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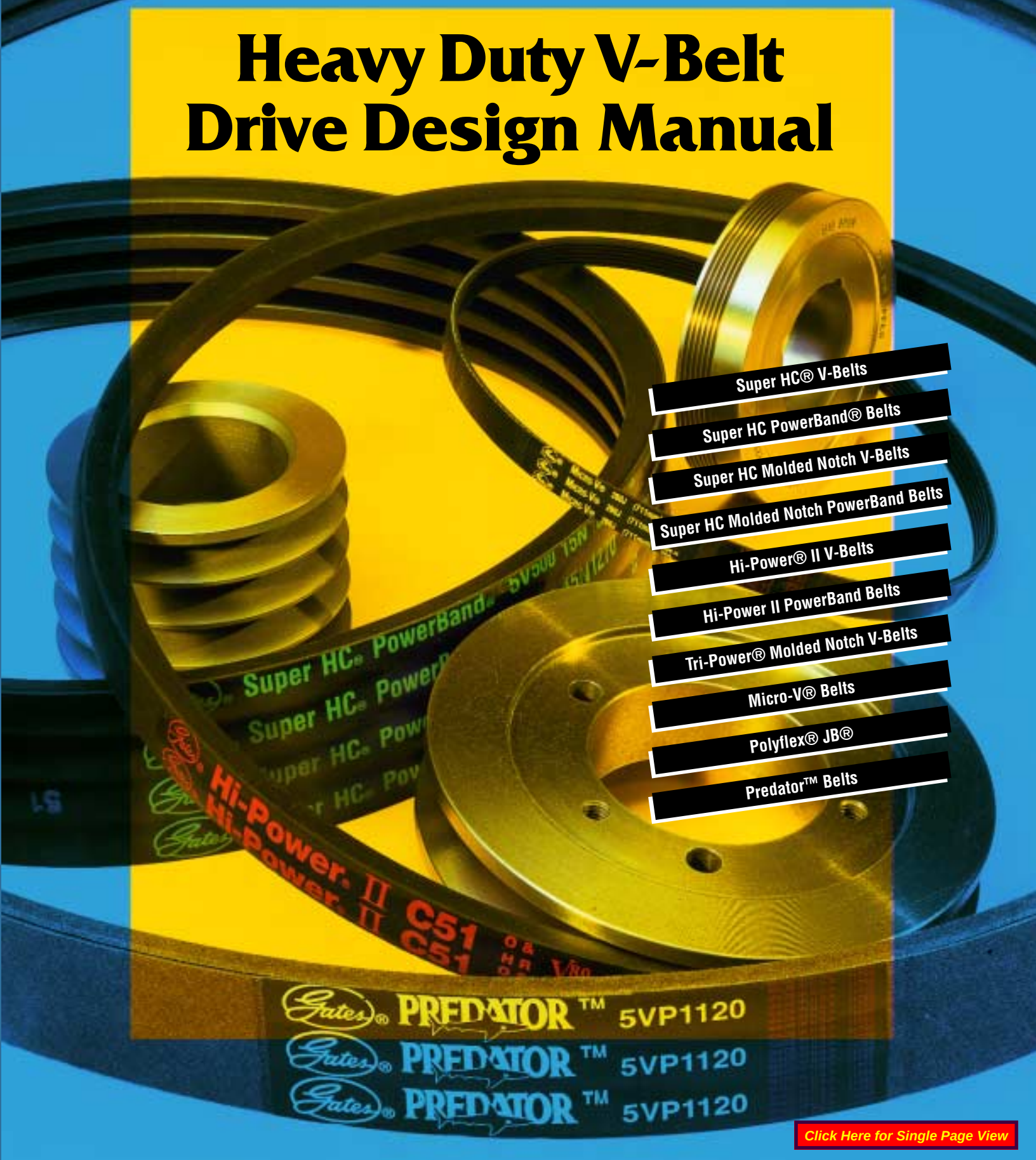
Gates®

The world's most trusted name in belts, hose and hydraulics.

Heavy Duty V-Belt Drive Design Manual



- Super HC® V-Belts
- Super HC PowerBand® Belts
- Super HC Molded Notch V-Belts
- Super HC Molded Notch PowerBand Belts
- Hi-Power® II V-Belts
- Hi-Power II PowerBand Belts
- Tri-Power® Molded Notch V-Belts
- Micro-V® Belts
- Polyflex® JB®
- Predator™ Belts

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Preface

This manual includes tables, specifications and procedures necessary to design drives using the following Gates Heavy Duty Industrial Belts:

- **Super HC® V-Belts and Super HC PowerBand® Belts**
- **Super HC Molded Notch V-Belts and Super HC Molded Notch PowerBand Belts**
- **Hi-Power® II V-Belts and Hi-Power II PowerBand Belts**
- **Tri-Power® Molded Notch V-Belts**
- **Micro-V® Belts**
- **Polyflex® JB®**

Included are sections on special drives such as:

- **Speedup**
- **V-Flat**
- **Idler**
- **Quarter-Turn**
- **Variable Pitch V-Belt**

There also is a large section on engineering information related to V-Belt drives.

NOTE: *This manual reflects a recent change in the industry standard for classical V-Belts and Sheaves — a move from the "Pitch" System to the recently adopted "Datum" System. For more details on this change,* *see Page 219.*

If you have questions or suggestions concerning data in this manual, contact your local Gates representative or write to:

Power Transmission Division
V-Belt Product Application
The Gates Rubber Company
900 South Broadway • P.O. Box 5887
Denver, Colorado 80217-5887

IMPORTANT

Gates recommends only those applications of products specified in Gates product literature. Gates disclaims any liability for use of its products in applications other than those for which they were designed.

WARNING!

Be safe! Do not use Gates Belts, pulleys or sprockets on aircraft propeller or rotor drive systems or in-flight accessory drives. Gates products are not designed or intended for aircraft use.

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Printed in U.S. of America

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*Registered trademark of Reliance Electric.

†Registered trademark of Fenner Manheim.

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This Manual Guides You in Designing Drives Using These Gates V-Belts




Super HC® V-Belts

3V250 through 3V1400
5V500 through 5V3550
8V1000 through 8V5600

Gates Super HC V-Belts combine modern high capacity material with the revolutionary "narrow" cross section pioneered by Gates. They can transmit up to 3 times the horsepower of conventional V-belts in the same drive space—or the same horsepower in 1/2 to 2/3 the space. Super HC belts can be used on all industrial integral horsepower drives. They are also suitable for low and high speed drives in those speed ranges where conventional belts have limited capacity. In many cases, they can replace high maintenance chain and gear drives. Super HC V-Belts have exclusive Gates construction features for extra long drive life.

Super HC® Molded Notch V-Belts

3VX250 through 3VX1400
5VX450 through 5VX2000

Gates Super HC Molded Notch V-Belts are designed for use where conventional V-belts drives are impractical, where space, weight or sheave limitations are present, and where increased horsepower capacity of production is required and higher speed are necessary. With smaller sheave diameters, these belts offer a higher horsepower rating than any other V-belts on the market.

Super HC® PowerBand® Belts

2/3V800 through 5/3V1400
2/5V500 through 5/5V3500
3/8V1000 through 5/8V6000
2/3VX250 through 5/3VX1400
2/5VX500 through 5/5VX2000

Gates PowerBand Belts were developed by Gates for drives subjected to pulsating shock loads. These include applications such as compressors, rock crushers, hammers or pug mills.

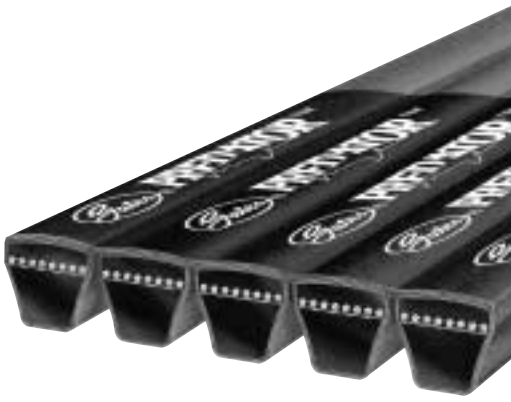
A PowerBand belt is made by joining together two or more Gates V-belts with a permanent, high strength tie band. These readily bend over sheaves as easily as multiple V-belts. However, the tie band keeps the belts running in a straight line into the sheave grooves even under violent pulsating or shock loads. And, these PowerBand belts cannot turn over or jump off the drive. Gates PowerBand belts provide the most advanced V-belt drive system available.

This Manual Guides You in Designing Drives Using These Gates V-Belts




Predator™ V-Belts

Gates Predator V-Belts are specially reinforced for demanding applications such as those typically found in the wood and lumber processing industry, mining, agriculture, oil field equipment and heavy construction. This new generation PowerBand® Belt is made by joining two or more Gates V-belts with a permanent, high-strength tie-band. It bends as easily as multiple V-belts over sheaves, but the tie-band keeps the belts from bending sideways. This lateral rigidity keeps the belt running in a straight line into the grooves even under violent pulsating or shock loads. It cannot turn over—or jump off. These extra heavy-duty V-belts are constructed with a treated fabric cover, aramid tensile and are oil and heat resistant. Available in narrow and classical profiles, they are precision-matched to optimize performance.



Hi-Power® II V-Belts

A24 through A180
B28 through B315
C48 through C420
D105 through D660

Hi-Power II V-Belts feature a composite multipurpose construction. Concave sidewalls fill out, making uniform contact with the sheave groove and distributing wear uniformly. The arched top provides superior strength to prevent “dishing” and distortion of the tensile section. The Flex-Weave® cover protects the core of the belt and its extra flexibility allows the belt to bend easily in even the smallest sheaves. Constructed with special rubber compounds, these belts resist oil and heat, ozone, sunlight weather and aging. Its superior length stability assures that Gates Hi-Power II V-Belts require less retensioning and takeup during their service.

This Manual Guides You in Designing Drives Using These Gates V-Belts




Hi-Power® II PowerBand® Belts

2/B62 through 5/B315
2/C68 through 5/C420
3/D144 through 5/D660

V80

Recommended for all multiple V-belt drives exposed to pulsating loads or heavy shock loads. Developed and patented by Gates, these Hi-Power II Powerband Belts pull like multiple V-belts, yet have additional lateral rigidity to eliminate problems caused by whipping belts that turn over or come off the drive. These belts operate in standard V-belt sheaves. The tensile section in each belt strand is within the sheave groove and the tie-band does not touch the bottom of the sheave. As a result, Hi-Power II PowerBand Belts operate without slip at low tension (low tension results in lower bearing loads).

Tri-Power® Molded Notch V-Belts

AX21 through AX173
BX28 through BX300
CX51 through CX360

Vextra™ V80

Especially suited for drives with smaller diameter sheaves, Gates Tri-Power Molded Notch V-Belts carry a higher horsepower rating than conventional cross-section belts. A special compound provides oil and heat resistance and helps resist ozone, sunlight, weather and aging. A proprietary material surrounding the tensile members bonds the cords and rubber during vulcanization into a unit that provides long service without cord separation. Special notches molded into the belt during manufacturing reduce bending stress. The edges of Tri-Power Molded Notch V-Belts are precisely cut to exact dimensions to assure uniform fit along the sides of sheave grooves.

This Manual Guides You in Designing Drives Using These Gates V-Belts




Polyflex® JB® Belts

5M 7M 11M

Recommended for high precision applications, Polyflex JB Belts can operate at very high shaft speeds—in excess of 10,000 rpm. They run on small diameter sheaves with high horsepower capacities and are precisely manufactured without laps and layers to achieve a uniformity not possible with traditional rubber construction belts. Gates special urethane compound used in Polyflex JB Belts is resistant to fatigue, wear, ozone and environmental conditions.

