--	--	--	9.9	12.4	14.9	17.9	19.9	25.4	27.4	29.9	34.9	40.0	46.0	52.5	129
6.5	8.0	9.8	11.8	14.0	16.5	19.0	22.0	24.1	29.6	31.6	34.1	39.1	44.1	50.1	56.6	130
■ 0.77	0.8	0.83	0.85	0.88	0.91	0.93	0.96	0.98	1.01	1.03	1.04	1.07	1.09	1.11	1.14	
6.8	8.3	10.1	12.1	14.4	16.9	19.4	22.4	24.4	29.9	31.9	34.4	39.4	44.4	50.4	56.9	131
--	--	--	--	--	--	--	--	--	18.0	20.0	22.5	27.6	32.6	38.6	45.1	132
7.4	8.9	10.6	12.6	14.9	17.4	19.9	22.9	24.9	30.4	32.4	34.9	39.9	44.9	50.9	57.4	133
--	7.4	9.2	11.2	13.4	15.9	18.4	21.5	23.5	29.0	31.0	33.5	38.5	43.5	49.5	56.0	134
--	--	--	--	--	--	11.7	14.8	16.8	22.3	24.4	26.9	31.9	36.9	42.9	49.4	135
■ 0.78	0.8	0.83	0.86	0.89	0.91	0.93	0.96	0.97	1	1.02	1.03	1.06	1.09	1.11	1.14	
--	7.0	8.8	10.8	13.1	15.6	18.1	21.1	23.1	28.6	30.6	33.1	38.1	43.1	49.1	55.6	136
--	--	--	--	10.0	12.6	15.1	18.1	20.1	25.6	27.6	30.1	35.1	40.1	46.1	52.7	137
--	--	7.6	9.7	11.9	14.5	17.0	20.0	22.0	27.5	29.5	32.0	37.0	42.0	48.0	54.5	138
6.3	7.8	9.6	11.6	13.8	16.3	18.8	21.8	23.8	29.4	31.4	33.9	38.9	43.9	49.9	56.4	139
--	6.5	8.3	10.3	12.6	15.1	17.6	20.6	22.6	28.1	30.1	32.6	37.6	42.6	48.6	55.1	140
■ 0.76	0.79	0.82	0.85	0.88	0.91	0.93	0.96	0.97	1.01	1.02	1.04	1.07	1.09	1.11	1.14	
6.6	8.1	9.9	11.9	14.1	16.7	19.2	22.2	24.2	29.7	31.7	34.2	39.2	44.2	50.2	56.7	141
--	--	--	--	--	--	--	--	--	--	--	--	21.3	26.4	32.5	39.0	142
6.9	8.4	10.2	12.2	14.5	17.0	19.5	22.5	24.5	30.0	32.0	34.5	39.5	44.5	50.5	57.0	143
--	7.1	8.9	10.9	13.2	15.7	18.2	21.2	23.2	28.7	30.7	33.2	38.2	43.2	49.2	55.7	144
7.5	9.0	10.7	12.8	15.0	17.5	20.0	23.0	25.0	30.5	32.5	35.0	40.0	45.0	51.0	57.5	145
■ 0.77	0.8	0.83	0.86	0.89	0.91	0.94	0.96	0.98	1.02	1.03	1.04	1.06	1.08	1.11	1.13	
6.4	7.9	9.7	11.7	13.9	16.4	19.0	22.0	24.0	29.5	31.5	34.0	39.0	44.0	50.0	56.5	146
--	--	7.3	9.3	11.6	14.1	16.6	19.6	21.7	27.2	29.2	31.7	36.7	41.7	47.7	54.2	147
6.0	7.5	9.3	11.3	13.6	16.1	18.6	21.6	23.6	29.1	31.1	33.6	38.6	43.6	49.6	56.1	148
--	--	--	--	--	--	12.0	15.1	17.1	22.6	24.6	27.2	32.2	37.2	43.2	49.7	149
6.7	8.2	10.0	12.0	14.3	16.8	19.3	22.3	24.3	29.8	31.8	34.3	39.3	44.3	50.3	56.8	150
■ 0.76	0.79	0.82	0.85	0.88	0.91	0.93	0.95	0.97	1.01	1.02	1.04	1.06	1.09	1.11	1.14	

▲ Not all available belt lengths are shown.

■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT					
		Datum Diameter		Number Grooves	1160 RPM		1750 RPM		3500 RPM	
		DR	DN		Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings
151	1.90	3.15	6.00	1-4	609	2.35	919	3.37	1838	6.07
152	1.91	2.35	4.50	1-2	606	1.41	914	2.00	1828	3.55
153	1.94	3.35	6.50	1-4	598	2.58	902	3.71	1804	6.68
154	1.94	4.12	8.00	1-4	597	3.47	901	4.99	1802	8.95
155	2.00	2.50	5.00	1-3	580	1.59	875	2.27	1750	4.03
156	2.00	2.65	5.30	1-4	580	1.77	875	2.52	1750	4.51
157	2.00	2.80	5.60	1-4	580	1.94	875	2.78	1750	4.99
158	2.00	3.00	6.00	1-4	580	2.18	875	3.12	1750	5.61
159	2.00	5.30	10.60	1-6,8,10	580	4.80	875	6.90	1750	12.18
160	2.02	2.35	4.75	1-2	574	1.41	866	2.01	1732	3.55
161	2.03	6.90	14.00	1-6,8,10	572	6.54	863	9.38	1725	15.98
162	2.05	2.20	4.50	1-2	567	1.23	856	1.75	1711	3.07
163	2.06	3.35	6.90	1-4	563	2.59	850	3.72	1699	6.69
164	2.06	3.15	6.50	1-4	562	2.35	848	3.38	1696	6.08
165	2.11	2.65	5.60	1-4	549	1.77	828	2.53	1656	4.52
166	2.12	2.50	5.30	1-3	547	1.59	825	2.27	1651	4.04
167	2.12	5.00	10.60	1-6,8,10	547	4.46	825	6.43	1651	11.40
168	2.13	2.35	5.00	1-2	545	1.41	823	2.01	1645	3.56
169	2.14	2.80	6.00	1-4	541	1.95	817	2.79	1633	4.99
170	2.15	6.50	14.00	1-6,8,10	539	6.11	812	8.77	1625	15.11
171	2.16	2.20	4.75	1-2	537	1.23	811	1.75	1621	3.07
172	2.17	3.00	6.50	1-4	535	2.18	808	3.13	1615	5.62
173	2.19	3.15	6.90	1-4	530	2.36	799	3.38	1598	6.08
174	2.19	3.65	8.00	1-4	529	2.93	798	4.22	1597	7.59
175	2.23	4.75	10.60	1-6,8,10	520	4.19	784	6.03	1568	10.73
176	2.24	2.50	5.60	1-3	518	1.59	781	2.27	1563	4.05
177	2.26	2.35	5.30	1-2	514	1.42	776	2.01	1552	3.56
178	2.26	2.65	6.00	1-4	512	1.77	773	2.53	1546	4.53
179	2.27	2.20	5.00	1-2	510	1.24	770	1.75	1540	3.08
180	2.30	3.00	6.90	1-4	504	2.18	761	3.13	1522	5.62
181	2.32	2.80	6.50	1-4	500	1.95	754	2.79	1508	5.00
182	2.33	6.00	14.00	1-6,8,10	497	5.57	750	8.01	1500	13.95
183	2.36	4.50	10.60	1-4	492	3.91	743	5.63	1486	10.05
184	2.36	10.60	25.00	2-6,8,10	492	10.38	742	14.58	--	--
185	2.38	8.00	19.00	1-6,8,10	488	7.72	737	11.01	--	--
186	2.38	2.35	5.60	1-2	487	1.42	734	2.01	1469	3.57
187	2.39	3.35	8.00	1-4	486	2.59	733	3.72	1466	6.70
188	2.40	2.50	6.00	1-3	483	1.59	729	2.27	1458	4.05
189	2.41	2.20	5.30	1-2	482	1.24	726	1.75	1453	3.08
190	2.45	2.65	6.50	1-4	473	1.77	713	2.53	1427	4.53
191	2.46	2.80	6.90	1-4	471	1.95	710	2.79	1420	5.00
192	2.50	5.60	14.00	1-6,8,10	464	5.13	700	7.38	1400	12.97
193	2.54	3.15	8.00	1-4	457	2.36	689	3.39	1378	6.09
194	2.55	2.20	5.60	1-2	456	1.24	688	1.75	1375	3.09
195	2.55	2.35	6.00	1-2	454	1.42	685	2.02	1371	3.57
196	2.57	4.12	10.60	1-4	451	3.48	680	5.01	1360	8.98
197	2.60	2.50	6.50	1-3	446	1.60	673	2.28	1346	4.06
198	2.60	2.65	6.90	1-4	446	1.77	672	2.54	1344	4.53
199	2.64	5.30	14.00	1-6,8,10	39	4.80	663	6.91	1325	12.20
200	2.67	3.00	8.00	1-4	435	2.19	656	3.14	1313	5.63

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲

3VX 250	3VX 280	3VX 315	3VX 355	3VX 400	3VX 450	3VX 500	3VX 560	3VX 600	3VX 710	3VX 750	3VX 800	3VX 900	3VX 1000	3VX 1120	3VX 1250	LINE #
--	6.7	8.4	10.5	12.7	15.2	17.8	20.8	22.8	28.3	30.3	32.8	37.8	42.8	48.8	55.3	151
7	8.6	10.3	12.3	14.6	17.1	19.6	22.6	24.6	30.1	32.1	34.6	39.6	44.6	50.6	57.1	152
--	--	7.9	9.9	12.2	14.7	17.2	20.2	22.2	27.7	29.7	32.2	37.2	42.2	48.2	54.7	153
--	--	--	8	10.3	12.8	15.4	18.4	20.4	25.9	27.9	30.4	35.4	40.4	46.4	52.9	154
6.5	8	9.8	11.8	14.1	16.6	19.1	22.1	24.1	29.6	31.6	34.1	39.1	44.1	50.1	56.6	155
■ 0.77	0.79	0.82	0.84	0.87	0.9	0.93	0.96	0.97	1.01	1.02	1.04	1.06	1.09	1.11	1.14	
6.1	7.6	9.4	11.4	13.7	16.2	18.7	21.7	23.7	29.2	31.2	33.7	38.7	43.7	49.7	56.2	156
--	7.3	9	11.1	13.3	15.8	18.3	21.4	23.4	28.9	30.9	33.4	38.4	43.4	49.4	55.9	157
--	6.8	8.5	10.6	12.8	15.4	17.9	20.9	22.9	28.4	30.4	32.9	37.9	42.9	48.9	55.4	158
--	--	--	--	--	--	12.2	15.3	17.3	22.9	24.9	27.4	32.4	37.4	43.4	49.9	159
6.8	8.3	10.1	12.1	14.4	16.9	19.4	22.4	24.4	29.9	31.9	34.4	39.4	44.4	50.4	56.9	160
■ 0.76	0.79	0.82	0.85	0.88	0.91	0.92	0.95	0.97	1.01	1.02	1.04	1.06	1.09	1.11	1.14	
--	--	--	--	--	--	--	--	13.1	18.7	20.8	23.3	28.4	33.4	39.4	45.9	161
7.1	8.7	10.4	12.4	14.7	17.2	19.7	22.7	24.7	30.2	32.2	34.7	39.7	44.7	50.7	57.2	162
--	--	7.5	9.5	11.8	14.3	16.9	19.9	21.9	27.4	29.4	31.9	36.9	41.9	47.9	54.4	163
--	--	8	10	12.3	14.8	17.3	20.4	22.4	27.9	29.9	32.4	37.4	42.4	48.4	54.9	164
--	7.4	9.2	11.2	13.4	16	18.5	21.5	23.5	29	31	33.5	38.5	43.5	49.5	56	165
■ 0.77	0.79	0.81	0.84	0.87	0.9	0.93	0.96	0.96	1	1.02	1.03	1.06	1.08	1.11	1.13	
6.2	7.7	9.5	11.5	13.8	16.3	18.8	21.8	23.8	29.3	31.3	33.8	38.8	43.9	49.9	56.4	166
--	--	--	--	--	9.8	12.4	15.5	17.5	23.1	25.1	27.6	32.6	37.6	43.7	50.2	167
6.6	8.1	9.9	11.9	14.2	16.7	19.2	22.2	24.2	29.7	31.7	34.2	39.2	44.2	50.2	56.7	168
--	6.9	8.7	10.7	13	15.5	18	21	23	28.5	30.5	33	38.1	43.1	49.1	55.6	169
--	--	--	--	--	--	--	--	13.4	19	21.1	23.6	28.7	33.7	39.7	46.2	170
■ 0.75	0.78	0.82	0.85	0.88	0.89	0.92	0.95	0.95	1	1.01	1.03	1.06	1.08	1.11	1.13	
6.9	8.4	10.2	12.2	14.5	17	19.5	22.5	24.5	30	32	34.5	39.5	44.5	50.5	57	171
--	--	8.1	10.1	12.4	14.9	17.5	20.5	22.5	28	30	32.5	37.5	42.5	48.5	55	172
--	--	7.6	9.7	12	14.5	17	20	22	27.5	29.5	32.1	37.1	42.1	48.1	54.6	173
--	--	--	8.3	10.6	13.2	15.7	18.7	20.7	26.3	28.3	30.8	35.8	40.8	46.8	53.3	174
--	--	--	--	--	10	12.6	15.7	17.7	23.3	25.3	27.8	32.8	37.8	43.8	50.4	175
■ 0.76	0.79	0.81	0.83	0.87	0.89	0.92	0.95	0.96	1	1.02	1.03	1.06	1.08	1.11	1.13	
5.9	7.5	9.3	11.3	13.5	16.1	18.6	21.6	23.6	29.1	31.1	33.6	38.6	43.6	49.6	56.1	176
6.3	7.9	9.6	11.6	13.9	16.4	18.9	21.9	23.9	29.5	31.5	34	39	44	50	56.5	177
--	7	8.8	10.8	13.1	15.6	18.1	21.1	23.1	28.7	30.7	33.2	38.2	43.2	49.2	55.7	178
6.7	8.2	10	12	14.3	16.8	19.3	22.3	24.3	29.8	31.8	34.3	39.3	44.3	50.3	56.8	179
--	--	7.7	9.8	12.1	14.6	17.1	20.1	22.1	27.7	29.7	32.2	37.2	42.2	48.2	54.7	180
■ 0.75	0.78	0.81	0.84	0.87	0.9	0.93	0.96	0.97	1.01	1.02	1.04	1.06	1.09	1.11	1.14	
--	6.4	8.2	10.3	12.6	15.1	17.6	20.6	22.6	28.1	30.1	32.6	37.7	42.7	48.7	55.2	181
--	--	--	--	--	--	--	--	13.7	19.4	21.4	24	29	34.1	40.1	46.6	182
--	--	--	--	--	10.2	12.8	15.8	17.9	23.4	25.5	28	33	38	44	50.5	183
--	--	--	--	--	--	--	--	--	--	--	--	--	20.8	27.1	33.8	184
--	--	--	--	--	--	--	--	--	--	15.3	18	23.1	28.3	34.4	40.9	185
■ 0	0.76	0.8	0.83	0.87	0.87	0.9	0.94	0.94	0.99	0.98	1	1.04	1.05	1.08	1.11	
6	7.6	9.4	11.4	13.7	16.2	18.7	21.7	23.7	29.2	31.2	33.7	38.7	43.7	49.7	56.2	186
--	--	--	8.5	10.8	13.4	15.9	18.9	21	26.5	28.5	31	36	41	47	53.5	187
--	7.1	8.9	10.9	13.2	15.7	18.2	21.3	23.3	28.8	30.8	33.3	38.3	43.3	49.3	55.8	188
6.4	8	9.7	11.8	14	16.5	19	22.1	24.1	29.6	31.6	34.1	39.1	44.1	50.1	56.6	189
--	6.5	8.3	10.4	12.7	15.2	17.7	20.7	22.7	28.2	30.3	32.8	37.8	42.8	48.8	55.3	190
■ 0.74	0.77	0.81	0.83	0.87	0.9	0.92	0.95	0.97	1.01	1.02	1.04	1.06	1.09	1.11	1.14	
--	--	7.9	9.9	12.2	14.7	17.3	20.3	22.3	27.8	29.8	32.3	37.3	42.3	48.3	54.8	191
--	--	--	--	--	--	--	11.9	14	19.7	21.7	24.2	29.3	34.3	40.4	46.9	192
--	--	--	8.7	11	13.5	16.1	19.1	21.1	26.6	28.6	31.1	36.2	41.2	47.2	53.7	193
6.1	7.7	9.5	11.5	13.8	16.3	18.8	21.8	23.8	29.3	31.3	33.8	38.8	43.8	49.8	56.3	194
--	7.2	9	11	13.3	15.8	18.4	21.4	23.4	28.9	30.9	33.4	38.4	43.4	49.4	55.9	195
■ 0.74	0.77	0.8	0.83	0.86	0.89	0.92	0.93	0.95	1	1.01	1.03	1.06	1.08	1.11	1.13	
--	--	--	--	--	10.4	13	16.1	18.1	23.7	25.7	28.3	33.3	38.3	44.3	50.8	196
--	6.6	8.4	10.5	12.8	15.3	17.8	20.8	22.8	28.4	30.4	32.9	37.9	42.9	48.9	55.4	197
--	--	8	10	12.3	14.8	17.4	20.4	22.4	27.9	29.9	32.4	37.4	42.4	48.5	55	198
--	--	--	--	--	--	--	12.1	14.2	19.9	21.9	24.5	29.5	34.6	40.6	47.1	199
--	--	--	8.8	11.1	13.6	16.2	19.2	21.2	26.7	28.8	31.3	36.3	41.3	47.3	53.8	200
■	0.75	0.79	0.82	0.86	0.88	0.91	0.92	0.95	0.99	1.01	1.02	1.05	1.08	1.1	1.13	

▲ Not all available belt lengths are shown.
 ■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT					
		Datum Diameter		Number Grooves	1160 RPM		1750 RPM		3500 RPM	
		DR	DN		Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings
201	2.73	2.20	6.00	1-2	425	1.24	642	1.76	1283	3.09
202	2.75	6.90	19.00	1-6,8,10	421	6.55	636	9.39	1271	16.01
203	2.76	2.50	6.90	1-3	420	1.60	634	2.28	1268	4.06
204	2.77	2.35	6.50	1-2	419	1.42	633	2.02	1265	3.58
205	2.80	5.00	14.00	1-6,8,10	414	4.47	625	6.44	1250	11.42
206	2.86	2.80	8.00	1-4	406	1.95	613	2.80	1225	5.01
207	2.90	3.65	10.60	1-4	399	2.94	603	4.23	1205	7.61
208	2.92	6.50	19.00	1-6,8,10	397	6.12	599	8.78	1197	15.13
209	2.94	2.35	6.90	1-2	395	1.42	596	2.02	1192	3.58
210	2.95	4.75	14.00	1-6,8,10	394	4.19	594	6.04	1188	10.75
211	2.95	2.20	6.50	1-2	393	1.24	592	1.76	1185	3.09
212	3.02	2.65	8.00	1-4	384	1.78	580	2.54	1159	4.54
213	3.11	4.50	14.00	1-4	373	3.91	563	5.63	1125	10.06
214	3.13	8.00	25.00	2-6,8,10	371	7.72	560	11.01	--	--
215	3.14	2.20	6.90	1-2	370	1.24	558	1.76	1116	3.09
216	3.16	10.60	33.50	3-6,8,10	367	10.38	554	14.59	--	--
217	3.16	3.35	10.60	1-4	367	2.59	553	3.73	1106	6.71
218	3.17	6.00	19.00	1-6,8,10	366	5.58	553	8.01	1105	13.96
219	3.20	2.50	8.00	1-3	363	1.60	547	2.28	1094	4.06
220	3.37	3.15	10.60	1-4	345	2.36	520	3.39	1040	6.10
221	3.39	5.60	19.00	1-6,8,10	342	5.14	516	7.39	1032	12.98
222	3.40	4.12	14.00	1-4	341	3.48	515	5.01	1030	8.99
223	3.40	2.35	8.00	1-2	341	1.42	514	2.02	1028	3.58
224	3.53	3.00	10.60	1-4	328	2.19	495	3.14	991	5.64
225	3.58	5.30	19.00	1-6,8,10	324	4.81	488	6.92	976	12.21
226	3.62	6.90	25.00	2-6,8,10	320	6.55	483	9.39	966	16.01
227	3.64	2.20	8.00	1-2	319	1.24	481	1.76	963	3.10
228	3.79	2.80	10.60	1-4	306	1.95	462	2.80	925	5.02
229	3.80	5.00	19.00	1-6,8,10	305	4.47	461	6.44	921	11.43
230	3.84	3.65	14.00	1-4	302	2.94	456	4.23	913	7.62
231	3.85	6.50	25.00	2-6,8,10	302	6.12	455	8.79	910	15.13
232	4.00	2.65	10.60	1-4	290	1.78	438	2.54	875	4.55
233	4.00	4.75	19.00	1-6,8,10	90	4.19	438	6.04	875	10.75
234	4.17	6.00	25.00	2-6,8,10	278	5.58	420	8.02	840	13.97
235	4.18	3.35	14.00	1-4	278	2.60	419	3.73	837	6.72
236	4.19	8.00	33.50	3-6,8,10	277	7.72	418	11.02	--	--
237	4.22	4.50	19.00	1-4	275	3.91	414	5.63	829	10.07
238	4.24	2.50	10.60	1-3	274	1.60	413	2.28	825	4.07
239	4.44	3.15	14.00	1-4	261	2.36	394	3.40	788	6.11
240	4.46	5.60	25.00	2-6,8,10	260	5.14	392	7.39	784	12.98
241	4.51	2.35	10.60	1-2	257	1.42	388	2.02	776	3.59
242	4.61	4.12	19.00	1-4	252	3.48	379	5.01	759	8.99
243	4.67	3.00	14.00	1-4	249	2.19	375	3.14	750	5.65
244	4.72	5.30	25.00	2-6,8,10	246	4.81	371	6.92	742	12.22
245	4.82	2.20	10.60	1-2	241	1.24	363	1.76	726	3.10
246	4.86	6.90	33.50	3-6,8,10	239	6.55	360	9.39	721	16.02
247	5.00	2.80	14.00	1-4	232	1.96	350	2.80	700	5.02
248	5.00	5.00	25.00	2-6,8,10	232	4.47	350	6.44	700	11.43
249	5.15	6.50	33.50	3-6,8,10	225	6.12	340	8.79	679	15.14
250	5.21	3.65	19.00	1-4	223	2.94	336	4.24	672	7.62

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲

																LINE #
3VX 280	3VX 315	3VX 355	3VX 400	3VX 450	3VX 500	3VX 560	3VX 600	3VX 710	3VX 750	3VX 800	3VX 900	3VX 1000	3VX 1120	3VX 1250	3VX 1320	
7.3	9.1	11.1	13.4	15.9	18.5	21.5	23.5	29.0	31.0	33.5	38.5	43.5	49.5	56.0	59.5	201
...	...	...	...	...	...	...	...	...	16.0	18.7	23.9	29.0	35.1	41.7	45.3	202
...	8.1	10.1	12.4	15.0	17.5	20.5	22.5	28.0	30.0	32.5	37.6	42.6	48.6	55.1	58.6	203
6.7	8.5	10.6	12.9	15.4	17.9	20.9	23.0	28.5	30.5	33.0	38.0	43.0	49.0	55.5	59.0	204
...	...	...	...	...	...	12.3	14.4	20.1	22.1	24.7	29.7	34.8	40.8	47.4	50.9	205
■	0.76	0.79	0.83	0.86	0.89	0.92	0.93	0.95	0.99	0.99	1.01	1.04	1.07	1.10	1.12	1.14 ■
...	...	8.9	11.2	13.8	16.3	19.3	21.4	26.9	28.9	31.4	36.4	41.4	47.4	54.0	57.5	206
...	...	...	...	10.7	13.4	16.4	18.5	24.1	26.1	28.6	33.6	38.7	44.7	51.2	54.7	207
...	...	...	...	...	...	...	...	16.3	18.9	24.2	29.3	35.4	42.0	45.5	...	208
...	8.2	10.2	12.5	15.1	17.6	20.6	22.6	28.1	30.1	32.7	37.7	42.7	48.7	55.2	58.7	209
...	...	...	...	...	...	12.4	14.5	20.2	22.3	24.8	29.9	35.0	41.0	47.5	51.1	210
■	0.78	0.81	0.85	0.87	0.90	0.91	0.94	0.99	0.98	1.00	1.04	1.06	1.09	1.12	1.13 ■	
6.8	8.6	10.7	13.0	15.5	18.0	21.1	23.1	28.6	30.6	33.1	38.1	43.1	49.1	55.6	59.1	211
...	...	9.0	11.3	13.9	16.4	19.5	21.5	27.0	29.0	31.5	36.5	41.5	47.6	54.1	57.6	212
...	...	...	...	...	...	12.6	14.7	20.4	22.5	25.0	30.1	35.1	41.2	47.7	51.2	213
...	...	...	...	...	...	...	...	...	...	...	...	...	...	25.8	29.6	214
...	...	...	...	...	...	...	...	...	...	...	...	22.5	28.8	35.6	39.2	215
■	0.75	0.79	0.81	0.85	0.89	0.91	0.91	0.94	0.99	1.00	1.02	1.05	1.05	1.08	1.08	1.10 ■
6.4	8.3	10.3	12.6	15.2	17.7	20.7	22.7	28.3	30.3	32.8	37.8	42.8	48.8	55.3	58.8	216
...	...	...	...	10.9	13.6	16.6	18.7	24.3	26.3	28.8	33.8	38.9	44.9	51.4	54.9	217
...	...	...	...	...	...	...	...	14.4	16.6	19.3	24.5	29.7	35.8	42.4	45.9	218
...	...	9.1	11.4	14.0	16.5	19.6	21.6	27.1	29.1	31.6	36.7	41.7	47.7	54.2	57.7	219
...	...	...	...	11.1	13.7	16.8	18.8	24.4	26.4	29.0	34.0	39.0	45.0	51.6	55.1	220
■	0.73	0.78	0.81	0.85	0.86	0.89	0.93	0.95	0.97	0.99	1.00	1.04	1.07	1.09	1.12	1.13 ■
...	...	...	...	...	...	...	...	14.6	16.8	19.5	24.8	29.9	36.1	42.7	46.2	221
...	...	...	...	...	...	12.8	15.0	20.7	22.7	25.3	30.4	35.4	41.5	48.0	51.5	222
...	7.1	9.2	11.5	14.1	16.6	19.7	21.7	27.2	29.2	31.7	36.8	41.8	47.8	54.3	57.8	223
...	...	...	...	11.2	13.8	16.9	18.9	24.5	26.5	29.1	34.1	39.1	45.2	51.7	55.2	224
...	...	...	...	...	...	...	...	14.8	17.0	19.7	25.0	30.1	36.3	42.9	46.4	225
■	0.74	0.80	0.84	0.85	0.89	0.90	0.93	0.93	0.96	0.98	1.02	1.05	1.08	1.11	1.12 ■	
...	...	...	...	...	...	...	...	...	...	...	...	23.2	29.6	36.3	39.9	226
...	7.2	9.3	11.6	14.2	16.7	19.8	21.8	27.3	29.3	31.9	36.9	41.9	47.9	54.4	57.9	227
...	...	...	8.6	11.3	13.9	17.0	19.1	24.7	26.7	29.2	34.3	39.3	45.3	51.8	55.3	228
...	...	...	...	...	...	...	...	15.0	17.2	19.9	25.2	30.3	36.5	43.1	46.6	229
...	...	...	...	...	...	13.1	15.3	21.0	23.1	25.6	30.7	35.8	41.8	48.4	51.9	230
■	0.74	0.79	0.80	0.85	0.89	0.90	0.92	0.95	0.97	0.99	1.03	1.04	1.07	1.10	1.12 ■	
...	...	...	...	...	...	...	...	...	...	...	17.9	23.4	29.8	36.6	40.2	231
...	...	...	8.7	11.4	14.0	17.1	19.2	24.8	26.8	29.3	34.4	39.4	45.4	51.9	55.5	232
...	...	...	...	...	...	...	...	15.2	17.4	20.1	25.3	30.5	36.7	43.3	46.8	233
...	...	...	...	...	...	...	...	...	...	...	...	...	...	27.5	31.3	234
...	...	...	...	...	...	...	...	...	...	...	18.2	23.8	30.2	36.9	40.5	235
■			0.76	0.83	0.87	0.91	0.93	0.92	0.95	0.97	0.94	1.00	1.05	1.06	1.08 ■	
...	...	...	...	...	...	13.3	15.5	21.2	23.3	25.8	30.9	36.0	42.0	48.6	52.1	236
...	...	...	...	...	...	...	...	15.3	17.5	20.2	25.5	30.7	36.8	43.4	47.0	237
...	...	...	8.8	11.5	14.1	17.2	19.3	24.9	26.9	29.4	34.5	39.5	45.5	52.1	55.6	238
...	...	...	...	...	...	13.4	15.6	21.3	23.4	26.0	31.1	36.1	42.2	48.7	52.2	239
...	...	...	...	...	...	...	...	...	...	...	18.4	24.0	30.4	37.2	40.8	240
■			0.76	0.83	0.87	0.87	0.90	0.93	0.96	0.98	0.99	1.03	1.07	1.10	1.11 ■	
...	...	...	8.9	11.6	14.2	17.3	19.4	25.0	27.0	29.5	34.6	39.6	45.6	52.2	55.7	241
...	...	...	...	...	...	...	...	15.6	17.8	20.5	25.8	30.9	37.1	43.7	47.3	242
...	...	...	...	...	...	13.5	15.7	21.4	23.5	26.1	31.2	36.2	42.3	48.8	52.4	243
...	...	...	...	...	...	...	...	...	...	...	18.6	24.2	30.6	37.4	41.0	244
...	...	...	...	...	...	...	...	...	...	...	...	...	...	38.1	32.0	245
■			0.76	0.82	0.87	0.88	0.90	0.93	0.95	0.98	0.98	1.02	1.06	1.07	1.09 ■	
...	...	...	9.0	11.7	14.3	17.4	19.5	25.1	27.1	29.6	34.7	39.7	45.8	52.3	55.8	246
...	...	...	...	...	10.3	13.7	15.8	21.6	23.6	26.2	31.3	36.4	42.4	49.0	52.5	247
...	...	...	...	...	...	...	...	...	...	...	18.8	24.4	30.8	37.6	41.2	248
...	...	...	...	...	...	...	...	...	...	...	...	...	...	28.4	32.3	249
...	...	...	...	...	...	...	...	15.9	18.1	20.8	26.1	31.3	37.4	44.0	47.6	250
■			0.76	0.82	0.81	0.87	0.90	0.93	0.95	0.97	0.98	1.02	1.06	1.07	1.09 ■	

▲ Not all available belt lengths are shown.
 ■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT					
		Datum Diameter		Number Grooves	1160 RPM		1750 RPM		3500 RPM	
		DR	DN		Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings
251	5.26	4.75	25.00	2-6,8,10	220	4.19	333	6.04	665	10.76
252	5.28	2.65	14.00	1-4	220	1.78	331	2.54	663	4.55
253	5.56	4.50	25.00	2-4	209	3.91	315	5.64	630	10.07
254	5.58	6.00	33.50	3-6,8,10	208	5.58	313	8.02	627	13.97
255	5.60	2.50	14.00	1-3	207	1.60	313	2.28	625	4.07
256	5.67	3.35	19.00	1-4	205	2.60	309	3.73	617	6.72
257	5.96	2.35	14.00	1-2	195	1.42	294	2.02	588	3.59
258	5.98	5.60	33.50	3-6,8,10	194	5.14	293	7.39	585	12.99
259	6.03	3.15	19.00	1-4	192	2.37	290	3.40	580	6.11
260	6.07	4.12	25.00	2-4	191	3.48	288	5.02	577	9.00
261	6.32	5.30	33.50	3-6,8,10	184	4.81	277	6.92	554	12.22
262	6.33	3.00	19.00	1-4	183	2.19	276	3.14	553	5.65
263	6.36	2.20	14.00	1-2	182	1.24	275	1.76	550	3.10
264	6.70	5.00	33.50	3-6,8,10	173	4.47	261	6.44	522	11.43
265	6.79	2.80	19.00	1-4	171	1.96	258	2.80	516	5.02
266	6.85	3.65	25.00	2-4	169	2.94	256	4.24	511	7.62
267	7.05	4.75	33.50	3-6,8,10	164	4.19	248	6.04	496	10.76
268	7.17	2.65	19.00	1-4	162	1.78	244	2.54	488	4.55
269	7.44	4.50	33.50	3-4	156	3.91	235	5.64	470	10.07
270	7.46	3.35	25.00	2-4	155	2.60	234	3.74	469	6.72
271	7.60	2.50	19.00	1-3	153	1.60	230	2.29	461	4.07
272	7.94	3.15	25.00	2-4	146	2.37	221	3.40	441	6.11
273	8.09	2.35	19.00	1-2	143	1.42	216	2.03	433	3.59
274	8.13	4.12	33.50	3-4	143	3.48	215	5.02	430	9.00
275	8.33	3.00	25.00	2-4	139	2.19	210	3.14	420	5.65
276	8.64	2.20	19.00	1-2	134	1.24	203	1.76	405	3.11
277	8.93	2.80	25.00	2-4	130	1.96	196	2.80	392	5.03
278	9.18	3.65	33.50	3-4	126	2.94	191	4.24	381	7.62
279	9.43	2.65	25.00	2-4	123	1.78	186	2.54	371	4.55
280	10.00	2.50	25.00	2-3	116	1.60	175	2.29	350	4.07
281	10.00	3.35	33.50	3-4	116	2.60	175	3.74	350	6.72
282	10.63	3.15	33.50	3-4	109	2.37	165	3.40	329	6.11
283	10.64	2.35	25.00	2-2	109	1.42	165	2.03	329	3.59
284	11.17	3.00	33.50	3-4	104	2.19	157	3.14	313	5.65
285	11.36	2.20	25.00	2-2	102	1.25	154	1.76	308	3.11
286	11.96	2.80	33.50	3-4	97	1.96	146	2.80	293	5.03
287	12.64	2.65	33.50	3-4	92	1.78	138	2.54	277	4.55
288	13.40	2.50	33.50	3-3	87	1.60	131	2.29	261	4.08
289	14.26	2.35	33.50	3-2	81	1.42	123	2.03	246	3.59
290	15.23	2.20	33.50	3-2	76	1.25	115	1.76	230	3.11

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲												LINE #
3VX 500	3VX 560	3VX 600	3VX 710	3VX 750	3VX 800	3VX 900	3VX 1000	3VX 1120	3VX 1250	3VX 1320	3VX 1400	
...	...	...	...	...	...	18.9	24.5	31.0	37.8	41.4	45.5	251
10.4	13.8	15.9	21.7	23.7	26.3	31.4	36.5	42.5	49.1	52.6	56.6	252
...	...	...	...	...	...	...	...	...	28.7	32.6	36.9	253
...	...	...	...	...	...	19.1	24.7	31.1	37.9	41.6	45.7	254
10.5	13.8	16.0	21.8	23.8	26.4	31.5	36.6	42.7	49.2	52.7	56.7	255
■ 0.76	■ 0.84	■ 0.88	■ 0.95	■ 0.96	■ 0.98	■ 0.94	■ 1.00	■ 1.04	■ 1.06	■ 1.08	■ 1.10	■
...	...	...	16.0	18.3	21.0	26.3	31.5	37.6	44.3	47.8	51.9	256
...	...	...	...	...	...	...	...	21.3	28.9	32.8	37.2	257
10.6	13.9	16.1	21.9	24.0	26.5	31.6	36.7	42.8	49.3	52.8	56.9	258
...	...	...	16.2	18.4	21.1	26.4	31.6	37.8	44.4	47.9	52.0	259
...	...	...	...	...	...	19.3	24.9	31.4	38.2	41.8	45.9	260
■ 0.76	■ 0.84	■ 0.88	■ 0.88	■ 0.91	■ 0.94	■ 0.96	■ 1.01	■ 1.00	■ 1.06	■ 1.08	■ 1.10	■
...	...	...	...	...	...	...	...	21.4	29.1	33.0	37.4	261
...	...	...	16.3	18.5	21.2	26.5	31.7	37.9	44.5	48.1	52.1	262
10.6	14.0	16.2	22.0	24.1	26.6	31.7	36.8	42.9	49.4	52.9	57.0	263
...	...	...	...	...	...	...	...	21.6	29.3	33.2	37.5	264
...	...	...	16.4	18.6	21.3	26.6	31.8	38.0	44.6	48.2	52.3	265
■ 0.75	■ 0.84	■ 0.87	■ 0.88	■ 0.91	■ 0.94	■ 0.99	■ 1.03	■ 0.97	■ 1.04	■ 1.06	■ 1.09	■
...	...	...	...	...	...	19.6	25.2	31.7	38.5	42.1	46.3	266
...	...	...	...	...	...	...	...	21.8	29.5	33.4	37.7	267
...	...	...	16.5	18.7	21.4	26.7	32.0	38.1	44.7	48.3	52.4	268
...	...	...	...	...	...	...	...	21.9	29.6	33.5	37.9	269
...	...	...	...	...	...	19.8	25.4	31.9	38.7	42.4	46.5	270
■			■ 0.85	■ 0.88	■ 0.92	■ 0.90	■ 0.97	■ 0.94	■ 1.02	■ 1.05	■ 1.07	■
...	...	...	16.6	18.8	21.5	26.8	32.1	38.2	44.9	48.4	52.5	271
...	...	...	...	...	...	19.9	25.6	32.0	38.9	42.5	46.6	272
...	...	...	...	...	...	...	...	22.1	29.9	33.8	38.1	273
...	...	...	16.7	18.9	21.6	26.9	32.2	38.3	45.0	48.5	52.6	274
...	...	...	...	...	...	20.0	25.7	32.1	39.0	42.6	46.7	275
■			■ 0.84	■ 0.88	■ 0.92	■ 0.92	■ 0.98	■ 0.99	■ 1.04	■ 1.07	■ 1.09	■
...	...	...	16.7	19.0	21.7	27.0	32.3	38.4	45.1	48.6	52.7	276
...	...	...	...	...	...	20.1	25.8	32.3	39.1	42.7	46.9	277
...	...	...	...	...	...	...	...	22.4	30.1	34.1	38.4	278
...	...	...	...	...	...	20.2	25.9	32.4	39.2	42.8	47.0	279
...	...	...	...	...	...	...	...	22.6	30.3	34.2	38.6	280
■			■ 0.84	■ 0.88	■ 0.92	■ 0.89	■ 0.96	■ 0.94	■ 1.02	■ 1.04	■ 1.07	■
...	...	...	...	...	...	20.3	26.0	32.5	39.3	42.9	47.1	281
...	...	...	...	...	...	...	...	22.7	30.5	34.4	38.7	282
...	...	...	...	...	...	20.4	26.1	32.5	39.4	43.0	47.2	283
...	...	...	...	...	...	...	...	22.8	30.5	34.5	38.8	284
...	...	...	...	...	...	20.5	26.2	32.6	39.5	43.1	47.3	285
■						■ 0.85	■ 0.94	■ 0.93	■ 1.01	■ 1.03	■ 1.06	■
...	...	...	...	...	...	...	...	22.9	30.7	34.6	39.0	286
...	...	...	...	...	...	...	...	23.0	30.8	34.7	39.1	287
...	...	...	...	...	...	...	...	23.1	30.8	34.8	39.1	288
...	...	...	...	...	...	...	...	23.2	30.9	34.9	39.2	289
...	...	...	...	...	...	...	...	23.3	31.0	35.0	39.3	290
■								■ 0.81	■ 0.95	■ 0.99	■ 1.02	■

- ▲ Not all available belt lengths are shown.
- Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						5VX	5V		5VX	5V		5VX	5V
1	1.00	4.40	4.40	2-6	1160	6.22	3.41	1750	8.70	4.36	3500	14.39	4.95
2	1.00	4.65	4.65	2-6	1160	7.03	4.20	1750	9.86	5.49	3500	16.42	6.79
3	1.00	4.90	4.90	2-6	1160	7.83	4.99	1750	11.02	6.61	3500	18.41	8.59
4	1.00	5.20	5.20	2-6	1160	8.78	5.93	1750	12.39	7.94	3500	20.76	10.67
5	1.00	5.50	5.50	2-6	1160	9.73	6.86	1750	13.75	9.25	3500	23.05	12.67
6	1.00	5.90	5.90	2-6	1160	10.99	8.09	1750	15.56	10.98	3500	26.01	15.19
7	1.00	6.30	6.30	2-6	1160	12.24	9.31	1750	17.34	12.69	3500	28.87	17.56
8	1.00	6.70	6.70	2-6	1160	13.48	10.52	1750	19.10	14.36	3500	31.62	19.75
9	1.00	7.10	7.10	2-10	1160	14.71	11.71	1750	20.84	16.01	3500	34.25	21.77
10	1.00	7.50	7.50	2-10	1160	15.93	12.90	1750	22.56	17.62	...	...	...
11	1.00	8.00	8.00	2-10	1160	17.45	14.36	1750	24.68	19.60	...	...	...
12	1.00	8.50	8.50	2-10	1160	18.95	15.81	1750	26.77	21.53	...	...	...
13	1.00	9.00	9.00	2-10	1160	20.44	17.24	1750	28.82	23.41	...	...	...
14	1.00	9.25	9.25	2-10	1160	21.18	17.94	1750	29.83	24.33	...	...	...
15	1.00	9.75	9.75	2-10	1160	22.65	19.34	1750	31.83	26.13	...	...	...
16	1.00	10.30	10.30	2-10	1160	24.25	20.86	1750	33.99	28.04	...	...	...
17	1.00	10.90	10.90	2-10	1160	25.97	22.49	1750	36.29	30.06	...	...	...
18	1.00	11.30	11.30	2-10	1160	27.11	23.56	1750	37.79	31.35	...	...	...
19	1.00	11.80	11.80	2-10	1160	28.52	24.87	1750	39.63	32.91	...	...	...
20	1.00	12.50	12.50	2-10	1160	30.47	26.68	1750	42.14	34.99	...	...	...
21	1.00	13.20	13.20	2-10	1160	32.39	28.45	1750	44.56	36.94	...	...	...
22	1.00	14.00	14.00	2-10	1160	34.55	30.41	1750	47.22	39.00	...	...	...
23	1.00	15.00	15.00	2-10	1160	37.19	32.78	...	...	...	...	...	...
24	1.00	16.00	16.00	2-10	1160	39.76	35.05	...	...	...	...	...	...
25	1.00	18.70	18.70	2-10	1160	46.36	40.66	...	...	...	...	...	...
26	1.03	9.00	9.25	2-10	1129	20.56	17.39	1703	29.00	23.64	...	...	...
27	1.04	10.90	11.30	2-10	1119	26.12	22.69	1688	36.52	30.35	...	...	...
28	1.04	11.30	11.80	2-10	1111	27.29	23.79	1676	38.06	31.70	...	...	...
29	1.05	4.65	4.90	2-6	1101	7.24	4.48	1661	10.18	5.90	3321	17.06	7.63
30	1.05	9.25	9.75	2-10	1101	21.39	18.22	1660	30.16	24.75	...	...	...
31	1.06	12.50	13.20	2-10	1098	30.69	26.97	1657	42.47	35.42	...	...	...
32	1.06	7.10	7.50	2-10	1098	14.93	12.00	1657	21.18	16.44	3313	34.92	22.64
33	1.06	9.75	10.30	2-10	1098	22.87	19.63	1657	32.17	26.56	...	...	...
34	1.06	4.40	4.65	2-6	1098	6.45	3.70	1656	9.03	4.79	3312	15.06	5.82
35	1.06	5.20	5.50	2-6	1097	9.01	6.22	1655	12.73	8.38	3309	21.44	11.56
36	1.06	10.30	10.90	2-10	1096	24.48	21.16	1654	34.33	28.49	...	...	...
37	1.06	8.50	9.00	2-10	1096	19.18	16.11	1653	27.12	21.98	...	...	...
38	1.06	11.80	12.50	2-10	1095	28.75	25.18	1652	39.98	33.36	...	...	...
39	1.06	6.70	7.10	2-6	1095	13.71	10.82	1651	19.45	14.82	3303	32.32	20.67
40	1.06	13.20	14.00	2-10	1094	32.63	28.76	1650	44.91	37.40	...	...	...
41	1.06	4.90	5.20	2-6	1093	8.06	5.30	1649	11.37	7.07	3298	19.13	9.52
42	1.06	8.00	8.50	2-10	1092	17.69	14.68	1647	25.05	20.08	...	...	...
43	1.06	6.30	6.70	2-6	1091	12.49	9.63	1646	17.71	13.17	3291	29.61	18.52
44	1.07	7.50	8.00	2-10	1088	16.19	13.23	1641	22.95	18.13	...	...	...
45	1.07	15.00	16.00	2-10	1088	37.44	33.11	...	...	...	...	...	...
46	1.07	5.90	6.30	2-6	1086	11.25	8.43	1639	15.95	11.49	3278	26.80	16.21
47	1.07	14.00	15.00	2-10	1083	34.82	30.76	1633	47.63	39.53	...	...	...
48	1.07	5.50	5.90	2-6	1081	10.01	7.22	1631	14.17	9.79	3263	23.88	13.75
49	1.08	10.90	11.80	2-10	1072	26.28	22.89	1617	36.75	30.65	...	...	...
50	1.08	9.00	9.75	2-10	1071	20.75	17.64	1615	29.29	24.01	...	...	...

Shaded area diameters are below industry standard for belt.

**5VX & 5V BELTS
IN 5V SHEAVES**

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						5VX	5V		5VX	5V		5VX	5V
51	1.09	8.50	9.25	2-10	1066	19.27	16.23	1608	27.25	22.16	...	...	...
52	1.10	10.30	11.30	2-10	1057	24.59	21.31	1595	34.51	28.73	...	...	...
53	1.11	11.30	12.50	2-10	1049	27.48	24.04	1582	38.35	32.08	...	...	...
54	1.11	9.25	10.30	2-10	1042	21.57	18.45	1572	30.42	25.10	...	...	...
55	1.11	4.40	4.90	2-6	1042	6.61	3.92	1571	9.29	5.12	3143	15.57	6.48
56	1.12	9.75	10.90	2-10	1038	23.05	19.87	1565	32.44	26.92	...	...	...
57	1.12	4.65	5.20	2-6	1037	7.43	4.73	1565	10.47	6.28	3130	17.64	8.38
58	1.12	11.80	13.20	2-10	1037	28.92	25.40	1564	40.24	33.70	...	...	...
59	1.12	6.70	7.50	2-6	1036	13.89	11.04	1563	19.71	15.16	3127	32.84	21.35
60	1.12	12.50	14.00	2-10	1036	30.88	27.21	1563	42.75	35.79	...	...	...
61	1.12	4.90	5.50	2-6	1033	8.24	5.53	1559	11.64	7.42	3118	19.66	10.21
62	1.13	8.00	9.00	2-10	1031	17.87	14.91	1556	25.31	20.42	...	...	...
63	1.13	7.10	8.00	2-10	1030	15.14	12.26	1553	21.48	16.84	3106	35.53	23.43
64	1.13	6.30	7.10	2-6	1029	12.66	9.86	1553	17.98	13.52	3106	30.15	19.22
65	1.13	7.50	8.50	2-10	1024	16.37	13.47	1544	23.22	18.49	...	...	...
66	1.13	18.70	21.20	2-10	1023	46.80	41.23	...	...	...	...	...	...
67	1.13	5.20	5.90	2-6	1022	9.22	6.50	1542	13.06	8.81	3085	22.09	12.40
68	1.14	5.90	6.70	2-6	1021	11.44	8.67	1541	16.23	11.86	3082	27.35	16.94
69	1.14	13.20	15.00	2-10	1021	32.84	29.03	1540	45.23	37.81	...	...	...
70	1.14	14.00	16.00	2-10	1015	35.01	31.01	1531	47.91	39.90	...	...	...
71	1.14	9.00	10.30	2-10	1014	20.91	17.84	1529	29.52	24.32	...	...	...
72	1.15	5.50	6.30	2-6	1013	10.20	7.47	1528	14.46	10.17	3056	24.46	14.50
73	1.15	10.30	11.80	2-10	1013	24.71	21.47	1528	34.69	28.96	...	...	...
74	1.15	10.90	12.50	2-10	1012	26.44	23.10	1526	37.00	30.98	...	...	...
75	1.15	8.50	9.75	2-10	1011	19.42	16.42	1526	27.48	22.45	...	...	...
76	1.16	8.00	9.25	2-10	1003	17.94	15.00	1514	25.42	20.56	...	...	...
77	1.16	9.75	11.30	2-10	1001	23.14	19.99	1510	32.58	27.10	...	...	...
78	1.17	11.30	13.20	2-10	993	27.62	24.23	1498	38.56	32.36	...	...	...
79	1.17	16.00	18.70	2-10	993	40.27	35.72	...	...	...	...	...	...
80	1.18	9.25	10.90	2-10	984	21.71	18.64	1485	30.64	25.38	...	...	...
81	1.18	4.40	5.20	2-6	982	6.76	4.11	1481	9.51	5.42	2962	16.02	7.07
82	1.18	4.65	5.50	2-6	981	7.57	4.91	1480	10.68	6.55	2959	18.05	8.92
83	1.19	11.80	14.00	2-10	978	29.07	25.59	1475	40.46	33.99	...	...	...
84	1.19	6.30	7.50	2-6	974	12.80	10.03	1470	18.18	13.78	2940	30.55	19.74
85	1.19	6.70	8.00	2-6	971	14.04	11.25	1466	19.95	15.46	2931	33.31	21.96
86	1.20	7.10	8.50	2-10	969	15.28	12.45	1462	21.70	17.12	2924	35.96	24.00
87	1.20	7.50	9.00	2-10	967	16.51	13.64	1458	23.42	18.75	...	...	...
88	1.20	12.50	15.00	2-10	967	31.04	27.43	1458	43.00	36.11	...	...	...
89	1.20	5.90	7.10	2-6	964	11.57	8.84	1454	16.43	12.12	2908	27.76	17.46
90	1.20	4.90	5.90	2-6	963	8.41	5.74	1453	11.89	7.74	2907	20.16	10.86
91	1.21	9.75	11.80	2-10	958	23.24	20.11	1446	32.72	27.28	...	...	...
92	1.21	10.90	13.20	2-10	958	26.56	23.26	1445	37.18	31.21	...	...	...
93	1.21	9.00	10.90	2-10	958	21.03	18.01	1445	29.71	24.57	...	...	...
94	1.21	5.20	6.30	2-6	957	9.37	6.70	1444	13.28	9.10	2889	22.54	12.99
95	1.21	8.50	10.30	2-10	957	19.54	16.58	1444	27.66	22.69	...	...	...
96	1.21	13.20	16.00	2-10	957	32.98	29.22	1444	45.45	38.10	...	...	...
97	1.21	10.30	12.50	2-10	956	24.84	21.63	1442	34.89	29.21	...	...	...
89	1.22	5.50	6.70	2-6	952	10.33	7.64	1437	14.66	10.43	2873	24.86	15.03
99	1.22	8.00	9.75	2-10	952	18.05	15.15	1436	25.59	20.78	...	...	...
100	1.22	9.25	11.30	2-10	950	21.79	18.73	1433	30.75	25.52	...	...	...

Shaded area diameters are below industry standard for belt.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						5VX	5V		5VX	5V		5VX	5V
251	1.88	11.30	21.20	2-10	618	28.07	24.80	933	39.23	33.22	...	...	...
252	1.88	8.50	16.00	2-10	616	19.91	17.05	930	28.21	23.41	...	...	...
253	1.89	4.90	9.25	2-6	614	8.78	6.23	927	12.46	8.49	1854	21.30	12.35
254	1.89	12.50	23.60	2-10	614	31.43	27.93	927	43.58	36.87	...	...	...
255	1.92	5.90	11.30	2-6	606	11.95	9.34	914	17.01	12.87	1827	28.91	18.97
256	1.92	9.75	18.70	2-10	605	23.61	20.59	912	33.28	28.02	...	...	...
257	1.93	4.40	8.50	2-6	600	7.19	4.66	906	10.15	6.25	1812	17.29	8.73
258	1.94	4.65	9.00	2-6	599	7.99	5.46	904	11.31	7.38	1808	19.33	10.58
259	1.94	10.90	21.20	2-10	596	26.94	23.74	900	37.74	31.95	...	...	...
260	1.97	16.00	31.50	3-10	589	40.73	36.31	...	...	...	...	...	...
261	1.97	6.70	13.20	2-6	589	14.45	11.78	888	20.56	16.26	1777	34.54	23.55
262	1.97	7.10	14.00	2-10	588	15.68	12.97	888	22.30	17.91	1775	37.17	25.57
263	1.98	5.20	10.30	2-6	586	9.75	7.19	883	13.85	9.84	1767	23.68	14.47
264	1.98	5.50	10.90	2-6	585	10.70	8.12	883	15.22	11.15	1766	25.97	16.47
265	1.98	6.30	12.50	2-6	585	13.21	10.57	882	18.80	14.59	1764	31.80	21.36
266	1.99	4.65	9.25	2-6	583	8.00	5.47	880	11.32	7.39	1759	19.35	10.60
267	1.99	4.90	9.75	2-6	583	8.80	6.25	879	12.48	8.51	1759	21.34	12.40
268	2.00	5.90	11.80	2-6	580	11.96	9.35	875	17.02	12.89	1750	28.94	19.01
269	2.00	7.50	15.00	2-10	580	16.91	14.16	875	24.03	19.53	...	...	...
270	2.00	8.00	16.00	2-10	580	18.42	15.63	875	26.15	21.51	...	...	...
271	2.00	11.80	23.60	2-10	580	29.49	26.14	875	41.09	34.82	...	...	...
272	2.00	14.00	28.00	2-10	580	35.52	31.68	875	48.68	40.91	...	...	...
273	2.01	18.70	37.50	3-10	578	47.33	41.92	...	...	...	...	...	...
274	2.02	9.25	18.70	2-10	574	22.15	19.21	866	31.30	26.24	...	...	...
275	2.05	4.40	9.00	2-6	567	7.20	4.68	856	10.17	6.27	1711	17.33	8.78
276	2.05	5.50	11.30	2-6	565	10.71	8.13	852	15.23	11.17	1704	26.00	16.50
277	2.06	10.30	21.20	2-10	564	25.22	22.13	850	35.46	29.96	...	...	...
278	2.08	9.00	18.70	2-10	558	21.42	18.51	842	30.30	25.33	...	...	...
279	2.09	11.30	23.60	2-10	555	28.09	24.83	838	39.27	33.27	...	...	...
280	2.09	6.70	14.00	2-6	555	14.46	11.79	837	20.58	16.28	1675	34.57	23.60
281	2.10	6.30	13.20	2-6	554	13.22	10.58	835	18.82	14.61	1670	31.83	21.41
282	2.10	5.20	10.90	2-6	553	9.76	7.20	835	13.87	9.86	1670	23.72	14.52
283	2.10	4.65	9.75	2-6	553	8.01	5.48	835	11.34	7.41	1669	19.38	10.64
284	2.10	15.00	31.50	3-10	552	38.17	34.06	...	...	...	...	...	...
285	2.10	4.90	10.30	2-6	552	8.81	6.27	833	12.50	8.53	1665	21.37	12.44
286	2.10	4.40	9.25	2-6	552	7.20	4.69	832	10.18	6.28	1665	17.35	8.80
287	2.11	7.10	15.00	2-10	549	15.69	12.99	828	22.32	17.93	1657	37.21	25.62
288	2.12	5.90	12.50	2-6	548	11.97	9.37	826	17.04	12.91	1652	28.98	19.05
289	2.12	13.20	28.00	2-10	547	33.37	29.73	825	46.04	38.87	...	...	...
290	2.13	7.50	16.00	2-10	544	16.92	14.18	820	24.05	19.55	...	...	...
291	2.15	5.50	11.80	2-6	541	10.72	8.14	816	15.24	11.18	1631	26.02	16.53
292	2.17	10.90	23.60	2-10	536	26.96	23.77	808	37.78	31.99	...	...	...
293	2.17	5.20	11.30	2-6	534	9.77	7.21	805	13.88	9.87	1611	23.74	14.54
294	2.17	9.75	21.20	2-10	533	23.64	20.63	805	33.32	28.07	...	...	...
295	2.20	8.50	18.70	2-10	527	19.94	17.10	795	28.26	23.47	...	...	...
296	2.22	4.65	10.30	2-6	524	8.02	5.49	790	11.35	7.43	1580	19.40	10.68
297	2.22	4.40	9.75	2-6	523	7.21	4.70	790	10.19	6.30	1579	17.37	8.83
298	2.22	6.30	14.00	2-6	522	13.23	10.60	788	18.83	14.63	1575	31.86	21.44
299	2.22	4.90	10.90	2-6	521	8.82	6.28	787	12.51	8.55	1573	21.40	12.48
300	2.24	5.90	13.20	2-6	518	11.98	9.38	782	17.05	12.93	1564	29.00	19.08

Shaded area diameters are below industry standard for belt.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						5VX	5V		5VX	5V		5VX	5V
301	2.24	6.70	15.00	2-6	518	14.47	11.81	782	20.60	16.31	1563	34.61	23.64
302	2.24	12.50	28.00	2-10	518	31.46	27.97	781	43.63	36.93	...	...	...
303	2.25	14.00	31.50	3-10	516	35.54	31.70	778	48.71	40.95	...	...	...
304	2.25	7.10	16.00	2-10	515	15.70	13.00	777	22.34	17.95	1553	37.24	25.66
305	2.27	5.20	11.80	2-6	511	9.78	7.22	771	13.89	9.89	1542	23.76	14.57
306	2.27	5.50	12.50	2-6	510	10.73	8.15	770	15.25	11.20	1540	26.05	16.56
307	2.29	10.30	23.60	2-10	506	25.24	22.15	764	35.49	30.00	...	...	...
308	2.29	9.25	21.20	2-10	506	22.17	19.24	764	31.33	26.28	...	...	...
309	2.31	4.90	11.30	2-6	503	8.82	6.28	759	12.52	8.56	1518	21.42	12.49
310	2.34	8.00	18.70	2-10	496	18.45	15.66	749	26.19	21.56	...	...	...
311	2.34	4.40	10.30	2-6	496	7.22	4.71	748	10.20	6.31	1495	17.40	8.86
312	2.34	16.00	37.50	3-10	495	40.76	36.35	...	...	...	...	...	...
313	2.34	4.65	10.90	2-6	495	8.02	5.50	747	11.36	7.44	1493	19.43	10.71
314	2.36	9.00	21.20	2-10	492	21.44	18.54	743	30.33	25.37	...	...	...
315	2.37	5.90	14.00	2-6	489	11.99	9.39	738	17.06	12.94	1475	29.03	19.11
316	2.37	11.80	28.00	2-10	489	29.52	26.17	738	41.14	34.87	...	...	...
317	2.38	6.30	15.00	2-6	487	13.24	10.61	735	18.85	14.65	1470	31.88	21.48
318	2.39	13.20	31.50	3-10	486	33.39	29.75	733	46.06	38.90	...	...	...
319	2.39	6.70	16.00	2-6	486	14.48	11.82	733	20.61	16.32	1466	34.63	23.68
320	2.40	5.50	13.20	2-6	483	10.73	8.16	729	15.26	11.21	1458	26.07	16.59
321	2.40	5.20	12.50	2-6	483	9.78	7.23	728	13.90	9.90	1456	23.78	14.59
322	2.41	4.90	11.80	2-6	482	8.83	6.29	727	12.52	8.57	1453	21.43	12.52
323	2.42	9.75	23.60	2-10	479	23.65	20.65	723	33.34	28.09	...	...	...
324	2.43	4.65	11.30	2-6	477	8.03	5.51	720	11.37	7.45	1440	19.44	10.72
325	2.48	4.40	10.90	2-6	468	7.23	4.72	706	10.21	6.33	1413	17.41	8.88
326	2.48	11.30	28.00	2-10	468	28.11	24.86	706	39.30	33.32	...	...	...
327	2.49	7.50	18.70	2-10	465	16.94	14.20	702	24.08	19.59	...	...	...
328	2.49	8.50	21.20	2-10	465	19.96	17.12	702	28.28	23.50	...	...	...
329	2.50	15.00	37.50	3-10	464	38.19	34.09	...	...	...	...	...	...
330	2.52	12.50	31.50	3-10	460	31.47	27.99	694	43.65	36.96	...	...	...
331	2.54	4.65	11.80	2-6	457	8.03	5.51	690	11.38	7.46	1379	19.45	10.74
332	2.54	5.20	13.20	2-6	457	9.79	7.24	689	13.91	9.91	1379	23.79	14.62
333	2.54	6.30	16.00	2-6	457	13.25	10.62	689	18.86	14.66	1378	31.90	21.51
334	2.54	5.90	15.00	2-6	456	12.00	9.40	688	17.07	12.96	1377	29.05	19.14
335	2.55	5.50	14.00	2-6	456	10.74	8.17	688	15.27	11.23	1375	26.08	16.61
336	2.55	4.90	12.50	2-6	455	8.83	6.30	686	12.53	8.58	1372	21.45	12.54
337	2.55	9.25	23.60	2-10	455	22.19	19.25	686	31.35	26.30	...	...	...
338	2.57	4.40	11.30	2-6	452	7.23	4.72	681	10.22	6.33	1363	17.42	8.90
339	2.57	10.90	28.00	2-10	452	26.98	23.80	681	37.81	32.03	...	...	...
340	2.62	9.00	23.60	2-10	442	21.45	18.55	667	30.34	25.39	...	...	...
341	2.63	7.10	18.70	2-10	440	15.72	13.03	664	22.36	17.99	1329	37.29	25.73
342	2.65	8.00	21.20	2-10	438	18.46	15.68	660	26.20	21.58	...	...	...
343	2.67	11.80	31.50	3-10	435	29.53	26.19	656	41.15	34.89	...	...	...
344	2.67	18.70	50.00	3-10	434	47.37	41.97	...	...	...	...	...	...
345	2.68	14.00	37.50	3-10	433	35.56	31.73	653	48.74	40.98	...	...	...
346	2.68	4.40	11.80	2-6	433	7.23	4.73	653	10.22	6.34	1305	17.44	8.91
347	2.69	4.65	12.50	2-6	432	8.04	5.52	651	11.38	7.47	1302	19.47	10.76
348	2.69	5.20	14.00	2-6	431	9.79	7.24	650	13.91	9.92	1300	23.81	14.63
349	2.69	4.90	13.20	2-6	431	8.84	6.30	650	12.54	8.59	1299	21.46	12.56
350	2.71	5.90	16.00	2-6	428	12.00	9.40	645	17.08	12.97	1291	29.06	19.16

Shaded area diameters are below industry standard for belt.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						5VX	5V		5VX	5V		5VX	5V
351	2.72	10.30	28.00	2-10	427	25.26	22.18	644	35.51	30.03	...	...	...
352	2.73	5.50	15.00	2-6	425	10.74	8.17	642	15.28	11.24	1283	26.10	16.64
353	2.78	8.50	23.60	2-10	418	19.97	17.13	630	28.30	23.52	...	...	...
354	2.79	11.30	31.50	3-10	416	28.12	24.88	628	39.32	33.34	...	...	...
355	2.79	6.70	18.70	2-6	416	14.49	11.83	627	20.63	16.35	1254	34.67	23.73
356	2.83	7.50	21.20	2-10	410	16.95	14.22	619	24.09	19.61	...	...	...
357	2.84	4.65	13.20	2-6	409	8.04	5.52	616	11.39	7.48	1233	19.48	10.78
358	2.84	4.40	12.50	2-6	408	7.24	4.73	616	10.23	6.35	1232	17.45	8.93
359	2.84	13.20	37.50	3-10	408	33.40	29.77	616	46.09	38.93	...	...	...
360	2.86	4.90	14.00	2-6	406	8.84	6.31	613	12.55	8.60	1225	21.48	12.57
361	2.87	9.75	28.00	2-10	404	23.66	20.66	609	33.36	28.12	...	...	...
362	2.88	5.20	15.00	2-6	402	9.80	7.25	607	13.92	9.93	1213	23.82	14.65
363	2.89	10.90	31.50	3-10	401	26.99	23.81	606	37.82	32.05	...	...	...
364	2.91	5.50	16.00	2-6	399	10.75	8.18	602	15.29	11.25	1203	26.11	16.65
365	2.95	8.00	23.60	2-10	393	18.47	15.69	593	26.22	21.60	...	...	...
366	2.97	6.30	18.70	2-6	391	13.26	10.63	590	18.87	14.68	1179	31.94	21.55
367	2.99	7.10	21.20	2-10	388	15.73	13.04	586	22.38	18.00	1172	37.32	25.76
368	3.00	4.40	13.20	2-6	387	7.24	4.74	583	10.23	6.35	1167	17.46	8.94
369	3.00	12.50	37.50	3-10	387	31.49	28.01	583	43.67	36.99	...	...	...
370	3.01	4.65	14.00	2-6	385	8.04	5.53	581	11.40	7.48	1163	19.49	10.79
371	3.03	9.25	28.00	2-10	383	22.20	19.27	578	31.37	26.33	...	...	...
372	3.06	10.30	31.50	3-10	379	25.27	22.19	572	35.53	30.04	...	...	...
373	3.06	4.90	15.00	2-6	379	8.85	6.31	572	12.55	8.61	1143	21.49	12.59
374	3.08	5.20	16.00	2-6	377	9.80	7.25	569	13.93	9.94	1138	23.83	14.67
375	3.11	9.00	28.00	2-10	373	21.46	18.56	563	30.36	25.41	...	...	...
376	3.13	16.00	50.00	3-10	371	40.78	36.38	...	...	...	...	...	...
377	3.15	7.50	23.60	2-10	369	16.95	14.22	556	24.10	19.62	...	...	...
378	3.16	6.70	21.20	2-6	367	14.50	11.84	553	20.64	16.36	1106	34.69	23.76
379	3.17	5.90	18.70	2-6	366	12.01	9.42	552	17.10	12.99	1104	29.09	19.20
380	3.18	11.80	37.50	3-10	365	29.54	26.20	551	41.17	34.91	...	...	...
381	3.18	4.40	14.00	2-6	365	7.24	4.74	550	10.24	6.36	1100	17.47	8.95
382	3.23	4.65	15.00	2-6	360	8.05	5.53	543	11.40	7.49	1085	19.50	10.80
383	3.23	9.75	31.50	3-10	359	23.67	20.67	542	33.37	28.13	...	...	...
384	3.27	4.90	16.00	2-6	355	8.85	6.32	536	12.56	8.61	1072	21.50	12.60
385	3.29	8.50	28.00	2-10	352	19.97	17.14	531	28.31	23.54	...	...	...
386	3.32	11.30	37.50	3-10	350	28.13	24.89	527	39.33	33.35	...	...	...
387	3.32	7.10	23.60	2-10	349	15.73	13.04	526	22.38	18.01	1053	37.33	25.78
388	3.33	15.00	50.00	3-10	348	38.21	34.11	...	...	...	...	...	...
389	3.37	6.30	21.20	2-6	345	13.26	10.64	520	18.88	14.69	1040	31.96	21.57
390	3.40	5.50	18.70	2-6	341	10.76	8.19	515	15.30	11.26	1029	26.14	16.68
391	3.41	9.25	31.50	3-10	341	22.20	19.28	514	31.38	26.34	...	...	...
392	3.41	4.40	15.00	2-6	340	7.25	4.74	513	10.24	6.37	1027	17.48	8.96
393	3.44	10.90	37.50	3-10	337	27.00	23.82	509	37.83	32.06	...	...	...
394	3.44	4.65	16.00	2-6	337	8.05	5.53	509	11.40	7.50	1017	19.51	10.81
395	3.50	8.00	28.00	2-10	331	18.47	15.70	500	26.23	21.61	...	...	...
396	3.50	9.00	31.50	3-10	331	21.47	18.57	500	30.37	25.42	...	...	...
397	3.52	6.70	23.60	2-6	329	14.50	11.85	497	20.65	16.37	994	34.71	23.77
398	3.57	14.00	50.00	3-10	325	35.57	31.75	490	48.76	41.01	...	...	...
399	3.59	5.90	21.20	2-6	323	12.02	9.42	487	17.10	12.99	974	29.11	19.22
400	3.60	5.20	18.70	2-6	323	9.81	7.26	487	13.94	9.95	973	23.85	14.69

Shaded area diameters are below industry standard for belt.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						5VX	5V		5VX	5V		5VX	5V
401	3.64	4.40	16.00	2-6	319	7.25	4.75	481	10.24	6.37	963	17.48	8.97
402	3.64	10.30	37.50	3-10	319	25.27	22.20	481	35.54	30.06	...	...	...
403	3.71	8.50	31.50	3-10	313	19.98	17.14	472	28.32	23.54	...	...	...
404	3.73	7.50	28.00	2-10	311	16.96	14.23	469	24.11	19.64	...	...	...
405	3.75	6.30	23.60	2-6	310	13.27	10.64	467	18.89	14.70	934	31.97	21.59
406	3.79	13.20	50.00	3-10	306	33.42	29.78	462	46.11	38.95	...	...	...
407	3.82	4.90	18.70	2-6	304	8.85	6.33	459	12.56	8.62	917	21.51	12.62
408	3.85	9.75	37.50	3-10	302	23.68	20.68	455	33.38	28.14	...	...	...
409	3.85	5.50	21.20	2-6	301	10.76	8.19	454	15.30	11.27	908	26.15	16.70
410	3.94	8.00	31.50	3-10	295	18.48	15.70	444	26.23	21.62	...	...	...
411	3.94	7.10	28.00	2-10	294	15.74	13.05	444	22.39	18.02	888	37.35	25.80
412	4.00	5.90	23.60	2-6	290	12.02	9.43	438	17.11	13.00	875	29.12	19.23
413	4.00	12.50	50.00	3-10	290	31.50	28.02	438	43.69	37.01	...	...	...
414	4.02	4.65	18.70	2-6	288	8.05	5.54	435	11.41	7.51	870	19.52	10.83
415	4.05	9.25	37.50	3-10	286	22.21	19.28	432	31.39	26.35	...	...	...
416	4.08	5.20	21.20	2-6	285	9.81	7.27	429	13.94	9.96	858	23.86	14.71
417	4.17	9.00	37.50	3-10	278	21.47	18.58	420	30.37	25.43	...	...	...
418	4.18	6.70	28.00	2-6	278	14.51	11.86	419	20.65	16.38	837	34.72	23.79
419	4.20	7.50	31.50	3-10	276	16.96	14.24	417	24.11	19.64	...	...	...
420	4.24	11.80	50.00	3-10	274	29.55	26.21	413	41.18	34.93	...	...	...
421	4.25	4.40	18.70	2-6	273	7.25	4.75	412	10.25	6.38	824	17.49	8.99
422	4.29	5.50	23.60	2-6	270	10.76	8.20	408	15.31	11.27	816	26.16	16.71
423	4.33	4.90	21.20	2-6	268	8.86	6.33	404	12.57	8.63	809	21.52	12.63
424	4.41	8.50	37.50	3-10	263	19.98	17.15	397	28.32	23.55	...	...	...
425	4.42	11.30	50.00	3-10	262	28.14	24.90	396	39.34	33.37	...	...	...
426	4.44	7.10	31.50	3-10	261	15.74	13.05	394	22.40	18.03	789	37.36	25.81
427	4.44	6.30	28.00	2-6	261	13.27	10.65	394	18.89	14.71	788	31.98	21.60
428	4.54	5.20	23.60	2-6	256	9.81	7.27	386	13.95	9.96	771	23.87	14.72
429	4.56	4.65	21.20	2-6	254	8.06	5.54	384	11.42	7.51	768	19.53	10.84
430	4.59	10.90	50.00	3-10	253	27.00	23.83	381	37.84	32.08	...	...	...
431	4.69	8.00	37.50	3-10	247	18.48	15.70	373	26.24	21.63	...	...	...
432	4.70	6.70	31.50	3-6	247	14.51	11.86	372	20.66	16.38	744	34.73	23.80
433	4.75	5.90	28.00	2-6	244	12.02	9.43	369	17.11	13.01	738	29.13	19.24
434	4.82	4.90	23.60	2-6	241	8.86	6.33	363	12.57	8.63	727	21.53	12.64
435	4.82	4.40	21.20	2-6	241	7.25	4.75	363	10.25	6.38	726	17.50	9.00
436	4.85	10.30	50.00	3-10	239	25.28	22.20	361	35.55	30.07	...	...	...
437	5.00	6.30	31.50	3-6	232	13.27	10.65	350	18.90	14.71	700	31.99	21.61
438	5.00	7.50	37.50	3-10	232	16.97	14.24	350	24.12	19.65	...	...	...
439	5.08	4.65	23.60	2-6	229	8.06	5.55	345	11.42	7.51	690	19.54	10.85
440	5.09	5.50	28.00	2-6	228	10.76	8.20	344	15.31	11.28	688	26.17	16.72
441	5.13	9.75	50.00	3-10	226	23.68	20.69	341	33.39	28.16	...	...	...
442	5.28	7.10	37.50	3-10	220	15.75	13.06	331	22.40	18.03	663	37.36	25.83
443	5.34	5.90	31.50	3-6	217	12.02	9.43	328	17.12	13.01	656	29.13	19.25
444	5.36	4.40	23.60	2-6	216	7.26	4.76	326	10.26	6.39	653	17.51	9.00
445	5.38	5.20	28.00	2-6	215	9.82	7.27	325	13.95	9.97	650	23.88	14.73
446	5.41	9.25	50.00	3-10	215	22.21	19.29	324	31.39	26.36	...	...	...
447	5.56	9.00	50.00	3-10	209	21.48	18.58	315	30.38	25.44	...	...	...
448	5.60	6.70	37.50	3-6	207	14.51	11.86	313	20.66	16.39	625	34.74	23.81
449	5.71	4.90	28.00	2-6	203	8.86	6.33	306	12.58	8.64	613	21.53	12.65
450	5.73	5.50	31.50	3-6	203	10.77	8.20	306	15.32	11.28	611	26.17	16.73

Shaded area diameters are below industry standard for belt.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						5VX	5V		5VX	5V		5VX	5V
451	5.88	8.50	50.00	3-10	197	19.99	17.16	298	28.33	23.56	...	...	...
452	5.95	6.30	37.50	3-6	195	13.27	10.65	294	18.90	14.72	588	31.99	21.62
453	6.02	4.65	28.00	2-6	193	8.06	5.55	291	11.42	7.52	581	19.54	10.86
454	6.06	5.20	31.50	3-6	191	9.82	7.27	289	13.95	9.97	578	23.88	14.73
455	6.25	8.00	50.00	3-10	186	18.49	15.71	280	26.24	21.63	...	...	...
456	6.36	5.90	37.50	3-6	183	12.03	9.44	275	17.12	13.01	551	29.14	19.26
457	6.36	4.40	28.00	2-6	182	7.26	4.76	275	10.26	6.39	550	17.51	9.01
458	6.43	4.90	31.50	3-6	180	8.86	6.34	272	12.58	8.64	544	21.54	12.65
459	6.67	7.50	50.00	3-10	174	16.97	14.25	263	24.12	19.66	...	...	...
460	6.77	4.65	31.50	3-6	171	8.06	5.55	258	11.42	7.52	517	19.54	10.86
461	6.82	5.50	37.50	3-6	170	10.77	8.21	257	15.32	11.29	513	26.17	16.73
462	7.04	7.10	50.00	3-10	165	15.75	13.06	249	22.40	18.04	497	37.37	25.84
463	7.16	4.40	31.50	3-6	162	7.26	4.76	244	10.26	6.39	489	17.51	9.02
464	7.21	5.20	37.50	3-6	161	9.82	7.28	243	13.95	9.97	485	23.89	14.74
465	7.46	6.70	50.00	3-6	155	14.52	11.87	234	20.66	16.39	469	34.74	23.82
466	7.65	4.90	37.50	3-6	152	8.86	6.34	229	12.58	8.64	457	21.54	12.66
467	7.94	6.30	50.00	3-6	146	13.28	10.66	221	18.90	14.72	441	32.00	21.63
468	8.06	4.65	37.50	3-6	144	8.06	5.55	217	11.42	7.52	434	19.55	10.87
469	8.47	5.90	50.00	3-6	137	12.03	9.44	207	17.12	13.02	413	29.14	19.26
470	8.52	4.40	37.50	3-6	136	7.26	4.76	205	10.26	6.39	411	17.52	9.02
471	9.09	5.50	50.00	3-6	128	10.77	8.21	193	15.32	11.29	385	26.18	16.74
472	9.62	5.20	50.00	3-6	121	9.82	7.28	182	13.96	9.97	364	23.89	14.74
473	10.20	4.90	50.00	3-6	114	8.86	6.34	172	12.58	8.64	343	21.55	12.66
474	10.75	4.65	50.00	3-6	108	8.06	5.55	163	11.43	7.53	326	19.55	10.87
475	11.36	4.40	50.00	3-6	102	7.26	4.76	154	10.26	6.40	308	17.52	9.02

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲														LINE #
5VX 1250	5VX 1400	5VX 1500	5VX 1600	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2500	5V 2800	5V 3150	5V 3350	5V 3550	
...	...	...	...	38.5	44.2	49.7	56.2	62.6	76.2	91.7	109.6	119.8	129.9	451
...	31.8	37.3	42.8	53.3	58.5	63.7	69.9	76.0	89.2	104.4	122.1	132.2	142.2	452
34.9	42.8	47.9	53.1	63.3	68.4	73.4	79.5	85.6	98.7	113.8	131.3	141.4	151.4	453
30.9	39.0	44.2	49.4	59.7	64.8	69.9	76.0	82.1	95.3	110.4	128.0	138.0	148.1	454
...	...	...	...	38.8	44.5	50.0	56.5	62.9	76.6	92.1	109.9	120.1	130.3	455
■ 0.88	0.90	0.93	0.96	0.94	0.97	0.99	1.01	1.03	1.06	1.10	1.13	1.14	1.15	■
...	32.0	37.6	43.0	53.6	58.8	64.0	70.1	76.3	89.5	104.7	122.4	132.5	142.5	456
35.1	42.9	48.1	53.2	63.5	68.5	73.6	79.7	85.7	98.8	113.9	131.5	141.6	151.6	457
31.1	39.2	44.4	49.6	59.9	65.1	70.2	76.3	82.3	95.5	110.6	128.2	138.3	148.3	458
...	...	...	...	39.1	44.8	50.4	56.9	63.3	76.9	92.4	110.3	120.5	130.6	459
31.2	39.3	44.6	49.8	60.1	65.2	70.3	76.4	82.5	95.7	110.8	128.4	138.5	148.5	460
■ 0.87	0.90	0.93	0.96	0.97	0.99	1.01	1.03	1.04	1.07	1.10	1.13	1.15	1.16	■
...	32.3	37.8	43.3	53.9	59.1	64.2	70.4	76.6	89.8	105.0	122.7	132.8	142.8	461
...	...	...	...	39.3	45.0	50.6	57.1	63.5	77.2	92.7	110.6	120.7	130.9	462
31.4	39.5	44.8	50.0	60.3	65.4	70.5	76.6	82.7	95.8	111.0	128.6	138.6	148.7	463
...	32.4	38.0	43.5	54.1	59.3	64.4	70.6	76.8	90.0	105.2	122.9	133.0	143.1	464
...	...	...	...	39.5	45.3	50.9	57.4	63.8	77.4	92.9	110.9	121.0	131.2	465
■ 0.86	0.86	0.90	0.93	0.93	0.96	0.98	1.00	1.02	1.06	1.09	1.12	1.14	1.15	■
...	32.6	38.2	43.7	54.3	59.5	64.6	70.8	77.0	90.2	105.4	123.1	133.2	143.3	466
...	...	...	...	39.8	45.5	51.1	57.6	64.1	77.7	93.2	111.1	121.3	131.5	467
23.7	32.8	38.4	43.8	54.4	59.6	64.8	71.0	77.1	90.4	105.6	123.3	133.4	143.5	468
...	...	...	...	40.0	45.8	51.4	57.9	64.3	78.0	93.5	111.4	121.6	131.8	469
23.8	32.9	38.5	44.0	54.6	59.8	65.0	71.2	77.3	90.6	105.8	123.5	133.6	143.6	470
■ 0.70	0.84	0.89	0.92	0.92	0.95	0.98	1.00	1.02	1.06	1.09	1.12	1.13	1.15	■
...	...	...	...	40.3	46.0	51.6	58.2	64.6	78.2	93.8	111.7	121.9	132.0	471
...	...	...	...	40.4	46.2	51.8	58.3	64.8	78.4	94.0	111.9	122.1	132.2	472
...	...	...	...	40.6	46.4	52.0	58.5	65.0	78.6	94.2	112.1	122.3	132.5	473
...	...	...	...	40.8	46.6	52.1	58.7	65.1	78.8	94.4	112.3	122.5	132.6	474
...	...	...	...	40.9	46.7	52.3	58.9	65.3	79.0	94.5	112.5	122.7	132.8	475
■				0.85	0.89	0.93	0.96	0.99	1.03	1.07	1.10	1.12	1.14	■

- ▲ Not all available belt lengths are shown.
- Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT					
		Datum Diameter		Number Grooves	870 MOTOR		1160 MOTOR		1750 MOTOR	
		DR	DN		Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings
1	1.00	12.50	12.50	4-6,8,10,12	870	36.11	1160	43.93	1750	52.44
2	1.00	13.20	13.20	4-6,8,10,12	870	39.97	1160	48.58	1750	57.56
3	1.00	14.00	14.00	4-6,8,10,12	870	44.32	1160	53.76	1750	62.97
4	1.00	15.00	15.00	4-6,8,10,12	870	49.64	1160	60.00	...	...
5	1.00	16.00	16.00	4-6,8,10,12	870	54.84	1160	65.99	...	...
6	1.00	17.00	17.00	4-6,8,10,12	870	59.91	1160	71.70	...	...
7	1.00	18.00	18.00	4-6,8,10,12	870	64.85	1160	77.12	...	...
8	1.00	19.00	19.00	4-6,8,10,12	870	69.65	1160	82.25	...	...
9	1.00	20.00	20.00	4-6,8,10,12	870	74.31	1160	87.06	...	...
10	1.00	21.20	21.20	4-6,8,10,12	870	79.71	1160	92.41	...	...
11	1.00	22.40	22.40	4-6,8,10,12	870	84.88	...	...	...	...
12	1.00	24.80	24.80	4-6,8,10,12	870	94.54	...	...	...	...
13	1.05	19.00	20.00	4-6,8,10,12	827	70.64	1102	83.57	...	...
14	1.06	18.00	19.00	4-6,8,10,12	824	65.89	1099	78.51	...	...
15	1.06	12.50	13.20	4-6,8,10,12	824	37.16	1098	45.32	1657	54.54
16	1.06	21.20	22.40	4-6,8,10,12	823	80.76	1098	93.82	...	...
17	1.06	17.00	18.00	4-6,8,10,12	822	61.00	1096	73.16	...	...
18	1.06	20.00	21.20	4-6,8,10,12	821	75.42	1094	88.54	...	...
19	1.06	13.20	14.00	4-6,8,10,12	820	41.09	1094	50.08	1650	59.81
20	1.06	16.00	17.00	4-6,8,10,12	819	55.99	1092	67.52	...	...
21	1.07	15.00	16.00	4-6,8,10,12	816	50.85	1088	61.63	...	...
22	1.07	14.00	15.00	4-6,8,10,12	812	45.60	1083	55.48	1633	65.56
23	1.11	22.40	24.80	4-6,8,10,12	786	86.66	...	...	...	...
24	1.11	18.00	20.00	4-6,8,10,12	783	66.67	1044	79.56	...	...
25	1.12	19.00	21.20	4-6,8,10,12	780	71.53	1040	84.76	...	...
26	1.12	17.00	19.00	4-6,8,10,12	778	61.82	1038	74.24	...	...
27	1.12	12.50	14.00	4-6,8,10,12	777	38.05	1036	46.51	1563	56.33
28	1.12	20.00	22.40	4-6,8,10,12	777	76.24	1036	89.64	...	...
29	1.13	16.00	18.00	4-6,8,10,12	773	56.83	1031	68.65	...	...
30	1.13	15.00	17.00	4-6,8,10,12	768	51.73	1024	62.79	...	...
31	1.14	13.20	15.00	4-6,8,10,12	766	42.09	1021	51.41	1540	61.83
32	1.14	14.00	16.00	4-6,8,10,12	761	46.51	1015	56.68	1531	67.37
33	1.17	21.20	24.80	4-6,8,10,12	744	82.16	992	95.68	...	...
34	1.18	17.00	20.00	4-6,8,10,12	739	62.43	986	75.06	...	...
35	1.18	18.00	21.20	4-6,8,10,12	739	67.38	985	80.50	...	...
36	1.18	19.00	22.40	4-6,8,10,12	738	72.19	984	85.64	...	...
37	1.19	16.00	19.00	4-6,8,10,12	733	57.45	977	69.48	...	...
38	1.20	12.50	15.00	4-6,8,10,12	725	38.83	967	47.55	1458	57.91
39	1.20	15.00	18.00	4-6,8,10,12	725	52.36	967	63.63	...	...
40	1.21	24.80	30.00	4-6,8,10,12	719	97.33	...	...	...	...
41	1.21	13.20	16.00	4-6,8,10,12	718	42.79	957	52.33	1444	63.22
42	1.21	14.00	17.00	4-6,8,10,12	716	47.15	955	57.53	1441	68.66
43	1.24	20.00	24.80	4-6,8,10,12	702	77.32	935	91.08	...	...
44	1.24	18.00	22.40	4-6,8,10,12	699	67.89	932	81.18	...	...
45	1.25	17.00	21.20	4-6,8,10,12	698	62.96	930	75.78	...	...
46	1.25	16.00	20.00	4-6,8,10,12	696	57.91	928	70.09	...	...
47	1.27	15.00	19.00	4-6,8,10,12	687	52.82	916	64.24	...	...
48	1.28	12.50	16.00	4-6,8,10,12	680	39.37	906	48.27	1367	58.99
49	1.29	14.00	18.00	4-6,8,10,12	677	47.60	902	58.14	1361	69.58
50	1.29	13.20	17.00	4-6,8,10,12	676	43.27	901	52.98	1359	64.19

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT					
		Datum Diameter		Number Grooves	870 MOTOR		1160 MOTOR		1750 MOTOR	
		DR	DN		Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings
51	1.31	19.00	24.80	4-6,8,10,12	667	73.04	889	86.77	...	...
52	1.32	17.00	22.40	4-6,8,10,12	660	63.36	880	76.30	...	...
53	1.33	16.00	21.20	4-6,8,10,12	657	58.32	875	70.63	...	...
54	1.33	15.00	20.00	4-6,8,10,12	653	53.16	870	64.70	...	...
55	1.34	22.40	30.00	4-6,8,10,12	650	88.43	...	...	...	...
56	1.36	14.00	19.00	4-6,8,10,12	641	47.94	855	58.59	1289	70.25
57	1.36	12.50	17.00	4-6,8,10,12	640	39.74	853	48.77	1287	59.74
58	1.36	13.20	18.00	4-6,8,10,12	638	43.62	851	53.44	1283	64.89
59	1.38	18.00	24.80	4-6,8,10,12	631	68.55	842	82.06	...	...
60	1.40	16.00	22.40	4-6,8,10,12	621	58.61	829	71.02	...	...
61	1.41	15.00	21.20	4-6,8,10,12	616	53.46	821	65.10	...	...
62	1.42	21.20	30.00	4-6,8,10,12	615	83.53	820	97.51	...	...
63	1.43	14.00	20.00	4-6,8,10,12	609	48.18	812	58.92	1225	70.75
64	1.43	24.80	35.50	4-6,8,10,12	608	98.41	...	...	...	...
65	1.44	13.20	19.00	4-6,8,10,12	604	43.87	806	53.78	1216	65.40
66	1.44	12.50	18.00	4-6,8,10,12	604	40.01	806	49.13	1215	60.28
67	1.46	17.00	24.80	4-6,8,10,12	596	63.86	795	76.97	...	...
68	1.49	15.00	22.40	4-6,8,10,12	583	53.68	777	65.39	...	...
69	1.50	20.00	30.00	4-6,8,10,12	580	78.36	773	92.47	...	...
70	1.51	14.00	21.20	4-6,8,10,12	575	48.40	766	59.21	1156	71.19
71	1.52	13.20	20.00	4-6,8,10,12	574	44.06	766	54.03	1155	65.78
72	1.52	12.50	19.00	4-6,8,10,12	572	40.21	763	49.39	1151	60.68
73	1.55	16.00	24.80	4-6,8,10,12	561	58.99	748	71.53	...	...
74	1.58	19.00	30.00	4-6,8,10,12	551	73.86	735	87.86	...	...
75	1.58	22.40	35.50	4-6,8,10,12	549	89.10	...	...	...	...
76	1.60	12.50	20.00	4-6,8,10,12	544	40.36	725	49.59	1094	60.98
77	1.60	14.00	22.40	4-6,8,10,12	544	48.56	725	59.42	1094	71.51
78	1.61	13.20	21.20	4-6,8,10,12	542	44.23	722	54.26	1090	66.12
79	1.61	24.80	40.00	4-6,8,10,12	539	98.81	...	...	...	...
80	1.65	15.00	24.80	4-6,8,10,12	526	53.96	702	65.77	...	...
81	1.67	18.00	30.00	4-6,8,10,12	522	69.19	696	82.91	...	...
82	1.67	21.20	35.50	4-6,8,10,12	520	84.06	693	98.21	...	...
83	1.70	12.50	21.20	4-6,8,10,12	513	40.49	684	49.77	1032	61.24
84	1.70	13.20	22.40	4-6,8,10,12	513	44.35	684	54.42	1031	66.37
85	1.76	17.00	30.00	4-6,8,10,12	493	64.36	657	77.63	...	...
86	1.77	14.00	24.80	4-6,8,10,12	491	48.77	655	59.70	988	71.93
87	1.77	20.00	35.50	4-6,8,10,12	490	78.77	654	93.01	...	...
88	1.79	22.40	40.00	4-6,8,10,12	487	89.35	...	...	...	...
89	1.79	12.50	22.40	4-6,8,10,12	485	40.59	647	49.90	977	61.44
90	1.79	24.80	44.50	4-6,8,10,12	485	99.02	...	...	...	...
91	1.87	19.00	35.50	4-6,8,10,12	466	74.19	621	88.30	...	...
92	1.88	16.00	30.00	4-6,8,10,12	464	59.38	619	72.04	...	...
93	1.88	13.20	24.80	4-6,8,10,12	463	44.52	617	54.64	931	66.70
94	1.89	21.20	40.00	4-6,8,10,12	461	84.26	615	98.47	...	...
95	1.97	18.00	35.50	4-6,8,10,12	441	69.45	588	83.26	...	...
96	1.98	12.50	24.80	4-6,8,10,12	439	40.72	585	50.07	882	61.71
97	1.99	22.40	44.50	4-6,8,10,12	438	89.49	...	...	...	...
98	2.00	15.00	30.00	4-6,8,10,12	435	54.26	580	66.16	...	...
99	2.00	20.00	40.00	4-6,8,10,12	435	78.93	580	93.22	...	...
100	2.09	17.00	35.50	4-6,8,10,12	417	64.57	555	77.91	...	...

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT					
		Datum Diameter		Number Grooves	870 MOTOR		1160 MOTOR		1750 MOTOR	
		DR	DN		Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings
101	2.10	21.20	44.50	4-6,8,10,12	414	84.37	553	98.62	...	...
102	2.11	19.00	40.00	4-6,8,10,12	413	74.31	551	88.47	...	...
103	2.14	24.80	53.00	4-6,8,10,12	407	99.22	...	...	...	...
104	2.14	14.00	30.00	4-6,8,10,12	406	49.00	541	60.00	817	72.38
105	2.22	16.00	35.50	4-6,8,10,12	392	59.54	523	72.26	...	...
106	2.22	18.00	40.00	4-6,8,10,12	391	69.55	522	83.40	...	...
107	2.22	20.00	44.50	4-6,8,10,12	391	79.02	521	93.34	...	...
108	2.27	13.20	30.00	4-6,8,10,12	383	44.69	510	54.88	770	67.06
109	2.34	19.00	44.50	4-6,8,10,12	371	74.39	495	88.57	...	...
110	2.35	17.00	40.00	4-6,8,10,12	370	64.65	493	78.02	...	...
111	2.37	22.40	53.00	4-6,8,10,12	368	89.63	...	...	...	...
112	2.37	15.00	35.50	4-6,8,10,12	368	54.38	490	66.33	...	...
113	2.40	12.50	30.00	4-6,8,10,12	363	40.87	483	50.27	729	62.00
114	2.47	18.00	44.50	4-6,8,10,12	352	69.61	469	83.48	...	...
115	2.50	16.00	40.00	4-6,8,10,12	348	59.61	464	72.35	...	...
116	2.50	21.20	53.00	4-6,8,10,12	348	84.48	464	98.77	...	...
117	2.54	14.00	35.50	4-6,8,10,12	343	49.10	457	60.13	690	72.58
118	2.54	24.80	63.00	6,8,10,12	342	99.32	...	...	...	...
119	2.62	17.00	44.50	4-6,8,10,12	332	64.70	443	78.09	...	...
120	2.65	20.00	53.00	4-6,8,10,12	328	79.11	438	93.46	...	...
121	2.67	15.00	40.00	4-6,8,10,12	326	54.44	435	66.40	...	...
122	2.69	13.20	35.50	4-6,8,10,12	323	44.78	431	54.99	651	67.22
123	2.78	16.00	44.50	4-6,8,10,12	313	59.65	417	72.41	...	...
124	2.79	19.00	53.00	4-6,8,10,12	312	74.46	416	88.67	...	...
125	2.81	22.40	63.00	6,8,10,12	309	89.70	...	...	...	...
126	2.84	12.50	35.50	4-6,8,10,12	306	40.93	408	50.36	616	62.14
127	2.86	14.00	40.00	4-6,8,10,12	305	49.14	406	60.19	613	72.67
128	2.86	24.80	71.00	6,8,10,12	304	99.36	...	...	...	...
129	2.94	18.00	53.00	4-6,8,10,12	295	69.68	394	83.57	...	...
130	2.97	15.00	44.50	4-6,8,10,12	293	54.47	391	66.45	...	...
131	2.97	21.20	63.00	6,8,10,12	293	84.54	390	98.85	...	...
132	3.03	13.20	40.00	4-6,8,10,12	287	44.81	383	55.04	578	67.29
133	3.12	17.00	53.00	4-6,8,10,12	279	64.75	372	78.16	...	...
134	3.15	20.00	63.00	6,8,10,12	276	79.16	368	93.53	...	...
135	3.17	22.40	71.00	6,8,10,12	274	89.73	...	...	...	...
136	3.18	14.00	44.50	4-6,8,10,12	274	49.17	365	60.23	551	72.72
137	3.20	12.50	40.00	4-6,8,10,12	272	40.96	363	50.40	547	62.20
138	3.31	16.00	53.00	4-6,8,10,12	263	59.70	350	72.47	...	...
139	3.32	19.00	63.00	6,8,10,12	262	74.51	350	88.73	...	...
140	3.35	21.20	71.00	6,8,10,12	260	84.57	346	98.89	...	...
141	3.37	13.20	44.50	4-6,8,10,12	258	44.84	344	55.07	519	67.34
142	3.50	18.00	63.00	6,8,10,12	249	69.72	331	83.62	...	...
143	3.53	15.00	53.00	4-6,8,10,12	246	54.51	328	66.50	...	...
144	3.55	20.00	71.00	6,8,10,12	245	79.18	327	93.56	...	...
145	3.56	12.50	44.50	4-6,8,10,12	244	40.98	326	50.42	492	62.24
146	3.71	17.00	63.00	6,8,10,12	235	64.79	313	78.20	...	...
147	3.74	19.00	71.00	6,8,10,12	233	74.53	310	88.75	...	...
148	3.79	14.00	53.00	4-6,8,10,12	230	49.20	306	60.27	462	72.79
149	3.94	16.00	63.00	6,8,10,12	221	59.72	295	72.50	...	...
150	3.94	18.00	71.00	6,8,10,12	221	69.73	294	83.64	...	...

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT					
		Datum Diameter		Number Grooves	870 MOTOR		1160 MOTOR		1750 MOTOR	
		DR	DN		Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings	Driven Speed	H.P. Ratings
151	4.02	13.20	53.00	4-6,8,10,12	217	44.86	289	55.10	436	67.39
152	4.18	17.00	71.00	6,8,10,12	208	64.80	278	78.22	...	...
153	4.20	15.00	63.00	6,8,10,12	207	54.53	276	66.53	...	...
154	4.24	12.50	53.00	4-6,8,10,12	205	41.01	274	50.45	413	62.28
155	4.44	16.00	71.00	6,8,10,12	196	59.74	261	72.52	...	...
156	4.50	14.00	63.00	6,8,10,12	193	49.22	258	60.29	389	72.82
157	4.73	15.00	71.00	6,8,10,12	184	54.54	245	66.54	...	...
158	4.77	13.20	63.00	6,8,10,12	182	44.88	243	55.12	367	67.42
159	5.04	12.50	63.00	6,8,10,12	173	41.02	230	50.47	347	62.31
160	5.07	14.00	71.00	6,8,10,12	172	49.23	229	60.31	345	72.84
161	5.38	13.20	71.00	6,8,10,12	162	44.89	216	55.13	325	67.44
162	5.68	12.50	71.00	6,8,10,12	153	41.03	204	50.48	308	62.33

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲											LINE #
8VX 1900	8VX 2000	8V 2240	8V 2500	8V 2800	8V 3000	8V 3150	8V 3550	8V 4000	8V 4500	8V 5000	
37.8	43.4	56.5	70.2	85.7	95.9	103.6	123.9	146.7	171.9	197.0	151
...	...	...	48.3	65.3	76.1	84.0	104.9	128.0	153.5	178.8	152
...	...	44.2	58.8	74.9	85.4	93.1	113.7	136.6	162.0	187.2	153
38.2	43.9	57.0	70.7	86.2	96.4	104.1	124.4	147.2	172.4	197.5	154
...	...	...	48.9	65.9	76.7	84.7	105.6	128.7	154.2	179.6	155
■ 0.77	0.81	0.84	0.85	0.91	0.94	0.96	0.99	1.02	1.05	1.07	156
...	...	44.8	59.5	75.6	86.0	93.8	114.4	137.3	162.7	187.9	157
...	...	...	49.5	66.6	77.4	85.4	106.3	129.4	154.9	180.3	158
...	...	45.3	60.0	76.1	86.6	94.4	115.0	137.9	163.3	188.5	159
...	...	45.7	60.4	76.5	87.0	94.8	115.4	138.4	163.8	189.0	160
...	...	...	50.1	67.2	78.0	86.0	106.9	130.1	155.6	181.0	161
■		0.78	0.83	0.90	0.93	0.95	0.98	1.02	1.05	1.07	162
...	...	...	50.6	67.7	78.6	86.5	107.5	130.7	156.2	181.6	162
...	...	...	51.0	68.1	79.0	87.0	108.0	131.2	156.7	182.1	162
			0.78	0.87	0.91	0.93	0.97	1.01	1.04	1.06	

▲ Not all available belt lengths are shown.

■ Combined Arc-Length correction factors for 5 preceding lines.

Narrow Cog horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the RPM of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

RPM of Faster Shaft	BASIC HORSEPOWER RATING PER BELT													
	SMALL SHEAVE OUTSIDE DIAMETER													
	2.20	2.35	2.50	2.65	2.80	3.00	3.15	3.35	3.65	4.12	4.50	4.75	5.00	5.30
1160	1.04	1.22	1.40	1.58	1.75	1.99	2.16	2.39	2.74	3.28	3.71	3.99	4.27	4.60
1460	1.26	1.48	1.70	1.92	2.14	2.43	2.64	2.93	3.36	4.02	4.55	4.89	5.24	5.65
1750	1.46	1.72	1.98	2.24	2.49	2.84	3.09	3.43	3.93	4.71	5.33	5.73	6.14	6.61
2900	2.16	2.58	2.99	3.39	3.80	4.33	4.73	5.25	6.03	7.22	8.16	8.77	9.36	10.1
3500	2.49	2.98	3.46	3.94	4.41	5.03	5.50	6.11	7.01	8.38	9.46	10.1	10.8	11.6
600	0.60	0.70	0.79	0.89	0.99	1.11	1.21	1.33	1.52	1.81	2.05	2.20	2.36	2.54
700	0.68	0.80	0.91	1.02	1.13	1.28	1.38	1.53	1.75	2.09	2.36	2.53	2.71	2.92
800	0.76	0.89	1.02	1.14	1.27	1.43	1.56	1.72	1.97	2.35	2.66	2.86	3.06	3.30
900	0.84	0.98	1.13	1.27	1.41	1.59	1.73	1.91	2.19	2.61	2.96	3.18	3.40	3.67
1000	0.92	1.08	1.23	1.39	1.54	1.75	1.90	2.10	2.40	2.87	3.25	3.49	3.74	4.03
1200	1.07	1.26	1.44	1.62	1.80	2.05	2.23	2.47	2.82	3.38	3.82	4.11	4.40	4.75
1400	1.21	1.43	1.64	1.85	2.06	2.34	2.55	2.82	3.23	3.87	4.38	4.72	5.05	5.44
1600	1.35	1.60	1.84	2.07	2.31	2.63	2.86	3.17	3.64	4.35	4.93	5.30	5.67	6.12
1800	1.49	1.76	2.02	2.29	2.55	2.90	3.17	3.51	4.03	4.82	5.46	5.88	6.29	6.78
2000	1.62	1.92	2.21	2.50	2.79	3.18	3.46	3.84	4.41	5.28	5.98	6.43	6.88	7.42
2200	1.75	2.07	2.39	2.71	3.02	3.44	3.76	4.17	4.78	5.73	6.49	6.98	7.46	8.04
2400	1.87	2.22	2.57	2.91	3.25	3.70	4.04	4.49	5.15	6.17	6.98	7.51	8.03	8.64
2600	1.99	2.37	2.74	3.11	3.47	3.96	4.32	4.80	5.51	6.60	7.46	8.02	8.58	9.23
2800	2.11	2.51	2.90	3.30	3.69	4.21	4.59	5.10	5.86	7.01	7.93	8.52	9.11	9.79
3000	2.22	2.65	3.07	3.49	3.90	4.45	4.86	5.40	6.20	7.42	8.38	9.01	9.62	10.3
3200	2.33	2.78	3.23	3.67	4.11	4.69	5.12	5.69	6.53	7.81	8.82	9.47	10.1	10.9
3400	2.44	2.91	3.38	3.85	4.31	4.92	5.37	5.97	6.85	8.19	9.25	9.93	10.6	11.4
3600	2.54	3.04	3.53	4.02	4.51	5.15	5.62	6.24	7.16	8.56	9.66	10.4	11.0	11.8
3800	2.64	3.16	3.68	4.19	4.70	5.37	5.86	6.51	7.47	8.92	10.1	10.8	11.5	12.3
4000	2.74	3.29	3.82	4.36	4.89	5.58	6.10	6.77	7.76	9.27	10.4	11.2	11.9	12.7
4200	2.83	3.40	3.96	4.52	5.07	5.79	6.32	7.02	8.05	9.60	10.8	11.6	12.3	13.1
4400	2.93	3.52	4.10	4.68	5.24	5.99	6.54	7.27	8.32	9.92	11.1	11.9	12.7	13.5
4600	3.01	3.63	4.23	4.83	5.42	6.19	6.76	7.50	8.59	10.2	11.5	12.2	13.0	13.9
4800	3.10	3.73	4.36	4.97	5.58	6.38	6.96	7.73	8.84	10.5	11.8	12.6	13.3	14.2*
5000	3.18	3.84	4.48	5.12	5.74	6.56	7.16	7.95	9.09	10.8	12.1	12.9	13.6	14.5*

* Made-to-order ductile iron sheaves required.