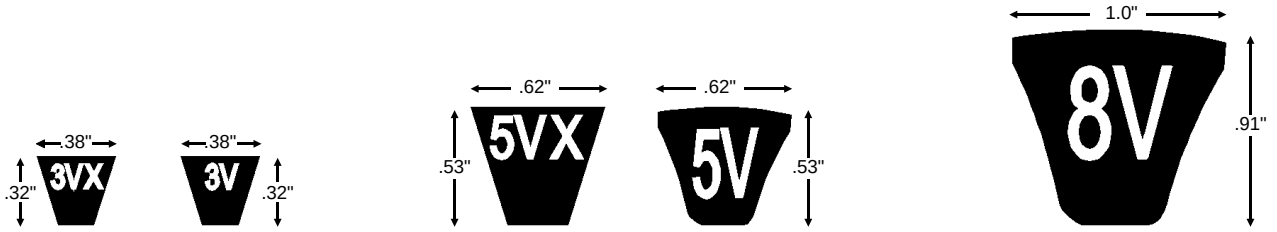
Micro-V® Belts

J Section L Section M Section

Gates Micro-V Belts are extremely smooth running and are oil and heat resistant. The truncated rib profile increases flexibility and allows the belt to perform at very high speeds on smaller diameter sheaves. Woven fabric rib surface improves wear resistance and provides a clutching surface. Horsepower ratings exceed RMA standards. Recommended for high-speed applications such as rock crushers, drilling rigs, cranes, road paving equipment and many more.

Super HC® and Super HC Molded Notch V-Belts and PowerBand® Belts Sizes

(PowerBand Belts are available in 2, 3, 4 or 5 bands in sizes shown, or wider, on a standard non-stock basis.)



3VX & 3V						5VX & 5V						8V					
Numerical Suffix The Same For 3V & 3VX Belts						Numerical Suffix The Same For 5V & 5VX In Sizes 500 thru 2000.											
RMA Nomen-clature Lengths (mm)[2]	Effective Length (In.)	Super HC Molded Notch V-Belt No.	RMA Nomen-clature Lengths (mm)[2]	Effective Length (In.)	Super HC Molded Notch V-Belt No.	RMA Nomen-clature Lengths (mm)[2]	Effective Length (In.)	Super HC Molded Notch V-Belt No.	RMA Nomen-clature Lengths (mm)[2]	Effective Length (In.)	Super HC Molded Notch Or Super HC V-Belt No.	RMA Nomen-clature Lengths (mm)[2]	Effective Length (In.)	Super HC Molded Notch V-Belt No.	RMA Nomen-clature Lengths (mm)[2]	Effective Length (In.)	Super HC Molded Notch V-Belt No.
630	25	[1]3VX250	1800	71	3VX710	1140	45	5VX450*	2290	90	5VX900	2540	100	8V1000	7100	280	8V2800
670	26.5	[1]3VX265	1900	75	3VX750	1190	47	5VX470*	2360	93	5VX930*	2690	106	8V1060	7620	300	8V3000
710	28	3VX280	2030	80	3VX800	1240	49	5VX490*	2410	95	5VX950	2840	112	8V1120	8000	315	8V3150
760	30	3VX300	2160	85	3VX850	1270	50	5VX500	2435	96	5VX960*	3000	118	8V1180	8500	335	8V3350
800	31.5	3VX315	2290	90	3VX900	1295	51	5VX510*	2540	100	5VX1000	3180	125	8V1250	9000	355	8V3550
850	33.5	3VX335	2410	95	3VX950	1345	53	5VX530	2615	103	5VX1030*	3350	132	8V1320	9500	375	8V3750
900	35.5	3VX355	2540	100	3VX1000	1370	54	5VX540*	2690	106	5VX1060	3550	140	8V1400	10160	400	8V4000
950	37.5	3VX375	2690	106	3VX1060	1395	55	5VX550*	2740	108	5VX1080*	3810	150	8V1500	10800	425	8V4250
1015	40	3VX400	2840	112	3VX1120	1420	56	5VX560	2840	112	5VX1120	4060	160	8V1600	11430	450	8V4500
1080	42.5	3VX425	3000	118	3VX1180	1445	57	5VX570*	2920	115	5VX1150*	4320	170	8V1700	12060	475	8V4750
1145	45	3VX450	3180	125	3VX1250	1470	58	5VX580*	3000	118	5VX1180	4570	180	8V1800	12700	500	8V5000
1205	47.5	3VX475	3350	132	3VX1320	1495	59	5VX590*	3120	123	5VX1230*	4830	190	8V1900	14200	560	8V5600
1270	50	3VX500	3550	140	3VX1400	1525	60	5VX600	3180	125	5VX1250	5080	200	8V2000			
1345	53	3VX530				1545	61	5VX610*	3350	132	5VX1320	5380	212	8V2120			
1420	56	3VX560				1600	63	5VX630	3550	140	5VX1400	5690	224	8V2240			
1525	60	3VX600				1650	65	5VX650*	3810	150	5VX1500	6000	236	8V2360			
1600	63	3VX630				1675	66	5VX660*	4060	160	5VX1600	6350	250	8V2500			
1700	67	3VX670				1700	67	5VX670	4320	170	5VX1700	6730	265	8V2650			
						1725	68	5VX680*	4570	180	5VX1800						
						1750	69	5VX690*	4830	190	5VX1900						
						1800	71	5VX710	5080	200	5VX2000						
						1850	73	5VX730*	5380	212	5V2120						
						1875	74	5VX740*	5690	224	5V2240						
						1900	75	5VX750	6000	236	5V2360						
						1980	78	5VX780*	6350	250	5V2500						
						2030	80	5VX800	6730	265	5V2650						
						2055	81	5VX810*	7100	280	5V2800						
						2105	83	5VX830*	7620	300	5V3000						
						2130	84	5VX840*	8000	315	5V3150						
						2160	85	5VX850	8500	335	5V3350						
						2180	86	5VX860*	9000	355	5V3550						
						2235	88	5VX880*									

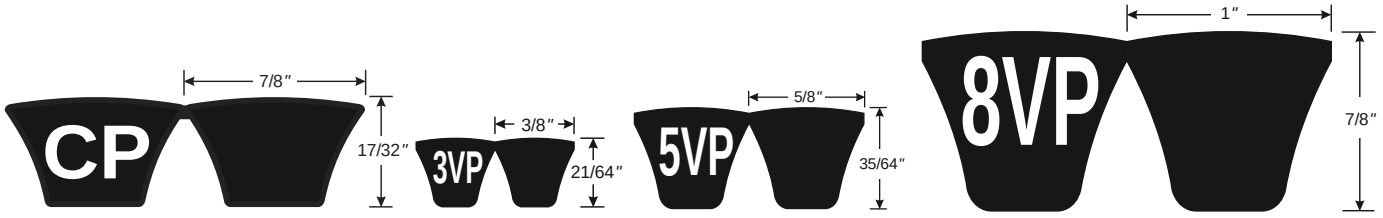
Note: 265 available in 3VX but not 3V.

Note: 530 available in 5VX but not 5V.
*New size available in 1999.

[1]For PowerBand belt stock availability, see your local Gates representative.
[2]Metric length designation corresponds to the joint industry standard IP-22 established by RMA/MPTA/RAC. The conventional V-belt numbers listed correspond to these established metric lengths.
[3]This length is available only as a PowerBand belt. Single belts are not available in this size.

See Page 255 for additional information on Gates PowerBand Belts.

Predator™ Belt Sizes

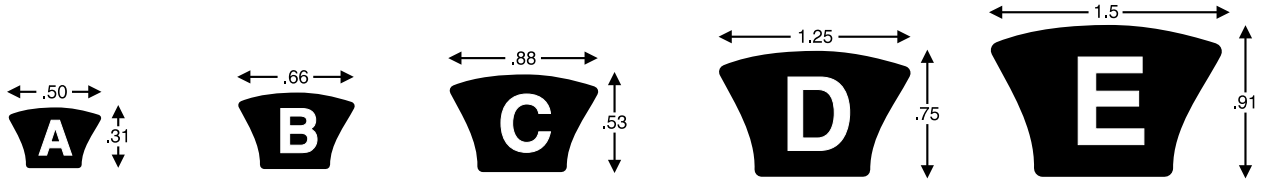


Contact your Gates representative for drive design and tensioning recommendations.

Section CP		Section 3VP		Section 5VP		Section 8VP	
Outside Circumference (In.)	Predator V-Belt No.	Outside Circumference (In.)	Predator V-Belt No.	Outside Circumference (In.)	Predator V-Belt No.	Outside Circumference (In.)	Predator V-Belt No.
89.0	3/CP85	48.0	2/3VP485	67.0	2/5VP670	315.0	2/8VP3150
94.0	3/CP90	75.0	2/3VP750	80.0	2/5VP800	160.0	3/8VP1600
103.0	3/CP99	47.5	3/3VP475	90.0	2/5VP900	180.0	3/8VP1800
		50.0	3/3VP500	85.0	2/5VP850	150.0	4/8VP1500
		56.0	3/3VP560	95.0	2/5VP950	200.0	4/8VP2000
		63.0	3/3VP630	100.0	2/5VP1000	224.0	4/8VP2240
		71.0	3/3VP710	132.0	2/5VP1320	250.0	4/8VP2500
		85.0	3/3VP850	190.0	2/5VP1900	315.0	4/8VP3150
		95.0	3/3VP950	80.0	3/5VP800	355.0	4/8VP3550
				85.0	3/5VP850	375.0	4/8VP3750
				90.0	3/5VP900	425.0	4/8VP4250
				95.0	3/5VP950	500.0	4/8VP4500
				100.0	3/5VP1000	118.0	5/8VP1180
				106.0	3/5VP1060	170.0	5/8VP1700
				112.0	3/5VP1120	190.0	5/8VP1900
				125.0	3/5VP1250	200.0	5/8VP2000
				132.0	3/5VP1320	224.0	5/8VP2240
				140.0	3/5VP1400	250.0	5/8VP2500
				150.0	3/5VP1500	300.0	5/8VP3000
				160.0	3/5VP1600	315.0	5/8VP3150
				170.0	3/5VP1700	335.0	5/8VP3350
				180.0	3/5VP1800	236.0	6/8VP2360
				190.0	3/5VP1900	280.0	6/8VP2800
				200.0	3/5VP2000	300.0	6/8VP3000
				212.0	3/5VP2120	315.0	6/8VP3150
				80.0	4/5VP800	355.0	6/8VP3550
				85.0	4/5VP850	180.0	8/8VP1800
				90.0	4/5VP900	190.0	8/8VP1900
				95.0	4/5VP950	250.0	8/8VP2500
				100.0	4/5VP1000	280.0	8/8VP2800
				106.0	4/5VP1060	300.0	8/8VP3000
				112.0	4/5VP1120	315.0	8/8VP3150
				118.0	4/5VP1180	280.0	10/8VP2800
				125.0	4/5VP1250	300.0	10/8VP3000
				132.0	4/5VP1320	315.0	10/8VP3150
				140.0	4/5VP1400	335.0	10/8VP3350
				150.0	4/5VP1500		
				160.0	4/5VP1600		
				170.0	4/5VP1700		
				180.0	4/5VP1800		
				190.0	4/5VP1900		
				200.0	4/5VP2000		
				212.0	4/5VP2120		
				224.0	4/5VP2240		
				75.0	5/5VP750		
				80.0	5/5VP800		
				85.0	5/5VP850		
				90.0	5/5VP900		
				95.0	5/5VP950		
				100.0	5/5VP1000		
				106.0	5/5VP1060		
				112.0	5/5VP1120		
				118.0	5/5VP1180		
				125.0	5/5VP1250		
				132.0	5/5VP1320		
				140.0	5/5VP1400		
				150.0	5/5VP1500		
				160.0	5/5VP1600		
				170.0	5/5VP1700		
				180.0	5/5VP1800		
				190.0	5/5VP1900		
				200.0	5/5VP2000		
				224.0	5/5VP2240		
				180.0	8/5VP1800		

Hi-Power® II V-Belts and PowerBand® Belts Sizes

(PowerBand Belts are available in 2, 3, 4 or 5 bands in sizes shown, or wider, on a standard non-stock basis.)



A Section				B Section				C Section				D Section				E Section			
RMA Nomen-clature Lengths (mm)**	Outside Circum-ference (in.)	Hi-Power II V-Belt No.	Datum Length (in.)Δ	RMA Nomen-clature Lengths (mm)**	Outside Circum-ference (in.)	Hi-Power II V-Belt No.	Datum Length (in.)Δ	RMA Nomen-clature Lengths (mm)**	Outside Circum-ference (in.)	Hi-Power II V-Belt No.	Datum Length (in.)Δ	RMA Nomen-clature Lengths (mm)**	Outside Circum-ference (in.)	Hi-Power II V-Belt No.	Datum Length (in.)Δ	RMA Nomen-clature Lengths (mm)**	Outside Circum-ference (in.)	Hi-Power II V-Belt No.	Datum Length (in.)Δ
—	26	A24	25.3	—	31	B28	29.8	—	52	C48	50.9	—	110	D105	108.3	—	187	E180	184.5
—	27	A25	26.3	—	32	B29	30.8	—	54	C50	52.9	—	117	D112	115.3	—	202	E195	199.5
710	28	[1]A26	27.3	—	33	B30	31.8	1400	55	[1]C51	53.9	3190	125	D120	123.3	—	217	E210	214.5
—	29	A27	28.3	—	34	B31	32.8	—	57	C53	55.9	3390	133	[1]D128	131.3	—	244	E240	241.0
—	30	A28	29.3	—	35	B32	33.8	—	58	C54	56.9	—	141	D136	139.3	—	274	E270	271.0
800	31	[1]A29	30.3	—	36	B33	34.8	1500	59	C55	57.9	3800	149	D144	147.3	—	304	E300	301.0
—	31.8	A29.8	31.1	—	37	B34	35.8	—	61	C57	59.9	4160	163	D158	161.3	—	334	E330	331.0
—	32	A30	31.3	960	38	B35	36.8	1630	64	C60	62.9	4250	167	D162	165.3	—	364	E360	361.0
850	33	[1]A31	32.3	—	39	B36	37.8	—	66	C62	64.9	4540	178	D173	176.3	—	394	E390	391.0
—	34	A32	33.3	—	40	B37	38.8	—	67	C63	65.9	4720	185	D180	183.3	—	424	E420	421.0
900	35	[1]A33	34.3	1040	41	B38	39.8	—	69	C65	67.9	5100	200	D195	198.3	—	484	E480	481.0
—	36	A34	35.3	—	42	B39	40.8	—	71	C67	69.9	5480	215	D210	213.3	—	544	E540	541.0
950	37	[1]A35	36.3	1090	43	B40	41.8	1830	72	C68	70.9	5800	227	D225	225.8	—	604	E600	601.0
—	38	A36	37.3	1120	44	B41	42.8	—	74	C70	72.9	6180	242	D240	240.8	—	664	E660	661.0
1000	39	[1]A37	38.3	—	45	B42	43.8	1900	75	C71	73.9	6560	257	D255	255.8				
—	40	A38	39.3	—	46	B43	44.8	—	76	C72	74.9	6940	272	D270	270.8				
—	41	A39	40.3	1190	47	B44	45.8	2000	79	C75	77.9	7330	287	D285	285.8				
1075	42	[1]A40	41.3	—	48	B45	46.8	—	82	C78	80.9	—	303	D300	300.8				
—	43	A41	42.3	1250	49	B46	47.8	—	84	C80	82.9	8090	317	D315	315.8				
1120	44	[1]A42	43.3	—	50	B47	48.8	2160	85	C81	83.9	8470	332	D330	330.8				
1150	45	[1]A43	44.3	—	51	B48	49.8	—	87	C83	85.9	8850	347	D345	345.8				
—	46	A44	45.3	1320	52	B49	50.8	2260	89	C85	87.9	9240	362	D360	360.8				
—	47	A45	46.3	—	53	B50	51.8	—	91	C87	89.9	10000	392	D390	390.8				
1230	48	[1]A46	47.3	—	54	B51	52.8	2390	94	C90	92.9	10760	422	D420	420.8				
—	49	A47	48.3	1400	55	B52	53.8	—	96	C92	94.9	11530	452	D450	450.8				
—	50	A48	49.3	—	56	B53	54.8	—	97	C93	95.9	12290	482	D480	480.8				
1300	51	[1]A49	50.3	—	57	B54	55.8	2540	100	C96	98.9	13820	542	D540	540.8				
—	52	A50	51.3	—	58	B55	56.8	—	101	C97	99.9	15350	602	*D600	600.8				
—	53	A51	52.3	1500	59	B56	57.8	—	103	C99	101.9	16870	662	*D660	660.8				
—	54	A52	53.3	—	60	B57	58.8	2650	104	C100	102.9								
1400	55	[1]A53	54.3	—	61	B58	59.8	—	105	C101	103.9								
—	56	A54	55.3	—	62	B59	60.8	—	107	C103	105.9								
—	57	A55	56.3	1600	63	B60	61.8	—	109	C105	107.9								
—	58	A56	57.3	—	64	B61	62.8	2800	110	C106	108.9								
1500	59	[1]A57	58.3	—	65	B62	63.8	—	111	C107	109.9								
—	60	A58	59.3	—	66	B63	64.8	—	112	C108	110.9								
—	61	A59	60.3	1700	67	B64	65.8	—	113	C109	111.9								
1585	62	[1]A60	61.3	—	68	B65	66.8	—	114	C110	112.9								
—	63	A61	62.3	—	69	B66	67.8	—	115	C111	113.9								
—	64	A62	63.3	—	70	B67	68.8	—	116	C112	114.9								
—	65	A63	64.3	1800	71	B68	69.8	3030	119	C115	117.9								
—	66	A64	65.3	—	72	B69	70.8	—	120	C116	118.9								
1710	67	[1]A65	66.3	—	73	B70	71.8	3150	124	C120	122.9								
—	68	A66	67.3	—	74	B71	72.8	—	126	C122	124.9								
—	69	A67	68.3	1900	75	B72	73.8	—	128	C124	126.9								
1790	70	[1]A68	69.3	—	76	B73	74.8	3350	132	C128	130.9								
—	71	A69	70.3	—	77	B74	75.8	—	134	C130	132.9								
—	72	A70	71.3	1980	78	B75	76.8	3550	140	C136	138.9								
1865	73	[1]A71	72.3	—	79	B76	77.8	—	144	C140	142.9								
—	74	A72	73.3	—	80	B77	78.8	3760	148	C144	146.9								

* For stock availability, see your local Gates representative.

[1] PowerBand Belts are not stocked in this size.
** The metric length designation corresponds to the joint industry standard IP-20 established by RMA/MPTA/RAC. The conventional V-belt numbers listed corresponds to these established metric lengths.
Δ Datum System is described in detail on page 219.

See Page 255 for additional information on Gates PowerBand Belts.

Hi-Power® II V-Belts and PowerBand® Belts Sizes (continued)

A Section				B Section				C Section				D Section				E Section			
RMA Nomenclature Lengths (mm)**	Outside Circumference (in.)	Hi-Power II V-Belt No.	Datum Length (in.)Δ	RMA Nomenclature Lengths (mm)**	Outside Circumference (in.)	Hi-Power II V-Belt No.	Datum Length (in.)Δ	RMA Nomenclature Lengths (mm)**	Outside Circumference (in.)	Hi-Power II V-Belt No.	Datum Length (in.)Δ	RMA Nomenclature Lengths (mm)**	Outside Circumference (in.)	Hi-Power II V-Belt No.	Datum Length (in.)Δ	RMA Nomenclature Lengths (mm)**	Outside Circumference (in.)	Hi-Power II V-Belt No.	Datum Length (in.)Δ
—	75	A73	74.3	—	81	B78	79.8	—	152	C148	150.9								
—	76	A74	75.3	—	82	B79	80.8	—	154	C150	152.9								
1965	77	[1]A75	76.3	2110	83	B80	81.8	—	160	C156	158.9								
—	78	A76	77.3	—	84	B81	82.8	4120	162	C158	160.9								
—	79	A77	78.3	—	85	B82	83.8	4220	166	C162	164.9								
—	80	A78	79.3	—	86	B83	84.8	—	174	C170	172.9								
—	81	A79	80.3	—	87	B84	85.8	4500	177	C173	175.9								
—	82	A80	81.3	2240	88	B85	86.8	4680	184	C180	182.9								
2120	83	[1]A81	82.3	—	89	B86	87.8	—	194	C190	192.9								
—	84	A82	83.3	—	90	B87	88.8	5060	199	C195	197.9								
—	85	A83	84.3	—	91	B88	89.8	5440	214	C210	212.9								
—	86	A84	85.3	—	92	B89	90.8	5770	227	C225	225.9								
2220	87	[1]A85	86.3	2360	93	B90	91.8	6150	242	C240	240.9								
—	88	A86	87.3	—	94	B91	92.8	6540	257	C255	255.9								
—	89	A87	88.3	—	95	B92	93.8	6920	272	C270	270.9								
—	90	A88	89.3	—	96	B93	94.8	7300	287	C285	285.9								
—	91	A89	90.3	—	97	B94	95.8	7680	302	C300	300.9								
2350	92	[1]A90	91.3	2500	98	B95	96.8	8060	317	C315	315.9								
—	93	A91	92.3	—	99	B96	97.8	8440	332	C330	330.9								
—	94	A92	93.3	—	100	B97	98.8	8820	347	C345	345.9								
—	95	A93	94.3	—	101	B98	99.8	9200	362	C360	360.9								
—	96	A94	95.3	—	102	B99	100.8	9970	392	C390	390.9								
—	97	A95	96.3	2620	103	B100	101.8	10730	422	C420	420.9								
2500	98	[1]A96	97.3	—	104	B101	102.8												
—	99	A97	98.3	—	105	B102	103.8												
—	100	A98	99.3	—	106	B103	104.8												
2600	102	[1]A100	101.3	—	107	B104	105.8												
—	105	A103	104.3	—	108	B105	106.8												
2730	107	[1]A105	106.3	—	109	B106	107.8												
—	112	A110	111.3	2820	111	B108	109.8												
2910	114	[1]A112	113.3	—	113	B110	111.8												
—	117	A115	116.3	2920	115	B112	113.8												
3110	122	[1]A120	121.3	—	117	B114	115.8												
—	126	A124	125.3	—	118	B115	116.8												
3310	130	[1]A128	129.3	—	119	B116	117.8												
—	135	A133	134.3	—	121	B118	119.8												
—	138	A136	137.3	3130	123	B120	121.8												
—	146	A144	145.3	—	127	B124	125.8												
—	160	A158	159.3	—	129	B126	127.8												
—	175	A173	174.3	3330	131	B128	129.8												
—	182	A180	181.3	—	133	B130	131.8												
				—	136	B133	134.8												
				3530	139	B136	137.8												
				—	141	B138	139.8												
				—	143	B140	141.8												
				—	145	B142	143.8												
				3740	147	B144	145.8												
				—	151	B148	149.8												
				—	153	B150	151.8												
				—	157	B154	155.8												
				4090	161	B158	159.8												
				4200	165	B162	163.8												
				—	169	B166	167.8												
				4480	176	B173	174.8												
				4650	183	B180	181.8												
				—	191	B188	189.8												
				—	193	B190	191.8												
				5040	198	B195	196.8												
				5300	208	B205	206.8												
				—	213	B210	211.8												
				5760	226	B225	225.3												
				6140	241	B240	240.3												
				6520	256	B255	255.3												
				6910	271	B270	270.3												
				7290	286	B285	285.3												
				7670	301	B300	300.3												
				—	316	B315	315.3												

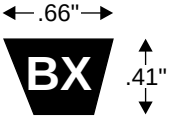
* For stock availability, see your local Gates representative.

[1] PowerBand Belts are not stocked in this size.

** The metric length designation corresponds to the joint industry standard IP-20 established by RMA/MPTA/RAC. The conventional V-belt numbers listed corresponds to these established metric lengths.

Δ Datum System is described in detail on page 219.