HORSEPOWER RATINGS for 3VX BELTS



An Altra Industrial Motion Company

The combined Arc-Length correction factor shown in the Narrow pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page B1-16, should be applied to the total HP per belt before determining the number of belts required for the drive.

NOTE: These ratings apply for the Narrow Cog type belts only.

BASIC HORSEPOWER RATING PER BELT						"ADD-ON" RATING									
SMALL SHEAVE OUTSIDE DIAMETER						SPEED RATIO									
5.60	6.00	6.50	6.90	8.00	10.60	1.00 1.01	1.02 1.05	1.06 1.09	1.10 1.14	1.15 1.19	1.20 1.29	1.30 1.49	1.50 1.99	2.00 9.99	
4.94	5.38	5.92	6.35	7.52	10.2	0.00	0.03	0.06	0.08	0.10	0.13	0.16	0.18	0.20	
6.05	6.59	7.25	7.78	9.19	12.4	0.01	0.04	0.07	0.10	0.13	0.16	0.20	0.23	0.26	
7.09	7.71	8.48	9.09	10.7	14.3	0.01	0.04	0.08	0.12	0.15	0.19	0.23	0.28	0.31	
10.8	11.7	12.7	13.6	15.7	19.8*	0.01	0.07	0.14	0.20	0.25	0.31	0.39	0.46	0.51	
12.4	13.4	14.5	15.4	17.6*	21.0*	0.01	0.09	0.17	0.24	0.31	0.38	0.47	0.55	0.61	
2.72	2.96	3.26	3.50	4.16	5.66	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.09	0.11	
3.13	3.41	3.76	4.03	4.78	6.51	0.00	0.02	0.03	0.05	0.06	0.08	0.09	0.11	0.12	
3.53	3.85	4.24	4.55	5.40	7.34	0.00	0.02	0.04	0.06	0.07	0.09	0.11	0.13	0.14	
3.93	4.28	4.72	5.06	6.00	8.15	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	
4.32	4.71	5.18	5.56	6.59	8.95	0.00	0.02	0.05	0.07	0.09	0.11	0.13	0.16	0.18	
5.09	5.54	6.10	6.55	7.75	10.5	0.00	0.03	0.06	0.08	0.11	0.13	0.16	0.19	0.21	
5.83	6.35	6.99	7.50	8.86	11.9	0.01	0.03	0.07	0.10	0.12	0.15	0.19	0.22	0.25	
6.56	7.14	7.85	8.42	9.94	13.3	0.01	0.04	0.08	0.11	0.14	0.17	0.21	0.25	0.28	
7.26	7.90	8.69	9.31	11.0	14.6	0.01	0.04	0.09	0.12	0.16	0.20	0.24	0.28	0.32	
7.95	8.64	9.49	10.2	11.9	15.8	0.01	0.05	0.10	0.14	0.18	0.22	0.27	0.32	0.35	
8.61	9.36	10.3	11.0	12.9	16.9	0.01	0.05	0.11	0.15	0.19	0.24	0.29	0.35	0.39	
9.25	10.0	11.0	11.8	13.8	17.9*	0.01	0.06	0.11	0.17	0.21	0.26	0.32	0.38	0.42	
9.87	10.7	11.7	12.5	14.6	18.7*	0.01	0.06	0.12	0.18	0.23	0.28	0.35	0.41	0.46	
10.5	11.4	12.4	13.2	15.4	19.5*	0.01	0.07	0.13	0.19	0.25	0.30	0.38	0.44	0.49	
11.0	12.0	13.1	13.9	16.1	20.1*	0.01	0.07	0.14	0.21	0.26	0.33	0.40	0.47	0.53	
11.6	12.5	13.7	14.5	16.7*	20.5*	0.01	0.08	0.15	0.22	0.28	0.35	0.43	0.51	0.56	
12.1	13.1	14.3	15.1	17.3*	20.9*	0.01	0.08	0.16	0.23	0.30	0.37	0.46	0.54	0.60	
12.6	13.6	14.8	15.7	17.8*	21.0*	0.01	0.09	0.17	0.25	0.32	0.39	0.48	0.57	0.63	
13.1	14.1	15.3	16.2*	18.3*	...	0.01	0.09	0.18	0.26	0.33	0.41	0.51	0.60	0.67	
13.5	14.5	15.7*	16.6*	18.6*	...	0.02	0.10	0.19	0.28	0.35	0.43	0.54	0.63	0.70	
13.9	15.0*	16.1*	17.0*	18.9*	...	0.02	0.10	0.20	0.29	0.37	0.46	0.56	0.66	0.74	
14.3	15.3*	16.5*	17.3*	19.1*	...	0.02	0.11	0.21	0.30	0.39	0.48	0.59	0.70	0.77	
14.7*	15.7*	16.8*	17.6*	19.2*	...	0.02	0.11	0.22	0.32	0.40	0.50	0.62	0.73	0.81	
15.0*	16.0*	17.1*	17.8*	...	...	0.02	0.12	0.23	0.33	0.42	0.52	0.64	0.76	0.84
15.3*	16.2*	17.3*	18.0*	...	...	0.02	0.12	0.24	0.35	0.44	0.54	0.67	0.79	0.88

Narrow Cog horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the RPM of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

RPM of Faster Shaft	BASIC HORSEPOWER RATING PER BELT																
	SMALL SHEAVE OUTSIDE DIAMETER																
	4.40	4.65	4.90	5.20	5.50	5.90	6.30	6.70	7.10	7.50	8.00	8.50	9.00	9.25	9.75	10.30	10.90
1160	6.22	7.03	7.83	8.78	9.73	11.0	12.2	13.5	14.7	15.9	17.5	19.0	20.4	21.2	22.6	24.2	26.0
1460	7.52	8.51	9.49	10.7	11.8	13.4	14.9	16.4	17.9	19.4	21.2	23.1	24.9	25.7	27.5	29.4	31.5
1750	8.70	9.86	11.0	12.4	13.8	15.6	17.3	19.1	20.8	22.6	24.7	26.8	28.8	29.8	31.8	34.0	36.3
2900	12.7	14.5	16.2	18.3	20.3	23.0	25.6	28.1	30.6	32.9	35.8	38.5	41.2*	42.4*	44.8*	47.3*	49.8*
3500	14.4	16.4	18.4	20.8	23.0	26.0	28.9	31.6	34.2	36.8*	39.7*	42.5*	45.0*	46.2*	48.4*	50.5*	52.4*
400	2.51	2.81	3.11	3.47	3.83	4.30	4.77	5.24	5.70	6.17	6.75	7.32	7.90	8.18	8.75	9.38	10.1
500	3.05	3.42	3.79	4.23	4.66	5.25	5.82	6.40	6.98	7.55	8.26	8.97	9.67	10.0	10.7	11.5	12.3
600	3.56	4.00	4.44	4.96	5.48	6.17	6.85	7.54	8.22	8.89	9.73	10.6	11.4	11.8	12.6	13.5	14.5
700	4.07	4.57	5.07	5.68	6.28	7.07	7.86	8.65	9.43	10.2	11.2	12.1	13.1	13.6	14.5	15.6	16.7
800	4.55	5.13	5.70	6.38	7.05	7.95	8.85	9.73	10.6	11.5	12.6	13.7	14.8	15.3	16.4	17.5	18.8
900	5.03	5.67	6.30	7.06	7.82	8.82	9.81	10.8	11.8	12.8	14.0	15.2	16.4	17.0	18.2	19.4	20.8
1000	5.50	6.20	6.90	7.73	8.56	9.67	10.8	11.8	12.9	14.0	15.3	16.7	18.0	18.6	19.9	21.3	22.9
1200	6.40	7.23	8.05	9.04	10.0	11.3	12.6	13.9	15.1	16.4	18.0	19.5	21.0	21.8	23.3	25.0	26.7
1400	7.26	8.22	9.17	10.3	11.4	12.9	14.4	15.8	17.3	18.7	20.5	22.3	24.0	24.9	26.6	28.4	30.4
1600	8.10	9.17	10.2	11.5	12.8	14.4	16.1	17.7	19.4	21.0	22.9	24.9	26.8	27.8	29.6	31.7	33.9
1800	8.89	10.1	11.3	12.7	14.1	15.9	17.7	19.5	21.3	23.1	25.3	27.4	29.5	30.5	32.5	34.7	37.1
2000	9.66	11.0	12.3	13.8	15.3	17.3	19.3	21.3	23.2	25.1	27.5	29.7	32.0	33.1	35.3	37.6	40.0
2200	10.4	11.8	13.2	14.9	16.5	18.7	20.8	22.9	25.0	27.1	29.5	32.0	34.3	35.5	37.8	40.2	42.7
2400	11.1	12.6	14.1	15.9	17.7	20.0	22.3	24.5	26.7	28.9	31.5	34.1	36.5	37.7	40.1	42.6	45.2*
2600	11.8	13.4	15.0	16.9	18.8	21.3	23.7	26.0	28.3	30.6	33.3	36.0	38.5	39.8	42.2*	44.7*	47.3*
2800	12.4	14.1	15.8	17.9	19.8	22.4	25.0	27.4	29.8	32.2	35.0	37.7	40.3*	41.6*	44.0*	46.5*	49.0*
3000	13.0	14.8	16.6	18.7	20.8	23.5	26.2	28.8	31.2	33.7	36.6	39.3*	41.9*	43.2*	45.6*	48.0*	50.5*
3200	13.6	15.5	17.4	19.6	21.8	24.6	27.3	30.0	32.5	35.0	37.9*	40.7*	43.3*	44.6*	46.9*	49.3*	51.6*
3400	14.1	16.1	18.1	20.4	22.6	25.6	28.4	31.1	33.7	36.2*	39.2*	41.9*	44.5*	45.7*	47.9*	50.2*	52.2*
3600	14.6	16.7	18.7	21.1	23.4	26.5	29.3	32.1	34.8*	37.3*	40.2*	42.9*	45.4*	46.6*	48.7*	50.7*	...
3800	15.1	17.2	19.3	21.8	24.2	27.3	30.2	33.0*	35.7*	38.2*	41.1*	43.7*	46.1*	47.2*	49.1*	...	...
4000	15.5	17.7	19.9	22.4	24.9	28.0	31.0*	33.8*	36.5*	38.9*	41.8*	44.3*	46.5*	47.5*	...	...	...
4200	15.9	18.2	20.4	23.0	25.5	28.7	31.7*	34.5*	37.1*	39.5*	42.3*	44.7*	46.7*	...	...	...	...
4400	16.3	18.6	20.9	23.5	26.0	29.2*	32.3*	35.0*	37.6*	40.0*	42.6*	44.8*	...	...	...	...	...
4600	16.6	19.0	21.3	24.0	26.5*	29.7*	32.7*	35.5*	38.0*	40.2*	42.7*	...	...	...	...	...	...

* Made-to-order ductile iron sheaves required.

HORSEPOWER RATINGS for 5VX BELTS



The combined Arc-Length correction factor shown in the Narrow pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page B1-16, should be applied to the total HP per belt before determining the number of belts required for the drive.

NOTE: These ratings apply for the Narrow Cog type belts only.

BASIC HORSEPOWER RATING PER BELT									"ADD-ON" RATING								
SMALL SHEAVE OUTSIDE DIAMETER									SPEED RATIO								
11.30	11.80	12.50	13.20	14.00	15.00	16.00	18.70	21.20	1.00 1.01	1.02 1.05	1.06 1.09	1.10 1.14	1.15 1.19	1.20 1.29	1.30 1.49	1.50 1.99	2.00 9.99
27.1	28.5	30.5	32.4	34.5	37.2	39.8	46.4	52.0	0.02	0.14	0.28	0.41	0.52	0.64	0.79	0.93	1.03
32.8	34.5	36.7	39.0	41.4	44.4	47.3	54.4*	60.1*	0.03	0.18	0.36	0.51	0.65	0.81	1.00	1.17	1.30
37.8	39.6	42.1	44.6	47.2	50.4*	53.3*	60.2*	65.1*	0.03	0.22	0.43	0.61	0.78	0.97	1.19	1.41	1.56
51.4*	53.1*	55.3*	...	...	...	...	...	...	0.06	0.36	0.71	1.02	1.29	1.60	1.98	2.33	2.59
...	...	...	...	...	...	...	...	...	0.07	0.44	0.85	1.23	1.56	1.93	2.39	2.81	3.12
10.5	11.1	11.8	12.6	13.5	14.6	15.7	18.6	21.3	0.01	0.05	0.10	0.14	0.18	0.22	0.27	0.32	0.36
12.9	13.6	14.5	15.5	16.5	17.9	19.2	22.8	26.0	0.01	0.06	0.12	0.18	0.22	0.28	0.34	0.40	0.45
15.2	16.0	17.1	18.2	19.5	21.1	22.6	26.8	30.5	0.01	0.07	0.15	0.21	0.27	0.33	0.41	0.48	0.54
17.4	18.4	19.6	20.9	22.4	24.2	26.0	30.6	34.9	0.01	0.09	0.17	0.25	0.31	0.39	0.48	0.56	0.62
19.6	20.7	22.1	23.5	25.2	27.2	29.2	34.4	39.0	0.02	0.10	0.19	0.28	0.36	0.44	0.55	0.64	0.71
21.8	22.9	24.5	26.1	27.9	30.1	32.3	37.9	42.9	0.02	0.11	0.22	0.32	0.40	0.50	0.61	0.72	0.80
23.9	25.1	26.9	28.6	30.5	32.9	35.2	41.3	46.6	0.02	0.12	0.24	0.35	0.45	0.55	0.68	0.80	0.89
27.9	29.3	31.3	33.3	35.5	38.2	40.8	47.5	53.2*	0.02	0.15	0.29	0.42	0.54	0.66	0.82	0.96	1.07
31.7	33.3	35.5	37.7	40.1	43.1	45.9	53.0*	58.7*	0.03	0.17	0.34	0.49	0.62	0.77	0.95	1.13	1.25
35.3	37.0	39.4	41.8	44.4	47.4	50.4*	57.5*	62.9*	0.03	0.20	0.39	0.56	0.71	0.88	1.09	1.29	1.43
38.6	40.5	43.0	45.4	48.1*	51.3*	54.2*	61.0*	65.7*	0.03	0.22	0.44	0.63	0.80	0.99	1.23	1.45	1.61
41.6	43.6	46.2	48.7*	51.4*	54.5*	57.3*	63.4*	...	0.04	0.25	0.49	0.70	0.89	1.10	1.36	1.61	1.78
44.4	46.4*	49.0*	51.5*	54.1*	57.1*	59.7*	...	...	0.04	0.27	0.54	0.77	0.98	1.21	1.50	1.77	1.96
46.8*	48.8*	51.4*	53.8*	56.3*	59.0*	...	...	...	0.05	0.30	0.58	0.84	1.07	1.32	1.64	1.93	2.14
48.9*	50.8*	53.3*	55.6*	57.8*	...	...	...	...	0.05	0.32	0.63	0.91	1.16	1.44	1.77	2.09	2.32
50.6*	52.5*	54.8*	56.8*	...	...	...	...	...	0.05	0.35	0.68	0.98	1.25	1.55	1.91	2.25	2.50
52.0*	53.7*	55.8*	...	...	...	...	...	...	0.06	0.37	0.73	1.05	1.34	1.66	2.05	2.41	2.68
52.9*	54.4*	...	...	...	...	...	...	...	0.06	0.40	0.78	1.12	1.43	1.77	2.18	2.57	2.85
...	...	...	...	...	...	...	...	...	0.07	0.42	0.83	1.19	1.52	1.88	2.32	2.73	3.03
...	...	...	...	...	...	...	...	...	0.07	0.45	0.88	1.26	1.61	1.99	2.45	2.89	3.21
...	...	...	...	...	...	...	...	...	0.07	0.47	0.92	1.33	1.69	2.10	2.59	3.05	3.39
...	...	...	...	...	...	...	...	...	0.08	0.50	0.97	1.40	1.78	2.21	2.73	3.21	3.57
...	...	...	...	...	...	...	...	...	0.08	0.52	1.02	1.47	1.87	2.32	2.86	3.38	3.75
...	...	...	...	...	...	...	...	...	0.08	0.55	1.07	1.54	1.96	2.43	3.00	3.54	3.92
...	...	...	...	...	...	...	...	...	0.09	0.57	1.12	1.62	2.05	2.54	3.14	3.70	4.10

Narrow V-Belt horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the rpm of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

RPM of Faster Shaft	BASIC HORSEPOWER RATING PER BELT															
	SMALL SHEAVE OUTSIDE DIAMETER															
	7.10	7.50	8.00	8.50	9.00	9.25	9.75	10.00	10.30	10.90	11.00	11.30	11.80	12.00	12.50	13.00
1160	11.7	12.9	14.4	15.8	17.2	17.9	19.3	20.0	20.9	22.5	22.8	23.6	24.9	25.4	26.7	27.9
1460	14.0	15.4	17.2	18.9	20.6	21.4	23.1	23.9	24.8	26.7	27.0	27.9	29.4	30.0	31.4	32.8
1750	16.0	17.6	19.6	21.5	23.4	24.3	26.1	27.0	28.0	30.1	30.4	31.3	32.9	33.5	35.0	36.4
2900	21.2	23.1	25.4	27.6	29.5*	30.4*	32.0*	32.7*	33.5*	34.8*	35.0*	35.5*	36.1*	36.2*	36.5*	36.4*
3500	21.8	23.6*	25.6*	27.3*	28.6*	29.2*	30.0*	30.2*	30.4*	30.3*	...	...	...	...	...	...
400	4.75	5.21	5.78	6.35	6.92	7.20	7.77	8.05	8.38	9.05	9.16	9.50	10.1	10.3	10.8	11.4
500	5.77	6.33	7.04	7.73	8.43	8.78	9.47	9.81	10.2	11.0	11.2	11.6	12.3	12.5	13.2	13.9
600	6.75	7.42	8.25	9.07	9.89	10.3	11.1	11.5	12.0	13.0	13.1	13.6	14.4	14.7	15.5	16.3
700	7.70	8.47	9.42	10.4	11.3	11.8	12.7	13.2	13.7	14.8	15.0	15.5	16.4	16.8	17.7	18.6
800	8.62	9.49	10.6	11.6	12.7	13.2	14.2	14.8	15.4	16.6	16.8	17.4	18.4	18.8	19.8	20.8
900	9.52	10.5	11.7	12.8	14.0	14.6	15.7	16.3	17.0	18.3	18.5	19.2	20.3	20.7	21.8	22.9
1000	10.4	11.4	12.7	14.0	15.3	15.9	17.2	17.8	18.5	20.0	20.2	20.9	22.1	22.6	23.8	24.9
1200	12.0	13.3	14.8	16.2	17.7	18.4	19.9	20.6	21.4	23.1	23.4	24.2	25.5	26.1	27.4	28.7
1400	13.6	15.0	16.7	18.3	20.0	20.8	22.4	23.1	24.1	25.9	26.2	27.1	28.6	29.1	30.6	31.9
1600	15.0	16.5	18.4	20.2	22.0	22.9	24.6	25.5	26.5	28.4	28.7	29.7	31.2	31.8	33.3	34.7
1800	16.3	18.0	20.0	21.9	23.8	24.8	26.6	27.5	28.5	30.6	30.9	31.9	33.4	34.0	35.5	36.9
2000	17.5	19.3	21.4	23.5	25.5	26.4	28.3	29.2	30.3	32.3	32.7	33.6	35.2	35.8	37.2	38.5*
2200	18.6	20.4	22.7	24.8	26.8	27.8	29.7	30.6	31.7	33.7	34.0	34.9	36.4*	36.9*	38.2*	39.4*
2400	19.5	21.4	23.7	25.9	28.0	28.9	30.8	31.7	32.7	34.6*	34.9*	35.8*	37.1*	37.6*	38.6*	39.6*
2600	20.3	22.2	24.6	26.8	28.8	29.8	31.6*	32.4*	33.4*	35.1*	35.3*	36.1*	37.2*	37.5*	38.4*	39.0*
2800	20.9	22.9	25.2	27.4	29.3*	30.2*	31.9*	32.7*	33.5*	35.0*	35.2*	35.8*	36.6*	36.9*	37.3*	37.5*
3000	21.4	23.3	25.6	27.7*	29.6*	30.4*	31.9*	32.6*	33.3*	34.4*	34.6*	34.9*	35.4*	35.5*	35.5*	...
3200	21.7	23.6	25.8*	27.8*	29.5*	30.2*	31.5*	32.0*	32.5*	33.2*	33.3*	33.4*	...	...	...	...
3400	21.8	23.7*	25.7*	27.5*	29.0*	29.6*	30.6*	30.9*	31.2*	31.4*	...	...	...	...	...	...
3600	21.7*	23.5*	25.4*	27.0*	28.2*	28.6*	29.2*	29.4*	29.4*	...	...	...	...	...	...	...
3800	21.4*	23.1*	24.8*	26.1*	27.0*	27.2*	27.4*	27.3*	...	...	...	...	...	...	...	...
4000	21.0*	22.4*	23.9*	24.9*	25.3*	25.4*	...	...	...	...	...	...	...	...	...	...
4200	20.3*	21.5*	22.7*	23.3*	23.3*	...	...	...	...	...	...	...	...	...	...	...
4400	19.3*	20.4*	21.2*	21.3*	...	...	...	...	...	...	...	...	...	...	...	...
4600	18.2*	18.9*	19.3*	...	...	...	...	...	...	...	...	...	...	...	...	...

* Made-to-order ductile iron sheaves required.

HORSEPOWER RATINGS for 5V BELTS



The combined Arc-Length correction factor shown in the Narrow pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page B1-16, should be applied to the total HP per belt before determining the number of belts required for the drive.

NOTE: These ratings apply for the Narrow V-Belt type belts only.

BASIC HORSEPOWER RATING PER BELT							"ADD-ON" RATING								
SMALL SHEAVE OUTSIDE DIAMETER							SPEED RATIO								
13.20	13.50	14.00	15.00	16.00	18.70	21.20	1.00 1.01	1.02 1.05	1.06 1.09	1.10 1.14	1.15 1.19	1.20 1.29	1.30 1.49	1.50 1.99	2.00 9.99
28.4	29.2	30.4	32.8	35.1	40.7	45.1	0.03	0.19	0.37	0.53	0.67	0.83	1.03	1.21	1.35
33.4	34.2	35.5	38.0	40.3	45.5*	48.9*	0.04	0.24	0.46	0.67	0.85	1.05	1.30	1.53	1.69
36.9	37.7	39.0	41.3*	43.3*	47.1*	48.1*	0.04	0.28	0.55	0.80	1.02	1.26	1.55	1.83	2.03
...	...	...	...	...	...	...	0.07	0.47	0.92	1.32	1.68	2.08	2.57	3.03	3.37
...	...	...	...	...	...	...	0.09	0.57	1.11	1.60	2.03	2.51	3.10	3.66	4.06
11.6	11.9	12.5	13.5	14.6	17.5	20.0	0.01	0.07	0.13	0.18	0.23	0.29	0.35	0.42	0.46
14.1	14.5	15.2	16.5	17.8	21.2	24.3	0.01	0.08	0.16	0.23	0.29	0.36	0.44	0.52	0.58
16.6	17.0	17.8	19.3	20.8	24.8	28.3	0.01	0.10	0.19	0.27	0.35	0.43	0.53	0.63	0.70
18.9	19.4	20.3	22.0	23.7	28.2	32.1	0.02	0.11	0.22	0.32	0.41	0.50	0.62	0.73	0.81
21.2	21.8	22.7	24.6	26.5	31.3	35.5	0.02	0.13	0.25	0.37	0.46	0.57	0.71	0.84	0.93
23.3	24.0	25.0	27.1	29.1	34.3	38.7	0.02	0.15	0.28	0.41	0.52	0.65	0.80	0.94	1.04
25.4	26.1	27.2	29.4	31.5	36.9	41.5	0.02	0.16	0.32	0.46	0.58	0.72	0.89	1.05	1.16
29.2	29.9	31.2	33.6	35.9	41.5	45.8*	0.03	0.20	0.38	0.55	0.70	0.86	1.06	1.25	1.39
32.5	33.3	34.6	37.1	39.4	44.8*	48.5*	0.03	0.23	0.44	0.64	0.81	1.01	1.24	1.46	1.62
35.2	36.1	37.4	39.8	42.0*	46.7*	49.1*	0.04	0.26	0.51	0.73	0.93	1.15	1.42	1.67	1.86
37.4	38.2	39.5*	41.7*	43.6*	47.0*	47.5*	0.04	0.29	0.57	0.82	1.04	1.29	1.60	1.88	2.09
39.0*	39.7*	40.8*	42.7*	44.1*	45.6*	...	0.05	0.33	0.63	0.91	1.16	1.44	1.77	2.09	2.32
39.8*	40.4*	41.3*	42.7*	43.4*	...	...	0.05	0.36	0.70	1.00	1.28	1.58	1.95	2.30	2.55
39.9*	40.3*	40.9*	41.5*	...	...	...	0.06	0.39	0.76	1.10	1.39	1.72	2.13	2.51	2.79
39.1*	39.4*	39.5*	...	...	...	...	0.06	0.42	0.82	1.19	1.51	1.87	2.31	2.72	3.02
37.5*	37.4*	...	...	...	...	...	0.07	0.46	0.89	1.28	1.62	2.01	2.48	2.93	3.25
...	...	...	...	...	...	...	0.07	0.49	0.95	1.37	1.74	2.15	2.66	3.14	3.48
...	...	...	...	...	...	...	0.08	0.52	1.01	1.46	1.86	2.30	2.84	3.35	3.71
...	...	...	...	...	...	...	0.08	0.55	1.08	1.55	1.97	2.44	3.02	3.56	3.95
...	...	...	...	...	...	...	0.09	0.59	1.14	1.64	2.09	2.59	3.19	3.76	4.18
...	...	...	...	...	...	...	0.09	0.62	1.20	1.74	2.21	2.73	3.37	3.97	4.41
...	...	...	...	...	...	...	0.10	0.65	1.27	1.83	2.32	2.87	3.55	4.18	4.64
...	...	...	...	...	...	...	0.10	0.68	1.33	1.92	2.44	3.02	3.73	4.39	4.87
...	...	...	...	...	...	...	0.11	0.72	1.39	2.01	2.55	3.16	3.90	4.60	5.11
...	...	...	...	...	...	...	0.11	0.75	1.46	2.10	2.67	3.30	4.08	4.81	5.34

Narrow V-Belt horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the RPM of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

RPM of Faster Shaft	BASIC HORSEPOWER RATING PER BELT												
	SMALL SHEAVE OUTSIDE DIAMETER												
	12.50	13.20	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.20	22.40	24.80	30.00
870	36.1	40.0	44.3	49.6	54.8	59.9	64.8	69.6	74.3	79.7	84.9	94.5	111.9*
960	38.8	42.9	47.5	53.2	58.7	64.1	69.2	74.2	79.0	84.6	89.8	99.3	115.3*
1160	43.9	48.6	53.8	60.0	66.0	71.7	77.1	82.2	87.1	92.4	97.3*	105.4*	115.0*
1460	49.6	54.7	60.3	66.8	72.9	78.4	83.4*	87.8*	91.7*	95.4*	98.2*	100.8*	...
1750	52.4	57.6	63.0	69.0*	74.3*	78.6*	82.1*	84.6*	86.1*	86.4*	...	...	...
200	10.6	11.7	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.6	25.4	28.9	36.3
300	15.1	16.6	18.4	20.6	22.8	25.0	27.1	29.3	31.4	33.9	36.4	41.4	52.0
500	23.3	25.7	28.5	32.0	35.4	38.8	42.1	45.4	48.7	52.6	56.4	63.9	79.4
600	27.1	29.9	33.2	37.2	41.2	45.1	48.9	52.8	56.5	61.0	65.3	73.7	90.8
700	30.6	33.9	37.5	42.1	46.6	51.0	55.3	59.5	63.7	68.6	73.3	82.5	100.4
800	33.9	37.5	41.6	46.7	51.6	56.4	61.1	65.7	70.2	75.4	80.5	90.0	107.9
900	37.0	41.0	45.4	50.9	56.2	61.3	66.4	71.2	76.0	81.4	86.6	96.3	113.3*
1000	39.9	44.1	48.9	54.7	60.3	65.8	71.0	76.1	80.9	86.5	91.7	101.1	116.2*
1100	42.5	47.0	52.0	58.1	64.0	69.7	75.0	80.2	85.0	90.5	95.5	104.3*	116.3*
1200	44.8	49.6	54.8	61.2	67.2	72.9	78.4	83.5	88.2	93.4*	98.1*	105.8*	113.6*
1300	46.9	51.8	57.3	63.7	69.9	75.6	81.0	85.9	90.4*	95.2*	99.4*	105.5*	...
1400	48.7	53.7	59.3	65.8	71.9	77.6	82.7*	87.4*	91.5*	95.7*	99.1*	103.2*	...
1500	50.2	55.3	60.9	67.4	73.4	78.9*	83.7*	87.9*	91.5*	94.9*	97.3*	98.7*	...
1600	51.3	56.5	62.1	68.5	74.3*	79.4*	83.8*	87.4*	90.3*	92.7*	93.8*	...	...
1700	52.2	57.3	62.8	69.0*	74.4*	79.1*	82.9*	85.8*	87.8*	88.9*	88.5*	...	...
1800	52.6	57.7	63.0*	68.9*	73.9*	78.0*	81.0*	83.0*	84.0*	83.5*	...	...	...
1900	52.7	57.7*	62.7*	68.2*	72.6*	76.0*	78.1*	79.1*	78.7*	...	...	...	...
2000	52.4	57.2*	61.9*	66.9*	70.6*	73.0*	74.1*	73.8*	...	...	...	...	...
2100	51.8*	56.2*	60.6*	64.8*	67.7*	69.1*	68.9*	...	...	...	...	...	...
2200	50.7*	54.8*	58.6*	62.1*	64.0*	64.2*	...	...	...	...	...	...	...

* Made-to-order ductile iron sheaves required.

HORSEPOWER RATINGS for 8V and 8VX BELTS



The combined Arc-Length correction factor shown in the Narrow pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page B1-16, should be applied to the total HP per belt before determining the number of belts required for the drive.

"ADD-ON" RATING								
SPEED RATIO								
1.00 1.01	1.02 1.05	1.06 1.09	1.10 1.14	1.15 1.19	1.20 1.29	1.30 1.49	1.50 1.99	2.00 9.99
0.11	0.69	1.34	1.94	2.46	3.04	3.76	4.43	4.92
0.12	0.76	1.48	2.14	2.71	3.36	4.15	4.89	5.43
0.14	0.92	1.79	2.58	3.28	4.06	5.01	5.91	6.56
0.18	1.16	2.25	3.25	4.13	5.11	6.31	7.44	8.26
0.21	1.39	2.70	3.89	4.95	6.12	7.56	8.92	9.90
0.02	0.16	0.31	0.45	0.57	0.70	0.86	1.02	1.13
0.04	0.24	0.46	0.67	0.85	1.05	1.30	1.53	1.70
0.06	0.40	0.77	1.11	1.41	1.75	2.16	2.55	2.83
0.07	0.48	0.93	1.34	1.70	2.10	2.59	3.06	3.39
0.09	0.55	1.08	1.56	1.98	2.45	3.03	3.57	3.96
0.10	0.63	1.23	1.78	2.26	2.80	3.46	4.08	4.52
0.11	0.71	1.39	2.00	2.54	3.15	3.89	4.59	5.09
0.12	0.79	1.54	2.23	2.83	3.50	4.32	5.09	5.65
0.13	0.87	1.70	2.45	3.11	3.85	4.75	5.60	6.22
0.15	0.95	1.85	2.67	3.39	4.20	5.19	6.11	6.79
0.16	1.03	2.00	2.89	3.68	4.55	5.62	6.62	7.35
0.17	1.11	2.16	3.12	3.96	4.90	6.05	7.13	7.92
0.18	1.19	2.31	3.34	4.24	5.25	6.48	7.64	8.48
0.19	1.27	2.47	3.56	4.52	5.60	6.92	8.15	9.05
0.21	1.35	2.62	3.78	4.81	5.95	7.35	8.66	9.61
0.22	1.43	2.78	4.01	5.09	6.30	7.78	9.17	10.18
0.23	1.50	2.93	4.23	5.37	6.65	8.21	9.68	10.74
0.24	1.58	3.08	4.45	5.65	7.00	8.64	10.19	11.31
0.26	1.66	3.24	4.67	5.94	7.35	9.08	10.70	11.87
0.27	1.74	3.39	4.90	6.22	7.70	9.51	11.21	12.44

*A Stock Part Won't Work On Your Drive?
No Problem, Let Wood's Make A Part to **Your** Specifications.*

MTO's By Wood's

Material

Cast Iron

Used on all specials unless otherwise specified.
Safe on wheels operating up to 6,500 FPM.
Class 30 and Class 35 commonly poured
Other classes available upon request.

Ductile Iron

Used when specified by the customer.
Safe on wheels operating up to 10,000 FPM.
80-55-06 as cast, 65-45-12 annealed for high shock,
100-70-03 for maximum tensile available.

Balance

Static Balance

All wheels recommended to receive a minimum
of a (one plane) static balance or equivalent.

Dynamic

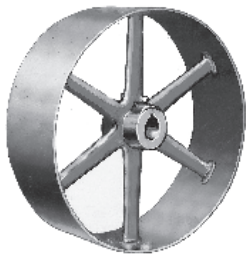
The need for dynamic (two plane) balance is
based on both rim speed and face width.

Bores

Wheels can be supplied bored to size, Sure-Grip bushed or clamp hub.
Special tolerances, tapered bores, splines, and metrics are also done.

Wheel Construction

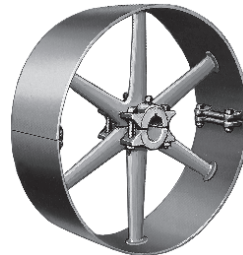
Many different construction types are available from numerous arm configurations
to special web centered types with drilling to mount to existing equipment.
Below are some of the more common constructions.



Solid



Clamp Hub



Split



Split Thru Arm

Flywheels

Flywheels are often added to many rough or pulsating loads to smooth operation.
Flywheels to provide any desired WR2 can be supplied.
Consult with Wood's engineers to assist with design.

Idler Wheels

Idler wheels can be made to accommodate bronze bushings or roller bearings.
Information on the bearings or bushings to be used, RPM, radial loading, and hub location should be supplied.
Our Sure-Grip Idler bushings and stock components can be used on many applications.

Special Flat Pulleys and Taper Cones

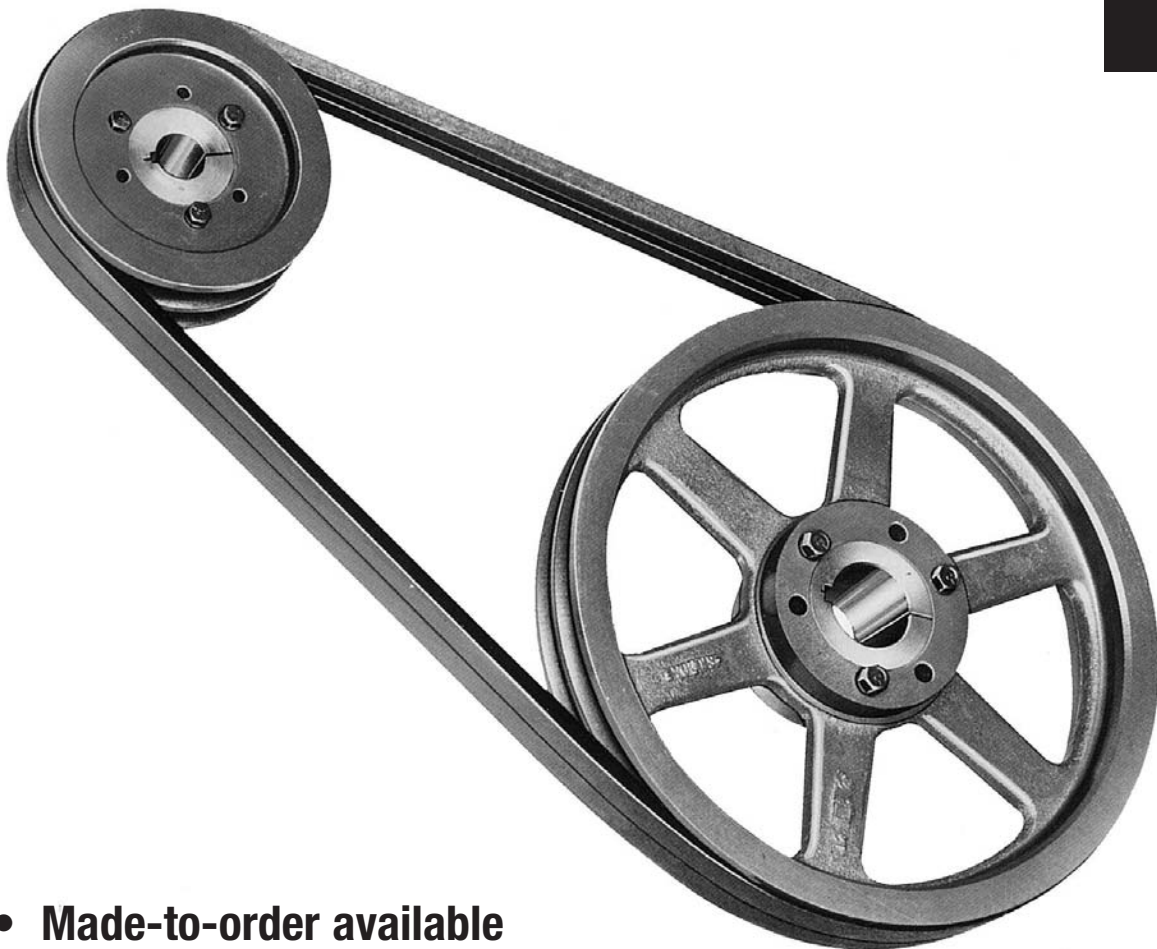
Special conveyor pulleys, face lagging and tapered cones are also available.

Miscellaneous Castings

Our shop not only pours our own high quality castings, they also can pour your as-cast or fully machined parts.

Classical (Conventional) Drives

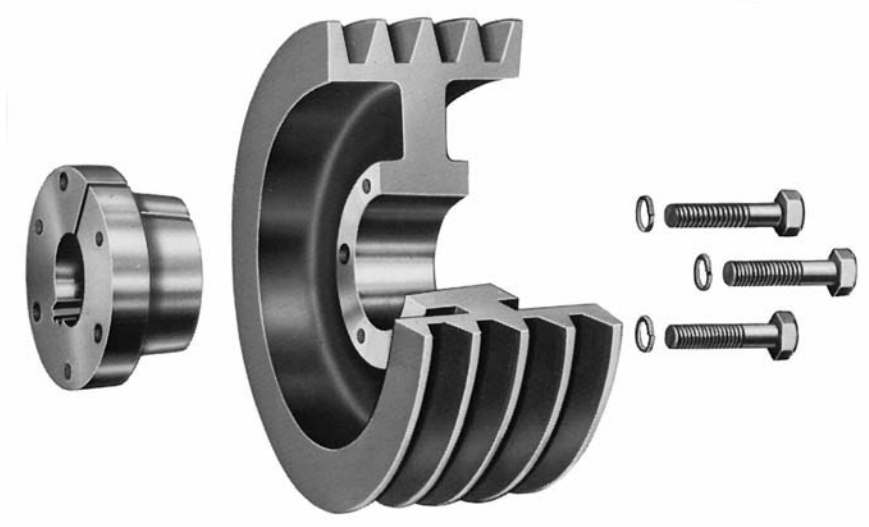
B2



- **Made-to-order available**
- **Are Easy to Install and Remove**
- **Bored to suit construction**

CLASSICAL SHEAVE FEATURES

Wood's sheaves are constructed of fine grain, high tensile cast iron, and have been carefully engineered to assure maximum performance over a long life span. Behind each sheave is one of the most extensive engineering design and testing programs in the industry.



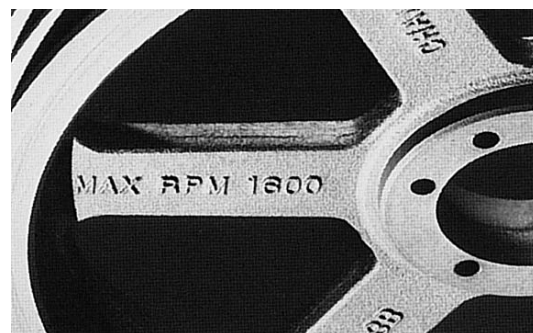
With the advent of higher V-belt ratings, Wood's engineers instituted additional careful test programs to ensure that each Wood's sheave would be capable of safely and dependably delivering the increased performance which was required by the new ratings. Wood's engineers, using a special strain gage test stand, subject sheaves to tension and compression stresses far in excess of those encountered in actual operation.

In another standard test procedure, Wood's sheaves are operated at extremely high speeds. Sheaves are selected from warehouse stocks and tested until they are burst by centrifugal force. Such destructive testing allows Wood's engineers to study the effects of construction and balance on sheave performance. The goal is to assure safe operation at normal speeds. Other continuing programs check product quality in the laboratory and on the manufacturing line.

For applications with special requirements, Wood's sheaves are also available on a made-to-order basis in either cast or ductile iron, and in Sure-Grip or bored-to-suit construction.

Wood's stock classical sheaves are available with the convenient Sure-Grip QD type bushing. Easy to install and remove, these split, tapered bushings grip the shaft with the equivalent of a shrink fit. This tight holding power eliminates freezing and fretting corrosion between the shaft and the bore and assures quick removal and interchangeability when necessary.

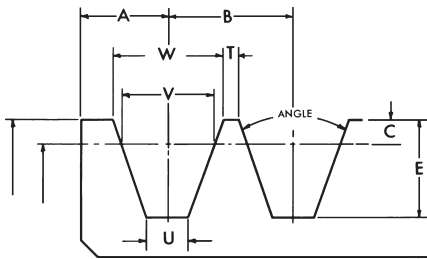
Stock sheaves are designed to carry the loads of all belts shown in this catalog and other similarly rated V-Belts. For special higher rated V-Belts, consult Wood's Engineering Department for recommendations.



We cast or stamp the maximum safe operating speed, in rpm, on all sheaves we manufacture.

CLASSICAL(CONVENTIONAL) SHEAVE GROOVE DETAILS

STANDARD GROOVE DIMENSIONS



V-Belt	GROOVE DIMENSIONS IN INCHES										
	A	B	C	D	E	V	T	U	W	Angle of Groove	Used on Datums
A-B	1/2	3/4	.175	.206	.6125	.5053	.1377	.2379	.6123	34°	3.4 to 7.0
							.1241	.2040	.6259	38°	Over 7.0
C	1 1/16	1	.200	.200	.780	.757	.121	.402	.879	34°	7.0 to 7.9
							.113	.380	.887	36°	8.0 to 12.0
D	7/8	1 7/16	.300	.300	1.050	1.076	.1785	.617	1.259	34°	12.0 to 12.9
							.1665	.589	1.271	36°	13.0 to 17.0
							.1545	.550	1.283	38°	Over 17.0

STANDARD SHEAVE FACE WIDTHS

Groove Section	FACE WIDTH OF SHEAVE IN INCHES																		For Each Additional Groove Add	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
A	3/4	1 3/8	2	2 5/8	3 1/4	3 7/8	4 1/2	5 1/8	5 3/4	6 3/8	7	7 5/8	8 1/4	8 7/8	9 1/2	10 1/8	10 3/4	11 3/8	11 5/8	5/8
B	1	1 3/4	2 1/2	3 1/4	4	4 3/4	5 1/2	6 1/4	7	7 3/4	8 1/2	9 1/4	10	10 3/4	11 1/2	12 1/4	13	13 3/4	14 1/4	3/4
C	1 3/8	2 3/8	3 3/8	4 3/8	5 3/8	6 3/8	7 3/8	8 3/8	9 3/8	10 3/8	11 3/8	12 3/8	13 3/8	14 3/8	15 3/8	16 3/8	17 3/8	18 3/8	19 3/8	1
D	1 3/4	3 3/16	4 5/8	6 1/16	7 1/2	8 15/16	10 3/8	11 13/16	13 1/4	14 11/16	16 1/8	17 9/16	19	20 7/16	21 7/8	23 13/16 *	25 1/4 *	26 11/16 *	28 1/2 *	1 7/16

* Sheaves 16D groove and over have 1/2 inch added to overall face width. All dimensions in inches.

DEEP GROOVE DIMENSIONS

V-Belt	GROOVE DIMENSIONS IN INCHES											
	A	B	C	D	E	V	T	U	W	Angle of Groove	Used on Datums	
B	9/16	7/8	.355	.065	.7925	.5053	.153	.262	.747	34	4.6 to 7.0	
							.125	.228	.774	38	Over 7.0	
C	1 3/16	1 1/4	.505	.200	1.085	.757	.1840	.402	1.066	34	7.0 to 7.99	
							.165	.380	1.085	36	8.0 to 12.0	
							.145	.358	1.105	38	Over 12.0	
D	1 1/16	1 3/4	.715	.300	1.465	1.076	.237	.617	1.513	34	12.0 to 12.99	
							.209	.589	1.541	36	13.0 to 17.0	
							.181	.560	1.569	38	Over 17.0	

DEEP GROOVE SHEAVE FACE WIDTHS

V-Belt	FACE WIDTH OF SHEAVE IN INCHES																		For Each Additional Groove Add	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
B	1 1/8	2	2 7/8	3 3/4	4 5/8	5 1/2	6 3/8	7 1/4	8 1/8	9	9 7/8	10 3/4	11 5/8	12 1/2	13 3/8	14 1/4	15 1/8	16	16 3/8	7/8
C	1 5/8	2 7/8	4 1/8	5 3/8	6 5/8	7 7/8	9 1/8	10 3/8	11 5/8	12 7/8	14 1/8	15 3/8	16 5/8	17 7/8	19 1/8	20 3/8	21 5/8	22 7/8	24 1/8	1 1/4
D	2 1/8	3 7/8	5 5/8	7 3/8	9 1/8	10 7/8	12 5/8	14 3/8	16 1/8	17 7/8	19 5/8	21 3/8	23 1/8	24 7/8	26 5/8	28 3/8	30 1/8	31 7/8	34 1/8	1 3/4

These Classical Sheaves are designed to carry the loads of all belts shown in this catalog and other similarly rated V-Belts. For special higher rated V-Belts, consult Wood's Application Engineering Department for recommendations.

The sheaves listed below are all stock sizes. The dimensions given are with the Sure-Grip bushing in place. The figure following the letter in the "Type" column indicates the sheave construction: 1-Solid; 2-Web, 3-Arms.

DIMENSIONS (In Inches)

Datum Dia.		O.D.	I.D.	Product No.	1 GROOVE								Product No.	2 GROOVE							
A Belts	B Belts				F = 7/8 & 1									F = 1-3/4							
					E *	Type	Bush.	K	L	M	Wt.	E *		Type	Bush.	K	L	M	Wt.		
3.0	3.4	3.75	2.12	341B	1/2	D1	SH	1/16	1-1/4	1/8	1.8	342B	1-1/16	E1	SH	0	1-1/4	9/16	2.9		
3.2	3.6	3.95	2.25	361B	1/2	D1	SH	1/16	1-1/4	1/8	2.1	362B	7/8	E1	SH	-3/16	1-1/4	3/8	3.2		
3.4	3.8	4.15	2.44	381B	1/2	D1	SH	1/16	1-1/4	1/8	2.3	382B	7/8	E1	SH	-3/16	1-1/4	3/8	3.6		
3.6	4.0	4.35	2.75	401B	1/4	C1	SH	5/16	1-1/4	1/8	2.8	402B	1/8	A1	SH	11/16	1-1/4	3/8	3.8		
3.8	4.2	4.55	2.94	421B	1/4	C1	SH	5/16	1-1/4	1/8	3.0	422B	1/8	A1	SH	11/16	1-1/4	3/8	4.3		
4.0	4.4	4.75	3.12	441B	1/4	C1	SH	5/16	1-1/4	1/8	3.3	442B	1/8	A1	SH	11/16	1-1/4	3/8	4.7		
4.2	4.6	4.95	3.38	461B	5/16	C1	SDS	5/16	1-5/16	1/8	3.8	462B	1/16	A1	SDS	11/16	1-5/16	3/8	4.8		
4.4	4.8	5.15	3.38	481B	5/16	C1	SDS	5/16	1-5/16	1/8	3.8	482B	1/16	A1	SDS	11/16	1-5/16	3/8	5.5		
4.6	5.0	5.35	3.62	501B	5/16	C1	SDS	5/16	1-5/16	1/8	4.1	502B	1/16	A1	SDS	11/16	1-5/16	3/8	5.6		
4.8	5.2	5.55	3.69	521B	5/16	C1	SDS	5/16	1-5/16	1/8	4.3	522B	1/16	A1	SDS	11/16	1-5/16	3/8	6.6		
5.0	5.4	5.75	4.00	541B	5/16	C1	SDS	5/16	1-5/16	1/8	4.6	542B	1/16	A1	SDS	11/16	1-5/16	3/8	6.5		
5.2	5.6	5.95	4.31	561B	5/16	C1	SDS	5/16	1-5/16	1/8	5.1	562B	1/16	A1	SDS	11/16	1-5/16	3/8	7.4		
5.4	5.8	6.15	4.41	581B	5/16	C1	SDS	5/16	1-5/16	1/8	5.3	582B	1/16	A1	SDS	11/16	1-5/16	3/8	7.6		
5.6	6.0	6.35	4.50	601B	5/16	C1	SDS	5/16	1-5/16	1/8	5.6	602B	1/16	A1	SDS	11/16	1-5/16	3/8	8.2		
5.8	6.2	6.55	4.81	621B	5/16	C1	SDS	5/16	1-5/16	1/8	5.8	622B	1/16	A1	SDS	11/16	1-5/16	3/8	8.5		
6.0	6.4	6.75	4.88	641B	5/16	C1	SDS	5/16	1-5/16	1/8	6.2	642B	1/16	A1	SDS	11/16	1-5/16	3/8	9.2		
6.2	6.6	6.95	5.22	661B	5/16	C1	SDS	5/16	1-5/16	0	7.4	662B	1/16	A1	SDS	11/16	1-5/16	3/8	9.5		
6.4	6.8	7.15	5.31	681B	5/16	C1	SDS	5/16	1-5/16	0	7.9	682B	1/16	A1	SDS	11/16	1-5/16	3/8	10.3		
6.6	7.0	7.35	5.50	701B	1/2	D2	SDS	1/8	1-5/16	3/16	6.8	702B	9/32	D1	SK	7/16	1-7/8	5/32	13.3		
7.0	7.4	7.75	5.70	741B	1/2	D2	SDS	1/8	1-5/16	3/16	7.7	742B	9/32	D2	SK	7/16	1-7/8	5/32	14.7		
7.6	8.0	8.35	6.63	801B	1/2	D2	SDS	1/8	1-5/16	3/16	8.5	802B	9/32	D2	SK	7/16	1-7/8	5/32	14.0		
8.2	8.6	8.95	7.25	861B	1/2	D2	SDS	1/8	1-5/16	3/16	9.6	862B	9/32	D2	SK	7/16	1-7/8	5/32	15.3		
9.0	9.4	9.75	8.00	941B	1/2	D3	SDS	1/8	1-5/16	3/16	8.9	942B	9/32	D3	SK	7/16	1-7/8	5/32	14.5		
10.6	11.0	11.35	9.62	1101B	1/2	D3	SDS	1/8	1-5/16	3/16	11.7	1102B	9/32	D3	SK	7/16	1-7/8	5/32	17.0		
12.0	12.4	12.75	11.06	1241B	1/2	D3	SDS	1/8	1-5/16	3/16	12.2	1242B	9/32	D3	SK	7/16	1-7/8	5/32	21.0		
13.2	13.6	13.95	12.25	1361B	1/2	D3	SDS	1/8	1-5/16	3/16	14.0	1362B	9/32	D3	SK	7/16	1-7/8	5/32	23.1		
15.0	15.4	15.75	14.00	1541B	19/32	C3	SK	1/8	1-7/8	9/32	20.3	1542B	9/32	D3	SK	7/16	1-7/8	5/32	28.7		
15.6	16.0	16.35	14.62	1601B	19/32	C3	SK	1/8	1-7/8	9/32	18.4	1602B	9/32	D3	SK	7/16	1-7/8	5/32	25.5		
18.0	18.4	18.75	17.00	1841B	19/32	C3	SK	1/8	1-7/8	9/32	23.7	1842B	9/32	D3	SK	7/16	1-7/8	5/32	29.6		
19.6	20.0	20.35	18.50	2001B	19/32	C3	SK	1/8	1-7/8	9/32	30.7	2002B	5/16	D3	SF	3/8	2	1/16	43.5		
24.6	25.0	25.35	23.38	2501B	11/16	C3	SF	0	2	1/4	44.0	2502B	5/16	D3	SF	3/8	2	1/16	53.7		
29.6	30.0	30.35	28.50	3001B	11/16	C3	SF	0	2	1/4	55.0	3002B	5/16	D3	SF	3/8	2	1/16	64.7		
37.6	38.0	38.35	36.38	...	...	...	...	...	...	...	...	3802B	5/16	D3	SF	3/8	2	1/16	97.9

* "E" Dimension varies according to shaft tolerance.

Weights for all Sure-Grip bushed items are approximate and include the bushing.

 Also available from stock made for the SF Bushing to accommodate larger bores.

P.D. for "A" Belts = DD + .25

P.D. for "B" Belts = DD + .413

Sure-Grip Bushing dimensions — see section A1

STOCK CLASSICAL (CONVENTIONAL) SHEAVES

A-B

TB Wood's Incorporated


An Altra Industrial Motion Company

DIMENSIONS (In Inches)

Datum Dia.		O.D.	I.D.	Product No.	3 GROOVE							Product No.	4 GROOVE						
A Belts	B Belts				F = 2-1/2								F = 3-1/4						
					E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
3.0	3.4	3.75	2.12	343B	1-13/16	E1	SH	0	1-1/4	9/16	3.7	344B	2-3/8	E1	SD	7/16	1-13/16	15/16	5.6
3.2	3.6	3.95	2.25	363B	1-5/8	E1	SH	3/16	1-1/4	3/8	4.1	364B	2-3/8	E1	SD	7/16	1-13/16	15/16	6.2
3.4	3.8	4.15	2.44	383B	1-5/8	E1	SH	3/16	1-1/4	3/8	4.5	384B	2-3/8	E1	SD	5/16	1-13/16	15/16	6.2
3.6	4.0	4.35	2.75	403B	1/2	A1	SH	1-1/16	1-1/4	3/4	4.7	404B	2-1/16	E1	SD	0	1-13/16	5/8	6.5
3.8	4.2	4.55	2.88	423B	1/2	A1	SH	1-1/16	1-1/4	3/4	5.3	424B	2-1/16	E1	SD	0	1-13/16	5/8	6.9
4.0	4.4	4.75	3.12	443B	1/2	A1	SH	1-1/16	1-1/4	3/4	5.6	444B	2-1/16	E1	SD	0	1-13/16	5/8	7.4
4.2	4.6	4.95	3.35	463B	7/16	A1	SD	1-1/16	1-13/16	1/4	6.8	464B	11/16	A1	SD	1-5/16	1-13/16	3/4	8.0
4.4	4.8	5.15	3.44	483B	7/16	A1	SD	1-1/16	1-13/16	1/4	7.5	484B	11/16	A1	SD	1-5/16	1-13/16	3/4	8.8
4.6	5.0	5.35	3.62	503B	7/16	A1	SD	1-1/16	1-13/16	1/4	8.1	504B	11/16	A1	SD	1-5/16	1-13/16	3/4	9.1
4.8	5.2	5.55	3.81	523B	7/16	A1	SD	1-1/16	1-13/16	1/4	8.8	524B	11/16	A1	SD	1-5/16	1-13/16	3/4	10.2
5.0	5.4	5.75	4.06	543B	7/16	A1	SD	1-1/16	1-13/16	1/4	9.3	544B	11/16	A1	SD	1-5/16	1-13/16	3/4	10.5
5.2	5.6	5.95	4.25	563B	7/16	A1	SD	1-1/16	1-13/16	1/4	10.0	564B	11/16	A1	SD	1-5/16	1-13/16	3/4	11.3
5.4	5.8	6.15	4.42	583B	7/16	A1	SD	1-1/16	1-13/16	1/4	10.7	584B	11/16	A1	SD	1-5/16	1-13/16	3/4	12.1
5.6	6.0	6.35	4.68	603B	7/16	A2	SD	1-1/16	1-13/16	1/4	11.2	604B	11/16	A1	SD	1-5/16	1-13/16	3/4	13.3
5.8	6.2	6.55	4.82	623B	7/16	A1	SD	1-1/16	1-13/16	1/4	12.6	624B	11/16	A1	SD	1-5/16	1-13/16	3/4	14.4
6.0	6.4	6.75	5.06	643B	7/16	A1	SD	1-1/16	1-13/16	1/4	13.0	644B	11/16	A1	SD	1-5/16	1-13/16	3/4	15.1
6.2	6.6	6.95	5.25	663B	7/16	A1	SD	1-1/16	1-13/16	1/4	10.5	664B	11/16	A1	SD	1-5/16	1-13/16	3/4	15.3
6.4	6.8	7.15	5.44	683B	7/16	A2	SD	1-1/16	1-13/16	1/4	11.5	684B	11/16	A1	SD	1-5/16	1-13/16	3/4	16.8
6.6	7.0	7.35	5.62	703B	1/32	D2	SK	11/16	1-7/8	21/32	15.2	704B	9/32	A1	SK	1	1-7/8	1-3/32	17.2
7.0	7.4	7.75	6.06	743B	1/32	D2	SK	11/16	1-7/8	21/32	16.9	744B	9/32	A2	SK	1	1-7/8	1-3/32	16.2
7.6	8.0	8.35	6.73	803B	1/32	D2	SK	11/16	1-7/8	21/32	15.7	804B	9/32	A2	SK	1	1-7/8	1-3/32	18.1
8.2	8.6	8.95	7.31	863B	1/32	D2	SK	11/16	1-7/8	21/32	17.6	864B	9/32	A2	SK	1	1-7/8	1-3/32	22.0
9.0	9.4	9.75	8.00	943B	1/32	D3	SK	11/16	1-7/8	21/32	18.0	944B	9/32	A2	SK	1	1-7/8	1-3/32	23.9
10.6	11.0	11.35	9.62	1103B	1/32	D3	SK	11/16	1-7/8	21/32	19.6	1104B	9/32	A3	SK	1	1-7/8	1-3/32	26.4
12.0	12.4	12.75	11.06	1243B	1/32	D3	SK	11/16	1-7/8	21/32	22.5	1244B	9/32	A3	SK	1	1-7/8	1-3/32	28.4
13.2	13.6	13.95	12.25	1363B	1/32	D3	SK	11/16	1-7/8	21/32	26.4	1364B	9/32	A3	SK	1	1-7/8	1-3/32	29.9
15.0	15.4	15.75	14.00	1543B	1/32	D3	SK	11/16	1-7/8	21/32	30.4	1544B	5/16	A3	SF	1	2	15/16	40.3
15.6	16.0	16.35	14.62	1603B	1/32	D3	SK	11/16	1-7/8	21/32	32.7	1604B	5/16	A3	SF	1	2	15/16	38.7
18.0	18.4	18.75	17.00	1843B	1/32	D3	SK	11/16	1-7/8	21/32	35.6	1844B	5/16	A3	SF	1	2	15/16	44.9
19.6	20.0	20.35	18.50	2003B	1/16	D3	SF	5/8	2	9/16	45.7	2004B	5/16	A3	SF	1	2	15/16	56.6
24.6	25.0	25.35	23.38	2503B	1/16	D3	SF	5/8	2	9/16	65.8	2504B	3/32	A3	E	1	2-5/8	17/32	83.2
29.6	30.0	30.35	28.50	3003B	1/16	D3	SF	5/8	2	9/16	90.4	3004B	3/32	A3	E	1	2-5/8	17/32	110.1
37.6	38.0	38.35	36.38	3803B	9/32	D3	E	5/8	2-5/8	5/32	143.3	3804B	3/32	A3	E	1	2-5/8	17/32	158.0

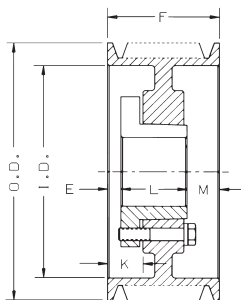
* "E" Dimension varies according to shaft tolerance.

Weights for all Sure-Grip bushed items are approximate and include the bushing.

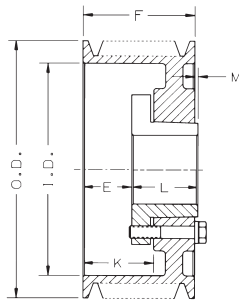
 Also available from stock made for the SF Bushing to accommodate larger bores.

P.D. for "A" Belts = DD + .25

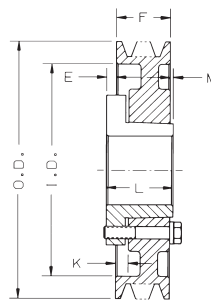
P.D. for "B" Belts = DD + .413



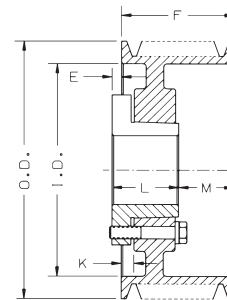
Type A



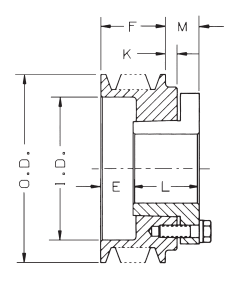
Type B



Type C



Type D



Type E

Sure-Grip Bushing dimensions — see section A1

These Classical Sheaves are designed to carry the loads of all belts shown in this catalog and other similarly rated V-Belts. For special higher rated V-Belts, consult Wood's Application Engineering Department for recommendations.

The sheaves listed below are all stock sizes. The dimensions given are with the Sure-Grip bushing in place. The figure following the letter in the "Type" column indicates the sheave construction: 1-Solid; 2-Web, 3-Arms.

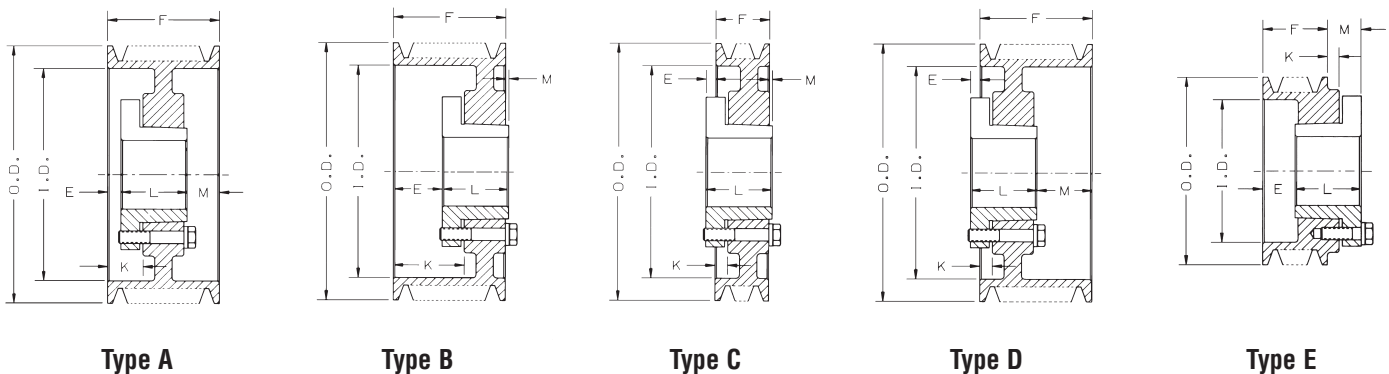
DIMENSIONS (In Inches)

Datum Dia.		O.D.	I.D.	Product No.	5 GROOVE							Product No.	6 GROOVE						
A Belts	B Belts				F = 4								F = 4-3/4						
					E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
3.0	3.4	3.75	2.12	345B	3-1/8	E1	SD	5/16	1-13/16	15/16	6.5	346B	3-7/8	E1	SD	5/16	1-13/16	15/16	7.2
3.2	3.6	3.95	2.25	365B	3-1/8	E1	SD	5/16	1-13/16	15/16	7.1	366B	3-7/8	E1	SD	5/16	1-13/16	15/16	8.0
3.4	3.8	4.15	2.44	385B	3-1/8	E1	SD	5/16	1-13/16	15/16	7.2	386B	3-7/8	E1	SD	5/16	1-13/16	15/16	8.1
3.6	4.0	4.35	2.62	405B	2-13/16	E1	SD	0	1-13/16	5/8	7.5	406B	3-9/16	E1	SD	0	1-13/16	5/8	8.5
3.8	4.2	4.55	2.88	425B	2-13/16	E1	SD	0	1-13/16	5/8	7.9	426B	3-9/16	E1	SD	0	1-13/16	5/8	9.0
4.0	4.4	4.75	3.12	445B	2-13/16	E1	SD	0	1-13/16	5/8	8.4	446B	3-9/16	E1	SD	0	1-13/16	5/8	9.5
4.2	4.6	4.95	3.31	465B	11/16	A1	SD	1-5/16	1-13/16	1-1/2	9.1	466B	11/16	A1	SD	1-5/16	1-13/16	2-1/4	10.2
4.4	4.8	5.15	3.44	485B	11/16	A1	SD	1-5/16	1-13/16	1-1/2	10.1	486B	11/16	A1	SD	1-5/16	1-13/16	2-1/4	11.0
4.6	5.0	5.35	3.62	505B	11/16	A1	SD	1-5/16	1-13/16	1-1/2	10.8	506B	11/16	A1	SD	1-5/16	1-13/16	2-1/4	11.8
4.8	5.2	5.55	3.81	525B	11/16	A1	SD	1-5/16	1-13/16	1-1/2	11.6	526B	11/16	A1	SD	1-5/16	1-13/16	2-1/4	13.0
5.0	5.4	5.75	4.12	545B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	12.0	546B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	13.3
5.2	5.6	5.95	4.30	565B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	12.9	566B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	14.6
5.4	5.8	6.15	4.48	585B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	13.7	586B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	15.5
5.6	6.0	6.35	4.68	605B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	14.5	606B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	16.5
5.8	6.2	6.55	4.82	625B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	15.7	626B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	17.4
6.0	6.4	6.75	5.06	645B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	16.3	646B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	18.0
6.2	6.6	6.95	5.29	665B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	17.0	666B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	18.7
6.4	6.8	7.15	5.44	685B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	18.2	686B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	20.1
6.6	7.0	7.35	5.63	705B	5/8	A1	SF	1-5/16	2	1-3/8	19.7	706B	1	A1	SF	1-11/16	2	1-3/4	21.7
7.0	7.4	7.75	6.06	745B	5/8	A1	SF	1-5/16	2	1-3/8	21.5	746B	1	A1	SF	1-11/16	2	1-3/4	23.6
7.6	8.0	8.35	6.63	805B	5/8	A1	SF	1-5/16	2	1-3/8	22.3	806B	1	A1	SF	1-11/16	2	1-3/4	27.1
8.2	8.6	8.95	7.31	865B	5/8	A2	SF	1-5/16	2	1-3/8	20.8	866B	1	A1	SF	1-11/16	2	1-3/4	30.2
9.0	9.4	9.75	8.00	945B	5/8	A3	SF	1-5/16	2	1-3/8	25.1	946B	1	A2	SF	1-11/16	2	1-3/4	25.7
10.6	11.0	11.35	9.62	1105B	5/8	A3	SF	1-5/16	2	1-3/8	31.0	1106B	1	A3	SF	1-11/16	2	1-3/4	36.0
12.0	12.4	12.75	11.06	1245B	5/8	A3	SF	1-5/16	2	1-3/8	34.0	1246B	1	A3	SF	1-11/16	2	1-3/4	37.5
13.2	13.6	13.95	12.31	1365B	5/8	A3	SF	1-5/16	2	1-3/8	36.7	1366B	1	A3	SF	1-11/16	2	1-3/4	41.7
15.0	15.4	15.75	14.06	1545B	5/8	A3	SF	1-5/16	2	1-3/8	42.3	1546B	1	A3	SF	1-11/16	2	1-3/4	46.1
15.6	16.0	16.35	14.62	1605B	5/8	A3	SF	1-5/16	2	1-3/8	47.1	1606B	1	A3	SF	1-11/16	2	1-3/4	51.8
18.0	18.4	18.75	17.00	1845B	5/8	A3	SF	1-5/16	2	1-3/8	54.8	1846B	1	A3	SF	1-11/16	2	1-3/4	60.7
19.6	20.0	20.35	18.56	2005B	11/32	A3	E	1-1/4	2-5/8	1-1/32	79.9	2006B	13/32	A3	E	1-3/8	2-5/8	1-21/32	78.3
24.6	25.0	25.35	23.38	2505B	11/32	A3	E	1-1/4	2-5/8	1-1/32	97.2	2506B	13/32	A3	E	1-3/8	2-5/8	1-21/32	116.8
29.6	30.0	30.35	28.50	3005B	11/32	A3	E	1-1/4	2-5/8	1-1/32	124.2	3006B	13/32	A3	E	1-3/8	2-5/8	1-21/32	144.5
37.6	38.0	38.35	36.38	3805B	11/32	A3	E	1-1/4	2-5/8	1-1/32	172.7	3806B	13/32	A3	E	1-3/8	2-5/8	1-21/32	189.9

* "E" Dimension varies according to shaft tolerance.

Weights for all Sure-Grip bushed items are approximate and include the bushing.

P.D. for "A" Belts = DD + .25 P.D. for "B" Belts = DD + .413



Sure-Grip Bushing dimensions — see section A1

STOCK CLASSICAL (CONVENTIONAL) SHEAVES

A-B



An Altra Industrial Motion Company

DIMENSIONS (In Inches)

Datum Dia.		O.D.	I.D.	Product No.	7 GROOVE							Product No.	8 GROOVE						
A	B				F = 5-1/2								F = 6-1/4						
Belts	Belts				E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
5.0	5.4	5.75	4.12	547B	1-3/32	A1	SK	1-13/16	1-7/8	2-17/32	14.7	548B	1-3/32	A1	SK	1-13/16	1-7/8	3-9/32	16.0
5.2	5.6	5.95	4.25	567B	1-3/32	A1	SK	1-13/16	1-7/8	2-17/32	16.1	568B	1-3/32	A1	SK	1-13/16	1-7/8	3-9/32	20.6
5.4	5.8	6.15	4.44	587B	1-3/32	A1	SK	1-13/16	1-7/8	2-17/32	17.1	588B	1-3/32	A1	SK	1-13/16	1-7/8	3-9/32	18.7
5.6	6.0	6.35	4.68	607B	1-1/8	A1	SF	1-13/16	2	2-3/8	18.2	608B	1-1/8	A1	SF	1-13/16	2	3-1/8	19.7
5.8	6.2	6.55	4.81	627B	1-1/8	A1	SF	1-13/16	2	2-3/8	19.7	628B	1-1/8	A1	SF	1-13/16	2	3-1/8	21.5
6.0	6.4	6.75	5.06	647B	1-1/8	A1	SF	1-13/16	2	2-3/8	20.3	648B	1-1/8	A1	SF	1-13/16	2	3-1/8	22.0
6.2	6.6	6.95	5.25	667B	1-1/8	A1	SF	1-13/16	2	2-3/8	21.4	668B	1-1/8	A1	SF	1-13/16	2	3-1/8	23.2
6.4	6.8	7.15	5.44	687B	1-1/8	A1	SF	1-13/16	2	2-3/8	22.5	688B	1-1/8	A1	SF	1-13/16	2	3-1/8	24.4
6.6	7.0	7.35	5.62	707B	1-1/8	A1	SF	1-13/16	2	2-3/8	23.7	708B	1-1/8	A1	SF	1-13/16	2	3-1/8	25.7
7.0	7.4	7.75	6.06	747B	1-1/8	A1	SF	1-13/16	2	2-3/8	25.7	748B	1-1/8	A1	SF	1-13/16	2	3-1/8	27.7
8.2	8.6	8.95	7.25	867B	1-3/32	A1	E	2	2-5/8	1-25/32	38.4	868B	1-15/32	A1	E	2-3/8	2-5/8	2-5/32	40.9
9.0	9.4	9.75	8.06	947B	1-3/32	A2	E	2	2-5/8	1-25/32	39.6	948B	1-15/32	A2	E	2-3/8	2-5/8	2-5/32	42.4
10.6	11.0	11.35	9.62	1107B	1-3/32	A2	E	2	2-5/8	1-25/32	48.9	1108B	1-15/32	A2	E	2-3/8	2-5/8	2-5/32	52.2
12.0	12.4	12.75	11.04	1247B	1-3/32	A2	E	2	2-5/8	1-25/32	56.3	1248B	1-15/32	A2	E	2-3/8	2-5/8	2-5/32	59.5
13.2	13.6	13.95	12.25	1367B	1-3/32	A3	E	2	2-5/8	1-25/32	55.8	1368B	1-15/32	A3	E	2-3/8	2-5/8	2-5/32	59.8
15.0	15.4	15.75	14.00	1547B	1-3/32	A3	E	2	2-5/8	1-25/32	67.4	1548B	1-15/32	A3	E	2-3/8	2-5/8	2-5/32	70.8
15.6	16.0	16.35	14.62	1607B	1-3/32	A3	E	2	2-5/8	1-25/32	70.6	1608B	1-15/32	A3	E	2-3/8	2-5/8	2-5/32	73.9
18.0	18.4	18.75	16.75	1847B	1/4	A3	F	1-5/16	3-5/8	1-5/8	102.5	1848B	1/4	A3	F	1-5/16	3-5/8	2-3/8	111.7
19.6	20.0	20.35	18.56	2007B	1/4	A3	F	1-5/16	3-5/8	1-5/8	105.9	2008B	1/4	A3	F	1-5/16	3-5/8	2-3/8	113.4
24.6	25.0	25.35	23.38	2507B	1/4	A3	F	1-5/16	3-5/8	1-5/8	133.6	2508B	1/4	A3	F	1-5/16	3-5/8	2-3/8	145.9
29.6	30.0	30.35	28.38	3007B	1/4	A3	F	1-5/16	3-5/8	1-5/8	172.0	3008B	1/4	A3	F	1-5/16	3-5/8	2-3/8	183.0
37.6	38.0	38.35	36.38	3807B	1/4	A3	F	1-5/16	3-5/8	1-5/8	243.4	3808B	1/4	A3	F	1-5/16	3-5/8	2-3/8	246.9

Datum Dia.		O.D.	I.D.	Product No.	10 GROOVE						
A	B				F = 7-3/4						
Belts	Belts				E *	Type	Bush.	K	L	M	Wt.
5.0	5.4	5.75	4.12	5410B	1-27/32	A1	SK	2-9/16	1-7/8	4-1/32	18.7
5.2	5.6	5.95	4.25	5610B	1-27/32	A1	SK	2-9/16	1-7/8	4-1/32	20.6
5.4	5.8	6.15	4.38	5810B	1-27/32	A1	SK	2-9/16	1-7/8	4-1/32	21.8
5.6	6.0	6.35	4.68	6010B	1-7/8	A1	SF	2-9/16	2	3-7/8	22.9
5.8	6.2	6.55	4.81	6210B	1-7/8	A1	SF	2-9/16	2	3-7/8	25.0
6.0	6.4	6.75	5.06	6410B	1-7/8	A1	SF	2-9/16	2	3-7/8	25.5
6.2	6.6	6.95	5.25	6610B	1-7/8	A1	SF	2-9/16	2	3-7/8	26.8
6.4	6.8	7.15	5.44	6810B	1-7/8	A1	SF	2-9/16	2	3-7/8	28.2
6.6	7.0	7.35	5.62	7010B	1-7/8	A1	SF	2-9/16	2	3-7/8	29.6
7.0	7.4	7.75	6.06	7410B	1-7/8	A1	SF	2-9/16	2	3-7/8	31.9
8.2	8.6	8.95	7.25	8610B	2-7/32	A1	E	3-1/8	2-5/8	2-29/32	45.8
9.0	9.4	9.75	8.12	9410B	2-7/32	A2	E	3-1/8	2-5/8	2-29/32	46.7
10.6	11.0	11.35	9.62	11010B	2-7/32	A2	E	3-1/8	2-5/8	2-29/32	58.8
12.0	12.4	12.75	11.06	12410B	2-7/32	A2	E	3-1/8	2-5/8	2-29/32	66.8
13.2	13.6	13.95	12.25	13610B	1	A3	F	2-1/16	3-5/8	3-1/8	83.6
15.0	15.4	15.75	14.00	15410B	1	A3	F	2-1/16	3-5/8	3-1/8	96.1
15.6	16.0	16.35	14.62	16010B	1	A3	F	2-1/16	3-5/8	3-1/8	99.8
18.0	18.4	18.75	16.75	18410B	1	A3	F	2-1/16	3-5/8	3-1/8	125.9
19.6	20.0	20.35	18.56	20010B	1	A3	F	2-1/16	3-5/8	3-1/8	126.6
24.6	25.0	25.35	23.44	25010B	1	A3	F	2-1/16	3-5/8	3-1/8	165.4
29.6	30.0	30.35	28.38	30010B	1	A3	F	2-1/16	3-5/8	3-1/8	220.0
37.6	38.0	38.35	36.38	38010B	5/16	A3	J	1-9/16	4-1/2	2-15/16	306.1

* "E" Dimension varies according to shaft tolerance.

Weights for all Sure-Grip bushed items are approximate and include the bushing.

P.D. for "A" Belts = DD + .25

P.D. for "B" Belts = DD + .413

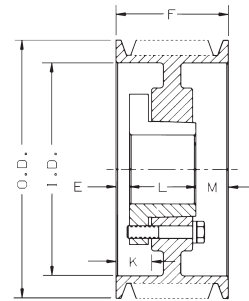
Sure-Grip Bushing dimensions — see section A1

These sheaves are designed to carry the loads of all belts shown in this catalog and other similarly rated V-Belts. For special higher rated V-Belts, consult Wood's Application Engineering Department for recommendations.

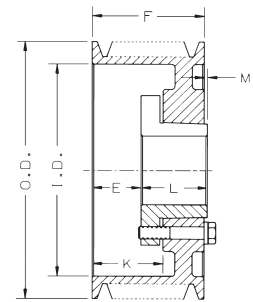
The Classical Sheaves listed below are all stock sizes. The dimensions given are with the Sure-Grip bushing in place. The figure following the letter in the "Type" column indicates the sheave construction: 1—Solid; 2—Web, 3—Arms.

DIMENSIONS (In Inches)

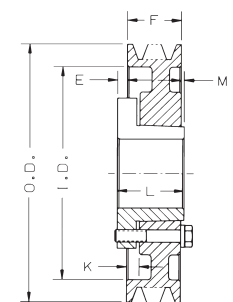
Datum Dia.	O.D. ♦	I.D.	Product No.	1 GROOVE							Product No.	2 GROOVE						
				F = 1-3/8								F = 2-3/8						
				E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
5.6	6.0	3.75	...	...	...	...	...	...	...	562C	3/16	A1	SD	13/16	1-13/16	3/8	9.6	
7.0	7.4	5.25	701C	9/16	C1	SF	1/8	2	1/16	12.6	702C	1/8	A1	SF	13/16	2	1/4	15.4
7.5	7.9	5.75	751C	9/16	C1	SF	1/8	2	1/16	14.4	752C	1/8	A1	SF	13/16	2	1/4	17.4
8.0	8.4	6.25	801C	9/16	C1	SF	1/8	2	1/16	16.6	802C	1/8	A1	SF	13/16	2	1/4	19.3
8.5	8.9	6.75	851C	9/16	C2	SF	1/8	2	1/16	15.1	852C	1/8	A1	SF	13/16	2	1/4	21.6
9.0	9.4	7.25	901C	9/16	C2	SF	1/8	2	1/16	16.7	902C	1/8	A2	SF	13/16	2	1/4	21.2
9.5	9.9	7.68	951C	9/16	C2	SF	1/8	2	1/16	18.1	952C	1/8	A2	SF	13/16	2	1/4	20.7
10.0	10.4	8.25	1001C	9/16	C2	SF	1/8	2	1/16	19.1	1002C	1/8	A2	SF	13/16	2	1/4	24.4
10.5	10.9	8.75	1051C	9/16	C2	SF	1/8	2	1/16	20.4	1052C	1/8	A3	SF	13/16	2	1/4	26.2
11.0	11.4	9.25	1101C	9/16	C3	SF	1/8	2	1/16	18.4	1102C	1/8	A2	SF	13/16	2	1/4	22.5
12.0	12.4	10.25	1201C	9/16	C3	SF	1/8	2	1/16	19.9	1202C	1/8	D3	SF	9/16	2	1/2	24.7
13.0	13.4	11.25	1301C	9/16	C3	SF	1/8	2	1/16	21.5	1302C	1/8	D3	SF	9/16	2	1/2	26.9
14.0	14.4	12.25	1401C	9/16	C3	SF	1/8	2	1/16	23.3	1402C	1/8	D3	SF	9/16	2	1/2	28.9
16.0	16.4	14.12	1601C	9/16	C3	SF	1/8	2	1/16	26.5	1602C	1/8	D3	SF	9/16	2	1/2	35.2
18.0	18.4	16.06	1801C	9/16	C3	SF	1/8	2	1/16	32.5	1802C	1/8	D3	SF	9/16	2	1/2	45.2
20.0	20.4	18.06	2001C	9/16	C3	SF	1/8	2	1/16	34.8	2002C	1/8	D3	SF	9/16	2	1/2	45.1
24.0	24.4	22.18	2401C	9/16	C3	SF	1/8	2	1/16	44.2	2402C	1/8	D3	SF	9/16	2	1/2	60.6
27.0	27.4	25.06	...	...	...	...	...	...	...	...	2702C	3/4	C3	F	5/16	3-5/8	1/2	89.8
30.0	30.4	28.18	...	...	...	...	...	...	...	...	3002C	3/4	C3	F	5/16	3-5/8	1/2	114.8



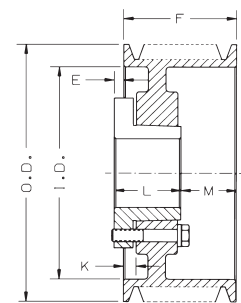
Type A



Type B



Type C



Type D

Datum Dia.	O.D. ♦	I.D.	Product No.	3 GROOVE							Product No.	4 GROOVE						
				F = 3-3/8								F = 4-3/8						
				E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
5.0	5.4	3.25	503C	7/16	A1	SD	1-1/16	1-13/16	1-1/8	9.7	504C	15/16	A1	SD	1-9/16	1-13/16	1-5/8	11.3
5.6	6.0	3.75	563C	11/16	A1	SD	1-5/16	1-13/16	7/8	12.2	564C	15/16	A1	SD	1-9/16	1-13/16	1-5/8	13.9
6.0	6.6	4.68	603C	5/8	A1	SF	1-5/16	2	3/4	12.4	604C	7/8	A1	SF	1-9/16	2	1-1/2	13.9
7.0	7.4	5.25	703C	5/8	A1	SF	1-5/16	2	3/4	18.2	704C	7/8	A1	SF	1-9/16	2	1-1/2	20.3
7.5	7.9	5.75	753C	5/8	A1	SF	1-5/16	2	3/4	20.5	754C	7/8	A1	SF	1-9/16	2	1-1/2	23.5
8.0	8.4	6.25	803C	27/32	B1	E	1-3/4	2-5/8	3/32	27.6	804C	1-3/32	A1	E	2	2-5/8	21/32	30.9
8.5	8.9	6.75	853C	27/32	B1	E	1-3/4	2-5/8	3/32	30.6	854C	1-3/32	A1	E	2	2-5/8	21/32	34.2
9.0	9.4	7.25	903C	27/32	B1	E	1-3/4	2-5/8	3/32	33.8	904C	1-3/32	A1	E	2	2-5/8	21/32	37.6
9.5	9.9	7.68	953C	27/32	B1	E	1-3/4	2-5/8	3/32	37.5	954C	1-3/32	A2	E	2	2-5/8	21/32	39.8
10.0	10.4	8.25	1003C	27/32	B1	E	1-3/4	2-5/8	3/32	40.7	1004C	1-3/32	A2	E	2	2-5/8	21/32	45.8
10.5	10.9	8.75	1053C	27/32	B2	E	1-3/4	2-5/8	3/32	38.3	1054C	1-3/32	A2	E	2	2-5/8	21/32	42.8
11.0	11.4	9.25	1103C	27/32	B2	E	1-3/4	2-5/8	3/32	40.5	1104C	1-3/32	A2	E	2	2-5/8	21/32	45.3
12.0	12.4	10.25	1203C	27/32	B2	E	1-3/4	2-5/8	3/32	45.3	1204C	1-3/32	A2	E	2	2-5/8	21/32	50.5
13.0	13.4	11.25	1303C	27/32	B2	E	1-3/4	2-5/8	3/32	49.3	1304C	1-3/32	A2	E	2	2-5/8	21/32	56.3
14.0	14.4	12.25	1403C	27/32	B2	E	1-3/4	2-5/8	3/32	48.6	1404C	1-3/32	A3	E	2	2-5/8	21/32	57.6
16.0	16.4	14.12	1603C	27/32	B3	E	1-3/4	2-5/8	3/32	58.0	1604C	1-3/32	A3	E	2	2-5/8	21/32	67.1
18.0	18.4	16.06	1803C	27/32	B3	E	1-3/4	2-5/8	3/32	72.6	1804C	1-3/32	A3	E	2	2-5/8	21/32	82.7
20.0	20.4	18.06	2003C	3/32	A3	E	1	2-5/8	21/32	75.8	2004C	19/32	A3	E	1-1/2	2-5/8	1-5/32	90.5
24.0	24.4	22.06	2403C	3/32	A3	E	1	2-5/8	21/32	85.6	2404C	1/4	A3	F	1-5/16	3-5/8	1/2	110.8
27.0	27.4	25.06	2703C	1/4	C3	F	13/16	3-5/8	0	121.0	2704C	1/4	A3	F	1-5/16	3-5/8	1/2	138.0
30.0	30.4	28.18	3003C	1/4	C3	F	13/16	3-5/8	0	129.1	3004C	1/4	A3	F	1-5/16	3-5/8	1/2	150.1
36.0	36.4	34.12	3603C	1/4	C3	F	13/16	3-5/8	0	177.1	3604C	1/4	A3	F	1-5/16	3-5/8	1/2	211.1
44.0	44.4	41.88	4403C	1/4	C3	F	13/16	3-5/8	0	260.1	4404C	5/16	B3	J	1-9/16	4-1/2	7/16	296.5
50.0	50.4	48.00	5003C	1/4	C3	F	13/16	3-5/8	0	319.1	5004C	5/16	B3	J	1-9/16	4-1/2	7/16	360.5

* "E" Dimension varies according to shaft tolerance.

Weights for all Sure-Grip bushed items are approximate and include the bushing.

♦ P.D. is same as O.D.

Sure-Grip Bushing dimensions — see section A1

STOCK CLASSICAL (CONVENTIONAL) SHEAVES

C

TB Wood's Incorporated

An Altra Industrial Motion Company

DIMENSIONS (In Inches)

Datum Dia.	O.D. ♦	I.D.	Product No.	5 GROOVE						Product No.	6 GROOVE							
				F = 5-3/8							F = 6-3/8							
				E *	Type	Bush.	K	L	M		Wt.	E *	Type	Bush.	K	L	M	Wt.
6.0	6.6	4.68	605C	1-5/16	A1	SF	1-15/16	2	2-1/16	15.5	606C	1-5/16	A1	SF	1-15/16	2	3-1/16	17.0
7.0	7.4	5.25	705C	1-1/4	A1	SF	1-15/16	2	2-1/8	23.8	706C	1-1/4	A1	SF	1-15/16	2	3-1/8	26.6
7.5	7.9	5.75	755C	1-1/4	A1	SF	1-15/16	2	2-1/8	26.6	756C	1-1/4	A1	SF	1-15/16	2	3-1/8	29.6
8.0	8.4	6.25	805C	1-15/32	A1	E	2-3/8	2-5/8	1-9/32	36.0	806C	1-15/32	A1	E	2-1/8	2-3/8	2-9/32	37.5
8.5	8.9	6.75	855C	1-15/32	A1	E	2-3/8	2-5/8	1-9/32	37.7	856C	1-15/32	A1	E	2-1/8	2-3/8	2-9/32	41.3
9.0	9.4	7.25	905C	1-15/32	A1	E	2-3/8	2-5/8	1-9/32	41.4	906C	1-3/8	A1	F	2-7/16	3-5/8	1-3/8	53.4
9.5	9.9	7.68	955C	1-15/32	A1	E	2-3/8	2-5/8	1-9/32	46.0	956C	1-3/8	A1	F	2-7/16	3-5/8	1-3/8	59.5
10.0	10.4	8.24	1005C	1-15/32	A1	E	2-3/8	2-5/8	1-9/32	49.3	1006C	1-3/8	A1	F	2-7/16	3-5/8	1-3/8	66.1
10.5	10.9	8.75	1055C	1-15/32	A2	E	2-3/8	2-5/8	1-9/32	47.8	1056C	1-3/8	A1	F	2-7/16	3-5/8	1-3/8	70.4
11.0	11.4	9.25	1105C	1-15/32	A2	E	2-3/8	2-5/8	1-9/32	50.0	1106C	1-3/8	A1	F	2-7/16	3-5/8	1-3/8	76.6
12.0	12.4	10.25	1205C	1-15/32	A2	E	2-3/8	2-5/8	1-9/32	55.7	1206C	1-3/8	A2	F	2-7/16	3-5/8	1-3/8	72.9
13.0	13.4	11.25	1305C	1-15/32	A2	E	2-3/8	2-5/8	1-9/32	62.0	1306C	1-3/8	A2	F	2-7/16	3-5/8	1-3/8	80.4
14.0	14.4	12.25	1405C	1-15/32	A3	E	2-3/8	2-5/8	1-9/32	64.1	1406C	1-3/8	A3	F	2-7/16	3-5/8	1-3/8	83.4
16.0	16.4	14.12	1605C	1-15/32	A3	E	2-3/8	2-5/8	1-9/32	78.1	1606C	1-3/8	A3	F	2-7/16	3-5/8	1-3/8	98.1
18.0	18.4	16.06	1805C	1-15/32	A3	E	2-3/8	2-5/8	1-9/32	92.9	1806C	1-3/8	A3	F	2-7/16	3-5/8	1-3/8	108.7
20.0	20.4	18.12	2005C	1/4	A3	F	1-5/16	3-5/8	1-1/2	109.5	2006C	7/8	A3	F	1-15/16	3-5/8	1-7/8	120.2
24.0	24.4	22.06	2405C	1/4	A3	F	1-5/16	3-5/8	1-1/2	141.0	2406C	7/8	A3	F	1-15/16	3-5/8	1-7/8	132.5
27.0	27.4	25.06	2705C	1/4	A3	F	1-5/16	3-5/8	1-1/2	159.0	2706C	5/16	A3	J	1-9/16	4-1/2	1-9/16	190.0
30.0	30.4	28.18	3005C	1/4	A3	F	1-5/16	3-5/8	1-1/2	171.2	3006C	5/16	A3	J	1-9/16	4-1/2	1-9/16	214.5
36.0	36.4	34.12	3605C	5/16	A3	J	1-9/16	4-1/2	9/16	236.3	3606C	5/16	A3	J	1-9/16	4-1/2	1-9/16	280.5
44.0	44.4	41.88	4405C	5/16	A3	J	1-9/16	4-1/2	9/16	309.2	4406C	5/16	A3	J	1-9/16	4-1/2	1-9/16	347.5
50.0	50.4	48.00	5005C	5/16	A3	J	1-9/16	4-1/2	9/16	381.8	5006C	15/32	B3	M	1-15/16	6-3/4	27/32	485.0

Datum Dia.	O.D. ♦	I.D.	Product No.	7 GROOVE						Product No.	8 GROOVE							
				F = 7-3/8							F = 8-3/8							
				E *	Type	Bush.	K	L	M		Wt.	E *	Type	Bush.	K	L	M	Wt.
7.0	7.4	5.25	707C	2-1/4	A1	SF	2-15/16	2	3-1/8	29.4	708C	2-7/16	A1	SF	3-1/8	2	3-15/16	32.2
8.0	8.4	6.25	807C	2-11/32	A1	E	3-1/4	2-5/8	2-13/32	40.9	808C	2-11/32	A1	E	3-1/4	2-5/8	3-13/32	44.2
8.5	8.9	6.75	857C	2-11/32	A1	E	3-1/4	2-5/8	2-13/32	44.8	858C	2-11/32	A1	E	3-1/4	2-5/8	3-13/32	48.4
9.0	9.4	7.25	907C	2-1/4	A1	F	3-5/16	3-5/8	1-1/2	57.1	908C	2-1/4	A1	F	3-5/16	3-5/8	2-1/2	60.9
9.5	9.9	7.68	957C	2-1/4	A1	F	3-5/16	3-5/8	1-1/2	63.7	958C	2-1/4	A1	F	3-5/16	3-5/8	2-1/2	68.0
10.0	10.4	8.24	1007C	2-1/4	A1	F	3-5/16	3-5/8	1-1/2	68.7	1008C	2-1/4	A1	F	3-5/16	3-5/8	2-1/2	75.1
10.5	10.9	8.75	1057C	2-1/4	A1	F	3-5/16	3-5/8	1-1/2	74.9	1058C	2-1/4	A1	F	3-5/16	3-5/8	2-1/2	79.4
11.0	11.4	9.25	1107C	2-1/4	A1	F	3-5/16	3-5/8	1-1/2	81.3	1108C	2-1/4	A1	F	3-5/16	3-5/8	2-1/2	86.0
12.0	12.4	10.25	1207C	2-1/4	A2	F	3-5/16	3-5/8	1-1/2	78.1	1208C	2-1/4	A2	F	3-5/16	3-5/8	2-1/2	83.3
13.0	13.4	11.25	1307C	2-1/4	A2	F	3-5/16	3-5/8	1-1/2	86.0	1308C	2-1/4	A2	F	3-5/16	3-5/8	2-1/2	91.7
14.0	14.4	12.25	1407C	2-1/4	A2	F	3-5/16	3-5/8	1-1/2	92.2	1408C	2-1/4	A2	F	3-5/16	3-5/8	2-1/2	100.8
16.0	16.4	14.12	1607C	2-1/4	A2	F	3-5/16	3-5/8	1-1/2	111.1	1608C	2-1/4	A2	F	3-5/16	3-5/8	2-1/2	119.0
18.0	18.4	16.06	1807C	2-1/4	A3	F	3-5/16	3-5/8	1-1/2	124.3	1808C	2-1/4	A3	F	3-5/16	3-5/8	2-1/2	133.7
20.0	20.4	18.12	2007C	5/16	A3	J	1-9/16	4-1/2	2-9/16	155.3	2008C	5/16	A3	J	1-9/16	4-1/2	3-9/16	162.0
24.0	24.4	22.06	2407C	5/16	A3	J	1-9/16	4-1/2	2-9/16	184.5	2408C	5/16	A3	J	1-9/16	4-1/2	3-9/16	189.4
27.0	27.4	25.06	2707C	5/16	A3	J	1-9/16	4-1/2	2-9/16	211.8	2708C	5/16	A3	J	1-9/16	4-1/2	3-9/16	242.3
30.0	30.4	28.18	3007C	5/16	A3	J	1-9/16	4-1/2	2-9/16	236.8	3008C	5/16	A3	J	1-9/16	4-1/2	3-9/16	256.0
36.0	36.4	34.12	3607C	5/16	A3	J	1-9/16	4-1/2	2-9/16	300.5	3608C	15/32	A3	M	1-15/16	6-3/4	1-5/32	406.0
44.0	44.4	41.97	4407C	15/32	A3	M	1-15/16	6-3/4	5/32	484.0	4408C	15/32	A3	M	1-15/16	6-3/4	1-5/32	510.0
50.0	50.4	48.00	5007C	15/32	A3	M	1-15/16	6-3/4	5/32	563.0	5008C	15/32	A3	M	1-15/16	6-3/4	1-5/32	565.0

* "E" Dimension varies according to shaft tolerance.

Weights for all Sure-Grip bushed items are approximate and include the bushing.

♦ P.D. is same as O.D.

Sure-Grip Bushing dimensions — see section A1

DIMENSIONS (In Inches)

Datum Dia.	O.D. ♦	I.D.	Product No.	9 GROOVE							Product No.	10 GROOVE						
				F = 9-3/8								F = 10-3/8						
				E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
8.0	8.4	6.25	809C	2-11/32	A1	E	3-1/4	2-5/8	4-13/32	47.5	8010C	2-11/32	A1	E	3-1/4	2-5/8	5-13/32	50.8
8.5	8.9	6.75	859C	2-11/32	A1	E	3-1/4	2-5/8	4-13/32	51.9	8510C	2-11/32	A1	E	3-1/4	2-5/8	5-13/32	55.5
9.0	9.4	7.25	909C	2-5/16	A1	J	3-9/16	4-1/2	2-9/16	71.0	9010C	2-5/16	A1	J	3-9/16	4-1/2	3-9/16	74.5
9.5	9.9	7.68	959C	2-5/16	A1	J	3-9/16	4-1/2	2-9/16	79.6	9510C	2-5/16	A1	J	3-9/16	4-1/2	3-9/16	83.8
10.0	10.4	8.24	1009C	2-5/16	A1	J	3-9/16	4-1/2	2-9/16	85.9	10010C	2-5/16	A1	J	3-9/16	4-1/2	3-9/16	90.1
10.5	10.9	8.75	1059C	2-5/16	A1	J	3-9/16	4-1/2	2-9/16	93.7	10510C	2-5/16	A1	J	3-9/16	4-1/2	3-9/16	98.2
11.0	11.4	9.25	1109C	2-5/16	A1	J	3-9/16	4-1/2	2-9/16	101.9	11010C	2-5/16	A1	J	3-9/16	4-1/2	3-9/16	106.6
12.0	12.4	10.25	1209C	2-5/16	A1	J	3-9/16	4-1/2	2-9/16	119.1	12010C	2-5/16	A1	J	3-9/16	4-1/2	3-9/16	124.4
13.0	13.4	11.25	1309C	2-5/16	A2	J	3-9/16	4-1/2	2-9/16	111.9	13010C	2-5/16	A2	J	3-9/16	4-1/2	3-9/16	117.6
14.0	14.4	12.25	1409C	2-5/16	A2	J	3-9/16	4-1/2	2-9/16	120.5	14010C	2-5/16	A2	J	3-9/16	4-1/2	3-9/16	126.8
16.0	16.4	14.12	1609C	2-5/16	A2	J	3-9/16	4-1/2	2-9/16	146.2	16010C	2-5/16	A2	J	3-9/16	4-1/2	3-9/16	157.3
18.0	18.4	16.06	1809C	2-5/16	A3	J	3-9/16	4-1/2	2-9/16	155.3	18010C	2-5/16	A3	J	3-9/16	4-1/2	3-9/16	164.7
20.0	20.4	18.12	2009C	1-13/16	A3	J	3-1/16	4-1/2	3-1/16	175.2	20010C	2-5/16	A3	J	3-9/16	4-1/2	3-9/16	185.7
24.0	24.4	22.06	2409C	1-13/16	A3	J	3-1/16	4-1/2	3-1/16	207.7	24010C	15/32	A3	M	1-15/16	6-3/4	3-5/32	297.8
27.0	27.4	25.06	2709C	1-13/16	A3	J	3-1/16	4-1/2	3-1/16	242.8	...	...	...	...	...	...	...	...
30.0	30.4	28.18	3009C	15/32	A3	M	1-15/16	6-3/4	2-5/32	351.5	30010C	15/32	A3	M	1-15/16	6-3/4	3-5/32	366.8
36.0	36.4	34.12	3609C	15/32	A3	M	1-15/16	6-3/4	2-5/32	425.0	36010C	15/32	A3	M	1-15/16	6-3/4	3-5/32	445.0
44.0	44.4	42.12	4409C	15/32	A3	M	1-15/16	6-3/4	2-5/32	535.0	44010C	15/32	A3	M	1-15/16	6-3/4	3-5/32	595.0
50.0	50.4	48.00	5009C	15/32	A3	M	1-15/16	6-3/4	2-5/32	623.0	50010C	15/32	A3	M	1-15/16	6-3/4	3-5/32	718.0

Datum Dia.	O.D. ♦	I.D.	Product No.	12 GROOVE						
				F = 12-3/8						
				E *	Type	Bush.	K	L	M	Wt.
9.0	9.4	7.25	9012C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	81.5
9.5	9.9	7.68	9512C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	92.2
10.0	10.4	8.25	10012C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	98.6
10.5	10.9	8.75	10512C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	107.2
11.0	11.4	9.25	11012C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	116.1
12.0	12.4	10.25	12012C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	134.8
13.0	13.4	11.25	13012C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	159.5
14.0	14.4	12.25	14012C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	143.3
16.0	16.4	14.12	16012C	2-13/16	A2	J	4-1/16	4-1/2	5-1/16	169.5
18.0	18.4	16.06	18012C	2-13/16	A3	J	4-1/16	4-1/2	5-1/16	188.0
20.0	20.4	18.06	20012C	15/32	A3	M	1-15/16	6-3/4	5-5/32	292.1
24.0	24.4	22.18	24012C	15/32	A3	M	1-15/16	6-3/4	5-5/32	360.9
30.0	30.4	28.12	30012C	15/32	A3	M	1-15/16	6-3/4	5-5/32	397.4
36.0	36.4	34.12	36012C	15/32	A3	M	1-15/16	6-3/4	5-5/32	483.0
44.0	44.4	42.12	44012C	15/32	A3	M	1-15/16	6-3/4	5-5/32	645.0
50.0	50.4	48.00	50012C	15/32	A3	M	1-15/16	6-3/4	5-5/32	779.0

* "E" Dimension varies according to shaft tolerance.