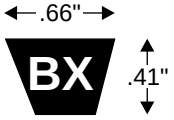
Tri-Power® Molded Notch V-Belt Sizes



AX Section				BX Section				CX Section			
RMA Nomen-clature Lengths (mm)**	Outside Circum-ference (in.)	Tri-Power Molded Notch V-Belt No.	Datum Length (in.)Δ	RMA Nomen-clature Lengths (mm)**	Outside Circum-ference (in.)	Tri-Power Molded Notch V-Belt No.	Datum Length (in.)Δ	RMA Nomen-clature Lengths (mm)**	Outside Circum-ference (in.)	Tri-Power Molded Notch V-Belt No.	Datum Length (in.)Δ
580	23	AX21*	22.3	790	31	BX28*	29.8	1400	55	CX51	53.9
605	24	AX22*	23.3	—	34	BX31	32.8	1630	64	CX60	62.9
635	25	AX23*	24.3	890	35	BX32*	33.8	1830	72	CX68	70.9
660	26	AX24*	25.3	—	37	BX34	35.8	2000	79	CX75	77.9
710	28	AX26	27.3	960	38	BX35	36.8	2160	85	CX81	83.9
735	29	AX27*	28.3	—	39	BX36	37.8	2260	89	CX85	87.9
—	30	AX28	29.3	1040	41	BX38	39.8	2390	94	CX90	92.9
785	31	AX29*	30.3	1090	43	BX40	41.8	2540	100	CX96	98.9
850	33	AX31	32.3	1120	44	BX41	42.8	2650	104	CX100	102.9
—	34	AX32	33.3	—	45	BX42	43.8	2670	105	CX101*	103.9
900	35	AX33	34.3	1170	46	BX43*	44.8	—	109	CX105	107.9
—	36	AX34	35.3	1200	47	BX44*	45.8	2800	110	CX106	108.9
950	37	AX35	36.3	—	48	BX45	46.8	—	113	CX109	111.9
—	38	AX36	37.3	1250	49	BX46	47.8	—	116	CX112	114.9
1000	39	AX37	38.3	1270	50	BX47*	48.8	3030	119	CX115	117.9
1075	40	AX38	39.3	—	51	BX48	49.8	3150	124	CX120	122.9
—	41	AX39	40.3	1330	52	BX49*	50.8	—	127	CX123	125.9
1065	42	AX40*	41.3	—	53	BX50	51.8	3350	132	CX128	130.9
—	43	AX41	42.3	—	54	BX51	52.8	—	137	CX133	135.9
1120	44	AX42	43.3	1400	55	BX52	53.8	3550	140	CX136	138.9
1150	45	AX43	44.3	—	56	BX53	54.8	3760	148	CX144	146.9
—	46	AX44		—	57	BX54	55.8	3920	154	CX150*	152.9
1190	47	AX45*	46.3	—	58	BX55	56.8	4120	162	CX158	160.9
1230	48	AX46	47.3	1500	59	BX56	57.8	4220	166	CX162	164.9
1240	49	AX47*	48.3	1530	60	BX57*	58.8	4500	177	CX173	175.9
—	50	AX48	49.3	—	61	BX58	59.8	4680	184	CX180	182.9
1295	51	AX49*	50.3	—	62	BX59	60.8	—	191	CX187	189.9
1320	52	AX50*	51.3	1600	63	BX60	61.8	—	194	CX190	192.9
—	53	AX51	52.3	—	64	BX61	62.8	5060	199	CX195	197.9
1370	54	AX52*	53.3	—	65	BX62	63.8	5440	214	CX210	212.9
1400	55	AX53	54.3	—	66	BX63	64.8	5770	227	CX225	225.9
—	56	AX54		1700	67	BX64	65.8	6150	242	CX240	240.9
—	57	AX55	56.3	—	68	BX65	66.8	6540	257	CX255	255.9
—	58	AX56	57.3	—	69	BX66	67.8	6920	272	CX270	270.9
1495	59	AX57*	58.3	—	70	BX67	68.8	7680	302	CX300	300.9
—	60	AX58	59.3	1800	71	BX68	69.8	8440	332	CX330	330.9
1545	61	AX59*	60.3	1830	72	BX69*	70.8	9200	362	CX360	360.9
1585	62	AX60	61.3	—	73	BX70	71.8				
1600	63	AX61*	62.3	—	74	BX71	72.8				
—	64	AX62	63.3	1910	75	BX72*	73.8				
1650	65	AX63*	64.3	1940	76	BX73*	74.8				
—	66	AX64	65.3	1960	77	BX74*	75.8				
1700	67	AX65*	66.3	1980	78	BX75	76.8				
—	68	AX66	67.3	2010	79	BX76*	77.8				
1750	69	AX67*	68.3	—	80	BX77	78.8				
1790	70	AX68	69.3	—	81	BX78	79.8				
1800	71	AX69*	70.3	—	82	BX79	80.8				
—	72	AX70	71.3	2110	83	BX80	81.8				
1865	73	AX71	72.3	—	84	BX81	82.8				
1875	74	AX72*	73.3	—	85	BX82	83.8				
1905	75	AX73*	74.3	—	86	BX83	84.8				
1930	76	AX74*	75.3	2210	87	BX84*	85.8				
1965	77	AX75	76.3	2240	88	BX85	86.8				
1980	78	AX76*	77.3	2270	89	BX86*	87.8				
2005	79	AX77*	78.3	2290	90	BX87*	88.8				
—	80	AX78	78.3	2320	91	BX88*	89.8				
2055	81	AX79*	80.3	2340	92	BX89*	90.8				
—	82	AX80	81.3	2360	93	BX90	91.8				
2105	83	AX81*	82.3	2390	94	BX91*	92.8				
2130	84	AX82*	83.3	2420	95	BX92*	93.8				
2220	87	AX85	86.3	—	96	BX93	94.8				
2235	88	AX86*	87.3	2470	97	BX94*	95.8				
2260	89	AX87*	88.3	2500	98	BX95	96.8				
2285	90	AX88*	89.3	—	99	BX96	97.8				
2350	92	AX90	91.3	—	100	BX97	98.8				

** The metric length designation corresponds to the joint industry standard IP-20 established by RMA/MPTA/RAC. The conventional V-belt numbers listed corresponds to these established metric lengths.
Δ Datum System is described in detail on page 219.
* New size available in 1999.

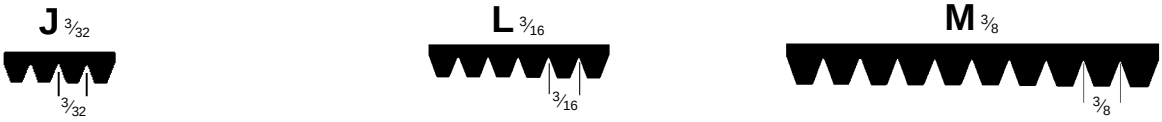
Tri-Power® Molded Notch V-Belt Sizes (continued)



AX Section				BX Section				CX Section			
RMA Nomen-clature Lengths (mm)**	Outside Circum-ference (in.)	Tri-Power Molded Notch V-Belt No.	Datum Length (in.)Δ	RMA Nomen-clature Lengths (mm)**	Outside Circum-ference (in.)	Tri-Power Molded Notch V-Belt No.	Datum Length (in.)Δ	RMA Nomen-clature Lengths (mm)**	Outside Circum-ference (in.)	Tri-Power Molded Notch V-Belt No.	Datum Length (in.)Δ
2360	93	AX91*	92.3	—	102	BX99	100.8				
2385	94	AX92*	93.3	2620	103	BX100	101.8				
2410	95	AX93*	94.3	—	106	BX103	104.8				
2435	96	AX94*	95.3	—	108	BX105	106.8				
2500	98	AX96	97.3	2820	111	BX108	109.8				
2510	99	AX97*	98.3	2920	115	BX112	113.8				
2540	100	AX98*	99.3	2950	116	BX113*	114.8				
2665	105	AX103*	104.3	—	118	BX115	116.8				
2730	107	AX105	106.3	3030	119	BX116*	117.8				
—	112	AX110	111.3	3130	123	BX120	121.8				
2910	114	AX112	113.3	—	127	BX124	125.8				
3110	122	AX120	121.3	3330	131	BX128	129.8				
3310	130	AX128	129.3	—	136	BX133	134.8				
3705	146	AX144*	145.3	3530	139	BX136	137.8				
4445	175	AX173*	174.3	3640	143	BX140*	141.8				
				3740	147	BX144	145.8				
				3890	153	BX150*	151.8				
				4090	161	BX158	159.8				
				4200	165	BX162	163.8				
				4480	176	BX173	174.8				
				4650	183	BX180	181.8				
				5040	198	BX195	196.8				
				5300	208	BX205	206.8				
				—	213	BX210	211.8				
				—	227	BX225	225.3				
				—	257	BX255	255.3				
				—	272	BX270	270.3				
				—	302	BX300	300.3				

** The metric length designation corresponds to the joint industry standard IP-20 established by RMA/MPTA/RAC. The conventional V-belt numbers listed corresponds to these established metric lengths.
Δ Datum System is described in detail on page 219.
*New size available in 1999.

Gates Micro-V® Belt Sizes



Standard Belt Effective Lengths (In.)

J Cross Section			L Cross Section			M Cross Section		
Standard* Length Designation	Standard Effective Length	Permissible Deviation From Standard Length	Standard* Length Designation	Standard Effective Length	Permissible Deviation From Standard Length	Standard* Length Designation	Standard Effective Length	Permissible Deviation From Standard Length
180*	18.0	+0.2-0.2	500	50.0	+0.2-0.4	900	90.0	+0.4-0.7
190*	19.0	+0.2-0.2	540	54.0	+0.2-0.4	940	94.0	+0.4-0.8
200*	20.0	+0.2-0.2	560	56.0	+0.2-0.4	990	99.0	+0.4-0.8
220	22.0	+0.2-0.2	615	61.5	+0.2-0.5	1060	106.0	+0.4-0.8
240	24.0	+0.2-0.2	635	63.5	+0.2-0.5	1115	111.5	+0.4-0.9
260	26.0	+0.2-0.2	655	65.5	+0.2-0.5	1150	115.0	+0.4-0.9
280	28.0	+0.2-0.2	675	67.5	+0.3-0.6	1185	118.5	+0.4-0.9
300	30.0	+0.2-0.3	695	69.5	+0.3-0.6	1230	123.0	+0.4-1.0
320	32.0	+0.2-0.3	725	72.5	+0.3-0.6	1310	131.0	+0.5-1.1
330	33.0	+0.2-0.3						
340	34.0	+0.2-0.3	765	76.5	+0.3-0.6	1390	139.0	+0.5-1.1
360	36.0	+0.2-0.3	780	78.0	+0.3-0.6	1470	147.0	+0.6-1.2
380	38.0	+0.2-0.3	795	79.5	+0.3-0.6	1610	161.0	+0.6-1.2
400	40.0	+0.2-0.3	815	81.5	+0.3-0.7	1650	165.0	+0.6-1.3
410	41.0	+0.2-0.3						
420	42.0	+0.2-0.4	840	84.0	+0.3-0.7	1760	176.0	+0.7-1.4
430	43.0	+0.2-0.4	865	86.5	+0.3-0.7	1830	183.0	+0.7-1.4
440	44.0	+0.2-0.4	915	91.5	+0.4-0.7	1980	198.0	+0.8-1.6
460	46.0	+0.2-0.4	975	97.5	+0.4-0.8	2130	213.0	+0.8-1.6
480	48.0	+0.2-0.4						
490	49.0	+0.2-0.4	990	99.0	+0.4-0.8	2410	241.0	+0.9-1.6
500	50.0	+0.2-0.4						
520	52.0	+0.2-0.4	1065	106.5	+0.4-0.8	2560	256.0	+1.0-1.8
550	55.0	+0.2-0.4						
580	58.0	+0.2-0.4	1120	112.0	+0.4-0.9	2710	271.0	+1.1-2.2
610	61.0	+0.2-0.4	1150	115.0	+0.4-0.9	3010	301.0	+1.2-2.4
650	65.0	+0.2-0.4						
730	73.0	+0.2-0.4	1215	121.5	+0.4-1.0	3310	331.0	+1.3-2.6
870	87.0	+0.2-0.4	1230	123.0	+0.4-1.0	3610	361.0	+1.4-2.9
		+0.2-0.4	1295	129.5	+0.5-1.0			
		+0.2-0.5	1310	131.0	+0.5-1.1			
		+0.2-0.5						
		+0.2-0.5						
		+0.3-0.6						
		+0.3-0.7						
			1455	145.5	+0.6-1.2			
920**	92.0	+0.4-0.7						
980**	98.0	+0.4-0.8						

*To specify belt size, use the standard length designation, followed by the letter indicating belt cross section and the number of ribs desired. For example: 865L10.
**Available up to 10 ribs only.

Table No. 1 Stock Rib Widths

Belt Section	No. Ribs (N_r)	Nom. Width (b_b)	Belt Section	No. Ribs (N_r)	Nom. Width (b_b)	Belt Section	No. Ribs (N_r)	Nom. Width (b_b)
J	4	0.368	L	6	1.110	M	6	2.220
	6	0.552		8	1.480		8	2.960
	10	0.920		10	1.850		10	3.700
	16	1.472		12	2.220		12	4.440
	20	1.840		14	2.590		14	5.180
				16	2.960		16	5.920
				18	3.330		18	6.660
				20	3.700		20	7.400

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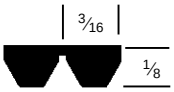
Standard Polyflex® JB® Belt Lengths



Below are the standard belt lengths, with each belt length available in two or three strands.

5M Polyflex JB				7M Polyflex JB				11M Polyflex JB			
Designation No.	Effective Length (In.)	Designation No.	Effective Length (In.)	Designation No.	Effective Length (In.)	Designation No.	Effective Length (In.)	Designation No.	Effective Length (In.)	Designation No.	Effective Length (In.)
5M280	11.0	5M670	26.4	7M500	19.3	7M1090	42.7	11M710	27.3	11M1280	49.7
5M290	11.4	5M690	27.2	7M515	19.9	7M1120	43.8	11M730	28.0	11M1320	51.3
5M300	11.8	5M710	28.0	7M530	20.5	7M1150	45.0	11M750	28.8	11M1360	52.8
5M307	12.1	5M730	28.7	7M545	21.1	7M1180	46.2	11M775	29.8	11M1400	54.4
5M315	12.4	5M750	29.5	7M560	21.6	7M1220	47.8	11M800	30.8	11M1450	56.4
5M325	12.8	5M775	30.5	7M580	22.4	7M1250	49.0	11M825	31.8	11M1500	58.4
5M335	13.2	5M800	31.5	7M600	23.2	7M1280	50.1	11M850	32.8	11M1550	60.3
5M345	13.6	5M825	32.5	7M615	23.8	7M1320	51.7	11M875	33.7	11M1600	62.3
5M355	14.0	5M850	33.5	7M630	24.4	7M1360	53.3	11M900	34.7	11M1650	64.3
5M365	14.4	5M875	34.4	7M650	25.2	7M1400	54.9	11M925	35.7	11M1700	66.2
5M375	14.8	5M900	35.4	7M670	26.0	7M1450	56.8	11M950	36.7	11M1750	68.2
5M387	15.2	5M925	36.4	7M690	26.8	7M1500	58.8	11M975	37.7	11M1800	70.2
5M400	15.7	5M950	37.4	7M710	27.7	7M1550	60.8	11M1000	38.7	11M1850	72.1
5M412	16.2	5M975	38.4	7M730	28.5	7M1600	62.7	11M1030	39.9	11M1900	74.1
5M425	16.7	5M1000	39.4	7M750	29.3	7M1650	64.7	11M1060	41.0	11M1950	76.1
5M437	17.2	5M1030	40.6	7M775	30.3	7M1700	66.7	11M1090	42.2	11M2000	78.0
5M450	17.7	5M1060	41.7	7M800	31.2	7M1750	68.6	11M1120	43.4	11M2060	80.4
5M462	18.2	5M1090	42.9	7M825	32.2	7M1800	70.6	11M1150	44.6	11M2120	82.8
5M475	18.7	5M1120	44.1	7M850	33.2	7M1850	72.6	11M1180	45.8	11M2180	85.1
5M487	19.2	5M1150	45.3	7M875	34.2	7M1900	74.6	11M1220	47.3	11M2240	87.5
5M500	19.7	5M1180	46.8	7M900	35.2	7M1950	76.5	11M1250	48.5	11M2300	89.9
5M515	20.3	5M1220	48.0	7M925	36.2	7M2000	78.5				
5M530	20.9	5M1250	49.2	7M950	37.2	7M2060	80.9				
5M545	21.5	5M1280	50.4	7M975	38.1	7M2120	83.2				
5M560	22.0	5M1320	52.0	7M1000	39.1	7M2180	85.6				
5M580	22.8	5M1360	53.5	7M1030	40.3	7M2240	87.9				
5M600	23.6	5M1400	55.1	7M1060	41.5	7M2300	90.3				
5M615	24.2	5M1450	57.1								
5M630	24.8	5M1500	59.1								
5M650	25.6										

How to Select the Correct V-Belt Drive Using Stock Sheaves and Belts

The selection tables for two-sheave speeddown drives, using standard electric motors, start on Page 22. Information includes driveN speed, sheave diameters, speed ratios, belt length, center distance and belt horsepower ratings.

Before Selecting a V-Belt Drive, You Need to Know Only These Four Things:

1. The type of application, machine, or work being done.
2. The horsepower rating and speed (RPM) of the driveR.
3. The speed (RPM) of the driveN machine or the required speed ratio.
4. The approximate center distance required.

CLUTCHING DRIVES

Refer all clutching drive applications to the Product Application Department, The Gates Rubber Company, Denver, Colorado. V-belt drives which use the belt as a clutch require special consideration because the heat generated by belt slip (during engagement and disengagement) on some clutching applications can cause some V-Belt tensile materials to shrink in length. The shrinkage may cause a belt, which is already engaged and driving, to not declutch, or a declutched belt may engage itself and start driving the machine unexpectedly. Depending on the machine and circumstances, either situation could prove dangerous to the machine operator or bystanders.

Belts specially designed to minimize or eliminate heat shrinkage may be required.

To Design a Drive, Follow These Three Steps:

Step 1 Find the Design Horsepower

Design Horsepower = (Service Factor) x (Horsepower Requirement)

A. Select the proper **Service Factor** from Table No. 2. If your driveN machine is not listed and you cannot find a machine with comparable starting, running and shock load characteristics, turn to Page 266 for assistance in selecting a Service Factor.

B. The **horsepower requirement** of the drive is usually taken as the nameplate rating of the driveR. The actual load requirement of the driveN machine may be used as the horsepower requirement if it is known. This load must be used in those applications where a small auxiliary machine is being driven from a large motor or engine.

C. Find **design horsepower** by multiplying the horsepower requirement of the drive by the service Factor.

Table No. 2 — Service Factors

DriveN Machine	DriveR					
The machines listed below are representative samples only. Select the group listed below whose load characteristics most closely approximate those of the machine being considered. See Page 266 for additional help in selecting Service Factors.	**AC Motors:** Normal Torque, Squirrel Cage, Synchronous, Split Phase. **DC Motors:** Shunt Wound. **Engines:** Multiple Cylinder Internal Combustion.*			**AC Motors:** High Torque, High Slip, Repulsion-Induction, Single Phase, Series Wound, Slip Ring. **DC Motors:** Series Wound, Compound Wound. **Engines:** Single Cylinder Internal Combustion.*		
	Line shafts			**Clutches**		
	Intermittent Service	Normal Service	Continuous Service	Intermittent Service	Normal Service	Continuous Service
	3-5 Hours Daily or Seasonal	8-10 Hours Daily	16-24 Hours Daily	3-5 Hours Daily or Seasonal	8-10 Hours Daily	16-24 Hours Daily
Dispensing, Display Equipment Instrumentation Measuring Equipment Medical Equipment Office, Projection Equipment	1.0	1.1	1.2	1.1	1.2	1.3
Agitators: Liquid Appliances, Sewing Machines, Sweepers Conveyors: Belt, Light Package Fans: Up to 10 HP Hand Tools (Power) Machine Tools: (Light) Drill Presses, Lathes, Saws Screens: Drum, Oven Woodworking Equipment: Band Saws, Drills, Lathes	1.1	1.2	1.3	1.2	1.3	1.4
Agitators: Semi-liquid Compressors: Centrifugal Centrifuges Conveyors: Belt; Coal, Ore, Sand Dough Mixers Fans: Over 10 HP Generators Laundry Equipment Line Shafts Machine Tools: (Heavy) Boring, Grinders, Milling, Shapers Paper Machinery (except Pulpers) Presses, Punches, Shears Printing Machinery Pumps: Centrifugal, Gear Screens: Revolving, Vibratory	1.1	1.2	1.4	1.2	1.3	1.5
Blowers: Positive Displacement, Mine Fans Brick Machinery Compressors: Piston Conveyors: Drag, Elevator, Pan, Screw Elevators: Bucket Exciters Extractors Mills: Hammer Paper Pulpers Pulverizers Pumps: Piston Rubber Calendars, Extruders, Mills Textile Machinery	1.2	1.3	1.5	1.4	1.5	1.6
Crushers (Gyratory-Jaw-Roll) Hoists Mills: Ball-Rod-Tube Sawmill Machinery	1.3	1.4	1.6	1.5	1.6	1.8

*Apply indicated Service Factor to continuous engine rating. Deduct 0.2 (with a minimum Service Factor of 1.0) when applying to maximum intermittent rating. The use of a Service Factor of 2.0 is recommended for equipment subject to choking. For Grain Milling and Elevator Equipment, see Mill Mutual Bulletin No. VB-601-62. For Oil Field Machinery, see API specification for Oil Field V-Belting, API Standard 1B.

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How to Select the Correct V-Belt and PowerBand® Belt Drive Using Stock Sheaves and Belts — continued

Step 2 Select the Proper V-Belt Section

Speed and Design Horsepower Determine the Proper Cross Section

A. At the bottom of the appropriate Cross Section Selection Charts following read across to the **design horsepower** of the drive, interpolating if necessary.

B. Read straight up to the **rpm of the faster shaft.** Interpolate if necessary.

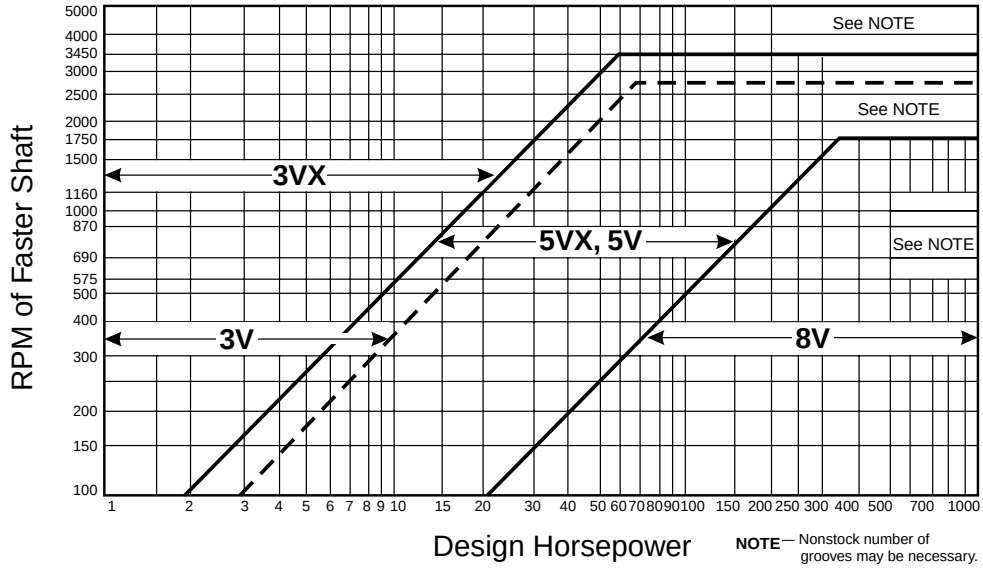
C. The cross section in the area surrounding the point of intersection which you located is the proper **belt cross section** to use.

NOTE:

If your point is near one of the lines, a good drive can be designed with the cross section on either side of the line. Design drives using both cross sections and select the most economical drive consistent with your other requirements.