Weights for all Sure-Grip bushed items are approximate and include the bushing.

♦ P.D. is same as O.D.

Sure-Grip Bushing dimensions — see section A1

STOCK CLASSICAL (CONVENTIONAL) SHEAVES

D

TB Wood's Incorporated

An Altra Industrial Motion Company

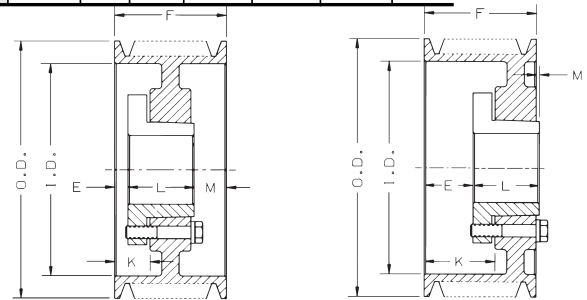
These Classical Sheaves are designed to carry the loads of all belts shown in this catalog and other similarly rated V-Belts. For special higher rated V-Belts, consult Wood's Application Engineering Department for recommendations.

The sheaves listed below are all stock sizes. The dimensions given are with the Sure-Grip bushing in place. The figure following the letter in the "Type" column indicates the sheave construction: 1-Solid; 2-Web, 3-Arms.

DIMENSIONS (In Inches)

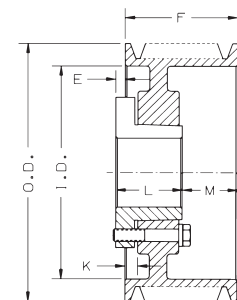
Datum Dia.	O.D. ♦	I.D.	Product No.	3 GROOVE							Product No.	4 GROOVE						
				F = 4-5/8								F = 6-1/16						
				E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
12.0	12.6	9.75	1203D	7/16	A2	F	1-1/2	3-5/8	9/16	69.6	1204D	1-1/4	A2	F	2-5/16	3-5/8	1-3/16	79.5
13.0	13.6	10.75	1303D	7/16	A2	F	1-1/2	3-5/8	9/16	73.4	1304D	1-1/4	A2	F	2-5/16	3-5/8	1-3/16	85.2
13.5	14.1	11.25	1353D	7/16	A2	F	1-1/2	3-5/8	9/16	76.6	1354D	1-1/4	A2	F	2-5/16	3-5/8	1-3/16	89.1
14.0	14.6	11.75	1403D	7/16	A2	F	1-1/2	3-5/8	9/16	79.8	1404D	1-1/4	A2	F	2-5/16	3-5/8	1-3/16	93.1
14.5	15.1	12.25	1453D	7/16	A2	F	1-1/2	3-5/8	9/16	83.2	1454D	1-1/4	A2	F	2-5/16	3-5/8	1-3/16	97.2
15.0	15.6	12.75	1503D	7/16	A2	F	1-1/2	3-5/8	9/16	89.3	1504D	1-1/4	A2	F	2-5/16	3-5/8	1-3/16	101.3
15.5	16.1	13.25	1553D	7/16	A2	F	1-1/2	3-5/8	9/16	90.7	1554D	1-1/4	A2	F	2-5/16	3-5/8	1-3/16	103.2
16.0	16.6	13.75	1603D	7/16	A2	F	1-1/2	3-5/8	9/16	94.6	1604D	1-1/4	A2	F	2-5/16	3-5/8	1-3/16	107.5
17.0	17.6	14.75	...	...	...	...	...	...	...	...	1704D	1-5/16	A2	J	2-9/16	4-1/2	1/4	144.9
18.0	18.6	15.62	1803D	1/16	D3	J	1-3/16	4-1/2	3/16	124.9	1804D	1-5/16	A2	J	2-9/16	4-1/2	1/4	144.9
20.0	20.6	17.50	...	...	...	...	...	...	...	...	2004D	5/16	A3	J	1-9/16	4-1/2	1-1/4	151.3
22.0	22.6	19.44	2203D	1/16	D3	J	1-3/16	4-1/2	3/16	139.5	2204D	5/16	A3	J	1-9/16	4-1/2	1-1/4	174.5
24.0	24.6	21.44	2403D	1/16	D3	J	1-3/16	4-1/2	3/16	153.5	2404D	5/16	A3	J	1-9/16	4-1/2	1-1/4	188.5
27.0	27.6	24.25	2703D	1/16	D3	J	1-3/16	4-1/2	3/16	179.5	2704D	5/16	A3	J	1-9/16	4-1/2	1-1/4	209.5
33.0	33.6	30.18	3303D	1/16	D3	J	1-3/16	4-1/2	3/16	226.5	3304D	15/32	B3	M	1-15/16	6-3/8	1-5/32	341.0
40.0	40.6	37.18	4003D	1/16	D3	J	1-3/16	4-1/2	3/16	272.5	4004D	15/32	B3	M	1-15/16	6-3/4	1-5/32	391.0

Datum Dia.	O.D. ♦	I.D.	Product No.	5 GROOVE						
				F = 7-1/2						
				E *	Type	Bush.	K	L	M	Wt.
12.0	12.6	9.75	1205D	2	A1	F	3-1/16	3-5/8	1-7/8	100.1
13.0	13.6	10.75	1305D	2	A2	F	3-1/16	3-5/8	1-7/8	95.5
13.5	14.1	11.25	1355D	2	A2	F	3-1/16	3-5/8	1-7/8	99.8
14.0	14.6	11.75	1405D	2	A2	F	3-1/16	3-5/8	1-7/8	106.8
14.5	15.1	12.25	1455D	2	A2	F	3-1/16	3-5/8	1-7/8	111.2
15.0	15.6	12.75	1505D	2	A2	F	3-1/16	3-5/8	1-7/8	116.1
15.5	16.1	13.25	1555D	2	A2	F	3-1/16	3-5/8	1-7/8	118.4
16.0	16.6	13.75	1605D	2	A2	F	3-1/16	3-5/8	1-7/8	123.5
17.0	17.6	14.75	1705D	2-1/16	A2	J	3-5/16	4-1/2	15/16	144.1
18.0	18.6	15.62	1805D	2-1/16	A2	J	3-5/16	4-1/2	15/16	160.9
20.0	20.6	17.50	2005D	5/16	A3	J	1-9/16	4-1/2	2-11/16	170.5
22.0	22.6	19.44	2205D	5/16	A3	J	1-9/16	4-1/2	2-11/16	191.5
24.0	24.6	21.44	2405D	5/16	A3	J	1-9/16	4-1/2	2-11/16	210.5
27.0	27.6	24.38	2705D	15/32	A3	M	1-15/16	6-3/4	9/32	320.0
33.0	33.6	30.18	3305D	15/32	A3	M	1-15/16	6-3/4	9/32	373.0
40.0	40.6	37.18	4005D	15/32	A3	M	1-15/16	6-3/4	9/32	469.0
48.0	48.6	45.06	4805D	15/32	A3	M	1-15/16	6-3/4	9/32	591.0
58.0	58.6	55.06	5805D	15/32	A3	M	1-15/16	6-3/4	9/32	715.0



Type A

Type B



Type D

* "E" Dimension varies according to shaft tolerance.

Weights for all Sure-Grip bushed items are approximate and include the bushing.

♦ P.D. is same as O.D.

Sure-Grip Bushing dimensions — see section A1

DIMENSIONS (In Inches)

Datum Dia.	O.D. ♦	I.D.	Product No.	6 GROOVE							Product No.	8 GROOVE						
				F = 8-15/16								F = 11-13/16						
				E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
12.0	12.6	9.75	1206D	2-1/16	A1	J	3-5/16	4-1/2	2-3/8	121.9	1208D	2-5/16	A1	J	3-9/16	4-1/2	5	140.5
13.0	13.6	10.75	1306D	2-1/16	A2	J	3-5/16	4-1/2	2-3/8	120.3	1308D	2-5/16	A1	J	3-9/16	4-1/2	5	163.5
13.5	14.1	11.25	1356D	2-1/16	A2	J	3-5/16	4-1/2	2-3/8	125.8	1358D	2-5/16	A1	J	3-9/16	4-1/2	5	176.5
14.0	14.6	11.75	1406D	2-1/16	A2	J	3-5/16	4-1/2	2-3/8	131.4	1408D	2-5/16	A2	J	3-9/16	4-1/2	5	157.5
14.5	15.1	12.25	1456D	2-1/16	A2	J	3-5/16	4-1/2	2-3/8	137.1	1458D	2-5/16	A2	J	3-9/16	4-1/2	5	167.5
15.0	15.6	12.75	1506D	2-1/16	A2	J	3-5/16	4-1/2	2-3/8	142.9	1508D	2-5/16	A2	J	3-9/16	4-1/2	5	170.5
15.5	16.1	13.25	1556D	2-1/16	A2	J	3-5/16	4-1/2	2-3/8	148.9	1558D	2-5/16	A2	J	3-9/16	4-1/2	5	175.2
16.0	16.6	13.75	1606D	2-1/16	A2	J	3-5/16	4-1/2	2-3/8	155.0	1608D	2-5/16	A2	J	3-9/16	4-1/2	5	182.3
17.0	17.6	14.75	1706D	2-1/16	A2	J	3-5/16	4-1/2	2-3/8	161.3	1708D	2-5/16	A2	J	3-9/16	4-1/2	5	192.3
18.0	18.6	15.62	1806D	2-1/16	A2	J	3-5/16	4-1/2	2-3/8	180.9	1808D	2-15/32	A2	M	3-15/16	6-3/4	2-19/32	276.7
20.0	20.6	17.50	2006D	2-1/16	A3	J	3-5/16	4-1/2	2-3/8	189.6	2008D	2-15/32	A2	M	3-15/16	6-3/4	2-19/32	306.0
22.0	22.6	19.44	2206D	15/32	A3	M	1-15/16	6-3/4	1-23/32	281.0	2208D	15/32	A3	M	1-15/16	6-3/4	4-19/32	342.0
24.0	24.6	21.44	2406D	15/32	A3	M	1-15/16	6-3/4	1-23/32	306.0	...	...	...	...	...	...	...	...
27.0	27.6	24.38	2706D	15/32	A3	M	1-15/16	6-3/4	1-23/32	346.0	2708D	15/32	A3	M	1-15/16	6-3/4	4-19/32	406.0
33.0	33.6	30.18	3306D	15/32	A3	M	1-15/16	6-3/4	1-23/32	419.0	3308D	15/32	A3	M	1-15/16	6-3/4	4-19/32	488.0
40.0	40.6	37.18	4006D	15/32	A3	M	1-15/16	6-3/4	1-23/32	510.0	4008D	9/16	A3	N	2-1/4	8-1/8	3-1/8	657.0
48.0	48.6	45.06	4806D	15/32	A3	M	1-15/16	6-3/4	1-23/32	667.0	4808D	9/16	A3	N	2-1/4	8-1/8	3-1/8	820.0
58.0	58.6	55.06	5806D	9/16	A3	N	2-1/4	8-1/8	1/4	889.0	5808D	9/16	A3	N	2-1/4	8-1/8	3-1/8	1088.0

Datum Dia.	O.D. ♦	I.D.	Product No.	10 GROOVE							Product No.	12 GROOVE						
				F = 14-11/16								F = 17-9/16						
				E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
12.0	12.6	9.75	12010D	2-15/32	A1	M	3-15/16	6-3/4	5-15/32	197.0	12012D	3-15/32	A1	M	4-15/16	6-3/4	7-11/32	210.9
13.0	13.6	10.75	13010D	2-15/32	A1	M	3-15/16	6-3/4	5-15/32	223.8	13012D	3-15/32	A1	M	4-15/16	6-3/4	7-11/32	244.3
13.5	14.1	11.25	13510D	2-15/32	A1	M	3-15/16	6-3/4	5-15/32	240.1	13512D	3-15/32	A1	M	4-15/16	6-3/4	7-11/32	261.4
14.0	14.6	11.69	14010D	2-15/32	A1	M	3-15/16	6-3/4	5-15/32	263.0	14012D	3-15/32	A1	M	4-15/16	6-3/4	7-11/32	279.1
14.5	15.1	12.25	14510D	2-15/32	A1	M	3-15/16	6-3/4	5-15/32	274.1	14512D	3-15/32	A1	M	4-15/16	6-3/4	7-11/32	297.2
15.0	15.6	12.75	15010D	2-15/32	A1	M	3-15/16	6-3/4	5-15/32	291.9	15012D	3-15/32	A1	M	4-15/16	6-3/4	7-11/32	315.9
15.5	16.1	13.25	15510D	2-15/32	A1	M	3-15/16	6-3/4	5-15/32	310.2	15512D	3-15/32	A1	M	4-15/16	6-3/4	7-11/32	335.1
16.0	16.6	13.69	16010D	2-15/32	A2	M	3-15/16	6-3/4	5-15/32	297.0	16012D	3-15/32	A2	M	4-15/16	6-3/4	7-11/32	313.6
17.0	17.6	14.69	17010D	2-15/32	A2	M	3-15/16	6-3/4	5-15/32	305.0	17012D	3-15/32	A2	M	4-15/16	6-3/4	7-11/32	323.3
18.0	18.6	15.62	18010D	2-15/32	A2	M	3-15/16	6-3/4	5-15/32	310.9	18012D	3-15/32	A2	M	4-15/16	6-3/4	7-11/32	351.1
20.0	20.6	17.50	20010D	2-15/32	A2	M	3-15/16	6-3/4	5-15/32	346.2	20012D	3-15/32	A2	M	4-15/16	6-3/4	7-11/32	386.3
22.0	22.6	19.44	22010D	1-15/32	A3	M	2-15/16	6-3/4	6-15/32	391.0	22012D	2-15/32	A3	M	3-15/16	6-3/4	8-11/32	426.0
27.0	27.6	24.38	27010D	1-15/32	A3	M	2-15/16	6-3/4	6-15/32	459.0	27012D	2-9/16	A3	N	4-1/4	8-1/8	6-7/8	572.0
33.0	33.6	30.18	33010D	1-9/16	A3	N	3-1/4	8-1/8	5	690.0	33012D	2-9/16	A3	N	4-1/4	8-1/8	6-7/8	705.0
40.0	40.6	37.18	40010D	1-9/16	A3	N	3-1/4	8-1/8	5	813.0	40012D	3/4	A3	P	2-5/8	9-3/8	7-7/16	957.0
48.0	48.6	45.06	48010D	3/4	A3	P	2-5/8	9-3/8	4-9/16	1132.0	48012D	3/4	A3	P	2-5/8	9-3/8	7-7/16	1287.0
58.0	58.6	55.06	58010D	3/4	A3	P	2-5/8	9-3/8	4-9/16	1301.0	58012D	3/4	A3	P	2-5/8	9-3/8	7-7/16	1493.0

* "E" Dimension varies according to shaft tolerance.

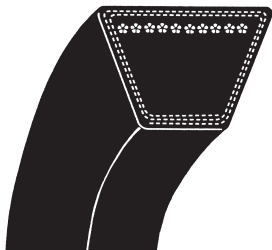
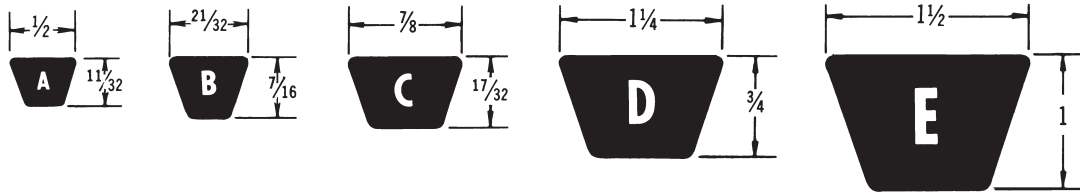
Weights for all Sure-Grip bushed items are approximate and include the bushing.

♦ P.D. is same as O.D.

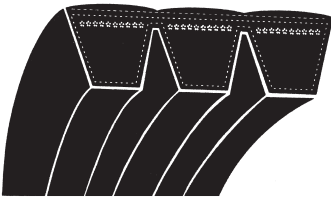
Sure-Grip Bushing dimensions — see section A1

CLASSICAL (CONVENTIONAL) V-BELT FEATURES

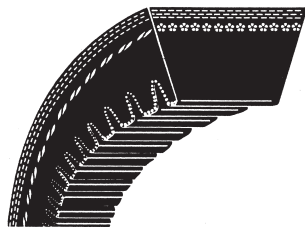
The Classical (also known as Conventional) V-belts include five cross sections . . . A, B, C, D, and E. These sections are a continuing development of the original V-belts of the 1930's. A, B, C, and D belts are available in wrapped or cog construction and all are static conducting, and oil and heat resistant. **Note: E section V-belts are available for replacement on existing drives, but are not recommended for new drive designs.**



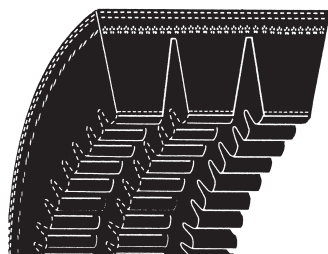
Classical V-belts . . . are the finest wrapped belts in industry and are designed to provide premium performance at standard prices. The belts have a specially constructed cover fabric for optimum flexibility and abrasion resistant characteristics. Belts perform their best when operating on sheave diameters no smaller than RMA/MPTA recommended: A = 3.0, B = 5.4, C = 9.0, D = 13.0, and E = 21.6.



Classical Banded V-belts . . . all the same features of the standard wrapped belt, but with the added benefit of multiple belts in a single belt. Should be considered for those problem drives where long center distance, vibration, pulsating or shock loads cause individual belts to whip, turn over, or jump out of sheave grooves. B and C belts available in 2 thru 5 ribs and D belts available in 3 thru 5 ribs.



Classical Cog V-belts . . . premium raw edge, cog construction. On average, 30% higher horsepower rating than standard wrapped belts. The molded cogs offer greater flexibility and better heat dissipation, especially on those punishing drives where bending stresses created by sub-minimum diameter sheaves dramatically reduce the life of standard belts.



Classical Cog Banded V-belts . . . same raw edge, cog construction as the individual belt. Can be used on those same problem applications as the standard, wrapped Classical belt. Available in BX, CX, and DX belts in 2 thru 5 ribs.

Warning: Do not mix raw edge cog and wrapped construction belts on the same drive.

AP Belts

Product No.	Datum Length	Weight
AP21	22.3	.2
AP22	23.3	.2
AP23	24.3	.2
AP24	25.3	.2
AP26	27.3	.2
AP27	28.3	.2
AP28	29.3	.2
AP29	30.3	.2
AP30	31.3	.2
AP31	32.3	.2
AP33	34.3	.2
AP34	35.3	.2
AP35	36.3	.2
AP36	37.3	.2
AP37	38.3	.2
AP38	39.3	.2
AP39	40.3	.3
AP40	41.3	.3
AP41	42.3	.3
AP42	43.3	.3
AP43	44.3	.3
AP44	45.3	.3
AP45	46.3	.3
AP46	47.3	.3
AP47	48.3	.3
AP48	49.3	.3
AP49	50.3	.3
AP50	51.3	.3
AP51	52.3	.3
AP52	53.3	.3

Product No.	Datum Length	Weight
AP53	54.3	.3
AP54	55.3	.4
AP55	56.3	.4
AP56	57.3	.4
AP57	58.3	.4
AP58	59.3	.4
AP59	60.3	.4
AP60	61.3	.4
AP61	62.3	.4
AP62	63.3	.4
AP63	64.3	.4
AP64	65.3	.4
AP65	66.3	.4
AP66	67.3	.5
AP67	68.3	.5
AP68	69.3	.5
AP69	70.3	.5
AP70	71.3	.5
AP71	72.3	.5
AP72	73.3	.5
AP73	74.3	.5
AP74	75.3	.5
AP75	76.3	.5
AP76	77.3	.5
AP77	78.3	.5
AP78	79.3	.6
AP79	80.3	.6
AP80	81.3	.6
AP81	82.3	.6
AP82	83.3	.6

Product No.	Datum Length	Weight
AP83	84.3	.6
AP84	85.3	.6
AP85	86.3	.6
AP86	87.3	.6
AP87	88.3	.6
AP88	89.3	.6
AP89	90.3	.6
AP90	91.3	.6
AP91	92.3	.6
AP92	93.3	.6
AP93	94.3	.6
AP94	95.3	.7
AP95	96.3	.7
AP96	97.3	.7
AP97	98.3	.7
AP98	99.3	.7
AP100	101.3	.7
AP103	104.3	.7
AP105	106.3	.7
AP110	111.3	.7
AP112	113.3	.8
AP120	121.3	.8
AP128	129.3	.9
AP136	137.3	1.0
AP144	145.3	1.0
AP158	159.3	1.1
AP173	174.3	1.2
AP180	181.3	1.3

OUTSIDE LENGTH "AP" BELTS EQUALS DATUM LENGTH +1".
 OUTSIDE LENGTH "BP" BELTS EQUALS DATUM LENGTH +1".

CLASSICAL (CONVENTIONAL) V-BELTS



An Altra Industrial Motion Company

BP Belts

Product No.	Datum Length	Weight	Product No.	Datum Length	Weight	Product No.	Datum Length	Weight	Product No.	Datum Length	Weight
BP32	33.8	.3	BP60	61.8	.6	BP85	86.8	.9	BP126	127.8	1.4
BP34	35.8	.4	BP61	62.8	.6	BP86	87.8	.9	BP128	129.8	1.4
BP35	36.8	.4	BP62	63.8	.6	BP87	88.8	.9	BP130	131.8	1.4
BP36	37.8	.4	BP63	64.8	.7	BP88	89.8	1.0	BP133	134.8	1.4
BP39	40.8	.4	BP64	65.8	.7	BP89	90.8	1.0	BP136	137.8	1.5
BP40	41.8	.4	BP65	66.8	.7	BP90	91.8	1.0	BP140	141.8	1.5
BP41	42.8	.4	BP66	67.8	.7	BP91	92.8	1.0	BP144	145.8	1.6
BP42	43.8	.4	BP67	68.8	.7	BP92	93.8	1.0	BP148	149.8	1.6
BP43	44.8	.4	BP68	69.8	.7	BP93	94.8	1.0	BP150	151.8	1.6
BP44	45.8	.5	BP69	70.8	.7	BP94	95.8	1.0	BP154	155.8	1.7
BP45	46.8	.5	BP70	71.8	.7	BP95	96.8	1.0	BP162	163.8	1.8
BP46	47.8	.5	BP71	72.8	.7	BP96	97.8	1.0	BP173	174.8	1.9
BP47	48.8	.5	BP72	73.8	.8	BP97	98.8	1.1	BP180	181.8	2.0
BP48	49.8	.5	BP73	74.8	.8	BP98	99.8	1.1	BP191	192.8	2.1
BP49	50.8	.5	BP74	75.8	.8	BP99	100.8	1.1	BP195	196.8	2.1
BP50	51.8	.5	BP75	76.8	.8	BP100	101.8	1.1	BP210	211.8	2.3
BP51	52.8	.5	BP76	77.8	.8	BP103	104.8	1.1	BP225	225.3	2.4
BP52	53.8	.5	BP77	78.8	.8	BP105	106.8	1.1	BP240	240.3	2.6
BP53	54.8	.6	BP78	79.8	.9	BP106	107.8	1.1	BP255	255.3	2.8
BP54	55.8	.6	BP79	80.8	.9	BP108	109.8	1.2	BP270	270.3	2.9
BP55	56.8	.6	BP80	81.8	.9	BP112	113.8	1.2	BP285	285.3	3.1
BP56	57.8	.6	BP81	82.8	.9	BP116	117.8	1.3	BP300	300.3	3.2
BP57	58.8	.6	BP82	83.8	.9	BP120	121.8	1.3	BP315	315.3	3.4
BP58	59.8	.6	BP83	84.8	.9	BP123	124.8	1.3	BP360	360.3	3.9
BP59	60.8	.6	BP84	85.8	.9	BP124	125.8	1.3			

CP Belts

Product No.	Datum Length	Weight	Product No.	Datum Length	Weight
CP51	53.9	1.0	CP158	160.9	2.9
CP55	57.9	1.1	CP162	164.9	3.0
CP60	62.9	1.2	CP173	175.9	3.2
CP68	70.9	1.4	CP180	182.9	3.3
CP72	74.9	1.4	CP195	197.9	3.5
CP75	77.9	1.4	CP210	212.9	3.8
CP78	80.9	1.5	CP225	225.9	4.0
CP81	83.9	1.5	CP240	240.9	4.3
CP85	87.9	1.6	CP255	255.9	4.6
CP90	92.9	1.7	CP270	270.9	4.9
CP96	98.9	1.8	CP285	285.9	5.1
CP100	102.9	1.9	CP300	300.9	5.4
CP101	103.9	1.9	CP315	315.9	5.7
CP105	107.9	1.9	CP330	330.9	6.0
CP109	111.9	2.0	CP345	345.9	6.2
CP111	113.9	2.0	CP360	360.9	6.8
CP112	114.9	2.1	CP390	390.9	7.1
CP115	117.9	2.1	CP420	420.9	7.6
CP120	122.9	2.2			
CP124	126.9	2.3			
CP128	130.9	2.4			
CP136	138.9	2.5			
CP144	146.9	2.7			
CP148	150.9	2.7			
CP150	152.9	2.8			

DP Belts

Product No.	Datum Length	Weight
DP105	108.3	4.3
DP120	123.3	4.4
DP128	131.3	4.7
DP144	147.3	5.3
DP158	161.3	5.8
DP162	165.3	6.0
DP173	176.3	6.3
DP180	183.3	6.5
DP195	198.3	7.1
DP210	213.3	7.6
DP225	225.8	8.1
DP240	240.8	8.6
DP255	255.8	9.2
DP270	270.8	9.7
DP285	285.8	10.2
DP300	300.8	10.7
DP315	315.8	11.3
DP330	330.8	11.8
DP345	345.8	12.4
DP360	360.8	12.9
DP390	390.8	14.0
DP420	420.8	15.0
DP450	450.8	16.2
DP480	480.8	16.7
DP540	540.8	17.8
DP600	600.8	22.2
DP660	660.8	24.4

EP Belts

Product No.	Datum Length	Weight
EP144	148.5	8.1
EP180	184.5	10.1
EP195	199.5	10.9
EP210	214.5	11.7
EP225	229.5	12.4
EP240	241.5	13.2
EP270	271.0	14.8
EP300	301.0	16.4
EP330	331.0	18.1
EP360	361.0	19.7
EP390	391.0	21.4
EP420	421.0	23.0
EP480	481.0	26.3
EP540	541.0	29.6
EP600	601.0	32.8
EP660	661.0	36.1

OUTSIDE LENGTH "CP" BELTS EQUALS DATUM LENGTH +2".
OUTSIDE LENGTH "DP" BELTS EQUALS DATUM LENGTH +2".

BP Banded Belts

Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.
2RBP35	36.8	1.0	2RBP62	63.8	1.7	2RBP82	83.8	2.2	2RBP128	129.8	3.5
3RBP35	36.8	1.5	3RBP62	63.8	2.6	3RBP82	83.8	3.4	3RBP128	129.8	5.2
2RBP38	39.8	1.1	4RBP62	63.8	3.4	4RBP82	83.8	4.5	4RBP128	129.8	6.9
3RBP38	39.8	1.6	5RBP62	63.8	4.3	5RBP82	83.8	5.6	5RBP128	129.8	8.7
2RBP40	41.8	1.1	2RBP63	64.8	1.7	2RBP83	84.8	2.3	2RBP133	134.8	3.6
3RBP40	41.8	1.7	3RBP63	64.8	2.6	3RBP83	84.8	3.4	3RBP133	134.8	5.4
2RBP41	42.8	1.1	4RBP63	64.8	3.5	4RBP83	84.8	4.5	4RBP133	134.8	7.2
3RBP41	42.8	1.7	5RBP63	64.8	4.3	5RBP83	84.8	5.7	5RBP133	134.8	9.0
2RBP42	43.8	1.2	2RBP64	65.8	1.8	2RBP85	86.8	2.3	2RBP136	137.8	3.7
3RBP42	43.8	1.9	3RBP64	65.8	2.6	3RBP85	86.8	3.5	3RBP136	137.8	5.5
2RBP43	44.8	1.2	4RBP64	65.8	3.5	4RBP85	86.8	4.6	4RBP136	137.8	7.4
3RBP43	44.8	1.8	5RBP64	65.8	4.4	5RBP85	86.8	5.8	5RBP136	137.8	9.2
2RBP44	45.8	1.2	2RBP65	66.8	1.8	2RBP87	88.8	2.4	2RBP144	145.8	3.9
3RBP44	45.8	1.8	3RBP65	66.8	2.7	3RBP87	88.8	3.6	3RBP144	145.8	5.9
2RBP46	47.8	1.3	4RBP65	66.8	3.6	4RBP87	88.8	4.7	4RBP144	145.8	7.8
3RBP46	47.8	1.9	5RBP65	66.8	4.5	5RBP87	88.8	5.9	5RBP144	145.8	9.8
4RBP46	47.8	2.5	2RBP66	67.8	1.8	2RBP88	89.8	2.4	2RBP148	149.8	4.0
5RBP46	47.8	3.2	3RBP66	67.8	2.7	3RBP88	89.8	3.6	3RBP148	149.8	6.0
2RBP48	49.8	1.3	4RBP66	67.8	3.6	4RBP88	89.8	4.8	4RBP148	149.8	8.0
3RBP48	49.8	2.0	5RBP66	67.8	4.5	5RBP88	89.8	6.0	5RBP148	149.8	10.0
4RBP48	49.8	2.7	2RBP67	68.8	1.8	2RBP90	91.8	2.5	2RBP158	159.8	4.3
5RBP48	49.8	3.3	3RBP67	68.8	2.8	3RBP90	91.8	3.7	3RBP158	159.8	6.4
2RBP49	50.8	1.4	4RBP67	68.8	3.7	4RBP90	91.8	4.9	4RBP158	159.8	8.6
3RBP49	50.8	2.0	5RBP67	68.8	4.6	5RBP90	91.8	6.1	5RBP158	159.8	10.7
4RBP49	50.8	2.7	2RBP68	69.8	1.9	2RBP93	94.8	2.5	2RBP162	163.8	4.4
5RBP49	50.8	3.4	3RBP68	69.8	2.8	3RBP93	94.8	3.8	3RBP162	163.8	6.6
2RBP50	51.8	1.4	4RBP68	69.8	3.7	4RBP93	94.8	5.1	4RBP162	163.8	8.8
3RBP50	51.8	2.1	5RBP68	69.8	4.7	5RBP93	94.8	6.3	5RBP162	163.8	11.0
4RBP50	51.8	2.8	2RBP70	71.8	1.9	2RBP95	96.8	2.6	2RBP173	174.8	4.7
5RBP50	51.8	3.5	3RBP70	71.8	2.9	3RBP95	96.8	3.9	3RBP173	174.8	7.0
2RBP51	52.8	1.4	4RBP70	71.8	3.8	4RBP95	96.8	5.2	4RBP173	174.8	9.4
3RBP51	52.8	2.1	5RBP70	71.8	4.8	5RBP95	96.8	6.5	5RBP173	174.8	11.7
4RBP51	52.8	2.8	2RBP71	72.8	1.9	2RBP96	97.8	2.6	2RBP180	181.8	4.9
5RBP51	52.8	3.5	3RBP71	72.8	2.9	3RBP96	97.8	3.9	3RBP180	181.8	7.3
2RBP52	53.8	1.4	4RBP71	72.8	3.9	4RBP96	97.8	5.2	4RBP180	181.8	9.7
3RBP52	53.8	2.2	5RBP71	72.8	4.9	5RBP96	97.8	6.5	5RBP180	181.8	12.2
4RBP52	53.8	2.9	2RBP72	73.8	2.0	2RBP97	98.8	2.6	2RBP195	196.8	5.3
5RBP52	53.8	3.6	3RBP72	73.8	3.0	3RBP97	98.8	4.0	3RBP195	196.8	7.9
2RBP53	54.8	1.5	4RBP72	73.8	3.9	4RBP97	98.8	5.3	4RBP195	196.8	10.5
3RBP53	54.8	2.2	5RBP72	73.8	4.9	5RBP97	98.8	6.6	5RBP195	196.8	13.2
4RBP53	54.8	2.9	2RBP73	74.8	2.0	2RBP99	100.8	2.7	2RBP210	211.8	5.7
5RBP53	54.8	3.7	3RBP73	74.8	3.0	3RBP99	100.8	4.0	3RBP210	211.8	8.5
2RBP54	55.8	1.5	4RBP73	74.8	4.0	4RBP99	100.8	5.4	4RBP210	211.8	11.3
3RBP54	55.8	2.2	5RBP73	74.8	5.0	5RBP99	100.8	6.7	5RBP210	211.8	14.2
4RBP54	55.8	3.0	2RBP74	75.8	2.0	2RBP100	101.8	2.7	2RBP225	225.3	6.0
5RBP54	55.8	3.7	3RBP74	75.8	3.0	3RBP100	101.8	4.1	3RBP225	225.3	9.0
2RBP55	56.8	1.5	4RBP74	75.8	4.1	4RBP100	101.8	5.4	4RBP225	225.3	12.1
3RBP55	56.8	2.3	5RBP74	75.8	5.1	5RBP100	101.8	6.8	5RBP225	225.3	15.1
4RBP55	56.8	3.0	2RBP75	76.8	2.1	2RBP103	104.8	2.8	2RBP240	240.3	6.4
5RBP55	56.8	3.8	3RBP75	76.8	3.1	3RBP103	104.8	4.2	3RBP240	240.3	9.7
2RBP56	57.8	1.5	4RBP75	76.8	4.1	4RBP103	104.8	5.6	4RBP240	240.3	12.9
3RBP56	57.8	2.3	5RBP75	76.8	5.1	5RBP103	104.8	7.0	5RBP240	240.3	16.1
4RBP56	57.8	3.1	2RBP77	78.8	2.1	2RBP105	106.8	2.9	2RBP255	255.3	6.8
5RBP56	57.8	3.9	3RBP77	78.8	3.2	3RBP105	106.8	4.3	3RBP255	255.3	10.3
2RBP57	58.8	1.6	4RBP77	78.8	4.2	4RBP105	106.8	5.7	4RBP255	255.3	13.7
3RBP57	58.8	2.4	5RBP77	78.8	5.3	5RBP105	106.8	7.1	5RBP255	255.3	17.1
4RBP57	58.8	3.1	2RBP78	79.8	2.1	2RBP108	109.8	2.9	2RBP270	270.3	7.2
5RBP57	58.8	3.9	3RBP78	79.8	3.2	3RBP108	109.8	4.4	3RBP270	270.3	10.9
2RBP58	59.8	1.6	4RBP78	79.8	4.3	4RBP108	109.8	5.9	4RBP270	270.3	14.5
3RBP58	59.8	2.4	5RBP78	79.8	5.3	5RBP108	109.8	7.3	5RBP270	270.3	18.1
4RBP58	59.8	3.2	2RBP79	80.8	2.2	2RBP112	113.8	3.0	2RBP285	285.3	7.6
5RBP58	59.8	4.0	3RBP79	80.8	3.2	3RBP112	113.8	4.6	3RBP285	285.3	11.5
2RBP59	60.8	1.6	4RBP79	80.8	4.3	4RBP112	113.8	6.1	4RBP285	285.3	15.3
3RBP59	60.8	2.4	5RBP79	80.8	5.4	5RBP112	113.8	7.6	5RBP285	285.3	19.1
4RBP59	60.8	3.2	2RBP80	81.8	2.2	2RBP120	121.8	3.3	2RBP300	300.3	8.0
5RBP59	60.8	4.1	3RBP80	81.8	3.3	3RBP120	121.8	4.9	3RBP300	300.3	12.1
2RBP60	61.8	1.7	4RBP80	81.8	4.4	4RBP120	121.8	6.5	4RBP300	300.3	16.1
3RBP60	61.8	2.5	5RBP80	81.8	5.5	5RBP120	121.8	8.2	5RBP300	300.3	20.1
4RBP60	61.8	3.3	2RBP81	82.8	2.2	2RBP124	125.8	3.4	2RBP315	315.3	8.4
5RBP60	61.8	4.1	3RBP81	82.8	3.3	3RBP124	125.8	5.1	3RBP315	315.3	12.7
2RBP61	62.8	1.7	4RBP81	82.8	4.4	4RBP124	125.8	6.7	4RBP315	315.3	16.9
3RBP61	62.8	2.5	5RBP81	82.8	5.5	5RBP124	125.8	8.4	5RBP315	315.3	21.1
4RBP61	62.8	3.4									
5RBP61	62.8	4.2									

CLASSICAL (CONVENTIONAL) BANDED V-BELTS



An Altra Industrial Motion Company

CP Banded Belts

Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.
2RCP51	53.9	2.4	2RCP99	101.9	4.5	2RCP144	146.9	6.5	2RCP270	270.9	12.0
3RCP51	53.9	3.6	3RCP99	101.9	6.8	3RCP144	146.9	9.8	3RCP270	270.9	18.0
2RCP55	57.9	2.6	4RCP99	101.9	9.0	4RCP144	146.9	13.0	4RCP270	270.9	24.0
3RCP55	57.9	3.8	5RCP99	101.9	11.3	5RCP144	146.9	16.3	5RCP270	270.9	30.0
2RCP60	62.9	2.8	2RCP100	102.9	4.6	2RCP158	160.9	7.1	2RCP285	285.9	12.7
3RCP60	62.9	4.2	3RCP100	102.9	6.8	3RCP158	160.9	10.7	3RCP285	285.9	19.0
2RCP68	70.9	3.1	4RCP100	102.9	9.1	4RCP158	160.9	14.3	4RCP285	285.9	25.4
3RCP68	70.9	4.7	5RCP100	102.9	11.4	5RCP158	160.9	17.8	5RCP285	285.9	31.7
4RCP68	70.9	6.3	2RCP105	107.9	4.8	2RCP162	164.9	7.3	2RCP300	300.9	13.3
5RCP68	70.9	7.8	3RCP105	107.9	7.2	3RCP162	164.9	11.0	3RCP300	300.9	20.0
2RCP71	73.9	3.3	4RCP105	107.9	9.5	4RCP162	164.9	14.6	4RCP300	300.9	26.7
3RCP71	73.9	4.9	5RCP105	107.9	11.9	5RCP162	164.9	18.3	5RCP300	300.9	33.4
4RCP71	73.9	6.5	2RCP108	110.9	4.9	2RCP173	175.9	7.8	2RCP315	315.9	14.0
5RCP71	73.9	8.2	3RCP108	110.9	7.4	3RCP173	175.9	11.7	3RCP315	315.9	21.0
2RCP75	77.9	3.4	4RCP108	110.9	9.8	4RCP173	175.9	15.6	4RCP315	315.9	28.0
3RCP75	77.9	5.2	5RCP108	110.9	12.3	5RCP173	175.9	19.5	5RCP315	315.9	35.0
4RCP75	77.9	6.9	2RCP109	111.9	5.0	2RCP180	182.9	8.1	2RCP330	330.9	14.7
5RCP75	77.9	8.6	3RCP109	111.9	7.4	3RCP180	182.9	12.2	3RCP330	330.9	22.0
2RCP81	83.9	3.7	4RCP109	111.9	9.9	4RCP180	182.9	16.2	4RCP330	330.9	29.4
3RCP81	83.9	5.6	5RCP109	111.9	12.4	5RCP180	182.9	20.3	5RCP330	330.9	36.7
4RCP81	83.9	7.4	2RCP112	114.9	5.1	2RCP195	197.9	8.8	2RCP345	345.9	15.3
5RCP81	83.9	9.3	3RCP112	114.9	7.6	3RCP195	197.9	13.2	3RCP345	345.9	23.0
2RCP85	87.9	3.9	4RCP112	114.9	10.2	4RCP195	197.9	17.5	4RCP345	345.9	30.7
3RCP85	87.9	5.8	5RCP112	114.9	12.7	5RCP195	197.9	21.9	5RCP345	345.9	38.4
4RCP85	87.9	7.8	2RCP120	122.9	5.4	2RCP210	212.9	9.4	2RCP360	360.9	16.0
5RCP85	87.9	9.7	3RCP120	122.9	8.2	3RCP210	212.9	14.2	3RCP360	360.9	24.0
2RCP90	92.9	4.1	4RCP120	122.9	10.9	4RCP210	212.9	18.9	4RCP360	360.9	32.0
3RCP90	92.9	6.2	5RCP120	122.9	13.6	5RCP210	212.9	23.6	5RCP360	360.9	40.0
4RCP90	92.9	8.2	2RCP124	126.9	5.6	2RCP225	225.9	10.0	2RCP390	390.9	17.3
5RCP90	92.9	10.3	3RCP124	126.9	8.4	3RCP225	225.9	15.0	3RCP390	390.9	26.0
2RCP96	98.9	4.4	4RCP124	126.9	11.2	4RCP225	225.9	20.0	4RCP390	390.9	34.7
3RCP96	98.9	6.6	5RCP124	126.9	14.0	5RCP225	225.9	25.0	5RCP390	390.9	43.4
4RCP96	98.9	8.7	2RCP128	130.9	5.8	2RCP240	240.9	10.7	2RCP420	420.9	18.7
5RCP96	98.9	10.9	3RCP128	130.9	8.7	3RCP240	240.9	16.0	3RCP420	420.9	28.0
2RCP97	99.9	4.4	4RCP128	130.9	11.6	4RCP240	240.9	21.4	4RCP420	420.9	37.4
3RCP97	99.9	6.6	5RCP128	130.9	14.5	5RCP240	240.9	26.7	5RCP420	420.9	46.7
4RCP97	99.9	8.8	2RCP136	138.9	6.1	2RCP255	255.9	11.3			
5RCP97	99.9	11.0	3RCP136	138.9	9.2	3RCP255	255.9	17.0			
			4RCP136	138.9	12.3	4RCP255	255.9	22.7			
			5RCP136	138.9	15.4	5RCP255	255.9	28.4			

DP Banded Belts

Product Descr.	Datum Length	Weight Lbs.	Product Descr.	Datum Length	Weight Lbs.	Product Descr.	Datum Length	Weight Lbs.	Product Descr.	Datum Length	Weight Lbs.
3RDP120	123.3	15.2	3RDP195	198.3	24.4	3RDP300	300.8	37.1	3RDP450	450.8	55.6
4RDP120	123.3	20.2	4RDP195	198.3	32.6	4RDP300	300.8	49.5	4RDP450	450.8	74.2
5RDP120	123.3	25.3	5RDP195	198.3	40.7	5RDP300	300.8	61.8	5RDP450	450.8	92.7
3RDP128	131.3	16.2	3RDP210	213.3	26.3	3RDP315	315.8	39.0	3RDP480	480.8	59.3
4RDP128	131.3	21.5	4RDP210	213.3	35.1	4RDP315	315.8	51.9	4RDP480	480.8	79.1
5RDP128	131.3	26.9	5RDP210	213.3	43.8	5RDP315	315.8	64.9	5RDP480	480.8	98.9
3RDP144	147.3	18.1	3RDP225	225.8	27.8	3RDP330	330.8	40.8	3RDP540	540.8	66.7
4RDP144	147.3	24.2	4RDP225	225.8	37.1	4RDP330	330.8	54.4	4RDP540	540.8	89.0
5RDP144	147.3	30.2	5RDP225	225.8	46.4	5RDP330	330.8	68.0	5RDP540	540.8	111.7
3RDP158	161.3	19.9	3RDP240	240.8	29.7	3RDP345	345.8	42.7	3RDP600	600.8	74.2
4RDP158	161.3	26.5	4RDP240	240.8	39.6	4RDP345	345.8	56.9	4RDP600	600.8	98.9
5RDP158	161.3	33.1	5RDP240	240.8	49.5	5RDP345	345.8	71.1	5RDP600	600.8	123.6
3RDP162	165.3	20.4	3RDP255	255.8	31.5	3RDP360	360.8	44.5	3RDP660	660.8	81.6
4RDP162	165.3	27.1	4RDP255	255.8	42.1	4RDP360	360.8	59.3	4RDP660	660.8	108.8
5RDP162	165.3	33.9	5RDP255	255.8	52.6	5RDP360	360.8	74.2	5RDP660	660.8	135.9
3RDP173	176.3	21.7	3RDP270	270.8	33.4	3RDP390	390.8	48.2			
4RDP173	176.3	29.0	4RDP270	270.8	44.5	4RDP390	390.8	64.3			
5RDP173	176.3	36.2	5RDP270	270.8	55.7	5RDP390	390.8	80.4			
3RDP180	183.3	22.6	3RDP285	285.8	35.2	3RDP420	420.8	51.9			
4RDP180	183.3	30.1	4RDP285	285.8	47.0	4RDP420	420.8	69.2			
5RDP180	183.3	37.6	5RDP285	285.8	58.7	5RDP420	420.8	86.5			

AX Belts

Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.
AX21	22.3	.16	AX67	68.3	.45
AX22	23.3	.16	*AX68	69.3	.45
AX23	24.3	.16	AX69	70.3	.46
AX24	25.3	.18	*AX70	71.3	.46
*AX26	27.3	.18	*AX71	72.3	.50
AX27	28.3	.18	AX72	73.3	.50
AX28	29.3	.18	AX73	74.3	.50
AX29	30.3	.20	AX74	75.3	.50
AX30	31.3	.20	*AX75	76.3	.50
*AX31	32.3	.20	AX76	77.3	.51
AX32	33.3	.20	AX77	78.3	.52
*AX33	34.3	.22	*AX78	79.3	.52
*AX34	35.3	.22	AX79	80.3	.53
*AX35	36.3	.22	*AX80	81.3	.53
*AX36	37.3	.24	AX81	82.3	.53
*AX37	38.3	.24	AX82	83.3	.54
*AX38	39.3	.24	AX83	84.3	.55
*AX39	40.3	.26	AX84	85.3	.55
AX40	41.3	.26	*AX85	86.3	.56
AX41	42.3	.26	AX86	87.3	.57
*AX42	43.3	.28	AX87	88.3	.58
*AX43	44.3	.28	AX88	89.3	.58
AX44	45.3	.28	AX89	90.3	.58
AX45	46.3	.30	*AX90	91.3	.59
*AX46	47.3	.30	AX91	92.3	.59
AX47	48.3	.30	AX92	93.3	.60
*AX48	49.3	.30	AX93	94.3	.61
AX49	50.3	.32	AX94	95.3	.62
AX50	51.3	.32	AX95	96.3	.63
*AX51	52.3	.32	*AX96	97.3	.63
AX52	53.3	.34	AX97	98.3	.64
*AX53	54.3	.34	AX98	99.3	.65
*AX54	55.3	.34	AX100	101.3	.65
*AX55	56.3	.36	AX103	104.3	.68
*AX56	57.3	.36	*AX105	106.3	.69
AX57	58.3	.36	*AX110	111.3	.73
AX58	59.3	.38	*AX112	113.3	.74
AX59	60.3	.38	*AX120	121.3	.79
*AX60	61.3	.38	*AX128	129.3	.83
AX61	62.3	.40	*AX136	137.3	.90
*AX62	63.3	.40	AX144	145.3	.95
AX63	64.3	.40	AX158	159.3	1.04
*AX64	65.3	.40	AX173	174.3	1.14
AX65	66.3	.42	AX180	181.3	1.19
*AX66	67.3	.44			

BX Belts

Product No.	Datum Length	Weight Lbs.
BX28	29.8	.28
BX32	33.8	.30
BX34	35.8	.32
*BX35	36.8	.34
BX36	37.8	.36
*BX38	39.8	.36
BX40	41.8	.38
BX41	42.8	.40
*BX42	43.8	.40
BX43	44.8	.42
BX44	45.8	.42
BX45	46.8	.44
*BX46	47.8	.44
BX47	48.8	.46
*BX48	49.8	.46
BX49	50.8	.48
*BX50	51.8	.48
*BX51	52.8	.48
*BX52	53.8	.50
*BX53	54.8	.50
*BX54	55.8	.52
*BX55	56.8	.52
*BX56	57.8	.54
BX57	58.8	.56
BX58	59.8	.56
*BX59	60.8	.56
*BX60	61.8	.56
*BX61	62.8	.58
*BX62	63.8	.58
*BX63	64.8	.59
*BX64	65.8	.60
*BX65	66.8	.61
*BX66	67.8	.62
*BX67	68.8	.63
*BX68	69.8	.64
BX69	70.8	.66
*BX70	71.8	.67
*BX71	72.8	.68
BX72	73.8	.68
BX73	74.8	.69
BX74	75.8	.70
*BX75	76.8	.70
BX76	77.8	.71
*BX77	78.8	.72
*BX78	79.8	.73

* Belt sizes utilized in computer selection program.
 Outside Length "AX" Belts equals Datum Length + 1".
 Outside Length "BX" Belts equals Datum Length + 1".

CLASSICAL COG V-BELTS



An Altra Industrial Motion Company

BX Belts, cont.

Product No.	Datum Length	Weight Lbs.
*BX79	80.8	.74
*BX80	81.8	.75
*BX81	82.8	.76
*BX82	83.8	.77
*BX83	84.8	.78
*BX84	85.8	.79
*BX85	86.8	.80
BX86	87.8	.82
BX87	88.8	.83
BX88	89.8	.85
BX89	90.8	.86
*BX90	91.8	.87
BX91	92.8	.87
BX92	93.8	.87
*BX93	94.8	.87
BX94	95.8	.88
*BX95	96.8	.89
*BX96	97.8	.90
*BX97	98.8	.91
BX98	99.8	.92
*BX99	100.8	.93
*BX100	101.8	.94
*BX103	104.8	.97
*BX105	106.8	.98
BX106	107.8	.99
BX108	109.8	1.01
*BX112	113.8	1.05
*BX113	114.8	1.06
BX115	116.8	1.08
*BX116	117.8	1.10
*BX120	121.8	1.12
BX123	124.8	1.14
*BX124	125.8	1.16
BX126	127.8	1.18
*BX128	129.8	1.20
*BX133	134.8	1.24
*BX136	137.8	1.27
BX140	141.8	1.30
*BX144	145.8	1.35
BX148	149.8	1.37
*BX150	151.8	1.40
BX154	155.8	1.44
*BX158	159.8	1.48
*BX162	163.8	1.51
*BX173	174.8	1.62
*BX180	181.8	1.68
BX191	192.8	1.90
*BX195	196.8	2.00
*BX210	211.8	2.10
BX225	225.3	2.30
*BX240	240.3	2.40
BX255	255.3	2.50
*BX270	270.3	2.70
BX300	300.3	3.00

CX Belts

Product No.	Datum Length	Weight Lbs.
•CX51	53.9	.91
CX55	57.9	.99
•CX60	62.9	1.07
•CX68	70.9	1.20
CX72	74.9	1.24
•CX75	77.9	1.29
CX78	80.9	1.35
•CX81	83.9	1.39
•CX85	87.9	1.46
•CX90	92.9	1.55
•CX96	98.9	1.65
CX100	102.9	1.69
CX101	103.9	1.72
•CX105	107.9	1.80
•CX109	111.9	1.87
CX111	113.9	1.90
•CX112	114.9	1.92
•CX115	117.9	1.97
•CX120	122.9	2.05
•CX128	130.9	2.19
•CX136	138.9	2.32
•CX144	146.9	2.46
CX148	150.9	2.54
•CX150	152.9	2.62
•CX158	160.9	2.69
•CX162	164.9	2.80
•CX173	175.9	3.00
•CX180	182.9	3.10
•CX195	197.9	3.20
•CX210	212.9	3.40
CX225	225.9	3.60
•CX240	240.9	3.90
CX255	255.9	4.10
•CX270	270.9	4.40
CX300	300.9	4.90
CX330	330.9	5.30
CX360	360.9	5.80

DX Belts

Product No.	Datum Length	Weight Lbs.
•DX120	123.3	4.60
•DX128	131.3	4.90
•DX144	147.3	5.40
•DX158	161.3	6.00
•DX162	165.3	6.20
•DX173	176.3	6.60
•DX180	183.3	6.80
•DX195	198.3	7.40
•DX210	213.3	8.00
•DX225	225.3	8.60
•DX240	240.8	9.10
•DX255	255.8	9.70
•DX270	270.8	10.30
•DX300	300.8	11.40
•DX330	330.8	12.50
•DX360	360.8	12.70

* Belt sizes utilized in computer selection program.
 Outside Length "BX" Belts equals Datum Length + 1".
 Outside Length "CX" Belts equals Datum Length + 2".
 Outside Length "DX" Belts equals Datum Length + 2".

“RBX” Banded Belts

Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.
2RBX55	56.8	1.3	2RBX75	76.8	1.8	2RBX105	105.8	2.5	2RBX173	174.8	4.1
2RBX55	56.8	2.0	3RBX75	76.8	2.6	3RBX105	105.8	3.7	3RBX173	174.8	6.1
4RBX55	56.8	2.6	4RBX75	76.8	3.5	4RBX105	105.8	4.9	4RBX173	174.8	8.2
5RBX55	56.8	3.3	5RBX75	76.8	4.5	5RBX105	105.8	6.3	5RBX173	174.8	10.3
2RBX60	61.8	1.4	2RBX78	79.8	1.8	2RBX112	113.8	2.6	2RBX180	181.8	4.2
3RBX60	61.8	2.1	3RBX78	79.8	2.8	3RBX112	113.8	4.0	3RBX180	181.8	6.3
4RBX60	61.8	2.8	4RBX78	79.8	3.7	4RBX112	113.8	5.3	4RBX180	181.8	8.5
5RBX60	61.8	3.5	5RBX78	79.8	4.8	5RBX112	113.8	6.8	5RBX180	181.8	10.5
2RBX62	63.8	1.5	2RBX81	82.8	1.9	2RBX120	121.8	2.8	2RBX195	196.8	4.9
3RBX62	63.8	2.2	3RBX81	82.8	2.9	3RBX120	121.8	4.2	3RBX195	196.8	7.4
4RBX62	63.8	2.9	4RBX81	82.8	3.8	4RBX120	121.8	5.6	4RBX195	196.8	9.8
5RBX62	63.8	3.8	5RBX81	82.8	4.8	5RBX120	121.8	7.0	5RBX195	196.8	12.3
2RBX64	65.8	1.5	2RBX83	84.8	2.0	2RBX128	129.8	3.0	2RBX210	211.8	5.3
3RBX64	65.8	2.3	3RBX83	84.8	2.9	3RBX128	129.8	4.5	3RBX210	211.8	7.9
4RBX64	65.8	3.0	4RBX83	84.8	3.9	4RBX128	129.8	6.0	4RBX210	211.8	10.6
5RBX64	65.8	3.8	5RBX83	84.8	5.0	5RBX128	129.8	7.7	5RBX210	211.8	13.3
2RBX66	67.8	1.6	2RBX85	86.8	2.0	2RBX136	137.8	3.2	2RBX240	240.3	6.0
3RBX66	67.8	2.3	3RBX85	86.8	3.0	3RBX136	137.8	4.8	3RBX240	240.3	9.0
4RBX66	67.8	3.1	4RBX85	86.8	4.0	4RBX136	137.8	6.4	4RBX240	240.3	12.0
5RBX66	67.8	4.0	5RBX85	86.8	5.0	5RBX136	137.8	8.2	5RBX240	240.3	15.0
2RBX68	69.8	1.6	2RBX90	91.8	2.1	2RBX144	145.8	3.4	2RBX270	270.3	6.7
3RBX68	69.8	2.4	3RBX90	91.8	3.2	3RBX144	145.8	5.1	3RBX270	270.3	10.1
4RBX68	69.8	3.2	4RBX90	91.8	4.2	4RBX144	145.8	6.8	4RBX270	270.3	13.6
5RBX68	69.8	4.0	5RBX90	91.8	5.3	5RBX144	145.8	8.5	5RBX270	270.3	16.8
2RBX71	72.8	1.7	2RBX97	98.8	2.3	2RBX158	159.8	3.7			
3RBX71	72.8	2.5	3RBX97	98.8	3.4	3RBX158	159.8	5.6			
4RBX71	72.8	3.4	4RBX97	98.8	4.6	4RBX158	159.8	7.5			
5RBX71	72.8	4.3	5RBX97	98.8	5.8	5RBX158	159.8	9.3			

“RCX” Banded Belts

Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.	Product No.	Datum Length	Weight Lbs.
2RCX68	70.9	3.0	2RCX112	114.9	4.8	2RCX173	175.9	7.4	2RCX270	270.9	10.9
3RCX68	70.9	4.5	3RCX112	114.9	7.2	3RCX173	175.9	11.1	3RCX270	270.9	16.4
4RCX68	70.9	6.0	4RCX112	114.9	9.7	4RCX173	175.9	14.9	4RCX270	270.9	22.0
5RCX68	70.9	7.5	5RCX112	114.9	12.0	5RCX173	175.9	18.5	5RCX270	270.9	27.3
2RCX75	77.9	3.2	2RCX120	122.9	5.1	2RCX180	182.9	7.7	2RCX300	300.9	12.1
3RCX75	77.9	4.9	3RCX120	122.9	7.7	3RCX180	182.9	11.5	3RCX300	300.9	18.3
4RCX75	77.9	6.5	4RCX120	122.9	10.3	4RCX180	182.9	15.4	4RCX300	300.9	24.4
5RCX75	77.9	8.0	5RCX120	122.9	12.8	5RCX180	182.9	19.3	5RCX300	300.9	30.3
2RCX81	83.9	3.5	2RCX128	130.9	5.5	2RCX195	197.9	7.9	2RCX330	330.9	13.3
3RCX81	83.9	5.2	3RCX128	130.9	8.3	3RCX195	197.9	11.9	3RCX330	330.9	20.1
4RCX81	83.9	7.0	4RCX128	130.9	11.0	4RCX195	197.9	15.9	4RCX330	330.9	26.9
5RCX81	83.9	8.8	5RCX128	130.9	13.8	5RCX195	197.9	19.8	5RCX330	330.9	33.3
2RCX85	87.9	3.7	2RCX136	138.9	5.8	2RCX210	212.9	8.5	2RCX360	360.9	14.5
3RCX85	87.9	5.5	3RCX136	138.9	8.7	3RCX210	212.9	12.8	3RCX360	360.9	21.9
4RCX85	87.9	7.4	4RCX136	138.9	11.7	4RCX210	212.9	17.1	4RCX360	360.9	29.3
5RCX85	87.9	8.3	5RCX136	138.9	14.5	5RCX210	212.9	21.3	5RCX360	360.9	36.3
2RCX90	92.9	3.9	2RCX144	146.9	6.2	2RCX225	225.9	9.1			
3RCX90	92.9	5.8	3RCX144	146.9	9.7	3RCX225	225.9	13.7			
4RCX90	92.9	7.8	4RCX144	146.9	12.4	4RCX225	225.9	18.2			
5RCX90	92.9	9.5	5RCX144	146.9	15.5	5RCX225	225.9	22.8			
2RCX96	98.6	4.1	2RCX158	160.9	6.7	2RCX240	240.9	9.7			
3RCX96	98.6	6.2	3RCX158	160.9	10.1	3RCX240	240.9	14.6			
4RCX96	98.6	8.3	4RCX158	160.9	13.6	4RCX240	240.9	18.6			
5RCX96	98.6	10.3	5RCX158	160.9	16.8	5RCX240	240.9	24.3			
2RCX105	107.9	4.5	2RCX162	164.9	6.9	2RCX255	255.9	10.3			
3RCX105	107.9	6.8	3RCX162	164.9	10.4	3RCX255	255.9	15.5			
4RCX105	107.9	9.1	4RCX162	164.9	13.9	4RCX255	255.9	20.6			
5RCX105	107.9	11.3	5RCX162	164.9	17.3	5RCX255	255.9	25.8			

CLASSICAL COG BANDED V-BELTS



An Altra Industrial Motion Company

“RDX” Banded Belts

Product No.	Datum Length	Weight Lbs.
2RDX120	123.3	11.5
3RDX120	123.3	17.3
4RDX120	123.3	23.0
5RDX120	123.3	28.8
2RDX128	131.3	12.3
3RDX128	131.3	18.5
4RDX128	131.3	24.6
5RDX128	131.3	30.8
2RDX144	147.3	13.8
3RDX144	147.3	20.7
4RDX144	147.3	27.6
5RDX144	147.3	34.5
2RDX158	161.3	15.1
3RDX158	161.3	22.7
4RDX158	161.3	30.2
5RDX158	161.3	37.8

Product No.	Datum Length	Weight Lbs.
2RDX173	176.3	16.6
3RDX173	176.3	24.9
4RDX173	176.3	33.2
5RDX173	176.3	41.5
2RDX180	183.3	17.1
3RDX180	183.3	25.7
4RDX180	183.3	34.2
5RDX180	183.3	42.8
2RDX195	198.3	18.6
3RDX195	198.3	27.9
4RDX195	198.3	37.2
5RDX195	198.3	46.5
2RDX210	213.3	20.1
3RDX210	213.3	30.2
4RDX210	213.3	40.2
5RDX210	213.3	50.3

Product No.	Datum Length	Weight Lbs.
2RDX225	225.8	21.5
3RDX225	225.8	32.3
4RDX225	225.8	43.0
5RDX225	225.8	53.8
2RDX240	240.8	22.9
3RDX240	240.8	34.4
4RDX240	240.8	45.8
5RDX240	240.8	57.3
2RDX255	255.8	24.4
3RDX255	255.8	36.6
4RDX255	255.8	48.8
5RDX255	255.8	61.0
2RDX270	270.8	26.0
3RDX270	270.8	39.0
4RDX270	270.8	52.0
5RDX270	270.8	65.0

Product No.	Datum Length	Weight Lbs.
2RDX300	300.8	28.7
3RDX300	300.8	43.1
4RDX300	300.8	57.4
5RDX300	300.8	71.8
2RDX330	330.8	31.5
3RDX330	330.8	47.3
4RDX330	330.8	63.0
5RDX330	330.8	78.8
2RDX360	360.8	34.5
3RDX360	360.8	51.8
4RDX360	360.8	69.0
5RDX360	360.8	86.3

Double-V or Hex belts, as they are frequently called, are used on drives having one or more reverse bends and usually where power must be transmitted to or from the belt in both the usual and also the reverse bend positions. Sometimes these drives are referred to as "Serpentine" because of the snakelike path the belt must travel.

AA Belts

Product No.	Standard Effective Length	Approx. Weight
AA51	53.1	.40
AA55	57.1	.50
AA60	62.1	.50
AA62	64.1	.50
AA64	66.1	.60
AA66	68.1	.61
AA68	70.1	.60
AA70	72.1	.60
AA75	77.1	.60
AA78	80.1	.70
AA80	82.1	.70
AA85	87.1	.70
AA90	92.1	.80
AA92	94.1	.80
AA96	98.1	.80
AA105	107.1	.90
AA112	114.1	1.00
AA120	122.1	1.00
AA128	130.1	1.10

BB Belts

Product No.	Standard Effective Length	Approx. Weight
BB42	43.9	.60
BB43	44.9	.60
BB45	47.9	.60
BB51	53.9	.80
BB53	55.9	.80
BB54	56.9	.80
BB55	57.9	.80
BB60	62.9	.80
BB64	66.9	.90
BB68	70.9	.90
BB71	73.9	.90
BB72	74.9	1.00
BB73	75.9	1.00
BB74	76.9	1.00
BB75	77.9	1.00
BB76	78.9	1.00
BB77	79.9	1.10
BB81	83.9	1.10
BB83	85.9	1.10
BB85	87.9	1.20
BB89	91.9	1.20
BB90	92.9	1.20
BB92	94.9	1.20
BB93	95.9	1.30
BB94	96.9	1.30
BB96	98.9	1.30
BB97	99.9	1.30
BB103	105.9	1.40
BB105	107.9	1.40
BB107	109.9	1.50
BB108	110.9	1.50
BB111	113.9	1.50
BB112	114.9	1.50
BB116	118.9	1.60
BB117	119.9	1.60
BB118	120.9	1.60
BB120	122.9	1.60
BB122	124.9	1.70
BB123	125.9	1.70
BB124	126.9	1.70
BB128	130.9	1.80
BB129	131.9	1.80
BB130	132.9	1.80
BB136	138.9	1.90
BB140	142.9	2.00
BB144	146.9	2.00
BB155	157.9	2.10
BB157	159.9	2.10
BB158	160.9	2.10
BB160	162.9	2.20
BB162	164.9	2.20
BB168	170.9	2.30
BB169	171.9	2.30
BB170	172.9	2.30
BB173	175.9	2.30

Product No.	Standard Effective Length	Approx. Weight
BB180	182.9	2.40
BB182	184.9	2.40
BB190	192.9	2.60
BB195	197.9	2.60
BB210	212.9	2.80
BB225	227.9	3.00
BB226	228.9	3.00
BB228	230.9	3.00
BB230	232.9	3.10
BB240	241.4	3.20
BB255	256.4	3.20
BB267	268.4	3.20
BB270	271.4	3.60
BB273	274.4	3.60
BB277	278.4	3.60
BB278	279.4	3.70
BB285	286.4	3.90
BB300	301.4	4.00
BB330	331.4	5.60
BB360	361.4	4.50

CC Belts

Product No.	Standard Effective Length	Approx. Weight
CC75	79.2	1.90
CC81	85.2	2.00
CC85	89.2	2.10
CC90	94.2	2.20
CC96	100.2	2.40
CC105	109.2	2.60
CC112	116.2	2.80
CC119	123.2	2.90
CC120	124.2	3.00
CC128	132.2	3.20
CC136	140.2	3.40
CC144	148.2	3.60
CC148	152.2	3.70
CC158	162.2	3.80
CC162	166.2	3.90
CC173	177.2	4.20
CC180	184.2	4.40
CC195	199.2	4.70
CC210	214.2	5.10
CC225	227.2	5.60
CC240	242.2	5.80
CC255	257.2	6.20
CC270	272.2	6.50
CC300	302.2	7.20
CC330	332.2	9.20
CC360	362.2	8.70
CC390	392.2	9.50
CC420	422.2	10.80

CCP Dry Can Belts

Product No.	Standard Effective Length	Approx. Weight
CCP240	242.2	8.23
CCP255	257.2	8.72
CCP270	272.2	9.22
CCP300	302.2	10.22
CCP330	332.2	11.16
CCP360	362.2	12.15
CCP390	392.2	13.14
CCP408	410.2	13.74
CCP420	422.2	14.14
CCP440	442.2	14.80
CCP450	452.2	15.13
CCP470	472.2	15.79
CCP480	482.2	16.12
CCP540	542.2	18.11
CCP550	552.2	18.44
CCP578	580.2	19.37
CCP600	602.2	20.10
CCP640	642.2	21.42
CCP660	662.2	22.08
CCP670	672.2	22.42
CCP680	682.2	22.75
CCP700	702.2	23.41
CCP720	722.2	24.07
CCP750	752.2	25.06
CCP780	782.2	26.06
CCP800	802.2	26.72
CCP840	842.2	28.04
CCP900	902.2	30.03

For other sizes, contact factory for availability.

DRIVE SELECTION – CLASSICAL BELTS



An Altra Industrial Motion Company

1. Determine DESIGN HORSEPOWER

DESIGN HORSEPOWER = DriveR HP x Service Factor (See below)

SERVICE FACTORS

DRIVEN MACHINE See Note 1	DRIVER					
	AC Normal Torque Electric Motor (NEMA Design A-B) See Note 2			AC High Torque Electric Motor (NEMA Design C-D) See Note 3		
	Intermittent Service See Note 4	Normal Service See Note 5	Continuous Service See Note 6	Intermittent Service See Note 4	Normal Service See Note 5	Continuous Service See Note 6
Agitators for Liquids	1.0	1.1	1.2	1.1	1.2	1.3
Blowers and Exhausters						
Centrifugal Pumps and Compressors						
Conveyors (Light Duty).						
Fans (up to 10 H.P.)	1.1	1.2	1.3	1.2	1.3	1.4
Belt Conveyors for Sand, Grain, etc.						
Fans (over 10 H.P.)						
Generators.						
Laundry Machinery						
Line Shafts						
Machine Tools						
Mixers (Dough).						
Positive Displacement Rotary Pumps						
Printing Machinery						
Punches-Presses-Shears See Note 1						
Revolving and Vibrating Screens	1.2	1.3	1.4	1.4	1.5	1.6
Blowers (Positive Displacement).						
Brick Machinery						
Compressors (Piston) See Note 1						
Conveyors (Drag-Pan-Screw)						
Elevators (Bucket).						
Exciters						
Hammer Mills						
Paper Mill Beaters.						
Pulverizers.						
Pumps (Piston).						
Saw Mill and Woodworking Machinery.						
Textile Machinery						
Crushers (Gyratory-Jaw-Roll) See Note 1. . . . .							1.3	1.4	1.5	1.5	1.6	1.8
Mills (Ball-Rod-Tube) See Note 1						
Hoists See Note 1						
Rubber Calenders-Extruders-Mills See Note 1						

Note 1 The Driven Machines listed above are representative samples only. When one of the sheaves of the drive is used as a flywheel to reduce speed fluctuations and equalize the energy exerted at the shaft or for applications involving impact or jam loads, specially constructed sheaves may be required. Consult the manufacturer.

Note 2 Included under this heading are the following electric motors: Synchronous and Squirrel Cage AC Normal Torque, AC Split Phase, DC Shunt Wound and Internal Combustion Engines.

Note 3 Included under this heading are the following electric motors: AC High Torque, AC Hi-Slip, AC Repulsion, Induction, AC Single Phase Series Wound, AC Slip Ring and DC Compound Wound.

Note 4 Intermittent Service refers to 3–5 hours of daily or seasonal operation.

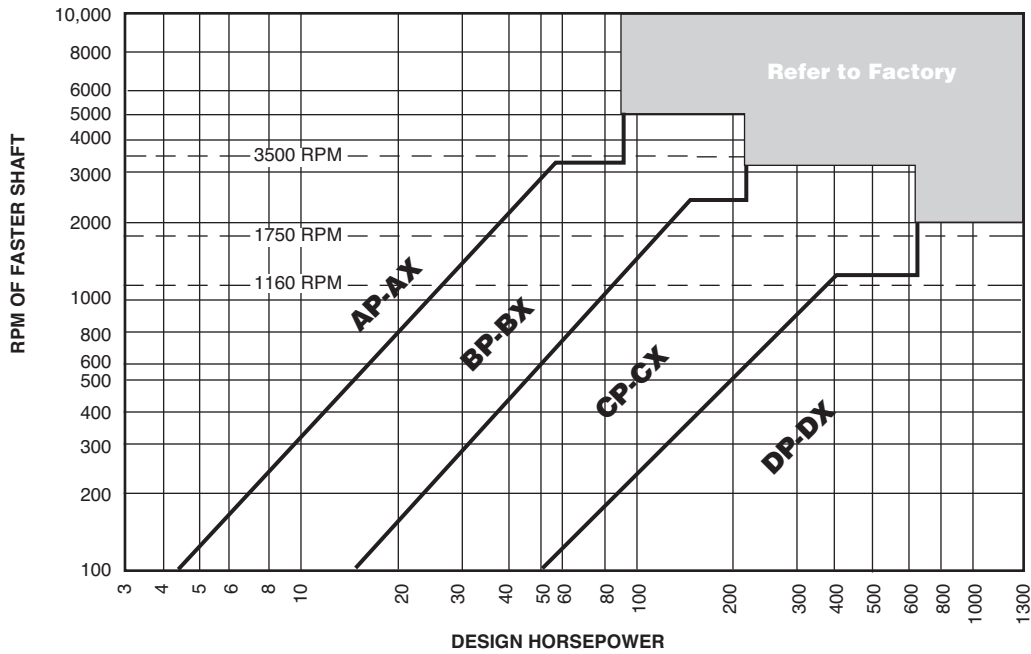
Note 5 Normal Service indicates 8–10 hours of daily operation.

Note 6 Continuous Service refers to 16–24 hours of daily operation.

Note 7 If idlers are used, add the following to the service factor.

Idler on slack side (inside)	None
Idler on slack side (outside)	0.1
Idler on tight side (inside)	0.1
Idler on tight side (outside)	0.2

2. Select **BELT CROSS SECTION** using chart below.



3. If using a 60 HZ electric motor, **Note the Minimum Motor Sheave Outside Diameter recommended by NEMA.**

Motor Horsepower	MOTOR RPM			
	870	1160	1750	3500
1/2	2.2	...	...	...
3/4	2.4	2.2	...	...
1	2.4	2.4	2.2	...
1-1/2	2.4	2.4	2.4	2.2
2	3.0	2.4	2.4	2.4
3	3.0	3.0	2.4	2.4
5	3.8	3.0	3.0	2.4
7-1/2	4.4	3.8	3.0	3.0
10	4.4	4.4	3.8	3.0
15	5.2	4.4	4.4	3.8
20	6.0	5.2	4.4	4.4
25	6.8	6.0	4.4	4.4
30	6.8	6.8	5.2	...
40	8.2	6.8	6.0	...
50	8.4	8.2	6.8	...
60	10.0	8.2	7.4	...
75	10.0	10.0	8.6	...
100	12.0	10.0	8.6	...
125	...	12.0	10.5	...
150	...	...	10.5	...
200	...	...	13.2	...
250	...	...	...	...
300	...	...	...	...

DRIVE SELECTION – CLASSICAL BELTS



An Altra Industrial Motion Company

- BELT LENGTH = $2 \times C + 1.57 \times (D + d) + [(D - d)^2 / (4 \times C)]$
- CENTER DISTANCE = $1/2 \times [A - h \times (D - d)]$

WHERE:

C = Center Distance (in.) D = Datum Diameter of larger sheave (in.)
 L = Belt Datum Length (in.) d = Datum Diameter of smaller sheave (in.)
 A = $L - 1.57 \times (D + d)$ h = Factor from chart below

$\frac{D-d}{A}$	h	$\frac{D-d}{A}$	h	$\frac{D-d}{A}$	h	$\frac{D-d}{A}$	h
0.00	0.00	0.16	0.08	0.30	0.16	0.43	0.24
0.02	0.01	0.18	0.09	0.32	0.17	0.44	0.25
0.04	0.02	0.20	0.10	0.34	0.18	0.46	0.26
0.06	0.03	0.21	0.11	0.35	0.19	0.47	0.27
0.08	0.04	0.23	0.12	0.37	0.20	0.48	0.28
0.10	0.05	0.25	0.13	0.39	0.21	0.50	0.29
0.12	0.06	0.27	0.14	0.40	0.22	0.51	0.30
0.14	0.07	0.29	0.15	0.41	0.23	...	...

AC FACTORS

$\frac{D-d}{C}$	Factor Ac	$\frac{D-d}{C}$	Factor Ac
0.000	1.000	0.750	0.879
0.025	0.997	0.775	0.874
0.050	0.994	0.800	0.869
0.075	0.990	0.825	0.864
0.100	0.987	0.850	0.858
0.125	0.983	0.875	0.852
0.150	0.980	0.900	0.847
0.175	0.977	0.925	0.841
0.200	0.973	0.950	0.835
0.225	0.969	0.975	0.829
0.250	0.966	1.000	0.823
0.275	0.962	1.025	0.816
0.300	0.958	1.050	0.810
0.325	0.954	1.075	0.803
0.350	0.951	1.100	0.796
0.375	0.947	1.125	0.789
0.400	0.943	1.150	0.782
0.425	0.939	1.175	0.774
0.450	0.935	1.200	0.767
0.475	0.930	1.225	0.759
0.500	0.926	1.250	0.751
0.525	0.922	1.275	0.742
0.550	0.917	1.300	0.734
0.575	0.913	1.325	0.725
0.600	0.908	1.350	0.716
0.625	0.904	1.375	0.706
0.650	0.899	1.400	0.697
0.675	0.894	1.425	0.687
0.700	0.889		
0.725	0.884		

LC FACTORS

Belt No.	Correction Factor Lc	Belt No.	Correction Factor Lc	Belt No.	Correction Factor Lc	Belt No.	Correction Factor Lc
AP26	.81	BP35	.81	CP51	.80	DP120	.86
AP31	.84	BP38	.83	CP60	.82	DP128	.87
AP35	.87	BP42	.85	CP68	.85	DP144	.90
AP38	.88	BP46	.87	CP75	.87	DP158	.91
AP42	.90	BP51	.89	CP81	.89	DP162	.92
AP46	.92	BP55	.90	CP85	.90	DP173	.93
AP51	.94	BP60	.92	CP90	.91	DP180	.94
AP55	.96	BP68	.95	CP96	.92	DP195	.96
AP60	.98	BP75	.97	CP105	.94	DP210	.96
AP68	1.00	BP81	.98	CP112	.95	DP240	1.00
AP75	1.02	BP85	.99	CP120	.97	DP270	1.03
AP80	1.04	BP90	1.00	CP128	.98	DP300	1.05
AP85	1.05	BP97	1.02	CP136	.99	DP330	1.07
AP90	1.06	BP105	1.04	CP144	1.00	DP360	1.09
AP96	1.08	BP112	1.05	CP158	1.02	DP390	1.11
AP105	1.10	BP120	1.07	CP162	1.03	DP420	1.12
AP112	1.11	BP128	1.08	CP173	1.04	DP480	1.16
AP120	1.13	BP136	1.09	CP180	1.05	DP540	1.18
AP128	1.14	BP144	1.11	CP195	1.07	DP600	1.20
		BP158	1.13	CP210	1.08		
		BP173	1.15	CP240	1.11		
		BP180	1.16	CP270	1.14		
		BP195	1.18	CP300	1.16		
		BP210	1.19	CP360	1.21		
		BP240	1.22	CP390	1.23		
		BP270	1.25	CP420	1.24		
		BP300	1.27				

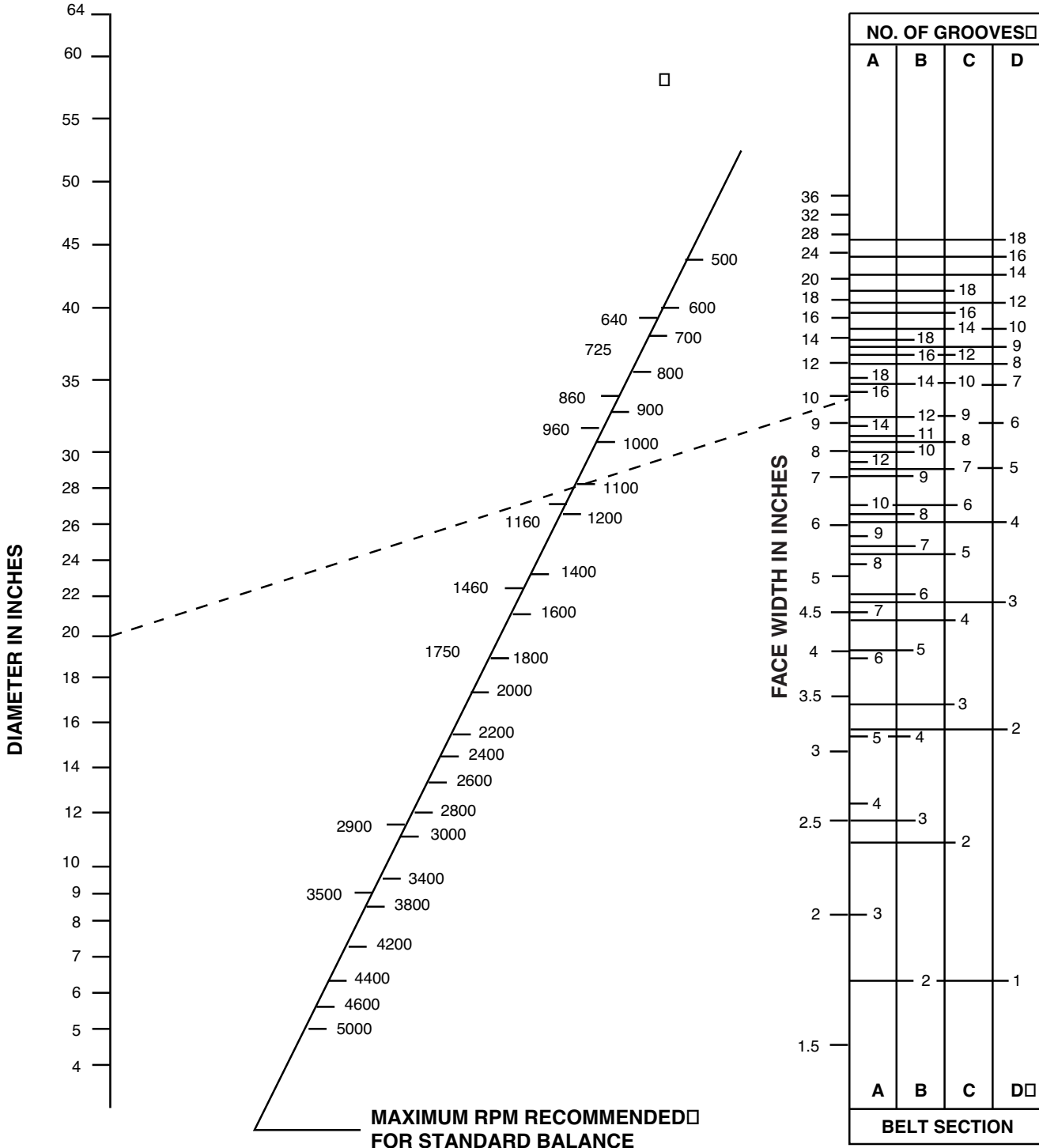
NOTE: Includes AX, BX, CX, and DX belts.

Proper balance of rotating products is important for smooth, vibration-free operation. Standard balance of Wood's stock products is a one plane balance. Depending on the face width, outside diameter, and operating speed a higher precision balance may be required for smooth operation. In those cases a two-plane balance is suggested.

Note: Two plane balance is for smooth operation only and DOES NOT increase the maximum safe operating speed of the product. Stock cast iron wheels may not exceed 6,550 feet per minute; and ductile iron wheels are limited to 10,000 FPM. (FPM = sheave outside diameter x RPM x .262)

The nomograph below may be used as a guideline to determine when two-plane balance is recommended. To use this chart lay a straight-edge between the diameter of the part on the left of the chart and the face width of the part on the right. The straight edge will intersect the slanted scale in the center of the chart. When the operating speed is greater than the intersection point a two-plane balance is recommended.

Example: If a 20 in. diameter x 10 in. face width sheave runs faster than 1100 rpm, dynamic balancing is recommended.



DRIVE SELECTION – CLASSICAL BELTS USING PRE-ENGINEERED DRIVE SELECTION TABLES

Standard Motor Speed – Reduction or 1:1 Ratio Drives

Example: A 30 HP 1750 RPM NEMA B motor driving a piston pump operating at 500 RPM, 24 hours a day.
Motor shaft is 1-7/8" diameter, Pump shaft is 2-1/4" diameter, center distance between shafts is 33".

Procedure	Example																		
Step #1: Calculate the Design Horsepower DHP = DriveR HP x service factor (page B2–23)	Service Factor = 1.4 DHP = 30 HP x 1.4 SF = 42																		
Step #2: Choose the Belt Cross Section Reference chart (page B2–24)	42 DHP and 1750 RPM falls in the B section																		
Step #3: Check NEMA recommended Minimum Motor Sheave Outside Diameter (page B2–24)	NEMA minimum O.D. for a 30 HP 1750 RPM motor is 5.2 inches																		
Step #4: Calculate Speed Ratio Speed Ratio = DriveR RPM / DriveN RPM	Speed Ratio = 1750 RPM / 500 RPM = 3.5																		
Step #5: In the Drive Selection Tables corresponding to the correct belt section, locate the drive line with the same ratio. In the event of multiple lines, drives using larger diameters are usually more economical.	Lines 416 (page B2–66) is a 3.51 ratio. The driver used here is larger than the NEMA recommended minimum.																		
Step #6: Note the following information from the drive line: DriveR sheave diameter DriveN sheave diameter Actual RPM - Under the corresponding motor RPM HP Rating Per Belt - Under the corresponding motor RPM Select the desired CD - To the right of the RPM and HP Arc-Length Correction Factor - Bold type above/below CD Belt Length - Column header above Selected CD	From line 416 DriveR DD = 5.4 DriveN DD = 20.0 DriveN speed = 498 RPM when DriveR @ 1750 RPM HP Per Belt = 10.41 HP using BX belt with DriveR @ 1750 RPM CD = 32.6" Arc Length Correction Factor = .97 BX105																		
Step #7: Calculate corrected HP per Belt CHP = HP per Belt x Arc Length Correction Factor	CHP = 10.41 x .97 = 10.09																		
Step #8: Determine number of belts required NOB = Design HP / CHP	NOB = 42 DHP / 10.09 CHP = 4.16 • use 5 belts																		
Step #9: Check for Dynamic Balance Recommendations Reference Chart (page B2–26)	OK as Standard - 5.4 x 5B static balance good to 3250 RPM OK as Standard - 20.0 x 5B static balance good to 1730 RPM																		
Step #10: Specify Drive Components Reference Component Dimensional pages for Product Number	<table border="1"> <thead> <tr> <th>Item</th> <th>Product No.</th> <th>Ref. Page</th> </tr> </thead> <tbody> <tr> <td>DR - 5.4 x 5B sheave</td> <td>545B</td> <td>(B2–6)</td> </tr> <tr> <td>- SK Bushing for 1-7/8" bore</td> <td>SK178</td> <td>(A1–5)</td> </tr> <tr> <td>DN - 20.0 x 5B sheave</td> <td>2005B</td> <td>(B2–6)</td> </tr> <tr> <td>- E Bushing for 2-1/4" bore</td> <td>E214</td> <td>(A1–5)</td> </tr> <tr> <td>Belts - Qty. of 5 belts</td> <td>BX105</td> <td>(B2–19)</td> </tr> </tbody> </table>	Item	Product No.	Ref. Page	DR - 5.4 x 5B sheave	545B	(B2–6)	- SK Bushing for 1-7/8" bore	SK178	(A1–5)	DN - 20.0 x 5B sheave	2005B	(B2–6)	- E Bushing for 2-1/4" bore	E214	(A1–5)	Belts - Qty. of 5 belts	BX105	(B2–19)
Item	Product No.	Ref. Page																	
DR - 5.4 x 5B sheave	545B	(B2–6)																	
- SK Bushing for 1-7/8" bore	SK178	(A1–5)																	
DN - 20.0 x 5B sheave	2005B	(B2–6)																	
- E Bushing for 2-1/4" bore	E214	(A1–5)																	
Belts - Qty. of 5 belts	BX105	(B2–19)																	

DRIVE SELECTION – CLASSICAL BELTS USING DRIVE SELECTION TABLES AND HP RATING TABLES

Speeds Other than Common Motor Speeds and Speed-Up Applications

Example: A 100 HP 1000 RPM internal combustion engine driving a generator operating at 1860 RPM, 3 hours a day. Motor shaft is 2" diameter, generator shaft is 1-7/8" diameter, center distance between shafts is 40".

Procedure	Example																		
Step #1: Calculate the Design Horsepower DHP = DriveR HP x service factor (page B2–23)	Service Factor = 1.1 DHP = 100 HP x 1.1 = 110																		
Step #2: Choose the Belt Cross Section Reference chart (page B2–24)	110 DHP and 1000 RPM falls in the C section																		
Step #3: Check NEMA recommended Minimum Motor Sheave Outside Diameter (page B2–24)	Does Not Apply - DriveR not NEMA Motor																		
Step #4: Calculate Speed Ratio Speed Ratio = Faster RPM / Slower RPM	Speed Ratio = 1860 RPM / 1000 RPM = 1.86																		
Step #5: In the Drive Selection Tables corresponding to the correct belt section, locate the drive line with the same ratio. In the event of multiple lines, drives using larger diameters are usually more economical.	Line 105 is a 1.86 ratio. Due to the application being a speed-up drive the DriveR and DriveN sheave are reversed in the table. Actual RPM = 1000 DriveR RPM x 1.86 = 1860 DriveN RPM																		
Step #6: Note the following information from the drive line: DriveR sheave diameter DriveN sheave diameter Select the desired CD - On the right hand page Arc-Length Correction Factor - Bold type above/below CD Belt Length - Column header above Selected CD	From line 105 DriveR DD = 18.0 DriveN DD = 9.5 CD = 39.6" Arc Length Correction Factor = .94 CP120																		
Step #7: In the HP Rating Tables, following the Drive Selection Tables, locate the HP per Belt under the correct Belt Section. (Use Small Sheave Diameter and RPM)	CP HP Rating Tables (page B2–94) 9.5 diameter sheave @ 1860 RPM - HP/Belt = 21.5																		
Step #8: Calculate corrected HP per Belt Add on for ratio is found to the right of the HP Rating Tables CHP = (HP per Belt + Add on) x Arc Length Correction Factor	Add on for 1.86 ratio = 2.10 CHP = (21.5 + 2.10) x .94 = 22.18																		
Step #9: Determine number of belts required NOB = Design HP / CHP	NOB = 110 DHP / 22.18 CHP = 4.95 • use 5 belts																		
Step #10: Check for Dynamic Balance Recommendations Reference Chart (page B2–26)	OK as Standard - 9.5 x 5C static balance good to 2140 RPM OK as Standard - 18.0 x 5C static balance good to 1570 RPM																		
Step #11: Stock cast iron parts are good to 6500 FPM If operating faster MTO ductile iron is required FPM = diameter (in.) x RPM x .262	18.0 DD = 18.4 OD FPM = 18.4 x 1000 x .262 = 4820 FPM Stock cast iron parts are OK																		
Step #12: Specify Drive Components Reference Component Dimensional pages for Product Number	<table border="0"> <thead> <tr> <th style="text-align: left;">Item</th> <th style="text-align: left;">Product No.</th> <th style="text-align: left;">Ref. Page</th> </tr> </thead> <tbody> <tr> <td>DR - 18.0 x 5C sheave</td> <td>1805C</td> <td>(B2–9)</td> </tr> <tr> <td>- E Bushing for 2" bore</td> <td>E2</td> <td>(A1–5)</td> </tr> <tr> <td>DN - 9.5 x 5C sheave</td> <td>955C</td> <td>(B2–9)</td> </tr> <tr> <td>- E Bushing for 1-7/8" bore</td> <td>E178</td> <td>(A1–5)</td> </tr> <tr> <td>Belts - Qty. of 5 belts</td> <td>CP120</td> <td>(B2–15)</td> </tr> </tbody> </table>	Item	Product No.	Ref. Page	DR - 18.0 x 5C sheave	1805C	(B2–9)	- E Bushing for 2" bore	E2	(A1–5)	DN - 9.5 x 5C sheave	955C	(B2–9)	- E Bushing for 1-7/8" bore	E178	(A1–5)	Belts - Qty. of 5 belts	CP120	(B2–15)
Item	Product No.	Ref. Page																	
DR - 18.0 x 5C sheave	1805C	(B2–9)																	
- E Bushing for 2" bore	E2	(A1–5)																	
DN - 9.5 x 5C sheave	955C	(B2–9)																	
- E Bushing for 1-7/8" bore	E178	(A1–5)																	
Belts - Qty. of 5 belts	CP120	(B2–15)																	

DRIVE SELECTION – CLASSICAL BELTS MTO DRIVE DESIGN

Non-Stock Diameters

Example: A 25 HP 1160 RPM motor driving a Ball Mill operating at 750 RPM, 8 hours a day.
The motor shaft is 2-1/8", the Mill is supplied with a 14.75 x 3B flywheel sheave mounted, the center distance is 48".