Cross Section Selection Chart

(For Super HC® V-Belts, Super HC Molded Notch V-Belts and Super HC PowerBand® Belts)

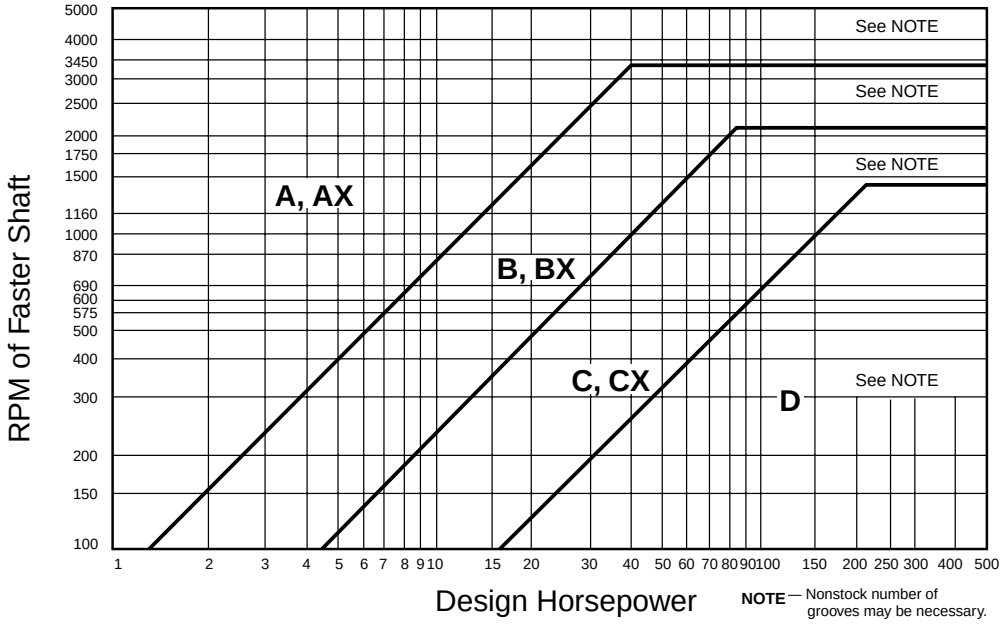


NOTE — Nonstock number of grooves may be necessary.

Figure No. 1

Cross Section Selection Chart

(For Hi-Power® II V-Belts, Hi-Power II PowerBand Belts and Tri-Power® Molded Notch V-Belts)

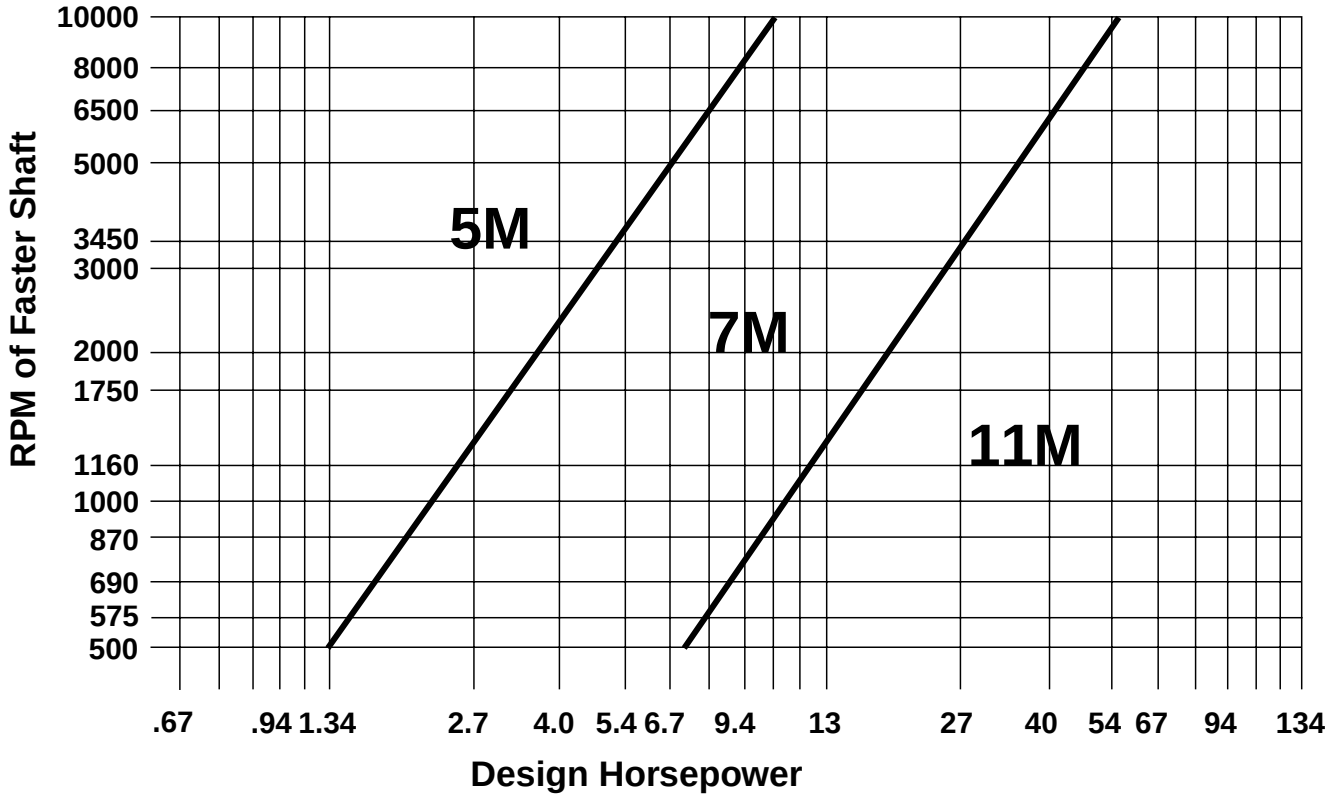


NOTE — Nonstock number of grooves may be necessary.

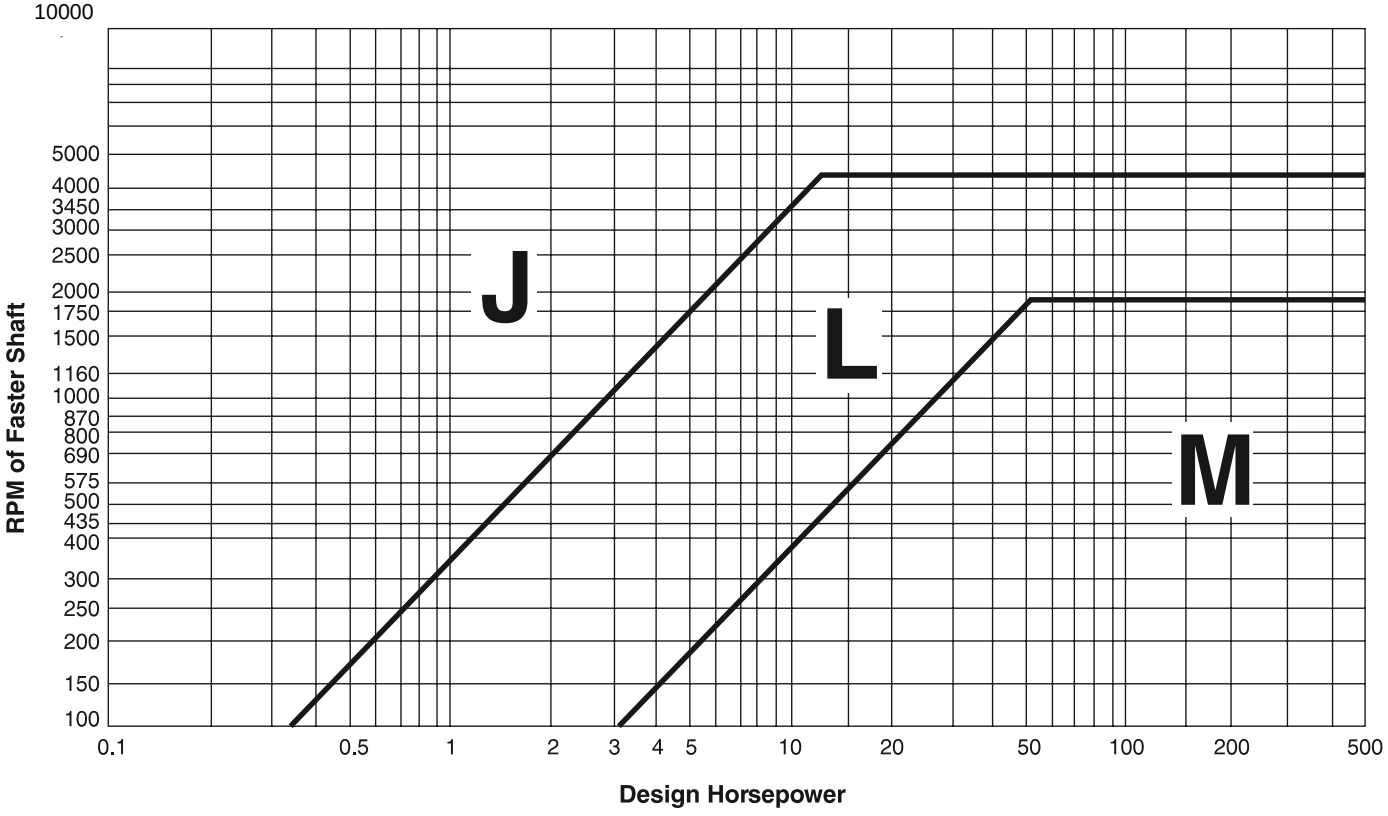
Figure No. 2

Click Here for Single Page View

Polyflex® JB® Cross Section Selection Chart



Micro-V® Belt Cross Section Selection Chart



How to Select the Correct V-Belt and PowerBand® Belt Drive Using Stock Sheaves and Belts — continued

Step 3 Select the Drive

Locate the Proper Drive Selection Table for the Cross Section You Selected.

Before following the steps below, refer to paragraph B of Step 3. It provides guidance in the selection process and serves as a final judgment of your selection.

A. For Standard Motor Speeds:

1. Read down the driveN speed column which is headed by your motor speed, to an rpm close to the desired **driveN machine speed.** If you cannot find a driveN speed close enough to meet your requirements, use the Drive Design Section to design with the exact sheave diameters you need. See Page 201.

2. To the right, in the sheave diameter columns, you will find the **small and large sheave** diameters to order for the drive. These are the two sheaves that will provide the required driveN speeds. Be sure that the motor sheave is equal to or larger than the minimum recommended diameter shown in Table Nos. 3, 4 or 5 on Page 19.

3. Read to the right the center distance value closest to the one specified. The drive components can usually be adjusted to provide for this catalog value. Read up to the top of the column for the correct V-belt for the drive.

4. Immediately below the table, you will find a color key for identifying the **horsepower correction factor.** Jot down the proper factor for the center distance you have selected.

5. Now continue to the right on the same line to the **rated horsepower per belt** for your motor rpm.

6. Multiply the rated horsepower per belt by the horsepower correction factor found from the color key to find the **horsepower per belt.**

7. Divide the design horsepower for the drive by the horsepower per belt to find the **number of belts.** The answer will usually contain a fraction. Use the next larger whole number of belts.

   If your drive requires more than the stock number of grooves, there are two possibilities:

   a. Use the diameters as selected and order the nonstock number of grooves.

   b. Turn to the drive design section and design a drive using one or two nonstock sheaves. You may be able to design a more economical drive by using larger sheaves (which results in fewer belts) in conjunction with at least one stock sheave.

8. Find the recommended **installation and takeup allowances** from Table Nos. 38 to 41 on Pages 193 and 194.

9. Calculate the minimum and maximum deflection forces and deflection distance used to statically tension the drive. These values can be found in the Tensioning Section on Pages 212 through 215.

Your design is now complete. Specify Gates Super HC® V-Belts, Hi-Power® II V-Belts, Tri-Power® Molded Notch V-Belts, Micro-V® Belts, Polyflex® JB® Belts, Super HC PowerBand® Belts or Hi-Power II PowerBand Belts when ordering. Gates PowerBand Belts are available in combinations of 2, 3, 4 or 5 strand belts as needed to equal the total number of belts.