Procedure	Example															
Step #1: Calculate the Design Horsepower DHP = DriveR HP x service factor (page B2–23)	Service Factor = 1.4 DHP = 25 HP x 1.4 = 35															
Step #2: Choose the Belt Cross Section Reference chart (page B2–24)	35 DHP and 1160 RPM intersect in the B section This agrees with the sheave supplied with the mill															
Step #3: Check NEMA recommended Minimum Motor Sheave Outside Diameter (page B2–24)	Minimum O.D. for a 25 HP 1160 RPM motor is 6.0 inches															
Step #4: Calculate Speed Ratio Speed Ratio = Faster RPM / Slower RPM	Speed Ratio = 1160 RPM / 750 RPM = 1.55															
Step #5: Use the Ratio and any diameter limits or known sheaves to determine the diameters of DriveR and DriveN. Try to utilize stock parts when possible.	14.75 DD Known DriveN Sheave = 15.11 PD 15.11 PD DriveN Sheave / 1.55 Ratio = 9.75 PD DriveR Sheave Use Stock 94 DD stock sheave = 9.76 PD															
Step #6: Using the diameter of the sheave the actual ratio and speed can be calculated.	Actual Ratio = 15.11 PD DriveN / 9.76 PD DriveR = 1.55 Actual RPM = 1160 RPM DriveR / 1.55 = 748 RPM DriveN															
Step #7: Calculate Belt Length to determine the closest stock belt. Then calculate the actual CD using the stock belt. (Formulas on page B2–25)	$BL = 2 \times 48 + 1.57 \times (14.75 + 9.4) + [(14.75 - 9.4)^2 / (4 \times 48)]$ BL = 134.1 • use a BP133 Belt $A = 134.8 - 1.57 \times (14.75 + 9.4) = 96.88$ $CD = 1/2 \times [96.88 - .03 \times (14.75 - 9.4)] = 48.4"$															
Step #8: Find the AC and LC correction factors. (page B2–25)	AC factor = .985 LC factor for BP133 belts = 1.08															
Step #9: In the HP Rating Tables, following the Drive Selection Tables, locate the HP per Belt under the correct Belt Section. (Use Small Sheave Diameter and RPM)	BP HP rating tables (page B2–90) 9.4 diameter @ 1160 RPM – HP / Belt = 13.0															
Step #10: Calculate corrected HP per Belt Add on for ratio is found to the right of the HP Rating Tables CHP = (HP per Belt + Add on) x AC x LC	Add on for 1.55 ratio = .57 CHP = (13.0 + .57) x .985 x 1.08 = 14.44															
Step #11: Determine number of belts required NOB = Design HP / CHP	NOB = 35 DHP / 14.44 CHP = 2.42 • use 3 belts															
Step #12: Check for Dynamic Balance Recommendations Reference Chart (page B2–26)	OK as Standard - 9.4 x 3B static balance good to 3160 RPM OK as Standard - 14.75 x 3B static balance good to 2500 RPM															
Step #13: Stock cast iron parts are good to 6500 FPM. If operating faster, MTO ductile iron is required. FPM = diameter (in.) x RPM x .262	FPM = 9.75 x 1160 x .262 = 2963 FPM Standard Cast Iron Parts are OK															
Step #14: Specify Drive Components Reference Component Dimensional pages for Product Number	<table border="0"> <thead> <tr> <th>Item</th> <th>Product No.</th> <th>Ref. Page</th> </tr> </thead> <tbody> <tr> <td>DR - 9.4 x 3B sheave</td> <td>943B</td> <td>(B2–5)</td> </tr> <tr> <td>- SK Bushing for 2-1/8" bore</td> <td>SK218</td> <td>(A1–5)</td> </tr> <tr> <td>DN - Existing 14.75 x 3B sheave</td> <td></td> <td></td> </tr> <tr> <td>Belts - Qty. of 3 belts</td> <td>3BP133</td> <td>(B2–15)</td> </tr> </tbody> </table>	Item	Product No.	Ref. Page	DR - 9.4 x 3B sheave	943B	(B2–5)	- SK Bushing for 2-1/8" bore	SK218	(A1–5)	DN - Existing 14.75 x 3B sheave			Belts - Qty. of 3 belts	3BP133	(B2–15)
Item	Product No.	Ref. Page														
DR - 9.4 x 3B sheave	943B	(B2–5)														
- SK Bushing for 2-1/8" bore	SK218	(A1–5)														
DN - Existing 14.75 x 3B sheave																
Belts - Qty. of 3 belts	3BP133	(B2–15)														

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						AP	AX		AP	AX		AP	AX
1	1.00	3.00	3.00	1-6	1160	1.62	1.89	1750	2.13	2.57	3500	3.02	3.98
2	1.00	3.20	3.20	1-6	1160	1.87	2.15	1750	2.50	2.93	3500	3.63	4.61
3	1.00	3.40	3.40	1-6	1160	2.13	2.41	1750	2.86	3.30	3500	4.22	5.22
4	1.00	3.60	3.60	1-6	1160	2.38	2.66	1750	3.21	3.66	3500	4.80	5.83
5	1.00	3.80	3.80	1-6	1160	2.63	2.91	1750	3.57	4.01	3500	5.36	6.42
6	1.00	4.00	4.00	1-6	1160	2.88	3.16	1750	3.92	4.37	3500	5.91	7.00
7	1.00	4.20	4.20	1-6	1160	3.13	3.41	1750	4.26	4.72	3500	6.44	7.57
8	1.00	4.40	4.40	1-6	1160	3.37	3.66	1750	4.61	5.07	3500	6.95	8.12
9	1.00	4.60	4.60	1-6	1160	3.62	3.90	1750	4.94	5.41	3500	7.44	8.66
10	1.00	4.80	4.80	1-6	1160	3.86	4.15	1750	5.28	5.75	3500	7.92	9.18
11	1.00	5.00	5.00	1-8,10	1160	4.10	4.39	1750	5.61	6.09	3500	8.38	9.69
12	1.00	5.20	5.20	1-8,10	1160	4.34	4.63	1750	5.94	6.43	3500	8.82	10.18
13	1.00	5.40	5.40	1-8,10	1160	4.57	4.87	1750	6.27	6.76	3500	9.24	10.66
14	1.00	5.60	5.60	1-8,10	1160	4.81	5.11	1750	6.59	7.09	3500	9.64	11.12
15	1.00	5.80	5.80	1-8,10	1160	5.04	5.35	1750	6.90	7.42	3500	10.02	11.57
16	1.00	6.00	6.00	1-8,10	1160	5.28	5.58	1750	7.22	7.74	3500	10.38	12.00
17	1.00	6.20	6.20	1-8,10	1160	5.51	5.82	1750	7.53	8.06	3500	10.71	12.41
18	1.00	6.40	6.40	1-8,10	1160	5.74	6.05	1750	7.84	8.38	--	--	--
19	1.00	6.60	6.60	1-8,10	1160	5.96	6.28	1750	8.14	8.69	--	--	--
20	1.00	7.00	7.00	1-8,10	1160	6.42	6.74	1750	8.73	9.31	--	--	--
21	1.03	6.40	6.60	1-8,10	1126	5.78	6.09	1699	7.90	8.44	--	--	--
22	1.03	6.20	6.40	1-8,10	1125	5.55	5.86	1697	7.59	8.12	3395	10.84	12.53
23	1.03	6.00	6.20	1-8,10	1124	5.32	5.62	1696	7.28	7.80	3391	10.50	12.12
24	1.03	5.80	6.00	1-8,10	1123	5.09	5.39	1694	6.97	7.48	3388	10.15	11.70
25	1.03	5.60	5.80	1-8,10	1122	4.85	5.15	1692	6.65	7.15	3384	9.77	11.25
26	1.04	5.40	5.60	1-8,10	1120	4.62	4.92	1690	6.33	6.83	3380	9.38	10.79
27	1.04	5.20	5.40	1-8,10	1119	4.38	4.68	1688	6.01	6.50	3376	8.96	10.32
28	1.04	5.00	5.20	1-8,10	1117	4.15	4.44	1686	5.69	6.16	3372	8.53	9.83
29	1.04	4.80	5.00	1-6	1116	3.91	4.20	1683	5.36	5.83	3367	8.07	9.33
30	1.04	4.60	4.80	1-6	1114	3.67	3.96	1681	5.02	5.49	3361	7.60	8.81
31	1.04	4.40	4.60	1-6	1112	3.43	3.71	1678	4.69	5.15	3356	7.11	8.28
32	1.04	4.20	4.40	1-6	1110	3.18	3.47	1675	4.35	4.80	3349	6.61	7.73
33	1.05	4.00	4.20	1-6	1108	2.94	3.22	1671	4.01	4.45	3343	6.09	7.17
34	1.05	3.80	4.00	1-6	1105	2.69	2.97	1668	3.66	4.10	3335	5.55	6.60
35	1.05	3.60	3.80	1-6	1103	2.44	2.72	1664	3.31	3.75	3327	5.00	6.02
36	1.05	3.40	3.60	1-6	1100	2.20	2.47	1659	2.96	3.39	3318	4.43	5.42
37	1.06	3.20	3.40	1-6	1096	1.94	2.22	1654	2.61	3.04	3308	3.85	4.81
38	1.06	6.60	7.00	1-8,10	1096	6.04	6.35	1653	8.25	8.80	--	--	--
39	1.06	3.00	3.20	1-6	1093	1.69	1.97	1649	2.25	2.67	3297	3.25	4.20
40	1.06	6.20	6.60	1-8,10	1092	5.58	5.89	1648	7.64	8.17	3296	10.94	12.63
41	1.06	6.00	6.40	1-8,10	1090	5.35	5.66	1645	7.34	7.85	3289	10.61	12.23
42	1.07	5.80	6.20	1-8,10	1088	5.12	5.42	1641	7.03	7.53	3283	10.26	11.80
43	1.07	5.60	6.00	1-8,10	1086	4.89	5.19	1638	6.71	7.21	3276	9.89	11.36
44	1.07	5.40	5.80	1-8,10	1083	4.66	4.95	1634	6.39	6.88	3269	9.49	10.91
45	1.07	5.20	5.60	1-8,10	1081	4.42	4.72	1630	6.07	6.55	3261	9.08	10.43
46	1.08	5.00	5.40	1-8,10	1078	4.19	4.48	1626	5.75	6.22	3252	8.65	9.95
47	1.08	4.80	5.20	1-6	1075	3.95	4.24	1622	5.42	5.89	3243	8.20	9.45
48	1.08	4.60	5.00	1-6	1072	3.71	4.00	1617	5.09	5.55	3233	7.73	8.93
49	1.08	7.00	7.60	1-8,10	1071	6.51	6.83	1616	8.88	9.45	--	--	--
50	1.09	4.40	4.80	1-6	1068	3.47	3.75	1611	4.76	5.21	3223	7.25	8.41

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲																LINE #
A26	A31	A35	A38	A42	A46	A51	A55	A60	A68	A75	A80	A85	A90	A96	A105	
8.9	11.4	13.4	14.9	16.9	18.9	21.4	23.4	25.9	29.9	33.4	35.9	38.4	40.9	43.9	48.4	1
8.6	11.1	13.1	14.6	16.6	18.6	21.1	23.1	25.6	29.6	33.1	35.6	38.1	40.6	43.6	48.1	2
8.3	10.8	12.8	14.3	16.3	18.3	20.8	22.8	25.3	29.3	32.8	35.3	37.8	40.3	43.3	47.8	3
8.0	10.5	12.5	14.0	16.0	18.0	20.5	22.5	25.0	29.0	32.5	35.0	37.5	40.0	43.0	47.5	4
7.7	10.2	12.2	13.7	15.7	17.7	20.2	22.2	24.7	28.7	32.2	34.7	37.2	39.7	42.7	47.2	5
0.80	0.84	0.86	0.88	0.90	0.92	0.94	0.95	0.97	.00	.02	1.03	1.04	1.05	1.07	1.09	
7.4	9.9	11.9	13.4	15.4	17.4	19.9	21.9	24.4	28.4	31.9	34.4	36.9	39.4	42.4	46.9	6
7.1	9.6	11.6	13.1	15.1	17.1	19.6	21.6	24.1	28.1	31.6	34.1	36.6	39.1	42.1	46.6	7
6.7	9.2	11.2	12.7	14.7	16.7	19.2	21.2	23.7	27.7	31.2	33.7	36.2	38.7	41.7	46.2	8
6.4	8.9	10.9	12.4	14.4	16.4	18.9	20.9	23.4	27.4	30.9	33.4	35.9	38.4	41.4	45.9	9
--	8.6	10.6	12.1	14.1	16.1	18.6	20.6	23.1	27.1	30.6	33.1	35.6	38.1	41.1	45.6	10
0.80	0.84	0.86	0.88	0.90	0.92	0.94	0.95	0.97	1.00	1.02	1.03	1.04	1.05	1.07	1.09	
--	8.3	10.3	11.8	13.8	15.8	18.3	20.3	22.8	26.8	30.3	32.8	35.3	37.8	40.8	45.3	11
--	8.0	10.0	11.5	13.5	15.5	18.0	20.0	22.5	26.5	30.0	32.5	35.0	37.5	40.5	45.0	12
--	7.7	9.7	11.2	13.2	15.2	17.7	19.7	22.2	26.2	29.7	32.2	34.7	37.2	40.2	44.7	13
--	7.4	9.4	10.9	12.9	14.9	17.4	19.4	21.9	25.9	29.4	31.9	34.4	36.9	39.9	44.4	14
--	--	9.0	10.5	12.5	14.5	17.0	19.0	21.5	25.5	29.0	31.5	34.0	36.5	39.5	44.0	15
0.00	0.84	0.86	0.88	0.90	0.92	0.94	0.95	0.97	1.00	1.02	1.03	1.04	1.05	1.07	1.09	
--	--	8.7	10.2	12.2	14.2	16.7	18.7	21.2	25.2	28.7	31.2	33.7	36.2	39.2	43.7	16
--	--	8.4	9.9	11.9	13.9	16.4	18.4	20.9	24.9	28.4	30.9	33.4	35.9	38.9	43.4	17
--	--	--	9.6	11.6	13.6	16.1	18.1	20.6	24.6	28.1	30.6	33.1	35.6	38.6	43.1	18
--	--	--	9.3	11.3	13.3	15.8	17.8	20.3	24.3	27.8	30.3	32.8	35.3	38.3	42.8	19
--	--	--	--	10.7	12.7	15.2	17.2	19.7	23.7	27.2	29.7	32.2	34.7	37.7	42.2	20
0.00	0.00	0.86	0.88	0.90	0.92	0.94	0.95	0.97	1.00	1.02	1.03	1.04	1.05	1.07	1.09	
--	--	--	9.4	11.4	13.4	15.9	17.9	20.4	24.4	27.9	30.4	32.9	35.4	38.4	42.9	21
--	--	8.3	9.8	11.8	13.8	16.3	18.3	20.8	24.8	28.3	30.8	33.3	35.8	38.8	43.3	22
--	--	8.6	10.1	12.1	14.1	16.6	18.6	21.1	25.1	28.6	31.1	33.6	36.1	39.1	43.6	23
--	--	8.9	10.4	12.4	14.4	16.9	18.9	21.4	25.4	28.9	31.4	33.9	36.4	39.4	43.9	24
--	--	9.2	10.7	12.7	14.7	17.2	19.2	21.7	25.7	29.2	31.7	34.2	36.7	39.7	44.2	25
0.00	0.00	0.86	0.88	0.90	0.92	0.94	0.95	0.97	1.00	1.02	1.03	1.04	1.05	1.07	1.09	
--	7.5	9.5	11.0	13.0	15.0	17.5	19.5	22.0	26.0	29.5	32.0	34.5	37.0	40.0	44.5	26
--	7.8	9.8	11.3	13.3	15.3	17.8	19.8	22.3	26.3	29.8	32.3	34.8	37.3	40.3	44.8	27
--	8.1	10.1	11.6	13.6	15.6	18.1	20.1	22.6	26.6	30.1	32.6	35.1	37.6	40.6	45.1	28
--	8.5	10.5	12.0	14.0	16.0	18.5	20.5	23.0	27.0	30.5	33.0	35.5	38.0	41.0	45.5	29
--	8.8	10.8	12.3	14.3	16.3	18.8	20.8	23.3	27.3	30.8	33.3	35.8	38.3	41.3	45.8	30
0.00	0.84	0.86	0.88	0.90	0.92	0.94	0.95	0.97	1.00	1.02	1.03	1.04	1.05	1.07	1.09	
6.6	9.1	11.1	12.6	14.6	16.6	19.1	21.1	23.6	27.6	31.1	33.6	36.1	38.6	41.6	46.1	31
6.9	9.4	11.4	12.9	14.9	16.9	19.4	21.4	23.9	27.9	31.4	33.9	36.4	38.9	41.9	46.4	32
7.2	9.7	11.7	13.2	15.2	17.2	19.7	21.7	24.2	28.2	31.7	34.2	36.7	39.2	42.2	46.7	33
7.5	10.0	12.0	13.5	15.5	17.5	20.0	22.0	24.5	28.5	32.0	34.5	37.0	39.5	42.5	47.0	34
7.8	10.3	12.3	13.8	15.8	17.8	20.3	22.3	24.8	28.8	32.3	34.8	37.3	39.8	42.8	47.3	35
0.80	0.84	0.86	0.88	0.90	0.92	0.94	0.95	0.97	1.00	1.02	1.03	1.04	1.05	1.07	1.09	
8.2	10.7	12.7	14.2	16.2	18.2	20.7	22.7	25.2	29.2	32.7	35.2	37.7	40.2	43.2	47.7	36
8.5	11.0	13.0	14.5	16.5	18.5	21.0	23.0	25.5	29.5	33.0	35.5	38.0	40.5	43.5	48.0	37
--	--	--	9.0	11.0	13.0	15.5	17.5	20.0	24.0	27.5	30.0	32.5	35.0	38.0	42.5	38
8.8	11.3	13.3	14.8	16.8	18.8	21.3	23.3	25.8	29.8	33.3	35.8	38.3	40.8	43.8	48.3	39
--	--	--	9.6	11.6	13.6	16.1	18.1	20.6	24.6	28.1	30.6	33.1	35.6	38.6	43.1	40
0.80	0.84	0.86	0.88	0.90	0.92	0.94	0.95	0.97	1.00	1.02	1.03	1.04	1.05	1.07	1.09	
--	--	8.4	9.9	11.9	13.9	16.4	18.4	20.9	24.9	28.4	30.9	33.4	35.9	38.9	43.4	41
--	--	8.7	10.2	12.2	14.2	16.7	18.7	21.2	25.2	28.7	31.2	33.7	36.2	39.2	43.7	42
--	--	9.0	10.5	12.5	14.5	17.0	19.0	21.5	25.5	29.0	31.5	34.0	36.5	39.5	44.0	43
--	7.4	9.4	10.9	12.9	14.9	17.4	19.4	21.9	25.9	29.4	31.9	34.4	36.9	39.9	44.4	44
--	7.7	9.7	11.2	13.2	15.2	17.7	19.7	22.2	26.2	29.7	32.2	34.7	37.2	40.2	44.7	45
0.00	0.83	0.86	0.88	0.90	0.92	0.94	0.95	0.97	1.00	1.02	1.03	1.04	1.05	1.07	1.09	
--	8.0	10.0	11.5	13.5	15.5	18.0	20.0	22.5	26.5	30.0	32.5	35.0	37.5	40.5	45.0	46
--	8.3	10.3	11.8	13.8	15.8	18.3	20.3	22.8	26.8	30.3	32.8	35.3	37.8	40.8	45.3	47
--	8.6	10.6	12.1	14.1	16.1	18.6	20.6	23.1	27.1	30.6	33.1	35.6	38.1	41.1	45.6	48
--	--	--	--	10.2	12.2	14.7	16.7	19.2	23.2	26.7	29.2	31.7	34.2	37.2	41.7	49
6.4	8.9	10.9	12.4	14.4	16.4	18.9	20.9	23.4	27.4	30.9	33.4	35.9	38.4	41.4	45.9	50
0.80	0.83	0.86	0.88	0.90	0.92	0.94	0.95	0.97	1.00	1.02	1.03	1.04	1.05	1.07	1.08	

▲ Not all available belt lengths are shown.
 ■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						AP	AX		AP	AX		AP	AX
51	1.09	4.20	4.60	1-6	1064	3.23	3.51	1606	4.42	4.87	3211	6.75	7.86
52	1.09	6.40	7.00	1-8,10	1064	5.84	6.15	1605	7.99	8.53	--	--	--
53	1.09	4.00	4.40	1-6	1060	2.99	3.27	1599	4.08	4.52	3199	6.23	7.31
54	1.10	6.00	6.60	1-8,10	1058	5.38	5.69	1597	7.38	7.90	3193	10.70	12.31
55	1.10	3.80	4.20	1-6	1056	2.74	3.02	1593	3.74	4.17	3185	5.70	6.74
56	1.10	5.80	6.40	1-8,10	1055	5.15	5.45	1592	7.07	7.58	3184	10.35	11.89
57	1.10	5.60	6.20	1-8,10	1052	4.92	5.22	1587	6.76	7.25	3174	9.98	11.45
58	1.10	3.60	4.00	1-6	1051	2.49	2.77	1585	3.39	3.82	3171	5.15	6.16
59	1.11	5.40	6.00	1-8,10	1049	4.69	4.98	1582	6.44	6.93	3164	9.59	11.00
60	1.11	3.40	3.80	1-6	1045	2.25	2.52	1577	3.04	3.47	3154	4.58	5.57
61	1.11	5.20	5.80	1-8,10	1045	4.46	4.75	1576	6.12	6.60	3153	9.18	10.53
62	1.11	5.00	5.60	1-8,10	1041	4.22	4.51	1571	5.80	6.27	3141	8.75	10.04
63	1.12	3.20	3.60	1-6	1039	2.00	2.27	1568	2.69	3.11	3136	4.01	4.97
64	1.12	4.80	5.40	1-6	1037	3.98	4.27	1564	5.47	5.94	3128	8.30	9.55
65	1.12	3.00	3.40	1-6	1033	1.75	2.02	1558	2.33	2.75	3116	3.42	4.35
66	1.12	4.60	5.20	1-6	1032	3.75	4.03	1557	5.14	5.60	3115	7.84	9.03
67	1.12	6.20	7.00	1-8,10	1032	5.64	5.94	1557	7.73	8.25	3114	11.11	12.79
68	1.13	4.40	5.00	1-6	1027	3.51	3.79	1550	4.81	5.26	3100	7.36	8.51
69	1.13	5.80	6.60	1-8,10	1025	5.18	5.48	1546	7.11	7.61	3091	10.43	11.97
70	1.13	4.20	4.80	1-6	1022	3.27	3.54	1542	4.47	4.92	3084	6.86	7.97
71	1.14	5.60	6.40	1-8,10	1020	4.95	5.24	1539	6.80	7.29	3079	10.06	11.53
72	1.14	4.00	4.60	1-6	1016	3.02	3.30	1534	4.13	4.57	3067	6.34	7.41
73	1.14	5.40	6.20	1-8,10	1016	4.72	5.01	1533	6.48	6.97	3066	9.67	11.07
74	1.15	6.60	7.60	1-8,10	1012	6.11	6.42	1527	8.36	8.90	--	--	--
75	1.15	5.20	6.00	1-8,10	1012	4.48	4.77	1526	6.16	6.64	3052	9.26	10.61
76	1.15	3.80	4.40	1-6	1010	2.78	3.05	1524	3.79	4.23	3048	5.81	6.85
77	1.15	5.00	5.80	1-8,10	1007	4.25	4.53	1519	5.84	6.31	3037	8.84	10.12
78	1.16	3.60	4.20	1-6	1004	2.53	2.81	1514	3.45	3.88	3028	5.27	6.27
79	1.16	4.80	5.60	1-6	1001	4.01	4.30	1511	5.52	5.98	3021	8.39	9.62
80	1.16	6.00	7.00	1-8,10	1000	5.43	5.73	1509	7.46	7.96	3017	10.85	12.45
81	1.16	3.40	4.00	1-6	996	2.29	2.56	1503	3.10	3.52	3006	4.70	5.68
82	1.16	4.60	5.40	1-6	996	3.78	4.06	1502	5.19	5.64	3004	7.93	9.11
83	1.17	7.00	8.20	1-8,10	995	6.58	6.89	1501	8.98	9.54	--	--	--
84	1.17	5.60	6.60	1-8,10	991	4.97	5.26	1495	6.83	7.32	2989	10.13	11.59
85	1.17	4.40	5.20	1-6	990	3.54	3.81	1493	4.85	5.30	2986	7.44	8.59
86	1.17	3.20	3.80	1-6	988	2.04	2.31	1491	2.75	3.17	2981	4.13	5.08
87	1.18	5.40	6.40	1-8,10	986	4.74	5.03	1487	6.52	7.00	2974	9.74	11.14
88	1.18	4.20	5.00	1-6	983	3.30	3.57	1483	4.52	4.96	2967	6.95	8.05
89	1.18	6.40	7.60	1-8,10	983	5.91	6.21	1482	8.09	8.62	--	--	--
90	1.18	5.20	6.20	1-8,10	980	4.51	4.79	1479	6.20	6.67	2957	9.33	10.67
91	1.18	3.00	3.60	1-6	979	1.79	2.06	1477	2.39	2.81	2955	3.54	4.47
92	1.19	4.00	4.80	1-6	976	3.05	3.33	1473	4.18	4.62	2946	6.43	7.50
93	1.19	5.00	6.00	1-8,10	974	4.27	4.56	1470	5.88	6.34	2940	8.91	10.19
94	1.20	3.80	4.60	1-6	969	2.81	3.08	1461	3.84	4.27	2923	5.90	6.93
95	1.20	4.80	5.80	1-6	968	4.04	4.32	1461	5.55	6.01	2921	8.46	9.69
96	1.20	5.80	7.00	1-8,10	968	5.22	5.52	1460	7.18	7.67	2921	10.56	12.08
97	1.21	4.60	5.60	1-6	962	3.80	4.08	1451	5.22	5.67	2902	8.00	9.18
98	1.21	3.60	4.40	1-6	960	2.56	2.83	1449	3.49	3.92	2898	5.36	6.35
99	1.21	5.40	6.60	1-8,10	957	4.76	5.05	1443	6.55	7.03	2887	9.80	11.19
100	1.22	4.40	5.40	1-6	955	3.56	3.84	1440	4.89	5.33	2881	7.52	8.65

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲																LINE #
A26	A31	A35	A38	A42	A46	A51	A55	A60	A68	A75	A80	A85	A90	A96	A105	
6.7	9.2	11.2	12.7	14.7	16.7	19.2	21.2	23.7	27.7	31.2	33.7	36.2	38.7	41.7	46.2	51
--	--	--	9.1	11.1	13.1	15.6	17.6	20.1	24.1	27.6	30.1	32.6	35.1	38.1	42.6	52
7.0	9.6	11.6	13.1	15.1	17.1	19.6	21.6	24.1	28.1	31.6	34.1	36.6	39.1	42.1	46.6	53
--	--	8.2	9.7	11.8	13.8	16.3	18.3	20.8	24.8	28.3	30.8	33.3	35.8	38.8	43.3	54
7.4	9.9	11.9	13.4	15.4	17.4	19.9	21.9	24.4	28.4	31.9	34.4	36.9	39.4	42.4	46.9	55
■ 0.80	0.84	0.86	0.88	0.90	0.91	0.94	0.95	0.97	1.00	1.02	1.03	1.04	1.05	1.07	1.08 ■	
--	--	8.6	10.1	12.1	14.1	16.6	18.6	21.1	25.1	28.6	31.1	33.6	36.1	39.1	43.6	56
--	--	8.9	10.4	12.4	14.4	16.9	18.9	21.4	25.4	28.9	31.4	33.9	36.4	39.4	43.9	57
7.7	10.2	12.2	13.7	15.7	17.7	20.2	22.2	24.7	28.7	32.2	34.7	37.2	39.7	42.7	47.2	58
--	--	9.2	10.7	12.7	14.7	17.2	19.2	21.7	25.7	29.2	31.7	34.2	36.7	39.7	44.2	59
8.0	10.5	12.5	14.0	16.0	18.0	20.5	22.5	25.0	29.0	32.5	35.0	37.5	40.0	43.0	47.5	60
■ 0.80	0.84	0.86	0.88	0.90	0.91	0.94	0.95	0.97	1.00	1.02	1.03	1.04	1.05	1.07	1.08 ■	
--	7.5	9.5	11.0	13.0	15.0	17.5	19.5	22.0	26.0	29.5	32.0	34.5	37.0	40.0	44.5	61
--	7.8	9.8	11.3	13.3	15.3	17.8	19.8	22.3	26.3	29.8	32.3	34.8	37.3	40.3	44.8	62
8.3	10.8	12.8	14.3	16.3	18.3	20.8	22.8	25.3	29.3	32.8	35.3	37.8	40.3	43.3	47.8	63
--	8.1	10.1	11.6	13.6	15.6	18.1	20.1	22.6	26.6	30.1	32.6	35.1	37.6	40.6	45.1	64
8.6	11.1	13.1	14.6	16.6	18.6	21.1	23.1	25.6	29.6	33.1	35.6	38.1	40.6	43.6	48.1	65
■ 0.80	0.83	0.86	0.88	0.90	0.91	0.94	0.95	0.97	1.00	1.02	1.03	1.04	1.05	1.07	1.08 ■	
--	8.4	10.4	11.9	13.9	16.0	18.5	20.5	23.0	27.0	30.5	33.0	35.5	38.0	41.0	45.5	66
--	--	--	9.3	11.3	13.3	15.8	17.8	20.3	24.3	27.8	30.3	32.8	35.3	38.3	42.8	67
--	8.8	10.8	12.3	14.3	16.3	18.8	20.8	23.3	27.3	30.8	33.3	35.8	38.3	41.3	45.8	68
--	--	8.4	9.9	11.9	13.9	16.4	18.4	20.9	24.9	28.4	30.9	33.4	35.9	38.9	43.4	69
6.6	9.1	11.1	12.6	14.6	16.6	19.1	21.1	23.6	27.6	31.1	33.6	36.1	38.6	41.6	46.1	70
■ 0.80	0.83	0.86	0.87	0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.04	1.05	1.07	1.08 ■	
--	--	8.7	10.2	12.2	14.2	16.7	18.7	21.2	25.2	28.7	31.2	33.7	36.2	39.2	43.7	71
6.9	9.4	11.4	12.9	14.9	16.9	19.4	21.4	23.9	27.9	31.4	33.9	36.4	38.9	41.9	46.4	72
--	--	9.0	10.5	12.5	14.5	17.0	19.0	21.5	25.5	29.0	31.5	34.0	36.5	39.5	44.0	73
--	--	--	--	10.5	12.5	15.0	17.0	19.5	23.5	27.0	29.5	32.0	34.5	37.5	42.0	74
--	--	9.3	10.8	12.8	14.8	17.3	19.3	21.8	25.8	29.3	31.8	34.3	36.8	39.8	44.3	75
■ 0.80	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.04	1.05	1.07	1.08 ■	
7.2	9.7	11.7	13.2	15.2	17.2	19.7	21.7	24.2	28.2	31.7	34.2	36.7	39.2	42.2	46.7	76
--	7.7	9.7	11.2	13.2	15.2	17.7	19.7	22.2	26.2	29.7	32.2	34.7	37.2	40.2	44.7	77
7.5	10.0	12.0	13.5	15.5	17.5	20.0	22.0	24.5	28.5	32.0	34.5	37.0	39.5	42.5	47.0	78
--	8.0	10.0	11.5	13.5	15.5	18.0	20.0	22.5	26.5	30.0	32.5	35.0	37.5	40.5	45.0	79
--	--	--	9.4	11.4	13.4	15.9	17.9	20.4	24.4	27.9	30.4	32.9	35.4	38.4	42.9	80
■ 0.80	0.83	0.86	0.87	0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.04	1.05	1.07	1.08 ■	
7.8	10.3	12.3	13.8	15.8	17.8	20.3	22.3	24.8	28.8	32.3	34.8	37.3	39.8	42.8	47.3	81
--	8.3	10.3	11.8	13.8	15.8	18.3	20.3	22.8	26.8	30.3	32.8	35.3	37.8	40.8	45.3	82
--	--	--	--	9.7	11.7	14.2	16.2	18.7	22.7	26.2	28.7	31.2	33.7	36.7	41.2	83
--	--	8.6	10.1	12.1	14.1	16.6	18.6	21.1	25.1	28.6	31.1	33.6	36.1	39.1	43.6	84
--	8.6	10.6	12.1	14.1	16.1	18.6	20.6	23.1	27.1	30.6	33.1	35.6	38.1	41.1	45.6	85
■ 0.80	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.04	1.05	1.06	1.08 ■	
8.1	10.6	12.6	14.1	16.1	18.1	20.7	22.7	25.2	29.2	32.7	35.2	37.7	40.2	43.2	47.7	86
--	--	8.9	10.4	12.4	14.4	16.9	18.9	21.4	25.4	28.9	31.4	33.9	36.4	39.4	43.9	87
6.4	8.9	10.9	12.4	14.4	16.4	18.9	20.9	23.4	27.4	30.9	33.4	35.9	38.4	41.4	45.9	88
--	--	--	--	10.6	12.6	15.1	17.1	19.6	23.6	27.1	29.6	32.1	34.6	37.6	42.2	89
--	--	9.2	10.7	12.7	14.7	17.2	19.2	21.7	25.7	29.2	31.7	34.2	36.7	39.7	44.2	90
■ 0.79	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.04	1.05	1.06	1.08 ■	
8.5	11.0	13.0	14.5	16.5	18.5	21.0	23.0	25.5	29.5	33.0	35.5	38.0	40.5	43.5	48.0	91
6.7	9.2	11.2	12.7	14.7	16.7	19.2	21.2	23.7	27.7	31.2	33.7	36.2	38.7	41.7	46.2	92
--	7.5	9.5	11.0	13.0	15.0	17.5	19.5	22.0	26.0	29.5	32.0	34.5	37.0	40.0	44.5	93
7.0	9.5	11.5	13.0	15.0	17.0	19.5	21.5	24.0	28.0	31.6	34.1	36.6	39.1	42.1	46.6	94
--	7.8	9.8	11.3	13.3	15.3	17.8	19.8	22.3	26.3	29.8	32.3	34.8	37.3	40.3	44.8	95
■ 0.79	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.04	1.05	1.07	1.08 ■	
--	--	--	9.6	11.6	13.6	16.1	18.1	20.6	24.6	28.1	30.6	33.1	35.6	38.6	43.1	96
--	8.1	10.1	11.6	13.6	15.6	18.1	20.1	22.6	26.6	30.1	32.6	35.1	37.6	40.6	45.1	97
7.4	9.9	11.9	13.4	15.4	17.4	19.9	21.9	24.4	28.4	31.9	34.4	36.9	39.4	42.4	46.9	98
--	--	8.7	10.2	12.2	14.2	16.7	18.7	21.2	25.2	28.7	31.2	33.7	36.2	39.2	43.7	99
--	8.4	10.4	11.9	13.9	15.9	18.4	20.4	22.9	26.9	30.4	32.9	35.4	37.9	41.0	45.5	100
■ 0.79	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.04	1.05	1.06	1.08 ■	

▲ Not all available belt lengths are shown.

■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						AP	AX		AP	AX		AP	AX
101	1.22	6.20	7.60	1-8,10	953	5.70	5.99	1438	7.81	8.33	2876	11.28	12.95
102	1.22	3.40	4.20	1-6	951	2.32	2.59	1435	3.15	3.57	2871	4.80	5.76
103	1.22	5.20	6.40	1-8,10	951	4.53	4.81	1434	6.23	6.70	2868	9.39	10.72
104	1.22	4.20	5.20	1-6	947	3.32	3.59	1429	4.55	4.99	2858	7.02	8.11
105	1.23	5.00	6.20	1-8,10	944	4.29	4.57	1424	5.91	6.37	2849	8.96	10.24
106	1.23	3.20	4.00	1-6	942	2.07	2.34	1421	2.79	3.21	2841	4.22	5.16
107	1.23	6.60	8.20	1-8,10	940	6.16	6.46	1419	8.44	8.97	--	--	--
108	1.24	4.00	5.00	1-6	939	3.08	3.35	1417	4.22	4.65	2833	6.50	7.56
109	1.24	4.80	6.00	1-6	937	4.06	4.33	1414	5.58	6.03	2828	8.52	9.74
110	1.24	5.60	7.00	1-8,10	936	5.01	5.30	1412	6.89	7.37	2824	10.24	11.69
111	1.25	3.00	3.80	1-6	931	1.82	2.08	1404	2.44	2.85	2809	3.63	4.55
112	1.25	3.80	4.80	1-6	930	2.83	3.10	1403	3.87	4.30	2807	5.97	6.99
113	1.25	4.60	5.80	1-6	930	3.82	4.09	1403	5.25	5.70	2806	8.06	9.23
114	1.26	6.00	7.60	1-8,10	924	5.48	5.78	1393	7.53	8.03	2787	11.00	12.58
115	1.26	5.20	6.60	1-8,10	923	4.54	4.83	1392	6.25	6.72	2785	9.44	10.77
116	1.26	4.40	5.60	1-6	922	3.58	3.85	1391	4.92	5.36	2782	7.57	8.70
117	1.26	3.60	4.60	1-6	921	2.59	2.86	1389	3.53	3.95	2778	5.43	6.42
118	1.27	5.00	6.40	1-8,10	916	4.31	4.59	1382	5.93	6.39	2763	9.01	10.28
119	1.27	4.20	5.40	1-6	914	3.34	3.61	1378	4.58	5.02	2757	7.08	8.16
120	1.27	6.40	8.20	1-8,10	913	5.95	6.25	1377	8.16	8.68	--	--	--
121	1.27	3.40	4.40	1-6	911	2.34	2.61	1374	3.18	3.60	2747	4.87	5.83
122	1.28	7.00	9.00	1-8,10	909	6.63	6.94	1372	9.06	9.61	--	--	--
123	1.28	4.80	6.20	1-6	908	4.07	4.35	1370	5.60	6.06	2740	8.57	9.78
124	1.28	4.00	5.20	1-6	905	3.10	3.37	1365	4.24	4.67	2729	6.56	7.61
125	1.28	5.40	7.00	1-8,10	904	4.79	5.07	1364	6.59	7.07	2728	9.89	11.27
126	1.29	4.60	6.00	1-6	900	3.83	4.11	1358	5.28	5.72	2716	8.10	9.27
127	1.29	3.20	4.20	1-6	899	2.09	2.36	1357	2.83	3.24	2713	4.29	5.22
128	1.30	3.80	5.00	1-6	895	2.85	3.12	1350	3.90	4.33	2700	6.03	7.04
129	1.30	5.80	7.60	1-8,10	894	5.27	5.55	1349	7.24	7.73	2697	10.69	12.19
130	1.30	4.40	5.80	1-6	892	3.60	3.87	1345	4.94	5.38	2690	7.62	8.75
131	1.30	5.00	6.60	1-8,10	889	4.32	4.60	1341	5.95	6.41	2682	9.06	10.32
132	1.31	3.00	4.00	1-6	887	1.84	2.10	1338	2.47	2.88	2676	3.70	4.61
133	1.31	6.20	8.20	1-8,10	885	5.73	6.03	1336	7.87	8.38	2672	11.40	13.05
134	1.31	3.60	4.80	1-6	884	2.61	2.87	1334	3.56	3.97	2668	5.48	6.47
135	1.31	4.20	5.60	1-6	882	3.35	3.62	1331	4.61	5.04	2662	7.12	8.21
136	1.32	4.80	6.40	1-6	881	4.09	4.36	1329	5.63	6.07	2658	8.61	9.82
137	1.33	3.40	4.60	1-6	873	2.36	2.62	1317	3.21	3.62	2634	4.92	5.87
138	1.33	4.00	5.40	1-6	873	3.11	3.38	1316	4.27	4.69	2633	6.61	7.65
139	1.33	4.60	6.20	1-6	872	3.85	4.12	1316	5.30	5.74	2632	8.14	9.31
140	1.33	5.20	7.00	1-8,10	872	4.57	4.85	1316	6.29	6.75	2631	9.52	10.83
141	1.34	5.60	7.60	1-8,10	864	5.05	5.33	1304	6.94	7.42	2608	10.35	11.78
142	1.34	4.40	6.00	1-6	863	3.61	3.88	1302	4.96	5.40	2604	7.66	8.78
143	1.35	3.80	5.20	1-6	862	2.87	3.13	1300	3.93	4.34	2601	6.08	7.08
144	1.35	3.20	4.40	1-6	861	2.11	2.37	1298	2.86	3.26	2597	4.35	5.27
145	1.35	6.60	9.00	1-8,10	859	6.20	6.50	1296	8.50	9.03	--	--	--
146	1.35	6.00	8.20	1-8,10	858	5.52	5.80	1294	7.58	8.07	2589	11.10	12.67
147	1.36	4.80	6.60	1-6	855	4.10	4.37	1290	5.64	6.09	2580	8.64	9.85
148	1.36	4.20	5.80	1-6	853	3.37	3.63	1287	4.63	5.05	2574	7.16	8.24
149	1.36	3.60	5.00	1-6	851	2.62	2.88	1283	3.58	3.99	2567	5.53	6.50
150	1.37	3.00	4.20	1-6	847	1.86	2.12	1278	2.50	2.90	2556	3.76	4.66

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲																LINE #
A26	A31	A35	A38	A42	A46	A51	A55	A60	A68	A75	A80	A85	A90	A96	A105	
--	--	--	8.8	10.8	12.8	15.3	17.3	19.8	23.8	27.3	29.8	32.3	34.8	37.8	42.3	101
7.7	10.2	12.2	13.7	15.7	17.7	20.2	22.2	24.7	28.7	32.2	34.7	37.2	39.7	42.7	47.2	102
--	--	9.0	10.5	12.5	14.5	17.0	19.0	21.5	25.5	29.0	31.5	34.0	36.5	39.5	44.0	103
--	8.8	10.8	12.3	14.3	16.3	18.8	20.8	23.3	27.3	30.8	33.3	35.8	38.3	41.3	45.8	104
--	--	9.3	10.8	12.8	14.8	17.3	19.3	21.8	25.8	29.3	31.8	34.3	36.8	39.8	44.3	105
■ 0.79	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.04	1.05	1.06	1.08 ■	
8.0	10.5	12.5	14.0	16.0	18.0	20.5	22.5	25.0	29.0	32.5	35.0	37.5	40.0	43.0	47.5	106
--	--	--	--	10.0	12.0	14.5	16.5	19.0	23.0	26.5	29.0	31.5	34.0	37.0	41.5	107
6.6	9.1	11.1	12.6	14.6	16.6	19.1	21.1	23.6	27.6	31.1	33.6	36.1	38.6	41.6	46.1	108
--	7.6	9.6	11.2	13.2	15.2	17.7	19.7	22.2	26.2	29.7	32.2	34.7	37.2	40.2	44.7	109
--	--	8.2	9.7	11.7	13.7	16.2	18.2	20.7	24.7	28.2	30.7	33.2	35.7	38.7	43.2	110
■ 0.79	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.04	1.05	1.06	1.08 ■	
8.3	10.8	12.8	14.3	16.3	18.3	20.8	22.8	25.3	29.3	32.8	35.3	37.8	40.3	43.3	47.8	111
6.9	9.4	11.4	12.9	14.9	16.9	19.4	21.4	23.9	27.9	31.4	33.9	36.4	38.9	41.9	46.4	112
--	8.0	10.0	11.5	13.5	15.5	18.0	20.0	22.5	26.5	30.0	32.5	35.0	37.5	40.5	45.0	113
--	--	--	8.9	10.9	12.9	15.4	17.5	20.0	24.0	27.5	30.0	32.5	35.0	38.0	42.5	114
--	--	8.9	10.4	12.4	14.4	16.9	18.9	21.4	25.4	28.9	31.4	33.9	36.4	39.4	43.9	115
■ 0.79	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.04	1.05	1.06	1.08 ■	
--	8.3	10.3	11.8	13.8	15.8	18.3	20.3	22.8	26.8	30.3	32.8	35.3	37.8	40.8	45.3	116
7.2	9.7	11.7	13.2	15.2	17.2	19.7	21.7	24.2	28.2	31.7	34.2	36.7	39.2	42.2	46.7	117
--	--	9.2	10.7	12.7	14.7	17.2	19.2	21.7	25.7	29.2	31.7	34.2	36.7	39.7	44.2	118
--	8.6	10.6	12.1	14.1	16.1	18.6	20.6	23.1	27.1	30.6	33.1	35.6	38.1	41.1	45.6	119
--	--	--	--	10.1	12.1	14.7	16.7	19.2	23.2	26.7	29.2	31.7	34.2	37.2	41.7	120
■ 0.79	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.96	0.99	1.01	1.03	1.04	1.05	1.06	1.08 ■	
7.5	10.0	12.0	13.5	15.5	17.5	20.0	22.0	24.5	28.5	32.0	34.5	37.0	39.5	42.5	47.0	121
--	--	--	--	--	11.0	13.5	15.6	18.1	22.1	25.6	28.1	30.6	33.1	36.1	40.6	122
--	7.5	9.5	11.0	13.0	15.0	17.5	19.5	22.0	26.0	29.5	32.0	34.5	37.0	40.0	44.5	123
6.4	8.9	10.9	12.4	14.4	16.4	18.9	20.9	23.4	27.4	30.9	33.4	35.9	38.4	41.4	45.9	124
--	--	8.4	9.9	11.9	13.9	16.4	18.4	20.9	24.9	28.4	30.9	33.4	35.9	38.9	43.4	125
■ 0.79	0.82	0.85	0.87	0.89	0.91	0.93	0.94	0.96	0.99	1.01	1.02	1.04	1.05	1.06	1.08 ■	
--	7.8	9.8	11.3	13.3	15.3	17.8	19.8	22.3	26.3	29.8	32.3	34.8	37.3	40.3	44.8	126
7.8	10.3	12.3	13.8	15.8	17.8	20.3	22.3	24.8	28.8	32.3	34.8	37.3	39.8	42.8	47.3	127
6.7	9.2	11.2	12.7	14.7	16.7	19.2	21.2	23.7	27.7	31.2	33.7	36.2	38.7	41.7	46.2	128
--	--	--	9.1	11.1	13.1	15.6	17.6	20.1	24.1	27.6	30.1	32.6	35.1	38.1	42.6	129
--	8.1	10.1	11.6	13.6	15.6	18.1	20.1	22.6	26.6	30.1	32.6	35.1	37.6	40.6	45.1	130
■ 0.79	0.82	0.85	0.87	0.89	0.91	0.93	0.95	0.96	0.99	1.01	1.03	1.04	1.05	1.06	1.08 ■	
--	--	9.0	10.5	12.5	14.5	17.0	19.0	21.5	25.5	29.0	31.5	34.0	36.5	39.5	44.0	131
8.1	10.6	12.6	14.1	16.1	18.1	20.6	22.6	25.1	29.1	32.6	35.1	37.6	40.1	43.1	47.6	132
--	--	--	--	10.3	12.3	14.8	16.8	19.3	23.3	26.8	29.3	31.8	34.3	37.3	41.8	133
7.0	9.5	11.5	13.0	15.0	17.0	19.5	21.5	24.0	28.0	31.5	34.0	36.5	39.0	42.0	46.5	134
--	8.4	10.4	11.9	13.9	15.9	18.4	20.4	22.9	26.9	30.4	32.9	35.4	37.9	40.9	45.4	135
■ 0.79	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.96	0.99	1.01	1.02	1.04	1.05	1.06	1.08 ■	
--	--	9.3	10.8	12.8	14.8	17.3	19.3	21.8	25.8	29.3	31.8	34.3	36.8	39.8	44.3	136
7.3	9.8	11.9	13.4	15.4	17.4	19.9	21.9	24.4	28.4	31.9	34.4	36.9	39.4	42.4	46.9	137
--	8.7	10.7	12.2	14.3	16.3	18.8	20.8	23.3	27.3	30.8	33.3	35.8	38.3	41.3	45.8	138
--	7.6	9.6	11.1	13.1	15.1	17.6	19.7	22.2	26.2	29.7	32.2	34.7	37.2	40.2	44.7	139
--	--	8.5	10.0	12.0	14.0	16.5	18.5	21.0	25.0	28.5	31.0	33.5	36.0	39.0	43.5	140
■ 0.79	0.82	0.85	0.86	0.89	0.91	0.93	0.95	0.96	0.99	1.01	1.02	1.04	1.05	1.06	1.08 ■	
--	--	--	9.2	11.2	13.2	15.8	17.8	20.3	24.3	27.8	30.3	32.8	35.3	38.3	42.8	141
--	7.9	9.9	11.5	13.5	15.5	18.0	20.0	22.5	26.5	30.0	32.5	35.0	37.5	40.5	45.0	142
6.5	9.1	11.1	12.6	14.6	16.6	19.1	21.1	23.6	27.6	31.1	33.6	36.1	38.6	41.6	46.1	143
7.7	10.2	12.2	13.7	15.7	17.7	20.2	22.2	24.7	28.7	32.2	34.7	37.2	39.7	42.7	47.2	144
--	--	--	--	--	11.3	13.8	15.9	18.4	22.4	25.9	28.4	30.9	33.4	36.4	40.9	145
■ 0.78	0.82	0.85	0.86	0.89	0.90	0.93	0.94	0.96	0.99	1.01	1.02	1.04	1.05	1.06	1.08 ■	
--	--	--	--	10.4	12.4	15.0	17.0	19.5	23.5	27.0	29.5	32.0	34.5	37.5	42.0	146
--	--	9.2	10.7	12.7	14.7	17.2	19.2	21.7	25.7	29.2	31.7	34.2	36.7	39.7	44.2	147
--	8.3	10.3	11.8	13.8	15.8	18.3	20.3	22.8	26.8	30.3	32.8	35.3	37.8	40.8	45.3	148
6.9	9.4	11.4	12.9	14.9	16.9	19.4	21.4	23.9	27.9	31.4	33.9	36.4	38.9	41.9	46.4	149
8.0	10.5	12.5	14.0	16.0	18.0	20.5	22.5	25.0	29.0	32.5	35.0	37.5	40.0	43.0	47.5	150
■ 0.79	0.82	0.85	0.87	0.89	0.91	0.93	0.94	0.96	0.99	1.01	1.02	1.04	1.05	1.06	1.08 ■	

▲ Not all available belt lengths are shown.

■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						AP	AX		AP	AX		AP	AX
151	1.37	4.60	6.40	1-6	846	3.86	4.13	1276	5.31	5.75	2553	8.18	9.34
152	1.38	4.00	5.60	1-6	843	3.12	3.39	1271	4.29	4.71	2543	6.65	7.68
153	1.38	5.00	7.00	1-8,10	840	4.34	4.62	1267	5.98	6.43	2534	9.12	10.37
154	1.38	3.40	4.80	1-6	838	2.37	2.64	1265	3.23	3.64	2530	4.97	5.91
155	1.39	4.40	6.20	1-6	836	3.62	3.89	1262	4.98	5.41	2523	7.70	8.81
156	1.39	5.40	7.60	1-8,10	835	4.82	5.10	1260	6.64	7.11	2519	9.99	11.35
157	1.39	6.40	9.00	1-8,10	834	5.99	6.28	1258	8.21	8.72	--	--	--
158	1.40	3.80	5.40	1-6	832	2.88	3.14	1254	3.94	4.36	2509	6.11	7.12
159	1.40	5.80	8.20	1-8,10	831	5.29	5.58	1253	7.28	7.76	2506	10.77	12.27
160	1.40	4.20	6.00	1-6	826	3.38	3.64	1246	4.64	5.07	2492	7.20	8.27
161	1.41	3.20	4.60	1-6	825	2.12	2.38	1245	2.88	3.28	2490	4.39	5.31
162	1.41	4.60	6.60	1-6	821	3.87	4.14	1239	5.33	5.76	2478	8.21	9.36
163	1.42	3.60	5.20	1-6	819	2.63	2.89	1236	3.60	4.01	2472	5.57	6.54
164	1.42	4.00	5.80	1-6	815	3.13	3.40	1229	4.30	4.72	2459	6.68	7.71
165	1.43	4.40	6.40	1-6	811	3.63	3.90	1224	4.99	5.42	2447	7.72	8.83
166	1.43	3.00	4.40	1-6	811	1.87	2.13	1223	2.52	2.92	2446	3.80	4.69
167	1.43	6.20	9.00	1-8,10	809	5.76	6.05	1220	7.92	8.42	2441	11.49	13.13
168	1.44	4.80	7.00	1-6	808	4.12	4.39	1219	5.67	6.11	2438	8.70	9.90
169	1.44	3.40	5.00	1-6	806	2.39	2.64	1217	3.25	3.65	2433	5.00	5.94
170	1.44	5.20	7.60	1-8,10	805	4.60	4.87	1215	6.33	6.79	2430	9.60	10.90
171	1.44	3.80	5.60	1-6	803	2.89	3.15	1212	3.96	4.37	2423	6.15	7.14
172	1.44	5.60	8.20	1-8,10	803	5.07	5.35	1212	6.98	7.45	2423	10.42	11.84
173	1.45	4.20	6.20	1-6	800	3.39	3.65	1207	4.66	5.08	2415	7.22	8.29
174	1.46	3.20	4.80	1-6	792	2.14	2.39	1196	2.90	3.30	2391	4.42	5.34
175	1.47	3.60	5.40	1-6	790	2.64	2.90	1192	3.61	4.02	2385	5.60	6.56
176	1.47	4.00	6.00	1-6	789	3.14	3.41	1190	4.32	4.73	2380	6.70	7.73
177	1.47	4.40	6.60	1-6	787	3.64	3.90	1188	5.01	5.43	2376	7.75	8.85
178	1.48	6.00	9.00	1-8,10	784	5.54	5.83	1182	7.62	8.11	2365	11.18	12.74
179	1.49	3.00	4.60	1-6	777	1.88	2.14	1173	2.54	2.94	2345	3.83	4.72
180	1.49	3.40	5.20	1-6	777	2.40	2.65	1172	3.26	3.67	2344	5.03	5.97
181	1.49	3.80	5.80	1-6	777	2.90	3.16	1171	3.97	4.38	2343	6.17	7.16
182	1.49	4.20	6.40	1-6	776	3.39	3.66	1171	4.67	5.09	2342	7.25	8.31
183	1.49	4.60	7.00	1-6	776	3.88	4.15	1171	5.35	5.78	2341	8.25	9.40
184	1.50	5.00	7.60	1-8,10	776	4.37	4.64	1170	6.02	6.46	2341	9.19	10.43
185	1.50	5.40	8.20	1-8,10	776	4.84	5.12	1170	6.67	7.13	2340	10.05	11.40
186	1.50	7.00	10.60	1-8,10	775	6.68	6.98	1169	9.14	9.68	--	--	--
187	1.52	4.00	6.20	1-6	764	3.15	3.41	1153	4.33	4.74	2306	6.73	7.75
188	1.52	3.60	5.60	1-6	763	2.65	2.91	1152	3.63	4.03	2303	5.62	6.58
189	1.52	3.20	5.00	1-6	762	2.15	2.40	1150	2.91	3.31	2300	4.45	5.36
190	1.53	5.80	9.00	1-8,10	759	5.32	5.60	1145	7.32	7.79	2289	10.84	12.32
191	1.54	4.20	6.60	1-6	754	3.40	3.66	1137	4.68	5.10	2274	7.26	8.32
192	1.54	3.80	6.00	1-6	752	2.91	3.16	1134	3.98	4.39	2268	6.19	7.18
193	1.55	3.40	5.40	1-6	749	2.40	2.66	1131	3.27	3.68	2261	5.05	5.98
194	1.55	5.20	8.20	1-8,10	748	4.61	4.88	1129	6.36	6.81	2257	9.65	10.94
195	1.55	3.00	4.80	1-6	747	1.89	2.15	1126	2.55	2.95	2252	3.86	4.74
196	1.55	4.80	7.60	1-6	746	4.13	4.40	1126	5.70	6.13	2252	8.75	9.94
197	1.56	4.40	7.00	1-6	744	3.65	3.91	1122	5.02	5.45	2245	7.78	8.88
198	1.56	4.00	6.40	1-6	741	3.16	3.42	1118	4.34	4.75	2237	6.75	7.77
199	1.57	3.60	5.80	1-6	738	2.66	2.91	1114	3.64	4.04	2227	5.64	6.60
200	1.58	3.20	5.20	1-6	734	2.15	2.41	1108	2.92	3.32	2216	4.47	5.38

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲

																LINE #
A26	A31	A35	A38	A42	A46	A51	A55	A60	A68	A75	A80	A85	A90	A96	A105	
--	7.5	9.5	11.0	13.0	15.0	17.5	19.5	22.0	26.0	29.5	32.0	34.5	37.0	40.0	44.5	151
--	8.6	10.6	12.1	14.1	16.1	18.6	20.6	23.1	27.1	30.6	33.1	35.6	38.1	41.1	45.6	152
--	--	8.7	10.2	12.2	14.2	16.7	18.7	21.2	25.2	28.7	31.2	33.7	36.2	39.2	43.7	153
7.2	9.7	11.7	13.2	15.2	17.2	19.7	21.7	24.2	28.2	31.7	34.2	36.7	39.2	42.2	46.7	154
--	7.8	9.8	11.3	13.3	15.3	17.8	19.8	22.3	26.3	29.8	32.3	34.8	37.3	40.3	44.8	155
■ 0.78	0.82	0.84	0.86	0.89	0.91	0.93	0.94	0.96	0.99	1.01	1.02	1.04	1.05	1.06	1.08 ■	
--	--	--	9.4	11.4	13.4	15.9	17.9	20.4	24.4	27.9	30.4	32.9	35.4	38.4	42.9	156
--	--	--	--	9.5	11.5	14.0	16.0	18.5	22.5	26.0	28.5	31.0	33.5	36.5	41.0	157
6.4	8.9	10.9	12.4	14.4	16.4	18.9	20.9	23.4	27.4	30.9	33.4	35.9	38.4	41.4	45.9	158
--	--	--	--	10.6	12.6	15.1	17.1	19.6	23.6	27.1	29.6	32.1	34.6	37.6	42.1	159
--	8.1	10.1	11.6	13.6	15.6	18.1	20.1	22.6	26.6	30.1	32.6	35.1	37.6	40.6	45.1	160
■ 0.78	0.82	0.85	0.86	0.88	0.90	0.92	0.94	0.96	0.99	1.01	1.02	1.03	1.05	1.06	1.08 ■	
7.5	10.0	12.0	13.5	15.5	17.5	20.0	22.0	24.5	28.5	32.0	34.5	37.0	39.5	42.5	47.0	161
--	--	9.3	10.8	12.8	14.8	17.3	19.3	21.8	25.8	29.3	31.8	34.3	36.8	39.8	44.3	162
6.7	9.2	11.2	12.7	14.7	16.7	19.2	21.2	23.7	27.7	31.2	33.7	36.2	38.7	41.7	46.2	163
--	8.4	10.4	11.9	13.9	15.9	18.4	20.4	22.9	26.9	30.4	32.9	35.4	37.9	40.9	45.4	164
--	7.6	9.6	11.1	13.1	15.1	17.6	19.6	22.1	26.1	29.7	32.2	34.7	37.2	40.2	44.7	165
■ 0.78	0.82	0.84	0.86	0.89	0.91	0.93	0.94	0.96	0.99	1.01	1.02	1.04	1.05	1.06	1.08 ■	
7.8	10.3	12.3	13.8	15.8	17.8	20.3	22.3	24.8	28.8	32.3	34.8	37.3	39.8	42.8	47.3	166
--	--	--	--	9.6	11.6	14.1	16.2	18.7	22.7	26.2	28.7	31.2	33.7	36.7	41.2	167
--	--	8.8	10.3	12.3	14.3	16.8	18.9	21.4	25.4	28.9	31.4	33.9	36.4	39.4	43.9	168
7.0	9.5	11.5	13.0	15.0	17.0	19.5	21.5	24.0	28.0	31.5	34.0	36.5	39.0	42.0	46.5	169
--	--	--	9.5	11.5	13.5	16.1	18.1	20.6	24.6	28.1	30.6	33.1	35.6	38.6	43.1	170
■ 0.78	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.99	1.01	1.02	1.03	1.05	1.06	1.08 ■	
--	8.7	10.7	12.2	14.2	16.2	18.7	20.7	23.2	27.3	30.8	33.3	35.8	38.3	41.3	45.8	171
--	--	--	8.7	10.7	12.7	15.3	17.3	19.8	23.8	27.3	29.8	32.3	34.8	37.8	42.3	172
--	7.9	9.9	11.4	13.4	15.4	18.0	20.0	22.5	26.5	30.0	32.5	35.0	37.5	40.5	45.0	173
7.3	9.8	11.8	13.3	15.3	17.3	19.9	21.9	24.4	28.4	31.9	34.4	36.9	39.4	42.4	46.9	174
6.5	9.0	11.0	12.5	14.6	16.6	19.1	21.1	23.6	27.6	31.1	33.6	36.1	38.6	41.6	46.1	175
■ 0.78	0.82	0.84	0.86	0.88	0.90	0.93	0.94	0.96	0.99	1.01	1.02	1.04	1.05	1.06	1.08 ■	
--	8.2	10.2	11.8	13.8	15.8	18.3	20.3	22.8	26.8	30.3	32.8	35.3	37.8	40.8	45.3	176
--	7.4	9.4	11.0	13.0	15.0	17.5	19.5	22.0	26.0	29.5	32.0	34.5	37.0	40.0	44.5	177
--	--	--	--	9.8	11.8	14.3	16.3	18.8	22.8	26.3	28.8	31.3	33.8	36.8	41.3	178
7.6	10.1	12.2	13.7	15.7	17.7	20.2	22.2	24.7	28.7	32.2	34.7	37.2	39.7	42.7	47.2	179
6.8	9.4	11.4	12.9	14.9	16.9	19.4	21.4	23.9	27.9	31.4	33.9	36.4	38.9	41.9	46.4	180
■ 0.78	0.81	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.99	1.01	1.02	1.03	1.05	1.06	1.08 ■	
--	8.6	10.6	12.1	14.1	16.1	18.6	20.6	23.1	27.1	30.6	33.1	35.6	38.1	41.1	45.6	181
--	7.7	9.8	11.3	13.3	15.3	17.8	19.8	22.3	26.3	29.8	32.3	34.8	37.3	40.3	44.8	182
--	--	9.0	10.5	12.5	14.5	17.0	19.0	21.5	25.5	29.0	31.5	34.0	36.5	39.5	44.0	183
--	--	8.2	9.7	11.7	13.7	16.2	18.2	20.7	24.7	28.2	30.7	33.2	35.7	38.7	43.2	184
--	--	--	8.9	10.9	12.9	15.4	17.4	19.9	23.9	27.4	29.9	32.4	34.9	37.9	42.4	185
■ 0.00	0.81	0.83	0.85	0.88	0.90	0.92	0.94	0.96	0.99	1.01	1.02	1.03	1.05	1.06	1.08 ■	
--	--	--	--	--	--	12.2	14.2	16.7	20.7	24.3	26.8	29.3	31.8	34.8	39.3	186
--	8.1	10.1	11.6	13.6	15.6	18.1	20.1	22.6	26.6	30.1	32.6	35.1	37.6	40.6	45.1	187
--	8.9	10.9	12.4	14.4	16.4	18.9	20.9	23.4	27.4	30.9	33.4	35.9	38.4	41.4	45.9	188
7.2	9.7	11.7	13.2	15.2	17.2	19.7	21.7	24.2	28.2	31.7	34.2	36.7	39.2	42.2	46.7	189
--	--	--	--	9.9	11.9	14.4	16.4	19.0	23.0	26.5	29.0	31.5	34.0	37.0	41.5	190
■ 0.78	0.81	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	1.01	1.02	1.03	1.04	1.06	1.08 ■	
--	7.6	9.6	11.1	13.1	15.1	17.6	19.6	22.1	26.1	29.6	32.1	34.6	37.1	40.1	44.7	191
--	8.4	10.4	11.9	13.9	15.9	18.4	20.4	22.9	26.9	30.4	32.9	35.4	37.9	40.9	45.4	192
6.7	9.2	11.2	12.7	14.7	16.7	19.2	21.2	23.7	27.7	31.2	33.7	36.2	38.7	41.7	46.2	193
--	--	--	9.0	11.0	13.0	15.6	17.6	20.1	24.1	27.6	30.1	32.6	35.1	38.1	42.6	194
7.5	10.0	12.0	13.5	15.5	17.5	20.0	22.0	24.5	28.5	32.0	34.5	37.0	39.5	42.5	47.0	195
■ 0.77	0.81	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.99	1.01	1.02	1.03	1.05	1.06	1.08 ■	
--	--	8.3	9.8	11.8	13.8	16.4	18.4	20.9	24.9	28.4	30.9	33.4	35.9	38.9	43.4	196
--	--	9.1	10.6	12.6	14.6	17.1	19.2	21.7	25.7	29.2	31.7	34.2	36.7	39.7	44.2	197
--	7.9	9.9	11.4	13.4	15.4	17.9	19.9	22.4	26.4	30.0	32.5	35.0	37.5	40.5	45.0	198
--	8.7	10.7	12.2	14.2	16.2	18.7	20.7	23.2	27.2	30.7	33.2	35.7	38.3	41.3	45.8	199
7.0	9.5	11.5	13.0	15.0	17.0	19.5	21.5	24.0	28.0	31.5	34.0	36.5	39.0	42.0	46.5	200
■ 0.77	0.81	0.83	0.85	0.88	0.90	0.92	0.94	0.96	0.99	1.01	1.02	1.03	1.05	1.06	1.08 ■	

▲ Not all available belt lengths are shown.
 ■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						AP	AX		AP	AX		AP	AX
201	1.58	5.60	9.00	1-8,10	734	5.09	5.36	1107	7.01	7.47	2214	10.48	11.89
202	1.58	6.60	10.60	1-8,10	732	6.24	6.54	1105	8.56	9.08	--	--	--
203	1.59	3.80	6.20	1-6	728	2.91	3.17	1099	3.99	4.40	2198	6.21	7.19
204	1.60	3.40	5.60	1-6	724	2.41	2.66	1092	3.28	3.68	2184	5.07	6.00
205	1.61	5.00	8.20	1-8,10	721	4.38	4.65	1087	6.04	6.48	2175	9.23	10.46
206	1.61	4.00	6.60	1-6	720	3.16	3.42	1086	4.34	4.76	2172	6.76	7.78
207	1.62	3.00	5.00	1-6	718	1.90	2.15	1083	2.56	2.95	2167	3.88	4.75
208	1.62	4.60	7.60	1-6	717	3.90	4.16	1081	5.37	5.80	2162	8.30	9.43
209	1.62	3.60	6.00	1-6	715	2.66	2.92	1078	3.64	4.05	2156	5.66	6.61
210	1.63	4.20	7.00	1-6	712	3.41	3.67	1074	4.69	5.11	2148	7.30	8.35
211	1.63	6.40	10.60	1-8,10	711	6.02	6.31	1073	8.27	8.77	--	--	--
212	1.64	5.40	9.00	1-8,10	709	4.86	5.13	1069	6.70	7.15	2138	10.10	11.44
213	1.64	3.20	5.40	1-6	708	2.16	2.41	1069	2.93	3.32	2137	4.49	5.39
214	1.64	3.80	6.40	1-6	706	2.92	3.17	1066	4.00	4.41	2132	6.22	7.21
215	1.66	3.40	5.80	1-6	700	2.41	2.67	1056	3.29	3.69	2112	5.09	6.01
216	1.67	4.80	8.20	1-6	693	4.15	4.41	1046	5.72	6.15	2092	8.79	9.97
217	1.68	3.60	6.20	1-6	692	2.67	2.92	1045	3.65	4.05	2089	5.67	6.62
218	1.68	3.00	5.20	1-6	692	1.91	2.16	1044	2.57	2.96	2087	3.89	4.77
219	1.68	6.20	10.60	1-8,10	690	5.80	6.08	1040	7.97	8.46	2081	11.59	13.21
220	1.69	4.40	7.60	1-6	687	3.66	3.92	1037	5.04	5.46	2073	7.82	8.91
221	1.69	7.00	12.00	1-8,10	687	6.71	7.00	1036	9.17	9.71	--	--	--
222	1.69	3.80	6.60	1-6	686	2.92	3.18	1035	4.01	4.41	2069	6.24	7.22
223	1.70	3.20	5.60	1-6	684	2.16	2.42	1032	2.94	3.33	2064	4.51	5.40
224	1.70	5.20	9.00	1-8,10	683	4.63	4.90	1031	6.38	6.83	2062	9.69	10.98
225	1.71	4.00	7.00	1-6	680	3.17	3.43	1026	4.36	4.77	2052	6.79	7.80
226	1.71	3.40	6.00	1-6	677	2.42	2.67	1022	3.30	3.69	2044	5.10	6.02
227	1.73	3.60	6.40	1-6	672	2.67	2.93	1013	3.66	4.06	2026	5.68	6.63
228	1.74	6.00	10.60	1-8,10	668	5.57	5.85	1008	7.66	8.14	2016	11.26	12.80
229	1.74	3.00	5.40	1-6	667	1.91	2.16	1007	2.58	2.97	2013	3.91	4.78
230	1.74	4.60	8.20	1-6	666	3.91	4.17	1004	5.39	5.81	2009	8.33	9.46
231	1.75	3.20	5.80	1-6	661	2.17	2.42	998	2.94	3.33	1996	4.52	5.41
232	1.76	5.00	9.00	1-8,10	658	4.39	4.66	993	6.06	6.49	1986	9.27	10.49
233	1.76	4.20	7.60	1-6	658	3.42	3.68	992	4.71	5.12	1984	7.33	8.37
234	1.77	3.40	6.20	1-6	656	2.42	2.67	990	3.30	3.70	1981	5.11	6.03
235	1.78	3.60	6.60	1-6	652	2.68	2.93	984	3.66	4.06	1967	5.69	6.64
236	1.79	6.60	12.00	1-8,10	649	6.26	6.55	979	8.59	9.10	--	--	--
237	1.79	3.80	7.00	1-6	648	2.93	3.18	978	4.02	4.42	1955	6.26	7.23
238	1.79	5.80	10.60	1-8,10	647	5.34	5.62	976	7.35	7.82	1952	10.91	12.38
239	1.80	3.00	5.60	1-6	644	1.91	2.16	972	2.58	2.97	1944	3.92	4.79
240	1.81	3.20	6.00	1-6	640	2.17	2.42	966	2.95	3.34	1932	4.53	5.42
241	1.82	4.40	8.20	1-6	638	3.67	3.93	963	5.06	5.47	1926	7.85	8.93
242	1.82	3.40	6.40	1-6	637	2.43	2.68	961	3.31	3.70	1921	5.12	6.04
243	1.83	4.80	9.00	1-6	633	4.16	4.42	955	5.73	6.16	1911	8.82	9.99
244	1.84	6.40	12.00	1-8,10	630	6.04	6.32	950	8.29	8.79	--	--	--
245	1.85	4.00	7.60	1-6	628	3.18	3.43	947	4.37	4.78	1895	6.81	7.82
246	1.85	5.60	10.60	1-8,10	625	5.11	5.38	944	7.04	7.50	1887	10.54	11.94
247	1.86	7.00	13.20	1-8,10	625	6.72	7.01	943	9.19	9.72	--	--	--
248	1.86	3.00	5.80	1-6	623	1.92	2.17	940	2.59	2.97	1880	3.93	4.79
249	1.87	3.20	6.20	1-6	620	2.17	2.42	936	2.95	3.34	1872	4.54	5.43
250	1.88	3.40	6.60	1-6	618	2.43	2.68	932	3.31	3.71	1865	5.13	6.04

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲

																LINE #	
A31	A35	A38	A42	A46	A51	A55	A60	A68	A75	A80	A85	A90	A96	A105	A112		
--	--	--	10.0	12.1	14.6	16.6	19.1	23.1	26.6	29.1	31.6	34.1	37.1	41.6	45.2	201	
--	--	--	--	--	--	12.5	14.5	17.0	21.0	24.6	27.1	29.6	32.1	35.1	39.6	43.1	202
8.2	10.2	11.7	13.7	15.8	18.3	20.3	22.8	26.8	30.3	32.8	35.3	37.8	40.8	45.3	48.8	203	
9.0	11.0	12.5	14.5	16.5	19.0	21.1	23.6	27.6	31.1	33.6	36.1	38.6	41.6	46.1	49.6	204	
--	--	9.1	11.2	13.2	15.7	17.7	20.2	24.2	27.7	30.2	32.7	35.2	38.2	42.8	46.3	205	
■ 0.81	0.84	0.85	0.87	0.89	0.91	0.93	0.95	0.98	1.00	1.02	1.03	1.04	1.06	1.08	1.09 ■		
7.7	9.7	11.2	13.3	15.3	17.8	19.8	22.3	26.3	29.8	32.3	34.8	37.3	40.3	44.8	48.3	206	
9.8	11.8	13.3	15.3	17.3	19.8	21.8	24.3	28.3	31.9	34.4	36.9	39.4	42.4	46.9	50.4	207	
--	8.4	10.0	12.0	14.0	16.5	18.5	21.0	25.0	28.5	31.0	33.5	36.0	39.0	43.5	47.0	208	
8.5	10.5	12.1	14.1	16.1	18.6	20.6	23.1	27.1	30.6	33.1	35.6	38.1	41.1	45.6	49.1	209	
--	9.2	10.8	12.8	14.8	17.3	19.3	21.8	25.8	29.3	31.8	34.3	36.8	39.8	44.3	47.8	210	
■ 0.81	0.83	0.85	0.88	0.90	0.92	0.94	0.96	0.99	1.01	1.02	1.03	1.05	1.06	1.08	1.09 ■		
--	--	--	--	--	12.6	14.6	17.2	21.2	24.7	27.2	29.7	32.2	35.2	39.7	43.2	211	
--	--	--	10.2	12.2	14.7	16.7	19.3	23.3	26.8	29.3	31.8	34.3	37.3	41.8	45.3	212	
9.3	11.3	12.8	14.9	16.9	19.4	21.4	23.9	27.9	31.4	33.9	36.4	38.9	41.9	46.4	49.9	213	
8.0	10.1	11.6	13.6	15.6	18.1	20.1	22.6	26.6	30.1	32.6	35.1	37.6	40.6	45.1	48.6	214	
8.8	10.9	12.4	14.4	16.4	18.9	20.9	23.4	27.4	30.9	33.4	35.9	38.4	41.4	45.9	49.4	215	
■ 0.81	0.84	0.86	0.87	0.90	0.91	0.93	0.95	0.98	1.00	1.02	1.03	1.04	1.06	1.08	1.09 ■		
--	--	9.3	11.3	13.3	15.8	17.9	20.4	24.4	27.9	30.4	32.9	35.4	38.4	42.9	46.4	216	
8.4	10.4	11.9	13.9	15.9	18.4	20.4	22.9	26.9	30.4	32.9	35.4	37.9	40.9	45.4	48.9	217	
9.6	11.7	13.2	15.2	17.2	19.7	21.7	24.2	28.2	31.7	34.2	36.7	39.2	42.2	46.7	50.2	218	
--	--	--	--	10.2	12.8	14.8	17.3	21.3	24.9	27.4	29.9	32.4	35.4	39.9	43.4	219	
--	8.6	10.1	12.1	14.1	16.6	18.7	21.2	25.2	28.7	31.2	33.7	36.2	39.2	43.7	47.2	220	
■ 0.81	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.98	1.00	1.02	1.03	1.04	1.06	1.08	1.09 ■		
--	--	--	--	--	--	13.0	15.5	19.6	23.1	25.6	28.1	30.6	33.6	38.1	41.7	221	
7.9	9.9	11.4	13.4	15.4	17.9	19.9	22.4	26.4	29.9	32.5	35.0	37.5	40.5	45.0	48.5	222	
9.2	11.2	12.7	14.7	16.7	19.2	21.2	23.7	27.7	31.2	33.7	36.2	38.7	41.7	46.2	49.7	223	
--	--	--	10.3	12.4	14.9	16.9	19.4	23.4	26.9	29.4	31.9	34.4	37.4	42.0	45.5	224	
7.4	9.4	10.9	12.9	14.9	17.4	19.5	22.0	26.0	29.5	32.0	34.5	37.0	40.0	44.5	48.0	225	
■ 0.80	0.83	0.85	0.87	0.89	0.92	0.93	0.95	0.98	1.00	1.02	1.03	1.04	1.06	1.07	1.09 ■		
8.7	10.7	12.2	14.2	16.2	18.7	20.7	23.2	27.2	30.7	33.2	35.7	38.2	41.2	45.7	49.3	226	
8.2	10.2	11.7	13.7	15.7	18.2	20.2	22.8	26.8	30.3	32.8	35.3	37.8	40.8	45.3	48.8	227	
--	--	--	--	10.4	12.9	14.9	17.5	21.5	25.0	27.5	30.0	32.5	35.5	40.0	43.6	228	
9.5	11.5	13.0	15.0	17.0	19.5	21.5	24.0	28.0	31.5	34.0	36.5	39.0	42.0	46.5	50.0	229	
--	--	9.4	11.5	13.5	16.0	18.0	20.5	24.5	28.0	30.5	33.0	35.6	38.6	43.1	46.6	230	
■ 0.80	0.84	0.85	0.87	0.89	0.91	0.93	0.95	0.98	1.00	1.02	1.03	1.04	1.06	1.08	1.09 ■		
9.0	11.0	12.5	14.5	16.5	19.0	21.0	23.5	27.6	31.1	33.6	36.1	38.6	41.6	46.1	49.6	231	
--	--	--	10.5	12.5	15.0	17.0	19.6	23.6	27.1	29.6	32.1	34.6	37.6	42.1	45.6	232	
--	8.7	10.2	12.3	14.3	16.8	18.8	21.3	25.3	28.8	31.3	33.8	36.3	39.3	43.8	47.4	233	
8.5	10.5	12.0	14.0	16.0	18.6	20.6	23.1	27.1	30.6	33.1	35.6	38.1	41.1	45.6	49.1	234	
8.0	10.0	11.5	13.6	15.6	18.1	20.1	22.6	26.6	30.1	32.6	35.1	37.6	40.6	45.1	48.6	235	
■ 0.80	0.83	0.85	0.87	0.89	0.92	0.93	0.95	0.98	1.00	1.02	1.03	1.04	1.06	1.08	1.09 ■		
--	--	--	--	--	11.2	13.3	15.8	19.9	23.4	25.9	28.4	30.9	33.9	38.4	42.0	236	
7.5	9.5	11.1	13.1	15.1	17.6	19.6	22.1	26.1	29.6	32.1	34.6	37.1	40.1	44.6	48.1	237	
--	--	--	--	10.5	13.0	15.1	17.6	21.6	25.2	27.7	30.2	32.7	35.7	40.2	43.7	238	
9.3	11.3	12.8	14.8	16.8	19.4	21.4	23.9	27.9	31.4	33.9	36.4	38.9	41.9	46.4	49.9	239	
8.8	10.8	12.3	14.4	16.4	18.9	20.9	23.4	27.4	30.9	33.4	35.9	38.4	41.4	45.9	49.4	240	
■ 0.80	0.83	0.85	0.88	0.89	0.90	0.92	0.95	0.98	1.00	1.01	1.03	1.04	1.05	1.07	1.09 ■		
--	--	9.6	11.6	13.6	16.1	18.2	20.7	24.7	28.2	30.7	33.2	35.7	38.7	43.2	46.7	241	
8.3	10.3	11.9	13.9	15.9	18.4	20.4	22.9	26.9	30.4	32.9	35.4	37.9	40.9	45.4	48.9	242	
--	--	--	10.6	12.6	15.2	17.2	19.7	23.7	27.2	29.7	32.2	34.7	37.8	42.3	45.8	243	
--	--	--	--	--	11.4	13.4	16.0	20.0	23.5	26.0	28.6	31.1	34.1	38.6	42.1	244	
--	8.9	10.4	12.4	14.4	16.9	19.0	21.5	25.5	29.0	31.5	34.0	36.5	39.5	44.0	47.5	245	
■ 0.80	0.82	0.84	0.86	0.89	0.90	0.92	0.94	0.97	1.00	1.01	1.03	1.04	1.05	1.07	1.09 ■		
--	--	--	--	10.6	13.2	15.2	17.8	21.8	25.3	27.8	30.3	32.8	35.8	40.3	43.9	246	
--	--	--	--	--	--	11.9	14.5	18.5	22.1	24.6	27.1	29.6	32.6	37.2	40.7	247	
9.1	11.2	12.7	14.7	16.7	19.2	21.2	23.7	27.7	31.2	33.7	36.2	38.7	41.7	46.2	49.7	248	
8.6	10.7	12.2	14.2	16.2	18.7	20.7	23.2	27.2	30.7	33.2	35.7	38.2	41.2	45.7	49.2	249	
8.1	10.2	11.7	13.7	15.7	18.2	20.2	22.7	26.7	30.3	32.8	35.3	37.8	40.8	45.3	48.8	250	
■ 0.80	0.83	0.85	0.87	0.89	0.91	0.92	0.94	0.97	1.00	1.01	1.03	1.04	1.05	1.07	1.09 ■		

▲ Not all available belt lengths are shown.

■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						AP	AX		AP	AX		AP	AX
251	1.88	3.60	7.00	1-6	616	2.68	2.93	929	3.67	4.07	1859	5.71	6.65
252	1.90	4.20	8.20	1-6	611	3.43	3.68	922	4.72	5.13	1843	7.35	8.39
253	1.90	6.20	12.00	1-8,10	611	5.81	6.09	921	7.99	8.47	1843	11.63	13.24
254	1.91	4.60	9.00	1-6	608	3.92	4.18	918	5.40	5.82	1835	8.36	9.48
255	1.92	5.40	10.60	1-8,10	604	4.88	5.14	911	6.72	7.17	1823	10.15	11.48
256	1.92	3.00	6.00	1-6	603	1.92	2.17	910	2.59	2.98	1820	3.94	4.80
257	1.93	3.20	6.40	1-6	602	2.18	2.43	908	2.96	3.34	1816	4.55	5.43
258	1.94	3.80	7.60	1-6	598	2.93	3.19	903	4.03	4.43	1806	6.28	7.25
259	1.96	6.00	12.00	1-8,10	592	5.58	5.86	893	7.68	8.15	1786	11.30	12.83
260	1.96	6.60	13.20	1-8,10	591	6.27	6.55	891	8.60	9.11	--	--	--
261	1.98	3.00	6.20	1-6	584	1.92	2.17	882	2.60	2.98	1764	3.94	4.81
262	1.99	3.20	6.60	1-6	584	2.18	2.43	881	2.96	3.35	1763	4.55	5.44
263	1.99	3.40	7.00	1-6	584	2.43	2.68	881	3.32	3.71	1762	5.15	6.05
264	1.99	4.00	8.20	1-6	583	3.19	3.44	880	4.38	4.78	1760	6.83	7.83
265	1.99	4.40	9.00	1-6	583	3.68	3.93	880	5.07	5.48	1759	7.87	8.95
266	1.99	5.20	10.60	1-8,10	583	4.64	4.91	879	6.40	6.84	1758	9.74	11.01
267	2.02	6.40	13.20	1-8,10	574	6.04	6.32	865	8.30	8.79	--	--	--
268	2.02	5.80	12.00	1-8,10	573	5.35	5.62	864	7.37	7.83	1729	10.94	12.40
269	2.04	3.60	7.60	1-6	569	2.69	2.94	858	3.68	4.07	1717	5.73	6.66
270	2.05	3.00	6.40	1-6	567	1.92	2.17	855	2.60	2.98	1711	3.95	4.81
271	2.07	5.00	10.60	1-8,10	561	4.41	4.67	847	6.08	6.51	1694	9.31	10.52
272	2.08	4.20	9.00	1-6	558	3.44	3.69	842	4.73	5.14	1684	7.37	8.40
273	2.09	6.20	13.20	1-8,10	556	5.82	6.09	839	8.00	8.48	1678	11.65	13.25
274	2.09	3.80	8.20	1-6	556	2.94	3.19	839	4.03	4.43	1678	6.29	7.26
275	2.09	5.60	12.00	1-8,10	554	5.12	5.39	836	7.05	7.51	1671	10.57	11.96
276	2.10	3.20	7.00	1-6	552	2.18	2.43	833	2.97	3.35	1666	4.56	5.44
277	2.10	7.00	15.00	1-8,10	551	6.73	7.02	832	9.20	9.73	--	--	--
278	2.11	3.00	6.60	1-6	550	1.93	2.17	830	2.60	2.98	1661	3.96	4.81
279	2.15	4.80	10.60	1-6	540	4.17	4.43	815	5.75	6.17	1629	8.86	10.02
280	2.15	3.40	7.60	1-6	539	2.44	2.69	814	3.33	3.72	1627	5.16	6.06
281	2.15	6.00	13.20	1-8,10	539	5.59	5.86	813	7.69	8.16	1626	11.31	12.84
282	2.17	5.40	12.00	1-8,10	535	4.89	5.15	807	6.74	7.18	1614	10.18	11.50
283	2.18	4.00	9.00	1-6	533	3.19	3.44	804	4.39	4.79	1608	6.85	7.84
284	2.19	7.00	15.60	1-8,10	531	6.73	7.02	800	9.20	9.73	--	--	--
285	2.19	3.60	8.20	1-6	529	2.69	2.94	797	3.69	4.08	1595	5.74	6.67
286	2.22	5.80	13.20	1-8,10	522	5.36	5.63	787	7.38	7.84	1574	10.96	12.41
287	2.23	6.60	15.00	1-8,10	521	6.28	6.56	786	8.61	9.11	--	--	--
288	2.23	3.00	7.00	1-6	520	1.93	2.17	784	2.61	2.99	1569	3.96	4.82
289	2.24	4.60	10.60	1-6	519	3.93	4.18	782	5.42	5.83	1565	8.39	9.50
290	2.25	5.20	12.00	1-8,10	516	4.65	4.91	779	6.41	6.85	1557	9.76	11.03
291	2.28	3.20	7.60	1-6	510	2.19	2.43	769	2.97	3.36	1538	4.58	5.45
292	2.28	3.80	9.00	1-6	508	2.94	3.19	766	4.04	4.44	1532	6.31	7.27
293	2.29	6.40	15.00	1-8,10	506	6.05	6.33	763	8.31	8.80	--	--	--
294	2.30	5.60	13.20	1-8,10	505	5.12	5.39	761	7.06	7.51	1522	10.58	11.97
295	2.31	6.60	15.60	1-8,10	501	6.28	6.56	756	8.61	9.12	--	--	--
296	2.32	3.40	8.20	1-6	501	2.44	2.69	756	3.33	3.72	1512	5.17	6.07
297	2.33	4.40	10.60	1-6	497	3.69	3.94	750	5.08	5.49	1500	7.90	8.97
298	2.33	5.00	12.00	1-8,10	497	4.41	4.67	750	6.09	6.52	1500	9.33	10.54
299	2.36	6.20	15.00	1-8,10	491	5.82	6.10	740	8.00	8.49	1480	11.66	13.26
300	2.38	5.40	13.20	1-8,10	487	4.89	5.15	735	6.74	7.18	1470	10.19	11.51

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲

																LINE #
A31	A35	A38	A42	A46	A51	A55	A60	A68	A75	A80	A85	A90	A96	A105	A112	
7.6	9.7	11.2	13.2	15.2	17.7	19.8	22.3	26.3	29.8	32.3	34.8	37.3	40.3	44.8	48.3	251
--	8.2	9.7	11.7	13.8	16.3	18.3	20.8	24.8	28.3	30.8	33.4	35.9	38.9	43.4	46.9	252
--	--	--	--	--	11.5	13.5	16.1	20.1	23.7	26.2	28.7	31.2	34.2	38.7	42.3	253
--	--	8.7	10.7	12.8	15.3	17.3	19.8	23.9	27.4	29.9	32.4	34.9	37.9	42.4	45.9	254
--	--	--	--	10.8	13.3	15.4	17.9	21.9	25.5	28.0	30.5	33.0	36.0	40.5	44.0	255
■ 0.79	0.81	0.83	0.86	0.88	0.90	0.92	0.94	0.97	0.99	1.01	1.02	1.04	1.05	1.07	1.08 ■	
9.0	11.0	12.5	14.5	16.5	19.0	21.0	23.5	27.5	31.0	33.5	36.1	38.6	41.6	46.1	49.6	256
8.5	10.5	12.0	14.0	16.0	18.5	20.5	23.1	27.1	30.6	33.1	35.6	38.1	41.1	45.6	49.1	257
--	9.0	10.5	12.6	14.6	17.1	19.1	21.6	25.6	29.1	31.6	34.1	36.6	39.7	44.2	47.7	258
--	--	--	--	--	11.6	13.7	16.2	20.3	23.8	26.3	28.9	31.4	34.4	38.9	42.4	259
--	--	--	--	--	--	12.2	14.7	18.8	22.4	24.9	27.4	29.9	32.9	37.5	41.0	260
■ 0.80	0.82	0.84	0.87	0.89	0.90	0.91	0.94	0.97	0.99	1.01	1.02	1.04	1.05	1.07	1.08 ■	
8.8	10.8	12.3	14.3	16.3	18.9	20.9	23.4	27.4	30.9	33.4	35.9	38.4	41.4	45.9	49.4	261
8.3	10.3	11.8	13.8	15.9	18.4	20.4	22.9	26.9	30.4	32.9	35.4	37.9	40.9	45.4	48.9	262
7.8	9.8	11.3	13.4	15.4	17.9	19.9	22.4	26.4	29.9	32.4	34.9	37.4	40.4	44.9	48.4	263
--	8.3	9.8	11.9	13.9	16.4	18.4	21.0	25.0	28.5	31.0	33.5	36.0	39.0	43.5	47.0	264
--	--	8.8	10.9	12.9	15.5	17.5	20.0	24.0	27.5	30.0	32.5	35.1	38.1	42.6	46.1	265
■ 0.79	0.82	0.83	0.86	0.89	0.91	0.93	0.95	0.98	1.00	1.01	1.03	1.04	1.05	1.07	1.09 ■	
--	--	--	--	10.9	13.5	15.5	18.0	22.1	25.6	28.1	30.6	33.1	36.1	40.7	44.2	266
--	--	--	--	--	--	12.3	14.9	19.0	22.5	25.0	27.5	30.1	33.1	37.6	41.1	267
--	--	--	--	--	11.8	13.8	16.4	20.4	24.0	26.5	29.0	31.5	34.5	39.0	42.6	268
--	9.1	10.7	12.7	14.7	17.2	19.2	21.8	25.8	29.3	31.8	34.3	36.8	39.8	44.3	47.8	269
8.6	10.6	12.1	14.2	16.2	18.7	20.7	23.2	27.2	30.7	33.2	35.7	38.2	41.2	45.7	49.2	270
■ 0.79	0.82	0.84	0.87	0.88	0.89	0.91	0.93	0.97	0.99	1.00	1.02	1.03	1.05	1.07	1.08 ■	
--	--	--	--	11.0	13.6	15.6	18.2	22.2	25.7	28.3	30.8	33.3	36.3	40.8	44.3	271
--	--	9.0	11.0	13.1	15.6	17.6	20.1	24.2	27.7	30.2	32.7	35.2	38.2	42.7	46.2	272
--	--	--	--	--	--	12.4	15.0	19.1	22.6	25.2	27.7	30.2	33.2	37.8	41.3	273
--	8.4	10.0	12.0	14.1	16.6	18.6	21.1	25.1	28.6	31.1	33.7	36.2	39.2	43.7	47.2	274
--	--	--	--	--	11.9	14.0	16.5	20.6	24.1	26.6	29.2	31.7	34.7	39.2	42.7	275
■ 0.00	0.80	0.82	0.85	0.87	0.89	0.90	0.93	0.96	0.99	1.00	1.02	1.03	1.05	1.07	1.08 ■	
7.9	10.0	11.5	13.5	15.5	18.0	20.0	22.6	26.6	30.1	32.6	35.1	37.6	40.6	45.1	48.6	276
--	--	--	--	--	--	--	--	16.9	20.5	23.0	25.6	28.1	31.1	35.6	39.2	277
8.4	10.5	12.0	14.0	16.0	18.5	20.5	23.0	27.1	30.6	33.1	35.6	38.1	41.1	45.6	49.1	278
--	--	--	--	11.2	13.7	15.8	18.3	22.4	25.9	28.4	30.9	33.4	36.4	41.0	44.5	279
--	9.3	10.8	12.8	14.9	17.4	19.4	21.9	25.9	29.4	31.9	34.4	37.0	40.0	44.5	48.0	280
■ 0.78	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.97	0.99	1.01	1.02	1.03	1.05	1.07	1.08 ■	
--	--	--	--	--	--	12.6	15.1	19.2	22.8	25.3	27.8	30.4	33.4	37.9	41.4	281
--	--	--	--	--	12.0	14.1	16.7	20.7	24.3	26.8	29.3	31.8	34.8	39.3	42.9	282
--	--	9.1	11.2	13.2	15.7	17.8	20.3	24.3	27.8	30.3	32.8	35.4	38.4	42.9	46.4	283
--	--	--	--	--	--	--	--	16.3	19.9	22.5	25.0	27.6	30.6	35.1	38.7	284
--	8.6	10.1	12.2	14.2	16.7	18.7	21.3	25.3	28.8	31.3	33.8	36.3	39.3	43.8	47.3	285
■ 0.00	0.79	0.81	0.85	0.87	0.89	0.90	0.93	0.95	0.98	1.00	1.01	1.03	1.04	1.06	1.08 ■	
--	--	--	--	--	--	12.7	15.3	19.4	22.9	25.5	28.0	30.5	33.5	38.0	41.6	286
--	--	--	--	--	--	--	13.0	17.2	20.8	23.3	25.8	28.4	31.4	35.9	39.5	287
8.0	10.1	11.6	13.6	15.7	18.2	20.2	22.7	26.7	30.2	32.7	35.2	37.7	40.7	45.3	48.8	288
--	--	--	--	11.3	13.9	15.9	18.5	22.5	26.0	28.6	31.1	33.6	36.6	41.1	44.6	289
--	--	--	--	12.2	14.2	16.8	20.9	24.4	27.9	29.9	32.0	35.0	39.5	43.0	46.5	290
■ 0.78	0.81	0.84	0.86	0.87	0.88	0.90	0.91	0.95	0.98	1.00	1.01	1.03	1.04	1.06	1.08 ■	
7.3	9.4	10.9	13.0	15.0	17.5	19.5	22.1	26.1	29.6	32.1	34.6	37.1	40.1	44.6	48.1	291
--	--	9.2	11.3	13.3	15.9	17.9	20.4	24.5	28.0	30.5	33.0	35.5	38.5	43.0	46.5	292
--	--	--	--	--	--	--	--	13.1	17.3	20.9	23.4	26.0	28.5	31.5	36.1	293
--	--	--	--	--	--	--	--	15.4	19.5	23.1	25.6	28.1	30.6	33.7	38.2	294
--	--	--	--	--	--	--	--	--	16.6	20.2	22.8	25.3	27.9	30.9	35.4	295
■ 0.76	0.80	0.82	0.85	0.87	0.90	0.90	0.91	0.95	0.97	0.99	1.01	1.02	1.04	1.06	1.07 ■	
--	8.7	10.3	12.3	14.3	16.9	18.9	21.4	25.4	28.9	31.4	34.0	36.5	39.5	44.0	47.5	296
--	--	--	9.4	11.4	14.0	16.1	18.6	22.7	26.2	28.7	31.2	33.7	36.7	41.3	44.8	297
--	--	--	--	--	12.3	14.4	16.9	21.0	24.5	27.1	29.6	32.1	35.1	39.6	43.2	298
--	--	--	--	--	--	--	--	13.3	17.4	21.0	23.6	26.1	28.7	31.7	36.2	299
--	--	--	--	--	--	13.0	15.6	19.7	23.2	25.7	28.3	30.8	33.8	38.3	41.9	300
■ 0.00	0.79	0.82	0.83	0.86	0.88	0.89	0.91	0.95	0.98	0.99	1.01	1.02	1.04	1.06	1.08 ■	

▲ Not all available belt lengths are shown.

■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						AP	AX		AP	AX		AP	AX
301	2.38	6.40	15.60	1-8,10	487	6.05	6.33	734	8.31	8.80	--	--	--
302	2.40	3.60	9.00	1-6	483	2.70	2.94	728	3.69	4.08	1457	5.75	6.68
303	2.42	3.00	7.60	1-6	480	1.93	2.18	725	2.61	2.99	1449	3.97	4.83
304	2.43	4.80	12.00	1-6	478	4.17	4.43	721	5.76	6.18	1443	8.87	10.03
305	2.44	4.20	10.60	1-6	476	3.44	3.69	718	4.74	5.14	1435	7.39	8.42
306	2.44	6.00	15.00	1-8,10	475	5.59	5.86	717	7.70	8.17	1434	11.33	12.85
307	2.45	3.20	8.20	1-6	474	2.19	2.43	714	2.98	3.36	1429	4.58	5.46
308	2.46	6.20	15.60	1-8,10	472	5.82	6.10	712	8.01	8.49	1424	11.67	13.27
309	2.47	5.20	13.20	1-8,10	470	4.65	4.91	709	6.42	6.85	1418	9.77	11.03
310	2.52	7.00	18.00	1-8,10	461	6.73	7.02	695	9.21	9.74	--	--	--
311	2.52	5.80	15.00	1-8,10	460	5.36	5.63	694	7.38	7.84	1389	10.97	12.42
312	2.53	4.60	12.00	1-6	459	3.93	4.19	693	5.42	5.84	1386	8.40	9.51
313	2.53	3.40	9.00	1-6	458	2.44	2.69	691	3.34	3.72	1381	5.18	6.08
314	2.54	6.00	15.60	1-8,10	457	5.59	5.87	690	7.70	8.17	1380	11.33	12.85
315	2.55	4.00	10.60	1-6	454	3.20	3.45	685	4.40	4.79	1371	6.86	7.85
316	2.56	5.00	13.20	1-8,10	453	4.42	4.67	683	6.09	6.52	1366	9.34	10.54
317	2.60	3.00	8.20	1-6	446	1.93	2.18	673	2.61	2.99	1346	3.98	4.83
318	2.61	5.60	15.00	1-8,10	445	5.13	5.39	671	7.07	7.52	1343	10.60	11.98
319	2.62	5.80	15.60	1-8,10	443	5.36	5.63	668	7.38	7.84	1336	10.98	12.43
320	2.63	4.40	12.00	1-6	440	3.69	3.94	664	5.09	5.49	1329	7.91	8.97
321	2.66	4.80	13.20	1-6	436	4.18	4.43	657	5.76	6.18	1314	8.88	10.04
322	2.66	6.60	18.00	1-8,10	435	6.28	6.56	657	8.62	9.12	--	--	--
323	2.68	3.80	10.60	1-6	433	2.95	3.20	653	4.05	4.44	1306	6.32	7.28
324	2.68	3.20	9.00	1-6	433	2.19	2.44	653	2.98	3.36	1305	4.59	5.46
325	2.70	5.40	15.00	1-8,10	430	4.89	5.16	648	6.75	7.19	1297	10.20	11.52
326	2.71	5.60	15.60	1-8,10	428	5.13	5.39	646	7.07	7.52	1292	10.60	11.98
327	2.74	7.00	19.60	1-8,10	424	6.73	7.02	639	9.22	9.74	--	--	--
328	2.74	6.40	18.00	1-8,10	423	6.06	6.33	638	8.32	8.81	--	--	--
329	2.75	4.20	12.00	1-6	421	3.45	3.70	636	4.75	5.15	1271	7.40	8.42
330	2.77	4.60	13.20	1-6	418	3.93	4.19	631	5.43	5.84	1262	8.41	9.51
331	2.80	5.20	15.00	1-8,10	415	4.66	4.92	625	6.42	6.86	1251	9.78	11.04
332	2.81	5.40	15.60	1-8,10	414	4.89	5.16	624	6.75	7.19	1248	10.20	11.52
333	2.82	3.60	10.60	1-6	412	2.70	2.95	621	3.70	4.09	1242	5.77	6.69
334	2.83	6.20	18.00	1-8,10	410	5.83	6.10	618	8.01	8.49	1237	11.68	13.27
335	2.85	3.00	9.00	1-6	408	1.94	2.18	615	2.62	3.00	1230	3.99	4.84
336	2.88	4.00	12.00	1-6	402	3.20	3.45	607	4.40	4.80	1214	6.87	7.86
337	2.89	4.40	13.20	1-6	401	3.69	3.94	605	5.09	5.50	1210	7.91	8.98
338	2.90	6.60	19.60	1-8,10	400	6.28	6.57	604	8.62	9.12	--	--	--
339	2.90	5.00	15.00	1-8,10	399	4.42	4.68	602	6.10	6.52	1205	9.34	10.55
340	2.91	5.20	15.60	1-8,10	399	4.66	4.92	602	6.42	6.86	1203	9.78	11.04
341	2.92	6.00	18.00	1-8,10	397	5.60	5.87	599	7.70	8.17	1199	11.34	12.86
342	2.97	3.40	10.60	1-6	390	2.45	2.69	589	3.34	3.73	1177	5.19	6.09
343	2.98	6.40	19.60	1-8,10	389	6.06	6.33	586	8.32	8.81	--	--	--
344	3.02	5.80	18.00	1-8,10	385	5.36	5.63	580	7.39	7.85	1160	10.99	12.43
345	3.02	5.00	15.60	1-8,10	384	4.42	4.68	580	6.10	6.52	1159	9.35	10.55
346	3.02	4.80	15.00	1-6	384	4.18	4.43	580	5.76	6.18	1159	8.89	10.04
347	3.02	4.20	13.20	1-6	384	3.45	3.70	579	4.75	5.15	1158	7.41	8.43
348	3.02	3.80	12.00	1-6	384	2.95	3.20	579	4.05	4.44	1157	6.33	7.28
349	3.08	6.20	19.60	1-8,10	377	5.83	6.10	569	8.01	8.49	1137	11.68	13.28
350	3.12	5.60	18.00	1-8,10	372	5.13	5.40	561	7.07	7.52	1122	10.61	11.99

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲																LINE #	
A31	A35	A38	A42	A46	A51	A55	A60	A68	A75	A80	A85	A90	A96	A105	A112		
--	--	--	--	--	--	--	--	16.7	20.4	22.9	25.5	28.0	31.0	35.6	39.1	301	
--	--	9.4	11.4	13.5	16.0	18.1	20.6	24.6	28.1	30.6	33.1	35.7	38.7	43.2	46.7	302	
7.5	9.5	11.1	13.1	15.2	17.7	19.7	22.2	26.2	29.7	32.2	34.7	37.3	40.3	44.8	48.3	303	
--	--	--	--	--	12.4	14.5	17.1	21.1	24.7	27.2	29.7	32.3	35.3	39.8	43.3	304	
--	--	--	9.5	11.6	14.2	16.2	18.8	22.8	26.3	28.8	31.4	33.9	36.9	41.4	44.9	305	
■ 0.76	■ 0.80	■ 0.82	■ 0.83	■ 0.86	■ 0.88	■ 0.91	■ 0.93	■ 0.95	■ 0.98	■ 1.00	■ 1.01	■ 1.03	■ 1.04	■ 1.06	■ 1.08	■	
--	--	--	--	--	--	--	13.4	17.6	21.2	23.7	26.3	28.8	31.8	36.4	39.9	306	
--	8.8	10.4	12.4	14.5	17.0	19.0	21.6	25.6	29.1	31.6	34.1	36.6	39.6	44.1	47.6	307	
--	--	--	--	--	--	--	12.7	16.9	20.5	23.0	25.6	28.1	31.2	35.7	39.2	308	
--	--	--	--	--	11.0	13.1	15.7	19.8	23.4	25.9	28.4	30.9	34.0	38.5	42.0	309	
--	--	--	--	--	--	--	--	--	17.7	20.3	22.9	25.4	28.5	33.1	36.6	310	
■ 0.00	■ 0.79	■ 0.82	■ 0.85	■ 0.87	■ 0.87	■ 0.89	■ 0.89	■ 0.94	■ 0.96	■ 0.98	■ 1.00	■ 1.01	■ 1.03	■ 1.05	■ 1.07	■	
--	--	--	--	--	--	--	13.5	17.7	21.3	23.9	26.4	28.9	32.0	36.5	40.0	311	
--	--	--	--	--	12.6	14.6	17.2	21.3	24.8	27.4	29.9	32.4	35.4	39.9	43.5	312	
--	--	9.5	11.6	13.6	16.2	18.2	20.7	24.8	28.3	30.8	33.3	35.8	38.8	43.3	46.8	313	
--	--	--	--	--	--	--	12.8	17.0	20.6	23.2	25.7	28.3	31.3	35.9	39.4	314	
--	--	--	9.6	11.7	14.3	16.4	18.9	22.9	26.5	29.0	31.5	34.0	37.0	41.6	45.1	315	
■ 0.00	■ 0.00	■ 0.80	■ 0.82	■ 0.85	■ 0.88	■ 0.90	■ 0.90	■ 0.94	■ 0.97	■ 0.99	■ 1.00	■ 1.02	■ 1.04	■ 1.06	■ 1.07	■	
--	--	--	--	--	11.1	13.2	15.8	19.9	23.5	26.0	28.6	31.1	34.1	38.6	42.2	316	
--	9.0	10.5	12.6	14.6	17.2	19.2	21.7	25.7	29.2	31.7	34.3	36.8	39.8	44.3	47.8	317	
--	--	--	--	--	--	--	13.7	17.9	21.5	24.0	26.6	29.1	32.1	36.7	40.2	318	
--	--	--	--	--	--	--	12.9	17.1	20.8	23.3	25.9	28.4	31.5	36.0	39.5	319	
--	--	--	--	10.1	12.7	14.8	17.4	21.4	25.0	27.5	30.0	32.5	35.6	40.1	43.6	320	
■ 0.00	■ 0.79	■ 0.82	■ 0.85	■ 0.84	■ 0.86	■ 0.89	■ 0.89	■ 0.94	■ 0.97	■ 0.99	■ 1.00	■ 1.02	■ 1.03	■ 1.06	■ 1.07	■	
--	--	--	--	--	11.2	13.4	16.0	20.1	23.6	26.2	28.7	31.2	34.3	38.8	42.3	321	
--	--	--	--	--	--	--	--	14.2	17.9	20.5	23.1	25.7	28.8	33.3	36.9	322	
--	--	--	9.7	11.9	14.4	16.5	19.0	23.1	26.6	29.1	31.7	34.2	37.2	41.7	45.2	323	
--	8.0	9.6	11.7	13.8	16.3	18.3	20.9	24.9	28.4	30.9	33.4	36.0	39.0	43.5	47.0	324	
--	--	--	--	--	--	--	13.8	18.0	21.6	24.2	26.7	29.2	32.3	36.8	40.3	325	
■ 0.00	■ 0.76	■ 0.80	■ 0.82	■ 0.85	■ 0.86	■ 0.89	■ 0.91	■ 0.93	■ 0.96	■ 0.98	■ 1.00	■ 1.01	■ 1.03	■ 1.05	■ 1.07	■	
--	--	--	--	--	--	--	13.0	17.3	20.9	23.5	26.0	28.6	31.6	36.2	39.7	326	
--	--	--	--	--	--	--	--	--	16.0	18.7	21.3	23.9	27.0	31.6	35.2	327	
--	--	--	--	--	--	--	--	--	14.3	18.1	20.7	23.3	25.8	28.9	33.5	37.0	328
--	--	--	--	10.2	12.8	14.9	17.5	21.6	25.1	27.7	30.2	32.7	35.7	40.2	43.8	329	
--	--	--	--	--	11.4	13.5	16.1	20.2	23.8	26.3	28.8	31.4	34.4	38.9	42.5	330	
■ 0.00	■ 0.00	■ 0.00	■ 0.00	■ 0.80	■ 0.84	■ 0.87	■ 0.89	■ 0.91	■ 0.94	■ 0.96	■ 0.98	■ 1.00	■ 1.02	■ 1.04	■ 1.06	■	
--	--	--	--	--	--	--	13.9	18.1	21.7	24.3	26.8	29.4	32.4	37.0	40.5	331	
--	--	--	--	--	--	--	13.2	17.4	21.0	23.6	26.2	28.7	31.7	36.3	39.8	332	
--	--	--	9.9	12.0	14.6	16.6	19.2	23.2	26.8	29.3	31.8	34.3	37.3	41.9	45.4	333	
--	--	--	--	--	--	--	--	14.4	18.2	20.8	23.4	26.0	29.0	33.6	37.2	334	
--	8.2	9.8	11.8	13.9	16.5	18.5	21.0	25.0	28.6	31.1	33.6	36.1	39.1	43.6	47.1	335	
■ 0.00	■ 0.76	■ 0.80	■ 0.82	■ 0.85	■ 0.88	■ 0.90	■ 0.89	■ 0.92	■ 0.96	■ 0.98	■ 0.99	■ 1.01	■ 1.03	■ 1.05	■ 1.07	■	
--	--	--	--	10.3	13.0	15.1	17.6	21.7	25.3	27.8	30.3	32.8	35.9	40.4	43.9	336	
--	--	--	--	--	11.5	13.6	16.2	20.4	23.9	26.5	29.0	31.5	34.5	39.1	42.6	337	
--	--	--	--	--	--	--	--	--	16.3	19.0	21.6	24.2	27.3	31.9	35.5	338	
--	--	--	--	--	--	--	--	14.1	18.3	21.9	24.4	27.0	29.5	32.6	37.1	40.6	339
--	--	--	--	--	--	--	13.3	17.5	21.2	23.7	26.3	28.8	31.9	36.4	40.0	340	
■ 0.00	■ 0.00	■ 0.00	■ 0.00	■ 0.80	■ 0.84	■ 0.87	■ 0.88	■ 0.93	■ 0.94	■ 0.97	■ 0.98	■ 1.00	■ 1.02	■ 1.04	■ 1.06	■	
--	--	--	--	--	--	--	--	14.6	18.3	20.9	23.5	26.1	29.2	33.8	37.3	341	
--	--	--	10.0	12.1	14.7	16.8	19.3	23.4	26.9	29.4	32.0	34.5	37.5	42.0	45.5	342	
--	--	--	--	--	--	--	--	--	16.4	19.1	21.7	24.3	27.4	32.1	35.6	343	
--	--	--	--	--	--	--	--	--	14.7	18.4	21.1	23.7	26.2	29.3	33.9	37.5	344
--	--	--	--	--	--	--	--	13.4	17.7	21.3	23.9	26.4	29.0	32.0	36.6	40.1	345
■ 0.00	■ 0.00	■ 0.00	■ 0.80	■ 0.84	■ 0.87	■ 0.90	■ 0.88	■ 0.90	■ 0.93	■ 0.95	■ 0.97	■ 0.99	■ 1.01	■ 1.04	■ 1.06	■	
--	--	--	--	--	--	--	14.2	18.4	22.0	24.6	27.1	29.7	32.7	37.2	40.8	346	
--	--	--	--	--	11.6	13.7	16.4	20.5	24.1	26.6	29.1	31.7	34.7	39.2	42.7	347	
--	--	--	--	10.4	13.1	15.2	17.8	21.9	25.4	27.9	30.5	33.0	36.0	40.5	44.0	348	
--	--	--	--	--	--	--	--	--	16.5	19.2	21.9	24.5	27.6	32.2	35.8	349	
--	--	--	--	--	--	--	--	--	14.8	18.6	21.2	23.8	26.4	29.5	34.1	37.6	350
■ 0.00	■ 0.00	■ 0.00	■ 0.00	■ 0.80	■ 0.84	■ 0.87	■ 0.89	■ 0.91	■ 0.94	■ 0.96	■ 0.98	■ 1.00	■ 1.02	■ 1.04	■ 1.06	■	

▲ Not all available belt lengths are shown.
 ■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						AP	AX		AP	AX		AP	AX
351	3.14	4.80	15.60	1-6	370	4.18	4.43	558	5.77	6.18	1115	8.89	10.04
352	3.14	4.60	15.00	1-6	369	3.94	4.19	557	5.43	5.84	1113	8.41	9.52
353	3.14	3.20	10.60	1-6	369	2.19	2.44	556	2.98	3.36	1113	4.60	5.47
354	3.16	4.00	13.20	1-6	367	3.20	3.45	553	4.40	4.80	1106	6.88	7.86
355	3.18	6.00	19.60	1-8,10	365	5.60	5.87	551	7.70	8.17	1102	11.35	12.86
356	3.18	3.60	12.00	1-6	365	2.70	2.95	550	3.70	4.09	1100	5.77	6.69
357	3.23	5.40	18.00	1-8,10	359	4.90	5.16	542	6.75	7.19	1084	10.21	11.52
358	3.27	4.60	15.60	1-6	355	3.94	4.19	535	5.43	5.84	1071	8.42	9.52
359	3.28	4.40	15.00	1-6	354	3.69	3.95	534	5.09	5.50	1067	7.92	8.98
360	3.28	5.80	19.60	1-8,10	354	5.37	5.63	533	7.39	7.85	1067	10.99	12.43
361	3.32	3.80	13.20	1-6	349	2.95	3.20	527	4.05	4.45	1054	6.33	7.29
362	3.34	3.00	10.60	1-6	347	1.94	2.18	524	2.62	3.00	1048	4.00	4.84
363	3.35	5.20	18.00	1-8,10	346	4.66	4.92	523	6.43	6.86	1045	9.79	11.05
364	3.36	3.40	12.00	1-6	346	2.45	2.69	521	3.35	3.73	1043	5.20	6.09
365	3.39	5.60	19.60	1-8,10	342	5.13	5.40	516	7.07	7.52	1031	10.61	11.99
366	3.41	4.40	15.60	1-6	340	3.69	3.95	513	5.09	5.50	1027	7.92	8.98
367	3.43	4.20	15.00	1-6	338	3.45	3.70	511	4.75	5.15	1021	7.41	8.43
368	3.43	7.00	24.60	2-8,10	338	6.74	7.03	511	9.22	9.74	--	--	--
369	3.48	5.00	18.00	1-8,10	334	4.42	4.68	503	6.10	6.52	1007	9.35	10.55
370	3.49	3.60	13.20	1-6	332	2.70	2.95	501	3.70	4.09	1002	5.78	6.70
371	3.51	5.40	19.60	1-8,10	330	4.90	5.16	498	6.75	7.19	996	10.21	11.53
372	3.55	3.20	12.00	1-6	327	2.20	2.44	493	2.99	3.37	986	4.61	5.47
373	3.56	4.20	15.60	1-6	326	3.45	3.70	491	4.75	5.15	983	7.41	8.43
374	3.59	4.00	15.00	1-6	323	3.20	3.45	488	4.41	4.80	975	6.88	7.87
375	3.61	4.80	18.00	1-6	321	4.18	4.44	484	5.77	6.19	968	8.90	10.05
376	3.63	6.60	24.60	2-8,10	320	6.29	6.57	482	8.63	9.13	--	--	--
377	3.64	5.20	19.60	1-8,10	318	4.66	4.92	480	6.43	6.86	961	9.79	11.05
378	3.68	3.40	13.20	1-6	315	2.45	2.69	475	3.35	3.73	950	5.20	6.09
379	3.73	4.00	15.60	1-6	311	3.20	3.45	469	4.41	4.80	938	6.88	7.87
380	3.74	6.40	24.60	2-8,10	310	6.06	6.34	468	8.32	8.81	--	--	--
381	3.76	4.60	18.00	1-6	308	3.94	4.19	465	5.43	5.84	930	8.42	9.52
382	3.77	3.80	15.00	1-6	308	2.95	3.20	465	4.06	4.45	930	6.34	7.29
383	3.77	3.00	12.00	1-6	308	1.94	2.18	464	2.62	3.00	929	4.00	4.84
384	3.78	5.00	19.60	1-8,10	307	4.42	4.68	463	6.10	6.53	926	9.35	10.56
385	3.85	6.20	24.60	2-8,10	301	5.83	6.10	454	8.02	8.49	908	11.69	13.28
386	3.90	3.20	13.20	1-6	298	2.20	2.44	449	2.99	3.37	898	4.61	5.47
387	3.91	3.80	15.60	1-6	296	2.95	3.20	447	4.06	4.45	894	6.34	7.29
388	3.92	4.40	18.00	1-6	296	3.70	3.95	446	5.10	5.50	892	7.93	8.99
389	3.93	4.80	19.60	1-6	295	4.18	4.44	445	5.77	6.19	890	8.90	10.05
390	3.96	3.60	15.00	1-6	293	2.70	2.95	442	3.70	4.09	884	5.78	6.70
391	3.98	6.00	24.60	2-8,10	292	5.60	5.87	440	7.71	8.17	880	11.36	12.87
392	4.09	4.60	19.60	1-6	283	3.94	4.19	428	5.43	5.85	855	8.42	9.52
393	4.10	4.20	18.00	1-6	283	3.45	3.70	427	4.75	5.15	853	7.42	8.43
394	4.11	5.80	24.60	2-8,10	282	5.37	5.63	426	7.39	7.85	852	11.00	12.44
395	4.12	3.60	15.60	1-6	282	2.70	2.95	425	3.70	4.09	850	5.78	6.70
396	4.12	7.00	29.60	2-8,10	282	6.74	7.03	425	9.22	9.75	--	--	--
397	4.14	3.00	13.20	1-6	280	1.94	2.18	423	2.62	3.00	846	4.00	4.85
398	4.18	3.40	15.00	1-6	278	2.45	2.70	419	3.35	3.73	838	5.20	6.09
399	4.25	5.60	24.60	2-8,10	273	5.13	5.40	412	7.08	7.52	824	10.62	11.99
400	4.27	4.40	19.60	1-6	272	3.70	3.95	410	5.10	5.50	820	7.93	8.99

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲

															LINE #		
A42	A46	A51	A55	A60	A68	A75	A80	A85	A90	A96	A105	A112	A120	A128	A136		
--	--	--	--	13.6	17.8	21.4	24.0	26.6	29.1	32.2	36.7	40.3	44.3	48.3	52.3	351	
--	--	--	11.6	14.3	18.5	22.1	24.7	27.3	29.8	32.8	37.4	40.9	45.0	49.0	53.0	352	
10.1	12.3	14.9	16.9	19.5	23.5	27.1	29.6	32.1	34.6	37.6	42.1	45.7	49.7	53.7	57.7	353	
--	--	11.7	13.9	16.5	20.6	24.2	26.7	29.3	31.8	34.8	39.4	42.9	46.9	50.9	54.9	354	
--	--	--	--	--	--	16.7	19.3	22.0	24.6	27.7	32.3	35.9	40.0	44.0	48.1	355	
■ 0.80	0.83	0.84	0.85	0.88	0.93	0.94	0.96	0.98	1.00	1.02	1.04	1.06	1.08	1.09	1.11	■	356
--	10.6	13.2	15.3	17.9	22.0	25.6	28.1	30.6	33.1	36.2	40.7	44.2	48.2	52.2	56.2	357	
--	--	--	--	--	14.9	18.7	21.3	23.9	26.5	29.6	34.2	37.7	41.8	45.8	49.9	358	
--	--	--	--	13.7	17.9	21.6	24.2	26.7	29.3	32.3	36.9	40.4	44.4	48.5	52.5	359	
--	--	--	11.7	14.4	18.7	22.3	24.8	27.4	29.9	33.0	37.5	41.1	45.1	49.1	53.1	360	
--	--	--	--	--	--	16.8	19.5	22.1	24.7	27.8	32.5	36.0	40.1	44.2	48.2	361	
■ 0.00	0.80	0.85	0.84	0.87	0.90	0.93	0.95	0.98	0.99	1.01	1.04	1.06	1.07	1.09	1.11	■	362
--	--	11.9	14.0	16.6	20.8	24.3	26.9	29.4	32.0	35.0	39.5	43.0	47.1	51.1	55.1	363	
10.3	12.4	15.0	17.0	19.6	23.7	27.2	29.7	32.2	34.8	37.8	42.3	45.8	49.8	53.8	57.8	364	
--	--	--	--	--	15.1	18.8	21.5	24.1	26.7	29.7	34.3	37.9	41.9	46.0	50.0	365	
--	10.7	13.4	15.5	18.0	22.1	25.7	28.2	30.8	33.3	36.3	40.8	44.3	48.4	52.4	56.4	366	
--	--	--	--	--	--	16.9	19.6	22.3	24.9	28.0	32.6	36.2	40.2	44.3	48.4	367	
■ 0.79	0.81	0.84	0.87	0.90	0.92	0.94	0.96	0.98	1.00	1.02	1.04	1.06	1.08	1.09	1.11	■	368
--	--	--	--	13.8	18.1	21.7	24.3	26.9	29.4	32.5	37.0	40.6	44.6	48.6	52.6	369	
--	--	--	11.8	14.6	18.8	22.4	25.0	27.5	30.1	33.1	37.7	41.2	45.2	49.3	53.3	370	
--	--	--	--	--	--	--	--	--	18.8	22.1	26.9	30.6	34.7	38.8	42.9	371	
--	--	--	--	--	15.2	19.0	21.6	24.2	26.8	29.9	34.5	38.0	42.1	46.1	50.2	372	
--	--	12.0	14.1	16.8	20.9	24.5	27.0	29.6	32.1	35.1	39.7	43.2	47.2	51.2	55.2	373	
■ 0.00	0.00	0.82	0.83	0.86	0.90	0.94	0.96	0.98	0.97	1.00	1.03	1.05	1.07	1.08	1.10	■	374
--	--	--	--	--	--	17.0	19.7	22.4	25.0	28.1	32.7	36.3	40.4	44.4	48.5	375	
--	10.8	13.5	15.6	18.2	22.3	25.8	28.4	30.9	33.4	36.4	41.0	44.5	48.5	52.5	56.5	376	
--	--	--	--	13.9	18.2	21.9	24.4	27.0	29.5	32.6	37.2	40.7	44.7	48.8	52.8	377	
--	--	--	12.0	14.7	18.9	22.6	25.1	27.7	30.2	33.3	37.8	41.4	45.4	49.4	53.4	378	
--	--	--	--	--	15.3	19.1	21.7	24.3	26.9	30.0	34.6	38.2	42.2	46.3	50.3	379	
■ 0.00	0.80	0.84	0.84	0.87	0.90	0.93	0.95	0.97	0.99	1.01	1.04	1.05	1.07	1.09	1.10	■	380
--	--	--	--	--	--	--	--	--	19.0	22.3	27.2	30.8	35.0	39.1	43.2	381	
--	--	--	--	--	--	17.2	19.9	22.5	25.1	28.3	32.9	36.5	40.5	44.6	48.6	382	
--	--	12.1	14.3	16.9	21.0	24.6	27.2	29.7	32.2	35.3	39.8	43.3	47.4	51.4	55.4	383	
--	--	--	--	14.1	18.3	22.0	24.6	27.1	29.7	32.7	37.3	40.8	44.9	48.9	52.9	384	
--	--	--	--	--	--	--	--	--	19.1	22.5	27.3	31.0	35.1	39.2	43.3	385	
■ 0.00	0.00	0.81	0.85	0.86	0.92	0.92	0.95	0.97	0.95	0.98	1.01	1.03	1.05	1.07	1.09	■	386
--	--	--	--	15.4	19.2	21.9	24.5	27.1	30.2	34.8	38.3	42.4	46.4	50.5	54.5	387	
--	--	--	12.1	14.8	19.1	22.7	25.3	27.8	30.4	33.4	38.0	41.5	45.5	49.6	53.6	388	
--	10.9	13.6	15.7	18.3	22.4	26.0	28.5	31.0	33.6	36.6	41.1	44.6	48.7	52.7	56.7	389	
--	--	--	--	--	--	17.3	20.0	22.7	25.3	28.4	33.0	36.6	40.7	44.7	48.8	390	
--	--	--	--	--	--	--	--	--	19.3	22.6	27.4	31.1	35.3	39.4	43.5	391	
■ 0.00	0.79	0.84	0.84	0.88	0.90	0.92	0.95	0.97	0.97	0.99	1.02	1.04	1.06	1.08	1.10	■	392
--	--	12.2	14.4	17.0	21.2	24.8	27.3	29.9	32.4	35.4	40.0	43.5	47.5	51.5	55.5	393	
--	--	--	--	14.2	18.5	22.1	24.7	27.3	29.8	32.9	37.4	41.0	45.0	49.1	53.1	394	
--	--	--	--	--	15.6	19.4	22.0	24.6	27.2	30.3	34.9	38.5	42.5	46.6	50.6	395	
--	--	--	--	--	--	17.4	20.1	22.8	25.4	28.5	33.2	36.7	40.8	44.9	48.9	396	
--	--	--	12.2	15.0	19.2	22.8	25.4	28.0	30.5	33.6	38.1	41.7	45.7	49.7	53.7	397	
■ 0.00	0.00	0.81	0.83	0.86	0.90	0.92	0.95	0.97	0.99	1.01	1.03	1.05	1.07	1.09	1.10	■	398
--	--	--	--	--	--	--	--	--	19.4	22.7	27.5	31.2	35.4	39.5	43.6	399	
--	--	--	--	--	--	17.5	20.3	22.9	25.5	28.7	33.3	36.9	41.0	45.0	49.1	400	
--	--	--	--	--	15.7	19.5	22.1	24.8	27.3	30.4	35.0	38.6	42.7	46.7	50.7	391	
--	--	--	--	--	--	--	--	--	19.5	22.8	27.7	31.4	35.5	39.7	43.8	392	
--	--	--	11.5	14.3	18.6	22.3	24.8	27.4	30.0	33.0	37.6	41.1	45.2	49.2	53.2	393	
■ 0.00	0.00	0.00	0.77	0.84	0.87	0.90	0.93	0.96	0.94	0.97	1.00	1.03	1.05	1.07	1.09	■	394
--	--	--	--	--	--	--	--	--	--	--	21.4	25.4	29.8	34.0	38.2	395	
--	--	12.4	14.5	17.2	21.3	24.9	27.5	30.0	32.5	35.6	40.1	43.6	47.7	51.7	55.7	396	
--	--	--	12.3	15.1	19.3	23.0	25.5	28.1	30.6	33.7	38.3	41.8	45.8	49.9	53.9	397	
--	--	--	--	--	--	--	--	--	19.6	23.0	27.8	31.5	35.7	39.8	43.9	398	
--	--	--	--	--	--	17.7	20.4	23.0	25.7	28.8	33.4	37.0	41.1	45.2	49.2	399	
■ 0.00	0.00	0.81	0.82	0.87	0.92	0.92	0.95	0.97	0.96	0.99	0.99	1.02	1.04	1.06	1.08	■	400

▲ Not all available belt lengths are shown.

■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						AP	AX		AP	AX		AP	AX
401	4.29	4.00	18.00	1-6	270	3.20	3.45	408	4.41	4.80	815	6.89	7.87
402	4.34	3.40	15.60	1-6	267	2.45	2.70	403	3.35	3.73	806	5.20	6.09
403	4.36	6.60	29.60	2-8,10	266	6.29	6.57	402	8.63	9.13	--	--	--
404	4.40	5.40	24.60	2-8,10	264	4.90	5.16	398	6.76	7.19	796	10.22	11.53
405	4.42	3.20	15.00	1-6	262	2.20	2.44	396	2.99	3.37	792	4.61	5.48
406	4.46	4.20	19.60	1-6	260	3.45	3.70	392	4.75	5.15	785	7.42	8.44
407	4.49	6.40	29.60	2-8,10	258	6.06	6.34	390	8.33	8.81	--	--	--
408	4.51	3.80	18.00	1-6	257	2.96	3.20	388	4.06	4.45	777	6.34	7.29
409	4.56	5.20	24.60	2-8,10	254	4.66	4.92	384	6.43	6.86	768	9.80	11.05
410	4.59	3.20	15.60	1-6	252	2.20	2.44	381	2.99	3.37	762	4.61	5.48
411	4.63	6.20	29.60	2-8,10	251	5.83	6.10	378	8.02	8.50	756	11.70	13.28
412	4.67	4.00	19.60	1-6	248	3.20	3.45	375	4.41	4.80	749	6.89	7.87
413	4.69	3.00	15.00	1-6	247	1.94	2.18	373	2.63	3.00	746	4.00	4.85
414	4.73	5.00	24.60	2-8,10	245	4.42	4.68	370	6.10	6.53	739	9.36	10.56
415	4.74	3.60	18.00	1-6	245	2.71	2.95	369	3.71	4.09	738	5.78	6.70
416	4.78	6.00	29.60	2-8,10	243	5.60	5.87	366	7.71	8.18	733	11.36	12.87
417	4.88	3.00	15.60	1-6	238	1.94	2.18	359	2.63	3.00	718	4.00	4.85
418	4.90	3.80	19.60	1-6	237	2.96	3.20	357	4.06	4.45	714	6.34	7.29
419	4.92	4.80	24.60	2-6	236	4.18	4.44	356	5.77	6.19	711	8.90	10.05
420	4.93	5.80	29.60	2-8,10	235	5.37	5.64	355	7.40	7.85	709	11.00	12.44
421	5.00	3.40	18.00	1-6	232	2.45	2.70	350	3.35	3.73	700	5.21	6.10
422	5.10	5.60	29.60	2-8,10	227	5.14	5.40	343	7.08	7.53	686	10.62	11.99
423	5.12	4.60	24.60	2-6	226	3.94	4.19	342	5.44	5.85	683	8.43	9.53
424	5.16	3.60	19.60	1-6	225	2.71	2.95	339	3.71	4.09	679	5.78	6.70
425	5.22	7.00	37.60	2-8,10	222	6.74	7.03	335	9.23	9.75	--	--	--
426	5.28	5.40	29.60	2-8,10	220	4.90	5.16	331	6.76	7.20	662	10.22	11.53
427	5.29	3.20	18.00	1-6	219	2.20	2.44	331	2.99	3.37	662	4.61	5.48
428	5.34	4.40	24.60	2-6	217	3.70	3.95	327	5.10	5.50	655	7.93	8.99
429	5.44	3.40	19.60	1-6	213	2.45	2.70	322	3.35	3.73	644	5.21	6.10
430	5.48	5.20	29.60	2-8,10	212	4.66	4.92	320	6.43	6.86	639	9.80	11.05
431	5.53	6.60	37.60	2-8,10	210	6.29	6.57	317	8.63	9.13	--	--	--
432	5.58	4.20	24.60	2-6	208	3.45	3.70	313	4.76	5.15	627	7.42	8.44
433	5.62	3.00	18.00	1-6	207	1.94	2.18	312	2.63	3.00	623	4.01	4.85
434	5.69	5.00	29.60	2-8,10	204	4.42	4.68	308	6.10	6.53	616	9.36	10.56
435	5.69	6.40	37.60	2-8,10	204	6.06	6.34	307	8.33	8.81	--	--	--
436	5.75	3.20	19.60	1-6	202	2.20	2.44	304	2.99	3.37	608	4.61	5.48
437	5.85	4.00	24.60	2-6	198	3.21	3.45	299	4.41	4.80	599	6.89	7.87
438	5.87	6.20	37.60	2-8,10	198	5.83	6.11	298	8.02	8.50	596	11.70	13.29
439	5.91	4.80	29.60	2-6	196	4.18	4.44	296	5.77	6.19	592	8.90	10.05
440	6.06	6.00	37.60	2-8,10	192	5.60	5.87	289	7.71	8.18	578	11.36	12.87
441	6.11	3.00	19.60	1-6	190	1.94	2.18	287	2.63	3.00	573	4.01	4.85
442	6.14	3.80	24.60	2-6	189	2.96	3.20	285	4.06	4.45	570	6.35	7.29
443	6.15	4.60	29.60	2-6	188	3.94	4.19	284	5.44	5.85	569	8.43	9.53
444	6.26	5.80	37.60	2-8,10	185	5.37	5.64	280	7.40	7.85	559	11.00	12.44
445	6.42	4.40	29.60	2-6	181	3.70	3.95	273	5.10	5.50	545	7.93	8.99
446	6.45	3.60	24.60	2-6	180	2.71	2.95	271	3.71	4.09	542	5.79	6.70
447	6.47	5.60	37.60	2-8,10	179	5.14	5.40	270	7.08	7.53	541	10.62	12.00
448	6.70	5.40	37.60	2-8,10	173	4.90	5.16	261	6.76	7.20	522	10.22	11.53
449	6.71	4.20	29.60	2-6	173	3.45	3.70	261	4.76	5.15	522	7.42	8.44
450	6.81	3.40	24.60	2-6	170	2.45	2.70	257	3.35	3.73	514	5.21	6.10

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲																LINE #
A55	A60	A68	A75	A80	A85	A90	A96	A105	A112	A120	A128	A136	A144	A158	A173	
--	--	15.8	19.6	22.3	24.9	27.5	30.6	35.2	38.7	42.8	46.8	50.9	54.9	62.0	69.5	401
11.6	14.4	18.7	22.4	25.0	27.6	30.1	33.2	37.7	41.3	45.3	49.4	53.4	57.4	64.4	72.0	402
--	--	--	--	--	--	--	--	21.7	25.6	30.0	34.3	38.5	42.7	49.9	57.6	403
--	--	--	--	--	16.9	19.8	23.1	27.9	31.6	35.8	39.9	44.0	48.1	55.3	62.9	404
12.5	15.2	19.5	23.1	25.7	28.2	30.8	33.8	38.4	41.9	46.0	50.0	54.0	58.1	65.1	72.6	405
■ 0.79	■ 0.84	■ 0.88	■ 0.93	■ 0.95	■ 0.93	■ 0.96	■ 0.99	■ 0.99	■ 1.02	■ 1.04	■ 1.06	■ 1.08	■ 1.10	■ 1.12	■ 1.15	406
--	--	13.8	17.8	20.5	23.2	25.8	28.9	33.6	37.2	41.2	45.3	49.4	53.4	60.5	68.0	407
--	--	--	--	--	--	--	--	21.8	25.8	30.1	34.4	38.6	42.8	50.0	57.7	408
--	--	15.9	19.8	22.4	25.0	27.6	30.7	35.3	38.9	42.9	47.0	51.0	55.1	62.1	69.7	409
--	--	--	--	--	17.0	19.9	23.2	28.1	31.8	35.9	40.1	44.2	48.3	55.4	63.0	410
11.7	14.6	18.9	22.5	25.1	27.7	30.2	33.3	37.9	41.4	45.5	49.5	53.5	57.6	64.6	72.1	410
■ 0.77	■ 0.83	■ 0.84	■ 0.90	■ 0.93	■ 0.92	■ 0.95	■ 0.98	■ 0.98	■ 1.01	■ 1.04	■ 1.06	■ 1.08	■ 1.10	■ 1.12	■ 1.15	411
--	--	--	--	--	--	--	--	21.9	25.9	30.3	34.6	38.8	42.9	50.2	57.8	412
--	--	13.9	17.9	20.6	23.3	25.9	29.1	33.7	37.3	41.4	45.4	49.5	53.5	60.6	68.2	413
12.6	15.3	19.6	23.2	25.8	28.4	30.9	34.0	38.5	42.1	46.1	50.2	54.2	58.2	65.2	72.8	413
--	--	--	--	--	17.1	20.0	23.3	28.2	31.9	36.1	40.2	44.3	48.4	55.5	63.1	414
--	--	16.1	19.9	22.5	25.2	27.8	30.8	35.5	39.0	43.1	47.1	51.2	55.2	62.3	69.8	415
■ 0.80	■ 0.85	■ 0.85	■ 0.90	■ 0.93	■ 0.92	■ 0.95	■ 0.98	■ 0.98	■ 1.01	■ 1.04	■ 1.06	■ 1.08	■ 1.09	■ 1.12	■ 1.15	416
--	--	--	--	--	--	--	--	22.0	26.0	30.4	34.7	38.9	43.1	50.3	58.0	417
11.9	14.7	19.0	22.7	25.3	27.8	30.4	33.4	38.0	41.6	45.6	49.6	53.7	57.7	64.7	72.3	417
--	--	14.1	18.0	20.8	23.4	26.1	29.2	33.8	37.4	41.5	45.6	49.6	53.7	60.8	68.3	418
--	--	--	--	--	17.2	20.1	23.5	28.3	32.0	36.2	40.3	44.5	48.5	55.7	63.3	419
--	--	--	--	--	--	--	--	22.2	26.1	30.5	34.8	39.0	43.2	50.4	58.1	420
■ 0.77	■ 0.83	■ 0.84	■ 0.90	■ 0.93	■ 0.91	■ 0.94	■ 0.97	■ 0.95	■ 0.99	■ 1.02	■ 1.04	■ 1.06	■ 1.08	■ 1.11	■ 1.14	421
--	--	16.2	20.0	22.7	25.3	27.9	31.0	35.6	39.2	43.2	47.3	51.3	55.4	62.4	70.0	422
--	--	--	--	--	--	--	--	22.3	26.3	30.7	34.9	39.2	43.3	50.6	58.3	423
--	--	--	--	--	17.3	20.2	23.6	28.5	32.2	36.3	40.5	44.6	48.7	55.8	63.4	424
--	--	14.2	18.2	20.9	23.6	26.2	29.3	34.0	37.6	41.7	45.7	49.8	53.8	60.9	68.5	425
--	--	--	--	--	--	--	--	--	--	24.9	29.7	34.2	38.6	45.8	53.4	426
■ 0.00	■ 0.00	■ 0.82	■ 0.88	■ 0.92	■ 0.90	■ 0.93	■ 0.96	■ 0.97	■ 1.00	■ 1.03	■ 1.01	■ 1.04	■ 1.07	■ 1.10	■ 1.13	427
--	--	--	--	--	--	--	--	22.4	26.4	30.8	35.1	39.3	43.5	50.7	58.4	428
--	--	16.3	20.1	22.8	25.4	28.0	31.1	35.7	39.3	43.4	47.4	51.5	55.5	62.6	70.1	429
--	--	--	--	--	17.5	20.4	23.7	28.6	32.3	36.5	40.6	44.7	48.8	56.0	63.6	430
--	--	14.3	18.3	21.0	23.7	26.3	29.5	34.1	37.7	41.8	45.9	49.9	54.0	61.0	68.6	431
--	--	--	--	--	--	--	--	22.5	26.5	30.9	35.2	39.4	43.6	50.9	58.5	432
■ 0.00	■ 0.00	■ 0.81	■ 0.88	■ 0.91	■ 0.90	■ 0.93	■ 0.96	■ 0.95	■ 0.98	■ 1.01	■ 1.04	■ 1.06	■ 1.08	■ 1.11	■ 1.14	433
--	--	--	--	--	--	--	--	--	--	25.2	29.9	34.4	38.6	45.8	53.4	434
--	--	--	--	--	17.6	20.5	23.8	28.7	32.4	36.6	40.8	44.9	49.0	56.1	63.7	435
--	--	16.4	20.3	22.9	25.6	28.2	31.3	35.9	39.4	43.5	47.6	51.6	55.7	62.7	70.3	436
--	--	--	--	--	--	--	--	22.6	26.6	31.0	35.3	39.6	43.7	51.0	58.7	437
--	--	--	--	--	--	--	--	--	--	25.3	30.0	34.6	38.6	45.8	53.4	438
■ 0.00	■ 0.00	■ 0.84	■ 0.90	■ 0.93	■ 0.88	■ 0.92	■ 0.95	■ 0.95	■ 0.99	■ 1.02	■ 0.97	■ 1.01	■ 1.04	■ 1.08	■ 1.11	439
--	--	14.4	18.4	21.2	23.8	26.5	29.6	34.3	37.9	41.9	46.0	50.1	54.1	61.2	68.8	440
--	--	--	--	--	17.7	20.6	24.0	28.8	32.6	36.7	40.9	45.0	49.1	56.2	63.9	441
--	--	--	--	--	--	--	--	--	--	25.4	30.2	34.7	38.7	45.9	53.5	442
--	--	--	--	--	--	--	--	22.8	26.8	31.2	35.5	39.7	43.9	51.1	58.8	443
--	--	--	--	--	--	--	--	--	--	25.5	30.3	34.8	38.8	46.0	53.6	444
■ 0.00	■ 0.00	■ 0.78	■ 0.86	■ 0.90	■ 0.87	■ 0.91	■ 0.95	■ 0.95	■ 0.98	■ 1.01	■ 0.96	■ 1.01	■ 1.04	■ 1.08	■ 1.11	445
--	--	14.5	18.5	21.3	24.0	26.6	29.7	34.4	38.0	42.1	46.2	50.2	54.3	61.3	68.9	446
--	--	--	--	--	17.8	20.7	24.1	29.0	32.7	36.9	41.0	45.1	49.2	56.4	64.0	447
--	--	--	--	--	--	--	--	22.9	26.9	31.3	35.6	39.8	44.0	51.3	59.0	448
--	--	--	--	--	--	--	--	--	--	25.6	30.4	34.9	38.9	46.1	53.7	449
--	--	--	--	--	--	--	--	23.0	27.0	31.4	35.7	40.0	44.1	51.4	59.1	450
■ 0.00	■ 0.00	■ 0.78	■ 0.86	■ 0.90	■ 0.87	■ 0.91	■ 0.95	■ 0.93	■ 0.97	■ 1.00	■ 0.99	■ 1.03	■ 1.05	■ 1.09	■ 1.12	451
--	--	--	--	--	17.9	20.9	24.2	29.1	32.8	37.0	41.2	45.3	49.4	56.5	64.1	452
--	--	--	--	--	--	--	--	--	--	25.7	30.5	35.1	39.2	46.4	54.0	453
--	--	--	--	--	--	--	--	--	--	25.9	30.6	35.2	39.3	46.5	54.1	454
--	--	--	--	--	--	--	--	23.1	27.1	31.5	35.9	40.1	44.3	51.5	59.2	455
--	--	--	--	--	18.0	21.0	24.4	29.2	33.0	37.1	41.3	45.4	49.5	56.7	64.3	456
■ 0.00	■ 0.00	■ 0.00	■ 0.00	■ 0.00	■ 0.81	■ 0.87	■ 0.91	■ 0.93	■ 0.97	■ 1.00	■ 0.96	■ 1.00	■ 1.03	■ 1.07	■ 1.11	457

▲ Not all available belt lengths are shown.

■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						AP	AX		AP	AX		AP	AX
451	6.94	5.20	37.60	2-8,10	167	4.66	4.92	252	6.43	6.86	504	9.80	11.05
452	7.02	4.00	29.60	2-6	165	3.21	3.45	249	4.41	4.80	498	6.89	7.87
453	7.20	3.20	24.60	2-6	161	2.20	2.44	243	2.99	3.37	486	4.62	5.48
454	7.21	5.00	37.60	2-8,10	161	4.42	4.68	243	6.11	6.53	485	9.36	10.56
455	7.37	3.80	29.60	2-6	157	2.96	3.20	237	4.06	4.45	475	6.35	7.29
456	7.50	4.80	37.60	2-6	155	4.18	4.44	233	5.77	6.19	467	8.91	10.05
457	7.65	3.00	24.60	2-6	152	1.94	2.18	229	2.63	3.00	458	4.01	4.85
458	7.75	3.60	29.60	2-6	150	2.71	2.95	226	3.71	4.09	451	5.79	6.70
459	7.80	4.60	37.60	2-6	149	3.94	4.19	224	5.44	5.85	448	8.43	9.53
460	8.14	4.40	37.60	2-6	143	3.70	3.95	215	5.10	5.50	430	7.94	8.99
461	8.18	3.40	29.60	2-6	142	2.45	2.70	214	3.35	3.73	428	5.21	6.10
462	8.51	4.20	37.60	2-6	136	3.45	3.70	206	4.76	5.16	411	7.42	8.44
463	8.65	3.20	29.60	2-6	134	2.20	2.44	202	2.99	3.37	405	4.62	5.48
464	8.91	4.00	37.60	2-6	130	3.21	3.45	196	4.41	4.80	393	6.90	7.87
465	9.18	3.00	29.60	2-6	126	1.94	2.18	191	2.63	3.00	381	4.01	4.85
466	9.35	3.80	37.60	2-6	124	2.96	3.20	187	4.06	4.45	375	6.35	7.30
467	9.83	3.60	37.60	2-6	118	2.71	2.95	178	3.71	4.09	356	5.79	6.70
468	10.37	3.40	37.60	2-6	112	2.45	2.70	169	3.35	3.73	338	5.21	6.10
469	10.97	3.20	37.60	2-6	106	2.20	2.44	160	2.99	3.37	319	4.62	5.48
470	11.65	3.00	37.60	2-6	100	1.94	2.18	150	2.63	3.00	301	4.01	4.85

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲											LINE #	
A85	A90	A96	A105	A112	A120	A128	A136	A144	A158	A173		A180
--	--	--	--	--	--	26.0	30.8	35.3	43.0	51.0	54.6	451
--	--	--	23.2	27.3	31.7	36.0	40.2	44.4	51.7	59.4	63.0	452
18.2	21.1	24.5	29.4	33.1	37.3	41.4	45.6	49.7	56.8	64.4	68.0	453
--	--	--	--	--	--	26.1	30.9	35.4	43.1	51.1	54.8	454
--	--	--	23.4	27.4	31.8	36.1	40.4	44.5	51.8	59.5	63.1	455
■ 0.81	0.86	0.91	0.90	0.94	0.98	0.95	0.99	1.02	1.07	1.10	1.12 ■	
--	--	--	--	--	--	26.2	31.0	35.6	43.2	51.2	54.9	456
18.3	21.2	24.6	29.5	33.2	37.4	41.6	45.7	49.8	56.9	64.6	68.1	457
--	--	--	23.5	27.5	31.9	36.2	40.5	44.7	51.9	59.7	63.2	458
--	--	--	--	--	--	26.3	31.1	35.7	43.4	51.4	55.0	459
--	--	--	--	--	--	26.5	31.3	35.8	43.5	51.5	55.2	460
■ 0.81	0.86	0.91	0.91	0.95	0.99	0.91	0.97	1.01	1.05	1.09	1.11 ■	
--	--	--	23.6	27.6	32.1	36.4	40.6	44.8	52.1	59.8	63.4	461
--	--	--	--	--	--	26.6	31.4	35.9	43.6	51.6	55.3	462
--	--	--	23.7	27.7	32.2	36.5	40.8	45.0	52.2	59.9	63.5	463
--	--	--	--	--	--	26.7	31.5	36.1	43.8	51.8	55.4	464
--	--	18.2	23.8	27.9	32.3	36.6	40.9	45.1	52.4	60.1	63.7	465
■ 0.00	0.00	0.72	0.86	0.92	0.96	0.94	0.98	1.02	1.06	1.10	1.11 ■	
--	--	--	--	--	--	26.8	31.6	36.2	43.9	51.9	55.6	466
--	--	--	--	--	--	26.9	31.7	36.3	44.0	52.0	55.7	467
--	--	--	--	--	--	27.0	31.9	36.4	44.1	52.1	55.8	468
--	--	--	--	--	--	27.2	32.0	36.6	44.3	52.3	56.0	469
--	--	--	--	--	--	27.3	32.1	36.7	44.4	52.4	56.1	470
■ 0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.92	0.96	1.02	1.07	1.08 ■	

▲ Not all available belt lengths are shown.

■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						BP	BX		BP	BX		BP	BX
1	1.00	3.40	3.40	1-6	1160	1.77	2.86	1750	2.10	3.81	3500	1.65	5.45
2	1.00	3.60	3.60	1-6	1160	2.17	3.27	1750	2.66	4.40	3500	2.55	6.44
3	1.00	3.80	3.80	1-6	1160	2.57	3.68	1750	3.22	4.98	3500	3.43	7.41
4	1.00	4.00	4.00	1-6	1160	2.97	4.09	1750	3.78	5.56	3500	4.28	8.36
5	1.00	4.20	4.20	1-6	1160	3.36	4.50	1750	4.32	6.14	3500	5.10	9.28
6	1.00	4.40	4.40	1-6	1160	3.75	4.90	1750	4.87	6.71	3500	5.89	10.18
7	1.00	4.60	4.60	1-6	1160	4.14	5.30	1750	5.40	7.28	3500	6.65	11.06
8	1.00	4.80	4.80	1-6	1160	4.52	5.70	1750	5.93	7.84	3500	7.38	11.91
9	1.00	5.00	5.00	1-6	1160	4.90	6.10	1750	6.46	8.40	3500	8.09	12.74
10	1.00	5.20	5.20	1-6	1160	5.28	6.50	1750	6.98	8.95	3500	8.76	13.54
11	1.00	5.40	5.40	1-8,10	1160	5.66	6.89	1750	7.50	9.49	3500	9.40	14.32
12	1.00	5.60	5.60	1-8,10	1160	6.04	7.28	1750	8.00	10.04	3500	10.00	15.07
13	1.00	5.80	5.80	1-8,10	1160	6.41	7.67	1750	8.51	10.58	3500	10.58	15.80
14	1.00	6.00	6.00	1-8,10	1160	6.78	8.05	1750	9.00	11.11	3500	11.11	16.49
15	1.00	6.20	6.20	1-8,10	1160	7.14	8.44	1750	9.49	11.64	3500	11.61	17.16
16	1.00	6.40	6.40	1-8,10	1160	7.51	8.82	1750	9.98	12.16	3500	12.08	17.80
17	1.00	6.60	6.60	1-8,10	1160	7.87	9.20	1750	10.46	12.68	3500	12.51	18.41
18	1.00	6.80	6.80	1-8,10	1160	8.23	9.58	1750	10.93	13.19	...	...	...
19	1.00	7.00	7.00	1-8,10	1160	8.59	9.96	1750	11.40	13.70	...	...	...
20	1.00	7.40	7.40	1-8,10	1160	9.29	10.70	1750	12.31	14.70	...	...	...
21	1.00	8.00	8.00	1-8,10	1160	10.34	11.81	1750	13.63	16.16	...	...	...
22	1.00	8.60	8.60	1-8,10	1160	11.36	12.89	1750	14.90	17.57	...	...	...
23	1.00	9.40	9.40	1-8,10	1160	12.68	14.31	1750	16.48	19.38	...	...	...
24	1.03	6.80	7.00	1-8,10	1129	8.30	9.66	1703	11.04	13.30	...	...	...
25	1.03	6.60	6.80	1-8,10	1128	7.94	9.28	1701	10.57	12.79	3403	12.72	18.64
26	1.03	6.40	6.60	1-8,10	1127	7.58	8.90	1700	10.09	12.28	3400	12.30	18.04
27	1.03	6.20	6.40	1-8,10	1126	7.22	8.52	1699	9.61	11.76	3397	11.84	17.41
28	1.03	6.00	6.20	1-8,10	1125	6.85	8.14	1697	9.12	11.23	3394	11.35	16.75
29	1.03	5.80	6.00	1-8,10	1124	6.49	7.75	1695	8.63	10.71	3391	10.81	16.06
30	1.03	5.60	5.80	1-8,10	1123	6.12	7.37	1694	8.13	10.17	3387	10.25	15.34
31	1.03	5.40	5.60	1-8,10	1121	5.74	6.98	1692	7.62	9.63	3384	9.65	14.60
32	1.04	5.20	5.40	1-6	1120	5.37	6.59	1690	7.11	9.09	3380	9.02	13.83
33	1.04	5.00	5.20	1-6	1119	4.99	6.20	1688	6.60	8.54	3375	8.36	13.04
34	1.04	4.80	5.00	1-6	1117	4.61	5.80	1685	6.07	7.99	3371	7.67	12.22
35	1.04	4.60	4.80	1-6	1115	4.23	5.41	1683	5.55	7.43	3366	6.94	11.37
36	1.04	4.40	4.60	1-6	1114	3.85	5.01	1680	5.02	6.87	3360	6.19	10.51
37	1.04	4.20	4.40	1-6	1112	3.46	4.61	1677	4.48	6.31	3355	5.41	9.62
38	1.05	4.00	4.20	1-6	1110	3.08	4.21	1674	3.94	5.74	3348	4.60	8.71
39	1.05	3.80	4.00	1-6	1107	2.69	3.81	1671	3.39	5.17	3341	3.77	7.78
40	1.05	3.60	3.80	1-6	1105	2.29	3.40	1667	2.84	4.59	3334	2.91	6.83
41	1.05	3.40	3.60	1-6	1102	1.90	2.99	1663	2.28	4.01	3326	2.02	5.85
42	1.05	7.00	7.40	1-8,10	1101	8.71	10.09	1660	11.59	13.91	...	...	...
43	1.06	6.60	7.00	1-8,10	1097	8.00	9.35	1656	10.66	12.89	3311	12.91	18.84
44	1.06	6.40	6.80	1-8,10	1096	7.64	8.97	1653	10.18	12.38	3306	12.49	18.24
45	1.06	6.20	6.60	1-8,10	1094	7.28	8.59	1650	9.70	11.86	3300	12.03	17.61
46	1.06	6.00	6.40	1-8,10	1092	6.92	8.21	1647	9.22	11.34	3295	11.54	16.96
47	1.06	5.80	6.20	1-8,10	1090	6.55	7.83	1644	8.73	10.81	3288	11.02	16.28
48	1.07	5.60	6.00	1-8,10	1088	6.19	7.44	1641	8.23	10.28	3282	10.46	15.57
49	1.07	5.40	5.80	1-8,10	1085	5.82	7.06	1637	7.73	9.75	3275	9.87	14.83
50	1.07	5.20	5.60	1-6	1083	5.44	6.67	1634	7.22	9.21	3267	9.24	14.07

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲																LINE #
B35	B38	B42	B46	B51	B55	B60	B68	B75	B80	B85	B90	B96	B105	B112	B120	
13.1	14.6	16.6	18.6	21.1	23.1	25.6	29.6	33.1	36.1	38.1	40.6	44.1	48.1	51.6	55.6	1
12.7	14.2	16.2	18.2	20.7	22.7	25.2	29.2	32.7	35.7	37.7	40.2	43.7	47.7	51.2	55.2	2
12.4	13.9	15.9	17.9	20.4	22.4	24.9	28.9	32.4	35.4	37.4	39.9	43.4	47.4	50.9	54.9	3
12.1	13.6	15.6	17.6	20.1	22.1	24.6	28.6	32.1	35.1	37.1	39.6	43.1	47.1	50.6	54.6	4
11.8	13.3	15.3	17.3	19.8	21.8	24.3	28.3	31.8	34.8	36.8	39.3	42.8	46.8	50.3	54.3	5
■ 0.82	0.84	0.86	0.87	0.89	0.91	0.92	0.95	0.97	0.98	0.99	1.00	1.01	1.03	1.04	1.06	■
11.5	13.0	15.0	17.0	19.5	21.5	24.0	28.0	31.5	34.5	36.5	39.0	42.5	46.5	50.0	54.0	6
11.2	12.7	14.7	16.7	19.2	21.2	23.7	27.7	31.2	34.2	36.2	38.7	42.2	46.2	49.7	53.7	7
10.9	12.4	14.4	16.4	18.9	20.9	23.4	27.4	30.9	33.9	35.9	38.4	41.9	45.9	49.4	53.4	8
10.5	12.0	14.0	16.0	18.5	20.5	23.0	27.0	30.5	33.5	35.5	38.0	41.5	45.5	49.0	53.0	9
10.2	11.7	13.7	15.7	18.2	20.2	22.7	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	10
■ 0.82	0.84	0.86	0.87	0.89	0.91	0.92	0.95	0.97	0.98	0.99	1.00	1.01	1.03	1.04	1.06	■
9.9	11.4	13.4	15.4	17.9	19.9	22.4	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	11
9.6	11.1	13.1	15.1	17.6	19.6	22.1	26.1	29.6	32.6	34.6	37.1	40.6	44.6	48.1	52.1	12
9.3	10.8	12.8	14.8	17.3	19.3	21.8	25.8	29.3	32.3	34.3	36.8	40.3	44.3	47.8	51.8	13
9.0	10.5	12.5	14.5	17.0	19.0	21.5	25.5	29.0	32.0	34.0	36.5	40.0	44.0	47.5	51.5	14
8.7	10.2	12.2	14.2	16.7	18.7	21.2	25.2	28.7	31.7	33.7	36.2	39.7	43.7	47.2	51.2	15
■ 0.82	0.84	0.86	0.87	0.89	0.91	0.92	0.95	0.97	0.98	0.99	1.00	1.01	1.03	1.04	1.06	■
8.3	9.8	11.8	13.8	16.3	18.3	20.8	24.8	28.3	31.3	33.3	35.8	39.3	43.3	46.8	50.8	16
...	9.5	11.5	13.5	16.0	18.0	20.5	24.5	28.0	31.0	33.0	35.5	39.0	43.0	46.5	50.5	17
...	9.2	11.2	13.2	15.7	17.7	20.2	24.2	27.7	30.7	32.7	35.2	38.7	42.7	46.2	50.2	18
...	8.9	10.9	12.9	15.4	17.4	19.9	23.9	27.4	30.4	32.4	34.9	38.4	42.4	45.9	49.9	19
...	...	10.3	12.3	14.8	16.8	19.3	23.3	26.8	29.8	31.8	34.3	37.8	41.8	45.3	49.3	20
■ 0.82	0.84	0.86	0.87	0.89	0.91	0.92	0.95	0.97	0.98	0.99	1.00	1.01	1.03	1.04	1.06	■
...	...	...	11.3	13.8	15.8	18.3	22.3	25.8	28.8	30.8	33.3	36.8	40.8	44.3	48.3	21
...	...	...	10.4	12.9	14.9	17.4	21.4	24.9	27.9	29.9	32.4	35.9	39.9	43.4	47.4	22
...	...	...	...	11.6	13.6	16.1	20.1	23.6	26.6	28.6	31.1	34.6	38.6	42.1	46.1	23
...	9.1	11.1	13.1	15.6	17.6	20.1	24.1	27.6	30.6	32.6	35.1	38.6	42.6	46.1	50.1	24
...	9.4	11.4	13.4	15.9	17.9	20.4	24.4	27.9	30.9	32.9	35.4	38.9	42.9	46.4	50.4	25
■	0.83	0.85	0.87	0.89	0.91	0.92	0.95	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.06	■
...	9.7	11.7	13.7	16.2	18.2	20.7	24.7	28.2	31.2	33.2	35.7	39.2	43.2	46.7	50.7	26
8.5	10.0	12.0	14.0	16.5	18.5	21.0	25.0	28.5	31.5	33.5	36.0	39.5	43.5	47.0	51.0	27
8.8	10.3	12.3	14.3	16.8	18.8	21.3	25.3	28.8	31.8	33.8	36.3	39.8	43.8	47.3	51.3	28
9.1	10.6	12.6	14.6	17.1	19.1	21.6	25.6	29.1	32.1	34.1	36.6	40.1	44.1	47.6	51.6	29
9.4	10.9	12.9	14.9	17.4	19.4	21.9	25.9	29.4	32.4	34.4	36.9	40.4	44.4	47.9	51.9	30
■ 0.82	0.83	0.85	0.87	0.89	0.90	0.92	0.95	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.06	■
9.8	11.3	13.3	15.3	17.8	19.8	22.3	26.3	29.8	32.8	34.8	37.3	40.8	44.8	48.3	52.3	31
10.1	11.6	13.6	15.6	18.1	20.1	22.6	26.6	30.1	33.1	35.1	37.6	41.1	45.1	48.6	52.6	32
10.4	11.9	13.9	15.9	18.4	20.4	22.9	26.9	30.4	33.4	35.4	37.9	41.4	45.4	48.9	52.9	33
10.7	12.2	14.2	16.2	18.7	20.7	23.2	27.2	30.7	33.7	35.7	38.2	41.7	45.7	49.2	53.2	34
11.0	12.5	14.5	16.5	19.0	21.0	23.5	27.5	31.0	34.0	36.0	38.5	42.0	46.0	49.5	53.5	35
■ 0.82	0.83	0.85	0.87	0.89	0.90	0.92	0.95	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.06	■
11.3	12.8	14.8	16.8	19.3	21.3	23.8	27.8	31.3	34.3	36.3	38.8	42.3	46.3	49.8	53.8	36
11.6	13.1	15.1	17.1	19.6	21.6	24.1	28.1	31.6	34.6	36.6	39.1	42.6	46.6	50.1	54.1	37
12.0	13.5	15.5	17.5	20.0	22.0	24.5	28.5	32.0	35.0	37.0	39.5	43.0	47.0	50.5	54.5	38
12.3	13.8	15.8	17.8	20.3	22.3	24.8	28.8	32.3	35.3	37.3	39.8	43.3	47.3	50.8	54.8	39
12.6	14.1	16.1	18.1	20.6	22.6	25.1	29.1	32.6	35.6	37.6	40.1	43.6	47.6	51.1	55.1	40
■ 0.82	0.83	0.85	0.87	0.89	0.90	0.92	0.95	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.06	■
12.9	14.4	16.4	18.4	20.9	22.9	25.4	29.4	32.9	35.9	37.9	40.4	43.9	47.9	51.4	55.4	41
...	...	10.6	12.6	15.1	17.1	19.6	23.6	27.1	30.1	32.1	34.6	38.1	42.1	45.6	49.6	42
...	9.2	11.2	13.2	15.7	17.7	20.2	24.2	27.7	30.7	32.7	35.2	38.7	42.7	46.2	50.2	43
...	9.5	11.5	13.5	16.0	18.0	20.5	24.5	28.0	31.0	33.0	35.5	39.0	43.0	46.5	50.5	44
8.3	9.8	11.8	13.8	16.3	18.3	20.8	24.8	28.3	31.3	33.3	35.8	39.3	43.3	46.8	50.8	45
■ 0.82	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05	■
8.7	10.2	12.2	14.2	16.7	18.7	21.2	25.2	28.7	31.7	33.7	36.2	39.7	43.7	47.2	51.2	46
9.0	10.5	12.5	14.5	17.0	19.0	21.5	25.5	29.0	32.0	34.0	36.5	40.0	44.0	47.5	51.5	47
9.3	10.8	12.8	14.8	17.3	19.3	21.8	25.8	29.3	32.3	34.3	36.8	40.3	44.3	47.8	51.8	48
9.6	11.1	13.1	15.1	17.6	19.6	22.1	26.1	29.6	32.6	34.6	37.1	40.6	44.6	48.1	52.1	49
9.9	11.4	13.4	15.4	17.9	19.9	22.4	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	50
■ 0.82	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05	■

▲ Not all available belt lengths are shown.
 ■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						BP	BX		BP	BX		BP	BX
51	1.07	8.00	8.60	1-8,10	1083	10.50	11.98	1634	13.88	16.42	...	...	...
52	1.07	5.00	5.40	1-6	1080	5.07	6.28	1630	6.71	8.66	3259	8.58	13.28
53	1.08	4.80	5.20	1-6	1077	4.69	5.89	1625	6.19	8.11	3251	7.90	12.47
54	1.08	7.40	8.00	1-8,10	1077	9.46	10.89	1625	12.57	14.98	...	...	...
55	1.08	4.60	5.00	1-6	1074	4.31	5.49	1621	5.67	7.56	3241	7.18	11.63
56	1.08	4.40	4.80	1-6	1071	3.93	5.10	1616	5.14	7.01	3231	6.44	10.77
57	1.08	6.80	7.40	1-8,10	1071	8.41	9.78	1616	11.20	13.49	...	...	...
58	1.09	4.20	4.60	1-6	1067	3.55	4.70	1610	4.61	6.44	3221	5.66	9.89
59	1.09	6.40	7.00	1-8,10	1066	7.70	9.03	1608	10.27	12.47	3217	12.65	18.42
60	1.09	8.60	9.40	1-8,10	1065	11.55	13.10	1607	15.19	17.88	...	...	...
61	1.09	4.00	4.40	1-6	1064	3.16	4.30	1605	4.07	5.88	3209	4.86	8.99
62	1.09	6.20	6.80	1-8,10	1064	7.34	8.65	1604	9.79	11.95	3209	12.20	17.79
63	1.09	6.00	6.60	1-8,10	1061	6.98	8.27	1600	9.30	11.43	3201	11.71	17.14
64	1.09	3.80	4.20	1-6	1059	2.77	3.90	1598	3.52	5.31	3197	4.04	8.06
65	1.10	5.80	6.40	1-8,10	1058	6.61	7.89	1596	8.81	10.91	3192	11.19	16.46
66	1.10	3.60	4.00	1-6	1055	2.38	3.50	1591	2.98	4.74	3183	3.19	7.12
67	1.10	5.60	6.20	1-8,10	1055	6.24	7.50	1591	8.32	10.38	3182	10.63	15.75
68	1.10	5.40	6.00	1-8,10	1051	5.88	7.12	1586	7.82	9.84	3173	10.05	15.02
69	1.10	3.40	3.80	1-6	1050	1.99	3.09	1584	2.42	4.16	3168	2.31	6.16
70	1.11	5.20	5.80	1-6	1048	5.50	6.73	1581	7.31	9.31	3162	9.42	14.26
71	1.11	5.00	5.60	1-6	1044	5.13	6.34	1575	6.80	8.76	3151	8.77	13.48
72	1.11	6.60	7.40	1-8,10	1041	8.10	9.45	1571	10.81	13.05	3142	13.21	19.16
73	1.12	4.80	5.40	1-6	1040	4.76	5.95	1569	6.29	8.22	3139	8.09	12.67
74	1.12	4.60	5.20	1-6	1036	4.38	5.56	1563	5.77	7.67	3126	7.38	11.84
75	1.12	6.20	7.00	1-8,10	1035	7.39	8.70	1561	9.86	12.03	3122	12.34	17.94
76	1.12	4.40	5.00	1-6	1031	4.00	5.17	1556	5.24	7.11	3112	6.63	10.98
77	1.12	6.00	6.80	1-8,10	1031	7.02	8.32	1556	9.38	11.51	3112	11.86	17.29
78	1.13	5.80	6.60	1-8,10	1028	6.66	7.94	1550	8.89	10.98	3101	11.34	16.61
79	1.13	4.20	4.80	1-6	1026	3.61	4.77	1549	4.71	6.55	3097	5.87	10.10
80	1.13	5.60	6.40	1-8,10	1024	6.29	7.56	1545	8.39	10.46	3089	10.78	15.91
81	1.13	7.00	8.00	1-8,10	1022	8.85	10.24	1542	11.79	14.12	...	...	...
82	1.14	4.00	4.60	1-6	1021	3.23	4.37	1541	4.17	5.99	3081	5.07	9.21
83	1.14	5.40	6.20	1-8,10	1020	5.93	7.17	1538	7.90	9.92	3077	10.20	15.18
84	1.14	3.80	4.40	1-6	1015	2.84	3.97	1532	3.63	5.42	3064	4.25	8.29
85	1.14	5.20	6.00	1-6	1015	5.56	6.79	1532	7.39	9.39	3063	9.58	14.42
86	1.15	6.40	7.40	1-8,10	1012	7.79	9.12	1526	10.40	12.61	3052	12.92	18.69
87	1.15	5.00	5.80	1-6	1011	5.18	6.40	1525	6.88	8.84	3049	8.93	13.64
88	1.15	3.60	4.20	1-6	1009	2.46	3.57	1522	3.08	4.85	3045	3.40	7.35
89	1.15	4.80	5.60	1-6	1006	4.81	6.01	1517	6.37	8.30	3034	8.25	12.83
90	1.15	7.40	8.60	1-8,10	1006	9.58	11.01	1517	12.74	15.16	...	...	...
91	1.16	6.00	7.00	1-8,10	1004	7.07	8.36	1514	9.44	11.57	3028	11.98	17.42
92	1.16	3.40	4.00	1-6	1002	2.06	3.17	1512	2.53	4.28	3024	2.53	6.39
93	1.16	4.60	5.40	1-6	1000	4.43	5.62	1509	5.85	7.75	3018	7.54	12.00
94	1.16	5.80	6.80	1-8,10	999	6.70	7.98	1507	8.95	11.05	3015	11.46	16.75
95	1.16	9.40	11.00	1-8,10	997	12.98	14.63	1505	16.93	19.86	...	...	...
96	1.17	4.40	5.20	1-6	995	4.05	5.22	1501	5.32	7.19	3001	6.80	11.15
97	1.17	5.60	6.60	1-8,10	995	6.34	7.60	1500	8.46	10.52	3001	10.91	16.04
98	1.17	6.80	8.00	1-8,10	995	8.53	9.90	1500	11.39	13.68	...	...	...
99	1.17	8.00	9.40	1-8,10	995	10.64	12.13	1500	14.09	16.65	...	...	...
100	1.17	5.40	6.40	1-8,10	990	5.97	7.22	1493	7.96	9.99	2986	10.33	15.31

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲																LINE #
B35	B38	B42	B46	B51	B55	B60	B68	B75	B80	B85	B90	B96	B105	B112	B120	
...	...	...	10.9	13.4	15.4	17.9	21.9	25.4	28.4	30.4	32.9	36.4	40.4	43.9	47.9	51
10.2	11.7	13.7	15.7	18.2	20.2	22.7	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	52
10.5	12.0	14.0	16.0	18.5	20.5	23.0	27.0	30.5	33.5	35.5	38.0	41.5	45.5	49.0	53.0	53
...	...	9.8	11.8	14.3	16.3	18.8	22.8	26.3	29.3	31.3	33.8	37.3	41.3	44.8	48.8	54
10.9	12.4	14.4	16.4	18.9	20.9	23.4	27.4	30.9	33.9	35.9	38.4	41.9	45.9	49.4	53.4	55
■ 0.82	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05 ■	
11.2	12.7	14.7	16.7	19.2	21.2	23.7	27.7	31.2	34.2	36.2	38.7	42.2	46.2	49.7	53.7	56
...	...	10.7	12.7	15.2	17.2	19.7	23.7	27.2	30.2	32.2	34.7	38.2	42.2	45.7	49.7	57
11.5	13.0	15.0	17.0	19.5	21.5	24.0	28.0	31.5	34.5	36.5	39.0	42.5	46.5	50.0	54.0	58
...	9.4	11.4	13.4	15.9	17.9	20.4	24.4	27.9	30.9	32.9	35.4	38.9	42.9	46.4	50.4	59
...	...	...	...	12.3	14.3	16.8	20.8	24.3	27.3	29.3	31.8	35.3	39.3	42.8	46.8	60
■ 0.82	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05 ■	
11.8	13.3	15.3	17.3	19.8	21.8	24.3	28.3	31.8	34.8	36.8	39.3	42.8	46.8	50.3	54.3	61
...	9.7	11.7	13.7	16.2	18.2	20.7	24.7	28.2	31.2	33.2	35.7	39.2	43.2	46.7	50.7	62
8.5	10.0	12.0	14.0	16.5	18.5	21.0	25.0	28.5	31.5	33.5	36.0	39.5	43.5	47.0	51.0	63
12.1	13.6	15.6	17.6	20.1	22.1	24.6	28.6	32.1	35.1	37.1	39.6	43.1	47.1	50.6	54.6	64
8.8	10.3	12.3	14.3	16.8	18.8	21.3	25.3	28.8	31.8	33.8	36.3	39.8	43.8	47.3	51.3	65
■ 0.82	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05 ■	
12.4	13.9	15.9	17.9	20.4	22.4	24.9	28.9	32.4	35.4	37.4	39.9	43.4	47.4	50.9	54.9	66
9.1	10.6	12.6	14.6	17.1	19.1	21.6	25.6	29.1	32.1	34.1	36.6	40.1	44.1	47.6	51.6	67
9.4	10.9	12.9	14.9	17.4	19.4	21.9	25.9	29.4	32.4	34.4	36.9	40.4	44.4	47.9	51.9	68
12.7	14.2	16.2	18.2	20.7	22.7	25.2	29.2	32.7	35.7	37.7	40.2	43.7	47.7	51.2	55.2	69
9.8	11.3	13.3	15.3	17.8	19.8	22.3	26.3	29.8	32.8	34.8	37.3	40.8	44.8	48.3	52.3	70
■ 0.82	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05 ■	
10.1	11.6	13.6	15.6	18.1	20.1	22.6	26.6	30.1	33.1	35.1	37.6	41.1	45.1	48.6	52.6	71
...	8.9	10.9	12.9	15.4	17.4	19.9	23.9	27.4	30.4	32.4	34.9	38.4	42.4	45.9	49.9	72
10.4	11.9	13.9	15.9	18.4	20.4	22.9	26.9	30.4	33.4	35.4	37.9	41.4	45.4	48.9	52.9	73
10.7	12.2	14.2	16.2	18.7	20.7	23.2	27.2	30.7	33.7	35.7	38.2	41.7	45.7	49.2	53.2	74
...	9.5	11.5	13.5	16.0	18.0	20.5	24.5	28.0	31.0	33.0	35.5	39.0	43.0	46.5	50.5	75
■ 0.81	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05 ■	
11.0	12.5	14.5	16.5	19.0	21.0	23.5	27.5	31.0	34.0	36.0	38.5	42.0	46.0	49.5	53.5	76
8.3	9.8	11.8	13.8	16.3	18.3	20.8	24.8	28.3	31.3	33.3	35.8	39.3	43.3	46.8	50.8	77
8.7	10.2	12.2	14.2	16.7	18.7	21.2	25.2	28.7	31.7	33.7	36.2	39.7	43.7	47.2	51.2	78
11.3	12.8	14.8	16.8	19.3	21.3	23.8	27.8	31.3	34.3	36.3	38.8	42.3	46.3	49.8	53.8	79
9.0	10.5	12.5	14.5	17.0	19.0	21.5	25.5	29.0	32.0	34.0	36.5	40.0	44.0	47.5	51.5	80
■ 0.81	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05 ■	
...	...	10.1	12.1	14.6	16.6	19.1	23.1	26.6	29.6	31.6	34.1	37.6	41.6	45.1	49.1	81
11.6	13.1	15.1	17.1	19.6	21.6	24.1	28.1	31.6	34.6	36.6	39.1	42.6	46.6	50.1	54.1	82
9.3	10.8	12.8	14.8	17.3	19.3	21.8	25.8	29.3	32.3	34.3	36.8	40.3	44.3	47.8	51.8	83
12.0	13.5	15.5	17.5	20.0	22.0	24.5	28.5	32.0	35.0	37.0	39.5	43.0	47.0	50.5	54.5	84
9.6	11.1	13.1	15.1	17.6	19.6	22.1	26.1	29.6	32.6	34.6	37.1	40.6	44.6	48.1	52.1	85
■ 0.81	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05 ■	
...	9.0	11.1	13.1	15.6	17.6	20.1	24.1	27.6	30.6	32.6	35.1	38.6	42.6	46.1	50.1	86
9.9	11.4	13.4	15.4	17.9	19.9	22.4	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	87
12.3	13.8	15.8	17.8	20.3	22.3	24.8	28.8	32.3	35.3	37.3	39.8	43.3	47.3	50.8	54.8	88
10.2	11.7	13.7	15.7	18.2	20.2	22.7	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	89
...	...	...	11.3	13.8	15.8	18.3	22.3	25.8	28.8	30.8	33.3	36.8	40.8	44.3	48.3	90
■ 0.81	0.83	0.85	0.86	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05 ■	
...	9.7	11.7	13.7	16.2	18.2	20.7	24.7	28.2	31.2	33.2	35.7	39.2	43.2	46.7	50.7	91
12.6	14.1	16.1	18.1	20.6	22.6	25.1	29.1	32.6	35.6	37.6	40.1	43.6	47.6	51.1	55.1	92
10.5	12.0	14.0	16.0	18.5	20.5	23.0	27.0	30.5	33.5	35.5	38.0	41.5	45.5	49.0	53.0	93
8.5	10.0	12.0	14.0	16.5	18.5	21.0	25.0	28.5	31.5	33.5	36.0	39.5	43.5	47.0	51.0	94
...	...	...	...	...	12.4	14.9	18.9	22.4	25.4	27.4	29.9	33.4	37.4	40.9	44.9	95
■ 0.81	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05 ■	
10.9	12.4	14.4	16.4	18.9	20.9	23.4	27.4	30.9	33.9	35.9	38.4	41.9	45.9	49.4	53.4	96
8.8	10.3	12.3	14.3	16.8	18.8	21.3	25.3	28.8	31.8	33.8	36.3	39.8	43.8	47.3	51.3	97
...	...	10.3	12.3	14.8	16.8	19.3	23.3	26.8	29.8	31.8	34.3	37.8	41.8	45.3	49.3	98
...	...	...	...	12.7	14.7	17.2	21.2	24.7	27.7	29.7	32.2	35.7	39.7	43.2	47.2	99
9.1	10.6	12.6	14.6	17.1	19.1	21.6	25.6	29.1	32.1	34.1	36.6	40.1	44.1	47.6	51.6	100
■ 0.81	0.83	0.85	0.86	0.88	0.90	0.92	0.94	0.96	0.98	0.98	1.00	1.01	1.03	1.04	1.05 ■	

▲ Not all available belt lengths are shown.
 ■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						BP	BX		BP	BX		BP	BX
101	1.17	4.20	5.00	1-6	989	3.67	4.83	1491	4.79	6.64	2983	6.03	10.27
102	1.18	5.20	6.20	106	985	5.60	6.83	1485	7.46	9.45	2971	9.71	14.56
103	1.18	4.00	4.80	1-6	982	3.29	4.43	1481	4.25	6.07	2963	5.24	9.38
104	1.18	6.20	7.40	1-8,10	982	7.46	8.78	1481	9.97	12.15	2962	12.57	18.18
105	1.18	5.00	6.00	1-6	979	5.23	6.44	1477	6.95	8.91	2954	9.06	13.77
106	1.19	3.80	4.60	1-6	975	2.90	4.03	1471	3.71	5.51	2941	4.42	8.46
107	1.19	4.80	5.80	1-6	973	4.85	6.05	1468	6.43	8.37	2937	8.38	12.97
108	1.19	5.80	7.00	1-8,10	972	6.74	8.02	1467	9.01	11.11	2933	11.57	16.86
109	1.20	3.60	4.40	1-6	967	2.51	3.63	1459	3.17	4.94	2918	3.57	7.52
110	1.20	4.60	5.60	1-6	967	4.47	5.66	1459	5.91	7.82	2918	7.67	12.14
111	1.20	5.60	6.80	1-8,10	967	6.37	7.64	1459	8.51	10.58	2918	11.02	16.15
112	1.20	6.60	8.00	1-8,10	967	8.21	9.56	1459	10.97	13.22	2918	13.53	19.49
113	1.21	5.40	6.60	1-8,10	962	6.00	7.25	1451	8.01	10.05	2901	10.43	15.42
114	1.21	4.40	5.40	1-6	960	4.10	5.27	1449	5.39	7.26	2898	6.93	11.29
115	1.21	3.40	4.20	1-6	959	2.12	3.23	1447	2.62	4.36	2893	2.70	6.56
116	1.21	5.20	6.40	1-6	956	5.63	6.87	1442	7.51	9.51	2884	9.82	14.67
117	1.22	7.00	8.60	1-8,10	954	8.94	10.33	1439	11.93	14.26	...	...	...
118	1.22	4.20	5.20	1-6	953	3.71	4.87	1438	4.86	6.70	2876	6.16	10.41
119	1.22	6.00	7.40	1-8,10	952	7.13	8.43	1436	9.54	11.68	2873	12.18	17.63
120	1.22	5.00	6.20	1-6	950	5.26	6.48	1432	7.00	8.97	2865	9.17	13.89
121	1.23	4.00	5.00	1-6	946	3.33	4.47	1427	4.32	6.14	2853	5.37	9.51
122	1.23	4.80	6.00	1-6	943	4.89	6.09	1423	6.49	8.42	2845	8.49	13.08
123	1.23	5.60	7.00	1-8,10	941	6.40	7.67	1419	8.56	10.62	2839	11.11	16.25
124	1.23	6.40	8.00	1-8,10	939	7.88	9.21	1417	10.54	12.75	2834	13.20	18.98
125	1.24	3.80	4.80	1-6	937	2.94	4.08	1414	3.78	5.58	2829	4.55	8.59
126	1.24	4.60	5.80	1-6	936	4.51	5.70	1412	5.97	7.87	2824	7.78	12.25
127	1.24	5.40	6.80	1-8,10	935	6.04	7.28	1410	8.06	10.09	2821	10.53	15.52
128	1.25	3.60	4.60	1-6	929	2.56	3.67	1401	3.24	5.01	2802	3.71	7.66
129	1.25	4.40	5.60	1-6	929	4.13	5.30	1401	5.44	7.32	2802	7.04	11.40
130	1.25	5.20	6.60	1-6	928	5.67	6.90	1401	7.56	9.55	2801	9.91	14.76
131	1.25	6.80	8.60	1-8,10	928	8.61	9.98	1401	11.51	13.80	...	...	...
132	1.26	7.40	9.40	1-8,10	924	9.68	11.11	1393	12.90	15.31	...	...	...
133	1.26	5.80	7.40	1-8,10	922	6.79	8.08	1392	9.09	11.19	2783	11.75	17.03
134	1.26	5.00	6.40	1-6	922	5.29	6.51	1390	7.05	9.01	2781	9.26	13.98
135	1.26	4.20	5.40	1-6	921	3.75	4.91	1389	4.91	6.76	2777	6.27	10.52
136	1.26	3.40	4.40	1-6	919	2.17	3.27	1386	2.69	4.43	2773	2.84	6.70
137	1.27	8.60	11.00	1-8,10	916	11.75	13.31	1382	15.49	18.20	...	...	...
138	1.27	4.80	6.20	1-6	914	4.92	6.12	1380	6.53	8.47	2759	8.58	13.17
139	1.27	4.00	5.20	1-6	912	3.37	4.51	1376	4.38	6.20	2752	5.48	9.62
140	1.27	6.20	8.00	1-8,10	912	7.54	8.86	1376	10.10	12.27	2751	12.82	18.43
141	1.28	5.40	7.00	1-8,10	910	6.06	7.31	1372	8.10	10.13	2745	10.61	15.59
142	1.28	4.60	6.00	1-6	907	4.54	5.73	1368	6.01	7.92	2736	7.87	12.34
143	1.28	3.80	5.00	1-6	903	2.98	4.11	1362	3.84	5.63	2724	4.66	8.70
144	1.29	5.20	6.80	1-6	903	5.69	6.92	1362	7.60	9.59	2724	9.99	14.84
145	1.29	6.60	8.60	1-8,10	903	8.28	9.63	1362	11.07	13.32	2723	13.74	19.70
146	1.29	4.40	5.80	1-6	899	4.16	5.33	1356	5.49	7.36	2711	7.13	11.49
147	1.30	5.00	6.60	1-6	895	5.32	6.54	1351	7.09	9.05	2701	9.34	14.05
148	1.30	3.60	4.80	1-6	893	2.59	3.71	1347	3.29	5.06	2694	3.81	7.76
149	1.30	5.60	7.40	1-8,10	893	6.45	7.72	1347	8.63	10.70	2694	11.26	16.39
150	1.30	4.20	5.60	1-6	890	3.78	4.94	1343	4.96	6.80	2685	6.36	10.61

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲																LINE #
B35	B38	B42	B46	B51	B55	B60	B68	B75	B80	B85	B90	B96	B105	B112	B120	
11.2	12.7	14.7	16.7	19.2	21.2	23.7	27.7	31.2	34.2	36.2	38.7	42.2	46.2	49.7	53.7	101
9.4	10.9	12.9	14.9	17.4	19.4	21.9	25.9	29.4	32.4	34.4	36.9	40.4	44.4	47.9	51.9	102
11.5	13.0	15.0	17.0	19.5	21.5	24.0	28.0	31.5	34.5	36.5	39.0	42.5	46.5	50.0	54.0	103
...	9.2	11.2	13.2	15.7	17.7	20.2	24.2	27.7	30.7	32.7	35.2	38.7	42.7	46.2	50.2	104
9.7	11.2	13.3	15.3	17.8	19.8	22.3	26.3	29.8	32.8	34.8	37.3	40.8	44.8	48.3	52.3	105
■ 0.81	0.83	0.85	0.86	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05 ■	
11.8	13.3	15.3	17.3	19.8	21.8	24.3	28.3	31.8	34.8	36.8	39.3	42.8	46.8	50.3	54.3	106
10.1	11.6	13.6	15.6	18.1	20.1	22.6	26.6	30.1	33.1	35.1	37.6	41.1	45.1	48.6	52.6	107
8.3	9.8	11.8	13.8	16.3	18.3	20.8	24.8	28.3	31.3	33.3	35.8	39.3	43.3	46.8	50.8	108
12.1	13.6	15.6	17.6	20.1	22.1	24.6	28.6	32.1	35.1	37.1	39.6	43.1	47.1	50.6	54.6	109
10.4	11.9	13.9	15.9	18.4	20.4	22.9	26.9	30.4	33.4	35.4	37.9	41.4	45.4	48.9	52.9	110
■ 0.81	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.04	1.05 ■	
8.6	10.1	12.1	14.1	16.7	18.7	21.2	25.2	28.7	31.7	33.7	36.2	39.7	43.7	47.2	51.2	111
...	...	10.4	12.4	14.9	16.9	19.4	23.4	26.9	29.9	31.9	34.4	37.9	41.9	45.4	49.4	112
9.0	10.5	12.5	14.5	17.0	19.0	21.5	25.5	29.0	32.0	34.0	36.5	40.0	44.0	47.5	51.5	113
10.7	12.2	14.2	16.2	18.7	20.7	23.2	27.2	30.7	33.7	35.7	38.2	41.7	45.7	49.2	53.2	114
12.4	13.9	15.9	17.9	20.4	22.4	24.9	28.9	32.4	35.4	37.4	39.9	43.4	47.4	50.9	54.9	115
■ 0.81	0.83	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	0.98	1.00	1.01	1.03	1.04	1.05 ■	
9.3	10.8	12.8	14.8	17.3	19.3	21.8	25.8	29.3	32.3	34.3	36.8	40.3	44.3	47.8	51.8	116
...	...	9.6	11.6	14.1	16.1	18.6	22.6	26.1	29.1	31.1	33.6	37.1	41.1	44.6	48.6	117
11.0	12.5	14.5	16.5	19.0	21.0	23.5	27.5	31.0	34.0	36.0	38.5	42.0	46.0	49.5	53.5	118
...	9.3	11.4	13.4	15.9	17.9	20.4	24.4	27.9	30.9	32.9	35.4	38.9	42.9	46.4	50.4	119
9.6	11.1	13.1	15.1	17.6	19.6	22.1	26.1	29.6	32.6	34.6	37.1	40.6	44.6	48.1	52.1	120
■ 0.81	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.97	0.98	1.00	1.01	1.03	1.04	1.05 ■	
11.3	12.8	14.8	16.8	19.3	21.3	23.8	27.8	31.3	34.3	36.3	38.8	42.3	46.3	49.8	53.8	121
9.9	11.4	13.4	15.4	17.9	19.9	22.4	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	122
8.5	10.0	12.0	14.0	16.5	18.5	21.0	25.0	28.5	31.5	33.5	36.0	39.5	43.5	47.0	51.0	123
...	...	10.6	12.6	15.1	17.1	19.6	23.6	27.1	30.1	32.1	34.6	38.1	42.1	45.6	49.6	124
11.6	13.1	15.1	17.1	19.6	21.6	24.1	28.1	31.6	34.6	36.6	39.1	42.6	46.6	50.1	54.1	125
■ 0.81	0.83	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	0.98	1.00	1.01	1.03	1.04	1.05 ■	
10.2	11.7	13.7	15.7	18.2	20.2	22.7	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	126
8.8	10.3	12.3	14.3	16.8	18.8	21.3	25.3	28.8	31.8	33.8	36.3	39.8	43.8	47.3	51.3	127
11.9	13.5	15.5	17.5	20.0	22.0	24.5	28.5	32.0	35.0	37.0	39.5	43.0	47.0	50.5	54.5	128
10.5	12.0	14.0	16.0	18.5	20.5	23.0	27.0	30.5	33.5	35.5	38.0	41.5	45.5	49.0	53.0	129
9.1	10.6	12.6	14.6	17.1	19.1	21.6	25.6	29.1	32.1	34.1	36.6	40.1	44.1	47.6	51.6	130
■ 0.81	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	0.98	1.00	1.01	1.03	1.04	1.05 ■	
...	...	9.8	11.8	14.3	16.3	18.8	22.8	26.3	29.3	31.3	33.8	37.3	41.3	44.8	48.8	131
...	...	...	10.7	13.2	15.2	17.7	21.7	25.2	28.2	30.2	32.7	36.2	40.2	43.7	47.7	132
...	9.5	11.5	13.5	16.0	18.0	20.5	24.5	28.0	31.0	33.0	35.5	39.0	43.0	46.5	50.5	133
9.4	10.9	12.9	14.9	17.4	19.4	21.9	25.9	29.4	32.4	34.4	36.9	40.4	44.4	47.9	51.9	134
10.8	12.3	14.3	16.3	18.9	20.9	23.4	27.4	30.9	33.9	35.9	38.4	41.9	45.9	49.4	53.4	135
■ 0.81	0.82	0.84	0.86	0.88	0.90	0.91	0.94	0.96	0.97	0.98	0.99	1.01	1.02	1.04	1.05 ■	
12.3	13.8	15.8	17.8	20.3	22.3	24.8	28.8	32.3	35.3	37.3	39.8	43.3	47.3	50.8	54.8	136
...	...	...	...	...	13.0	15.5	19.5	23.0	26.0	28.0	30.5	34.0	38.0	41.5	45.5	137
9.7	11.2	13.2	15.2	17.7	19.7	22.2	26.3	29.8	32.8	34.8	37.3	40.8	44.8	48.3	52.3	138
11.2	12.7	14.7	16.7	19.2	21.2	23.7	27.7	31.2	34.2	36.2	38.7	42.2	46.2	49.7	53.7	139
...	...	10.7	12.7	15.2	17.2	19.7	23.7	27.2	30.2	32.2	34.7	38.2	42.2	45.7	49.7	140
■ 0.81	0.83	0.84	0.86	0.88	0.89	0.91	0.94	0.96	0.97	0.98	0.99	1.01	1.02	1.04	1.05 ■	
8.6	10.1	12.1	14.1	16.6	18.6	21.1	25.1	28.6	31.7	33.7	36.2	39.7	43.7	47.2	51.2	141
10.1	11.6	13.6	15.6	18.1	20.1	22.6	26.6	30.1	33.1	35.1	37.6	41.1	45.1	48.6	52.6	142
11.5	13.0	15.0	17.0	19.5	21.5	24.0	28.0	31.5	34.5	36.5	39.0	42.5	46.5	50.0	54.0	143
8.9	10.4	12.4	14.4	17.0	19.0	21.5	25.5	29.0	32.0	34.0	36.5	40.0	44.0	47.5	51.5	144
...	...	9.9	11.9	14.4	16.4	18.9	22.9	26.4	29.4	31.4	33.9	37.4	41.4	45.0	49.0	145
■ 0.80	0.82	0.84	0.86	0.88	0.90	0.91	0.94	0.96	0.97	0.98	0.99	1.01	1.03	1.04	1.05 ■	
10.4	11.9	13.9	15.9	18.4	20.4	22.9	26.9	30.4	33.4	35.4	37.9	41.4	45.4	48.9	52.9	146
9.3	10.8	12.8	14.8	17.3	19.3	21.8	25.8	29.3	32.3	34.3	36.8	40.3	44.3	47.8	51.8	147
11.8	13.3	15.3	17.3	19.8	21.8	24.3	28.3	31.8	34.8	36.8	39.3	42.8	46.8	50.3	54.3	148
...	9.6	11.7	13.7	16.2	18.2	20.7	24.7	28.2	31.2	33.2	35.7	39.2	43.2	46.7	50.7	149
10.7	12.2	14.2	16.2	18.7	20.7	23.2	27.2	30.7	33.7	35.7	38.2	41.7	45.7	49.2	53.2	150
■ 0.81	0.82	0.84	0.86	0.88	0.90	0.91	0.94	0.96	0.97	0.98	1.00	1.01	1.03	1.04	1.05 ■	

▲ Not all available belt lengths are shown.
 ■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						BP	BX		BP	BX		BP	BX
151	1.31	9.40	12.40	1-8,10	888	13.10	14.75	1340	17.12	20.04	...	...	...
152	1.31	4.80	6.40	1-6	888	4.94	6.14	1339	6.57	8.51	2678	8.66	13.25
153	1.31	6.00	8.00	1-8,10	884	7.20	8.50	1334	9.64	11.78	2668	12.39	17.84
154	1.31	3.40	4.60	1-6	882	2.20	3.31	1331	2.74	4.48	2662	2.94	6.80
155	1.32	4.00	5.40	1-6	881	3.40	4.54	1329	4.42	6.24	2657	5.57	9.71
156	1.32	4.60	6.20	1-6	879	4.57	5.75	1327	6.05	7.95	2653	7.95	12.41
157	1.32	5.20	7.00	1-6	878	5.71	6.95	1325	7.63	9.63	2650	10.06	14.90
158	1.32	6.40	8.60	1-8,10	877	7.94	9.27	1323	10.63	12.84	2646	13.38	19.16
159	1.32	7.00	9.40	1-8,10	876	9.02	10.41	1322	12.05	14.38	...	...	...
160	1.33	3.80	5.20	1-6	871	3.01	4.14	1314	3.88	5.67	2627	4.75	8.79
161	1.33	4.40	6.00	1-6	871	4.19	5.36	1313	5.52	7.40	2627	7.21	11.56
162	1.33	5.00	6.80	1-6	871	5.34	6.56	1313	7.12	9.08	2627	9.40	14.12
163	1.34	5.40	7.40	1-8,10	863	6.10	7.35	1302	8.16	10.19	2604	10.73	15.72
164	1.35	4.80	6.60	1-6	862	4.97	6.17	1301	6.60	8.54	2602	8.72	13.31
165	1.35	4.20	5.80	1-6	861	3.80	4.96	1299	4.99	6.84	2599	6.44	10.68
166	1.35	3.60	5.00	1-6	860	2.62	3.74	1297	3.33	5.10	2595	3.90	7.84
167	1.35	5.80	8.00	1-8,10	857	6.86	8.14	1292	9.18	11.28	2585	11.93	17.21
168	1.36	8.00	11.00	1-8,10	855	10.79	12.28	1290	14.31	16.87	...	...	...
169	1.36	4.60	6.40	1-6	854	4.59	5.77	1288	6.08	7.99	2575	8.01	12.48
170	1.36	6.80	9.40	1-8,10	853	8.68	10.05	1286	11.61	13.90	...	...	...
171	1.36	4.00	5.60	1-6	851	3.42	4.56	1284	4.46	6.28	2569	5.64	9.78
172	1.36	6.20	8.60	1-8,10	851	7.60	8.91	1284	10.18	12.35	2568	12.98	18.58
173	1.37	3.40	4.80	1-6	848	2.23	3.33	1280	2.78	4.52	2560	3.02	6.88
174	1.37	5.00	7.00	1-6	847	5.36	6.57	1278	7.15	9.11	2556	9.46	14.17
175	1.37	4.40	6.20	1-6	844	4.21	5.38	1274	5.56	7.43	2547	7.27	11.62
176	1.38	3.80	5.40	1-6	841	3.03	4.16	1268	3.92	5.71	2537	4.82	8.86
177	1.38	4.80	6.80	1-6	838	4.98	6.18	1265	6.63	8.56	2530	8.78	13.36
178	1.39	4.20	6.00	1-6	834	3.82	4.98	1259	5.02	6.87	2518	6.50	10.74
179	1.39	5.20	7.40	1-6	833	5.75	6.98	1257	7.68	9.68	2514	10.16	15.01
180	1.40	3.60	5.20	1-6	829	2.64	3.76	1251	3.37	5.13	2502	3.97	7.91
181	1.40	4.60	6.60	1-6	829	4.61	5.79	1251	6.11	8.01	2502	8.07	12.53
182	1.40	5.60	8.00	1-8,10	829	6.50	7.77	1251	8.71	10.77	2502	11.42	16.54
183	1.40	6.60	9.40	1-8,10	829	8.34	9.69	1251	11.17	13.41	2501	13.92	19.88
184	1.41	6.00	8.60	1-8,10	825	7.25	8.54	1245	9.71	11.85	2490	12.53	17.97
185	1.41	4.00	5.80	1-6	824	3.44	4.58	1243	4.49	6.30	2486	5.70	9.84
186	1.42	4.40	6.40	1-6	819	4.23	5.40	1236	5.58	7.46	2473	7.32	11.67
187	1.42	3.40	5.00	1-6	817	2.25	3.35	1233	2.82	4.56	2465	3.09	6.95
188	1.42	8.60	12.40	1-8,10	816	11.83	13.39	1231	15.62	18.32	...	...	...
189	1.42	4.80	7.00	1-6	816	5.00	6.20	1231	6.66	8.59	2461	8.83	13.41
190	1.43	3.80	5.60	1-6	813	3.05	4.18	1226	3.94	5.73	2452	4.88	8.91
191	1.43	9.40	13.60	1-8,10	812	13.16	14.81	1225	17.21	20.13	...	...	...
192	1.43	4.20	6.20	1-6	809	3.84	5.00	1221	5.05	6.89	2441	6.55	10.79
193	1.44	4.60	6.80	1-6	806	4.62	5.80	1216	6.13	8.03	2432	8.11	12.57
194	1.44	6.40	9.40	1-8,10	805	7.99	9.32	1215	10.71	12.92	2430	13.54	19.31
195	1.44	5.00	7.40	1-6	804	5.39	6.60	1212	7.19	9.15	2425	9.55	14.26
196	1.45	5.40	8.00	1-8,10	802	6.15	7.39	1209	8.23	10.26	2418	10.87	15.84
197	1.45	3.60	5.40	1-6	801	2.66	3.78	1208	3.40	5.16	2416	4.03	7.96
198	1.45	5.80	8.60	1-8,10	800	6.90	8.17	1206	9.24	11.34	2413	12.05	17.32
199	1.45	4.00	6.00	1-6	798	3.46	4.60	1204	4.51	6.33	2408	5.75	9.88
200	1.46	4.40	6.60	1-6	796	4.24	5.41	1201	5.61	7.48	2402	7.37	11.71

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲																LINE #
B35	B38	B42	B46	B51	B55	B60	B68	B75	B80	B85	B90	B96	B105	B112	B120	
...	...	...	...	...	...	13.7	17.7	21.2	24.2	26.2	28.7	32.2	36.2	39.7	43.8	151
9.6	11.1	13.1	15.1	17.6	19.6	22.1	26.1	29.6	32.6	34.6	37.1	40.6	44.6	48.1	52.1	152
...	8.8	10.9	12.9	15.4	17.4	19.9	23.9	27.4	30.4	32.4	34.9	38.4	42.4	45.9	49.9	153
12.1	13.6	15.6	17.6	20.1	22.1	24.6	28.6	32.1	35.1	37.1	39.6	43.1	47.1	50.6	54.6	154
11.0	12.5	14.5	16.5	19.0	21.0	23.5	27.5	31.0	34.0	36.0	38.5	42.0	46.0	49.5	53.5	155
■ 0.81	0.82	0.84	0.86	0.88	0.90	0.91	0.94	0.96	0.97	0.98	0.99	1.01	1.02	1.04	1.05	■
9.9	11.4	13.4	15.4	17.9	19.9	22.4	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	156
8.8	10.3	12.3	14.3	16.8	18.8	21.3	25.3	28.8	31.8	33.8	36.3	39.8	43.8	47.3	51.3	157
...	...	10.1	12.1	14.6	16.6	19.1	23.1	26.6	29.6	31.6	34.1	37.6	41.6	45.1	49.1	158
...	...	...	11.0	13.5	15.5	18.0	22.0	25.5	28.5	30.5	33.0	36.5	40.5	44.0	48.0	159
11.3	12.8	14.8	16.8	19.3	21.3	23.8	27.8	31.3	34.3	36.3	38.8	42.3	46.3	49.8	53.8	160
■ 0.80	0.82	0.84	0.86	0.88	0.89	0.91	0.94	0.96	0.97	0.98	0.99	1.01	1.02	1.04	1.05	■
10.2	11.7	13.7	15.7	18.2	20.2	22.7	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	161
9.1	10.6	12.6	14.6	17.1	19.1	21.6	25.6	29.1	32.1	34.1	36.6	40.1	44.1	47.6	51.6	162
8.3	9.8	11.8	13.8	16.3	18.3	20.8	24.8	28.3	31.3	33.3	35.8	39.3	43.3	46.8	50.8	163
9.4	10.9	12.9	14.9	17.4	19.4	21.9	25.9	29.4	32.4	34.4	36.9	40.4	44.4	47.9	51.9	164
10.5	12.0	14.0	16.0	18.5	20.5	23.0	27.0	30.5	33.5	35.5	38.0	41.5	45.5	49.0	53.0	165
■ 0.80	0.82	0.84	0.86	0.88	0.90	0.91	0.94	0.96	0.97	0.98	0.99	1.01	1.02	1.04	1.05	■
11.6	13.1	15.1	17.1	19.6	21.6	24.1	28.1	31.6	34.6	36.6	39.1	42.6	46.6	50.1	54.1	166
...	9.0	11.0	13.0	15.5	17.5	20.0	24.0	27.5	30.5	32.5	35.0	38.5	42.5	46.0	50.0	167
...	...	...	...	11.4	13.4	15.9	19.9	23.4	26.4	28.4	30.9	34.4	38.4	42.0	46.0	168
9.7	11.2	13.2	15.2	17.7	19.7	22.2	26.2	29.7	32.7	34.7	37.2	40.8	44.8	48.3	52.3	169
...	...	...	11.1	13.6	15.6	18.1	22.1	25.6	28.6	30.6	33.2	36.7	40.7	44.2	48.2	170
■ 0.80	0.82	0.84	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.98	0.99	1.01	1.02	1.04	1.05	■
10.8	12.3	14.3	16.3	18.8	20.8	23.3	27.3	30.8	33.9	35.9	38.4	41.9	45.9	49.4	53.4	171
...	...	10.2	12.2	14.7	16.7	19.2	23.2	26.7	29.8	31.8	34.3	37.8	41.8	45.3	49.3	172
11.9	13.4	15.4	17.4	19.9	21.9	24.4	28.5	32.0	35.0	37.0	39.5	43.0	47.0	50.5	54.5	173
8.9	10.4	12.4	14.4	16.9	18.9	21.5	25.5	29.0	32.0	34.0	36.5	40.0	44.0	47.5	51.5	174
10.0	11.5	13.5	15.5	18.1	20.1	22.6	26.6	30.1	33.1	35.1	37.6	41.1	45.1	48.6	52.6	175
■ 0.80	0.82	0.84	0.86	0.88	0.89	0.91	0.94	0.96	0.97	0.98	0.99	1.01	1.02	1.04	1.05	■
11.1	12.6	14.7	16.7	19.2	21.2	23.7	27.7	31.2	34.2	36.2	38.7	42.2	46.2	49.7	53.7	176
9.2	10.7	12.8	14.8	17.3	19.3	21.8	25.8	29.3	32.3	34.3	36.8	40.3	44.3	47.8	51.8	177
10.3	11.9	13.9	15.9	18.4	20.4	22.9	26.9	30.4	33.4	35.4	37.9	41.4	45.4	48.9	52.9	178
8.4	9.9	12.0	14.0	16.5	18.5	21.0	25.0	28.5	31.5	33.5	36.0	39.5	43.5	47.0	51.0	179
11.5	13.0	15.0	17.0	19.5	21.5	24.0	28.0	31.5	34.5	36.5	39.0	42.5	46.5	50.0	54.0	180
■ 0.80	0.82	0.84	0.86	0.88	0.90	0.91	0.94	0.96	0.97	0.98	0.99	1.01	1.02	1.04	1.05	■
9.6	11.1	13.1	15.1	17.6	19.6	22.1	26.1	29.6	32.6	34.6	37.1	40.6	44.6	48.1	52.1	181
...	9.1	11.2	13.2	15.7	17.7	20.2	24.2	27.7	30.7	32.7	35.2	38.7	42.7	46.2	50.2	182
...	...	...	11.2	13.8	15.8	18.3	22.3	25.8	28.8	30.8	33.3	36.8	40.8	44.3	48.3	183
...	...	10.4	12.4	14.9	16.9	19.4	23.4	26.9	29.9	31.9	34.4	37.9	41.9	45.4	49.4	184
10.7	12.2	14.2	16.2	18.7	20.7	23.2	27.2	30.7	33.7	35.7	38.2	41.7	45.7	49.2	53.2	185
■ 0.80	0.81	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.98	0.99	1.01	1.02	1.04	1.05	■
9.9	11.4	13.4	15.4	17.9	19.9	22.4	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	186
11.8	13.3	15.3	17.3	19.8	21.8	24.3	28.3	31.8	34.8	36.8	39.3	42.8	46.8	50.3	54.3	187
...	...	...	...	...	...	14.3	18.3	21.8	24.8	26.8	29.3	32.9	36.9	40.4	44.4	188
9.1	10.6	12.6	14.6	17.1	19.1	21.6	25.6	29.1	32.1	34.1	36.6	40.1	44.1	47.6	51.6	189
11.0	12.5	14.5	16.5	19.0	21.0	23.5	27.5	31.0	34.0	36.0	38.5	42.0	46.0	49.5	53.5	190
■ 0.80	0.82	0.84	0.86	0.88	0.89	0.91	0.93	0.95	0.97	0.98	0.99	1.01	1.02	1.04	1.05	■
...	...	...	...	...	...	...	16.7	20.2	23.2	25.2	27.8	31.3	35.3	38.8	42.8	191
10.2	11.7	13.7	15.7	18.2	20.2	22.7	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	192
9.4	10.9	12.9	14.9	17.4	19.4	21.9	25.9	29.4	32.4	34.4	36.9	40.4	44.4	47.9	51.9	193
...	...	...	11.4	13.9	15.9	18.4	22.4	25.9	29.0	31.0	33.5	37.0	41.0	44.5	48.5	194
8.6	10.1	12.1	14.1	16.6	18.6	21.1	25.1	28.6	31.6	33.6	36.1	39.6	43.6	47.1	51.1	195
■ 0.79	0.81	0.84	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.98	0.99	1.00	1.02	1.03	1.05	■
...	9.3	11.3	13.3	15.8	17.8	20.3	24.3	27.8	30.8	32.8	35.4	38.9	42.9	46.4	50.4	196
11.3	12.8	14.8	16.8	19.3	21.3	23.8	27.8	31.3	34.3	36.3	38.8	42.3	46.3	49.8	53.8	197
...	...	10.5	12.5	15.0	17.0	19.5	23.5	27.1	30.1	32.1	34.6	38.1	42.1	45.6	49.6	198
10.5	12.0	14.0	16.0	18.5	20.5	23.0	27.0	30.5	33.5	35.5	38.0	41.5	45.5	49.0	53.0	199
9.7	11.2	13.2	15.2	17.7	19.7	22.2	26.2	29.7	32.7	34.7	37.2	40.7	44.7	48.2	52.2	200
■ 0.80	0.81	0.83	0.85	0.88	0.89	0.91	0.94	0.96	0.97	0.98	0.99	1.01	1.02	1.04	1.05	■

▲ Not all available belt lengths are shown.
 ■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						BP	BX		BP	BX		BP	BX
201	1.46	7.40	11.00	1-8,10	794	9.79	11.21	1198	13.05	15.47	...	...	...
202	1.47	3.40	5.20	1-6	788	2.27	3.37	1189	2.84	4.58	2378	3.15	7.00
203	1.47	3.80	5.80	1-6	787	3.07	4.20	1187	3.97	5.76	2373	4.93	8.96
204	1.48	4.20	6.40	1-6	785	3.86	5.01	1185	5.07	6.91	2370	6.60	10.83
205	1.48	4.60	7.00	1-6	784	4.63	5.82	1183	6.15	8.05	2367	8.15	12.61
206	1.48	6.20	9.40	1-8,10	782	7.64	8.95	1179	10.25	12.41	2359	13.12	18.72
207	1.50	3.60	5.60	1-6	774	2.68	3.79	1168	3.42	5.18	2336	4.07	8.01
208	1.50	4.00	6.20	1-6	774	3.47	4.61	1168	4.53	6.35	2336	5.79	9.92
209	1.50	4.40	6.80	1-6	774	4.25	5.42	1168	5.62	7.49	2335	7.41	11.75
210	1.50	4.80	7.40	1-6	774	5.02	6.22	1168	6.69	8.62	2335	8.90	13.48
211	1.50	5.20	8.00	1-6	774	5.79	7.01	1168	7.74	9.73	2335	10.28	15.11
212	1.50	5.60	8.60	1-8,10	774	6.54	7.80	1168	8.76	10.82	2335	11.52	16.64
213	1.52	4.20	6.60	1-6	763	3.87	5.02	1151	5.09	6.93	2302	6.63	10.86
214	1.52	3.80	6.00	1-6	762	3.08	4.21	1150	3.99	5.78	2299	4.97	8.99
215	1.52	8.00	12.40	1-8,10	762	10.85	12.33	1149	14.40	16.95	...	...	...
216	1.52	3.40	5.40	1-6	761	2.28	3.38	1148	2.87	4.60	2296	3.19	7.04
217	1.53	6.00	9.40	1-8,10	758	7.29	8.58	1144	9.78	11.90	2287	12.66	18.08
218	1.54	7.00	11.00	1-8,10	753	9.10	10.49	1137	12.17	14.50	...	...	...
219	1.54	4.40	7.00	1-6	753	4.26	5.43	1136	5.64	7.51	2272	7.44	11.78
220	1.54	4.00	6.40	1-6	751	3.48	4.62	1134	4.55	6.36	2267	5.83	9.96
221	1.55	3.60	5.80	1-6	749	2.69	3.80	1130	3.44	5.20	2261	4.11	8.04
222	1.55	5.40	8.60	1-8,10	748	6.18	7.42	1129	8.27	10.30	2257	10.96	15.93
223	1.55	5.00	8.00	1-6	746	5.42	6.63	1126	7.24	9.20	2252	9.65	14.35
224	1.55	8.60	13.60	1-8,10	746	11.87	13.43	1126	15.68	18.38	...	...	...
225	1.56	4.60	7.40	1-6	744	4.66	5.84	1123	6.19	8.08	2246	8.22	12.67
226	1.56	4.20	6.80	1-6	742	3.88	5.03	1119	5.11	6.95	2238	6.66	10.89
227	1.57	3.80	6.20	1-6	739	3.09	4.22	1115	4.01	5.79	2230	5.00	9.03
228	1.58	3.40	5.60	1-6	736	2.30	3.40	1110	2.88	4.62	2219	3.23	7.07
229	1.58	5.80	9.40	1-8,10	734	6.93	8.21	1108	9.30	11.39	2216	12.15	17.42
230	1.58	6.80	11.00	1-8,10	733	8.75	10.12	1106	11.72	14.00	...	...	...
231	1.59	4.00	6.60	1-6	730	3.49	4.63	1101	4.57	6.38	2202	5.86	9.98
232	1.60	3.60	6.00	1-6	726	2.70	3.81	1095	3.46	5.21	2190	4.14	8.07
233	1.61	5.20	8.60	1-6	722	5.81	7.04	1090	7.78	9.77	2180	10.35	15.18
234	1.61	4.20	7.00	1-6	722	3.89	5.04	1089	5.12	6.96	2178	6.69	10.92
235	1.61	9.40	15.40	1-8,10	720	13.21	14.86	1086	17.28	20.20	...	...	...
236	1.61	4.80	8.00	1-6	719	5.05	6.25	1084	6.73	8.66	2169	8.98	13.55
237	1.62	3.80	6.40	1-6	717	3.10	4.23	1082	4.02	5.80	2164	5.03	9.05
238	1.62	4.40	7.40	1-6	715	4.28	5.45	1078	5.67	7.53	2156	7.49	11.83
239	1.63	6.60	11.00	1-8,10	713	8.40	9.75	1075	11.26	13.50	2151	14.11	20.05
240	1.63	3.40	5.80	1-6	712	2.31	3.40	1074	2.90	4.63	2148	3.26	7.10
241	1.63	5.60	9.40	1-8,10	711	6.57	7.83	1072	8.81	10.86	2145	11.61	16.72
242	1.63	4.00	6.80	1-6	710	3.50	4.64	1071	4.58	6.39	2141	5.89	10.01
243	1.64	7.40	12.40	1-8,10	707	9.83	11.25	1067	13.12	15.53	...	...	...
244	1.65	3.60	6.20	1-6	704	2.71	3.82	1062	3.47	5.23	2124	4.17	8.10
245	1.66	3.80	6.60	1-6	697	3.11	4.23	1051	4.03	5.82	2103	5.05	9.07
246	1.67	5.00	8.60	1-6	697	5.44	6.65	1051	7.27	9.23	2102	9.71	14.41
247	1.67	8.00	13.60	1-8,10	696	10.88	12.36	1051	14.45	16.99	...	...	...
248	1.67	9.40	16.00	1-8,10	694	13.22	14.86	1046	17.30	20.21	...	...	...
249	1.68	6.40	11.00	1-8,10	692	8.05	9.37	1045	10.79	12.99	2089	13.71	19.47
250	1.68	4.60	8.00	1-6	691	4.68	5.86	1043	6.22	8.11	2086	8.28	12.73