Step 3 Select the Drive — continued

B. Final Judgment

While selecting or evaluating your drive, consider these facts:

1. If you need to keep sheave face width at a minimum, select the largest diameter drive from the group.

2. Larger diameter sheaves will also keep drive tension, and therefore shaft pulls, at a minimum.

3. In addition, larger diameter sheaves will generally give a more economical drive, but you should hesitate to select diameters so large as to require only one belt — you sacrifice multiple-belt dependability.

4. If you have limited space for your drive, consider using the smallest diameter drive from the group. However, sheaves on electric motors must be at least as large as the NEMA minimum from Table Nos. 3, 4 or 5 on Page 19.

5. When your point on the cross section selection chart is near a line, indicating that either of two cross sections can be used, the larger section will generally give a more economical drive. However, in the largest cross sections, this may require the use of standard but nonstock sheaves. In this case the drive using the small cross sections with stock sheaves will usually be more economical.

C. Other Drives

1. For drives where driveR speed is other than standard electric motor, see Example on Page 21.
   For speedup drives, see Example on Page 210.

2. For special drives not explained here (quarter turn, V-flat, idler), see Pages 247 through 254.

NEMA Minimum Sheave Diameters

Table No. 3

Minimum Recommended Sheave Outside Diameters for General Purpose Electric Motors
Super HC® V-Belts, Super HC PowerBand® Belts, Polyflex® JB® Belts

**** For U.S. Only**

Motor Horse-power	Motor RPM (60 cycle and 50 cycle Electric Motors)						Motor Horse-power
	575 485*	690 575*	870 725*	1160 950*	1750 1425*	3450 2850*	
½	—	—	2.2	—	—	—	½
¾	—	—	2.4	2.2	—	—	¾
1	3.0	2.5	2.4	2.4	2.2	—	1
1½	3.0	3.0	2.4	2.4	2.4	2.2	1½
2	3.8	3.0	3.0	2.4	2.4	2.4	2
3	4.5	3.8	3.0	3.0	2.4	2.4	3
5	4.5	4.5	3.8	3.0	3.0	2.4	5
7½	5.2	4.5	4.4	3.8	3.0	3.0	7½
10	6.0	5.2	4.4	4.4	3.8	3.0	10
15	6.8	6.0	5.2	4.4	4.4	3.8	15
20	8.2	6.8	6.0	5.2	4.4	4.4	20
25	9.0	8.2	6.8	6.0	4.4	4.4	25
30	10.0	9.0	6.8	6.8	5.2	—	30
40	10.0	10.0	8.2	6.8	6.0	—	40
50	11.0	10.0	8.4	8.2	6.8	—	50
60	12.0	11.0	10.0	8.0	7.4	—	60
75	14.0	13.0	9.5	10.0	8.6	—	75
100	18.0	15.0	12.0	10.0	8.6	—	100
125	20.0	18.0	15.0	12.0	10.5#	—	125
150	22.0	20.0	18.0	13.0	10.5	—	150
200	22.0	22.0	22.0	—	13.2	—	200
250	22.0	22.0	—	—	—	—	250
300	27.0	27.0	—	—	—	—	300

*These RPM are for 50 cycle electric motors.
#9.5 for Frame Number 444T.
Data in the white area of Table No. 5 are from NEMA Standard MG-1-14.42, November, 1978. Data in the gray area are from MG-1-14.43, January, 1968. Data in the red area are a composite of electric motor manufacturers data. They are generally conservative, and specific motors and bearings may permit the use of a smaller motor sheave. Consult the motor manufacturer. See Page 263.

Table No. 4

Minimum Recommended Sheave Datum Diameters for General Purpose Electric Motors
Hi-Power® II V-Belts, Hi-Power II PowerBand Belts or Tri-Power® Molded Notch V-Belts

**** For U.S. Only**

Motor Horse-power	Motor RPM (60 cycle and 50 cycle Electric Motors)						Motor Horse-power
	575 485*	690 575*	870 725*	1160 950*	1750 1425*	3450 2850*	
½	2.5	2.5	2.2	—	—	—	½
¾	3.0	2.5	2.4	2.2	—	—	¾
1	3.0	3.0	2.4	2.4	2.2	—	1
1½	3.0	3.0	2.4	2.4	2.4	2.2	1½
2	3.8	3.0	3.0	2.4	2.4	2.4	2
3	4.5	3.8	3.0	3.0	2.4	2.4	3
5	4.5	4.5	3.8	3.0	3.0	2.6	5
7½	5.2	4.5	4.4	3.8	3.0	3.0	7½
10	6.0	5.2	4.6	4.4	3.8	3.0	10
15	6.8	6.0	5.4	4.6	4.4	3.8	15
20	8.2	6.8	6.0	5.4	4.6	4.4	20
25	9.0	8.2	6.8	6.0	5.0	4.4	25
30	10.0	9.0	6.8	6.8	5.4	—	30
40	10.0	10.0	8.2	6.8	6.0	—	40
50	11.0	10.0	9.0	8.2	6.8	—	50
60	12.0	11.0	10.0	9.0	7.4	—	60
75	14.0	13.0	10.5	10.0	9.0	—	75
100	18.0	15.0	12.5	11.0	10.0	—	100
125	20.0	18.0	15.0	12.5	11.5†	—	125
150	22.0	20.0	18.0	13.0	—	—	150
200	22.0	22.0	22.0	—	—	—	200
250	22.0	22.0	—	—	—	—	250
300	27.0	27.0	—	—	—	—	300

*These RPM are for 50 cycle electric motors.
†11.0 for Frame Number 444T.
Data in the white area of Table No. 6 are from NEMA Standard MG-1-14.42, November, 1978. Data in the gray area are from MG-1-14.45, September, 1965. Data in the red area are a composite of electric motor manufacturers data. They are generally conservative, and specific motors and bearings may permit the use of a smaller motor sheave. Consult the motor manufacturer. See Page 263.

NOTE: For a given motor horsepower and speed, the total belt pull is related to the motor sheave size. As this size **decreases,** the total belt pull **increases.** Therefore, to limit the resultant load on motor shaft and bearings, NEMA lists minimum sheave sizes for the various motors. The sheave on the motor (DriveR Sheave) should be at least this large.

Table No. 5

Minimum Recommended Sheave Outside Diameters for General Purpose Electric Motors
Micro-V® Belts

**** For U.S. Only**

Motor Horse-power	Motor RPM (60 cycle and 50 cycle Electric Motors)					
	575 485*	690 575*	870 725*	1160 950*	1750 1425*	3450 2850*
½			2.4			
¾			2.6	2.4		
1	3.2	2.7	2.6	2.6	2.4	
1½	3.2	3.2	2.6	2.6	2.6	2.4
2	4.1	3.2	3.2	2.6	2.6	2.6
3	4.8	4.1	3.2	3.2	2.6	2.6
5	4.8	4.8	4.1	3.2	3.2	2.6
7½	5.6	4.8	4.7	4.1	3.2	3.2
10	6.4	5.6	4.7	4.7	4.1	3.2
15	7.3	6.4	5.6	4.7	4.7	4.1
20	8.8	7.3	6.4	5.6	4.7	4.7
25	9.6	8.8	7.3	6.4	4.7	4.7
30	10.7	9.6	7.3	7.3	5.6	
40	10.7	10.7	8.8	7.3	6.4	
50	11.8	10.7	9.0	8.8	7.3	
60	12.8	11.8	10.7	8.6	7.9	
75	16.0	13.9	10.2	10.7	9.2	
100	19.3	16.1	12.8	10.7	9.2	
125	21.4	19.3	16.1	12.8	11.2	
150	23.5	21.4	19.3	13.9	11.2	
200	23.5	23.5	23.5		14.1	
250	23.5	23.5				
300	28.9	28.9				

*These RPMs are for 50 Cycle electric motors.

NOTE: This table specifies the minimum recommended Micro-V sheave diameters that should be used for a given horsepower for a general purpose electric motor. If the prime mover is not an electric motor, the driveR and loaded sheaves should be at least as large as the minimum recommended diameters on the Sheave Specifications Table 81 on Page 242.

There are no NEMA recommendations for Polyflex JB Belts. Calculate belt pull and consult your motor manufacturer.

Drive Selection Example
Using a Standard Speed Electric Motor for the DriveR and Super HC® V-Belts

Given:

1. A 10 hp Squirrel Cage motor is to drive a centrifugal pump in continuous service.
2. 1750 rpm motor speed.
3. 1635 rpm desired pump speed.
4. Desired center distance about 38".

Comments	Results
Step 1 **Find the Design Horsepower**	
A. From Table No. 2 on Page 14, Service Factor is 1.2.	**Service Factor = 1.2**
B. Horsepower requirement of the drive is 10.	
C. Design Horsepower = 10 hp x 1.2 = 12 hp.	**Design Horsepower = 12**
Step 2 **Select the Proper V-Belt Section**	
A. From Figure 1 on Page 15, a drive with Design Horsepower of 12 and 1750 rpm of the faster shaft can use a 3VX section Super HC V-Belt.	**Belt Section = 3VX**
Step 3 **Select the Drive**	
A. Turn to the drive selection table for 3VX belts, Table No. 6 on Page 22.	
1. Under the column for a motor speed of 1750 rpm, find the driveN speed of 1636, closest one to the desired 1635 rpm. There are four sheave diameter combinations that give this speed. The small sheave diameter of 2.2" is smaller than the NEMA recommended minimum diameter of 3.8", and should not be used.	**Pump Speed = 1636 rpm**
2. Use the remaining combination of DriveR = 5.6" O.D.; DriveN = 6.0" O.D. The 5.6" DriveR diameter is larger than the NEMA minimum of 3.8".	**Motor Sheave = 5.6" O.D.** **Pump Sheave = 6.0" O.D.**
3. On the same line to the right, the Center Distance nearest to the desired 38" is 38.4". At the top of this column 3VX950 V-belts are specified. This means that using the two sheaves 5.6" O.D. and 6.0" O.D. with V-belt 3VX950, the drive center distance will be 38.4" (See Step 4 below.)	**Center Distance = 38.4"** **V-Belt Number = 3VX950**
4. The 38.4" center distance lies in the gray area of the table for which the color key at the bottom of Page 23 shows a 1.1 horsepower correction factor.	**Horsepower Correction Factor = 1.1**
5. Read to the right, continuing on the same line as the 38.4" center distance, to the column headed 1750 rpm to find the Rated HP per Belt. This value is 7.09.	**Rated Horsepower per Belt = 7.09**
6. The horsepower correction factor, 1.1 times the rated horsepower per belt, 7.09, is 1.1 x 7.09 = 7.8. This is the horsepower per belt.	**Horsepower per Belt = 7.8**
7. The design horsepower divided by the horsepower per belt/rib is 12 ÷ 7.8 = 1.5; or 2 belts required for the drive.	**Number of Belts = 2**
Step 4 **Determine Installation and Takeup Allowance**	
A. Center distance allowances for installation and takeup from Table No. 38 on Page 193, are 0.8" for installation and 1.5" for takeup.	**Shortest center distance = 38.4" - 0.8" = 37.6"** **Longest center distance = 38.4" + 1.5" = 39.9"**

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Drive Selection Example Using an I.C. Engine for the DriveR and Super HC® V-Belts

Given:

1. Internal Combustion Engine driving a fan, continuous service.
2. Engine Speed, 2000 rpm.
3. Engine rating, 75 HP, continuous service.
4. Desired fan speed, 1100 rpm.
5. Desired center distance about 43".

Comments

Step 1 Find the Design Horsepower

A. From Table No. 2 on Page 14, the Service Factor is 1.3.
B. Horsepower requirement is 75.
C. Design horsepower = 75 x 1.3 = 97.5

Step 2 Select the Proper V-Belt Section

A. From Figure No. 1 on Page 15, a drive with a Design Horsepower of 97.5 and 2000 rpm of the faster shaft requires a 5V or 5VX Section belt, Super HC Type. The belt section finally selected will depend on length required.

Step 3 Select the Drive

A. Sheave and Belt Size

1. Calculate the Speed Ratio; 2000 rpm ÷ 1100 rpm = 1.82.

2. Turn to the Drive Selection Tables for 5V/5VX belts. Table No. 7 on Page 44. Read down the Speed Ratio column to find a value of 1.82.