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲																LINE #
B35	B38	B42	B46	B51	B55	B60	B68	B75	B80	B85	B90	B96	B105	B112	B120	
...	...	...	...	11.8	13.8	16.3	20.4	23.9	26.9	28.9	31.4	34.9	38.9	42.4	46.4	201
11.6	13.1	15.1	17.1	19.6	21.6	24.1	28.1	31.6	34.6	36.6	39.1	42.6	46.6	50.1	54.1	202
10.8	12.3	14.3	16.3	18.8	20.8	23.3	27.3	30.8	33.8	35.8	38.3	41.8	45.8	49.4	53.4	203
10.0	11.5	13.5	15.5	18.0	20.0	22.5	26.6	30.1	33.1	35.1	37.6	41.1	45.1	48.6	52.6	204
9.2	10.7	12.7	14.7	17.2	19.3	21.8	25.8	29.3	32.3	34.3	36.8	40.3	44.3	47.8	51.8	205
■ 0.80	0.82	0.84	0.86	0.87	0.89	0.91	0.93	0.95	0.97	0.98	0.99	1.01	1.02	1.04	1.05	■
...	...	...	11.5	14.1	16.1	18.6	22.6	26.1	29.1	31.1	33.6	37.1	41.1	44.6	48.6	206
11.1	12.6	14.6	16.6	19.1	21.2	23.7	27.7	31.2	34.2	36.2	38.7	42.2	46.2	49.7	53.7	207
10.3	11.8	13.8	15.9	18.4	20.4	22.9	26.9	30.4	33.4	35.4	37.9	41.4	45.4	48.9	52.9	208
9.5	11.0	13.0	15.1	17.6	19.6	22.1	26.1	29.6	32.6	34.6	37.1	40.6	44.6	48.1	52.1	209
8.7	10.2	12.2	14.3	16.8	18.8	21.3	25.3	28.8	31.8	33.8	36.3	39.8	43.8	47.3	51.3	210
■ 0.79	0.81	0.84	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.98	0.99	1.01	1.02	1.04	1.05	■
...	9.4	11.4	13.5	16.0	18.0	20.5	24.5	28.0	31.0	33.0	35.5	39.0	43.0	46.5	50.5	211
...	...	10.6	12.7	15.2	17.2	19.7	23.7	27.2	30.2	32.2	34.7	38.2	42.2	45.7	49.7	212
9.8	11.4	13.4	15.4	17.9	19.9	22.4	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	213
10.6	12.2	14.2	16.2	18.7	20.7	23.2	27.2	30.7	33.7	35.7	38.2	41.7	45.7	49.2	53.2	214
...	...	...	...	...	12.2	14.7	18.7	22.3	25.3	27.3	29.8	33.3	37.3	40.8	44.8	215
■ 0.80	0.81	0.83	0.85	0.87	0.88	0.90	0.93	0.95	0.97	0.98	0.99	1.00	1.02	1.03	1.05	■
11.4	12.9	15.0	17.0	19.5	21.5	24.0	28.0	31.5	34.5	36.5	39.0	42.5	46.5	50.0	54.0	216
...	...	9.7	11.7	14.2	16.2	18.7	22.7	26.2	29.3	31.3	33.8	37.3	41.3	44.8	48.8	217
...	...	...	...	12.1	14.1	16.6	20.7	24.2	27.2	29.2	31.7	35.2	39.2	42.7	46.7	218
9.4	10.9	12.9	14.9	17.4	19.4	21.9	25.9	29.4	32.4	34.4	36.9	40.4	44.4	47.9	51.9	219
10.2	11.7	13.7	15.7	18.2	20.2	22.7	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	220
■ 0.80	0.81	0.83	0.85	0.87	0.89	0.90	0.93	0.95	0.97	0.98	0.99	1.00	1.02	1.03	1.05	■
11.0	12.5	14.5	16.5	19.0	21.0	23.5	27.5	31.0	34.0	36.0	38.5	42.0	46.0	49.5	53.5	221
...	8.8	10.8	12.8	15.3	17.3	19.8	23.9	27.4	30.4	32.4	34.9	38.4	42.4	45.9	49.9	222
...	9.6	11.6	13.6	16.1	18.1	20.6	24.6	28.1	31.2	33.2	35.7	39.2	43.2	46.7	50.7	223
...	...	...	...	...	...	13.2	17.3	20.8	23.8	25.8	28.4	31.9	35.9	39.4	43.4	224
8.9	10.4	12.4	14.4	16.9	18.9	21.4	25.4	28.9	31.9	33.9	36.4	40.0	44.0	47.5	51.5	225
■ 0.79	0.80	0.83	0.85	0.87	0.89	0.90	0.93	0.95	0.97	0.98	0.99	1.00	1.02	1.03	1.05	■
9.7	11.2	13.2	15.2	17.7	19.7	22.2	26.2	29.7	32.7	34.7	37.2	40.7	44.7	48.2	52.2	226
10.5	12.0	14.0	16.0	18.5	20.5	23.0	27.0	30.5	33.5	35.5	38.0	41.5	45.5	49.0	53.0	227
11.3	12.8	14.8	16.8	19.3	21.3	23.8	27.8	31.3	34.3	36.3	38.8	42.3	46.3	49.8	53.8	228
...	...	9.8	11.8	14.3	16.4	18.9	22.9	26.4	29.4	31.4	33.9	37.4	41.4	44.9	48.9	229
...	...	...	...	12.2	14.3	16.8	20.8	24.3	27.3	29.3	31.9	35.4	39.4	42.9	46.9	230
■ 0.80	0.81	0.83	0.85	0.87	0.88	0.90	0.93	0.95	0.97	0.98	0.99	1.00	1.02	1.03	1.05	■
10.0	11.5	13.5	15.5	18.0	20.0	22.5	26.5	30.0	33.0	35.1	37.6	41.1	45.1	48.6	52.6	231
10.8	12.3	14.3	16.3	18.8	20.8	23.3	27.3	30.8	33.8	35.8	38.3	41.8	45.8	49.3	53.3	232
...	8.9	10.9	12.9	15.5	17.5	20.0	24.0	27.5	30.5	32.5	35.0	38.5	42.5	46.0	50.0	233
9.5	11.0	13.0	15.0	17.5	19.6	22.1	26.1	29.6	32.6	34.6	37.1	40.6	44.6	48.1	52.1	234
...	...	...	...	...	...	...	15.1	18.7	21.7	23.7	26.3	29.8	33.8	37.3	41.3	235
■ 0.79	0.81	0.83	0.85	0.87	0.89	0.91	0.92	0.95	0.96	0.97	0.99	1.00	1.02	1.03	1.05	■
8.2	9.7	11.7	13.8	16.3	18.3	20.8	24.8	28.3	31.3	33.3	35.8	39.3	43.3	46.8	50.8	236
10.3	11.8	13.8	15.8	18.3	20.3	22.9	26.9	30.4	33.4	35.4	37.9	41.4	45.4	48.9	52.9	237
9.0	10.5	12.5	14.6	17.1	19.1	21.6	25.6	29.1	32.1	34.1	36.6	40.1	44.1	47.6	51.6	238
...	...	...	...	12.4	14.4	16.9	21.0	24.5	27.5	29.5	32.0	35.5	39.5	43.0	47.0	239
11.1	12.6	14.6	16.6	19.1	21.1	23.6	27.6	31.2	34.2	36.2	38.7	42.2	46.2	49.7	53.7	240
■ 0.79	0.81	0.83	0.85	0.87	0.88	0.90	0.93	0.95	0.97	0.98	0.99	1.00	1.02	1.03	1.05	■
...	...	9.9	12.0	14.5	16.5	19.0	23.0	26.6	29.6	31.6	34.1	37.6	41.6	45.1	49.1	241
9.8	11.3	13.3	15.4	17.9	19.9	22.4	26.4	29.9	32.9	34.9	37.4	40.9	44.9	48.4	52.4	242
...	...	...	...	...	12.6	15.1	19.2	22.7	25.7	27.7	30.2	33.8	37.8	41.3	45.3	243
10.6	12.1	14.1	16.2	18.7	20.7	23.2	27.2	30.7	33.7	35.7	38.2	41.7	45.7	49.2	53.2	244
10.1	11.6	13.7	15.7	18.2	20.2	22.7	26.7	30.2	33.2	35.2	37.7	41.2	45.2	48.7	52.7	245
■ 0.79	0.81	0.83	0.85	0.87	0.88	0.90	0.93	0.95	0.97	0.98	0.99	1.00	1.02	1.03	1.05	■
...	9.0	11.1	13.1	15.6	17.6	20.1	24.2	27.7	30.7	32.7	35.2	38.7	42.7	46.2	50.2	246
...	...	...	...	...	...	13.6	17.7	21.3	24.3	26.3	28.8	32.3	36.3	39.8	43.8	247
...	...	...	...	...	...	...	14.6	18.2	21.2	23.2	25.7	29.3	33.3	36.8	40.8	248
...	...	...	...	12.5	14.6	17.1	21.1	24.6	27.6	29.6	32.2	35.7	39.7	43.2	47.2	249
8.3	9.9	11.9	13.9	16.4	18.4	20.9	24.9	28.5	31.5	33.5	36.0	39.5	43.5	47.0	51.0	250
■ 0.77	0.79	0.82	0.84	0.86	0.88	0.89	0.91	0.94	0.96	0.97	0.98	1.00	1.01	1.03	1.04	■

▲ Not all available belt lengths are shown.
 ■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						BP	BX		BP	BX		BP	BX
251	1.68	4.00	7.00	1-6	691	3.51	4.65	1042	4.59	6.40	2084	5.91	10.03
252	1.68	3.40	6.00	1-6	690	2.32	3.41	1041	2.91	4.64	2081	3.29	7.12
253	1.69	5.40	9.40	1-8,10	687	6.20	7.44	1037	8.31	10.33	2073	11.03	16.00
254	1.69	4.20	7.40	1-6	685	3.90	5.05	1033	5.14	6.98	2066	6.74	10.96
255	1.70	3.60	6.40	1-6	683	2.72	3.83	1031	3.48	5.24	2062	4.20	8.12
256	1.71	3.80	6.80	1-6	678	3.12	4.24	1022	4.04	5.82	2044	5.08	9.09
257	1.73	6.20	11.00	1-8,10	672	7.69	9.00	1014	10.32	12.48	2028	13.27	18.85
258	1.73	7.00	12.40	1-8,10	671	9.14	10.52	1012	12.22	14.54	...	...	...
259	1.73	4.80	8.60	1-6	671	5.07	6.26	1012	6.76	8.68	2024	9.04	13.60
260	1.73	3.40	6.20	1-6	669	2.32	3.42	1009	2.92	4.65	2018	3.31	7.14
261	1.75	3.60	6.60	1-6	664	2.73	3.83	1001	3.49	5.25	2003	4.22	8.14
262	1.75	4.40	8.00	1-6	664	4.30	5.46	1001	5.70	7.56	2002	7.55	11.88
263	1.75	5.20	9.40	1-6	664	5.83	7.06	1001	7.81	9.80	2002	10.42	15.24
264	1.75	8.60	15.40	1-8,10	661	11.91	13.46	997	15.73	18.42	...	...	...
265	1.76	3.80	7.00	1-6	659	3.12	4.25	995	4.05	5.83	1989	5.09	9.11
266	1.77	4.00	7.40	1-6	655	3.52	4.66	988	4.61	6.41	1977	5.95	10.06
267	1.78	6.80	12.40	1-8,10	653	8.78	10.15	985	11.77	14.04	...	...	...
268	1.78	6.00	11.00	1-8,10	652	7.33	8.62	983	9.84	11.96	1967	12.79	18.20
269	1.79	3.40	6.40	1-6	649	2.33	3.42	979	2.93	4.66	1959	3.33	7.16
270	1.79	7.40	13.60	1-8,10	647	9.85	11.27	976	13.15	15.55	...	...	...
271	1.80	3.60	6.80	1-6	645	2.73	3.84	974	3.50	5.25	1947	4.23	8.15
272	1.80	4.60	8.60	1-6	645	4.69	5.87	973	6.24	8.13	1947	8.33	12.77
273	1.81	5.00	9.40	1-6	640	5.46	6.67	965	7.30	9.25	1931	9.77	14.46
274	1.82	8.60	16.00	1-8,10	637	11.91	13.46	961	15.74	18.43	...	...	...
275	1.82	4.20	8.00	1-6	636	3.92	5.07	960	5.17	7.00	1919	6.78	11.00
276	1.83	6.60	12.40	1-8,10	635	8.43	9.77	958	11.30	13.54	1916	14.20	20.12
277	1.84	5.80	11.00	1-8,10	631	6.97	8.24	953	9.35	11.44	1905	12.27	17.52
278	1.84	3.40	6.60	1-6	631	2.33	3.43	951	2.94	4.67	1903	3.35	7.17
279	1.85	3.60	7.00	1-6	628	2.74	3.84	947	3.51	5.26	1895	4.25	8.16
280	1.85	3.80	7.40	1-6	626	3.13	4.25	944	4.07	5.85	1887	5.13	9.13
281	1.87	4.40	8.60	1-6	619	4.31	5.47	935	5.72	7.57	1869	7.59	11.91
282	1.88	8.00	15.40	1-8,10	617	10.90	12.38	931	14.49	17.03	...	...	...
283	1.88	6.40	12.40	1-8,10	617	8.07	9.40	931	10.83	13.03	1861	13.78	19.53
284	1.88	4.80	9.40	1-6	616	5.09	6.28	930	6.79	8.70	1859	9.09	13.64
285	1.89	7.00	13.60	1-8,10	614	9.15	10.53	926	12.25	14.57	...	...	...
286	1.89	3.40	6.80	1-6	613	2.34	3.43	925	2.95	4.67	1850	3.36	7.18
287	1.90	5.60	11.00	1-8,10	611	6.60	7.85	922	8.86	10.90	1844	11.71	16.81
288	1.91	4.00	8.00	1-6	608	3.53	4.67	918	4.63	6.43	1836	5.99	10.09
289	1.92	9.40	18.40	1-8,10	605	13.25	14.89	913	17.34	20.25	...	...	...
290	1.94	6.20	12.40	1-8,10	599	7.71	9.02	903	10.35	12.51	1806	13.33	18.90
291	1.94	6.80	13.60	1-8,10	597	8.80	10.16	901	11.79	14.06	...	...	...
292	1.94	3.40	7.00	1-6	597	2.34	3.44	900	2.96	4.68	1800	3.37	7.20
293	1.95	3.60	7.40	1-6	596	2.74	3.85	899	3.52	5.27	1798	4.27	8.19
294	1.95	8.00	16.00	1-8,10	595	10.91	12.39	897	14.49	17.03	...	...	...
295	1.95	4.20	8.60	1-6	594	3.93	5.08	896	5.18	7.01	1791	6.82	11.03
296	1.96	4.60	9.40	1-6	593	4.71	5.88	894	6.26	8.15	1788	8.37	12.80
297	1.96	5.40	11.00	1-8,10	591	6.23	7.47	891	8.36	10.37	1783	11.12	16.07
298	2.00	3.80	8.00	1-6	581	3.15	4.26	876	4.09	5.86	1753	5.16	9.16
299	2.00	6.00	12.40	1-8,10	581	7.35	8.64	876	9.87	11.98	1752	12.84	18.25
300	2.00	6.60	13.60	1-8,10	581	8.44	9.78	876	11.32	13.55	1752	14.24	20.16

Shaded area diameters are below industry standard for belt.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						BP	BX		BP	BX		BP	BX
301	2.02	7.40	15.40	1-8,10	573	9.87	11.29	865	13.18	15.58	...	...	...
302	2.03	5.20	11.00	1-6	570	5.86	7.08	861	7.85	9.83	1721	10.49	15.30
303	2.04	4.40	9.40	1-6	569	4.33	5.48	858	5.73	7.59	1717	7.63	11.94
304	2.04	4.00	8.60	1-6	568	3.54	4.67	857	4.64	6.44	1714	6.01	10.12
305	2.05	3.40	7.40	1-6	566	2.35	3.44	854	2.97	4.69	1708	3.39	7.21
306	2.06	6.40	13.60	1-8,10	564	8.09	9.41	851	10.85	13.04	1702	13.82	19.56
307	2.06	5.80	12.40	1-8,10	562	6.98	8.25	849	9.38	11.46	1697	12.32	17.56
308	2.08	9.40	20.00	1-8,10	558	13.26	14.90	841	17.35	20.26	...	...	...
309	2.09	8.60	18.40	1-8,10	556	11.93	13.48	838	15.77	18.46	...	...	...
310	2.10	3.60	8.00	1-6	553	2.75	3.86	835	3.53	5.28	1669	4.30	8.21
311	2.10	7.40	16.00	1-8,10	552	9.87	11.29	833	13.19	15.58	...	...	...
312	2.11	5.00	11.00	1-6	550	5.48	6.69	830	7.33	9.28	1660	9.84	14.51
313	2.12	6.20	13.60	1-8,10	547	7.72	9.03	826	10.37	12.52	1652	13.36	18.93
314	2.13	4.20	9.40	1-6	545	3.94	5.08	823	5.20	7.02	1645	6.85	11.05
315	2.13	5.60	12.40	1-8,10	544	6.62	7.87	821	8.88	10.92	1643	11.75	16.84
316	2.13	7.00	15.40	1-8,10	544	9.17	10.54	820	12.27	14.58	...	...	...
317	2.14	3.80	8.60	1-6	542	3.15	4.27	818	4.10	5.87	1636	5.18	9.18
318	2.19	6.00	13.60	1-8,10	531	7.36	8.64	801	9.88	12.00	1602	12.87	18.27
319	2.19	4.80	11.00	1-6	530	5.10	6.29	799	6.81	8.73	1599	9.14	13.69
320	2.19	6.80	15.40	1-8,10	529	8.81	10.17	798	11.81	14.08	...	...	...
321	2.20	5.40	12.40	1-8,10	526	6.24	7.48	794	8.38	10.38	1588	11.16	16.10
322	2.21	3.40	8.00	1-6	526	2.36	3.45	793	2.98	4.70	1586	3.42	7.23
323	2.21	7.00	16.00	1-8,10	524	9.17	10.55	790	12.28	14.59	...	...	...
324	2.22	4.00	9.40	1-6	522	3.55	4.68	787	4.66	6.45	1574	6.04	10.14
325	2.24	8.00	18.40	1-8,10	519	10.92	12.40	783	14.52	17.05	...	...	...
326	2.25	3.60	8.60	1-6	516	2.76	3.86	779	3.54	5.29	1558	4.32	8.22
327	2.25	6.60	15.40	1-8,10	514	8.46	9.79	776	11.34	13.57	1552	14.28	20.19
328	2.26	5.80	13.60	1-8,10	514	6.99	8.26	776	9.39	11.47	1552	12.34	17.58
329	2.26	8.60	20.00	1-8,10	512	11.94	13.49	773	15.78	18.47	...	...	...
330	2.28	6.80	16.00	1-8,10	510	8.82	10.17	769	11.82	14.08	...	...	...
331	2.28	4.60	11.00	1-6	510	4.72	5.89	769	6.29	8.17	1537	8.42	12.84
332	2.28	5.20	12.40	1-6	508	5.87	7.09	767	7.87	9.84	1533	10.53	15.33
333	2.32	6.40	15.40	1-8,10	500	8.10	9.41	754	10.87	13.05	1508	13.85	19.59
334	2.33	3.80	9.40	1-6	498	3.16	4.28	751	4.11	5.88	1503	5.20	9.20
335	2.33	5.60	13.60	1-8,10	498	6.62	7.87	751	8.89	10.93	1502	11.78	16.86
336	2.34	6.60	16.00	1-8,10	496	8.46	9.80	748	11.35	13.57	1495	14.28	20.20
337	2.36	3.40	8.60	1-6	491	2.36	3.45	740	2.99	4.70	1481	3.43	7.24
338	2.37	5.00	12.40	1-6	490	5.49	6.69	739	7.35	9.29	1479	9.87	14.53
339	2.37	4.40	11.00	1-6	489	4.34	5.50	738	5.76	7.61	1476	7.67	11.97
340	2.39	6.20	15.40	1-8,10	485	7.73	9.03	732	10.38	12.53	1464	13.39	18.95
341	2.41	7.40	18.40	1-8,10	482	9.89	11.30	727	13.20	15.60	...	...	...
342	2.41	6.40	16.00	1-8,10	482	8.10	9.42	726	10.87	13.06	1453	13.86	19.59
343	2.41	5.40	13.60	1-8,10	481	6.25	7.48	726	8.39	10.39	1452	11.18	16.12
344	2.43	8.00	20.00	1-8,10	478	10.93	12.40	721	14.53	17.06	...	...	...
345	2.45	3.60	9.40	1-6	474	2.77	3.87	716	3.55	5.30	1431	4.34	8.24
346	2.46	4.80	12.40	1-6	472	5.11	6.30	712	6.83	8.74	1424	9.17	13.71
347	2.47	6.00	15.40	1-8,10	470	7.37	8.65	710	9.90	12.01	1419	12.90	18.29
348	2.47	4.20	11.00	1-6	469	3.95	5.09	707	5.22	7.04	1415	6.88	11.08
349	2.48	6.20	16.00	1-8,10	467	7.74	9.04	705	10.39	12.54	1410	13.40	18.96
350	2.50	5.20	13.60	1-6	465	5.88	7.09	701	7.87	9.85	1402	10.55	15.34

Shaded area diameters are below industry standard for belt.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						BP	BX		BP	BX		BP	BX
351	2.54	7.00	18.40	1-8,10	457	9.18	10.55	690	12.29	14.60	...	...	...
352	2.55	5.80	15.40	1-8,10	456	7.00	8.27	688	9.40	11.48	1375	12.37	17.60
353	2.56	4.60	12.40	1-6	454	4.73	5.90	685	6.30	8.18	1369	8.44	12.86
354	2.56	6.00	16.00	1-8,10	453	7.37	8.65	684	9.90	12.01	1368	12.90	18.30
355	2.57	3.40	9.40	1-6	451	2.37	3.46	680	2.99	4.71	1360	3.45	7.26
356	2.59	4.00	11.00	1-6	449	3.56	4.69	677	4.67	6.47	1353	6.07	10.16
357	2.59	5.00	13.60	1-6	448	5.50	6.70	676	7.36	9.30	1352	9.88	14.55
358	2.59	9.40	25.00	2-8,10	448	13.27	14.91	676	17.38	20.28	...	...	...
359	2.61	6.80	18.40	1-8,10	445	8.83	10.18	671	11.83	14.09	...	...	...
360	2.61	7.40	20.00	1-8,10	444	9.89	11.30	670	13.21	15.60	...	...	...
361	2.63	5.60	15.40	1-8,10	441	6.63	7.88	665	8.90	10.94	1331	11.80	16.88
362	2.64	5.80	16.00	1-8,10	439	7.00	8.27	662	9.40	11.48	1325	12.37	17.60
363	2.66	4.40	12.40	1-6	436	4.35	5.50	657	5.77	7.61	1315	7.69	11.99
364	2.68	6.60	18.40	1-8,10	432	8.47	9.80	652	11.36	13.58	1305	14.31	20.21
365	2.69	4.80	13.60	1-6	432	5.12	6.30	651	6.83	8.74	1302	9.18	13.72
366	2.71	3.80	11.00	1-6	428	3.17	4.28	646	4.12	5.89	1292	5.23	9.22
367	2.72	5.40	15.40	1-8,10	426	6.26	7.49	643	8.40	10.40	1287	11.20	16.13
368	2.73	5.60	16.00	1-8,10	425	6.63	7.88	641	8.90	10.94	1282	11.80	16.88
369	2.75	7.00	20.00	1-8,10	421	9.18	10.56	636	12.30	14.60	...	...	...
370	2.76	6.40	18.40	1-8,10	420	8.11	9.42	634	10.88	13.07	1268	13.88	19.61
371	2.78	4.20	12.40	1-6	418	3.96	5.10	630	5.23	7.05	1260	6.90	11.09
372	2.80	4.60	13.60	1-6	415	4.74	5.90	626	6.31	8.18	1252	8.46	12.87
373	2.82	5.20	15.40	1-6	412	5.88	7.10	621	7.88	9.85	1242	10.56	15.36
374	2.82	8.60	25.00	2-8,10	411	11.95	13.49	621	15.80	18.48	...	...	...
375	2.82	5.40	16.00	1-8,10	411	6.26	7.49	620	8.40	10.40	1240	11.20	16.14
376	2.83	6.80	20.00	1-8,10	410	8.83	10.18	618	11.83	14.10	...	...	...
377	2.84	3.60	11.00	1-6	408	2.77	3.87	615	3.56	5.30	1231	4.36	8.25
378	2.84	6.20	18.40	1-8,10	408	7.74	9.04	615	10.40	12.54	1230	13.42	18.97
379	2.90	4.00	12.40	1-6	400	3.57	4.69	603	4.68	6.47	1205	6.09	10.17
380	2.91	6.60	20.00	1-8,10	399	8.47	9.80	601	11.36	13.59	1202	14.32	20.22
381	2.91	4.40	13.60	1-6	398	4.35	5.50	601	5.77	7.62	1202	7.70	12.00
382	2.92	5.00	15.40	1-6	397	5.50	6.70	599	7.37	9.30	1198	9.90	14.56
383	2.92	5.20	16.00	1-6	397	5.88	7.10	598	7.89	9.86	1197	10.57	15.36
384	2.93	6.00	18.40	1-8,10	395	7.38	8.66	597	9.91	12.02	1193	12.92	18.31
385	2.99	3.40	11.00	1-6	388	2.37	3.46	585	3.00	4.72	1169	3.47	7.27
386	3.00	6.40	20.00	1-8,10	387	8.11	9.42	584	10.89	13.07	1168	13.89	19.62
387	3.02	8.00	25.00	2-8,10	384	10.94	12.41	579	14.54	17.07	...	...	...
388	3.03	5.80	18.40	1-8,10	383	7.01	8.27	578	9.41	11.48	1156	12.39	17.62
389	3.03	5.00	16.00	1-6	383	5.50	6.70	577	7.37	9.30	1154	9.90	14.56
390	3.03	4.80	15.40	1-6	382	5.12	6.31	577	6.84	8.75	1154	9.20	13.73
391	3.04	4.20	13.60	1-6	382	3.96	5.10	576	5.23	7.05	1152	6.91	11.10
392	3.04	3.80	12.40	1-6	381	3.17	4.29	575	4.13	5.89	1151	5.24	9.23
393	3.09	6.20	20.00	1-8,10	376	7.75	9.04	567	10.40	12.55	1134	13.43	18.98
394	3.10	9.40	30.00	2-8,10	374	13.28	14.92	565	17.39	20.29	...	...	...
395	3.13	5.60	18.40	1-8,10	371	6.64	7.88	559	8.91	10.95	1119	11.82	16.89
396	3.15	4.80	16.00	1-6	368	5.12	6.31	556	6.84	8.75	1112	9.20	13.73
397	3.15	4.60	15.40	1-6	368	4.74	5.91	555	6.31	8.19	1110	8.47	12.88
398	3.18	4.00	13.60	1-6	365	3.57	4.70	551	4.68	6.47	1102	6.09	10.18
399	3.18	6.00	20.00	1-8,10	364	7.38	8.66	550	9.91	12.02	1100	12.93	18.31
400	3.19	3.60	12.40	1-6	363	2.78	3.88	548	3.57	5.31	1096	4.37	8.26

Shaded area diameters are below industry standard for belt.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						BP	BX		BP	BX		BP	BX
401	3.24	5.40	18.40	1-8,10	358	6.26	7.49	541	8.40	10.41	1081	11.22	16.14
402	3.25	7.40	25.00	2-8,10	357	9.90	11.31	538	13.22	15.61	...	...	...
403	3.27	4.60	16.00	1-6	354	4.74	5.91	535	6.31	8.19	1069	8.47	12.88
404	3.29	4.40	15.40	1-6	353	4.35	5.51	533	5.78	7.62	1065	7.71	12.00
405	3.29	5.80	20.00	1-8,10	353	7.01	8.27	533	9.42	11.49	1065	12.40	17.62
406	3.33	3.80	13.60	1-6	349	3.18	4.29	526	4.13	5.90	1052	5.25	9.23
407	3.35	5.20	18.40	1-6	346	5.89	7.10	522	7.89	9.86	1044	10.58	15.37
408	3.36	3.40	12.40	1-6	345	2.38	3.46	521	3.01	4.72	1042	3.48	7.28
409	3.37	8.60	30.00	2-8,10	344	11.96	13.50	519	15.81	18.49	...	...	...
410	3.39	5.60	20.00	1-8,10	342	6.64	7.88	515	8.91	10.95	1031	11.83	16.90
411	3.41	4.40	16.00	1-6	340	4.35	5.51	513	5.78	7.62	1026	7.71	12.01
412	3.43	4.20	15.40	1-6	338	3.96	5.10	511	5.23	7.05	1021	6.92	11.11
413	3.43	7.00	25.00	2-8,10	338	9.19	10.56	510	12.31	14.61	...	...	...
414	3.48	5.00	18.40	1-6	334	5.51	6.71	504	7.37	9.31	1007	9.91	14.57
415	3.49	3.60	13.60	1-6	332	2.78	3.88	501	3.57	5.31	1002	4.38	8.27
416	3.51	5.40	20.00	1-8,10	330	6.27	7.49	498	8.41	10.41	997	11.22	16.15
417	3.52	6.80	25.00	2-8,10	329	8.84	10.19	497	11.84	14.10	...	...	...
418	3.56	4.20	16.00	1-6	326	3.97	5.10	492	5.24	7.05	984	6.92	11.11
419	3.58	4.00	15.40	1-6	324	3.57	4.70	488	4.69	6.48	977	6.10	10.18
420	3.61	4.80	18.40	1-6	321	5.13	6.31	485	6.85	8.75	970	9.21	13.74
421	3.62	8.00	30.00	2-8,10	321	10.94	12.41	484	14.55	17.08	...	...	...
422	3.62	6.60	25.00	2-8,10	320	8.48	9.81	483	11.37	13.59	966	14.33	20.23
423	3.64	5.20	20.00	1-6	319	5.89	7.10	481	7.89	9.86	962	10.58	15.37
424	3.68	3.40	13.60	1-6	316	2.38	3.46	476	3.01	4.72	952	3.48	7.28
425	3.72	4.00	16.00	1-6	312	3.57	4.70	471	4.69	6.48	941	6.10	10.19
426	3.73	6.40	25.00	2-8,10	311	8.11	9.43	469	10.89	13.07	938	13.91	19.63
427	3.75	4.60	18.40	1-6	309	4.74	5.91	466	6.32	8.19	933	8.48	12.89
428	3.75	3.80	15.40	1-6	309	3.18	4.29	466	4.14	5.90	932	5.26	9.24
429	3.77	5.00	20.00	1-6	308	5.51	6.71	464	7.37	9.31	928	9.92	14.57
430	3.84	6.20	25.00	2-8,10	302	7.75	9.05	455	10.41	12.55	911	13.44	18.99
431	3.89	7.40	30.00	2-8,10	298	9.90	11.31	450	13.23	15.62	...	...	...
432	3.90	3.80	16.00	1-6	298	3.18	4.29	449	4.14	5.90	898	5.26	9.24
433	3.91	4.40	18.40	1-6	297	4.36	5.51	448	5.78	7.63	895	7.72	12.01
434	3.91	9.40	38.00	2-8,10	296	13.29	14.92	447	17.40	20.29	...	...	...
435	3.92	4.80	20.00	1-6	296	5.13	6.31	447	6.85	8.75	894	9.22	13.74
436	3.94	3.60	15.40	1-6	294	2.78	3.88	444	3.58	5.31	888	4.39	8.27
437	3.96	6.00	25.00	2-8,10	293	7.38	8.66	442	9.92	12.02	883	12.94	18.32
438	4.07	4.60	20.00	1-6	285	4.74	5.91	430	6.32	8.19	860	8.48	12.89
439	4.08	4.20	18.40	1-6	284	3.97	5.10	429	5.24	7.06	858	6.93	11.11
440	4.09	3.60	16.00	1-6	284	2.78	3.88	428	3.58	5.31	856	4.39	8.27
441	4.09	5.80	25.00	2-8,10	284	7.01	8.28	428	9.42	11.49	856	12.41	17.63
442	4.10	7.00	30.00	2-8,10	283	9.19	10.56	427	12.31	14.62	...	...	...
443	4.15	3.40	15.40	1-6	280	2.38	3.47	422	3.01	4.72	844	3.49	7.28
444	4.22	6.80	30.00	2-8,10	275	8.84	10.19	415	11.85	14.11	...	...	...
445	4.23	5.60	25.00	2-8,10	274	6.64	7.89	414	8.92	10.95	828	11.84	16.91
446	4.24	4.40	20.00	1-6	274	4.36	5.51	413	5.78	7.63	825	7.72	12.01
447	4.26	8.60	38.00	2-8,10	272	11.96	13.50	411	15.81	18.49	...	...	...
448	4.26	4.00	18.40	1-6	272	3.58	4.70	411	4.69	6.48	821	6.11	10.19
449	4.30	3.40	16.00	1-6	269	2.38	3.47	407	3.01	4.73	813	3.49	7.29
450	4.34	6.60	30.00	2-8,10	267	8.48	9.81	404	11.38	13.59	807	14.34	20.24

Shaded area diameters are below industry standard for belt.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						BP	BX		BP	BX		BP	BX
451	4.37	5.40	25.00	2-8,10	265	6.27	7.50	400	8.41	10.41	801	11.23	16.16
452	4.43	4.20	20.00	1-6	262	3.97	5.11	395	5.24	7.06	791	6.93	11.11
453	4.46	6.40	30.00	2-8,10	260	8.12	9.43	392	10.90	13.08	784	13.92	19.63
454	4.47	3.80	18.40	1-6	260	3.18	4.29	392	4.14	5.90	784	5.26	9.24
455	4.53	5.20	25.00	2-6	256	5.89	7.10	387	7.90	9.86	773	10.59	15.38
456	4.57	8.00	38.00	2-8,10	254	10.95	12.42	383	14.55	17.08	...	...	...
457	4.60	6.20	30.00	2-8,10	252	7.75	9.05	381	10.41	12.55	761	13.45	19.00
458	4.63	4.00	20.00	1-6	251	3.58	4.70	378	4.69	6.48	757	6.11	10.19
459	4.69	3.60	18.40	1-6	247	2.78	3.88	373	3.58	5.32	747	4.39	8.28
460	4.69	5.00	25.00	2-6	247	5.51	6.71	373	7.38	9.31	746	9.92	14.58
461	4.74	6.00	30.00	2-8,10	245	7.39	8.66	369	9.92	12.03	738	12.95	18.33
462	4.85	3.80	20.00	1-6	239	3.18	4.29	361	4.14	5.90	722	5.27	9.25
463	4.87	4.80	25.00	2-6	238	5.13	6.31	359	6.85	8.76	718	9.22	13.75
464	4.90	5.80	30.00	2-8,10	237	7.02	8.28	358	9.43	11.49	715	12.41	17.63
465	4.92	7.40	38.00	2-8,10	236	9.90	11.31	356	13.23	15.62	...	...	...
466	4.93	3.40	18.40	1-6	235	2.38	3.47	355	3.02	4.73	709	3.49	7.29
467	5.06	5.60	30.00	2-8,10	229	6.64	7.89	346	8.92	10.96	692	11.84	16.91
468	5.07	4.60	25.00	2-6	229	4.75	5.91	345	6.32	8.20	690	8.49	12.90
469	5.09	3.60	20.00	1-6	228	2.78	3.88	344	3.58	5.32	688	4.39	8.28
470	5.18	7.00	38.00	2-8,10	224	9.20	10.57	338	12.32	14.62	...	...	...
471	5.23	5.40	30.00	2-8,10	222	6.27	7.50	334	8.42	10.41	669	11.24	16.16
472	5.28	4.40	25.00	2-6	220	4.36	5.51	331	5.79	7.63	663	7.73	12.02
473	5.33	6.80	38.00	2-8,10	218	8.84	10.19	329	11.85	14.11	...	...	...
474	5.35	3.40	20.00	1-6	217	2.38	3.47	327	3.02	4.73	654	3.49	7.29
475	5.42	5.20	30.00	2-6	214	5.89	7.10	323	7.90	9.87	646	10.60	15.38
476	5.48	6.60	38.00	2-8,10	212	8.48	9.81	319	11.38	13.60	639	14.35	20.24
477	5.51	4.20	25.00	2-6	211	3.97	5.11	318	5.24	7.06	635	6.94	11.12
478	5.62	5.00	30.00	2-6	206	5.51	6.71	311	7.38	9.31	623	9.93	14.58
479	5.64	6.40	38.00	2-8,10	206	8.12	9.43	310	10.90	13.08	621	13.92	19.64
480	5.76	4.00	25.00	2-6	201	3.58	4.70	304	4.70	6.48	608	6.12	10.20
481	5.81	6.20	38.00	2-8,10	200	7.75	9.05	301	10.42	12.56	603	13.46	19.00
482	5.83	4.80	30.00	2-6	199	5.13	6.31	300	6.86	8.76	600	9.23	13.75
483	5.99	6.00	38.00	2-8,10	194	7.39	8.66	292	9.92	12.03	584	12.96	18.33
484	6.03	3.80	25.00	2-6	192	3.18	4.29	290	4.14	5.90	580	5.27	9.25
485	6.07	4.60	30.00	2-6	191	4.75	5.91	288	6.32	8.20	577	8.49	12.90
486	6.18	5.80	38.00	2-8,10	188	7.02	8.28	283	9.43	11.50	566	12.42	17.64
487	6.32	4.40	30.00	2-6	184	4.36	5.51	277	5.79	7.63	554	7.73	12.02
488	6.33	3.60	25.00	2-6	183	2.79	3.88	276	3.58	5.32	553	4.40	8.28
489	6.39	5.60	38.00	2-8,10	182	6.65	7.89	274	8.93	10.96	548	11.85	16.91
490	6.59	4.20	30.00	2-6	176	3.97	5.11	265	5.25	7.06	531	6.94	11.12
491	6.61	5.40	38.00	2-8,10	176	6.27	7.50	265	8.42	10.42	530	11.24	16.16
492	6.66	3.40	25.00	2-6	174	2.39	3.47	263	3.02	4.73	525	3.50	7.29
493	6.84	5.20	38.00	2-6	170	5.89	7.11	256	7.90	9.87	511	10.60	15.39
494	6.89	4.00	30.00	2-6	168	3.58	4.70	254	4.70	6.48	508	6.12	10.20
495	7.10	5.00	38.00	2-6	163	5.52	6.71	247	7.38	9.32	493	9.93	14.58
496	7.22	3.80	30.00	2-6	161	3.18	4.29	242	4.14	5.90	485	5.27	9.25
497	7.37	4.80	38.00	2-6	157	5.13	6.31	237	6.86	8.76	475	9.23	13.75
498	7.58	3.60	30.00	2-6	153	2.79	3.88	231	3.58	5.32	462	4.40	8.28
499	7.66	4.60	38.00	2-6	151	4.75	5.91	228	6.33	8.20	457	8.50	12.90
500	7.98	3.40	30.00	2-6	145	2.39	3.47	219	3.02	4.73	439	3.50	7.29

Shaded area diameters are below industry standard for belt.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	1160 RPM			1750 RPM			3500 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						BP	BX		BP	BX		BP	BX
501	7.98	4.40	38.00	2-6	145	4.36	5.51	219	5.79	7.63	439	7.74	12.02
502	8.33	4.20	38.00	2-6	139	3.97	5.11	210	5.25	7.06	420	6.94	11.12
503	8.70	4.00	38.00	2-6	133	3.58	4.70	201	4.70	6.49	402	6.12	10.20
504	9.12	3.80	38.00	2-6	127	3.19	4.29	192	4.15	5.90	384	5.28	9.25
505	9.57	3.60	38.00	2-6	121	2.79	3.88	183	3.59	5.32	366	4.40	8.28
506	10.07	3.40	38.00	2-6	115	2.39	3.47	174	3.02	4.73	347	3.50	7.30

Shaded area diameters are below industry standard for belt.

DRIVE SELECTION TABLES



An Altra Industrial Motion Company

CENTER DISTANCE AND COMBINED ARC-LENGTH CORRECTION FACTOR ▲											LINE #
B128	B144	B158	B173	B180	B195	B210	B240	B270	B300	B360	
26.2	35.6	43.3	51.4	55.0	62.9	69.8	85.2	100.4	115.6	145.9	501
26.3	35.8	43.5	51.5	55.2	63.0	70.0	85.3	100.6	115.8	146.0	502
26.5	35.9	43.6	51.6	55.3	63.1	70.1	85.5	100.7	115.9	146.2	503
26.6	36.0	43.7	51.7	55.4	63.3	70.2	85.6	100.9	116.1	146.3	504
26.7	36.1	43.9	51.9	55.6	63.4	70.4	85.8	101.0	116.2	146.5	505
■ 0.79	0.91	0.97	1.01	1.03	1.06	1.08	1.12	1.15	1.18	1.23 ■	
26.8	36.3	44.0	52.0	55.7	63.5	70.5	85.9	101.2	116.3	146.6	506
■ 0.79	0.91	0.97	1.01	1.03	1.06	1.08	1.12	1.15	1.18	1.23	

▲ Not all available belt lengths are shown.

■ Combined Arc-Length correction factors for 5 preceding lines.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	870 RPM			1160 RPM			1750 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						CP	CX		CP	CX		CP	CX
1	1.00	7.00	7.00	1-8	870	7.98	10.15	1160	9.69	12.68	1750	12.09	16.86
2	1.00	7.50	7.50	1-6	870	9.16	11.36	1160	11.17	14.20	1750	14.00	18.89
3	1.00	8.00	8.00	1-10	870	10.33	12.55	1160	12.62	15.70	1750	15.84	20.85
4	1.00	8.50	8.50	1-10	870	11.48	13.73	1160	14.05	17.18	1750	17.62	22.77
5	1.00	9.00	9.00	1-10,12	870	12.62	14.90	1160	15.45	18.64	1750	19.32	24.61
6	1.00	9.50	9.50	1-10,12	870	13.74	16.06	1160	16.82	20.07	1750	20.94	26.40
7	1.00	10.00	10.00	1-10,12	870	14.85	17.20	1160	18.17	21.48	1750	22.49	28.12
8	1.00	10.50	10.50	1-10,12	870	15.95	18.33	1160	19.49	22.87	1750	23.96	29.78
9	1.00	11.00	11.00	1-10,12	870	17.03	19.45	1160	20.78	24.23	1750	25.35	31.37
10	1.00	12.00	12.00	1-10,12	870	19.15	21.65	1160	23.27	26.88	1750	27.86	34.32
11	1.00	13.00	13.00	1-10,12	870	21.21	23.80	1160	25.64	29.43	1750	30.00	36.98
12	1.00	14.00	14.00	1-10,12	870	23.20	25.90	1160	27.88	31.87	...	...	...
13	1.00	16.00	16.00	1-10,12	870	27.00	29.92	1160	31.96	36.41	...	...	...
14	1.05	10.50	11.00	1-10,12	832	16.14	18.54	1109	19.74	23.14	1673	24.35	30.18
15	1.05	10.00	10.50	1-10,12	830	15.05	17.41	1107	18.44	21.76	1670	22.89	28.55
16	1.05	9.50	10.00	1-10,12	828	13.95	16.28	1104	17.10	20.36	1666	21.36	26.84
17	1.05	9.00	9.50	1-10,12	826	12.83	15.13	1101	15.74	18.94	1662	19.75	25.08
18	1.06	8.50	9.00	1-10	824	11.71	13.97	1098	14.36	17.50	1657	18.07	23.25
19	1.06	8.00	8.50	1-10	821	10.57	12.81	1095	12.94	16.04	1652	16.32	21.36
20	1.06	7.50	8.00	1-6	818	9.41	11.62	1091	11.51	14.55	1646	14.51	19.42
21	1.07	7.00	7.50	1-6	815	8.24	10.43	1087	10.05	13.05	1639	12.62	17.43
22	1.07	13.00	14.00	1-10,12	810	21.50	24.11	1079	26.03	29.83	1628	30.59	37.59
23	1.08	12.00	13.00	1-10,12	805	19.46	21.98	1073	23.68	27.31	1619	28.48	34.98
24	1.09	11.00	12.00	1-10,12	800	17.36	19.80	1066	21.22	24.69	1609	26.01	32.06
25	1.10	10.00	11.00	1-10,12	794	15.21	17.58	1058	18.65	21.98	1596	23.21	28.87
26	1.10	9.50	10.50	1-10,12	790	14.11	16.45	1054	17.32	20.59	1589	21.69	27.18
27	1.11	9.00	10.00	1-10,12	786	13.00	15.31	1048	15.96	19.17	1582	20.09	25.42
28	1.11	8.50	9.50	1-10	782	11.88	14.15	1043	14.58	17.74	1573	18.42	23.61
29	1.12	8.00	9.00	1-10	777	10.74	12.99	1037	13.18	16.28	1564	16.68	21.73
30	1.12	16.00	18.00	1-10,12	775	27.43	30.37	1034	32.53	37.00	...	...	...
31	1.13	7.50	8.50	1-6	772	9.59	11.81	1030	11.75	14.81	1553	14.88	19.80
32	1.14	7.00	8.00	1-8	766	8.43	10.63	1022	10.30	13.31	1542	13.01	17.82
33	1.14	10.50	12.00	1-10,12	765	16.41	18.82	1020	20.11	23.51	1538	24.89	30.75
34	1.14	14.00	16.00	1-10,12	764	23.67	26.38	1019	28.51	32.52	...	...	...
35	1.15	9.50	11.00	1-10,12	756	14.24	16.57	1007	17.49	20.76	1520	21.94	27.44
36	1.16	9.00	10.50	1-10,12	750	13.13	15.44	1000	16.13	19.35	1509	20.35	25.69
37	1.16	12.00	14.00	1-10,12	749	19.66	22.19	999	23.96	27.59	1507	28.90	35.40
38	1.17	8.50	10.00	1-10	745	12.01	14.29	993	14.76	17.92	1498	18.68	23.87
39	1.18	11.00	13.00	1-10,12	740	17.57	20.02	987	21.51	24.98	1489	26.44	32.50
40	1.18	8.00	9.50	1-10	738	10.88	13.12	984	13.36	16.46	1485	16.95	22.00
41	1.19	7.50	9.00	1-6	731	9.73	11.95	975	11.93	14.99	1471	15.15	20.08
42	1.19	10.00	12.00	1-10,12	730	15.43	17.80	973	18.94	22.28	1468	23.65	29.32
43	1.20	7.00	8.50	1-8	723	8.57	10.77	964	10.49	13.50	1455	13.28	18.10
44	1.21	9.00	11.00	1-10,12	717	13.23	15.53	956	16.27	19.48	1443	20.55	25.89
45	1.22	13.00	16.00	1-10,12	711	21.84	24.45	948	26.48	30.29	1430	31.27	38.29
46	1.22	8.50	10.50	1-10	710	12.11	14.38	947	14.89	18.05	1429	18.89	24.07
47	1.23	10.50	13.00	1-10,12	708	16.59	18.99	944	20.34	23.74	1424	25.24	31.10
48	1.24	8.00	10.00	1-10	703	10.98	13.22	937	13.49	16.59	1413	17.15	22.20
49	1.24	16.00	20.00	1-10,12	699	27.66	30.60	933	32.84	37.32	...	...	...
50	1.25	9.50	12.00	1-10,12	695	14.41	16.75	926	17.72	20.99	1397	22.29	27.79

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	870 RPM			1160 RPM			1750 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						CP	CX		CP	CX		CP	CX
51	1.25	7.50	9.50	1-6	694	9.83	12.05	926	12.07	15.12	1396	15.35	20.28
52	1.26	11.00	14.00	1-10,12	689	17.72	20.16	918	21.69	25.17	1385	26.73	32.78
53	1.27	7.00	9.00	1-8	685	8.67	10.86	913	10.62	13.63	1378	13.48	18.29
54	1.28	14.00	18.00	1-10,12	681	23.91	26.62	908	28.82	32.83	...	...	...
55	1.28	8.50	11.00	1-10	679	12.19	14.46	906	14.99	18.15	1366	19.04	24.22
56	1.29	10.00	13.00	1-10,12	675	15.57	17.94	900	19.13	22.46	1358	23.93	29.60
57	1.30	8.00	10.50	1-10	670	11.05	13.30	894	13.59	16.69	1349	17.31	22.35
58	1.32	7.50	10.00	1-6	661	9.91	12.12	881	12.17	15.22	1329	15.50	20.42
59	1.32	9.00	12.00	1-10,12	660	13.37	15.67	879	16.45	19.66	1327	20.83	26.15
60	1.32	10.50	14.00	1-10,12	659	16.70	19.10	878	20.49	23.89	1325	25.47	31.32
61	1.32	12.00	16.00	1-10,12	658	19.90	22.42	877	24.28	27.90	1323	29.37	35.87
62	1.34	7.00	9.50	1-8	650	8.74	10.93	867	10.72	13.72	1308	13.63	18.44
63	1.35	9.50	13.00	1-10,12	643	14.52	16.86	857	17.87	21.13	1293	22.52	28.00
64	1.36	8.00	11.00	1-10	641	11.11	13.35	855	13.67	16.77	1289	17.42	22.46
65	1.37	13.00	18.00	1-10,12	634	22.01	24.61	845	26.71	30.51	1274	31.61	38.61
66	1.38	7.50	10.50	1-6	631	9.96	12.17	841	12.24	15.29	1268	15.62	20.53
67	1.38	10.00	14.00	1-10,12	628	15.66	18.02	838	19.25	22.57	1264	24.12	29.77
68	1.39	8.50	12.00	1-10	624	12.29	14.56	833	15.14	18.28	1256	19.26	24.43
69	1.41	7.00	10.00	1-8	619	8.80	10.99	825	10.79	13.79	1245	13.74	18.54
70	1.42	14.00	20.00	1-10,12	614	24.03	26.74	819	28.99	32.99	...	...	...
71	1.43	9.00	13.00	1-10,12	610	13.46	15.75	814	16.57	19.77	1228	21.00	26.32
72	1.44	11.00	16.00	1-10,12	605	17.88	20.31	806	21.91	25.37	1216	27.05	33.08
73	1.44	7.50	11.00	1-6	603	10.01	12.22	804	12.30	15.34	1213	15.71	20.61
74	1.45	9.50	14.00	1-10,12	598	14.60	16.92	798	17.97	21.22	1203	22.66	28.14
75	1.47	7.00	10.50	1-8	591	8.84	11.02	788	10.85	13.84	1188	13.83	18.62
76	1.48	8.00	12.00	1-10	589	11.19	13.43	786	13.78	16.87	1185	17.59	22.61
77	1.48	12.00	18.00	1-10,12	586	20.02	22.53	782	24.43	28.05	1179	29.61	36.09
78	1.49	16.00	24.00	1-10,12	585	27.88	30.80	780	33.13	37.59	...	...	...
79	1.50	10.50	16.00	1-10,12	578	16.83	19.22	771	20.67	24.05	1163	25.74	31.56
80	1.51	8.50	13.00	1-10	578	12.36	14.62	770	15.23	18.36	1162	19.39	24.55
81	1.52	13.00	20.00	1-10,12	571	22.10	24.70	762	26.83	30.62	1150	31.80	38.78
82	1.53	9.00	14.00	1-10,12	568	13.51	15.80	757	16.64	19.83	1142	21.12	26.42
83	1.54	7.00	11.00	1-8	565	8.87	11.05	753	10.89	13.88	1136	13.90	18.67
84	1.57	7.50	12.00	1-6	554	10.07	12.27	739	12.39	15.42	1115	15.83	20.72
85	1.58	10.00	16.00	1-10,12	552	15.77	18.12	736	19.39	22.70	1110	24.33	29.96
86	1.60	8.00	13.00	1-10	545	11.25	13.47	727	13.85	16.93	1097	17.69	22.71
87	1.61	11.00	18.00	1-10,12	539	17.96	20.38	719	22.01	25.46	1084	27.21	33.23
88	1.62	8.50	14.00	1-10	538	12.41	14.66	717	15.29	18.42	1082	19.48	24.63
89	1.65	12.00	20.00	1-10,12	529	20.08	22.59	705	24.52	28.13	1064	29.74	36.20
90	1.66	9.50	16.00	1-10,12	525	14.68	17.00	700	18.08	21.32	1056	22.83	28.29
91	1.67	16.00	27.00	2-9	521	27.95	30.87	694	33.22	37.67	...	...	...
92	1.68	7.00	12.00	1-8	519	8.92	11.09	692	10.95	13.93	1044	13.99	18.76
93	1.69	10.50	18.00	1-10,12	515	16.90	19.28	687	20.75	24.13	1037	25.87	31.68
94	1.69	14.00	24.00	1-10,12	513	24.15	26.84	685	29.15	33.13	...	...	...
95	1.70	7.50	13.00	1-6	513	10.11	12.31	684	12.44	15.46	1032	15.91	20.79
96	1.71	8.00	14.00	1-10	508	11.28	13.50	677	13.90	16.97	1021	17.76	22.77
97	1.74	9.00	16.00	1-10,12	499	13.58	15.86	665	16.73	19.91	1003	21.25	26.54
98	1.77	10.00	18.00	1-10,12	492	15.82	18.16	656	19.46	22.76	989	24.44	30.06
99	1.79	11.00	20.00	1-10,12	486	18.00	20.42	648	22.07	25.51	978	27.30	33.31
100	1.81	7.00	13.00	1-8	480	8.95	11.12	641	10.99	13.97	966	14.05	18.81

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	870 RPM			1160 RPM			1750 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						CP	CX		CP	CX		CP	CX
101	1.82	13.00	24.00	1-10,12	478	22.18	24.77	637	26.94	30.72	961	31.97	38.93
102	1.82	7.50	14.00	1-6	477	10.14	12.33	636	12.47	15.49	960	15.96	20.84
103	1.84	8.50	16.00	1-10	472	12.46	14.71	630	15.36	18.48	950	19.59	24.72
104	1.85	16.00	30.00	2-10,12	469	27.98	30.90	626	33.27	37.71	...	...	...
105	1.86	9.50	18.00	1-10,12	468	14.73	17.03	624	18.14	21.37	942	22.92	28.36
106	1.87	10.50	20.00	1-10,12	465	16.93	19.31	620	20.80	24.17	935	25.94	31.74
107	1.90	14.00	27.00	2-9	457	24.19	26.88	610	29.20	33.17	...	...	...
108	1.95	7.00	14.00	1-8	447	8.97	11.14	596	11.02	13.99	899	14.09	18.84
109	1.95	8.00	16.00	1-10	446	11.32	13.54	594	13.95	17.01	896	17.85	22.84
110	1.96	9.00	18.00	1-10,12	444	13.61	15.89	593	16.78	19.95	894	21.32	26.60
111	1.96	10.00	20.00	1-10,12	444	15.85	18.19	591	19.50	22.79	892	24.50	30.11
112	1.97	12.00	24.00	1-10,12	442	20.15	22.64	590	24.60	28.19	889	29.87	36.31
113	2.04	13.00	27.00	2-9	425	22.21	24.80	567	26.98	30.75	856	32.03	38.98
114	2.06	9.50	20.00	1-10,12	422	14.75	17.05	563	18.17	21.40	849	22.97	28.40
115	2.07	8.50	18.00	1-10	421	12.49	14.73	561	15.40	18.51	846	19.65	24.77
116	2.08	7.50	16.00	1-6	419	10.17	12.35	559	12.52	15.53	843	16.03	20.89
117	2.11	14.00	30.00	2-10,12	412	24.22	26.90	549	29.24	33.20	...	...	...
118	2.14	11.00	24.00	1-10,12	406	18.05	20.45	542	22.13	25.56	818	27.39	33.38
119	2.17	9.00	20.00	1-10,12	401	13.64	15.91	535	16.81	19.97	806	21.37	26.63
120	2.19	8.00	18.00	1-10	397	11.34	13.56	530	13.98	17.04	799	17.89	22.87
121	2.21	12.00	27.00	2-9	394	20.17	22.66	525	24.63	28.22	792	29.91	36.34
122	2.22	7.00	16.00	1-8	393	9.00	11.16	523	11.05	14.02	790	14.14	18.88
123	2.22	16.00	36.00	3-10,12	392	28.02	30.93	523	33.33	37.75	...	...	...
124	2.24	10.50	24.00	1-10,12	389	16.97	19.34	518	20.85	24.21	782	26.02	31.80
125	2.27	13.00	30.00	2-10,12	383	22.23	24.81	511	27.01	30.77	771	32.07	39.01
126	2.29	8.50	20.00	1-10	380	12.50	14.74	506	15.42	18.52	763	19.68	24.79
127	2.33	7.50	18.00	1-6	374	10.19	12.37	498	12.54	15.55	751	16.07	20.92
128	2.35	10.00	24.00	1-10,12	371	15.88	18.21	494	19.54	22.83	746	24.56	30.16
129	2.40	11.00	27.00	2-9	362	18.06	20.47	483	22.16	25.58	728	27.42	33.40
130	2.43	8.00	20.00	1-10	358	11.36	13.57	478	14.00	17.05	721	17.92	22.89
131	2.45	12.00	30.00	2-10,12	355	20.18	22.67	473	24.65	28.23	714	29.94	36.36
132	2.46	9.50	24.00	1-10,12	353	14.78	17.07	471	18.20	21.42	710	23.03	28.44
133	2.49	7.00	18.00	1-8	350	9.01	11.17	467	11.07	14.03	704	14.17	18.90
134	2.51	10.50	27.00	2-9	346	16.99	19.35	461	20.87	24.22	696	26.05	31.82
135	2.53	14.00	36.00	3-10,12	344	24.24	26.91	459	29.27	33.22	...	...	...
136	2.58	7.50	20.00	1-6	337	10.20	12.38	449	12.56	15.56	678	16.09	20.94
137	2.60	9.00	24.00	1-10,12	335	13.66	15.92	447	16.84	20.00	674	21.41	26.66
138	2.63	10.00	27.00	2-9	330	15.89	18.22	440	19.56	22.84	664	24.59	30.17
139	2.67	11.00	30.00	2-10,12	326	18.07	20.47	435	22.17	25.59	656	27.44	33.42
140	2.71	16.00	44.00	3-10,12	321	28.05	30.95	428	33.36	37.77	...	...	...
141	2.72	13.00	36.00	3-10,12	320	22.25	24.82	427	27.03	30.79	644	32.10	39.03
142	2.74	8.50	24.00	1-10	317	12.52	14.76	423	15.44	18.54	638	19.72	24.82
143	2.76	7.00	20.00	1-8	316	9.02	11.17	421	11.09	14.04	635	14.19	18.92
144	2.77	9.50	27.00	2-9	314	14.79	17.08	419	18.22	21.43	632	23.05	28.46
145	2.79	10.50	30.00	2-10,12	312	16.99	19.36	416	20.88	24.23	627	26.06	31.84
146	2.90	8.00	24.00	1-10	300	11.37	13.58	399	14.02	17.07	602	17.95	22.92
147	2.91	9.00	27.00	2-9	298	13.67	15.93	398	16.85	20.00	600	21.43	26.68
148	2.92	10.00	30.00	2-10,12	298	15.90	18.23	397	19.57	22.85	599	24.60	30.19
149	2.94	12.00	36.00	3-10,12	296	20.20	22.68	395	24.67	28.25	596	29.97	36.39
150	3.07	9.50	30.00	2-10,12	283	14.79	17.09	378	18.23	21.44	570	23.06	28.47

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	870 RPM			1160 RPM			1750 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						CP	CX		CP	CX		CP	CX
151	3.07	16.00	50.00	3-10,12	283	28.05	30.95	377	33.37	37.78	...	...	...
152	3.08	8.50	27.00	2-9	283	12.53	14.76	377	15.45	18.55	568	19.73	24.83
153	3.08	14.00	44.00	3-10,12	282	24.25	26.93	376	29.29	33.24	...	...	...
154	3.09	7.50	24.00	1-6	282	10.21	12.39	376	12.57	15.57	567	16.11	20.95
155	3.19	11.00	36.00	3-10,12	272	18.08	20.48	363	22.18	25.60	548	27.47	33.43
156	3.23	9.00	30.00	2-10,12	269	13.67	15.93	359	16.86	20.01	541	21.44	26.68
157	3.26	8.00	27.00	2-9	267	11.38	13.58	356	14.03	17.07	536	17.96	22.93
158	3.30	7.00	24.00	1-8	264	9.03	11.18	352	11.10	14.05	531	14.21	18.93
159	3.31	13.00	44.00	3-10,12	263	22.26	24.83	350	27.05	30.80	528	32.13	39.05
160	3.34	10.50	36.00	3-10,12	261	17.00	19.37	347	20.90	24.24	524	26.08	31.85
161	3.42	8.50	30.00	2-10	255	12.53	14.76	340	15.46	18.55	512	19.74	24.84
162	3.47	7.50	27.00	2-6	251	10.21	12.39	334	12.58	15.57	505	16.12	20.96
163	3.50	10.00	36.00	3-10,12	249	15.91	18.23	331	19.58	22.86	500	24.62	30.20
164	3.50	14.00	50.00	3-10,12	249	24.26	26.93	331	29.29	33.24	...	...	...
165	3.58	12.00	44.00	3-10,12	243	20.21	22.69	324	24.68	28.25	489	29.99	36.40
166	3.62	8.00	30.00	2-10	240	11.38	13.58	321	14.04	17.08	484	17.97	22.93
167	3.68	9.50	36.00	3-10,12	237	14.80	17.09	315	18.24	21.45	476	23.07	28.48
168	3.70	7.00	27.00	2-8	235	9.04	11.18	313	11.10	14.05	473	14.22	18.94
169	3.76	13.00	50.00	3-10,12	231	22.27	24.84	308	27.05	30.80	465	32.14	39.06
170	3.85	7.50	30.00	2-6	226	10.22	12.39	301	12.58	15.58	455	16.13	20.97
171	3.87	9.00	36.00	3-10,12	225	13.68	15.94	300	16.87	20.01	452	21.45	26.69
172	3.89	11.00	44.00	3-10,12	223	18.09	20.49	298	22.19	25.61	449	27.48	33.44
173	4.06	12.00	50.00	3-10,12	214	20.21	22.69	285	24.69	28.26	431	29.99	36.40
174	4.07	10.50	44.00	3-10,12	214	17.01	19.37	285	20.91	24.25	430	26.10	31.86
175	4.09	8.50	36.00	3-10	213	12.54	14.77	284	15.47	18.56	428	19.75	24.85
176	4.11	7.00	30.00	2-8	212	9.04	11.19	282	11.11	14.06	426	14.22	18.94
177	4.27	10.00	44.00	3-10,12	204	15.92	18.24	272	19.59	22.86	410	24.63	30.21
178	4.33	8.00	36.00	3-10	201	11.39	13.59	268	14.04	17.08	404	17.98	22.94
179	4.42	11.00	50.00	3-10,12	197	18.09	20.49	262	22.20	25.61	396	27.49	33.45
180	4.48	9.50	44.00	3-10,12	194	14.81	17.10	259	18.24	21.45	390	23.08	28.49
181	4.61	7.50	36.00	3-6	189	10.22	12.39	252	12.59	15.58	380	16.14	20.97
182	4.62	10.50	50.00	3-10,12	188	17.01	19.37	251	20.91	24.25	378	26.10	31.86
183	4.72	9.00	44.00	3-10,12	184	13.68	15.94	246	16.87	20.02	370	21.46	26.70
184	4.85	10.00	50.00	3-10,12	180	15.92	18.24	239	19.59	22.86	361	24.64	30.21
185	4.92	7.00	36.00	3-8	177	9.04	11.19	236	11.11	14.06	356	14.23	18.95
186	4.99	8.50	44.00	3-10	174	12.54	14.77	233	15.47	18.56	351	19.76	24.85
187	5.09	9.50	50.00	3-10,12	171	14.81	17.10	228	18.25	21.45	344	23.09	28.49
188	5.29	8.00	44.00	3-10	165	11.39	13.59	219	14.05	17.08	331	17.99	22.94
189	5.36	9.00	50.00	3-10,12	162	13.68	15.94	216	16.87	20.02	326	21.46	26.70
190	5.62	7.50	44.00	3-6	155	10.23	12.40	206	12.59	15.58	311	16.15	20.97
191	5.66	8.50	50.00	3-10	154	12.55	14.77	205	15.47	18.56	309	19.76	24.85
192	6.00	7.00	44.00	3-8	145	9.04	11.19	193	11.12	14.06	292	14.24	18.95
193	6.00	8.00	50.00	3-10	145	11.39	13.59	193	14.05	17.09	292	17.99	22.94
194	6.38	7.50	50.00	3-6	136	10.23	12.40	182	12.60	15.59	274	16.15	20.98
195	6.81	7.00	50.00	3-8	128	9.05	11.19	170	11.12	14.06	257	14.24	18.95

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	870 RPM			1160 RPM			1750 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						DP	DX		DP	DX		DP	DX
1	1.00	12.00	12.00	3-6,8,10,12	870	24.56	24.56	1160	28.43	28.43	1750	28.78	28.78
2	1.00	13.00	13.00	3-6,8,10,12	870	28.39	28.39	1160	32.81	32.81	1750	32.60	32.60
3	1.00	13.50	13.50	3-6,8,10,12	870	30.26	30.26	1160	34.92	34.92	1750	34.23	34.23
4	1.00	14.00	14.00	3-6,8,10,12	870	32.10	32.10	1160	36.96	36.96	...	...	...
5	1.00	14.50	14.50	3-6,8,10,12	870	33.92	33.92	1160	38.93	38.93	...	...	...
6	1.00	15.00	15.00	3-6,8,10,12	870	35.70	35.70	1160	40.84	40.84	...	...	...
7	1.00	15.50	15.50	3-6,8,10,12	870	37.45	37.45	1160	42.68	42.68	...	...	...
8	1.00	16.00	16.00	3-6,8,10,12	870	39.16	39.16	1160	44.46	44.46	...	...	...
9	1.00	17.00	17.00	4-6,8,10,12	870	42.50	42.50	1160	47.80	47.80	...	...	...
10	1.00	18.00	18.00	3-6,8,10,12	870	45.70	45.70	1160	50.84	50.84	...	...	...
11	1.00	20.00	20.00	4-6,8,10,12	870	51.69	51.69	1160	56.01	56.01	...	...	...
12	1.00	22.00	22.00	3-6,8,10,12	870	57.07	57.07	...	...	...	...	...	...
13	1.03	15.50	16.00	3-6,8,10,12	844	37.94	37.94	1125	43.34	43.34	...	...	...
14	1.03	15.00	15.50	3-6,8,10,12	843	36.20	36.20	1124	41.52	41.52	...	...	...
15	1.03	14.50	15.00	3-6,8,10,12	842	34.44	34.44	1123	39.63	39.63	...	...	...
16	1.03	14.00	14.50	3-6,8,10,12	841	32.64	32.64	1122	37.67	37.67	...	...	...
17	1.04	13.50	14.00	3-6,8,10,12	840	30.82	30.82	1120	35.66	35.66	1690	35.35	35.35
18	1.04	13.00	13.50	3-6,8,10,12	839	28.96	28.96	1119	33.58	33.58	1688	33.76	33.76
19	1.06	17.00	18.00	4-6,8,10,12	823	43.35	43.35	1098	48.93	48.93	...	...	...
20	1.06	16.00	17.00	4-6,8,10,12	821	40.05	40.05	1094	45.65	45.65	...	...	...
21	1.06	15.00	16.00	3-6,8,10,12	818	36.64	36.64	1090	42.09	42.09	...	...	...
22	1.07	14.50	15.50	3-6,8,10,12	816	34.88	34.88	1088	40.22	40.22	...	...	...
23	1.07	14.00	15.00	3-6,8,10,12	814	33.10	33.10	1086	38.28	38.28	...	...	...
24	1.07	13.50	14.50	3-6,8,10,12	812	31.28	31.28	1083	36.28	36.28	1634	36.29	36.29
25	1.07	13.00	14.00	3-6,8,10,12	810	29.44	29.44	1081	34.22	34.22	1630	34.72	34.72
26	1.08	12.00	13.00	3-6,8,10,12	806	25.68	25.68	1075	29.93	29.93	1621	31.04	31.04
27	1.09	22.00	24.00	3-6,8,10,12	799	58.30	58.30	...	...	...	...	...	...
28	1.09	15.50	17.00	4-6,8,10,12	796	38.72	38.72	1061	44.38	44.38	...	...	...
29	1.10	20.00	22.00	4-6,8,10,12	793	53.00	53.00	1057	57.76	57.76	...	...	...
30	1.10	14.50	16.00	3-6,8,10,12	791	35.26	35.26	1055	40.72	40.72	...	...	...
31	1.10	14.00	15.50	3-6,8,10,12	789	33.48	33.48	1052	38.79	38.79	...	...	...
32	1.11	13.50	15.00	3-6,8,10,12	786	31.67	31.67	1048	36.80	36.80	1582	37.07	37.07
33	1.11	18.00	20.00	4-6,8,10,12	786	47.13	47.13	1047	52.74	52.74	...	...	...
34	1.11	13.00	14.50	3-6,8,10,12	784	29.84	29.84	1045	34.75	34.75	1576	35.52	35.52
35	1.12	12.00	13.50	3-6,8,10,12	777	26.09	26.09	1037	30.48	30.48	1564	31.87	31.87
36	1.12	16.00	18.00	3-6,8,10,12	776	40.71	40.71	1035	46.53	46.53	...	...	...
37	1.13	15.00	17.00	4-6,8,10,12	771	37.32	37.32	1028	43.00	43.00	...	...	...
38	1.14	14.00	16.00	3-6,8,10,12	765	33.80	33.80	1020	39.22	39.22	...	...	...
39	1.14	13.50	15.50	3-6,8,10,12	762	32.00	32.00	1016	37.24	37.24	1533	37.73	37.73
40	1.15	13.00	15.00	3-6,8,10,12	758	30.17	30.17	1011	35.19	35.19	1526	36.19	36.19
41	1.16	15.50	18.00	3-6,8,10,12	753	39.30	39.30	1004	45.15	45.15	...	...	...
42	1.16	12.00	14.00	3-6,8,10,12	751	26.44	26.44	1001	30.93	30.93	1510	32.56	32.56
43	1.17	14.50	17.00	4-6,8,10,12	746	35.84	35.84	995	41.50	41.50	...	...	...
44	1.17	17.00	20.00	4-6,8,10,12	743	44.47	44.47	991	50.42	50.42	...	...	...
45	1.18	13.50	16.00	3-6,8,10,12	739	32.28	32.28	985	37.60	37.60	1486	38.28	38.28
46	1.18	13.00	15.50	3-6,8,10,12	735	30.45	30.45	980	35.56	35.56	1478	36.75	36.75
47	1.19	15.00	18.00	3-6,8,10,12	730	37.82	37.82	973	43.67	43.67	...	...	...
48	1.19	20.00	24.00	4-6,8,10,12	729	53.82	53.82	971	58.85	58.85	...	...	...
49	1.20	12.00	14.50	3-6,8,10,12	726	26.72	26.72	968	31.31	31.31	1460	33.13	33.13
50	1.21	14.00	17.00	4-6,8,10,12	722	34.31	34.31	962	39.89	39.89	...	...	...

Shaded area diameters are below industry standard for belt.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	870 RPM			1160 RPM			1750 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						DP	DX		DP	DX		DP	DX
51	1.22	18.00	22.00	3-6,8,10,12	716	47.97	47.97	955	53.86	53.86	...	...	...
52	1.22	13.00	16.00	3-6,8,10,12	713	30.68	30.68	950	35.87	35.87	1434	37.22	37.22
53	1.22	22.00	27.00	3-6,8,10,12	712	59.37	59.37	...	...	...	...	...	...
54	1.23	14.50	18.00	3-6,8,10,12	706	36.27	36.27	942	42.08	42.08	...	...	...
55	1.24	12.00	15.00	3-6,8,10,12	703	26.95	26.95	937	31.62	31.62	1413	33.60	33.60
56	1.24	16.00	20.00	4-6,8,10,12	701	41.57	41.57	935	47.67	47.67	...	...	...
57	1.25	13.50	17.00	4-6,8,10,12	697	32.71	32.71	929	38.18	38.18	1402	39.15	39.15
58	1.27	14.00	18.00	3-6,8,10,12	683	34.67	34.67	911	40.38	40.38	...	...	...
59	1.28	12.00	15.50	3-6,8,10,12	681	27.15	27.15	908	31.88	31.88	1370	33.99	33.99
60	1.28	15.50	20.00	4-6,8,10,12	680	40.04	40.04	907	46.14	46.14	...	...	...
61	1.28	17.00	22.00	4-6,8,10,12	678	45.12	45.12	903	51.28	51.28	...	...	...
62	1.29	13.00	17.00	4-6,8,10,12	672	31.05	31.05	896	36.36	36.36	1352	37.95	37.95
63	1.32	12.00	16.00	3-6,8,10,12	660	27.31	27.31	880	32.10	32.10	1328	34.32	34.32
64	1.32	13.50	18.00	3-6,8,10,12	660	33.02	33.02	879	38.59	38.59	1327	39.78	39.78
65	1.32	15.00	20.00	4-6,8,10,12	659	38.46	38.46	878	44.52	44.52	...	...	...
66	1.32	18.00	24.00	3-6,8,10,12	658	48.47	48.47	877	54.54	54.54	...	...	...
67	1.34	20.00	27.00	4-6,8,10,12	649	54.52	54.52	866	59.78	59.78	...	...	...
68	1.36	16.00	22.00	3-6,8,10,12	639	42.07	42.07	852	48.33	48.33	...	...	...
69	1.36	14.50	20.00	4-6,8,10,12	638	36.83	36.83	850	42.81	42.81	...	...	...
70	1.37	13.00	18.00	3-6,8,10,12	636	31.31	31.31	848	36.71	36.71	1280	38.48	38.48
71	1.40	12.00	17.00	4-6,8,10,12	623	27.56	27.56	830	32.44	32.44	1253	34.83	34.83
72	1.40	17.00	24.00	4-6,8,10,12	622	45.51	45.51	830	51.81	51.81	...	...	...
73	1.40	15.50	22.00	3-6,8,10,12	620	40.47	40.47	826	46.72	46.72	...	...	...
74	1.41	14.00	20.00	4-6,8,10,12	617	35.15	35.15	822	41.01	41.01	...	...	...
75	1.45	15.00	22.00	3-6,8,10,12	601	38.83	38.83	801	45.02	45.02	...	...	...
76	1.46	13.50	20.00	4-6,8,10,12	595	33.42	33.42	794	39.13	39.13	1198	40.58	40.58
77	1.48	12.00	18.00	3-6,8,10,12	589	27.75	27.75	786	32.68	32.68	1185	35.20	35.20
78	1.48	16.00	24.00	3-6,8,10,12	587	42.36	42.36	783	48.73	48.73	...	...	...
79	1.48	18.00	27.00	3-6,8,10,12	586	48.91	48.91	782	55.12	55.12	...	...	...
80	1.49	22.00	33.00	3-6,8,10,12	585	60.28	60.28	...	...	...	...	...	...
81	1.50	14.50	22.00	3-6,8,10,12	581	37.14	37.14	775	43.24	43.24	...	...	...
82	1.51	13.00	20.00	4-6,8,10,12	574	31.65	31.65	766	37.16	37.16	1155	39.16	39.16
83	1.53	15.50	24.00	3-6,8,10,12	569	40.73	40.73	759	47.06	47.06	...	...	...
84	1.55	14.00	22.00	3-6,8,10,12	562	35.42	35.42	749	41.38	41.38	...	...	...
85	1.57	17.00	27.00	4-6,8,10,12	555	45.85	45.85	740	52.26	52.26	...	...	...
86	1.58	15.00	24.00	3-6,8,10,12	552	39.05	39.05	736	45.32	45.32	...	...	...
87	1.60	13.50	22.00	3-6,8,10,12	543	33.65	33.65	724	39.44	39.44	1092	41.05	41.05
88	1.63	14.50	24.00	3-6,8,10,12	534	37.34	37.34	712	43.50	43.50	...	...	...
89	1.63	20.00	33.00	4-6,8,10,12	533	55.11	55.11	711	60.57	60.57	...	...	...
90	1.63	12.00	20.00	4-6,8,10,12	532	27.99	27.99	710	33.00	33.00	1070	35.68	35.68
91	1.66	13.00	22.00	3-6,8,10,12	524	31.85	31.85	698	37.43	37.43	1053	39.56	39.56
92	1.66	16.00	27.00	3-6,8,10,12	523	42.62	42.62	698	49.07	49.07	...	...	...
93	1.68	14.00	24.00	3-6,8,10,12	516	35.59	35.59	688	41.60	41.60	...	...	...
94	1.71	15.50	27.00	3-6,8,10,12	508	40.96	40.96	677	47.36	47.36	...	...	...
95	1.74	13.50	24.00	3-6,8,10,12	499	33.80	33.80	665	39.63	39.63	1003	41.34	41.34
96	1.77	15.00	27.00	3-6,8,10,12	492	39.25	39.25	656	45.58	45.58	...	...	...
97	1.79	12.00	22.00	3-6,8,10,12	485	28.13	28.13	647	33.19	33.19	976	35.97	35.97
98	1.80	22.00	40.00	3-6,8,10,12	484	60.65	60.65	...	...	...	...	...	...
99	1.81	18.00	33.00	3-6,8,10,12	482	49.29	49.29	642	55.62	55.62	...	...	...
100	1.81	13.00	24.00	3-6,8,10,12	481	31.97	31.97	641	37.59	37.59	967	39.81	39.81

Shaded area diameters are below industry standard for belt.

LINE #	RATIO	STOCK SHEAVES			DRIVEN SPEEDS AND HORSEPOWER RATINGS PER BELT								
		Datum Diameter		Number Grooves	870 RPM			1160 RPM			1750 RPM		
		DR	DN		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings		Driven Speed	H.P. Ratings	
						DP	DX		DP	DX		DP	DX
101	1.83	14.50	27.00	3-6,8,10,12	476	37.51	37.51	635	43.73	43.73	...	...	...
102	1.89	14.00	27.00	3-6,8,10,12	460	35.74	35.74	614	41.80	41.80	...	...	...
103	1.91	17.00	33.00	4-6,8,10,12	456	46.14	46.14	608	52.65	52.65	...	...	...
104	1.95	12.00	24.00	3-6,8,10,12	446	28.22	28.22	594	33.31	33.31	896	36.15	36.15
105	1.96	13.50	27.00	3-6,8,10,12	444	33.93	33.93	593	39.80	39.80	894	41.60	41.60
106	1.97	20.00	40.00	4-6,8,10,12	441	55.36	55.36	589	60.90	60.90	...	...	...
107	2.02	16.00	33.00	3-6,8,10,12	430	42.86	42.86	573	49.38	49.38	...	...	...
108	2.03	13.00	27.00	3-6,8,10,12	429	32.09	32.09	572	37.74	37.74	862	40.03	40.03
109	2.09	15.50	33.00	3-6,8,10,12	417	41.16	41.16	556	47.64	47.64	...	...	...
110	2.15	22.00	48.00	5-6,8,10,1	405	60.81	60.81	...	...	...	...	...	...
111	2.15	15.00	33.00	3-6,8,10,12	404	39.43	39.43	539	45.82	45.82	...	...	...
112	2.18	18.00	40.00	3-6,8,10,12	399	49.45	49.45	531	55.84	55.84	...	...	...
113	2.19	12.00	27.00	3-6,8,10,12	397	28.31	28.31	530	33.43	33.43	799	36.32	36.32
114	2.23	14.50	33.00	3-6,8,10,12	391	37.67	37.67	521	43.94	43.94	...	...	...
115	2.30	14.00	33.00	3-6,8,10,12	378	35.88	35.88	504	41.99	41.99	...	...	...
116	2.31	17.00	40.00	4-6,8,10,12	377	46.28	46.28	503	52.83	52.83	...	...	...
117	2.36	20.00	48.00	5-6,8,10,1	369	55.47	55.47	492	61.05	61.05	...	...	...
118	2.38	13.50	33.00	3-6,8,10,12	365	34.05	34.05	487	39.97	39.97	734	41.85	41.85
119	2.45	16.00	40.00	3-6,8,10,12	356	42.96	42.96	474	49.53	49.53	...	...	...
120	2.47	13.00	33.00	3-6,8,10,12	352	32.19	32.19	470	37.89	37.89	708	40.25	40.25
121	2.52	15.50	40.00	3-6,8,10,12	345	41.26	41.26	460	47.77	47.77	...	...	...
122	2.59	22.00	58.00	5-6,8,10,1	336	60.89	60.89	...	...	...	...	...	...
123	2.60	15.00	40.00	3-6,8,10,12	334	39.52	39.52	446	45.94	45.94	...	...	...
124	2.61	18.00	48.00	5-6,8,10,1	333	49.53	49.53	444	55.94	55.94	...	...	...
125	2.67	12.00	33.00	3-6,8,10,12	326	28.39	28.39	435	33.54	33.54	656	36.49	36.49
126	2.69	14.50	40.00	3-6,8,10,12	324	37.75	37.75	431	44.04	44.04	...	...	...
127	2.76	17.00	48.00	5-6,8,10,1	315	46.34	46.34	420	52.92	52.92	...	...	...
128	2.78	14.00	40.00	3-6,8,10,12	313	35.95	35.95	417	42.08	42.08	...	...	...
129	2.84	20.00	58.00	5-6,8,10,1	306	55.53	55.53	408	61.14	61.14	...	...	...
130	2.88	13.50	40.00	3-6,8,10,12	302	34.11	34.11	403	40.05	40.05	608	41.97	41.97
131	2.93	16.00	48.00	5-6,8,10,1	297	43.02	43.02	396	49.60	49.60	...	...	...
132	2.99	13.00	40.00	3-6,8,10,12	291	32.25	32.25	389	37.96	37.96	586	40.36	40.36
133	3.02	15.50	48.00	5-6,8,10,1	288	41.31	41.31	384	47.83	47.83	...	...	...
134	3.12	15.00	48.00	5-6,8,10,1	279	39.56	39.56	372	46.00	46.00	...	...	...
135	3.15	18.00	58.00	5-6,8,10,1	276	49.57	49.57	368	56.00	56.00	...	...	...
136	3.22	14.50	48.00	5-6,8,10,1	270	37.79	37.79	360	44.09	44.09	...	...	...
137	3.22	12.00	40.00	3-6,8,10,12	270	28.43	28.43	360	33.59	33.59	543	36.57	36.57
138	3.33	14.00	48.00	5-6,8,10,1	261	35.98	35.98	348	42.13	42.13	...	...	...
139	3.33	17.00	58.00	5-6,8,10,1	261	46.38	46.38	348	52.97	52.97	...	...	...
140	3.45	13.50	48.00	5-6,8,10,1	252	34.14	34.14	337	40.09	40.09	508	42.04	42.04
141	3.53	16.00	58.00	5-6,8,10,1	246	43.05	43.05	329	49.64	49.64	...	...	...
142	3.57	13.00	48.00	5-6,8,10,1	243	32.28	32.28	325	38.00	38.00	490	40.42	40.42
143	3.64	15.50	58.00	5-6,8,10,1	239	41.34	41.34	319	47.87	47.87	...	...	...
144	3.76	15.00	58.00	5-6,8,10,1	232	39.59	39.59	309	46.03	46.03	...	...	...
145	3.86	12.00	48.00	5-6,8,10,1	226	28.45	28.45	301	33.63	33.63	454	36.62	36.62
146	3.88	14.50	58.00	5-6,8,10,1	224	37.81	37.81	299	44.13	44.13	...	...	...
147	4.01	14.00	58.00	5-6,8,10,1	217	36.00	36.00	289	42.16	42.16	...	...	...
148	4.16	13.50	58.00	5-6,8,10,1	209	34.16	34.16	279	40.12	40.12	421	42.08	42.08
149	4.31	13.00	58.00	5-6,8,10,1	202	32.30	32.30	269	38.02	38.02	406	40.46	40.46
150	4.65	12.00	58.00	5-6,8,10,1	187	28.47	28.47	249	33.65	33.65	376	36.65	36.65

Shaded area diameters are below industry standard for belt.

Classical horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the rpm of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

		BASIC HORSEPOWER RATING PER BELT													
		SMALL SHEAVE DIAMETER													
Datum	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.40	4.60	4.80	5.00	5.20	5.40	5.60	5.80
Pitch	3.25	3.45	3.65	3.85	4.05	4.25	4.45	4.65	4.85	5.05	5.25	5.45	5.65	5.85	6.05
1160	1.62	1.87	2.13	2.38	2.63	2.88	3.13	3.37	3.62	3.86	4.10	4.34	4.57	4.81	5.04
1460	1.89	2.21	2.52	2.82	3.13	3.43	3.73	4.03	4.32	4.61	4.90	5.19	5.47	5.76	6.04
1750	2.13	2.50	2.86	3.21	3.57	3.92	4.26	4.61	4.94	5.28	5.61	5.94	6.27	6.59	6.90
2900	2.82	3.36	3.89	4.41	4.92	5.41	5.90	6.38	6.85	7.30	7.74	8.18	8.60	9.01	9.40
3500	3.02	3.63	4.22	4.80	5.36	5.91	6.44	6.95	7.44	7.92	8.38	8.82	9.24	9.64	10.0
600	0.99	1.14	1.28	1.42	1.56	1.70	1.84	1.98	2.11	2.25	2.39	2.52	2.66	2.79	2.93
700	1.12	1.28	1.44	1.61	1.77	1.93	2.09	2.25	2.40	2.56	2.72	2.87	3.03	3.18	3.33
800	1.23	1.42	1.60	1.78	1.97	2.15	2.33	2.50	2.68	2.86	3.03	3.21	3.38	3.55	3.73
900	1.35	1.55	1.75	1.96	2.16	2.36	2.56	2.75	2.95	3.15	3.34	3.53	3.73	3.92	4.11
1000	1.45	1.68	1.90	2.12	2.34	2.56	2.78	3.00	3.21	3.43	3.64	3.85	4.06	4.27	4.48
1200	1.66	1.92	2.18	2.44	2.70	2.96	3.21	3.46	3.71	3.96	4.21	4.45	4.70	4.94	5.18
1400	1.84	2.14	2.44	2.74	3.03	3.32	3.61	3.90	4.18	4.47	4.75	5.02	5.30	5.57	5.84
1600	2.01	2.35	2.69	3.02	3.35	3.67	3.99	4.31	4.63	4.94	5.25	5.56	5.87	6.17	6.47
1800	2.17	2.54	2.91	3.28	3.64	4.00	4.35	4.70	5.05	5.39	5.73	6.06	6.39	6.72	7.04
2000	2.32	2.72	3.13	3.52	3.91	4.30	4.68	5.06	5.44	5.81	6.17	6.53	6.88	7.23	7.58
2200	2.45	2.89	3.32	3.75	4.17	4.59	5.00	5.40	5.80	6.19	6.58	6.96	7.34	7.71	8.07
2400	2.57	3.04	3.50	3.96	4.41	4.85	5.28	5.71	6.13	6.55	6.96	7.36	7.75	8.14	8.51
2600	2.68	3.18	3.67	4.15	4.63	5.09	5.55	6.00	6.44	6.87	7.30	7.71	8.12	8.52	8.91
2800	2.78	3.30	3.82	4.33	4.82	5.31	5.79	6.26	6.72	7.17	7.61	8.03	8.45	8.86	9.25
3000	2.86	3.41	3.95	4.48	5.00	5.51	6.01	6.49	6.97	7.43	7.87	8.31	8.73	9.14	9.54
3200	2.94	3.51	4.07	4.62	5.16	5.69	6.20	6.70	7.18	7.65	8.11	8.55	8.97	9.38	9.78
3400	3.00	3.59	4.18	4.75	5.30	5.84	6.36	6.87	7.36	7.84	8.30	8.74	9.16	9.57	9.95
3600	3.04	3.66	4.26	4.85	5.42	5.97	6.50	7.02	7.51	7.99	8.45	8.88	9.30	9.69	10.1
3800	3.08	3.71	4.33	4.93	5.51	6.07	6.61	7.13	7.63	8.10	8.55	8.98	9.38	9.76	10.1
4000	3.10	3.75	4.38	4.99	5.58	6.15	6.69	7.21	7.70	8.17	8.61	9.03	9.42	9.77*	10.1*
4200	3.11	3.77	4.42	5.04	5.63	6.20	6.74	7.26	7.74	8.20	8.63	9.02	9.39*	9.72*	10.0*
4400	3.10	3.78	4.43	5.06	5.66	6.23	6.76	7.27	7.75	8.19	8.60*	8.97*	9.30*	9.60*	9.86*
4600	3.08	3.77	4.43	5.06	5.66	6.22	6.75	7.25	7.71	8.13*	8.51*	8.86*	9.16*	9.42*	9.64*
4800	3.05	3.74	4.41	5.04	5.63	6.19	6.71	7.19	7.63*	8.02*	8.38*	8.69*	8.95*	9.16*	9.33*
5000	3.00	3.70	4.37	4.99	5.58	6.13	6.63	7.09*	7.50*	7.87*	8.19*	8.46*	8.67*	8.83*	8.94*

* Made-to-order ductile iron sheaves required.

HORSEPOWER RATINGS for AP BELTS



An Altra Industrial Motion Company

The combined Arc-Length correction factor shown in the Classical pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page B2-25, should be applied to the total hp per belt before determining the number of belts required for the drive.

NOTE: These ratings apply for the Classical type belts only.

BASIC HORSEPOWER RATING PER BELT						"ADD-ON" RATING									
SMALL SHEAVE DIAMETER						SPEED RATIO									
6.00	6.20	6.40	6.60	6.80	7.00	1.00	1.02	1.06	1.10	1.15	1.20	1.30	1.50	2.00	
6.25	6.45	6.65	6.85	7.05	7.25	1.01	1.05	1.09	1.14	1.19	1.29	1.49	1.99	9.99	
5.28	5.51	5.74	5.96	6.19	6.42	0.01	0.05	0.09	0.13	0.16	0.20	0.25	0.29	0.33	
6.31	6.59	6.86	7.13	7.40	7.66	0.01	0.06	0.11	0.16	0.21	0.25	0.31	0.37	0.41	
7.22	7.53	7.84	8.14	8.44	8.73	0.01	0.07	0.13	0.19	0.25	0.31	0.38	0.44	0.49	
9.79	10.2	10.5	10.9	11.2	11.5	0.02	0.11	0.22	0.32	0.41	0.51	0.62	0.74	0.82	
10.4	10.7	11.0*	11.3*	11.6*	11.8*	0.02	0.14	0.27	0.39	0.49	0.61	0.75	0.89	0.99	
3.06	3.19	3.33	3.46	3.59	3.72	0.00	0.02	0.05	0.07	0.08	0.10	0.13	0.15	0.17	
3.49	3.64	3.79	3.94	4.09	4.24	0.00	0.03	0.05	0.08	0.10	0.12	0.15	0.18	0.20	
3.90	4.07	4.24	4.41	4.57	4.74	0.00	0.03	0.06	0.09	0.11	0.14	0.17	0.20	0.23	
4.30	4.48	4.67	4.86	5.04	5.23	0.01	0.04	0.07	0.10	0.13	0.16	0.19	0.23	0.25	
4.68	4.89	5.09	5.29	5.49	5.70	0.01	0.04	0.08	0.11	0.14	0.17	0.22	0.25	0.28	
5.42	5.66	5.89	6.13	6.36	6.59	0.01	0.05	0.09	0.13	0.17	0.21	0.26	0.30	0.34	
6.11	6.38	6.64	6.91	7.17	7.42	0.01	0.06	0.11	0.16	0.20	0.24	0.30	0.36	0.39	
6.76	7.05	7.34	7.63	7.92	8.20	0.01	0.06	0.12	0.18	0.23	0.28	0.34	0.41	0.45	
7.36	7.68	7.99	8.30	8.60	8.90	0.01	0.07	0.14	0.20	0.25	0.31	0.39	0.46	0.51	
7.92	8.26	8.59	8.91	9.23	9.55	0.01	0.08	0.15	0.22	0.28	0.35	0.43	0.51	0.56	
8.43	8.78	9.12	9.46	9.79	10.1	0.01	0.09	0.17	0.24	0.31	0.38	0.47	0.56	0.62	
8.88	9.25	9.60	9.95	10.3	10.6	0.01	0.09	0.18	0.27	0.34	0.42	0.52	0.61	0.68	
9.29	9.66	10.0	10.4	10.7	11.0	0.02	0.10	0.20	0.29	0.37	0.45	0.56	0.66	0.73	
9.63	10.0	10.4	10.7	11.0	11.4	0.02	0.11	0.22	0.31	0.39	0.49	0.60	0.71	0.79	
9.92	10.3	10.6	11.0	11.3	11.6	0.02	0.12	0.23	0.33	0.42	0.52	0.65	0.76	0.85	
10.2	10.5	10.9	11.2	11.5	11.8	0.02	0.13	0.25	0.35	0.45	0.56	0.69	0.81	0.90	
10.3	10.7	11.0	11.3	11.6*	11.8*	0.02	0.13	0.26	0.38	0.48	0.59	0.73	0.86	0.96	
10.4	10.7*	11.0*	11.3*	11.6*	11.8*	0.02	0.14	0.28	0.40	0.51	0.63	0.78	0.91	1.01	
10.4*	10.7*	11.0*	11.3*	11.5*	11.7*	0.02	0.15	0.29	0.42	0.54	0.66	0.82	0.96	1.07	
10.4*	10.7*	10.9*	11.1*	11.3*	11.4*	0.02	0.16	0.31	0.44	0.56	0.70	0.86	1.02	1.13	
10.3*	10.5*	10.7*	10.9*	11.0*	11.1*	0.03	0.17	0.32	0.47	0.59	0.73	0.90	1.07	1.18	
10.1*	10.3*	10.4*	10.5*	10.6*	10.6*	0.03	0.17	0.34	0.49	0.62	0.77	0.95	1.12	1.24	
9.81*	9.93*	10.0*	10.0*	10.0*	9.96*	0.03	0.18	0.35	0.51	0.65	0.80	0.99	1.17	1.30	
9.44*	9.51*	9.52*	9.48*	9.38*	9.22*	0.03	0.19	0.37	0.53	0.68	0.84	1.03	1.22	1.35	
8.99*	8.99*	8.92*	8.79*	8.60*	--	0.03	0.20	0.38	0.55	0.70	0.87	1.08	1.27	1.41	

Classical Cog horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the rpm of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

Datum Pitch	BASIC HORSEPOWER RATING PER BELT														
	SMALL SHEAVE DIAMETER														
	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.40	4.60	4.80	5.00	5.20	5.40	5.60	5.80
	3.25	3.45	3.65	3.85	4.05	4.25	4.45	4.65	4.85	5.05	5.25	5.45	5.65	5.85	6.05
1160	1.89	2.15	2.41	2.66	2.91	3.16	3.41	3.66	3.90	4.15	4.39	4.63	4.87	5.11	5.35
1460	2.25	2.56	2.88	3.19	3.49	3.80	4.10	4.40	4.70	4.99	5.29	5.58	5.87	6.15	6.44
1750	2.57	2.93	3.30	3.66	4.01	4.37	4.72	5.07	5.41	5.75	6.09	6.43	6.76	7.09	7.42
2900	3.58	4.14	4.68	5.21	5.74	6.26	6.77	7.27	7.76	8.24	8.71	9.18	9.63	10.1	10.5
3500	3.98	4.61	5.22	5.83	6.42	7.00	7.57	8.12	8.66	9.18	9.69	10.2	10.7	11.1	11.6
600	1.13	1.28	1.42	1.56	1.70	1.84	1.98	2.12	2.26	2.39	2.53	2.67	2.80	2.94	3.07
700	1.28	1.44	1.61	1.77	1.93	2.09	2.25	2.41	2.57	2.73	2.88	3.04	3.19	3.35	3.50
800	1.42	1.61	1.79	1.97	2.16	2.34	2.52	2.70	2.87	3.05	3.23	3.40	3.58	3.75	3.92
900	1.56	1.76	1.97	2.17	2.37	2.57	2.77	2.97	3.17	3.37	3.56	3.75	3.95	4.14	4.33
1000	1.69	1.92	2.14	2.36	2.59	2.81	3.02	3.24	3.46	3.67	3.89	4.10	4.31	4.52	4.73
1200	1.94	2.21	2.47	2.73	2.99	3.25	3.51	3.76	4.01	4.26	4.51	4.76	5.01	5.25	5.50
1400	2.18	2.48	2.78	3.08	3.38	3.67	3.97	4.26	4.54	4.83	5.11	5.39	5.67	5.95	6.23
1600	2.41	2.75	3.08	3.42	3.75	4.08	4.40	4.73	5.05	5.37	5.68	6.00	6.31	6.61	6.92
1800	2.62	2.99	3.37	3.73	4.10	4.46	4.82	5.18	5.53	5.88	6.22	6.57	6.91	7.24	7.58
2000	2.82	3.23	3.63	4.04	4.43	4.83	5.22	5.61	5.99	6.37	6.74	7.11	7.48	7.84	8.20
2200	3.01	3.45	3.89	4.32	4.75	5.18	5.60	6.01	6.42	6.83	7.23	7.62	8.01	8.40	8.78
2400	3.18	3.66	4.13	4.60	5.05	5.51	5.96	6.40	6.83	7.26	7.69	8.11	8.52	8.93	9.33
2600	3.35	3.86	4.36	4.85	5.34	5.82	6.29	6.76	7.22	7.67	8.12	8.56	8.99	9.41	9.83
2800	3.51	4.05	4.58	5.10	5.61	6.12	6.61	7.10	7.58	8.06	8.52	8.98	9.43	9.86	10.3
3000	3.66	4.22	4.78	5.32	5.86	6.39	6.91	7.42	7.92	8.41	8.89	9.37	9.83	10.3	10.7
3200	3.79	4.38	4.97	5.54	6.10	6.65	7.19	7.72	8.24	8.74	9.24	9.72	10.2	10.6	11.1
3400	3.92	4.54	5.14	5.74	6.32	6.89	7.45	7.99	8.52	9.04	9.55	10.0	10.5	11.0	11.4
3600	4.03	4.67	5.30	5.92	6.52	7.11	7.68	8.24	8.78	9.31	9.82	10.3	10.8	11.3	11.7
3800	4.14	4.80	5.45	6.09	6.70	7.31	7.89	8.46	9.01	9.55	10.1	10.6	11.0	11.5	11.9
4000	4.23	4.92	5.59	6.24	6.87	7.48	8.08	8.66	9.22	9.75	10.3	10.8	11.2	11.7*	12.1*
4200	4.31	5.02	5.70	6.37	7.02	7.64	8.25	8.83	9.39	9.93	10.4	10.9	11.4*	11.8*	12.2*
4400	4.38	5.11	5.81	6.49	7.14	7.78	8.39	8.97	9.53	10.1	10.6*	11.1*	11.5*	11.9*	12.3*
4600	4.44	5.18	5.90	6.59	7.25	7.89	8.50	9.09	9.64	10.2*	10.7*	11.1*	11.6*	12.0*	12.3*
4800	4.49	5.25	5.97	6.67	7.34	7.98	8.59	9.17	9.72*	10.2*	10.7*	11.2*	11.6*	11.9*	12.3*
5000	4.53	5.29	6.03	6.73	7.41	8.05	8.66	9.23*	9.77*	10.3*	10.7*	11.2*	11.5*	11.9*	12.2*

* Made-to-order ductile iron sheaves required.

HORSEPOWER RATINGS for AX BELTS



An Altra Industrial Motion Company

The combined Arc-Length correction factor shown in the Classical pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page B2–25, should be applied to the total hp per belt before determining the number of belts required for the drive.

NOTE: These ratings apply for the Classical Cog type belts only.

BASIC HORSEPOWER RATING PER BELT						"ADD-ON" RATING									
SMALL SHEAVE DIAMETER						SPEED RATIO									
6.00	6.20	6.40	6.60	6.80	7.00	1.00	1.02	1.06	1.10	1.15	1.20	1.30	1.50	2.00	
6.25	6.45	6.65	6.85	7.05	7.25	1.01	1.05	1.09	1.14	1.19	1.29	1.49	1.99	9.99	
5.58	5.82	6.05	6.28	6.51	6.74	0.01	0.04	0.09	0.12	0.15	0.19	0.23	0.27	0.29	
6.72	7.00	7.28	7.56	7.83	8.10	0.01	0.06	0.11	0.15	0.19	0.24	0.29	0.34	0.36	
7.74	8.06	8.38	8.69	9.00	9.31	0.01	0.07	0.13	0.18	0.23	0.29	0.35	0.40	0.44	
10.9	11.4	11.8	12.1	12.5	12.9	0.02	0.11	0.21	0.31	0.39	0.47	0.58	0.67	0.72	
12.0	12.4	12.8*	13.2*	13.6*	13.9*	0.02	0.13	0.26	0.37	0.47	0.57	0.69	0.80	0.87	
3.20	3.34	3.47	3.60	3.74	3.87	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.15	
3.66	3.81	3.96	4.11	4.26	4.41	0.00	0.03	0.05	0.07	0.09	0.11	0.14	0.16	0.17	
4.09	4.27	4.44	4.61	4.78	4.94	0.00	0.03	0.06	0.08	0.11	0.13	0.16	0.18	0.20	
4.52	4.71	4.90	5.09	5.27	5.46	0.01	0.03	0.07	0.09	0.12	0.15	0.18	0.21	0.22	
4.94	5.14	5.35	5.56	5.76	5.96	0.01	0.04	0.07	0.11	0.13	0.16	0.20	0.23	0.25	
5.74	5.98	6.22	6.46	6.69	6.93	0.01	0.05	0.09	0.13	0.16	0.20	0.24	0.28	0.30	
6.50	6.77	7.04	7.31	7.58	7.84	0.01	0.05	0.10	0.15	0.19	0.23	0.28	0.32	0.35	
7.22	7.52	7.82	8.12	8.41	8.70	0.01	0.06	0.12	0.17	0.21	0.26	0.32	0.37	0.40	
7.91	8.23	8.56	8.88	9.19	9.51	0.01	0.07	0.13	0.19	0.24	0.29	0.36	0.41	0.45	
8.55	8.90	9.25	9.59	9.93	10.3	0.01	0.08	0.15	0.21	0.27	0.33	0.40	0.46	0.50	
9.16	9.53	9.89	10.3	10.6	11.0	0.01	0.08	0.16	0.23	0.29	0.36	0.44	0.50	0.55	
9.72	10.1	10.5	10.9	11.2	11.6	0.01	0.09	0.18	0.25	0.32	0.39	0.48	0.55	0.60	
10.2	10.6	11.0	11.4	11.8	12.2	0.02	0.10	0.19	0.27	0.35	0.42	0.52	0.60	0.65	
10.7	11.1	11.5	11.9	12.3	12.7	0.02	0.11	0.21	0.30	0.37	0.46	0.56	0.64	0.70	
11.1	11.6	12.0	12.4	12.7	13.1	0.02	0.11	0.22	0.32	0.40	0.49	0.60	0.69	0.75	
11.5	11.9	12.3	12.7	13.1	13.5	0.02	0.12	0.24	0.34	0.43	0.52	0.64	0.73	0.80	
11.9	12.3	12.7	13.1	13.4*	13.8*	0.02	0.13	0.25	0.36	0.45	0.55	0.67	0.78	0.85	
12.1	12.5*	12.9*	13.3*	13.7*	14.0*	0.02	0.14	0.26	0.38	0.48	0.59	0.71	0.83	0.90	
12.4*	12.8*	13.1*	13.5*	13.8*	14.1*	0.02	0.14	0.28	0.40	0.51	0.62	0.75	0.87	0.95	
12.5*	12.9*	13.3*	13.6*	13.9*	14.2*	0.02	0.15	0.29	0.42	0.53	0.65	0.79	0.92	1.00	
12.6*	13.0*	13.3*	13.6*	13.9*	14.1*	0.02	0.16	0.31	0.44	0.56	0.68	0.83	0.96	1.05	
12.7*	13.0*	13.3*	13.6*	13.8*	14.0*	0.03	0.17	0.32	0.46	0.59	0.72	0.87	1.01	1.10	
12.7*	13.0*	13.2*	13.4*	13.6*	13.8*	0.03	0.17	0.34	0.49	0.61	0.75	0.91	1.06	1.15	
12.6*	12.8*	13.1*	13.2*	13.4*	13.4*	0.03	0.18	0.35	0.51	0.64	0.78	0.95	1.10	1.20	
12.4*	12.6*	12.8*	12.9*	13.0*	--	0.03	0.19	0.37	0.53	0.67	0.82	0.99	1.15	1.25	

Classical horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the rpm of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

Datum Pitch	SMALL SHEAVE DIAMETER															
	3.40	3.60	3.80	4.00	4.20	4.40	4.60	4.80	5.00	5.20	5.40	5.60	5.80	6.00	6.20	6.40
	3.81	4.01	4.21	4.41	4.61	4.81	5.01	5.21	5.41	5.61	5.81	6.01	6.21	6.41	6.61	6.81
	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
1160	1.77	2.17	2.57	2.97	3.36	3.75	4.14	4.52	4.90	5.28	5.66	6.04	6.41	6.78	7.14	7.51
1460	1.97	2.46	2.94	3.42	3.89	4.36	4.83	5.29	5.75	6.21	6.66	7.11	7.55	7.99	8.43	8.86
1750	2.10	2.66	3.22	3.78	4.32	4.87	5.40	5.93	6.46	6.98	7.50	8.00	8.51	9.00	9.49	9.98
2900	2.04	2.86	3.66	4.44	5.20	5.95	6.68	7.39	8.08	8.76	9.41	10.0	10.7	11.3	11.8	12.4
3500	1.65	2.55	3.43	4.28	5.10	5.89	6.65	7.38	8.09	8.76	9.40	10.0	10.6	11.1	11.6	12.1
400	0.92	1.08	1.23	1.39	1.54	1.69	1.84	2.00	2.15	2.30	2.45	2.60	2.75	2.89	3.04	3.19
500	1.07	1.26	1.45	1.64	1.83	2.01	2.20	2.39	2.57	2.75	2.94	3.12	3.30	3.48	3.66	3.84
600	1.21	1.43	1.66	1.88	2.10	2.32	2.54	2.75	2.97	3.19	3.40	3.62	3.83	4.04	4.25	4.46
800	1.44	1.73	2.02	2.31	2.59	2.88	3.16	3.44	3.72	4.00	4.27	4.55	4.82	5.09	5.36	5.63
1000	1.64	1.99	2.34	2.69	3.04	3.38	3.72	4.06	4.40	4.74	5.07	5.40	5.73	6.06	6.39	6.71
1200	1.80	2.22	2.63	3.03	3.44	3.84	4.24	4.63	5.02	5.41	5.80	6.19	6.57	6.95	7.33	7.70
1400	1.94	2.41	2.87	3.33	3.79	4.25	4.70	5.15	5.59	6.03	6.47	6.91	7.34	7.76	8.19	8.60
1600	2.04	2.56	3.08	3.60	4.11	4.62	5.12	5.62	6.11	6.60	7.08	7.56	8.03	8.50	8.96	9.42
1800	2.11	2.69	3.26	3.83	4.39	4.94	5.49	6.03	6.57	7.10	7.63	8.14	8.66	9.16	9.66	10.2
2000	2.16	2.79	3.41	4.02	4.63	5.23	5.82	6.40	6.98	7.55	8.11	8.66	9.20	9.74	10.3	10.8
2200	2.18	2.86	3.52	4.18	4.83	5.47	6.10	6.72	7.33	7.93	8.52	9.10	9.68	10.2	10.8	11.3
2400	2.18	2.90	3.60	4.30	4.99	5.66	6.33	6.98	7.62	8.25	8.87	9.47	10.1	10.6	11.2	11.8
2600	2.14	2.90	3.65	4.39	5.11	5.81	6.51	7.19	7.85	8.50	9.14	9.76	10.4	11.0	11.5	12.1
2800	2.08	2.88	3.66	4.43	5.18	5.92	6.64	7.34	8.02	8.69	9.34	9.97	10.6	11.2	11.8	12.3
3000	2.00	2.83	3.64	4.44	5.22	5.97	6.71	7.43	8.13	8.81	9.46	10.1	10.7	11.3	11.9	12.4
3200	1.88	2.74	3.59	4.41	5.20	5.98	6.73	7.46	8.17	8.85	9.50	10.1	10.7	11.3	11.9	12.4
3400	1.74	2.63	3.49	4.33	5.14	5.93	6.69	7.43	8.13	8.81	9.45	10.1	10.7	11.2	11.7	12.2
3600	1.56	2.47	3.36	4.21	5.04	5.83	6.60	7.33	8.02	8.69	9.32	9.91	10.5	11.0	11.5	11.9
3800	1.36	2.29	3.19	4.05	4.88	5.68	6.43	7.16	7.84	8.49	9.09	9.65	10.2	10.6	11.1	11.5*
4000	1.12	2.07	2.97	3.84	4.67	5.46	6.21	6.92	7.58	8.19	8.76	9.29	9.76	10.2*	10.6*	10.9*
4200	0.85	1.81	2.72	3.59	4.41	5.19	5.92	6.60	7.23	7.81	8.34	8.81	9.23*	9.58*	9.88*	10.1*
4400	0.55	1.51	2.42	3.28	4.09	4.85	5.56	6.21	6.80	7.33	7.81*	8.22*	8.56*	8.84*	9.06*	9.20*
4600	0.21	1.17	2.07	2.92	3.72	4.45	5.12	5.73	6.28	6.76*	7.17*	7.51*	7.77*	7.96*	8.08*	8.11*
4800	--	0.79	1.69	2.52	3.28	3.98	4.61	5.18	5.66*	6.08*	6.41*	6.67*	6.84*	6.93*	6.93*	6.85*
5000	--	0.37	1.25	2.05	2.79	3.45	4.03	4.53*	4.95*	5.29*	5.54*	5.70*	5.77*	5.74*	5.62*	5.39*

◆ Diameter below industry standards.

* Made-to-order ductile iron sheaves required.

HORSEPOWER RATINGS for BP BELTS



An Altra Industrial Motion Company

The combined Arc-Length correction factor shown in the Classical pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page B2–25, should be applied to the total hp per belt before determining the number of belts required for the drive.

NOTE: These ratings apply for the Classical type belts only.

BASIC HORSEPOWER RATING PER BELT							"ADD-ON" RATING								
SMALL SHEAVE DIAMETER							SPEED RATIO								
6.60	6.80	7.00	7.40	8.00	8.60	9.40	1.00	1.02	1.06	1.10	1.15	1.20	1.30	1.50	2.00
7.01	7.21	7.41	7.81	8.41	9.01	9.81	1.01	1.05	1.09	1.14	1.19	1.29	1.49	1.99	9.99
7.87	8.23	8.59	9.29	10.3	11.4	12.7	0.01	0.09	0.17	0.24	0.31	0.38	0.47	0.55	0.61
9.29	9.71	10.1	11.0	12.2	13.3	14.8	0.02	0.11	0.21	0.30	0.38	0.48	0.59	0.69	0.77
10.5	10.9	11.4	12.3	13.6	14.9	16.5	0.02	0.13	0.25	0.36	0.46	0.57	0.70	0.83	0.92
12.9	13.4	13.9	14.8	15.9	16.8*	17.7*	0.03	0.21	0.42	0.60	0.76	0.94	1.17	1.38	1.53
12.5	12.9*	13.2*	13.8*	14.4*	14.5*	14.1*	0.04	0.26	0.50	0.73	0.92	1.14	1.41	1.66	1.84
3.34	3.48	3.63	3.92	4.35	4.78	5.35	0.00	0.03	0.06	0.08	0.11	0.13	0.16	0.19	0.21
4.02	4.20	4.38	4.73	5.26	5.78	6.47	0.01	0.04	0.07	0.10	0.13	0.16	0.20	0.24	0.26
4.67	4.88	5.09	5.51	6.12	6.73	7.53	0.01	0.04	0.09	0.12	0.16	0.20	0.24	0.28	0.32
5.90	6.17	6.43	6.96	7.75	8.52	9.53	0.01	0.06	0.11	0.17	0.21	0.26	0.32	0.38	0.42
7.03	7.35	7.67	8.30	9.24	10.2	11.4	0.01	0.07	0.14	0.21	0.26	0.33	0.40	0.47	0.53
8.07	8.44	8.81	9.53	10.6	11.6	13.0	0.01	0.09	0.17	0.25	0.32	0.39	0.48	0.57	0.63
9.02	9.43	9.84	10.6	11.8	13.0	14.4	0.02	0.10	0.20	0.29	0.37	0.46	0.56	0.66	0.74
9.88	10.3	10.8	11.6	12.9	14.1	15.7	0.02	0.12	0.23	0.33	0.42	0.52	0.64	0.76	0.84
10.6	11.1	11.6	12.5	13.9	15.1	16.7	0.02	0.13	0.26	0.37	0.47	0.59	0.72	0.85	0.95
11.3	11.8	12.3	13.3	14.6	15.9	17.5	0.02	0.15	0.29	0.41	0.53	0.65	0.80	0.95	1.05
11.9	12.4	12.9	13.9	15.3	16.5	18.1	0.02	0.16	0.32	0.46	0.58	0.72	0.89	1.04	1.16
12.3	12.8	13.3	14.3	15.7	16.9	18.3	0.03	0.18	0.34	0.50	0.63	0.78	0.97	1.14	1.26
12.6	13.2	13.7	14.6	15.9	17.1	18.3*	0.03	0.19	0.37	0.54	0.68	0.85	1.05	1.23	1.37
12.8	13.4	13.9	14.8	16.0	17.0*	18.0*	0.03	0.21	0.40	0.58	0.74	0.91	1.13	1.33	1.47
12.9	13.4	13.9	14.7	15.8*	16.6*	17.3*	0.03	0.22	0.43	0.62	0.79	0.98	1.21	1.42	1.58
12.9	13.3	13.8	14.5	15.4*	16.0*	16.3*	0.04	0.24	0.46	0.66	0.84	1.04	1.29	1.52	1.68
12.7	13.1	13.5	14.1*	14.8*	15.1*	14.9*	0.04	0.25	0.49	0.70	0.90	1.11	1.37	1.61	1.79
12.3*	12.7*	13.0*	13.5*	13.9*	13.9*	13.1*	0.04	0.27	0.52	0.75	0.95	1.17	1.45	1.71	1.90
11.8*	12.1*	12.3*	12.7*	12.8*	12.4*	11.0*	0.04	0.28	0.55	0.79	1.00	1.24	1.53	1.80	2.00
11.1*	11.3*	11.5*	11.6*	11.3*	10.5*	--	0.05	0.29	0.57	0.83	1.05	1.30	1.61	1.90	2.11
10.3*	10.4*	10.5*	10.3*	9.64*	8.26*	--	0.05	0.31	0.60	0.87	1.11	1.37	1.69	1.99	2.21
9.27*	9.27*	9.20*	8.81*	7.63*	--	--	0.05	0.32	0.63	0.91	1.16	1.43	1.77	2.09	2.32
8.07*	7.94*	7.72*	7.03*	--	--	--	0.05	0.34	0.66	0.95	1.21	1.50	1.85	2.18	2.42
6.67*	6.39*	6.02*	4.99*	--	--	--	0.05	0.35	0.69	0.99	1.26	1.56	1.93	2.28	2.53
5.07*	4.63*	4.09*	--	--	--	--	0.06	0.37	0.72	1.04	1.32	1.63	2.01	2.37	2.63

Classical Cog horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the rpm of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

		BASIC HORSEPOWER RATING PER BELT														
		SMALL SHEAVE DIAMETER														
		3.40	3.60	3.80	4.00	4.20	4.40	4.60	4.80	5.00	5.20	5.40	5.60	5.80	6.00	6.20	6.40
Datum	3.81	4.01	4.21	4.41	4.61	4.81	5.01	5.21	5.41	5.61	5.81	6.01	6.21	6.41	6.61	6.81
Pitch	3.81	4.01	4.21	4.41	4.61	4.81	5.01	5.21	5.41	5.61	5.81	6.01	6.21	6.41	6.61	6.81
1160	2.86	3.27	3.68	4.09	4.50	4.90	5.30	5.70	6.10	6.50	6.89	7.28	7.67	8.05	8.44	8.82
1460	3.37	3.87	4.38	4.87	5.37	5.86	6.35	6.83	7.32	7.79	8.27	8.74	9.21	9.68	10.1	10.6
1750	3.81	4.40	4.98	5.56	6.14	6.71	7.28	7.84	8.40	8.95	9.49	10.0	10.6	11.1	11.6	12.2
2900	5.09	5.96	6.83	7.67	8.51	9.33	10.1	10.9	11.7	12.5	13.2	13.9	14.6	15.3	16.0	16.7
3500	5.45	6.44	7.41	8.36	9.28	10.2	11.1	11.9	12.7	13.5	14.3	15.1	15.8	16.5	17.2	17.8
400	1.26	1.41	1.57	1.73	1.88	2.04	2.19	2.35	2.50	2.66	2.81	2.96	3.11	3.26	3.42	3.57
500	1.50	1.70	1.89	2.08	2.27	2.46	2.65	2.84	3.03	3.22	3.40	3.59	3.78	3.96	4.15	4.33
600	1.73	1.96	2.19	2.42	2.64	2.87	3.09	3.31	3.54	3.76	3.98	4.20	4.42	4.63	4.85	5.07
800	2.17	2.46	2.76	3.05	3.34	3.63	3.92	4.21	4.50	4.79	5.07	5.35	5.64	5.92	6.20	6.48
1000	2.56	2.92	3.29	3.64	4.00	4.35	4.71	5.06	5.41	5.76	6.10	6.45	6.79	7.13	7.47	7.81
1200	2.93	3.36	3.78	4.20	4.62	5.03	5.45	5.86	6.27	6.67	7.08	7.48	7.88	8.28	8.67	9.07
1400	3.27	3.76	4.24	4.72	5.20	5.68	6.15	6.62	7.08	7.54	8.00	8.46	8.91	9.36	9.81	10.3
1600	3.59	4.13	4.68	5.21	5.75	6.28	6.81	7.33	7.85	8.36	8.88	9.38	9.89	10.4	10.9	11.4
1800	3.88	4.48	5.08	5.68	6.27	6.85	7.43	8.00	8.57	9.14	9.69	10.2	10.8	11.3	11.9	12.4
2000	4.15	4.81	5.46	6.11	6.75	7.38	8.01	8.63	9.25	9.86	10.5	11.1	11.6	12.2	12.8	13.4
2200	4.40	5.11	5.81	6.51	7.20	7.88	8.55	9.22	9.88	10.5	11.2	11.8	12.4	13.1	13.7	14.3
2400	4.62	5.38	6.14	6.88	7.62	8.34	9.06	9.77	10.5	11.2	11.8	12.5	13.2	13.8	14.4	15.1
2600	4.82	5.63	6.43	7.22	8.00	8.77	9.52	10.3	11.0	11.7	12.4	13.1	13.8	14.5	15.1	15.8
2800	5.00	5.86	6.70	7.53	8.35	9.15	9.94	10.7	11.5	12.2	13.0	13.7	14.4	15.1	15.7	16.4
3000	5.16	6.06	6.94	7.81	8.66	9.50	10.3	11.1	11.9	12.7	13.4	14.2	14.9	15.6	16.3	16.9
3200	5.30	6.23	7.15	8.05	8.94	9.80	10.6	11.5	12.3	13.1	13.8	14.6	15.3	16.0	16.7	17.4
3400	5.41	6.38	7.33	8.26	9.18	10.1	10.9	11.8	12.6	13.4	14.2	14.9	15.7	16.4	17.0	17.7
3600	5.49	6.50	7.48	8.44	9.37	10.3	11.2	12.0	12.9	13.7	14.4	15.2	15.9	16.6	17.3	17.9
3800	5.55	6.59	7.60	8.58	9.53	10.5	11.4	12.2	13.1	13.9	14.6	15.4	16.1	16.8	17.4	18.0*
4000	5.59	6.65	7.68	8.68	9.65	10.6	11.5	12.4	13.2	14.0	14.7	15.5	16.2	16.8*	17.4*	18.0*
4200	5.60	6.68	7.73	8.74	9.72	10.7	11.6	12.4	13.3	14.0	14.8	15.5	16.1*	16.7*	17.3*	17.8*
4400	5.58	6.68	7.74	8.77	9.75	10.7	11.6	12.4	13.3	14.0	14.7*	15.4*	16.0*	16.6*	17.1*	17.5*
4600	5.53	6.65	7.72	8.75	9.74	10.7	11.6	12.4	13.2	13.9*	14.6*	15.2*	15.8*	16.3*	16.7*	17.1*
4800	5.46	6.58	7.66	8.69	9.67	10.6	11.5	12.3	13.0*	13.7*	14.4*	14.9*	15.4*	15.9*	16.2*	16.5*
5000	5.35	6.49	7.57	8.59	9.56	10.5	11.3	12.1*	12.8*	13.5*	14.0*	14.5*	15.0*	15.3*	15.6*	15.8*

* Made-to-order ductile iron sheaves required.

HORSEPOWER RATINGS for BX BELTS



An Altra Industrial Motion Company

The combined Arc-Length correction factor shown in the Classical pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page B2–25, should be applied to the total hp per belt before determining the number of belts required for the drive.

NOTE: These ratings apply for the Classical Cog type belts only.

BASIC HORSEPOWER RATING PER BELT							"ADD-ON" RATING									
SMALL SHEAVE DIAMETER							SPEED RATIO									
6.60	6.80	7.00	7.40	8.00	8.60	9.40	1.00	1.02	1.06	1.10	1.15	1.20	1.30	1.50	2.00	
7.01	7.21	7.41	7.81	8.41	9.01	9.81	1.01	1.05	1.09	1.14	1.19	1.29	1.49	1.99	9.99	
9.20	9.58	9.96	10.7	11.8	12.9	14.3	0.01	0.09	0.18	0.26	0.33	0.40	0.49	0.56	0.61	
11.1	11.5	12.0	12.8	14.1	15.4	17.1	0.02	0.12	0.23	0.32	0.41	0.50	0.61	0.71	0.77	
12.7	13.2	13.7	14.7	16.2	17.6	19.4	0.02	0.14	0.27	0.39	0.49	0.60	0.73	0.85	0.92	
17.3	17.9	18.6	19.7	21.3	22.7*	24.2*	0.04	0.23	0.45	0.65	0.81	1.00	1.21	1.40	1.52	
18.4	19.0*	19.5*	20.5*	21.8*	22.7*	23.4*	0.04	0.28	0.54	0.78	0.98	1.20	1.47	1.69	1.84	
3.72	3.87	4.01	4.31	4.76	5.20	5.78	0.00	0.03	0.06	0.09	0.11	0.14	0.17	0.19	0.21	
4.51	4.70	4.88	5.24	5.78	6.32	7.03	0.01	0.04	0.08	0.11	0.14	0.17	0.21	0.24	0.26	
5.28	5.50	5.71	6.14	6.78	7.41	8.24	0.01	0.05	0.09	0.13	0.17	0.21	0.25	0.29	0.32	
6.76	7.03	7.31	7.86	8.67	9.48	10.5	0.01	0.06	0.12	0.18	0.22	0.28	0.33	0.39	0.42	
8.15	8.48	8.81	9.48	10.5	11.4	12.7	0.01	0.08	0.16	0.22	0.28	0.34	0.42	0.48	0.53	
9.46	9.85	10.2	11.0	12.1	13.2	14.7	0.01	0.10	0.19	0.27	0.34	0.41	0.50	0.58	0.63	
10.7	11.1	11.6	12.4	13.7	14.9	16.5	0.02	0.11	0.22	0.31	0.39	0.48	0.59	0.68	0.74	
11.9	12.3	12.8	13.8	15.2	16.5	18.2	0.02	0.13	0.25	0.36	0.45	0.55	0.67	0.77	0.84	
12.9	13.5	14.0	15.0	16.5	17.9	19.7	0.02	0.14	0.28	0.40	0.51	0.62	0.75	0.87	0.95	
13.9	14.5	15.0	16.1	17.7	19.2	21.1	0.02	0.16	0.31	0.44	0.56	0.69	0.84	0.97	1.05	
14.9	15.4	16.0	17.1	18.8	20.3	22.2	0.03	0.18	0.34	0.49	0.62	0.76	0.92	1.07	1.16	
15.7	16.3	16.9	18.0	19.7	21.2	23.1	0.03	0.19	0.37	0.53	0.67	0.83	1.00	1.16	1.26	
16.4	17.0	17.6	18.8	20.4	21.9	23.7*	0.03	0.21	0.40	0.58	0.73	0.89	1.09	1.26	1.37	
17.0	17.7	18.3	19.4	21.1	22.5*	24.1*	0.03	0.22	0.43	0.62	0.79	0.96	1.17	1.36	1.47	
17.6	18.2	18.8	19.9	21.5*	22.8*	24.3*	0.04	0.24	0.47	0.67	0.84	1.03	1.26	1.45	1.58	
18.0	18.6	19.2	20.3	21.7*	22.9*	24.1*	0.04	0.26	0.50	0.71	0.90	1.10	1.34	1.55	1.68	
18.3	18.9	19.5	20.5*	21.8*	22.8*	23.7*	0.04	0.27	0.53	0.76	0.95	1.17	1.42	1.65	1.79	
18.5*	19.0*	19.6*	20.5*	21.7*	22.5*	23.0*	0.04	0.29	0.56	0.80	1.01	1.24	1.51	1.74	1.89	
18.5*	19.1*	19.5*	20.4*	21.3*	21.9*	21.9*	0.05	0.30	0.59	0.85	1.07	1.31	1.59	1.84	2.00	
18.5*	18.9*	19.4*	20.1*	20.8*	21.0*	--	0.05	0.32	0.62	0.89	1.12	1.38	1.67	1.94	2.10	
18.3*	18.7*	19.0*	19.6*	20.0*	19.8*	--	0.05	0.34	0.65	0.93	1.18	1.44	1.76	2.03	2.21	
17.9*	18.2*	18.5*	18.9*	18.9*	--	--	0.05	0.35	0.68	0.98	1.23	1.51	1.84	2.13	2.31	
17.4*	17.6*	17.8*	18.0*	--	--	--	0.06	0.37	0.71	1.02	1.29	1.58	1.93	2.23	2.42	
16.7*	16.9*	17.0*	16.9*	--	--	--	0.06	0.38	0.74	1.07	1.35	1.65	2.01	2.32	2.52	
15.9*	16.0*	15.9*	--	--	--	--	0.06	0.40	0.78	1.11	1.40	1.72	2.09	2.42	2.63	

Classical horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the rpm of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

Datum Pitch	BASIC HORSEPOWER RATING PER BELT									
	SMALL SHEAVE OUTSIDE DIAMETER									
	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	12.00
	7.40	7.90	8.40	8.90	9.40	9.90	10.40	10.90	11.40	12.40
	◆	◆	◆	◆						
870	7.98	9.16	10.3	11.5	12.6	13.7	14.9	15.9	17.0	19.1
960	8.55	9.83	11.1	12.3	13.6	14.8	16.0	17.1	18.3	20.5
1160	9.69	11.2	12.6	14.1	15.5	16.8	18.2	19.5	20.8	23.3
1460	11.1	12.8	14.5	16.2	17.8	19.3	20.8	22.3	23.7	26.3
1750	12.1	14.0	15.8	17.6	19.3	20.9	22.5	24.0	25.3	27.9
200	2.51	2.84	3.16	3.48	3.80	4.12	4.43	4.75	5.06	5.68
300	3.50	3.97	4.44	4.90	5.36	5.81	6.27	6.72	7.17	8.06
400	4.41	5.02	5.62	6.22	6.81	7.40	7.99	8.57	9.15	10.3
500	5.26	6.00	6.73	7.46	8.18	8.89	9.60	10.3	11.0	12.4
600	6.06	6.92	7.78	8.63	9.47	10.3	11.1	12.0	12.8	14.4
700	6.81	7.79	8.77	9.74	10.7	11.6	12.6	13.5	14.4	16.2
800	7.51	8.61	9.70	10.8	11.8	12.9	13.9	15.0	16.0	18.0
900	8.17	9.38	10.6	11.8	12.9	14.1	15.2	16.4	17.5	19.6
1000	8.79	10.1	11.4	12.7	14.0	15.2	16.4	17.6	18.8	21.1
1100	9.37	10.8	12.2	13.6	14.9	16.2	17.5	18.8	20.1	22.5
1200	9.90	11.4	12.9	14.4	15.8	17.2	18.6	19.9	21.2	23.8
1300	10.4	12.0	13.6	15.1	16.6	18.1	19.5	20.9	22.3	24.9
1400	10.8	12.5	14.2	15.8	17.3	18.9	20.3	21.8	23.2	25.8
1500	11.3	13.0	14.7	16.4	18.0	19.6	21.1	22.6	24.0	26.6
1600	11.6	13.4	15.2	16.9	18.6	20.2	21.7	23.2	24.6	27.2
1700	11.9	13.8	15.7	17.4	19.1	20.7	22.3	23.7	25.1	27.7
1800	12.2	14.2	16.0	17.8	19.5	21.1	22.7	24.1	25.5	28.0
1900	12.4	14.4	16.3	18.1	19.8	21.5	23.0	24.4	25.7	28.1
2000	12.6	14.6	16.6	18.4	20.1	21.7	23.2	24.6	25.8	28.0
2200	12.8	14.9	16.8	18.6	20.3	21.8	23.2	24.4	25.5*	27.1*
2400	12.8	14.9	16.8	18.5	20.1	21.4	22.6	23.6*	24.5*	25.4*
2600	12.6	14.6	16.4	18.0	19.4	20.6*	21.5*	22.2*	22.7*	22.8*
2800	12.1	14.0	15.7	17.1	18.3*	19.2*	19.8*	20.1*	20.1*	19.1*
3000	11.4	13.1	14.6*	15.8*	16.7*	17.2*	17.4*	17.2*	16.6*	14.3*
3200	10.4	12.0*	13.2*	14.1*	14.5*	14.6*	14.3*	13.5*	12.3*	--

◆ Diameter below industry standards.

* Made-to-order ductile iron sheaves required.

HORSEPOWER RATINGS for CP BELTS



An Altra Industrial Motion Company

The combined Arc-Length correction factor shown in the Classical pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page B2–25, should be applied to the total hp per belt before determining the number of belts required for the drive.

NOTE: These ratings apply for the Classical type belts only.

BASIC HORSEPOWER RATING PER BELT						"ADD-ON" RATING								
SMALL SHEAVE DIAMETER						SPEED RATIO								
13.00	14.00	16.00	18.00	20.00	24.00	1.00	1.02	1.06	1.10	1.15	1.20	1.30	1.50	2.00
13.40	14.40	16.40	18.40	20.40	24.40	1.01	1.05	1.09	1.14	1.19	1.29	1.49	1.99	9.99
21.2	23.2	27.0	30.5	33.8	39.3	0.02	0.15	0.29	0.42	0.53	0.66	0.82	0.96	1.07
22.7	24.8	28.8	32.4	35.6	40.8	0.03	0.17	0.32	0.46	0.59	0.73	0.90	1.06	1.18
25.6	27.9	32.0	35.5	38.3	41.9*	0.03	0.20	0.39	0.56	0.71	0.88	1.09	1.28	1.42
28.7	30.9	34.5	37.0*	38.3*	36.8*	0.04	0.25	0.49	0.71	0.90	1.11	1.37	1.61	1.79
30.0	31.8*	34.0*	34.4*	32.8*	--	0.05	0.30	0.59	0.85	1.07	1.33	1.64	1.94	2.15
6.30	6.91	8.12	9.31	10.5	12.8	0.01	0.03	0.07	0.10	0.12	0.15	0.19	0.22	0.25
8.95	9.82	11.5	13.2	14.9	18.2	0.01	0.05	0.10	0.14	0.18	0.23	0.28	0.33	0.37
11.4	12.5	14.8	16.9	19.0	23.1	0.01	0.07	0.13	0.19	0.25	0.30	0.38	0.44	0.49
13.8	15.1	17.7	20.3	22.8	27.5	0.01	0.09	0.17	0.24	0.31	0.38	0.47	0.55	0.61
16.0	17.5	20.5	23.5	26.2	31.5	0.02	0.10	0.20	0.29	0.37	0.46	0.56	0.66	0.74
18.0	19.8	23.1	26.3	29.4	34.9	0.02	0.12	0.23	0.34	0.43	0.53	0.66	0.77	0.86
19.9	21.8	25.5	28.9	32.1	37.7	0.02	0.14	0.27	0.39	0.49	0.61	0.75	0.88	0.98
21.7	23.8	27.6	31.2	34.4	39.9	0.02	0.15	0.30	0.43	0.55	0.68	0.84	1.00	1.10
23.4	25.5	29.5	33.1	36.3	41.3	0.03	0.17	0.33	0.48	0.61	0.76	0.94	1.11	1.23
24.8	27.0	31.1	34.7	37.7	41.9*	0.03	0.19	0.37	0.53	0.68	0.84	1.03	1.22	1.35
26.1	28.4	32.5	35.9	38.6	41.8*	0.03	0.21	0.40	0.58	0.74	0.91	1.13	1.33	1.47
27.3	29.5	33.5	36.7	39.0*	40.7*	0.03	0.22	0.44	0.63	0.80	0.99	1.22	1.44	1.60
28.2	30.5	34.2	37.0*	38.8*	38.6*	0.04	0.24	0.47	0.68	0.86	1.06	1.31	1.55	1.72
29.0	31.2	34.6	36.9*	37.9*	35.5*	0.04	0.26	0.50	0.72	0.92	1.14	1.41	1.66	1.84
29.6	31.6	34.7*	36.3*	36.4*	--	0.04	0.28	0.54	0.77	0.98	1.22	1.50	1.77	1.96
29.9	31.8	34.3*	35.2*	34.2*	--	0.04	0.29	0.57	0.82	1.04	1.29	1.60	1.88	2.09
30.0	31.7*	33.6*	33.5*	31.2*	--	0.05	0.31	0.60	0.87	1.10	1.37	1.69	1.99	2.21
29.9*	31.3*	32.5*	31.3*	--	--	0.05	0.33	0.64	0.92	1.17	1.44	1.78	2.10	2.33
29.6*	30.6*	30.9*	28.4*	--	--	0.05	0.34	0.67	0.97	1.23	1.52	1.88	2.21	2.46
28.1*	28.3*	26.3*	--	--	--	0.06	0.38	0.74	1.06	1.35	1.67	2.06	2.43	2.70
25.5*	24.7*	--	--	--	--	0.06	0.41	0.80	1.16	1.47	1.82	2.25	2.65	2.95
21.8*	19.5*	--	--	--	--	0.07	0.45	0.87	1.26	1.60	1.98	2.44	2.88	3.19
16.7*	--	--	--	--	--	0.07	0.48	0.94	1.35	1.72	2.13	2.63	3.10	3.44
--	--	--	--	--	--	0.08	0.52	1.00	1.45	1.84	2.28	2.81	3.32	3.68
--	--	--	--	--	--	0.08	0.55	1.07	1.55	1.96	2.43	3.00	3.54	3.93

Classical Cog horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the rpm of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

		BASIC HORSEPOWER RATING PER BELT									
		SMALL SHEAVE DIAMETER									
Datum		7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	12.00
Pitch		7.40	7.90	8.40	8.90	9.40	9.90	10.40	10.90	11.40	12.40
870		10.2	11.4	12.6	13.7	14.9	16.1	17.2	18.3	19.5	21.7
960		11.0	12.3	13.6	14.9	16.1	17.4	18.6	19.8	21.0	23.4
1160		12.7	14.2	15.7	17.2	18.6	20.1	21.5	22.9	24.2	26.9
1460		15.0	16.8	18.5	20.3	22.0	23.6	25.2	26.8	28.3	31.2
1750		16.9	18.9	20.9	22.8	24.6	26.4	28.1	29.8	31.4	34.3
200		2.97	3.29	3.62	3.94	4.26	4.58	4.90	5.22	5.53	6.16
300		4.20	4.67	5.14	5.61	6.07	6.53	6.99	7.45	7.90	8.80
400		5.36	5.97	6.58	7.18	7.78	8.38	8.97	9.56	10.1	11.3
500		6.46	7.21	7.95	8.69	9.42	10.1	10.9	11.6	12.3	13.7
600		7.52	8.39	9.26	10.1	11.0	11.8	12.7	13.5	14.3	16.0
700		8.53	9.53	10.5	11.5	12.5	13.5	14.4	15.4	16.3	18.2
800		9.50	10.6	11.7	12.8	13.9	15.0	16.1	17.1	18.2	20.3
900		10.4	11.7	12.9	14.1	15.3	16.5	17.7	18.8	20.0	22.2
1000		11.3	12.7	14.0	15.3	16.6	17.9	19.2	20.5	21.7	24.1
1100		12.2	13.6	15.1	16.5	17.9	19.3	20.6	22.0	23.3	25.9
1200		13.0	14.6	16.1	17.6	19.1	20.6	22.0	23.4	24.8	27.5
1300		13.8	15.4	17.1	18.7	20.3	21.8	23.3	24.8	26.3	29.1
1400		14.5	16.3	18.0	19.7	21.3	23.0	24.5	26.1	27.6	30.5
1500		15.2	17.1	18.9	20.6	22.4	24.0	25.7	27.3	28.8	31.7
1600		15.9	17.8	19.7	21.5	23.3	25.0	26.7	28.3	29.9	32.9
1700		16.6	18.5	20.5	22.4	24.2	26.0	27.7	29.3	30.9	33.9
1800		17.2	19.2	21.2	23.1	25.0	26.8	28.5	30.2	31.8	34.7
1900		17.7	19.8	21.9	23.9	25.8	27.6	29.3	31.0	32.5	35.4
2000		18.2	20.4	22.5	24.5	26.4	28.2	30.0	31.6	33.2	36.0
2200		19.1	21.4	23.5	25.6	27.5	29.3	31.0	32.6	34.0*	36.5*
2400		19.9	22.2	24.3	26.4	28.3	30.0	31.6	33.0*	34.3*	36.3*
2600		20.4	22.7	24.9	26.8	28.6	30.3*	31.7*	33.0*	34.0*	35.4*
2800		20.7	23.0	25.1	27.0	28.7*	30.1*	31.3*	32.3*	33.0*	33.6*
3000		20.9	23.1	25.1*	26.8*	28.3*	29.5*	30.4*	31.0*	31.3*	30.9*
3200		20.8	22.9*	24.7*	26.2*	27.4*	28.3*	28.9*	29.1*	28.9*	—

* Made-to-order ductile iron sheaves required.

HORSEPOWER RATINGS for CX BELTS



An Altra Industrial Motion Company

The combined Arc-Length correction factor shown in the Classical pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page B2-25, should be applied to the total hp per belt before determining the number of belts required for the drive.

NOTE: These ratings apply for the Classical Cog type belts only.

BASIC HORSEPOWER RATING PER BELT						"ADD-ON" RATING								
SMALL SHEAVE DIAMETER						SPEED RATIO								
13.00	14.00	16.00	18.00	20.00	24.00	1.00	1.02	1.06	1.10	1.15	1.20	1.30	1.50	2.00
13.40	14.40	16.40	18.40	20.40	24.40	1.01	1.05	1.09	1.14	1.19	1.29	1.49	1.99	9.99
23.8	25.9	29.9	33.7	37.3	43.6	0.02	0.16	0.31	0.44	0.55	0.68	0.83	0.96	1.04
25.7	27.9	32.1	36.1	39.7	46.0	0.03	0.17	0.34	0.49	0.61	0.75	0.91	1.06	1.15
29.4	31.9	36.4	40.5	44.0	49.3*	0.03	0.21	0.41	0.59	0.74	0.91	1.10	1.28	1.39
34.0	36.5	41.0	44.5*	47.1*	48.9*	0.04	0.27	0.51	0.74	0.93	1.14	1.39	1.61	1.74
37.0	39.3*	43.0*	45.1*	45.5*	—	0.05	0.32	0.62	0.88	1.12	1.37	1.66	1.92	2.09
6.78	7.40	8.62	9.82	11.0	13.4	0.01	0.04	0.07	0.10	0.13	0.16	0.19	0.22	0.24
9.70	10.6	12.3	14.1	15.8	19.1	0.01	0.05	0.11	0.15	0.19	0.23	0.29	0.33	0.36
12.5	13.6	15.9	18.1	20.2	24.4	0.01	0.07	0.14	0.20	0.26	0.31	0.38	0.44	0.48
15.1	16.5	19.2	21.8	24.4	29.3	0.01	0.09	0.18	0.25	0.32	0.39	0.48	0.55	0.60
17.6	19.2	22.3	25.4	28.3	33.8	0.02	0.11	0.21	0.30	0.38	0.47	0.57	0.66	0.72
20.0	21.8	25.3	28.7	31.9	37.9	0.02	0.13	0.25	0.35	0.45	0.55	0.67	0.77	0.84
22.3	24.3	28.1	31.7	35.2	41.4	0.02	0.15	0.28	0.40	0.51	0.63	0.76	0.88	0.96
24.4	26.6	30.7	34.5	38.1	44.4	0.03	0.16	0.32	0.45	0.57	0.70	0.86	0.99	1.07
26.5	28.7	33.1	37.1	40.7	46.8	0.03	0.18	0.35	0.51	0.64	0.78	0.95	1.10	1.19
28.4	30.7	35.2	39.3	42.9	48.6*	0.03	0.20	0.39	0.56	0.70	0.86	1.05	1.21	1.31
30.1	32.6	37.2	41.2	44.7	49.7*	0.03	0.22	0.42	0.61	0.77	0.94	1.14	1.32	1.43
31.7	34.2	38.8	42.8	46.0*	50.0*	0.04	0.24	0.46	0.66	0.83	1.02	1.24	1.43	1.55
33.2	35.7	40.3	44.0*	46.8*	49.5*	0.04	0.25	0.49	0.71	0.89	1.09	1.33	1.54	1.67
34.5	37.0	41.4	44.8*	47.2*	48.2*	0.04	0.27	0.53	0.76	0.96	1.17	1.43	1.65	1.79
35.6	38.1	42.3*	45.2*	46.9*	—	0.05	0.29	0.56	0.81	1.02	1.25	1.52	1.76	1.91
36.6	39.0	42.8*	45.2*	46.2*	—	0.05	0.31	0.60	0.86	1.08	1.33	1.62	1.87	2.03
37.3	39.6*	43.0*	44.8*	44.8*	—	0.05	0.33	0.63	0.91	1.15	1.41	1.71	1.98	2.15
37.9*	40.0*	42.9*	43.9*	—	—	0.05	0.35	0.67	0.96	1.21	1.49	1.81	2.09	2.27
38.3*	40.2*	42.4*	42.5*	—	—	0.06	0.36	0.71	1.01	1.28	1.56	1.90	2.20	2.39
38.4*	39.7*	40.3*	—	—	—	0.06	0.40	0.78	1.11	1.40	1.72	2.09	2.42	2.63
37.6*	38.2*	—	—	—	—	0.07	0.44	0.85	1.21	1.53	1.88	2.28	2.64	2.87
35.9*	35.4*	—	—	—	—	0.07	0.47	0.92	1.31	1.66	2.03	2.47	2.86	3.10
33.1*	—	—	—	—	—	0.08	0.51	0.99	1.42	1.79	2.19	2.66	3.08	3.34
—	—	—	—	—	—	0.08	0.55	1.06	1.52	1.91	2.34	2.85	3.30	3.58
—	—	—	—	—	—	0.09	0.58	1.13	1.62	2.04	2.50	3.04	3.52	3.82

Classical horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the rpm of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

Datum Pitch	SMALL SHEAVE DIAMETER									
	12.00 12.60 ◆	13.00 13.60	13.50 14.10	14.00 14.60	14.50 15.10	15.00 15.60	15.50 16.10	16.00 16.60	17.00 17.60	18.00 18.60
870	24.6	28.4	30.3	32.1	33.9	35.7	37.4	39.2	42.5	45.7
960	26.0	30.0	32.0	33.9	35.8	37.7	39.5	41.3	44.7	47.9
1160	28.4	32.8	34.9	37.0	38.9	40.8	42.7	44.5	47.8	50.8
1460	30.0	34.4	36.5	38.4	40.2	41.9	43.4	44.8	47.3*	49.2*
1750	28.8	32.6	34.2	35.7*	36.9*	37.9*	38.8*	39.4*	39.9*	39.5*
200	8.01	9.16	9.73	10.3	10.9	11.4	12.0	12.6	13.7	14.8
250	9.63	11.0	11.7	12.4	13.1	13.8	14.5	15.2	16.5	17.9
300	11.2	12.8	13.6	14.5	15.3	16.1	16.9	17.7	19.3	20.8
350	12.7	14.5	15.5	16.4	17.3	18.3	19.2	20.1	21.9	23.7
400	14.1	16.2	17.2	18.3	19.3	20.3	21.4	22.4	24.4	26.4
450	15.4	17.8	18.9	20.1	21.2	22.3	23.5	24.6	26.8	29.0
500	16.7	19.3	20.5	21.8	23.0	24.3	25.5	26.7	29.1	31.5
600	19.1	22.1	23.5	25.0	26.4	27.8	29.2	30.6	33.4	36.1
700	21.3	24.6	26.3	27.9	29.5	31.1	32.6	34.2	37.2	40.1
800	23.3	26.9	28.7	30.5	32.2	33.9	35.6	37.3	40.5	43.6
900	25.1	29.0	30.9	32.7	34.6	36.4	38.2	39.9	43.3	46.5
1000	26.6	30.7	32.7	34.7	36.6	38.5	40.3	42.1	45.5	48.7
1100	27.8	32.1	34.2	36.2	38.2	40.1	41.9	43.7	47.1	50.3
1200	28.8	33.2	35.3	37.4	39.3	41.2	43.1	44.8	48.1	51.1
1300	29.5	34.0	36.1	38.1	40.1	41.9	43.7	45.3	48.4	51.0
1400	29.9	34.4	36.4	38.4	40.3	42.1	43.7	45.2	47.9	50.2*
1500	30.0	34.4	36.4	38.3	40.0	41.6	43.1	44.5	46.7*	48.4*
1600	29.8	34.0	35.9	37.6	39.2	40.6	41.9*	43.0*	44.6*	45.6*
1700	29.2	33.2	34.9	36.4	37.8*	39.0*	40.0*	40.8*	41.7*	41.8*
1800	28.3	31.9	33.4*	34.7*	35.8*	36.7*	37.3*	37.8*	37.8*	36.9*

◆ Diameter below industry standards.

* Made-to-order ductile iron sheaves required.

HORSEPOWER RATINGS for DP & DX BELTS



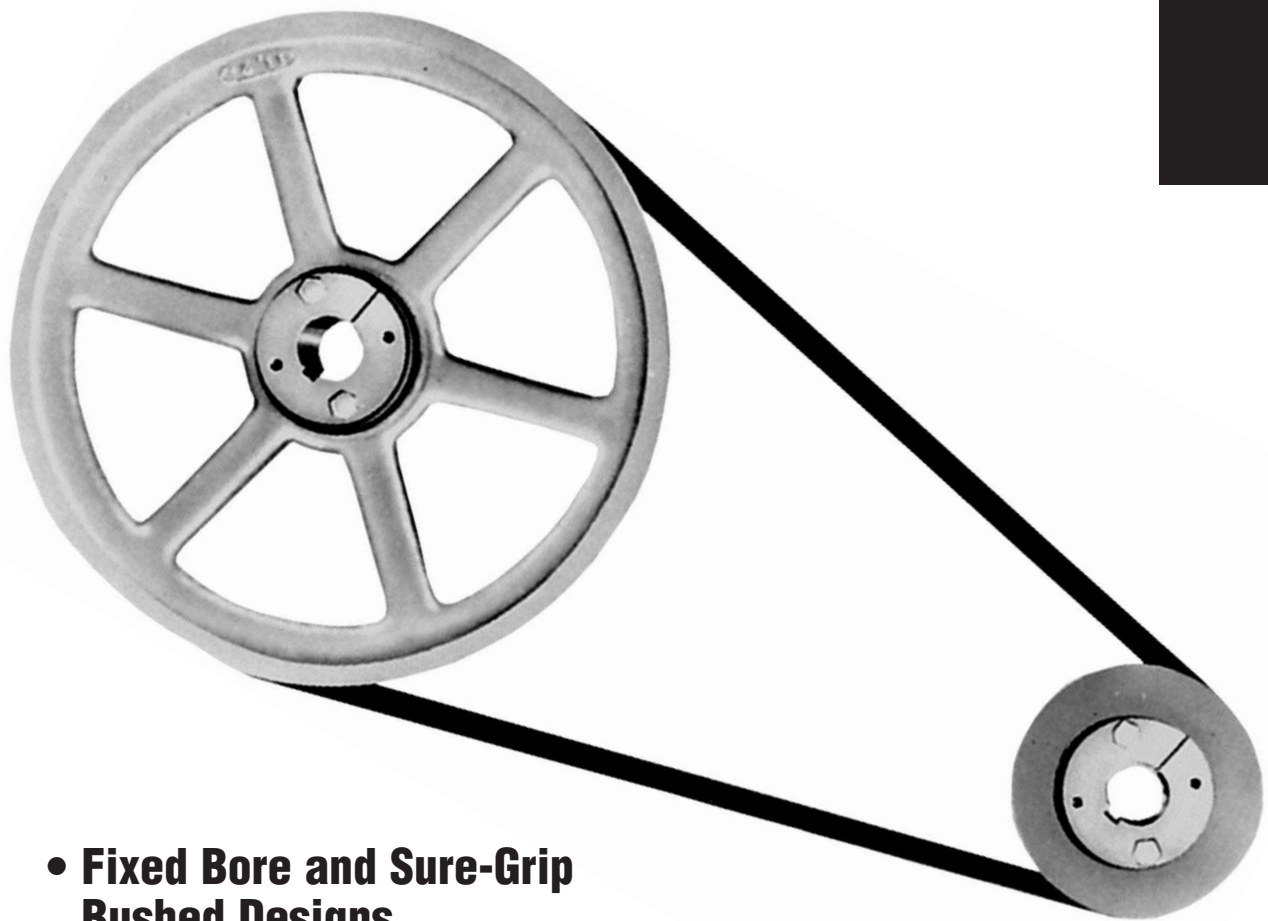
An Altra Industrial Motion Company

The combined Arc-Length correction factor shown in the Classical pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page B2–25, should be applied to the total hp per belt before determining the number of belts required for the drive.

BASIC HORSEPOWER RATING PER BELT					“ADD-ON” RATING									
SMALL SHEAVE DIAMETER					SPEED RATIO									
20.00	22.00	24.00	27.00	33.00	1.00	1.02	1.06	1.10	1.15	1.20	1.30	1.50	2.00	
20.60	22.60	24.60	27.80	33.60	1.01	1.05	1.09	1.14	1.19	1.29	1.49	1.99	9.99	
51.7	57.1	61.8	67.6	74.1*	0.08	0.55	1.07	1.54	1.96	2.43	3.00	3.54	3.92	
53.9	59.0	63.3	68.1*	70.7*	0.09	0.61	1.18	1.70	2.17	2.68	3.31	3.90	4.33	
56.0	59.8*	62.2*	62.9*	—	0.11	0.73	1.43	2.06	2.62	3.24	4.00	4.72	5.23	
51.2*	50.6*	47.3*	—	—	0.14	0.92	1.80	2.59	3.29	4.08	5.03	5.93	6.59	
35.7*	—	—	—	—	0.17	1.11	2.15	3.11	3.95	4.89	6.03	7.11	7.89	
17.0	19.1	21.3	24.5	30.7	0.02	0.13	0.25	0.36	0.45	0.56	0.69	0.81	0.90	
20.6	23.2	25.8	29.6	37.0	0.02	0.16	0.31	0.44	0.56	0.70	0.86	1.02	1.13	
24.0	27.0	30.0	34.5	43.0	0.03	0.19	0.37	0.53	0.68	0.84	1.03	1.22	1.35	
27.2	30.7	34.1	39.1	48.5	0.03	0.22	0.43	0.62	0.79	0.98	1.21	1.42	1.58	
30.3	34.2	37.9	43.4	53.7	0.04	0.25	0.49	0.71	0.90	1.12	1.38	1.63	1.80	
33.3	37.5	41.6	47.4	58.3	0.04	0.28	0.55	0.80	1.02	1.26	1.55	1.83	2.03	
36.1	40.6	45.0	51.2	62.5	0.05	0.32	0.62	0.89	1.13	1.40	1.72	2.03	2.26	
41.3	46.3	51.0	57.7	69.1	0.06	0.38	0.74	1.07	1.35	1.68	2.07	2.44	2.71	
45.8	51.1	56.0	62.8	73.4	0.07	0.44	0.86	1.24	1.58	1.95	2.41	2.85	3.16	
49.5	55.0	59.9	66.2	74.8*	0.08	0.51	0.98	1.42	1.80	2.23	2.76	3.25	3.61	
52.5	57.8	62.4	68.0	73.3*	0.09	0.57	1.11	1.60	2.03	2.51	3.10	3.66	4.06	
54.6	59.6	63.6	67.8*	68.3*	0.10	0.63	1.23	1.78	2.26	2.79	3.45	4.06	4.51	
55.8	60.1	63.2*	65.4*	59.6*	0.11	0.69	1.35	1.95	2.48	3.07	3.79	4.47	4.96	
56.0	59.4*	61.2*	60.8*	—	0.12	0.76	1.48	2.13	2.71	3.35	4.14	4.88	5.41	
55.1*	57.2*	57.4*	53.6*	—	0.13	0.82	1.60	2.31	2.93	3.63	4.48	5.28	5.86	
53.0*	53.6*	51.7*	—	—	0.14	0.88	1.72	2.49	3.16	3.91	4.83	5.69	6.32	
49.7*	48.3*	43.9*	—	—	0.15	0.95	1.85	2.66	3.38	4.19	5.17	6.10	6.77	
45.1*	41.4*	—	—	—	0.16	1.01	1.97	2.84	3.61	4.47	5.52	6.50	7.22	
39.2*	—	—	—	—	0.17	1.07	2.09	3.02	3.83	4.75	5.86	6.91	7.67	
31.8*	—	—	—	—	0.17	1.14	2.21	3.20	4.06	5.03	6.21	7.32	8.12	

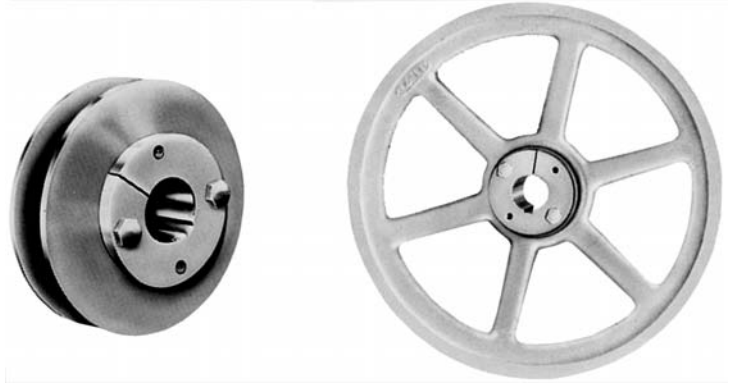
Light-Duty (FHP) V-Belt Drives

B3



- **Fixed Bore and Sure-Grip Bushed Designs**
- **Cast Iron Sheaves**
- **Light-Duty V-Belts**

- **CAPACITIES TO 15 HP**
- **BORE SIZES FROM 1/2 TO 1-1/2 INCHES**
- **EASY-MOUNT SURE-GRIP QUICK-DETACHABLE BUSHINGS**
- **EFFICIENT, ECONOMICAL, LIGHTWEIGHT**



Light-duty sheaves are available in two types, both with one and two grooves. "A" sheaves are made to accommodate A (4L) belts; "B" sheaves are made for A (4L) or B (5L) belts. The two lines of sheaves have identical pitch diameters when using A or 4L belts.

Wood's light-duty sheaves can be equipped with Wood's "QT" Sure-Grip QD-type bushings. This quick-detachable tapered bushing is split through flange and tapered surface to provide a true clamp that is comparable to a shrink fit.

Sure-Grip bushings are easy to install and remove. The flange has two drilled and two tapped holes for easy assembly with two capscrews. Bore range is 1/2 through 1-1/2 in.

QT BUSHED SHEAVES FOR "A" BELTS

DATUM DIA.		O.D. ◆	Product No.	Single-Groove					Product No.	Two-Groove						
3L (O)	4L (A)			Type	DIMENSIONS					Wt. Lbs.	Type	DIMENSIONS				Wt. Lbs.
				E	F	L	M			E	F	L	M			
2.46	2.80	3.05	AK30	E1	3/8	3/4	1-1/4	7/8	1.7	2AK30	E1	1	1-3/8	1-1/4	7/8	2.0
2.66	3.00	3.25	AK32	E1	3/8	3/4	1-1/4	7/8	1.8	2AK32	E1	1	1-3/8	1-1/4	7/8	2.3
2.86	3.20	3.45	AK34	E1	1/16	3/4	1-1/4	9/16	1.8	2AK34	E1	9/16	1-3/8	1-1/4	7/16	2.4
3.16	3.50	3.75	AK39	E1	1/16	3/4	1-1/4	9/16	2.0	2AK39	E1	9/16	1-3/8	1-1/4	7/16	2.4
3.36	3.70	3.95	AK41	E1	1/16	3/4	1-1/4	9/16	2.2	2AK41	A2	1/16	1-3/8	1-1/4	1/16	2.5
3.66	4.00	4.25	AK44	E1	1/16	3/4	1-1/4	9/16	2.5	2AK44	A2	1/16	1-3/8	1-1/4	1/16	3.0
3.86	4.20	4.45	AK46	C2	1/16	3/4	1-1/4	9/16	2.5	2AK46	A2	1/16	1-3/8	1-1/4	1/16	3.1
4.16	4.50	4.75	AK49	C2	1/16	3/4	1-1/4	9/16	2.7	2AK49	A2	1/16	1-3/8	1-1/4	1/16	3.7
4.36	4.70	4.95	AK51	C2	1/16	3/4	1-1/4	9/16	2.9	2AK51	A2	1/16	1-3/8	1-1/4	1/16	3.8
4.66	5.00	5.25	AK54	C2	1/16	3/4	1-1/4	9/16	2.6	2AK54	A2	1/16	1-3/8	1-1/4	1/16	4.0
4.86	5.20	5.45	AK56	C2	1/16	3/4	1-1/4	9/16	2.9	2AK56	A2	1/16	1-3/8	1-1/4	1/16	4.2
5.16	5.50	5.75	AK59	C2	1/16	3/4	1-1/4	9/16	3.0	2AK59	D3	1/16	1-3/8	1-1/4	1/16	4.0
5.36	5.70	5.95	AK61	D3	1/16	3/4	1-1/4	9/16	3.1	2AK61	D3	1/16	1-3/8	1-1/4	1/16	3.9
5.66	6.00	6.25	AK64	D3	1/16	3/4	1-1/4	9/16	3.3	2AK64	D3	1/16	1-3/8	1-1/4	1/16	4.5
5.86	6.20	6.45	AK66	D3	1/16	3/4	1-1/4	9/16	3.4	...	...	...	...	...	...	...
6.16	6.50	6.75	AK69	D3	1/16	3/4	1-1/4	9/16	3.8	...	...	...	...	...	...	...
6.36	6.70	6.95	AK71	D3	1/16	3/4	1-1/4	9/16	3.7	...	...	...	...	...	...	...
6.66	7.00	7.25	AK74	D3	1/16	3/4	1-1/4	9/16	3.9	2AK74	D3	1/16	1-3/8	1-1/4	1/16	5.5
7.16	7.50	7.75	AK79	D3	1/16	3/4	1-1/4	9/16	4.1	...	...	...	...	...	...	...
7.66	8.00	8.25	AK84	D3	1/16	3/4	1-1/4	9/16	4.2	2AK84	D3	1/16	1-3/8	1-1/4	1/16	5.4
8.16	8.50	8.75	AK89	D3	1/16	3/4	1-1/4	9/16	4.6	...	...	...	...	...	...	...
8.66	9.00	9.25	AK94	D3	1/16	3/4	1-1/4	9/16	5.0	2AK94	D3	1/16	1-3/8	1-1/4	1/16	6.7
9.16	9.50	9.75	AK99	D3	1/16	3/4	1-1/4	9/16	5.3	...	...	...	...	...	...	...
9.66	10.00	10.25	AK104	D3	1/16	3/4	1-1/4	9/16	5.1	2AK104	D3	1/16	1-3/8	1-1/4	1/16	8.3
10.16	10.50	10.75	AK109	D3	1/16	3/4	1-1/4	9/16	5.7	...	...	...	...	...	...	...
10.66	11.00	11.25	AK114	D3	1/16	3/4	1-1/4	9/16	6.1	2AK114	D3	1/16	1-3/8	1-1/4	1/16	9.1
11.66	12.00	12.25	AK124	D3	1/16	3/4	1-1/4	9/16	6.7	2AK124	D3	1/16	1-3/8	1-1/4	1/16	10.1
12.66	13.00	13.25	AK134	D3	1/16	3/4	1-1/4	9/16	8.0	2AK134	D3	1/16	1-3/8	1-1/4	1/16	12.0
13.66	14.00	14.25	AK144	D3	1/16	3/4	1-1/4	9/16	8.4	2AK144	D3	1/16	1-3/8	1-1/4	1/16	12.5
14.66	15.00	15.25	AK154	D3	1/16	3/4	1-1/4	9/16	9.4	2AK154	D3	1/16	1-3/8	1-1/4	1/16	13.9
17.66	18.00	18.25	AK184	D3	1/16	3/4	1-1/4	9/16	11.9	2AK184	D3	1/16	1-3/8	1-1/4	1/16	17.4

Weights for all Sure-Grip bushed items are approximate and include the bushing.

◆ P.D. for 4L same as O.D. P.D. for 3L = Datum Dia. + .25

LIGHT-DUTY (FHP) SHEAVES

QT BUSHED SHEAVES FOR "B" BELTS

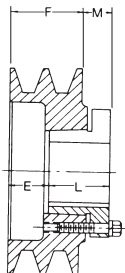
DATUM DIA.		O.D. ◆	Product No.	Single-Groove					Product No.	Two-Groove						
4L (A)	5L (B)			Type	DIMENSIONS					Wt. Lbs.	Type	DIMENSIONS				Wt. Lbs.
					E	F	L	M				E	F	L	M	
2.40	2.80	3.15	BK30	E1	1/2	7/8	1-1/4	7/8	1.8	...	...	...	...	...
2.60	3.00	3.35	BK32	E1	1/2	7/8	1-1/4	7/8	2.0	2BK32	E1	1-3/8	1-3/4	1-1/4	7/8	2.6
2.80	3.20	3.55	BK34	E1	1/2	7/8	1-1/4	7/8	2.2	2BK34	E1	1-3/8	1-3/4	1-1/4	7/8	3.0
3.00	3.40	3.75	BK36	C2	1/16	7/8	1-1/4	7/16	1.8	2BK36	E1	15/16	1-3/4	1-1/4	7/16	2.6
3.20	3.60	3.95	BK40	C2	1/16	7/8	1-1/4	7/16	2.0	2BK40	E1	15/16	1-3/4	1-1/4	7/16	3.0
3.50	3.90	4.25	BK45	C2	1/16	7/8	1-1/4	7/16	2.4	2BK45	E1	15/16	1-3/4	1-1/4	7/16	3.6
3.70	4.10	4.45	BK47	C2	1/16	7/8	1-1/4	7/16	2.8	2BK47	A2	1/16	1-3/4	1-1/4	7/16	3.4
4.00	4.40	4.75	BK50	C2	1/16	7/8	1-1/4	7/16	2.6	2BK50	A2	1/16	1-3/4	1-1/4	7/16	3.9
4.20	4.60	4.95	BK52	C2	1/16	7/8	1-1/4	7/16	2.7	2BK52	A2	1/16	1-3/4	1-1/4	7/16	4.2
4.50	4.90	5.25	BK55	C2	1/16	7/8	1-1/4	7/16	3.3	2BK55	A2	1/16	1-3/4	1-1/4	7/16	4.5
4.70	5.10	5.45	BK57	C2	1/16	7/8	1-1/4	7/16	3.3	2BK57	A2	1/16	1-3/4	1-1/4	7/16	4.9
5.00	5.40	5.75	BK60	C2	1/16	7/8	1-1/4	7/16	3.1	2BK60	A2	1/16	1-3/4	1-1/4	7/16	5.0
5.20	5.60	5.95	BK62	C2	1/16	7/8	1-1/4	7/16	3.2	2BK62	A2	1/16	1-3/4	1-1/4	7/16	5.1
5.50	5.90	6.25	BK65	C2	1/16	7/8	1-1/4	7/16	3.4	2BK65	D3	5/16	1-3/4	1-1/4	3/16	5.1
5.70	6.10	6.45	BK67	C2	1/16	7/8	1-1/4	7/16	3.5	2BK67	D3	5/16	1-3/4	1-1/4	3/16	5.6
6.00	6.40	6.75	BK70	D3	1/8	7/8	1-1/4	1/2	3.4	2BK70	D3	5/16	1-3/4	1-1/4	3/16	5.7
6.20	6.60	6.95	BK72	D3	1/8	7/8	1-1/4	1/2	3.7	2BK72	D3	5/16	1-3/4	1-1/4	3/16	6.0
6.50	6.90	7.25	BK75	D3	1/8	7/8	1-1/4	1/2	3.9	...	...	...	...	...	...
6.70	7.10	7.45	BK77	D3	1/8	7/8	1-1/4	1/2	4.2	...	...	...	...	...	...
7.00	7.40	7.75	BK80	D3	1/8	7/8	1-1/4	1/2	4.0	2BK80	D3	5/16	1-3/4	1-1/4	3/16	7.0
7.50	7.90	8.25	BK85	D3	1/8	7/8	1-1/4	1/2	4.2	...	...	...	...	...	...
8.00	8.40	8.75	BK90	D3	1/8	7/8	1-1/4	1/2	4.9	2BK90	D3	5/16	1-3/4	1-1/4	3/16	8.2
8.50	8.90	9.25	BK95	D3	1/8	7/8	1-1/4	1/2	5.6	...	...	...	...	...	...
9.00	9.40	9.75	BK100	D3	1/8	7/8	1-1/4	1/2	5.8	2BK100	D3	5/16	1-3/4	1-1/4	3/16	9.0
9.50	9.90	10.25	BK105	D3	1/8	7/8	1-1/4	1/2	6.1	...	...	...	...	...	...
10.00	10.40	10.75	BK110	D3	1/8	7/8	1-1/4	1/2	6.6	2BK110	D3	5/16	1-3/4	1-1/4	3/16	9.9
10.50	10.90	11.25	BK115	D3	1/8	7/8	1-1/4	1/2	7.0	...	...	...	...	...	...
11.00	11.40	11.75	BK120	D3	1/8	7/8	1-1/4	1/2	7.5	2BK120	D3	5/16	1-3/4	1-1/4	3/16	11.6
12.00	12.40	12.75	BK130	D3	1/8	7/8	1-1/4	1/2	7.5	2BK130	D3	5/16	1-3/4	1-1/4	3/16	13.7
13.00	13.40	13.75	BK140	D3	1/8	7/8	1-1/4	1/2	9.1	2BK140	D3	5/16	1-3/4	1-1/4	3/16	15.4
14.00	14.40	14.75	BK150	D3	1/8	7/8	1-1/4	1/2	10.1	...	...	...	...	...	...
15.00	15.40	15.75	BK160	D3	1/8	7/8	1-1/4	1/2	10.4	2BK160	D3	5/16	1-3/4	1-1/4	3/16	18.1
18.00	18.40	18.75	BK190	D3	1/8	7/8	1-1/4	1/2	13.4	2BK190	D3	5/16	1-3/4	1-1/4	3/16	22.1

Weights for all Sure-Grip bushed items are approximate and include the bushing.

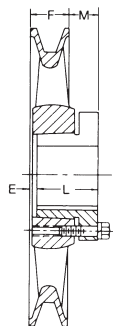
◆ P.D. for A belts = Datum Dia. + .38

P.D. for B belts = Datum Dia. + .413

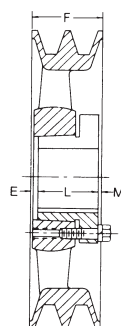
For Sure-Grip Bushing Stock Bores and keyseat information, refer to A1 section.



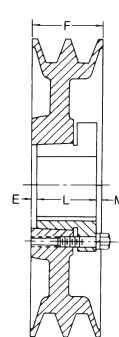
Type E1
(two-groove)



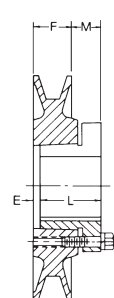
Type D3
(single-groove)



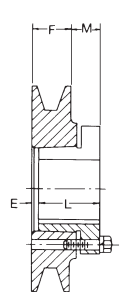
Type D3
(two-groove)



Type A2
(two-groove)



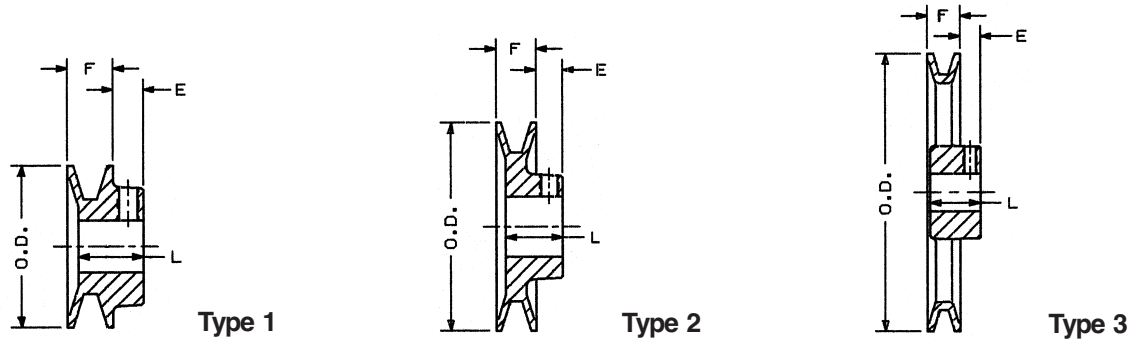
Type C2
(single-groove)



Type E1
(single-groove)



SINGLE GROOVE (FHP) BORED-TO-SIZE SHEAVES



BTS SHEAVES FOR "A" BELTS

Product No.	Datum Dia.		O.D.	Stock Bores	Max. Bore	Type	No. of Arms	Dimensions				Wt. Lbs.
	3L(O)	4L(A)						"E" Dim.	"F" Dim.	"L" Dim.	Hub Dia.	
AK15	...	1.30	1.55	1/2 - 5/8	5/8	1	N/A	7/16	21/32	1-3/32	1.38	0.4
AK16	...	1.40	1.65	1/2 - 5/8	5/8	1	N/A	7/16	21/32	1-3/32	1.38	0.4
AK17	...	1.50	1.75	1/2 - 5/8 - 3/4	7/8	1	N/A	7/16	21/32	15/16	1.56	0.4
AK18	...	1.60	1.85	5/8	7/8	1	N/A	7/16	21/32	15/16	1.56	0.4
AK19	...	1.70	1.95	1/2 - 5/8 - 3/4 - 7/8	7/8	1	N/A	7/16	21/32	15/16	1.56	0.5
AK20	1.46	1.80	2.05	1/2 - 5/8 - 3/4	7/8	1	N/A	7/16	21/32	15/16	1.56	0.5
AK21	1.56	1.90	2.15	1/2 - 5/8 - 3/4	7/8	1	N/A	7/16	21/32	15/16	1.56	0.5
AK22	1.66	2.00	2.25	1/2 - 5/8 - 3/4 - 7/8	1"	1	N/A	7/16	21/32	15/16	1.69	0.6
AK23	1.76	2.10	2.35	1/2 - 5/8 - 3/4	1"	1	N/A	7/16	21/32	15/16	1.69	0.6
AK24	1.86	2.20	2.45	1/2 - 5/8 - 3/4 - 7/8 - 1	1"	1	N/A	7/16	21/32	15/16	1.69	0.6
AK25	1.96	2.30	2.55	1/2 - 5/8 - 3/4 - 7/8	1"	2	N/A	7/16	21/32	15/16	1.69	0.7
AK26	2.06	2.40	2.65	1/2 - 5/8 - 3/4	1"	2	N/A	7/16	21/32	15/16	1.69	0.8
AK27	2.16	2.50	2.75	1/2 - 5/8 - 3/4 - 1	1"	2	N/A	7/16	21/32	15/16	1.69	0.8
AK28	2.26	2.60	2.85	1/2 - 5/8 - 3/4 - 7/8	1"	2	N/A	7/16	21/32	15/16	1.69	0.9
AK30	2.46	2.80	3.05	1/2 - 5/8 - 3/4 - 7/8 - 1	1"	2	N/A	7/16	21/32	15/16	1.69	0.9
AK32	2.66	3.00	3.25	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	2	N/A	7/16	21/32	15/16	1.69	1
AK34	2.86	3.20	3.45	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	2	N/A	7/16	21/32	15/16	1.69	1.1
AK35	2.96	3.30	3.55	1/2 - 5/8 - 3/4 - 7/8 - 1	1"	1	N/A	7/16	21/32	15/16	1.69	1
AK39	3.16	3.50	3.75	1/2 - 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8	1-1/8	2	N/A	15/32	3/4	1-5/32	1.81	1.6
AK41	3.36	3.70	3.95	1/2 - 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8	1-1/8	2	N/A	15/32	3/4	1-5/32	1.81	1.7
AK44	3.66	4.00	4.25	1/2 - 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8	1-1/8	3	N/A	15/32	3/4	1-5/32	1.81	1.9
AK46	3.86	4.20	4.45	1/2 - 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8	1-1/8	3	N/A	15/32	3/4	1-5/32	1.81	1.8
AK49	4.16	4.50	4.75	1/2 - 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8	1-1/8	3	N/A	15/32	3/4	1-5/32	1.81	1.9
AK51	4.36	4.70	4.95	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-5/16	3	3	15/32	3/4	1-5/32	2.06	2.2
AK54	4.66	5.00	5.25	1/2 - 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8 - 1-3/16	1-5/16	3	3	15/32	3/4	1-5/32	2.06	2.2
AK56	4.86	5.20	5.45	1/2 - 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8 - 1-3/16	1-5/16	3	3	15/32	3/4	1-5/32	2.06	2.3
AK59	5.16	5.50	5.75	1/2 - 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8 - 1-3/16	1-3/8	3	3	15/32	3/4	1-5/32	2.13	2.5
AK61	5.36	5.70	5.95	1/2 - 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8 - 1-3/16	1-3/8	3	3	15/32	3/4	1-5/32	2.13	2.4
AK64	5.66	6.00	6.25	1/2 - 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8 - 1-3/16	1-3/8	3	3	15/32	3/4	1-5/32	2.13	2.8
AK66	5.86	6.20	6.45	5/8 - 3/4 - 1 - 1-1/8	1-3/8	3	3	15/32	3/4	1-5/32	2.13	2.8
AK69	6.16	6.50	6.75	3/4 - 1 - 1-1/8	1-9/16	3	3	23/32	3/4	1-15/32	2.38	3.7
AK71	6.36	6.70	6.95	1/2 - 5/8 - 3/4 - 1 - 1-1/8 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	3.9
AK74	6.66	7.00	7.25	1/2 - 5/8 - 3/4 - 15/16 - 1 - 1-1/8 - 1-3/16 - 1-1/4 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	4.1
AK79	7.16	7.50	7.75	3/4 - 1 - 1-1/8 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	4.6
AK81	7.36	7.70	7.95	5/8 - 3/4 - 1	1-11/16	3	6	23/32	3/4	1-15/32	2.50	4.5
AK84	7.66	8.00	8.25	1/2 - 5/8 - 3/4 - 15/16 - 1 - 1-3/16 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	4.7
AK89	8.16	8.50	8.75	3/4 - 1 - 1-1/8 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	4.9
AK91	8.36	8.70	8.95	3/4 - 1	1-11/16	3	6	23/32	3/4	1-15/32	2.50	5
AK94	8.66	9.00	9.25	1/2 - 5/8 - 3/4 - 15/16 - 1 - 1-3/16 - 1-1/4 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	5.3
AK99	9.16	9.50	9.75	3/4 - 1 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	5.5
AK104	9.66	10.00	10.25	5/8 - 3/4 - 1 - 1-3/16 - 1-1/4 - 1-3/8 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	5.7
AK109	10.16	10.50	10.75	3/4 - 1 - 1-3/8 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	6
AK114	10.66	11.00	11.25	3/4 - 1 - 1-3/16 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	6.3
AK124	11.66	12.00	12.25	5/8 - 3/4 - 1 - 1-3/16 - 1-1/4 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	7.1
AK134	12.66	13.00	13.25	3/4 - 1 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	7.7
AK144	13.66	14.00	14.25	3/4 - 1 - 1-3/16 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	8.6
AK154	14.66	15.00	15.25	3/4 - 1 - 1-3/16 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	9.6
AK184	17.66	18.00	18.25	3/4 - 1 - 1-3/16 - 1-7/16	1-11/16	3	6	23/32	3/4	1-15/32	2.50	12.7

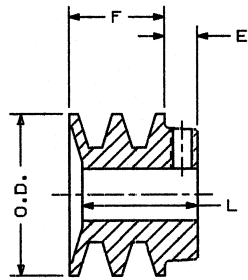
◆ P.D. for A same as O.D. P.D. for 3L = Datum Dia. + .25

Product Number Example: **AK8434** BORE SIZE

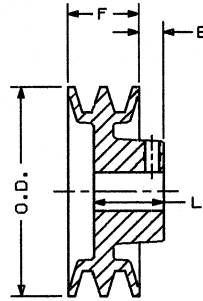
Standard Keyseat Dimensions

Shaft Dia.	Width	Depth
1/2	No Keyseat	
5/8 - 7/8	3/16	3/32
15/16 - 1-1/4	1/4	1/8
1-5/16 - 1-3/8	5/16	5/32
1-7/16 - 1-3/4	3/8	3/16

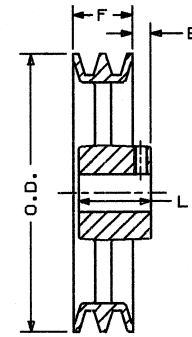
TWO GROOVE (FHP) BORED-TO-SIZE SHEAVES



Type 1A



Type 2A



Type 3A

BTS SHEAVES FOR "A" BELTS

Product No.	Datum Dia.		O.D. ◆	Stock Bores	Max. Bore	Type	No. of Arms	Dimensions				Wt. Lbs.
	3L(0)	4L(A)						"E" Dim.	"F" Dim.	"L" Dim.	Hub Dia.	
2AK20	1.46	1.80	2.05	1/2 - 5/8 - 3/4 - 7/8*	15/16	1A	N/A	15/32	1-3/8	1-21/32	1.63	0.9
2AK21	1.56	1.90	2.15	1/2 - 5/8 - 3/4 -	15/16	1A	N/A	15/32	1-3/8	1-21/32	1.63	1
2AK22	1.66	2.00	2.25	1/2 - 5/8 - 3/4 - 7/8 - 1*	1"	1A	N/A	15/32	1-3/8	1-21/32	1.63	1.1
2AK23	1.76	2.10	2.35	5/8 - 3/4 - 7/8 - 1	1-1/8	1A	N/A	15/32	1-3/8	1-21/32	1.88	1.3
2AK25	1.96	2.30	2.55	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	1A	N/A	15/32	1-3/8	1-21/32	1.88	1.5
2AK26	2.06	2.40	2.65	5/8 - 3/4 - 7/8	1-1/8	1A	N/A	15/32	1-3/8	1-21/32	1.88	1.6
2AK27	2.16	2.50	2.75	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	1A	N/A	15/32	1-3/8	1-21/32	1.88	1.7
2AK28	2.26	2.60	2.85	5/8 - 3/4 - 7/8 - 1	1-1/8	1A	N/A	15/32	1-3/8	1-21/32	1.88	1.8
2AK30	2.46	2.80	3.05	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	1A	N/A	15/32	1-3/8	1-21/32	1.88	2
2AK32	2.66	3.00	3.25	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	1A	N/A	15/32	1-3/8	1-21/32	1.88	2.3
2AK34	2.86	3.20	3.45	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	1A	N/A	15/32	1-3/8	1-21/32	1.88	2.6
2AK39	3.16	3.50	3.75	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	2A	N/A	15/32	1-3/8	1-11/32	2.13	2.6
2AK41	3.36	3.70	3.95	5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-3/8	2A	N/A	15/32	1-3/8	1-11/32	2.13	2.8
2AK44	3.66	4.00	4.25	5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-3/8	2A	N/A	15/32	1-3/8	1-11/32	2.13	3.2
2AK46	3.86	4.20	4.45	5/8 - 7/8 - 1 - 1-1/8	1-3/8	2A	N/A	15/32	1-3/8	1-11/32	2.13	3.2
2AK49	4.16	4.50	4.75	3/4 - 7/8 - 1 - 1-1/8 - 1-3/8	1-7/16	2A	N/A	15/32	1-3/8	1-11/32	2.25	3.6
2AK51	4.36	4.70	4.95	3/4 - 7/8 - 1 - 1-1/8 - 1-3/8	1-7/16	2A	N/A	15/32	1-3/8	1-11/32	2.25	3.3
2AK54	4.66	5.00	5.25	5/8 - 3/4 - 7/8 - 1 - 1-1/8 - 1-3/8	1-7/16	3A	3	15/32	1-3/8	1-11/32	2.25	3.8
2AK56	4.86	5.20	5.45	5/8 - 3/4 - 1 - 1-1/8 - 1-3/8	1-7/16	3A	3	15/32	1-3/8	1-11/32	2.25	4.1
2AK59	5.16	5.50	5.75	1 - 1-1/8 - 1-3/8	1-7/16	3A	3	15/32	1-3/8	1-11/32	2.25	3.9
2AK61	5.36	5.70	5.95	3/4 - 7/8 - 1 - 1-1/8 - 1-3/8	1-7/16	3A	3	15/32	1-3/8	1-11/32	2.25	4
2AK64	5.66	6.00	6.25	3/4 - 1 - 1-1/8 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3A	3	11/32	1-3/8	1-19/32	2.50	4.9
2AK74	6.66	7.00	7.25	3/4 - 1 - 1-1/8 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3A	6	11/32	1-3/8	1-19/32	2.50	6
2AK84	7.66	8.00	8.25	3/4 - 15/16 - 1 - 1-1/8 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3A	6	11/32	1-3/8	1-19/32	2.50	6.6
2AK94	8.66	9.00	9.25	3/4 - 1 - 1-1/8 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3A	6	11/32	1-3/8	1-19/32	2.50	7.5
2AK104	9.66	10.00	10.25	3/4 - 15/16 - 1 - 1-3/16 - 1-7/16	1-11/16	3A	6	11/32	1-3/8	1-19/32	2.50	8.5
2AK114	10.66	11.00	11.25	1 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3A	6	11/32	1-3/8	1-19/32	2.50	9.3
2AK124	11.66	12.00	12.25	1 - 1-3/16 - 1-7/16	1-11/16	3A	6	11/32	1-3/8	1-19/32	2.50	10.1
2AK134	12.66	13.00	13.25	1-3/16 - 1-7/16	1-11/16	3A	6	11/32	1-3/8	1-19/32	2.50	10.9
2AK144	13.66	14.00	14.25	1 - 1-7/16	1-11/16	3A	6	11/32	1-3/8	1-19/32	2.50	12.2
2AK154	14.66	15.00	15.25	1-3/16 - 1-7/16	1-11/16	3A	6	11/32	1-3/8	1-19/32	2.50	13.8
2AK184	17.66	18.00	18.25	1-3/16 - 1-7/16	1-11/16	3A	6	11/32	1-3/8	1-19/32	2.50	17

*Cannot use 3L belt.

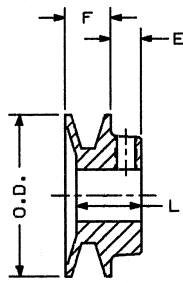
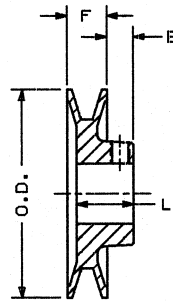
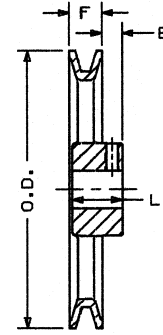
◆ P.D. for A same as O.D. P.D. for 3L = Datum Dia. + .25

Product Number Example: **2AK1141** _____ BORE SIZE

Standard Keyseat Dimensions

Shaft Dia.	Width	Depth
1/2	No Keyseat	
5/8 - 7/8	3/16	3/32
15/16 - 1-1/4	1/4	1/8
1-5/16 - 1-3/8	5/16	5/32
1-7/16 - 1-3/4	3/8	3/16

SINGLE GROOVE (FHP) BORED-TO-SIZE SHEAVES


Type 1

Type 2

Type 3

DIMENSIONS (in inches)

Product No.	Datum Dia.		O.D. ◆	Stock Bores	Max. Bore	Type	No. of Arms	Dimensions				Wt. Lbs.
	4L(A)	5L(B)						"E" Dim.	"F" Dim.	"L" Dim.	Hub Dia.	
BK19	...	1.70	2.05	5/8 - 3/4	7/8	1	N/A	7/16	13/16	1-3/32	1.56	0.6
BK20	...	1.80	2.15	1/2 - 5/8 - 3/4	1"	1	N/A	7/16	13/16	1-3/32	1.69	0.7
BK22	...	2.00	2.35	1/2 - 5/8 - 3/4 - 7/8 - 1	1"	1	N/A	7/16	13/16	1-3/32	1.69	0.8
BK23	...	2.10	2.45	1/2 - 5/8 - 3/4 - 7/8 - 1	1"	1	N/A	7/16	13/16	1-3/32	1.69	0.8
BK24	1.80	2.20	2.55	1/2 - 5/8 - 3/4 - 7/8 - 1	1"	1	N/A	7/16	13/16	1-3/32	1.69	0.9
BK25	1.90	2.30	2.65	1/2 - 5/8 - 3/4 - 7/8 - 1	1"	1	N/A	7/16	13/16	1-3/32	1.69	0.9
BK26	2.00	2.40	2.75	1/2 - 5/8 - 3/4 - 7/8	1"	1	N/A	7/16	13/16	1-3/32	1.69	1
BK27	2.10	2.50	2.85	1/2 - 5/8 - 3/4 - 7/8 - 1-1/8	1-1/8	2	N/A	7/16	13/16	1-3/32	1.81	1.1
BK28	2.20	2.60	2.95	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	2	N/A	7/16	13/16	1-3/32	1.81	1.1
BK30	2.40	2.80	3.15	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	2	N/A	7/16	13/16	1-3/32	1.81	1.3
BK31	2.50	2.90	3.25	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	2	N/A	7/16	13/16	1-3/32	1.81	1.3
BK32	2.60	3.00	3.35	1/2 - 5/8 - 3/4 - 7/8 - 1	1-1/8	2	N/A	7/16	13/16	1-3/32	1.81	1.3
BK34	2.80	3.20	3.55	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	2	N/A	7/16	7/8	1-3/16	1.81	1.6
BK36	3.00	3.40	3.75	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	2	N/A	7/16	7/8	1-3/16	1.81	1.7
BK40	3.20	3.60	3.95	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	2	N/A	7/16	7/8	1-3/16	1.81	1.8
BK45	3.50	3.90	4.25	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	2	N/A	7/16	7/8	1-3/16	1.81	2.1
BK46	3.60	4.00	4.35	7/8	1-1/8	1	N/A	7/16	7/8	1-3/16	1.81	2.1
BK47	3.70	4.10	4.45	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-5/16	2	N/A	7/16	7/8	1-3/16	2.06	2.4
BK48	3.80	4.20	4.55	5/8 - 3/4 - 7/8 - 1-1/8	1-5/16	1	N/A	7/16	7/8	1-3/16	2.06	2.4
BK50	4.00	4.40	4.75	1/2 - 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8	1-1/8	3	3	7/16	7/8	1-3/16	1.81	2.0
BK52	4.20	4.60	4.95	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	3	3	7/16	7/8	1-3/16	1.81	2.2
BK55	4.50	4.90	5.25	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8 - 1-3/16	1-5/16	3	3	7/16	7/8	1-3/16	2.06	2.5
BK57	4.70	5.10	5.45	5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8	1-5/16	3	3	7/16	7/8	1-3/16	2.06	2.6
BK60	5.00	5.40	5.75	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8 - 1-3/16	1-3/8	3	3	7/16	7/8	1-3/16	2.13	2.7
BK62	5.20	5.60	5.95	1/2 - 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8 - 1-3/16	1-9/16	3	3	7/16	7/8	1-3/16	2.38	3.2
BK65	5.50	5.90	6.25	5/8 - 3/4 - 1 - 1-1/8	1-9/16	3	3	7/16	7/8	1-3/16	2.38	3.3
BK67	5.70	6.10	6.45	5/8 - 3/4 - 1 - 1-1/8	1-9/16	3	3	7/16	7/8	1-3/16	2.38	3.6
BK70	6.00	6.40	6.75	5/8 - 3/4 - 15/16 - 1 - 1-1/8 - 1-3/16 - 1-7/16	1-11/16	3	3	21/32	7/8	1-15/32	2.50	4
BK72	6.20	6.60	6.95	3/4 - 1 - 1-1/8 - 1-3/8 - 1-7/16	1-11/16	3	3	21/32	7/8	1-15/32	2.50	4.1
BK75	6.50	6.90	7.25	3/4 - 1 - 1-1/8 - 1-7/16	1-11/16	3	3	21/32	7/8	1-15/32	2.50	4.5
BK77	6.70	7.10	7.45	3/4 - 1 - 1-1/8 - 1-3/8 - 1-7/16	1-11/16	3	3	21/32	7/8	1-15/32	2.50	4.5
BK80	7.00	7.40	7.75	5/8 - 3/4 - 7/8 - 1 - 1-1/8 - 1-3/16 - 1-1/4 - 1-3/8 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	4.8
BK85	7.50	7.90	8.25	3/4 - 1 - 1-1/8 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	5.1
BK90	8.00	8.40	8.75	5/8 - 3/4 - 7/8 - 15/16 - 1 - 1-1/8 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	5.4
BK95	8.50	8.90	9.25	3/4 - 1 - 1-1/8 - 1-3/8 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	5.6
BK100	9.00	9.40	9.75	3/4 - 7/8 - 15/16 - 1 - 1-1/8 - 1-3/16 - 1-1/4 - 1-3/8 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	6.2
BK105	9.50	9.90	10.25	1 - 1-3/8 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	6.3
BK110	10.00	10.40	10.75	3/4 - 1 - 1-1/8 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	6.6
BK115	10.50	10.90	11.25	1 - 1-3/8 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	7.2
BK120	11.00	11.40	11.75	3/4 - 1 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	7.5
BK130	12.00	12.40	12.75	3/4 - 1 - 1-1/8 - 1-3/16 - 1-1/4 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	8.5
BK140	13.00	13.40	13.75	3/4 - 1 - 1-1/8 - 1-3/16 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	9.8
BK160	15.00	15.40	15.75	1 - 1-1/8 - 1-3/16 - 1-1/4 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	11.2
BK190	18.00	18.40	18.75	1 - 1-3/16 - 1-1/4 - 1-7/16	1-11/16	3	6	21/32	7/8	1-15/32	2.50	13.4

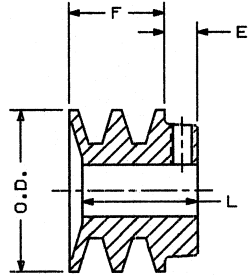
◆ P.D. for A belts = Datum Dia. + .38
 P.D. for B belts = Datum Dia. + .413

Product Number Example: **BK701516** _____ BORE SIZE

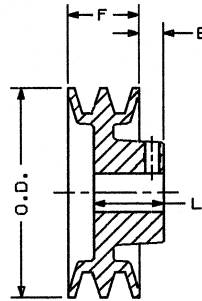
Standard Keyseat Dimensions

Shaft Dia.	Width	Depth
1/2	No Keyseat	
5/8 - 7/8	3/16	3/32
15/16 - 1-1/4	1/4	1/8
1-5/16 - 1-3/8	5/16	5/32
1-7/16 - 1-3/4	3/8	3/16

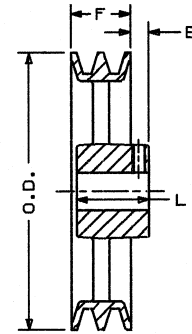
TWO GROOVE (FHP) BORED-TO-SIZE SHEAVES



Type 1A



Type 2A



Type 3A

BTS SHEAVES FOR "B" BELTS

Product No.	Datum Dia.		O.D. ◆	Stock Bores	Max. Bore	Type	No. of Arms	Dimensions				Wt. Lbs.
	4L(A)	5L(B)						"E" Dim.	"F" Dim.	"L" Dim.	Hub Dia.	
2BK23	1.70	2.10	2.45	5/8 - 7/8	1-1/8	1A	N/A	15/32	1-3/4	2-1/32	1.88	1.7
2BK25	1.90	2.30	2.65	1/2 - 5/8 - 3/4 - 7/8 - 1	1-1/8	1A	N/A	15/32	1-3/4	1-31/32	1.88	1.8
2BK26	2.00	2.40	2.75	5/8 - 7/8 - 1-1/8	1-1/8	1A	N/A	15/32	1-3/4	1-31/32	1.88	2.0
2BK27	2.10	2.50	2.85	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	1A	N/A	15/32	1-3/4	1-31/32	1.88	2.1
2BK28	2.20	2.60	2.95	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	1A	N/A	15/32	1-3/4	1-31/32	1.88	2.2
2BK30	2.40	2.80	3.15	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	1A	N/A	15/32	1-3/4	1-31/32	1.88	2.6
2BK32	2.60	3.00	3.35	5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	1A	N/A	15/32	1-3/4	1-31/32	1.88	2.9
2BK34	2.80	3.20	3.55	5/8 - 3/4 - 7/8 - 1 - 1-1/8	1-1/8	1A	N/A	15/32	1-3/4	1-31/32	1.88	3.3
2BK36	3.00	3.40	3.75	5/8 - 3/4 - 7/8 - 1 - 1-1/8 - 1-3/8	1-3/8	1A	N/A	15/32	1-3/4	1-31/32	2.13	3.7
2BK40	3.20	3.60	3.95	5/8 - 3/4 - 7/8 - 1 - 1-1/8 - 1-3/8	1-3/8	2A	N/A	15/32	1-3/4	1-15/32	2.13	3.3
2BK45	3.50	3.90	4.25	1 - 1-1/8 - 1-3/8	1-3/8	2A	N/A	15/32	1-3/4	1-15/32	2.13	3.9
2BK47	3.70	4.10	4.45	7/8 - 1 - 1-1/8	1-3/8	2A	N/A	15/32	1-3/4	1-15/32	2.13	4.2
2BK50	4.00	4.40	4.75	3/4 - 1 - 1-1/8 - 1-3/8	1-3/8	2A	N/A	15/32	1-3/4	1-15/32	2.13	4.7
2BK52	4.20	4.60	4.95	7/8 - 1 - 1-1/8 - 1-3/8	1-3/8	2A	N/A	15/32	1-3/4	1-15/32	2.13	5.0
2BK55	4.50	4.90	5.25	1-1/8 - 1-3/8	1-7/16	2A	N/A	15/32	1-3/4	1-15/32	2.25	5.1
2BK57	4.70	5.10	5.45	1 - 1-1/8 - 1-3/8	1-7/16	2A	N/A	15/32	1-3/4	1-15/32	2.25	4.8
2BK60	5.00	5.40	5.75	3/4 - 7/8 - 1 - 1-1/8 - 1-3/8	1-7/16	2A	N/A	15/32	1-3/4	1-15/32	2.25	5.3
2BK62	5.20	5.60	5.95	1 - 1-1/8 - 1-3/8	1-7/16	2A	N/A	15/32	1-3/4	1-15/32	2.25	5.7
2BK65	5.50	5.90	6.25	1 - 1-1/8 - 1-3/8	1-7/16	3A	3	15/32	1-3/4	1-15/32	2.25	5.5
2BK67	5.70	6.10	6.45	1 - 1-1/8 - 1-3/8	1-7/16	3A	3	15/32	1-3/4	1-15/32	2.25	5.7
2BK70	6.00	6.40	6.75	3/4 - 1 - 1-1/8 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3A	3	11/32	1-3/4	1-19/32	2.50	6.5
2BK80	7.00	7.40	7.75	3/4 - 1 - 1-1/8 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3A	6	11/32	1-3/4	1-19/32	2.50	7.9
2BK90	8.00	8.40	8.75	3/4 - 1 - 1-1/8 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3A	6	11/32	1-3/4	1-19/32	2.50	8.9
2BK100	9.00	9.40	9.75	3/4 - 1 - 1-3/16 - 1-3/8 - 1-7/16	1-11/16	3A	6	11/32	1-3/4	1-19/32	2.50	10.1
2BK110	10.00	10.40	10.75	1 - 1-3/16 - 1-7/16	1-11/16	3A	6	11/32	1-3/4	1-19/32	2.50	11.1
2BK120	11.00	11.40	11.75	1 - 1-3/16 - 1-7/16	1-11/16	3A	6	11/32	1-3/4	1-19/32	2.50	12.2
2BK130	12.00	12.40	12.75	1 - 1-3/16 - 1-7/16	1-15/16	3A	6	11/32	1-3/4	1-19/32	2.88	14.0
2BK140	13.00	13.40	13.75	1 - 1-3/16 - 1-7/16	1-15/16	3A	6	11/32	1-3/4	1-19/32	2.88	15.1
2BK160	15.00	15.40	15.75	1 - 1-3/16 - 1-7/16	1-15/16	3A	6	11/32	1-3/4	1-19/32	2.88	17.9
2BK190	18.00	18.40	18.75	1-3/16 - 1-7/16	1-15/16	3A	6	11/32	1-3/4	1-19/32	2.88	22.0

◆ P.D. for A belts = Datum Dia. + .38
P.D. for B belts = Datum Dia. + .413

Product Number Example: **2BK30118** _____ BORE SIZE

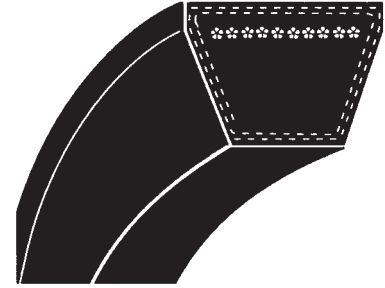
Standard Keyseat Dimensions

Shaft Dia.	Width	Depth
1/2	No Keyseat	
5/8 - 7/8	3/16	3/32
15/16 - 1-1/4	1/4	1/8
1-5/16 - 1-3/8	5/16	5/32
1-7/16 - 1-3/4	3/8	3/16

Most belt manufacturers have adopted the Rubber Manufacturers Association (RMA) identification system, which consists of using identical, self-descriptive numbers for interchangeable belts. Every identifying number contains three units grouped together as shown by the following example:

3
L
350
Top width in
Duty
Outside circumference
1/8ths of inches

in 1/10ths of inches: 35"


2L Belts

Product No.	Outside Length	Wt. (Lbs.)
2L110	11.0	.03
2L140	14.0	.03
2L150	15.0	.03
2L160	16.0	.03
2L200	20.0	.04
2L230	23.0	.04
2L250	25.0	.05
2L360	36.0	.09

3L Belts

Product No.	Outside Length	Wt. (Lbs.)
3L190	19.0	.05
3L200	20.0	.06
3L210	21.0	.06
3L220	22.0	.06
3L230	23.0	.07
3L240	24.0	.07
3L250	25.0	.07
3L260	26.0	.08
3L270	27.0	.08
3L280	28.0	.08
3L290	29.0	.09
3L300	30.0	.09
3L310	31.0	.09
3L320	32.0	.10
3L330	33.0	.10
3L340	34.0	.10
3L350	35.0	.10
3L360	36.0	.11
3L370	37.0	.11
3L380	38.0	.11
3L390	39.0	.12
3L400	40.0	.12
3L410	41.0	.12
3L420	42.0	.13
3L430	43.0	.13
3L440	44.0	.13
3L450	45.0	.14
3L460	46.0	.14
3L470	47.0	.14

3L Belts, cont.

Product No.	Outside Length	Wt. (Lbs.)
3L480	48.0	.14
3L490	49.0	.15
3L500	50.0	.15
3L510	51.0	.15
3L520	52.0	.16
3L530	53.0	.16
3L540	54.0	.16
3L550	55.0	.17
3L560	56.0	.19
3L570	57.0	.19
3L580	58.0	.19
3L590	59.0	.20
3L600	60.0	.20
3L610	61.0	.20
3L620	62.0	.20
3L630	63.0	.20
3L690	69.0	.22
3L710	71.0	.22
3L740	74.0	.24
3L750	75.0	.26

4L Belts

Product No.	Outside Length	Wt. (Lbs.)
4L190	19.0	.10
4L200	20.0	.10
4L210	21.0	.11
4L220	22.0	.11
4L230	23.0	.12
4L240	24.0	.12
4L250	25.0	.13
4L260	26.0	.13
4L270	27.0	.14
4L280	28.0	.14
4L290	29.0	.15
4L300	30.0	.15
4L305	30.5	.15
4L310	31.0	.16
4L315	31.5	.16
4L320	32.0	.16
4L330	33.0	.17
4L340	34.0	.17
4L350	35.0	.18
4L360	36.0	.18
4L370	37.0	.19
4L380	38.0	.20
4L390	39.0	.20

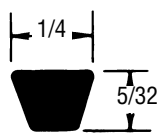
4L Belts, cont.

Product No.	Outside Length	Wt. (Lbs.)
4L400	40.0	.21
4L410	41.0	.21
4L420	42.0	.22
4L430	43.0	.22
4L440	44.0	.23
4L450	45.0	.23
4L460	46.0	.24
4L470	47.0	.24
4L480	48.0	.25
4L490	49.0	.25
4L500	50.0	.26
4L510	51.0	.26
4L515	51.5	.26
4L520	52.0	.27
4L530	53.0	.27
4L540	54.0	.28
4L550	55.0	.28
4L560	56.0	.29
4L570	57.0	.29
4L580	58.0	.30
4L590	59.0	.31
4L600	60.0	.31
4L610	61.0	.32
4L620	62.0	.32
4L630	63.0	.33
4L640	64.0	.33
4L650	65.0	.34
4L660	66.0	.34
4L670	67.0	.35
4L680	68.0	.35
4L690	69.0	.36
4L700	70.0	.36
4L710	71.0	.37
4L720	72.0	.37
4L730	73.0	.38
4L740	74.0	.38
4L750	75.0	.39
4L760	76.0	.39
4L770	77.0	.40
4L780	78.0	.41
4L790	79.0	.41
4L800	80.0	.42
4L810	81.0	.42
4L820	82.0	.43
4L830	83.0	.43
4L840	84.0	.44
4L850	85.0	.44

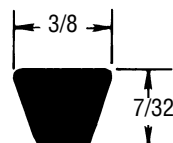
5L Belts

Product No.	Outside Length	Wt. (Lbs.)
5L230	23.0	.18
5L240	24.0	.19
5L250	25.0	.20
5L260	26.0	.20
5L270	27.0	.21
5L280	28.0	.22
5L290	29.0	.23
5L300	30.0	.23
5L310	31.0	.24
5L320	32.0	.25
5L330	33.0	.26
5L340	34.0	.27
5L350	35.0	.27
5L360	36.0	.28
5L370	37.0	.29
5L380	38.0	.30
5L390	39.0	.31
5L400	40.0	.31
5L410	41.0	.32
5L420	42.0	.33
5L430	43.0	.34
5L440	44.0	.35
5L450	45.0	.35
5L460	46.0	.36
5L470	47.0	.37
5L480	48.0	.38
5L490	49.0	.39
5L500	50.0	.39
5L510	51.0	.40
5L520	52.0	.41
5L530	53.0	.42
5L540	54.0	.43
5L550	55.0	.43
5L560	56.0	.44
5L570	57.0	.45

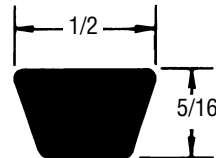
Product No.	Outside Length	Wt. (Lbs.)
5L580	58.0	.46
5L590	59.0	.47
5L600	60.0	.47
5L610	61.0	.48
5L620	62.0	.49
5L630	63.0	.50
5L640	64.0	.51
5L650	65.0	.51
5L660	66.0	.52
5L670	67.0	.53
5L680	68.0	.54
5L690	69.0	.55
5L700	70.0	.55
5L710	71.0	.56
5L720	72.0	.57
5L730	73.0	.58
5L740	74.0	.59
5L750	75.0	.59
5L760	76.0	.60
5L770	77.0	.61
5L780	78.0	.62
5L790	79.0	.63
5L800	80.0	.63
5L810	81.0	.64
5L820	82.0	.65
5L830	83.0	.66
5L840	84.0	.67
5L850	85.0	.67



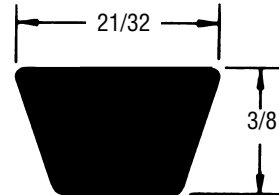
2L



3L



4L



5L

DRIVE RATIOS USING 4L, AP & AX BELTS IN AK SHEAVES



An Altra Industrial Motion Company

Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN
3.55	AK34	AK124	3.97	AK19	AK79	4.48	AK15	AK71	5.24	AK20	AK109	6.49	AK23	AK154
3.56	AK19	AK71	3.98	AK22	AK91	4.49	AK19	AK89	5.26	AK19	AK104	6.52	AK16	AK109
3.57	AK17	AK64	3.98	AK24	AK99	4.51	AK20	AK94	5.27	AK18	AK99	6.61	AK15	AK104
3.57	AK24	AK89	4.01	AK35	AK144	4.53	AK21	AK99	5.29	AK17	AK94	6.62	AK18	AK124
3.59	AK44	AK154	4.02	AK30	AK124	4.54	AK17	AK81	5.29	AK34	AK184	6.63	AK21	AK144
3.60	AK28	AK104	4.02	AK25	AK104	4.56	AK22	AK104	5.30	AK16	AK89	6.64	AK27	AK184
3.60	AK21	AK79	4.02	AK20	AK84	4.57	AK23	AK109	5.32	AK15	AK84	6.78	AK22	AK154
3.61	AK16	AK61	4.03	AK15	AK64	4.59	AK19	AK91	5.35	AK28	AK154	6.79	AK19	AK134
3.61	AK41	AK144	4.06	AK26	AK109	4.59	AK24	AK114	5.38	AK26	AK144	6.82	AK16	AK114
3.63	AK25	AK94	4.07	AK39	AK154	4.62	AK41	AK184	5.41	AK24	AK134	6.89	AK26	AK184
3.65	AK18	AK69	4.07	AK21	AK89	4.62	AK26	AK124	5.42	AK16	AK91	6.94	AK15	AK109
3.65	AK24	AK91	4.08	AK19	AK81	4.65	AK28	AK134	5.44	AK22	AK124	6.95	AK20	AK144
3.67	AK22	AK84	4.08	AK32	AK134	4.67	AK30	A 144	5.49	AK20	AK114	7.00	AK17	AK124
3.68	AK26	AK99	4.09	AK16	AK69	4.68	AK15	AK74	5.51	AK19	AK109	7.09	AK21	AK154
3.69	AK17	AK66	4.09	AK27	AK114	4.69	AK32	AK154	5.54	AK18	AK104	7.16	AK25	AK184
3.69	AK51	AK184	4.10	AK46	AK184	4.70	AK16	AK79	5.55	AK27	AK154	7.16	AK18	AK134
3.69	AK30	AK114	4.11	AK22	AK94	4.71	AK17	AK84	5.57	AK17	AK99	7.26	AK15	AK114
3.70	AK21	AK81	4.13	AK34	AK144	4.73	AK18	AK89	5.59	AK25	AK144	7.31	AK19	AK144
3.71	AK15	AK59	4.14	AK17	AK74	4.74	AK19	AK94	5.61	AK16	AK94	7.42	AK16	AK124
3.72	AK19	AK74	4.15	AK23	AK99	4.76	AK20	AK99	5.62	AK32	AK184	7.44	AK20	AK154
3.72	AK23	AK89	4.16	AK15	AK66	4.77	AK21	AK104	5.64	AK23	AK134	7.45	AK24	AK184
3.73	AK27	AK104	4.16	AK21	AK91	4.78	AK22	AK109	5.65	AK15	AK89	7.57	AK17	AK134
3.73	AK35	AK134	4.18	AK24	AK104	4.79	AK23	AK114	5.70	AK21	AK124	7.70	AK18	AK144
3.76	AK18	AK71	4.19	AK18	AK79	4.80	AK25	AK124	5.75	AK26	AK154	7.77	AK23	AK184
3.77	AK32	AK124	4.21	AK16	AK71	4.82	AK16	AK81	5.77	AK19	AK114	7.82	AK19	AK154
3.77	AK28	AK109	4.22	AK25	AK109	4.82	AK27	AK134	5.77	AK15	AK91	7.90	AK15	AK124
3.78	AK24	AK94	4.23	AK19	AK84	4.84	AK18	AK91	5.81	AK18	AK109	8.03	AK16	AK134
3.78	AK20	AK79	4.25	AK26	AK114	4.87	AK39	AK184	5.82	AK24	AK144	8.11	AK22	AK184
3.79	AK16	AK64	4.27	AK20	AK89	5.00	AK15	AK79	5.86	AK17	AK104	8.14	AK17	AK144
3.80	AK39	AK144	4.29	AK44	AK184	5.00	AK16	AK84	5.89	AK22	AK134	8.24	AK18	AK154
3.81	AK23	AK91	4.30	AK35	AK154	5.00	AK17	AK89	5.91	AK16	AK99	8.49	AK21	AK184
3.82	AK25	AK99	4.30	AK18	AK81	5.00	AK18	AK94	5.97	AK15	AK94	8.55	AK15	AK134
3.84	AK21	AK84	4.30	AK28	AK124	5.00	AK19	AK99	5.98	AK20	AK124	8.64	AK16	AK144
3.84	AK15	AK61	4.30	AK21	AK94	5.00	AK20	AK104	5.98	AK25	AK154	8.71	AK17	AK154
3.84	AK34	AK134	4.33	AK22	AK99	5.00	AK21	AK109	5.98	AK30	AK184	8.90	AK20	AK184
3.84	AK49	AK184	4.34	AK30	AK134	5.00	AK22	AK114	6.06	AK23	AK144	9.19	AK15	AK144
3.86	AK17	AK69	4.35	AK15	AK69	5.00	AK24	AK124	6.08	AK18	AK114	9.24	AK16	AK154
3.86	AK41	AK154	4.36	AK23	AK104	5.00	AK26	AK134	6.14	AK17	AK109	9.36	AK19	AK184
3.87	AK26	AK104	4.37	AK20	AK91	5.00	AK28	AK144	6.16	AK21	AK134	9.84	AK15	AK154
3.88	AK20	AK81	4.38	AK32	AK144	5.00	AK30	AK154	6.21	AK16	AK104	9.86	AK18	AK184
3.89	AK22	AK89	4.39	AK24	AK109	5.11	AK17	AK91	6.22	AK24	AK154	10.43	AK17	AK184
3.91	AK16	AK66	4.39	AK16	AK74	5.13	AK15	AK81	6.28	AK19	AK124	11.06	AK16	AK184
3.91	AK27	AK109	4.41	AK25	AK114	5.14	AK35	AK184	6.29	AK15	AK99	11.77	AK15	AK184
3.92	AK18	AK74	4.42	AK34	AK154	5.18	AK27	AK144	6.33	AK22	AK144			
3.94	AK23	AK94	4.43	AK17	AK79	5.20	AK25	AK134	6.40	AK28	AK184			
3.95	AK28	AK114	4.45	AK27	AK124	5.21	AK23	AK124	6.43	AK17	AK114			
3.97	AK17	AK71	4.46	AK18	AK84	5.23	AK21	AK114	6.46	AK20	AK134			

DRIVE RATIOS USING 4L, AP & AX BELTS IN BK SHEAVES



TB Wood's
Incorporated

An Altra Industrial Motion Company

Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN
1.60	BK27	BK45	1.77	BK57	BK95	1.97	BK57	BK105	2.23	BK27	BK60	2.56	BK26	BK65
1.60	BK30	BK50	1.77	BK36	BK65	1.97	BK62	BK115	2.25	BK30	BK67	2.56	BK24	BK60
1.60	BK25	BK40	1.78	BK65	BK110	1.97	BK100	BK190	2.25	BK40	BK85	2.56	BK67	BK160
1.61	BK62	BK95	1.79	BK34	BK62	1.98	BK24	BK48	2.25	BK62	BK130	2.58	BK55	BK130
1.61	BK90	BK140	1.79	BK62	BK105	1.98	BK25	BK50	2.26	BK75	BK160	2.59	BK47	BK110
1.61	BK65	BK100	1.79	BK48	BK80	1.98	BK26	BK52	2.26	BK32	BK72	2.60	BK45	BK105
1.61	BK28	BK47	1.79	BK25	BK46	1.98	BK30	BK60	2.26	BK55	BK115	2.62	BK30	BK77
1.62	BK36	BK60	1.79	BK30	BK55	1.98	BK36	BK72	2.27	BK46	BK95	2.63	BK77	BK190
1.62	BK77	BK120	1.80	BK26	BK48	2.01	BK46	BK85	2.27	BK57	BK120	2.63	BK28	BK72
1.62	BK34	BK57	1.80	BK45	BK75	2.01	BK40	BK77	2.28	BK34	BK77	2.64	BK26	BK67
1.62	BK46	BK70	1.80	BK70	BK120	2.02	BK32	BK65	2.28	BK48	BK100	2.65	BK50	BK120
1.63	BK52	BK80	1.81	BK46	BK77	2.02	BK28	BK57	2.29	BK50	BK105	2.65	BK65	BK160
1.63	BK55	BK85	1.81	BK67	BK115	2.02	BK27	BK55	2.30	BK25	BK57	2.65	BK48	BK115
1.63	BK47	BK72	1.81	BK27	BK50	2.04	BK48	BK90	2.30	BK52	BK110	2.66	BK24	BK62
1.64	BK50	BK77	1.81	BK40	BK70	2.05	BK60	BK115	2.30	BK65	BK140	2.66	BK27	BK70
1.64	BK27	BK46	1.81	BK75	BK130	2.05	BK34	BK70	2.32	BK24	BK55	2.66	BK46	BK110
1.64	BK67	BK105	1.82	BK28	BK52	2.05	BK55	BK105	2.32	BK27	BK62	2.67	BK25	BK65
1.64	BK70	BK110	1.82	BK50	BK85	2.05	BK72	BK140	2.33	BK26	BK60	2.68	BK57	BK140
1.65	BK100	BK160	1.83	BK80	BK140	2.06	BK30	BK62	2.33	BK45	BK95	2.68	BK40	BK100
1.65	BK28	BK48	1.83	BK24	BK45	2.06	BK50	BK95	2.33	BK60	BK130	2.69	BK36	BK95
1.67	BK26	BK45	1.83	BK36	BK67	2.06	BK67	BK130	2.34	BK47	BK100	2.70	BK75	BK190
1.67	BK32	BK55	1.84	BK47	BK80	2.06	BK62	BK120	2.35	BK28	BK65	2.70	BK34	BK90
1.67	BK40	BK65	1.84	BK25	BK47	2.07	BK45	BK85	2.35	BK85	BK190	2.72	BK32	BK85
1.67	BK45	BK70	1.84	BK32	BK60	2.07	BK25	BK52	2.36	BK30	BK70	2.72	BK47	BK115
1.67	BK48	BK75	1.84	BK55	BK95	2.07	BK57	BK110	2.36	BK72	BK160	2.73	BK45	BK110
1.67	BK57	BK90	1.85	BK90	BK160	2.07	BK24	BK50	2.37	BK32	BK75	2.74	BK30	BK80
1.67	BK60	BK95	1.85	BK45	BK77	2.08	BK36	BK75	2.37	BK55	BK120	2.74	BK27	BK72
1.67	BK72	BK115	1.85	BK52	BK90	2.08	BK52	BK100	2.38	BK34	BK80	2.75	BK52	BK130
1.67	BK75	BK120	1.86	BK60	BK105	2.09	BK95	BK190	2.38	BK36	BK85	2.76	BK28	BK75
1.68	BK46	BK72	1.87	BK30	BK57	2.09	BK32	BK67	2.39	BK40	BK90	2.77	BK25	BK67
1.68	BK36	BK62	1.87	BK57	BK100	2.09	BK47	BK90	2.40	BK46	BK100	2.78	BK26	BK70
1.68	BK30	BK52	1.87	BK40	BK72	2.10	BK40	BK80	2.41	BK48	BK105	2.78	BK48	BK120
1.68	BK27	BK47	1.87	BK65	BK115	2.10	BK80	BK160	2.41	BK50	BK110	2.79	BK55	BK140
1.68	BK24	BK40	1.88	BK24	BK46	2.11	BK27	BK57	2.41	BK24	BK57	2.79	BK46	BK115
1.69	BK80	BK130	1.88	BK62	BK110	2.11	BK26	BK55	2.42	BK52	BK115	2.80	BK62	BK160
1.70	BK65	BK105	1.88	BK46	BK80	2.11	BK34	BK72	2.42	BK26	BK62	2.80	BK24	BK65
1.70	BK62	BK100	1.88	BK25	BK48	2.12	BK70	BK140	2.43	BK28	BK67	2.83	BK40	BK105
1.71	BK50	BK80	1.89	BK34	BK65	2.13	BK65	BK130	2.43	BK62	BK140	2.83	BK72	BK190
1.71	BK47	BK75	1.89	BK26	BK50	2.14	BK36	BK77	2.43	BK30	BK72	2.84	BK28	BK77
1.71	BK85	BK140	1.89	BK67	BK120	2.14	BK28	BK60	2.44	BK32	BK77	2.85	BK36	BK100
1.71	BK26	BK46	1.89	BK27	BK52	2.14	BK60	BK120	2.44	BK70	BK160	2.85	BK47	BK120
1.72	BK48	BK77	1.90	BK72	BK130	2.14	BK46	BK90	2.44	BK25	BK60	2.87	BK26	BK72
1.72	BK45	BK72	1.91	BK77	BK140	2.16	BK55	BK110	2.45	BK27	BK65	2.87	BK45	BK115
1.72	BK70	BK115	1.91	BK32	BK62	2.16	BK48	BK95	2.47	BK45	BK100	2.87	BK34	BK95
1.72	BK34	BK60	1.91	BK48	BK85	2.17	BK30	BK65	2.47	BK47	BK105	2.87	BK27	BK75
1.72	BK67	BK110	1.92	BK36	BK70	2.17	BK24	BK52	2.47	BK57	BK130	2.88	BK50	BK130
1.72	BK27	BK48	1.93	BK24	BK47	2.17	BK57	BK115	2.52	BK80	BK190	2.89	BK32	BK90
1.72	BK40	BK67	1.93	BK45	BK80	2.18	BK50	BK100	2.52	BK60	BK140	2.90	BK24	BK67
1.73	BK28	BK50	1.94	BK28	BK55	2.19	BK52	BK105	2.53	BK52	BK120	2.90	BK60	BK160
1.74	BK32	BK57	1.94	BK50	BK90	2.19	BK32	BK70	2.53	BK50	BK115	2.91	BK25	BK70
1.74	BK55	BK90	1.95	BK55	BK100	2.19	BK77	BK160	2.53	BK48	BK110	2.92	BK70	BK190
1.74	BK52	BK85	1.95	BK34	BK67	2.20	BK26	BK57	2.53	BK27	BK67	2.92	BK46	BK120
1.74	BK95	BK160	1.95	BK60	BK110	2.20	BK45	BK90	2.53	BK46	BK105	2.92	BK30	BK85
1.74	BK25	BK45	1.96	BK40	BK75	2.21	BK25	BK55	2.53	BK25	BK62	2.96	BK27	BK77
1.74	BK72	BK120	1.96	BK65	BK120	2.21	BK90	BK190	2.54	BK40	BK95	2.96	BK28	BK80
1.75	BK46	BK75	1.96	BK70	BK130	2.21	BK34	BK75	2.54	BK36	BK90	2.97	BK40	BK110
1.76	BK26	BK47	1.96	BK47	BK85	2.22	BK47	BK95	2.54	BK34	BK85	2.98	BK52	BK140
1.76	BK47	BK77	1.96	BK75	BK140	2.22	BK28	BK62	2.54	BK32	BK80	3.00	BK25	BK72
1.76	BK60	BK100	1.97	BK52	BK95	2.23	BK67	BK140	2.55	BK30	BK75	3.00	BK26	BK75
1.76	BK77	BK130	1.97	BK85	BK160	2.23	BK36	BK80	2.55	BK28	BK70	3.00	BK36	BK105

DRIVE RATIOS USING 4L, AP & AX BELTS IN BK SHEAVES

Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN
3.00	BK45	BK120	3.30	BK30	BK95	3.77	BK48	BK160	4.30	BK25	BK100	5.23	BK25	BK120
3.02	BK48	BK130	3.31	BK36	BK115	3.77	BK36	BK130	4.33	BK26	BK105	5.24	BK24	BK115
3.03	BK34	BK100	3.35	BK62	BK190	3.77	BK32	BK115	4.34	BK34	BK140	5.29	BK40	BK190
3.05	BK24	BK70	3.35	BK47	BK140	3.78	BK28	BK100	4.36	BK27	BK110	5.35	BK32	BK160
3.07	BK67	BK190	3.36	BK34	BK110	3.78	BK24	BK85	4.39	BK28	BK115	5.41	BK28	BK140
3.07	BK32	BK95	3.37	BK28	BK90	3.84	BK25	BK90	4.42	BK40	BK160	5.44	BK26	BK130
3.08	BK57	BK160	3.37	BK25	BK80	3.84	BK40	BK140	4.51	BK48	BK190	5.49	BK24	BK120
3.09	BK27	BK80	3.39	BK24	BK77	3.84	BK55	BK190	4.51	BK24	BK100	5.62	BK36	BK190
3.09	BK26	BK77	3.42	BK32	BK105	3.86	BK47	BK160	4.53	BK25	BK105	5.64	BK27	BK140
3.10	BK47	BK130	3.43	BK52	BK160	3.87	BK30	BK110	4.56	BK26	BK110	5.70	BK25	BK130
3.11	BK30	BK90	3.44	BK46	BK140	3.89	BK26	BK95	4.57	BK27	BK115	5.75	BK30	BK160
3.12	BK40	BK115	3.44	BK26	BK85	3.94	BK27	BK100	4.59	BK28	BK120	5.89	BK26	BK140
3.12	BK50	BK140	3.46	BK36	BK120	3.95	BK32	BK120	4.62	BK47	BK190	5.98	BK24	BK130
3.14	BK25	BK75	3.48	BK60	BK190	3.96	BK46	BK160	4.62	BK30	BK130	5.98	BK34	BK190
3.15	BK24	BK72	3.49	BK30	BK100	3.98	BK28	BK105	4.65	BK32	BK140	6.16	BK25	BK140
3.15	BK36	BK110	3.51	BK27	BK90	4.02	BK34	BK130	4.69	BK36	BK160	6.22	BK28	BK160
3.16	BK28	BK85	3.52	BK34	BK115	4.02	BK24	BK90	4.74	BK46	BK190	6.40	BK32	BK190
3.17	BK65	BK190	3.53	BK45	BK140	4.06	BK30	BK115	4.76	BK24	BK105	6.46	BK24	BK140
3.18	BK46	BK130	3.54	BK24	BK80	4.07	BK45	BK160	4.77	BK25	BK110	6.49	BK27	BK160
3.20	BK34	BK105	3.55	BK40	BK130	4.07	BK25	BK95	4.78	BK26	BK115	6.78	BK26	BK160
3.21	BK55	BK160	3.57	BK28	BK95	4.08	BK36	BK140	4.79	BK27	BK120	6.89	BK30	BK190
3.22	BK26	BK80	3.59	BK50	BK160	4.10	BK52	BK190	4.87	BK45	BK190	7.09	BK25	BK160
3.23	BK25	BK77	3.60	BK32	BK110	4.11	BK26	BK100	5.00	BK24	BK110	7.44	BK24	BK160
3.25	BK32	BK100	3.60	BK25	BK85	4.15	BK27	BK105	5.00	BK25	BK115	7.45	BK28	BK190
3.26	BK40	BK120	3.67	BK26	BK90	4.18	BK28	BK110	5.00	BK26	BK120	7.77	BK27	BK190
3.27	BK45	BK130	3.68	BK30	BK105	4.25	BK30	BK120	5.00	BK28	BK130	8.11	BK26	BK190
3.27	BK48	BK140	3.69	BK57	BK190	4.27	BK24	BK95	5.00	BK30	BK140	8.49	BK25	BK190
3.29	BK24	BK75	3.69	BK34	BK120	4.29	BK50	BK190	5.00	BK34	BK160	8.90	BK24	BK190
3.30	BK27	BK85	3.72	BK27	BK95	4.30	BK32	BK130	5.21	BK27	BK130			

DRIVE RATIOS USING 5L, BP & BX BELTS IN BK SHEAVES



An Altra Industrial Motion Company

Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN
1.00	BK19	BK19	1.05	BK105	BK110	1.13	BK36	BK45	1.22	BK70	BK85	1.32	BK80	BK105
1.00	BK22	BK22	1.05	BK62	BK65	1.13	BK55	BK62	1.22	BK115	BK140	1.32	BK32	BK47
1.00	BK23	BK23	1.05	BK100	BK105	1.13	BK115	BK130	1.22	BK34	BK46	1.32	BK40	BK55
1.00	BK24	BK24	1.05	BK36	BK40	1.13	BK28	BK32	1.22	BK47	BK57	1.33	BK57	BK75
1.00	BK25	BK25	1.05	BK95	BK100	1.13	BK62	BK70	1.23	BK55	BK67	1.33	BK72	BK95
1.00	BK26	BK26	1.05	BK57	BK60	1.14	BK46	BK52	1.23	BK90	BK110	1.33	BK19	BK26
1.00	BK27	BK27	1.06	BK34	BK36	1.14	BK75	BK85	1.23	BK24	BK30	1.33	BK22	BK30
1.00	BK28	BK28	1.06	BK90	BK95	1.14	BK19	BK22	1.23	BK45	BK55	1.33	BK25	BK34
1.00	BK30	BK30	1.06	BK32	BK34	1.14	BK26	BK30	1.24	BK57	BK70	1.33	BK28	BK40
1.00	BK32	BK32	1.06	BK52	BK55	1.15	BK57	BK65	1.24	BK19	BK24	1.33	BK34	BK50
1.00	BK34	BK34	1.06	BK85	BK90	1.15	BK50	BK57	1.24	BK65	BK80	1.33	BK47	BK62
1.00	BK36	BK36	1.06	BK30	BK32	1.15	BK105	BK120	1.24	BK77	BK95	1.34	BK105	BK140
1.00	BK40	BK40	1.06	BK80	BK85	1.15	BK70	BK80	1.24	BK27	BK34	1.34	BK90	BK120
1.00	BK45	BK45	1.07	BK28	BK30	1.15	BK40	BK48	1.24	BK85	BK105	1.34	BK75	BK100
1.00	BK46	BK46	1.07	BK47	BK50	1.15	BK48	BK55	1.24	BK105	BK130	1.34	BK30	BK45
1.00	BK47	BK47	1.07	BK75	BK80	1.15	BK100	BK115	1.25	BK22	BK28	1.34	BK60	BK80
1.00	BK48	BK48	1.07	BK45	BK48	1.15	BK24	BK28	1.25	BK30	BK40	1.35	BK45	BK60
1.00	BK50	BK50	1.07	BK26	BK28	1.15	BK67	BK77	1.25	BK34	BK47	1.35	BK32	BK48
1.00	BK52	BK52	1.07	BK72	BK77	1.16	BK36	BK46	1.25	BK40	BK52	1.35	BK67	BK90
1.00	BK55	BK55	1.07	BK70	BK75	1.16	BK65	BK75	1.25	BK46	BK57	1.35	BK50	BK67
1.00	BK57	BK57	1.07	BK25	BK27	1.16	BK23	BK27	1.25	BK50	BK62	1.36	BK26	BK36
1.00	BK60	BK60	1.07	BK40	BK45	1.16	BK52	BK60	1.25	BK62	BK77	1.36	BK23	BK32
1.00	BK62	BK62	1.08	BK24	BK26	1.16	BK95	BK110	1.26	BK80	BK100	1.36	BK52	BK70
1.00	BK65	BK65	1.08	BK67	BK72	1.16	BK45	BK52	1.26	BK72	BK90	1.36	BK85	BK115
1.00	BK67	BK67	1.08	BK65	BK70	1.17	BK22	BK26	1.26	BK25	BK32	1.36	BK46	BK62
1.00	BK70	BK70	1.08	BK23	BK25	1.17	BK62	BK72	1.26	BK60	BK75	1.36	BK57	BK77
1.00	BK72	BK72	1.08	BK22	BK24	1.17	BK90	BK105	1.26	BK52	BK65	1.37	BK70	BK95
1.00	BK75	BK75	1.08	BK62	BK67	1.17	BK27	BK32	1.26	BK48	BK60	1.37	BK48	BK65
1.00	BK77	BK77	1.09	BK60	BK65	1.17	BK60	BK70	1.26	BK36	BK50	1.37	BK77	BK105
1.00	BK80	BK80	1.09	BK48	BK52	1.17	BK77	BK90	1.26	BK32	BK45	1.37	BK30	BK46
1.00	BK85	BK85	1.09	BK46	BK50	1.18	BK32	BK40	1.27	BK28	BK36	1.37	BK40	BK57
1.00	BK90	BK90	1.09	BK57	BK62	1.18	BK47	BK55	1.27	BK95	BK120	1.38	BK95	BK130
1.00	BK95	BK95	1.09	BK110	BK120	1.18	BK85	BK100	1.27	BK57	BK72	1.38	BK55	BK75
1.00	BK100	BK100	1.09	BK55	BK60	1.18	BK57	BK67	1.27	BK75	BK95	1.38	BK27	BK40
1.00	BK105	BK105	1.10	BK105	BK115	1.18	BK36	BK47	1.28	BK67	BK85	1.38	BK19	BK27
1.00	BK110	BK110	1.10	BK40	BK46	1.18	BK25	BK30	1.28	BK34	BK48	1.38	BK62	BK85
1.00	BK115	BK115	1.10	BK52	BK57	1.18	BK110	BK130	1.28	BK110	BK140	1.38	BK24	BK34
1.02	BK47	BK48	1.10	BK100	BK110	1.19	BK72	BK85	1.28	BK45	BK57	1.38	BK80	BK110
1.02	BK46	BK47	1.10	BK70	BK77	1.19	BK30	BK36	1.28	BK23	BK30	1.39	BK34	BK52
1.02	BK45	BK46	1.10	BK27	BK30	1.19	BK55	BK65	1.28	BK55	BK70	1.39	BK36	BK55
1.03	BK75	BK77	1.10	BK50	BK55	1.19	BK19	BK23	1.28	BK90	BK115	1.39	BK45	BK62
1.03	BK70	BK72	1.11	BK77	BK85	1.19	BK65	BK77	1.28	BK19	BK25	1.40	BK65	BK90
1.03	BK65	BK67	1.11	BK95	BK105	1.19	BK80	BK95	1.28	BK26	BK34	1.40	BK115	BK160
1.03	BK27	BK28	1.11	BK25	BK28	1.19	BK34	BK45	1.29	BK47	BK60	1.40	BK47	BK65
1.03	BK60	BK62	1.11	BK34	BK40	1.20	BK48	BK57	1.29	BK60	BK77	1.40	BK52	BK72
1.04	BK26	BK27	1.11	BK47	BK52	1.20	BK23	BK28	1.29	BK32	BK46	1.40	BK72	BK100
1.04	BK25	BK26	1.11	BK65	BK72	1.20	BK28	BK34	1.29	BK70	BK90	1.40	BK30	BK47
1.04	BK55	BK57	1.11	BK90	BK100	1.20	BK40	BK50	1.30	BK52	BK67	1.41	BK25	BK36
1.04	BK24	BK25	1.11	BK72	BK80	1.20	BK52	BK62	1.30	BK62	BK80	1.41	BK100	BK140
1.04	BK23	BK24	1.11	BK24	BK27	1.20	BK67	BK80	1.30	BK85	BK110	1.41	BK32	BK50
1.04	BK77	BK80	1.12	BK45	BK50	1.20	BK100	BK120	1.30	BK48	BK62	1.41	BK75	BK105
1.04	BK22	BK23	1.12	BK32	BK36	1.20	BK46	BK55	1.31	BK100	BK130	1.41	BK48	BK67
1.04	BK50	BK52	1.12	BK23	BK26	1.21	BK75	BK90	1.31	BK77	BK100	1.41	BK55	BK77
1.04	BK72	BK75	1.12	BK85	BK95	1.21	BK60	BK72	1.31	BK24	BK32	1.41	BK22	BK32
1.04	BK48	BK50	1.12	BK60	BK67	1.21	BK22	BK27	1.31	BK27	BK36	1.42	BK50	BK70
1.04	BK115	BK120	1.12	BK67	BK75	1.21	BK50	BK60	1.31	BK50	BK65	1.42	BK57	BK80
1.05	BK46	BK48	1.12	BK22	BK25	1.21	BK36	BK48	1.31	BK36	BK52	1.42	BK85	BK120
1.05	BK67	BK70	1.12	BK30	BK34	1.21	BK26	BK32	1.32	BK65	BK85	1.43	BK19	BK28
1.05	BK110	BK115	1.12	BK40	BK47	1.21	BK95	BK115	1.32	BK46	BK60	1.43	BK26	BK40
1.05	BK45	BK47	1.13	BK80	BK90	1.22	BK62	BK75	1.32	BK55	BK72	1.43	BK67	BK95

DRIVE RATIOS USING 5L, BP & BX BELTS IN BK SHEAVES

Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN
1.43	BK60	BK85	1.55	BK47	BK72	1.69	BK57	BK95	1.84	BK36	BK72	2.03	BK60	BK120
1.43	BK46	BK65	1.55	BK65	BK100	1.69	BK48	BK80	1.84	BK24	BK50	2.03	BK24	BK55
1.43	BK28	BK45	1.56	BK32	BK55	1.70	BK45	BK75	1.84	BK47	BK85	2.04	BK55	BK110
1.44	BK30	BK48	1.56	BK52	BK80	1.70	BK40	BK70	1.85	BK55	BK100	2.04	BK50	BK100
1.44	BK23	BK34	1.56	BK30	BK52	1.70	BK95	BK160	1.85	BK25	BK52	2.04	BK19	BK45
1.44	BK77	BK110	1.56	BK50	BK77	1.70	BK25	BK48	1.85	BK32	BK65	2.04	BK45	BK90
1.44	BK70	BK100	1.56	BK55	BK85	1.70	BK46	BK77	1.86	BK52	BK95	2.05	BK36	BK80
1.44	BK47	BK67	1.57	BK90	BK140	1.70	BK32	BK60	1.86	BK60	BK110	2.05	BK57	BK115
1.45	BK36	BK57	1.57	BK26	BK46	1.71	BK77	BK130	1.87	BK22	BK47	2.05	BK32	BK72
1.45	BK80	BK115	1.57	BK77	BK120	1.71	BK36	BK67	1.87	BK57	BK105	2.06	BK52	BK105
1.45	BK40	BK60	1.57	BK40	BK65	1.71	BK19	BK34	1.87	BK65	BK120	2.06	BK47	BK95
1.45	BK90	BK130	1.58	BK36	BK62	1.71	BK26	BK50	1.87	BK30	BK62	2.06	BK27	BK62
1.46	BK50	BK72	1.58	BK45	BK70	1.71	BK65	BK110	1.87	BK40	BK77	2.07	BK26	BK60
1.46	BK52	BK75	1.58	BK22	BK36	1.72	BK62	BK105	1.88	BK70	BK130	2.07	BK40	BK85
1.46	BK24	BK36	1.58	BK67	BK105	1.72	BK30	BK57	1.88	BK62	BK115	2.08	BK22	BK52
1.46	BK110	BK160	1.58	BK27	BK48	1.72	BK23	BK45	1.88	BK46	BK85	2.08	BK34	BK77
1.46	BK45	BK65	1.59	BK48	BK75	1.72	BK27	BK52	1.89	BK34	BK70	2.09	BK19	BK46
1.46	BK28	BK46	1.59	BK70	BK110	1.73	BK24	BK47	1.89	BK26	BK55	2.10	BK28	BK65
1.47	BK62	BK90	1.59	BK46	BK72	1.73	BK50	BK85	1.89	BK75	BK140	2.10	BK77	BK160
1.47	BK32	BK52	1.59	BK25	BK45	1.73	BK47	BK80	1.89	BK27	BK57	2.11	BK24	BK57
1.47	BK34	BK55	1.60	BK23	BK40	1.73	BK70	BK120	1.90	BK19	BK40	2.11	BK46	BK95
1.47	BK55	BK80	1.60	BK28	BK50	1.74	BK67	BK115	1.90	BK85	BK160	2.11	BK23	BK55
1.47	BK72	BK105	1.60	BK57	BK90	1.74	BK110	BK190	1.91	BK32	BK67	2.12	BK30	BK70
1.48	BK65	BK95	1.60	BK60	BK95	1.74	BK45	BK77	1.91	BK48	BK90	2.12	BK67	BK140
1.48	BK46	BK67	1.60	BK26	BK47	1.75	BK34	BK65	1.91	BK22	BK48	2.13	BK48	BK100
1.48	BK48	BK70	1.61	BK34	BK60	1.75	BK40	BK72	1.92	BK23	BK50	2.13	BK55	BK115
1.48	BK75	BK110	1.61	BK100	BK160	1.75	BK75	BK130	1.92	BK100	BK190	2.13	BK62	BK130
1.48	BK25	BK40	1.61	BK72	BK115	1.75	BK55	BK95	1.92	BK36	BK75	2.13	BK90	BK190
1.48	BK27	BK45	1.62	BK19	BK32	1.76	BK23	BK46	1.92	BK24	BK52	2.14	BK19	BK47
1.48	BK95	BK140	1.62	BK32	BK57	1.76	BK52	BK90	1.93	BK45	BK85	2.14	BK26	BK62
1.50	BK22	BK34	1.62	BK75	BK120	1.76	BK32	BK62	1.93	BK28	BK60	2.14	BK25	BK60
1.50	BK28	BK47	1.62	BK47	BK75	1.76	BK28	BK55	1.93	BK50	BK95	2.14	BK32	BK75
1.50	BK30	BK50	1.62	BK40	BK67	1.77	BK24	BK48	1.94	BK34	BK72	2.14	BK50	BK105
1.50	BK40	BK62	1.62	BK50	BK80	1.77	BK80	BK140	1.94	BK55	BK105	2.14	BK57	BK120
1.50	BK52	BK77	1.63	BK45	BK72	1.77	BK46	BK80	1.95	BK60	BK115	2.16	BK52	BK110
1.51	BK77	BK115	1.63	BK25	BK46	1.77	BK25	BK50	1.95	BK40	BK80	2.16	BK45	BK95
1.51	BK67	BK100	1.63	BK48	BK77	1.77	BK60	BK105	1.95	BK47	BK90	2.16	BK28	BK67
1.51	BK57	BK85	1.63	BK62	BK100	1.78	BK57	BK100	1.96	BK52	BK100	2.16	BK75	BK160
1.51	BK47	BK70	1.63	BK65	BK105	1.78	BK26	BK52	1.96	BK25	BK55	2.16	BK34	BK80
1.51	BK45	BK67	1.64	BK26	BK48	1.79	BK36	BK70	1.96	BK26	BK57	2.17	BK27	BK65
1.51	BK80	BK120	1.64	BK80	BK130	1.79	BK22	BK45	1.96	BK57	BK110	2.17	BK47	BK100
1.51	BK70	BK105	1.65	BK24	BK45	1.79	BK65	BK115	1.96	BK62	BK120	2.18	BK36	BK85
1.51	BK27	BK46	1.65	BK27	BK50	1.79	BK90	BK160	1.96	BK30	BK65	2.18	BK30	BK72
1.52	BK60	BK90	1.65	BK30	BK55	1.80	BK23	BK47	1.97	BK67	BK130	2.18	BK19	BK48
1.52	BK23	BK36	1.66	BK36	BK65	1.80	BK62	BK110	1.97	BK72	BK140	2.19	BK65	BK140
1.52	BK50	BK75	1.66	BK46	BK75	1.80	BK48	BK85	1.97	BK36	BK77	2.19	BK23	BK57
1.52	BK48	BK72	1.66	BK52	BK85	1.80	BK34	BK67	1.99	BK22	BK50	2.20	BK40	BK90
1.52	BK19	BK30	1.66	BK55	BK90	1.80	BK19	BK36	1.99	BK23	BK52	2.20	BK32	BK77
1.52	BK36	BK60	1.66	BK67	BK110	1.81	BK30	BK60	2.00	BK27	BK60	2.20	BK22	BK55
1.53	BK34	BK57	1.66	BK70	BK115	1.81	BK45	BK80	2.00	BK28	BK62	2.20	BK60	BK130
1.53	BK28	BK48	1.66	BK85	BK140	1.81	BK67	BK120	2.00	BK32	BK70	2.22	BK25	BK62
1.53	BK26	BK45	1.66	BK115	BK190	1.82	BK40	BK75	2.00	BK46	BK90	2.22	BK55	BK120
1.53	BK105	BK160	1.66	BK22	BK40	1.82	BK27	BK55	2.02	BK48	BK95	2.22	BK46	BK100
1.54	BK24	BK40	1.66	BK25	BK47	1.82	BK105	BK190	2.02	BK95	BK190	2.22	BK24	BK60
1.54	BK85	BK130	1.66	BK28	BK52	1.83	BK72	BK130	2.02	BK80	BK160	2.24	BK48	BK105
1.54	BK72	BK110	1.66	BK34	BK62	1.83	BK22	BK46	2.02	BK34	BK75	2.24	BK27	BK67
1.54	BK46	BK70	1.66	BK47	BK77	1.83	BK28	BK57	2.03	BK30	BK67	2.24	BK26	BK65
1.55	BK75	BK115	1.68	BK72	BK120	1.83	BK50	BK90	2.03	BK70	BK140	2.25	BK50	BK110
1.55	BK62	BK95	1.69	BK60	BK100	1.84	BK23	BK48	2.03	BK65	BK130	2.25	BK72	BK160
1.55	BK27	BK47	1.69	BK24	BK46	1.84	BK77	BK140	2.03	BK25	BK57	2.26	BK52	BK115

DRIVE RATIOS USING 5L, BP & BX BELTS IN BK SHEAVES



An Altra Industrial Motion Company

Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN	Ratio	DR	DN
2.26	BK28	BK70	2.51	BK23	BK65	2.88	BK24	BK77	3.43	BK48	BK160	4.30	BK30	BK140
2.26	BK85	BK190	2.51	BK19	BK55	2.88	BK25	BK80	3.43	BK25	BK95	4.30	BK23	BK110
2.28	BK45	BK100	2.56	BK52	BK130	2.89	BK67	BK190	3.44	BK40	BK140	4.33	BK24	BK115
2.28	BK30	BK75	2.56	BK48	BK120	2.90	BK30	BK95	3.45	BK22	BK85	4.35	BK25	BK120
2.28	BK19	BK50	2.56	BK46	BK115	2.90	BK46	BK130	3.46	BK19	BK75	4.36	BK45	BK190
2.28	BK22	BK57	2.57	BK40	BK105	2.91	BK22	BK72	3.46	BK32	BK120	4.38	BK34	BK160
2.29	BK47	BK105	2.57	BK75	BK190	2.91	BK23	BK75	3.49	BK26	BK100	4.40	BK27	BK130
2.29	BK32	BK80	2.57	BK36	BK100	2.92	BK28	BK90	3.50	BK47	BK160	4.41	BK19	BK95
2.30	BK62	BK140	2.58	BK34	BK95	2.94	BK40	BK120	3.51	BK23	BK90	4.48	BK22	BK110
2.30	BK34	BK85	2.58	BK27	BK77	2.96	BK26	BK85	3.52	BK30	BK115	4.50	BK23	BK115
2.30	BK24	BK62	2.58	BK32	BK90	2.97	BK36	BK115	3.54	BK27	BK105	4.52	BK24	BK120
2.31	BK36	BK90	2.58	BK25	BK72	2.97	BK45	BK130	3.54	BK55	BK190	4.55	BK26	BK130
2.31	BK23	BK60	2.59	BK30	BK85	2.98	BK55	BK160	3.55	BK34	BK130	4.58	BK28	BK140
2.32	BK26	BK67	2.59	BK23	BK67	2.98	BK65	BK190	3.56	BK19	BK77	4.63	BK32	BK160
2.32	BK40	BK95	2.59	BK28	BK80	2.99	BK19	BK65	3.56	BK24	BK95	4.64	BK19	BK100
2.32	BK70	BK160	2.60	BK26	BK75	2.99	BK23	BK77	3.58	BK46	BK160	4.69	BK40	BK190
2.32	BK57	BK130	2.60	BK55	BK140	2.99	BK24	BK80	3.59	BK28	BK110	4.69	BK22	BK115
2.33	BK25	BK65	2.61	BK24	BK70	2.99	BK34	BK110	3.62	BK25	BK100	4.70	BK23	BK120
2.33	BK28	BK72	2.61	BK19	BK57	2.99	BK48	BK140	3.62	BK36	BK140	4.72	BK25	BK130
2.34	BK46	BK105	2.62	BK22	BK65	3.02	BK32	BK105	3.65	BK22	BK90	4.74	BK27	BK140
2.34	BK30	BK77	2.62	BK47	BK120	3.03	BK27	BK90	3.67	BK26	BK105	4.88	BK19	BK105
2.34	BK27	BK70	2.62	BK45	BK115	3.03	BK22	BK75	3.67	BK45	BK160	4.90	BK22	BK120
2.34	BK48	BK110	2.63	BK62	BK160	3.05	BK30	BK100	3.68	BK30	BK120	4.90	BK24	BK130
2.35	BK50	BK115	2.66	BK50	BK130	3.06	BK47	BK140	3.70	BK19	BK80	4.91	BK26	BK140
2.36	BK52	BK120	2.67	BK26	BK77	3.06	BK25	BK85	3.71	BK23	BK95	4.92	BK30	BK160
2.37	BK19	BK52	2.68	BK46	BK120	3.08	BK19	BK67	3.71	BK27	BK110	4.93	BK36	BK190
2.38	BK60	BK140	2.68	BK27	BK80	3.09	BK28	BK95	3.75	BK52	BK190	5.09	BK25	BK140
2.39	BK45	BK105	2.68	BK72	BK190	3.10	BK36	BK120	3.75	BK32	BK130	5.10	BK23	BK130
2.39	BK23	BK62	2.68	BK24	BK72	3.11	BK23	BK80	3.75	BK28	BK115	5.12	BK19	BK110
2.40	BK47	BK110	2.69	BK40	BK110	3.11	BK22	BK77	3.76	BK24	BK100	5.21	BK34	BK190
2.40	BK25	BK67	2.70	BK25	BK75	3.13	BK62	BK190	3.80	BK25	BK105	5.25	BK28	BK160
2.41	BK27	BK72	2.70	BK22	BK67	3.13	BK46	BK140	3.82	BK34	BK140	5.29	BK24	BK140
2.41	BK80	BK190	2.70	BK36	BK105	3.13	BK34	BK115	3.84	BK26	BK110	5.31	BK22	BK130
2.41	BK22	BK60	2.71	BK23	BK70	3.13	BK26	BK90	3.86	BK22	BK95	5.35	BK19	BK115
2.41	BK55	BK130	2.72	BK34	BK100	3.15	BK52	BK160	3.88	BK27	BK115	5.43	BK27	BK160
2.42	BK24	BK65	2.72	BK60	BK160	3.17	BK32	BK110	3.90	BK23	BK100	5.50	BK23	BK140
2.42	BK26	BK70	2.73	BK32	BK95	3.18	BK24	BK85	3.91	BK50	BK190	5.51	BK32	BK190
2.43	BK28	BK75	2.74	BK45	BK120	3.19	BK40	BK130	3.92	BK28	BK120	5.59	BK19	BK120
2.43	BK67	BK160	2.74	BK30	BK90	3.20	BK27	BK95	3.93	BK19	BK85	5.62	BK26	BK160
2.43	BK30	BK80	2.75	BK19	BK60	3.20	BK45	BK140	3.94	BK40	BK160	5.72	BK22	BK140
2.44	BK32	BK85	2.76	BK52	BK140	3.21	BK30	BK105	3.95	BK24	BK105	5.83	BK25	BK160
2.44	BK34	BK90	2.76	BK28	BK85	3.22	BK19	BK70	3.99	BK25	BK110	5.86	BK30	BK190
2.44	BK36	BK95	2.76	BK70	BK190	3.24	BK60	BK190	3.99	BK30	BK130	6.05	BK24	BK160
2.45	BK40	BK100	2.77	BK25	BK77	3.24	BK22	BK80	4.02	BK26	BK115	6.06	BK19	BK130
2.45	BK46	BK110	2.78	BK26	BK80	3.25	BK25	BK90	4.05	BK32	BK140	6.24	BK28	BK190
2.45	BK48	BK115	2.78	BK48	BK130	3.26	BK28	BK100	4.06	BK27	BK120	6.29	BK23	BK160
2.45	BK50	BK120	2.79	BK23	BK72	3.27	BK34	BK120	4.07	BK22	BK100	6.46	BK27	BK190
2.49	BK22	BK62	2.80	BK24	BK75	3.29	BK50	BK160	4.08	BK48	BK190	6.54	BK19	BK140
2.49	BK24	BK67	2.82	BK40	BK115	3.31	BK23	BK85	4.10	BK23	BK105	6.55	BK22	BK160
2.49	BK26	BK72	2.82	BK22	BK70	3.31	BK26	BK95	4.14	BK24	BK110	6.69	BK26	BK190
2.49	BK28	BK77	2.84	BK36	BK110	3.31	BK32	BK115	4.15	BK36	BK160	6.93	BK25	BK190
2.50	BK77	BK190	2.84	BK47	BK130	3.32	BK19	BK72	4.17	BK47	BK190	7.20	BK24	BK190
2.50	BK65	BK160	2.85	BK19	BK62	3.36	BK36	BK130	4.17	BK25	BK115	7.48	BK19	BK160
2.51	BK57	BK140	2.85	BK27	BK85	3.37	BK30	BK110	4.17	BK19	BK90	7.49	BK23	BK190
2.51	BK47	BK115	2.85	BK34	BK105	3.37	BK27	BK100	4.20	BK26	BK120	7.80	BK22	BK190
2.51	BK45	BK110	2.87	BK57	BK160	3.37	BK24	BK90	4.25	BK28	BK130	8.90	BK19	BK190
2.51	BK27	BK75	2.87	BK50	BK140	3.41	BK57	BK190	4.26	BK46	BK190			
2.51	BK25	BK70	2.88	BK32	BK100	3.42	BK28	BK105	4.27	BK22	BK105			



HP RATINGS - 3L, 4L, 5L BELTS

	1750		3500	
	3L	4L	3L	4L
AK15	...	...	...	...
AK16	...	...	...	...
AK17	...	0.01	...	...
AK18	...	0.07	...	...
AK19	...	0.14	...	...
AK20	0.18	0.20	0.26	0.07
AK21	0.21	0.26	0.31	0.16
AK22	0.24	0.32	0.36	0.25
AK23	0.27	0.39	0.42	0.33
AK24	0.30	0.45	0.47	0.41
AK25	0.33	0.50	0.51	0.49
AK26	0.36	0.56	0.56	0.57
AK27	0.38	0.62	0.61	0.63
AK28	0.41	0.68	0.66	0.70
AK30	0.47	0.79	0.74	0.81
AK32	0.53	0.90	0.83	0.91
AK34	0.58	1.01	0.91	0.99
AK35	0.61	1.06	0.94	1.02
AK39	0.66	1.16	1.02	1.06
AK41	0.72	1.26	1.08	1.09
AK44	0.79	1.40	1.17	1.07
AK46	0.84	1.49	1.22	1.03
AK49		1.62		0.93
AK51		1.70		0.82
AK54		1.81		0.60
AK56		1.88		0.42
AK59		1.98		0.08
AK61		2.04		
AK64		2.12		
AK66		2.17		
AK69		2.23		
AK71		2.26		
AK74		2.30		

 Consult Factory

	1750		3500	
	4L	5L	4L	5L
BK19	...	...	...	...
BK22	0.07	...	...	...
BK23	0.14	...	...	...
BK24	0.20	0.03	0.07	...
BK25	0.26	0.14	0.16	...
BK26	0.32	0.24	0.25	...
BK27	0.39	0.34	0.33	...
BK28	0.45	0.44	0.41	0.14
BK30	0.56	0.64	0.57	0.45
BK32	0.68	0.84	0.70	0.74
BK34	0.79	1.04	0.81	1.02
BK36	0.90	1.23	0.91	1.28
BK40	1.01	1.42	0.99	1.53
BK45	1.16	1.70	1.06	1.86
BK46	1.21	1.79	1.08	1.97
BK47	1.26	1.88	1.09	2.07
BK48	1.31	1.97	1.09	2.16
BK50	1.40	2.15	1.07	2.34
BK52	1.49	2.32	1.03	2.49
BK55	1.62	2.58	0.93	2.69
BK57	1.70	2.75	0.82	2.79
BK60	1.81	2.99	0.60	2.91
BK62	1.88	3.15	0.42	2.96
BK65	1.98	3.38	0.08	2.98
BK67	2.04	3.53		2.97
BK70	2.12	3.75		2.91
BK72	2.17	3.89		2.83
BK75	2.23	4.10		2.66
BK77	2.26	4.23		2.52
BK80	2.30	4.42		2.24
BK85		4.71		1.63
BK90		4.98		0.82
BK95		5.22		
BK100		5.44		

HP RATINGS – “A & B” BELTS



An Altra Industrial Motion Company

	1750		3500	
	AP	AX	AP	AX
AK15	...	...	...	...
AK16	...	...	...	...
AK17	...	...	...	...
AK18	...	...	...	...
AK19	...	0.09	...	...
AK20	...	0.29	...	...
AK21	0.06	0.48	...	0.29
AK22	0.26	0.68	...	0.64
AK23	0.45	0.87	0.11	0.99
AK24	0.64	1.06	0.44	1.33
AK25	0.83	1.25	0.78	1.67
AK26	1.02	1.44	1.11	2.01
AK27	1.21	1.63	1.44	2.35
AK28	1.39	1.82	1.76	2.68
AK30	1.77	2.19	2.40	3.33
AK32	2.13	2.57	3.02	3.98
AK34	2.50	2.93	3.63	4.61
AK35	2.68	3.11	3.93	4.92
AK39	3.04	3.48	4.51	5.53
AK41	3.39	3.84	5.08	6.13
AK44	3.92	4.37	5.91	7.00
AK46	4.26	4.72	6.44	7.57
AK49	4.78	5.24	7.20	8.39
AK51	5.11	5.58	7.68	8.92
AK54	5.61	6.09	8.38	9.69
AK56	5.94	6.43	8.82	10.18
AK59	6.43	6.93	9.44	10.89
AK61	6.75	7.25	9.83	11.35
AK64	7.22	7.74	10.38	12.00
AK66	7.53	8.06	10.71	12.41
AK69	7.99	8.54	...	...
AK71	8.29	8.85	...	...
AK74	8.73	9.31	...	...

	1750				3500			
	AP	AX	BP	BX	AP	AX	BP	BX
BK19	...	...	...	...	...	...	...	...
BK22	...	...	...	...	...	...	...	...
BK23	...	0.09	...	...	...	...	...	...
BK24	...	0.29	0.16	...	...	...	...	...
BK25	0.06	0.48	...	0.48	...	0.29	...	...
BK26	0.26	0.68	...	0.78	...	0.64	...	0.20
BK27	0.45	0.87	...	1.09	0.11	0.99	...	0.75
BK28	0.64	1.06	...	1.40	0.44	1.33	...	1.29
BK30	1.02	1.44	0.37	2.01	1.11	2.01	...	2.36
BK32	1.39	1.82	0.95	2.61	1.76	2.68	...	3.41
BK34	1.77	2.19	1.53	3.21	2.40	3.33	0.73	4.44
BK36	2.13	2.57	2.10	3.81	3.02	3.98	1.65	5.45
BK40	2.50	2.93	2.66	4.40	3.63	4.61	2.55	6.44
BK45	3.04	3.48	3.50	5.27	4.51	5.53	3.86	7.89
BK46	3.21	3.66	3.78	5.56	4.80	5.83	4.28	8.36
BK47	3.39	3.84	4.05	5.85	5.08	6.13	4.69	8.82
BK48	3.57	4.01	4.32	6.14	5.36	6.42	5.10	9.28
BK50	3.92	4.37	4.87	6.71	5.91	7.00	5.89	10.18
BK52	4.26	4.72	5.40	7.28	6.44	7.57	6.65	11.06
BK55	4.78	5.24	6.20	8.12	7.20	8.39	7.74	12.33
BK57	5.11	5.58	6.72	8.67	7.68	8.92	8.43	13.15
BK60	5.61	6.09	7.50	9.49	8.38	9.69	9.40	14.32
BK62	5.94	6.43	8.00	10.04	8.82	10.18	10.00	15.07
BK65	6.43	6.93	8.76	10.84	9.44	10.89	10.85	16.15
BK67	6.75	7.25	9.25	11.37	9.83	11.35	11.37	16.83
BK70	7.22	7.74	9.98	12.16	10.38	12.00	12.08	17.80
BK72	7.53	8.06	10.46	12.68	10.71	12.41	12.51	18.41
BK75	7.99	8.54	11.17	13.45	...	...	...	...
BK77	8.29	8.85	11.63	13.95	...	...	...	...
BK80	8.73	9.31	12.31	14.70	...	...	...	...
BK85			13.42	15.92	...	...	...	...
BK90			14.48	17.11	...	...	...	...
BK95			15.51	18.26	...	...	...	...
BK100			16.48	19.38	...	...	...	...

3L, 4L, 5L BELT SERVICE FACTORS

Type of DriveN Unit	Speed Ratio	
	Less Than 1.5	1.5 and Over
Fans and Blowers	1.0	0.9
Domestic Laundry Machines	1.1	1.0
Centrifugal Pumps	1.1	1.0
Generators	1.2	1.1
Rotary Compressors	1.2	1.1
Machine Tools	1.3	1.2
Reciprocating Pumps	1.4	1.3
Reciprocating Compressors	1.4	1.3
Wood Working Machines	1.4	1.3

BELT SECTION SELECTION

Maximum Motor Ratings Single Groove	Use
1/2 hp	3L
1 hp	4L
3	5L
5	A
7.5	B

dual groove = 2 times single groove

NEMA Minimum Motor Sheave Recommendation

Motor Horsepower	MOTOR RPM			
	870	1160	1750	3500
1/2	2.2	...	...	...
3/4	2.4	2.2	...	...
1	2.4	2.4	2.2	...
1-1/2	2.4	2.4	2.4	2.2
2	3.0	2.4	2.4	2.4
3	3.0	3.0	2.4	2.4
5	3.8	3.0	3.0	2.4
7-1/2	4.4	3.8	3.0	3.0
10	4.4	4.4	3.8	3.0
15	5.2	4.4	4.4	3.8
20	6.0	5.2	4.4	4.4
25	6.8	6.0	4.4	4.4
30	6.8	6.8	5.2	...
40	8.2	6.8	6.0	...
50	8.4	8.2	6.8	...
60	10.0	8.2	7.4	...
75	10.0	10.0	8.6	...
100	12.0	10.0	8.6	...
125	...	12.0	10.5	...
150	...	...	10.5	...
200	...	...	13.2	...
250	...	...	...	...
300	...	...	...	...

Approximate Belt Length Calculation

$$BL = 1.571 (D1 + D2) + 2 CD$$

D1 & D2 = Sheave Diameters CD = Center Distance

SERVICE FACTOR - LIGHT-DUTY DRIVES USING A & B BELTING

SERVICE FACTORS

DRIVEN MACHINE See Note 1	DRIVER					
	AC Normal Torque Electric Motor (NEMA Design A-B) See Note 2			AC High Torque Electric Motor (NEMA Design C-D) See Note 3		
	Intermittent Service See Note 4	Normal Service See Note 5	Continuous Service See Note 6	Intermittent Service See Note 4	Normal Service See Note 5	Continuous Service See Note 6
Agitators for Liquids	1.0	1.1	1.2	1.1	1.2	1.3
Blowers and Exhausters						
Centrifugal Pumps and Compressors						
Conveyors (Light Duty)						
Fans (up to 10 H.P.)						
Belt Conveyors for Sand, Grain, etc.	1.1	1.2	1.3	1.2	1.3	1.4
Fans (over 10 H.P.)						
Generators						
Laundry Machinery						
Line Shafts						
Machine Tools						
Mixers (Dough)						
Positive Displacement Rotary Pumps						
Printing Machinery						
Punches-Presses-Shears See Note 1						
Revolving and Vibrating Screens						
Blowers (Positive Displacement)	1.2	1.3	1.4	1.4	1.5	1.6
Brick Machinery						
Compressors (Piston) See Note 1						
Conveyors (Drag-Pan-Screw)						
Elevators (Bucket)						
Exciters						
Hammer Mills						
Paper Mill Beaters						
Pulverizers						
Pumps (Piston)						
Saw Mill and Woodworking Machinery						
Textile Machinery						
Crushers (Gyratory-Jaw-Roll) See Note 1 . . . . .							1.3	1.4	1.5	1.5	1.6	1.8
Mills (Ball-Rod-Tube) See Note 1						
Hoists See Note 1						
Rubber Calenders-Extruders-Mills See Note 1						

- Note 1** The Driven Machines listed above are representative samples only. When one of the sheaves of the drive is used as a flywheel to reduce speed fluctuations and equalize the energy exerted at the shaft or for applications involving impact or jam loads specially constructed sheaves may be required. Consult the manufacturer.
- Note 2** Included under this heading are the following electric motors: Synchronous and Squirrel Cage AC Normal Torque, AC Split Phase, DC Shunt Wound and Internal Combustion Engines.
- Note 3** Included under this heading are the following electric motors: AC High Torque, AC Hi-Slip, AC Repulsion, Induction, AC Single Phase Series Wound, AC Slip Ring and DC Compound Wound.

- Note 4** Intermittent Service refers to 3–5 hours of daily or seasonal operation.
- Note 5** Normal Service indicates 8–10 hours of daily operation.
- Note 6** Continuous Service refers to 16–24 hours of daily operation.
- Note 7** If idlers are used, add the following to the service factor.
- | | |
|-------------------------------|------|
| Idler on slack side (inside) | None |
| Idler on slack side (outside) | 0.1 |
| Idler on tight side (inside) | 0.1 |
| Idler on tight side (outside) | 0.2 |

SPEED ADD-ON CORRECTION

AP & AX Belts	RATIOS								
	1.00- 1.01	1.02- 1.05	1.06- 1.09	1.10- 1.14	1.15- 1.19	1.20- 1.29	1.30- 1.49	1.50- 1.99	2.00 & Over
Motor RPM									
1750	.00	.03	.07	.10	.13	.16	.20	.24	.27
3600	.00	.05	.13	.19	.26	.31	.39	.47	.54

BP & BX Belts	RATIOS								
	1.00- 1.01	1.02- 1.05	1.06- 1.09	1.10- 1.14	1.15- 1.19	1.20- 1.29	1.30- 1.49	1.50- 1.99	2.00 & Over
Motor RPM									
1750	.00	.06	.17	.25	.34	.41	.51	.62	.71
3600	.00	.12	.33	.50	.67	.81	1.01	1.24	1.41

ARC OF CONTACT CORRECTION FACTOR

D-d C	Arc Contact Degree	Factor AC
0.000	180	1.000
0.025	179	0.997
0.050	177	0.994
0.075	176	0.990
0.100	174	0.987
0.125	173	0.983
0.150	171	0.980
0.175	170	0.977
0.200	169	0.973
0.225	167	0.969
0.250	166	0.966
0.275	164	0.962
0.300	163	0.958
0.325	161	0.954
0.350	160	0.951

D-d C	Arc Contact Degree	Factor AC
0.375	158	0.947
0.400	157	0.943
0.425	155	0.939
0.450	154	0.935
0.475	153	0.930
0.500	151	0.926
0.525	150	0.922
0.550	148	0.917
0.575	147	0.913
0.600	145	0.908
0.625	144	0.904
0.650	142	0.899
0.675	141	0.894
0.700	139	0.889
0.725	137	0.884

D-d C	Arc Contact Degree	Factor AC
0.750	136	0.879
0.775	134	0.874
0.800	133	0.869
0.825	131	0.864
0.850	130	0.858
0.875	128	0.852
0.900	127	0.847
0.925	125	0.841
0.950	123	0.835
0.975	122	0.829
1.000	120	0.823
1.025	118	0.816
1.050	117	0.810
1.075	115	0.803
1.100	113	0.796

D-d C	Arc Contact Degree	Factor AC
1.125	112	0.789
1.500	110	0.782
1.750	108	0.774
1.200	106	0.767
1.225	104	0.759
1.250	103	0.751
1.275	101	0.742
0.130	99	0.734
1.325	97	0.725
1.350	95	0.716
1.375	93	0.706
1.400	91	0.697
1.425	89	0.687

D = Large Diameter Sheave d = Small Diameter Sheave C = Center Distance

BELT LENGTH CORRECTION FACTOR

Belt Number	Correction Factor LC
A26	.81
A31	.84
A35	.87
A38	.88
A42	.90
A46	.92
A51	.94
A55	.96
A60	.98
A68	1.00

Belt Number	Correction Factor LC
A75	1.02
A80	1.04
A85	1.05
A90	1.06
A96	1.08
A105	1.10
A112	1.11
A120	1.13
A128	1.14

Belt Number	Correction Factor LC
B35	.81
B38	.83
B42	.85
B46	.87
B51	.89
B55	.90
B60	.92
B68	.95
B75	.97
B81	.98

Belt Number	Correction Factor LC
B85	.99
B90	1.00
B97	1.02
B105	1.04
B112	1.05
B120	1.07
B128	1.08
B136	1.09
B144	1.11
B158	1.13

Belt Number	Correction Factor LC
B173	1.15
B180	1.16
B195	1.18
B210	1.19
B240	1.22
B270	1.25
B300	1.27

LIGHT-DUTY DRIVE SELECTION USING 3L, 4L, 5L BELTS

Example: A 1 HP 1750 RPM NEMA B motor driving a fan operating at 1200 RPM, 24 hours a day.
Motor shaft is 7/8" diameter, fan shaft is 1" diameter, center distance is 20".

Procedure	Example
Step #1: Determine Required Drive Ratio. Ratio = Faster RPM / Slower RPM	1750 rpm / 1200 rpm = 1.46 ratio
Step #2: Based on the type of driven machine and the ratio determine the correct service factor from the chart on Page B3—24.	Service factor = 1.0
Step #3: Calculate the Design HP. Design HP = Motor HP x Service Factor	1 HP x 1.0 service factor = 1.0 Design HP
Step #4: Determine Belt Section based on Motor Horsepower. See chart on Page B3—24.	4L belt section
Step #5: Check NEMA chart for minimum sheave diameters. Page B3—24.	1 HP 1750 NEMA minimum diameter = 2.2"
Step #6: Select a drive combination from the ratio chart of the the corresponding belt section. Pages B3—10 to B3—21. In the event of multiple possibilities, drives using larger diameters are usually more economical.	1.46 ratio = AK30 DriveR & AK46 DriveN
Step #7: Using the smaller sheave and the motor RPM compare the HP per belt found on the charts on B3—22 to the Design HP from Step #3. For two groove applications multiply the HP per belt value by two.	HP rating of the AK46 @ 1750 RPM = 1.49 HP
Step #8: Calculate the approximate belt length. BL = 1.571 (D1 + D2) + 2 CD D1 & D2 = the sheave diameters & CD = center distance	BL = 1.571 (4.2 + 6.2) + 2 (20) BL = 51.78 Use a 4L520
Step #9: Specify Product Numbers.	DriveR sheave = AK30 x 7/8 order AK3078 DriveN sheave = AK46 x 1 order AK461 Belt = 4L520

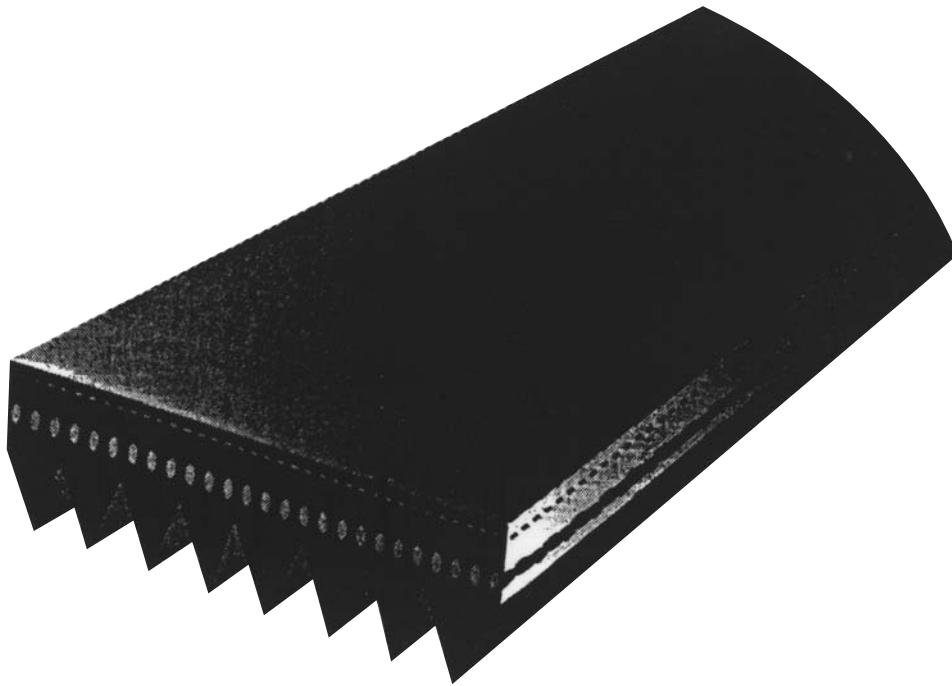
LIGHT-DUTY DRIVE SELECTION USING AP, AX, BP, BX

Example: A 5 HP 3500 RPM NEMA B motor driving a centrifugal pump operating at 2330 RPM, 24 hours a day.
Motor shaft is 1-1/8" diameter, fan shaft is 1" diameter, center distance is 25".

Procedure	Example
Step #1: Based on the type of DriveN machine the hours of operation and the DriveR type, select the correct service factor from the chart on page B3–25.	Service factor = 1.2
Step #2: Calculate the Design HP. Design HP = Motor HP x Service Factor	5 HP x 1.2 service factor = 6.0 Design HP
Step #3: Determine Belt Section based on Motor Horsepower. See chart on Page B3–24.	A belt section
Step #4: Determine Required Drive Ratio. Ratio = Faster RPM / Slower RPM	Ratio = 3500 / 2330 = 1.5
Step #5: Check NEMA chart for minimum sheave diameters. Page B3–24.	5 HP 3500 NEMA minimum diameter = 2.4"
Step #6: Select a drive combination from the ratio chart of the corresponding belt section. Pages B3–10 to B3–21. In the event of multiple possibilities, drives using larger diameters are usually more economical.	1.5 ratio = AK61 DriveR & AK91 DriveN
Step #7: Calculate the approximate belt length. BL = 1.571 (D1 + D2) + 2 CD D1 & D2 = the sheave diameters & CD = center distance	BL = 1.571 (5.7 + 8.7) + 2 (25) BL = 72.62 Use an AP71
Step #8: Using the smaller sheave and the motor RPM locate the HP per belt found on the charts on B3–23.	HP rating of the AK61 with an AP belt @ 3500 RPM = 9.83 HP
Step #9: Using the motor RPM and the ratio, find the HP add-on and add this to the HP per belt from Step #8. Page B3–26.	Add-on for A belts and a 1.5 ratio = .47
Step #10: Multiply the HP answer from Step #8 to the AC and LC factor from page B3–26. This is the corrected HP/belt. Compare this answer to the Design HP to determine if corrected HP one or two grooves are needed.	AC = .983 LC for an AP71 belt = 1.00 9.83 x .983 x 1.00 = 9.66 per belt Design HP = 6.0 • one belt will be enough
Step #11: Specify Product Numbers.	DriveR sheave = AK61 x 1-1/8" order AK61118 DriveN sheave = AK 91 x 1 order AK911 Belts = AP71

Poly-V Sheaves

B4

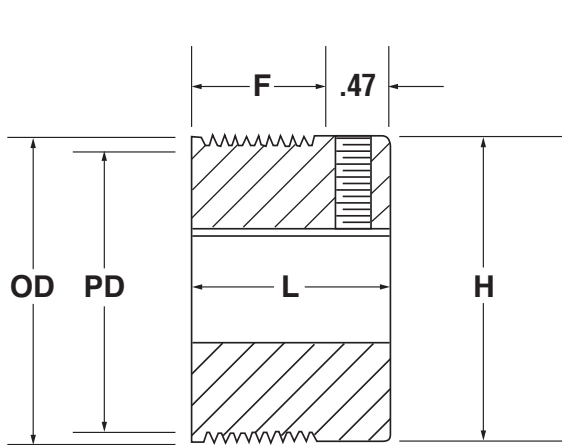
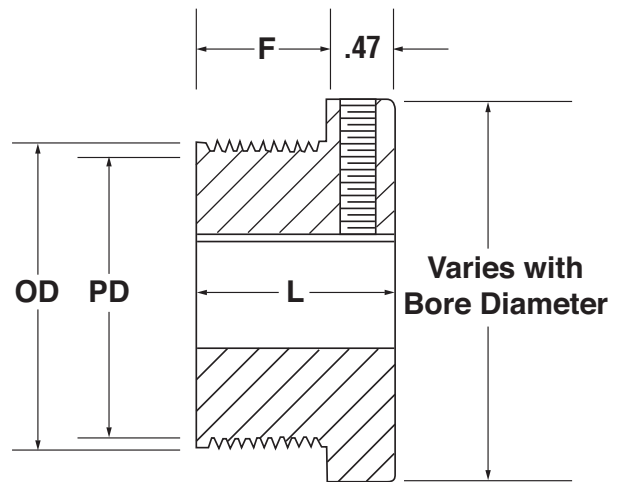


- **Provide a True Clamp Fit**
- **Are Easy to Install and Remove**
- **Permit Four-Way Mounting**

DIMENSION (In Inches)

Product No.	P.D.	O.D.	L	H	6 GROOVES F = 23/32 BTS PARTS					Wt. Lbs.
					Bores					
					1/2*	5/8	3/4	7/8	1	
6J150	1.53	1.50	1 3/16	—		X	X		X	0.5
6J160	1.63	1.60	1 3/16	1.60	X	X	X			0.6
6J170	1.73	1.70	1 3/16	1.70	X					0.7
6J180	1.83	1.80	1 3/16	1.80	X	X	X			0.7
6J190	1.93	1.90	1 3/16	1.90	X	X	X	X		0.7

* No Keyseat


**BTS
Except 6J150**

**BTS
6J150 Only**

STOCK POLY-V SHEAVES



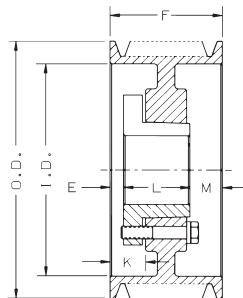
The sheaves listed below are all stock sizes. The dimensions given are with the Sure-Grip bushings in place. The figures following the letter in the "Type" column indicates the sheave construction: 1 - Solid; 2 - Web; 3 - Arms.

O.D.	P.D.	PRODUCT NO.	6 GROOVES						Wt. (lbs.)	PRODUCT NO.	10 GROOVES						Wt. (lbs.)
			F = 11/16								F = 1-3/32						
			E*	TYPE	BUSH	K	L	M			E*	TYPE	BUSH	K	L	M	
2.00	2.03	6J200	7/8	E1	JA	19/32	1	1 1/8	1.0	10J200	1 1/4	E1	JA	19/32	1	1 1/8	1.1
2.12	2.15	6J212	7/8	E1	JA	19/32	1	1 1/8	1.1	10J212	1 1/4	E1	JA	19/32	1	1 1/8	1.3
2.24	2.27	6J224	9/16	D1	JA	0	1	1/4	0.8	10J224	5/8	E1	JA	0	1	1/2	1.1
2.36	2.39	6J236	9/16	D1	JA	0	1	1/4	0.9	10J236	5/8	E1	JA	0	1	1/2	1.1
2.50	2.53	6J250	7/16	D1	JA	1/8	1	1/8	0.9	10J250	1/16	D1	JA	1/2	1	1/8	1.1
2.65	2.68	6J265	7/16	D1	JA	1/8	1	1/8	1.0	10J265	1/16	D1	JA	1/2	1	1/8	1.4
2.80	2.83	6J280	7/16	D1	JA	1/8	1	1/8	1.1	10J280	1/16	D1	JA	1/2	1	1/8	1.2
3.00	3.03	6J300	7/16	D1	JA	1/8	1	1/8	1.3	10J300	1/16	D1	JA	1/2	1	1/8	1.8
3.15	3.18	6J315	7/16	D1	JA	1/8	1	1/8	1.4	10J315	1/16	D1	JA	1/2	1	1/8	1.6
3.35	3.38	6J335	7/16	D1	JA	1/8	1	1/8	1.5	10J335	3/8	D1	SH	5/16	1 1/4	1/8	2.1
4.50	4.53	6J450	11/16	D1	SH	0	1 1/4	1/16	3.5	10J450	3/8	D1	SH	5/16	1 1/4	3/16	3.5
6.00	6.03	6J600	11/16	D1	SH	0	1 1/4	1/16	4.3	10J600	3/8	D2	SH	11/32	1 1/4	1/8	5.0
8.00	8.03	6J800	11/16	D2	SH	0	1 1/4	1/8	5.7	10J800	3/8	D2	SH	11/32	1 1/4	1/8	5.0
10.60	10.63	6J1060	11/16	D3	SH	0	1 1/4	1/8	6.9	10J1060	11/16	C3	SK	1/4	1 7/8	1/8	13.2
14.00	14.03	6J1400	15/16	C3	SK	0	1 7/8	1/4	15.6	10J1400	11/16	C3	SK	1/4	1 7/8	1/4	19.2
19.00	19.03	6J1900	15/16	C3	SK	0	1 7/8	1/4	23.7	10J1900	11/16	C3	SK	1/4	1 7/8	1/4	26.3

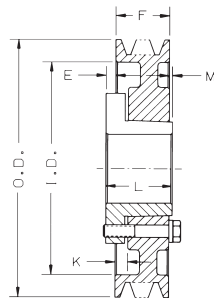
O.D.	P.D.	PRODUCT NO.	16 GROOVES						Wt. (lbs.)
			E*	TYPE	BUSH	K	L	M	
2.50	2.53	16J250	21/32	E1	JA	15/32	1	0	1.5
2.65	2.68	16J265	0	D1	JA	1/2	1	11/16	1.4
2.80	2.83	16J280	1/16	D1	JA	1/2	1	3/4	1.5
3.00	3.03	16J300	11/16	D1	SH	0	1 1/4	1	2.6
3.15	3.18	16J315	11/16	D1	SH	0	1 1/4	1	2.7
3.35	3.38	16J335	3/16	A1	SH	7/8	1 1/4	1/8	2.4
4.50	4.53	16J450	3/16	A1	SH	7/8	1 1/4	1/8	4.0
6.00	6.03	16J600	3/16	A2	SH	15/16	1 1/4	1/8	4.6
8.00	8.03	16J800	5/8	D3	SK	15/16	1 7/8	3/8	12.4

*"E" Dimension varies according to shaft tolerance.

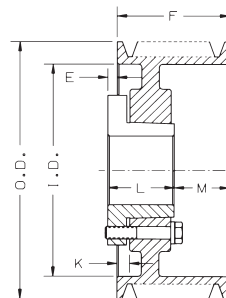
Weights for all Sure-Grip bushed items are approximate and include the bushing.



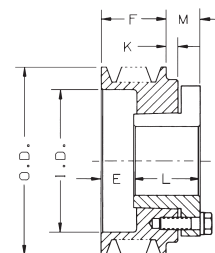
Type A



Type C



Type D



Type E

Contact TB Wood's Incorporated for quotes on other belt sections and configurations.

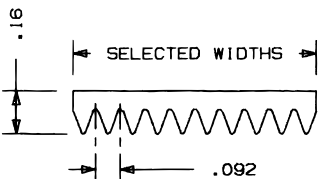
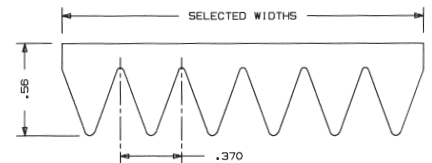
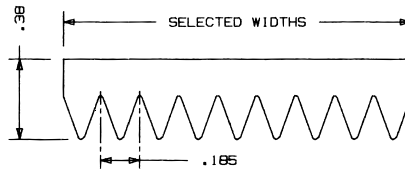
POLY-V BELTING LENGTHS

The following belts are NOT stocked, but are readily available.

"J" CROSS-SECTION	
PRODUCT NUMBER	OUTSIDE LENGTH
180J	18.5
190J	19.5
200J	20.5
220J	22.5
240J	24.5
260J	26.5
280J	28.5
290J	29.5
300J	30.5
310J	31.5
320J	32.5
340J	34.5
360J	36.5
380J	38.5
400J	40.5
410J	41.5
420J	42.5
430J	43.5
460J	46.5
490J	49.5
520J	52.5
550J	55.5
580J	58.5
610J	61.5
650J	65.5
690J	69.5
730J	73.5
770J	77.5
820J	82.5
840J	84.5
870J	87.5
890J	89.5
920J	92.5

"L" CROSS-SECTION	
PRODUCT NUMBER	OUTSIDE LENGTH
500L	51.0
540L	55.0
560L	57.0
595L	60.5
615L	62.5
635L	64.5
655L	66.5
695L	70.5
725L	73.5
765L	77.5
780L	79.0
795L	80.5
815L	82.5
840L	85.0
865L	87.5
915L	92.5
975L	98.5
990L	100.0
1065L	107.5
1120L	113.0
1150L	116.0
1215L	122.5
1230L	124.0
1295L	130.5
1310L	132.0
1455L	146.5

"M" CROSS-SECTION	
PRODUCT NUMBER	OUTSIDE LENGTH
900M	92.0
940M	96.0
990M	101.0
1060M	108.0
1150M	117.0
1185M	120.0
1230M	125.0
1310M	133.0
1390M	141.0
1470M	149.0
1550M	157.0
1610M	163.0
1650M	167.0
1760M	178.0
1830M	185.0
1980M	200.0
2130M	215.0
2410M	243.0
2560M	258.0
2710M	273.0
3010M	303.0
3310M	333.0
3610M	363.0



	NUMBER OF RIBS - BELT WIDTH								
	4	6	8	10	12	14	16	18	20
"J"	3/8	9/16	NS	15/16	NS	NS	1 1/2	NS	NS
"L"	NS	1 1/8	1 1/2	1 7/8	2 1/4	2 5/8	3	3 3/8	3 3/4
"M"	NS	1 1/4	3	3 3/4	4 1/2	5 1/4	6 1/2	6 3/4	7 1/2

Wood's Sure-Grip™ Pulleys

B5



- **Statically Balanced**
- **Up to 6500 feet per minute rim speed**
- **Dynamic balance based on rim speed and face width**

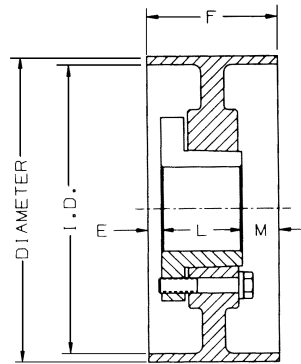
Dimensions (in inches)

Diameter	I.D.	2" FACE ■						2-3/4" FACE*						3-1/4" FACE*					
		DIMENSIONS					Wt.	DIMENSIONS					Wt.	DIMENSIONS					Wt.
		E	Type †	Bush.	L	M		E	Type †	Bush.	L	M		E	Type †	Bush.	L	M	
4	3.50	...	...	...	...	...	...	1/2	A1	SD	1-13/16	7/16	5.1	1/2	A1	SD	1-13/16	15/16	5.4
5	4.50	...	...	...	...	...	...	1/2	A1	SD	1-13/16	7/16	7.7	1/2	A1	SD	1-13/16	15/16	6.5
6	5.50	1/16	A3	SH	1-1/4	11/16	4.6	1/2	A2	SD	1-13/16	7/16	7.9	1/2	A2	SD	1-13/16	15/16	7.2
7	6.50	1/16	A3	SH	1-1/4	11/16	5.1	1/2	A3	SD	1-13/16	7/16	7.3	1/2	A3	SD	1-13/16	15/16	7.9
8	7.50	1/16	A3	SH	1-1/4	11/16	5.7	1/2	A3	SD	1-13/16	7/16	8.4	1/2	A3	SD	1-13/16	15/16	9.8
9	8.50	1/16	A3	SH	1-1/4	11/16	6.3	1/2	A3	SD	1-13/16	7/16	8.9	1/2	A3	SD	1-13/16	15/16	10.0
10	9.50	1/16	A3	SH	1-1/4	11/16	7.5	1/2	A3	SD	1-13/16	7/16	12.1	1/2	A3	SD	1-13/16	15/16	13.1
11	10.44	1/16	A3	SH	1-1/4	11/16	9.0	1/2	A3	SD	1-13/16	7/16	14.0	1/2	A3	SD	1-13/16	15/16	13.2
12	11.44	1/16	A3	SH	1-1/4	11/16	11.1	1/2	A3	SD	1-13/16	7/16	16.5	3/4	A3	SD	1-13/16	11/16	17.4
14	13.38	0	A3	SDS	1-5/16	11/16	14.0	7/16	A3	SF	2	5/16	22.5	11/16	A3	SF	2	9/16	25.4
16	15.38	0	A3	SDS	1-5/16	11/16	16.6	7/16	A3	SF	2	5/16	25.3	11/16	A3	SF	2	9/16	37.9
18	17.38	...	...	...	...	...	...	0	A3	SF	2	3/4	28.2	1/4	A3	SF	2	1	34.0
20	19.31	...	...	...	...	...	...	0	A3	SF	2	3/4	35.5	1/4	A3	SF	2	1	43.0
24	23.31	...	...	...	...	...	...	...	...	...	...	...	...	1/4	A3	SF	2	1	50.0

Diameter	I.D.	4-1/4" FACE*						5-1/4" FACE*						6-3/8" FACE*						
		DIMENSIONS					Wt.	DIMENSIONS					Wt.	DIMENSIONS					Wt.	
		E	Type †	Bush.	L	M		E	Type †	Bush.	L	M		E	Type †	Bush.	L	M		
4	3.50	1/2	A1	SD	1-13/16	1-15/16	6.1
5	4.50	1/2	A1	SD	1-13/16	1-15/16	8.9
6	5.50	5/8	A2	SD	1-13/16	1-13/16	8.4	9/16	A1	SF	2	2-11/16	14.0	9/16	A1	SF	2	3-13/16	15.0	
7	6.50	5/8	A3	SD	1-13/16	1-13/16	9.8	9/16	A2	SF	2	2-11/16	17.3	9/16	A1	SF	2	3-13/16	19.8	
8	7.50	5/8	A3	SD	1-13/16	1-13/16	10.7	9/16	A2	SF	2	2-11/16	15.5	9/16	A2	SF	2	3-13/16	16.9	
9	8.50	13/16	A3	SD	1-13/16	1-5/8	11.9	3/4	A3	SF	2	2-1/2	19.3	3/4	A2	SF	2	3-5/8	22.4	
10	9.50	13/16	A3	SD	1-13/16	1-5/8	15.4	3/4	A3	SF	2	2-1/2	19.2	3/4	A3	SF	2	3-5/8	21.0	
11	10.44	13/16	A3	SD	1-13/16	1-5/8	17.6	3/4	A3	SF	2	2-1/2	31.1	3/4	A3	SF	2	3-5/8	28.7	
12	11.44	1-3/16	A3	SF	2	1-1/16	23.0	1-1/4	A3	SF	2	2	27.3	1-3/4	A3	SF	2	2-5/8	28.4	
14	13.38	1-3/16	A3	SF	2	1-1/16	28.5	1-1/4	A3	SF	2	2	36.3	1-3/4	A3	SF	2	2-5/8	34.2	
16	15.38	1-3/16	A3	SF	2	1-1/16	32.3	1-1/4	A3	SF	2	2	38.3	1-3/4	A3	SF	2	2-5/8	41.3	
18	17.38	3/4	A3	SF	2	1-1/2	39.0	1-1/4	A3	SF	2	2	42.6	1-3/4	A3	SF	2	2-5/8	47.2	
20	19.31	3/4	A3	SF	2	1-1/2	43.4	1-1/4	A3	SF	2	2	51.5	1-3/4	A3	SF	2	2-5/8	57.5	
24	23.31	3/4	A3	SF	2	1-1/2	65.2	31/32	A3	E	2-5/8	1-21/32	69.6	1-15/32	A3	E	2-5/8	2-9/32	88.5	

Weights for all Sure-Grip bushed items are approximate and include the bushing.
 * When ordering it is necessary to specify if face is to be S = Straight or C = Crown.
 ■ The 2" face width is available with straight face only.

† Type refers to construction:
 A1 – Solid, A2 – Web, A3 – Arms



Type A

Dimensions (in inches)

Diameter	I.D.	8-3/8" FACE*						10-1/2" FACE*						12-1/2" FACE*						
		DIMENSIONS					Wt.	DIMENSIONS					Wt.	DIMENSIONS					Wt.	
		E	Type †	Bush.	L	M		E	Type †	Bush.	L	M		E	Type †	Bush.	L	M		
8	7.50	1-3/32	A1	E	2-5/8	4-21/32	32.4
9	8.50	1-15/32	A2	E	2-5/8	4-9/32	33.8
10	9.50	1-15/32	A2	E	2-5/8	4-9/32	38.1	1-15/32	A2	E	2-5/8	6-13/32	45.8
11	10.44	1-15/32	A3	E	2-5/8	4-9/32	40.6	1-15/32	A2	E	2-5/8	6-13/32	53.8
12	11.44	2-15/32	A3	E	2-5/8	3-9/32	39.7	3-15/32	A3	E	2-5/8	4-13/32	52.8	3-7/16	A2	J	4-1/2	4-9/16	94.8	
14	13.38	2-15/32	A3	E	2-5/8	3-9/32	49.4	3-15/32	A3	E	2-5/8	4-13/32	65.7	3-7/16	A3	J	4-1/2	4-9/16	107.9	
16	15.38	2-15/32	A3	E	2-5/8	3-9/32	60.8	3-15/32	A3	E	2-5/8	4-13/32	80.0	3-7/16	A3	J	4-1/2	4-9/16	117.4	
18	17.38	2-15/32	A3	E	2-5/8	3-9/32	69.3	2-7/16	A3	J	4-1/2	3-9/16	110.8	3-7/16	A3	J	4-1/2	4-9/16	132.0	
20	19.31	2-15/32	A3	E	2-5/8	3-9/32	75.6	2-7/16	A3	J	4-1/2	3-9/16	122.8	3-7/16	A3	J	4-1/2	4-9/16	151.1	
24	23.31	2-15/32	A3	E	2-5/8	3-9/32	104.2	2-7/16	A3	J	4-1/2	3-9/16	152.5	3-7/16	A3	J	4-1/2	4-9/16	175.5	

Weights for all Sure-Grip bushed items are approximate and include the bushing.

* When ordering it is necessary to specify if face is to be S = Straight or C = Crown.

† Type refers to construction:

A1 – Solid, A2 – Web, A3 – Arms

Ordering Example

16838S = 16.0 O.D. x 8-3/8 Straight Face

16838C = 16.0 O.D. x 8-3/8 Crown Face

SPECIFICATIONS

The flexibility of Wood's engineering, foundry and machine shop facilities allows us to design and manufacture special non-standard sheaves and pulleys to meet a variety of customer requirements. Sheaves and pulleys up to 108 inches O.D., with any face width can be built to customer designs or can be designed by Wood's experienced engineers to customer specification.

BALANCE

STATIC – All sheaves and pulleys are statically (one plane) balanced.

DYNAMIC – The need for dynamic (two plane) balance is based on both rim speed and face width.

All pulleys and sheaves are given either a static or dynamic balance which is equal to or better than the standards established by The Mechanical Power Transmission Association.

BELT LOADS

Single arm pulleys, with standard rims, are designed for 80 lbs. maximum effective belt tension per inch of width. Multiple arm pulleys are designed for and have rims for 120 lbs. maximum effective belt tension per inch of width (extra heavy construction). Both single arm and multiple arm pulleys can be furnished for belts having higher effective tensions than indicated above. See table below.

Effective Tension	Construction
80 lb.	DB
120 lb.	XH
160 lb.	XXH
200 lb.	XXXH
over 200 lb.	Special

If pulley is used with Nylon belting imposed belt loads or manufacturer's belt code, belt width, horsepower, rpm, and installation tension must be furnished to establish construction needed.

BORE

Sheaves and pulleys may be furnished bored-to-size or with mating hubs to accept Sure-Grip bushings at slight extra cost. Sure-Grip bushings are equivalent to a press fit and are preferable to straight machined bores. Straight machined bores, unless otherwise specified, are furnished with tolerances in accordance to MPTA standards. Actual tolerances will be furnished upon application for the specific hub length and bore size.

CAST IRON

Unless specified otherwise, all made-to-order sheaves and pulleys are constructed of fine grain, high tensile cast iron, and have been carefully engineered to assure maximum performance. Wood's cast iron sheaves and pulleys are designed for safe operation up to 6500 feet per minute rim speed.

CONSTRUCTION

The number and type of arms, including web centers, is determined by the diameter, face width, rim speed and type of service for which the sheave or pulley is intended. Split pulleys to operate at rim speeds of 4,000 fpm and faster must be made split-thru-the-arm construction. All ductile iron split-type pulleys are furnished only with split-thru-the-arm construction.

For heavy-duty application and where specifications are such that arm construction cannot be used, web center construction is recommended.



Solid



Clamp Hub



Split



Split Thru Arm

SPECIFICATIONS

CONVEYOR PULLEYS

Conveyor head and tail pulleys may be furnished in any width and with crowned or straight faces. In specifying your requirements, give both the desired face width and the actual belt width.

CROWN

All pulleys are furnished with standard crowns unless otherwise specified. The height of this crown equals .008 times the face width with a maximum height of .2". The crown is either a round or a modified round crown on all pulleys up to and including 36" diameter. Straight taper crowns are furnished on pulleys over 36" O.D. Straight faced pulleys can be supplied at no additional cost when specified with order.



DIAMETER

Pulleys are specified by nominal outside diameter measured at the highest point of the crown. Nominal diameters generally finish smaller than diameters listed compensating for belt thickness in speed calculations. Diameters will vary in accordance with the following tolerances.

Sheaves are specified according to pitch diameter. They are available in all standard Classical and Narrow cross sections in diameters ranging up to 108" O.D. All sheaves are machined to industry tolerances.

Exact diameters to closer tolerances can be furnished at additional cost when so specified. Sheaves and pulleys are available in any diameter up to and including 108" O.D. Pulley diameters are usually specified in increments of inches, but fractional inch diameters are also available.

DUCTILE IRON

When specified or when an application requires it, Ductile Iron can be furnished instead of Cast Iron. Alloy 80-55-06 "as cast" Ductile Iron is furnished unless otherwise specified. Alloy 65-45-12 "as cast" or "annealed" can be furnished for maximum toughness on shock loaded applications; and alloy 100-70-03 "as cast" can be supplied when maximum tensile strength is required. A limiting rim speed of 10,000 FPM is normally applied to all Ductile Iron products.

FLYWHEELS

Flywheels to provide any desired WR^2 can be supplied with a variety of features. Special programs for our engineering computer helps Wood's designers provide prompt assistance with flywheel design.

The WR^2 , [(flywheel effect) = Wt. (lbs.) x mean radius (feet) square], of standard pulleys will be given upon application. If additional flywheel effect is required on a pulley or sheave, additional weight can be added to the rim to obtain the desired WR^2 . The approximate rim weight from which the approximate WR^2 can be calculated is determined as follows: Mean diameter (inches) x width (inches) x thickness (inches) x .82 = Weight, lbs.



SPECIFICATIONS

HUBS

Diameter of cast iron sheave and pulley hubs are proportioned to diameter, face, bore and conditions of service. Lengths of cast iron sheave and pulley hubs vary in accordance with construction but usually equal approximately two-thirds of the face width; the exception being for pulleys or sheaves with face widths less than 3", then the hub length is greater than two-thirds of the face width. Exact diameter and length of a specific pulley or sheave hub will be furnished upon application.

IDLERS

Idler pulleys and sheaves are available on special order for either porous bronze bushings or ball bearings. RPM, radial load, length and location of hub should be specified on the order. Sure-Grip idler bushings can be used for idler service.

KEYSEAT

Pulleys and sheaves, when bored-to-size, are furnished with one keyseat and two setscrews, one over the key, the other at 90°. The size of the keyseat will be to MPTA Standard unless otherwise specified. Special and additional keyseats, straight or tapered, can be supplied when specified. When two keyseats are required, they will be located 180° apart unless otherwise specified. However, if pulleys are of split construction, they must be 180° apart.

LAGGED PULLEYS

Rubber lagging of 65-70 durometer with a minimum thickness of 1/4-inch can be furnished vulcanized to the pulley. The type of rubber and thickness will be furnished to customer specifications.



SPEEDS

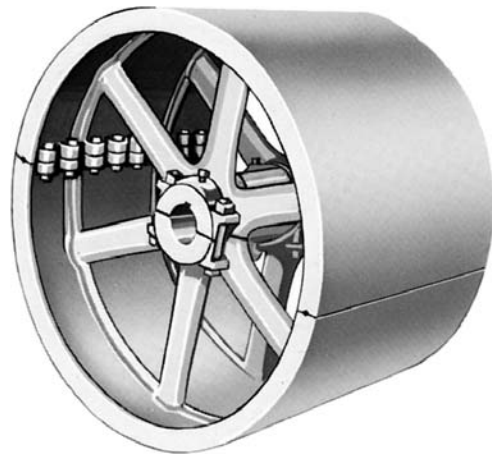
Sheaves and pulleys made in solid cast iron construction may be run safely at rim speeds up to 6500 fpm. For rim speeds above 6500 fpm, ductile iron is required.

Dynamic balance may be required for safe operation at these speeds depending upon face width or number of grooves.

Limiting rim speed for cast iron pulleys of split-between-the-arms construction is 4000 fpm; for split-thru-the-arm construction, 6000 fpm. Limiting rim speed for Wood's ductile iron split-thru-the-arm construction pulleys is 10,000 fpm.

TAPER CONE PULLEYS

Taper cone pulleys are built to customer specifications in cast or ductile iron and with any hub and arm design.

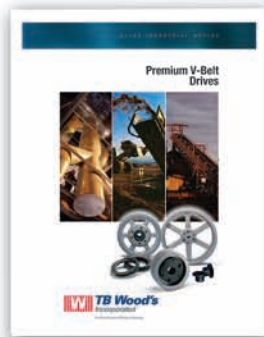


V-FLAT PULLEYS

Straight face cast iron pulleys are suitable for use with V-belts on V-flat drives. Standard pulleys can be used with "A", "B" and "C" belts. Extra heavy pulleys must be used with "D" and "E" V-belts.

TB Wood's

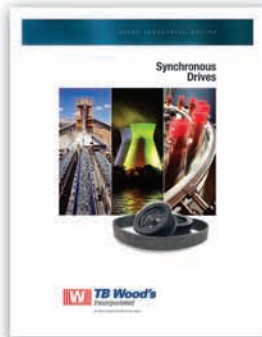
TB Wood's offers a comprehensive selection of belts and sheaves designed to meet the needs of a wide variety of industrial applications.



V-Belt Drives

TB Wood's premium v-belts can handle 1.4 to 2.2 times more horsepower than the equivalent size standard v-belt. So you can design a more compact drive that weighs less, puts less strain on costlier components, and uses fewer belts.

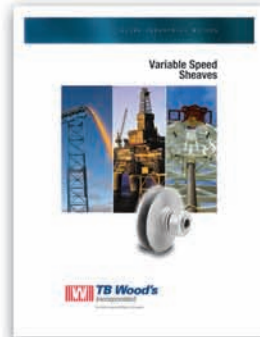
See Catalog P-1932-TBW



Synchronous Drives

TB Wood's synchronous drives combine the best of both chain and belted drives. These drives can withstand the harshest environmental conditions and are also available in a washdown version. TB Wood's synchronous drives are low noise, and are perfect for many high-speed, low torque applications.

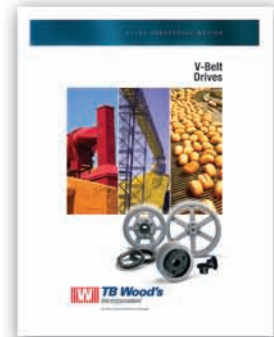
catalog P-1691-TBW



Variable Speed Sheaves

TB Wood's offers a wide range of companion sheaves for motion control variable speed drives that are made to accommodate Sure-Grip® Bushings for ease of installation. A wide range of companion pulleys are also available.

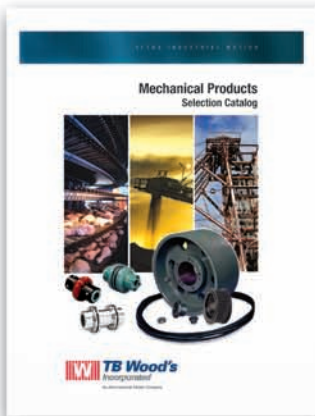
See Catalog P-1689-TBW



V-Belt Drives

TB Wood's has been known as the "Large Sheave" experts offering up to 108 inch maximum capacity sheaves. TB Wood's is known for superior response time on stock and made-to-order sheaves due to an integrated foundry. Value-added services including, kitting and drive selection software, put TB Wood's at the top of the list.

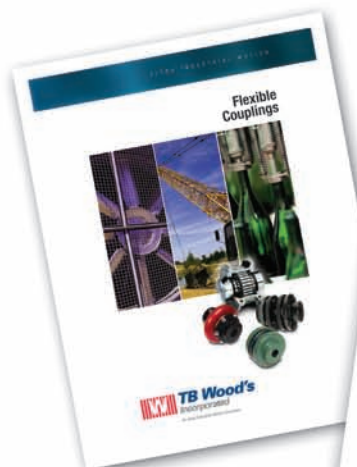
See Catalog P-1687-TBW



Mechanical Products

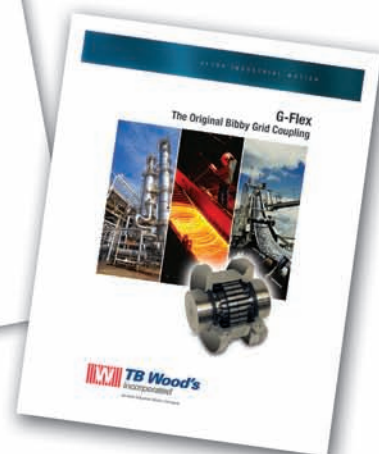
Our Mechanical Products Selection Catalog is a comprehensive overview of TB Wood's products. From V-Belts to Sheaves and Couplings, this catalog encompasses all that TB Wood's has to offer.

See Catalog P-1686-TBW



Flexible Couplings

See Catalog P-1690-TBW



G-Flex Couplings

See Catalog P-1674-TBW

TB Wood's Couplings

TB Wood's offers a complete line of couplings for any coupling application with several lines of high performance couplings.

Altra Industrial Motion

All Customer Service phone numbers shown in bold

Electromagnetic Clutches and Brakes

Warner Electric

Electromagnetic Clutches and Brakes

New Hartford, CT - USA
1-800-825-6544

For application assistance:
1-800-825-9050

St Barthelemy d'Anjou, France
+33 (0) 2 41 21 24 24

Precision Electric Coils and Electromagnetic Clutches and Brakes

Columbia City, IN - USA
1-260-244-6183

Matrix International

Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes

Brechin, Scotland
+44 (0) 1356 602000
New Hartford, CT - USA
1-800-825-6544

Inertia Dynamics

Spring Set Brakes; Power On and Wrap Spring Clutch/Brakes

New Hartford, CT - USA
1-800-800-6445

Overrunning Clutches

Formsprag Clutch

Overrunning Clutches and Holdbacks

Warren, MI - USA
1-800-348-0881 – Press #1

For application assistance:
1-800-348-0881 – Press #2

Marland Clutch

Roller Ramp and Sprag Type Overrunning Clutches and Backstops

Burr Ridge, IL - USA
1-800-216-3515

Stieber Clutch

Overrunning Clutches and Holdbacks

Heidelberg, Germany
+49 (0) 6221 30 47 0

Engineered Couplings

Ameridrives Couplings

Mill Spindles, Ameriflex, Ameridisc

Erie, PA - USA
1-814-480-5000

Gear Couplings

San Marcos, TX - USA
1-512-353-4000

Bibby Transmissions

Disc, Gear, Grid Couplings, Overload Clutches

Dewsbury, England
+44 (0) 1924 460801

Boksburg, South Africa
+27 11 918 4270

TB Wood's

Elastomeric Couplings

Chambersburg, PA - USA
1-888-829-6637 – Press #5

For application assistance:
1-888-829-6637 – Press #7

General Purpose

Disc Couplings
San Marcos, TX - USA
1-512-353-4000

Ameridrives Power Transmission

Universal Joints, Drive Shafts, Mill Gear Couplings

Green Bay, WI - USA
1-920-593-2444

Huco Dynatork

Precision Couplings and Air Motors

Hertford, England
+44 (0) 1992 501900
Charlotte, NC - USA
1-800-825-6544

Linear Products

Warner Linear

Linear Actuators and Guideways

Belvidere, IL - USA
1-800-825-6544

For application assistance:
1-800-825-9050

Heavy Duty Clutches and Brakes

Wichita Clutch

Pneumatic Clutches and Brakes

Wichita Falls, TX - USA
1-800-964-3262

Bedford, England
+44 (0) 1234 350311

Twiflex Limited

Caliper Brakes and Thrusters

Twickenham, England
+44 (0) 20 8894 1161

Industrial Clutch

Pneumatic and Oil Immersed Clutches and Brakes

Waukesha, WI - USA
1-262-547-3357

Gearing

Boston Gear

Enclosed and Open Gearing, Electrical and Mechanical P.T. Components

Charlotte, NC - USA
1-800-825-6544

For application assistance:
1-800-816-5608

Nuttall Gear and Delroyd Worm Gear

Worm Gear and Helical Speed Reducers

Niagara Falls, NY - USA
1-716-298-4100

Belted Drives and Sheaves

TB Wood's

Belted Drives

Chambersburg, PA - USA
1-888-829-6637 – Press #5

For application assistance:
1-888-829-6637 – Press #7

Engineered Bearing Assemblies

Kilian Manufacturing

Engineered Bearing Assemblies

Syracuse, NY - USA
1-315-432-0700

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Castle Hill, NSW 2154
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