3. The stock sheaves giving this speed ratio are 10.3" and 18.7" O.D.

4. Turn to Formula No. 2 on Page 204 and check sheave rim speed of the driveR. This is approximately 5500 ft./min. which is satisfactory. (Less than 6500 ft./min.)

5. Reading across the same row containing the 10.3" and 18.7" sheaves, find a center distance of 43.0", with belt 5VX1320.

B. Determine Number of Belts Required

1. Find rated horsepower per belt = (Basic + Add-on) x Correction Factor.

(a) Turn to Table No. 10 on Page 71 and find Basic Horsepower of 37.2 for sheave size of 10.3" and speed of 2000 rpm. On the same line across, find add-on horsepower of 1.4 for speed ratio of 1.82. Total is 37.2 + 1.4 = 38.6.

(b) Determine Correction Factor. At the bottom of Page 44 where belts and sheaves were selected, note correction factor of 1.0 for C.D. of 43". Therefore the 38.6 horsepower from (a) above is unchanged.

c) Rated horsepower per belt = 38.6.

2. Divide the Design Horsepower by the Rated Horsepower per Belt/Rib: 97.5 ÷ 38.6 = 2.5 or 3 belts.

Step 4 Determine Installation and Takeup Allowance

A. From Table No. 38 on Page 193, find 1" for installation and 2.2" for takeup.

Results

Service Factor = 1.3

Design Horsepower = 97.5

Belt Section = 5V or 5VX

Speed Ratio = 1.82

Engine Sheave = 10.3"
Fan Sheave = 18.7"
Sheave Rim Speed = 5500 ft./min.

Belt = 5VX1320
Center Distance = 43"

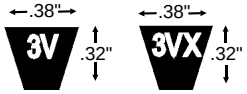
Basic HP = 37.2
Add-on HP = 1.4
Total HP = 38.6

Correction Factor = 1.0

Rated HP/belt = 38.6

3 belts required

Installation Allowance = 1.0"
Takeup Allowance = 2.2"



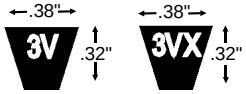
Super HC® Molded Notch V-Belt and Super HC Molded Notch PowerBand® Belt Drives

Table No. 6

DriveN Speed For Motor Speed of				Sheave Outside Diameters			V-Belt No. and Center Distance															
870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	3V 3VX 250	3VX 265	3V 3VX 280	3V 3VX 300	3V 3VX 315	3V 3VX 335	3V 3VX 355	3V 3VX 375	3V 3VX 400	3V 3VX 425	3V 3VX 450	3V 3VX 475	3V 3VX 500	3V 3VX 530	3V 3VX 560	3V 3VX 600	3V 3VX 630
870	1160	1750	3450	*2.20	*2.20	1.00	9.0	9.8	10.5	11.5	12.3	13.3	14.3	15.3	16.5	17.8	19.0	20.3	21.5	23.0	24.5	26.5	28.0
870	1160	1750	3450	*2.35	*2.35	1.00	8.8	9.6	10.3	11.3	12.1	13.1	14.1	15.1	16.3	17.6	18.8	20.1	21.3	22.8	24.3	26.3	27.8
870	1160	1750	3450	*2.50	*2.50	1.00	8.6	9.3	10.1	11.1	11.8	12.8	13.8	14.8	16.1	17.3	18.6	19.8	21.1	22.6	24.1	26.1	27.6
870	1160	1750	3450	2.65	2.65	1.00	8.3	9.1	9.8	10.8	11.6	12.6	13.6	14.6	15.8	17.1	18.3	19.6	20.8	22.3	23.8	25.8	27.3
870	1160	1750	3450	2.80	2.80	1.00	8.1	8.9	9.6	10.6	11.4	12.4	13.4	14.4	15.6	16.9	18.1	19.4	20.6	22.1	23.6	25.6	27.1
870	1160	1750	3450	3.00	3.00	1.00	7.8	8.5	9.3	10.3	11.0	12.0	13.0	14.0	15.3	16.5	17.8	19.0	20.3	21.8	23.3	25.3	26.8
870	1160	1750	3450	3.15	3.15	1.00	7.6	8.3	9.1	10.1	10.8	11.8	12.8	13.8	15.1	16.3	17.6	18.8	20.1	21.6	23.1	25.1	26.6
870	1160	1750	3450	3.35	3.35	1.00	7.2	8.0	8.7	9.7	10.5	11.5	12.5	13.5	14.7	16.0	17.2	18.5	19.7	21.2	22.7	24.7	26.2
870	1160	1750	3450	3.65	3.65	1.00	6.8	7.5	8.3	9.3	10.0	11.0	12.0	13.0	14.3	15.5	16.8	18.0	19.3	20.8	22.3	24.3	25.8
870	1160	1750	3450	4.12	4.12	1.00	6.0	6.8	7.5	8.5	9.3	10.3	11.3	12.3	13.5	14.8	16.0	17.3	18.5	20.0	21.5	23.5	25.0
870	1160	1750	3450	4.50	4.50	1.00	5.4	6.2	6.9	7.9	8.7	9.7	10.7	11.7	12.9	14.2	15.4	16.7	17.9	19.4	20.9	22.9	24.4
870	1160	1750	3450	4.75	4.75	1.00		5.8	6.5	7.5	8.3	9.3	10.3	11.3	12.5	13.8	15.0	16.3	17.5	19.0	20.5	22.5	24.0
870	1160	1750	3450	5.00	5.00	1.00			6.2	7.2	7.9	8.9	9.9	10.9	12.2	13.4	14.7	15.9	17.1	18.6	20.1	22.1	23.6
870	1160	1750	3450	5.30	5.30	1.00				6.7	7.4	8.4	9.4	10.4	11.7	12.9	14.2	15.4	16.7	18.2	19.7	21.7	23.2
870	1160	1750	3450	5.60	5.60	1.00				6.2	7.0	8.0	9.0	10.0	11.2	12.5	13.7	15.0	16.2	17.7	19.2	21.2	22.7
870	1160	1750	3450	6.00	6.00	1.00						7.3	8.3	9.3	10.6	11.8	13.1	14.3	15.6	17.1	18.6	20.6	22.1
870	1160	1750	3450	6.50	6.50	1.00							7.5	8.5	9.8	11.0	12.3	13.5	14.8	16.3	17.8	19.8	21.3
870	1160	1750	3450	6.90	6.90	1.00								7.9	9.2	10.4	11.7	12.9	14.2	15.7	17.2	19.2	20.7
870	1160	1750	3450	8.00	8.00	1.00										8.7	9.9	11.2	12.4	13.9	15.4	17.4	18.9
870	1160	1750	3450	10.60	10.60	1.00															11.4	13.4	14.9
829	1105	1667	3286	3.00	3.15	1.05	7.7	8.4	9.2	10.2	10.9	11.9	12.9	13.9	15.2	16.4	17.7	18.9	20.2	21.7	23.2	25.2	26.7
829	1105	1667	3286	4.75	5.00	1.05		5.6	6.3	7.3	8.1	9.1	10.1	11.1	12.3	13.6	14.8	16.1	17.3	18.8	20.3	22.3	23.8
821	1094	1651	3255	*2.50	2.65	1.06	8.5	9.2	10.0	11.0	11.7	12.7	13.7	14.7	16.0	17.2	18.5	19.7	21.0	22.5	24.0	26.0	27.5
821	1094	1651	3255	2.65	2.80	1.06	8.2	9.0	9.7	10.7	11.5	12.5	13.5	14.5	15.7	17.0	18.2	19.5	20.7	22.2	23.7	25.7	27.2
821	1094	1651	3255	3.15	3.35	1.06	7.4	8.1	8.9	9.9	10.6	11.6	12.6	13.6	14.9	16.1	17.4	18.6	19.9	21.4	22.9	24.9	26.4
821	1094	1651	3255	4.50	4.75	1.06	5.2	6.0	6.7	7.7	8.5	9.5	10.5	11.5	12.7	14.0	15.2	16.5	17.7	19.2	20.7	22.7	24.2
821	1094	1651	3255	5.00	5.30	1.06			5.9	6.9	7.7	8.7	9.7	10.7	11.9	13.2	14.4	15.7	16.9	18.4	19.9	21.9	23.4
821	1094	1651	3255	5.30	5.60	1.06				6.4	7.2	8.2	9.2	10.2	11.4	12.7	13.9	15.2	16.4	17.9	19.4	21.4	22.9
821	1094	1651	3255	6.50	6.90	1.06							7.2	8.2	9.5	10.7	12.0	13.2	14.5	16.0	17.5	19.5	21.0
813	1084	1636	3224	*2.20	*2.35	1.07	8.9	9.7	10.4	11.4	12.2	13.2	14.2	15.2	16.4	17.7	18.9	20.2	21.4	22.9	24.4	26.4	27.9
813	1084	1636	3224	*2.35	*2.50	1.07	8.7	9.4	10.2	11.2	11.9	12.9	13.9	14.9	16.2	17.4	18.7	19.9	21.2	22.7	24.2	26.2	27.7
813	1084	1636	3224	2.80	3.00	1.07	7.9	8.7	9.4	10.4	11.2	12.2	13.2	14.2	15.4	16.7	17.9	19.2	20.4	21.9	23.4	25.4	26.9
813	1084	1636	3224	5.60	6.00	1.07					6.6	7.6	8.6	9.6	10.9	12.1	13.4	14.6	15.9	17.4	18.9	20.9	22.4
806	1074	1620	3194	6.00	6.50	1.08						6.9	7.9	8.9	10.2	11.4	12.7	13.9	15.2	16.7	18.2	20.2	21.7
798	1064	1606	3165	3.35	3.65	1.09	7.0	7.8	8.5	9.5	10.3	11.3	12.3	13.3	14.5	15.8	17.0	18.3	19.5	21.0	22.5	24.5	26.0
798	1064	1606	3165	4.12	4.50	1.09	5.7	6.5	7.2	8.2	9.0	10.0	11.0	12.0	13.2	14.5	15.7	17.0	18.2	19.7	21.2	23.2	24.7
784	1045	1577	3108	4.50	5.00	1.11		5.8	6.5	7.5	8.3	9.3	10.3	11.3	12.5	13.8	15.0	16.3	17.5	19.0	20.5	22.5	24.0
777	1036	1563	3080	*2.50	2.80	1.12	8.3	9.1	9.8	10.8	11.6	12.6	13.6	14.6	15.8	17.1	18.3	19.6	20.8	22.3	23.8	25.8	27.3
777	1036	1563	3080	3.00	3.35	1.12	7.5	8.3	9.0	10.0	10.8	11.8	12.8	13.8	15.0	16.3	17.5	18.8	20.0	21.5	23.0	25.0	26.5
777	1036	1563	3080	4.75	5.30	1.12			6.1	7.1	7.9	8.9	9.9	10.9	12.1	13.4	14.6	15.9	17.1	18.6	20.1	22.1	23.6
777	1036	1563	3080	5.00	5.60	1.12				6.7	7.4	8.4	9.4	10.4	11.7	12.9	14.2	15.4	16.7	18.2	19.7	21.7	23.2
770	1027	1549	3053	*2.35	2.65	1.13	8.6	9.3	10.1	11.1	11.8	12.8	13.8	14.8	16.1	17.3	18.6	19.8	21.1	22.6	24.1	26.1	27.6
770	1027	1549	3053	2.65	3.00	1.13	8.1	8.8	9.6	10.6	11.3	12.3	13.3	14.3	15.6	16.8	18.1	19.3	20.6	22.1	23.6	25.6	27.1
770	1027	1549	3053	2.80	3.15	1.13	7.8	8.6	9.3	10.3	11.1	12.1	13.1	14.1	15.3	16.6	17.8	19.1	20.3	21.8	23.3	25.3	26.8
770	1027	1549	3053	3.65	4.12	1.13	6.4	7.1	7.9	8.9	9.6	10.6	11.6	12.6	13.9	15.1	16.4	17.6	18.9	20.4	21.9	23.9	25.4
770	1027	1549	3053	5.30	6.00	1.13					6.9	7.9	8.9	9.9	11.1	12.4	13.6	14.9	16.1	17.6	19.1	21.1	22.6
763	1018	1535	3026	*2.20	*2.50	1.14	8.8	9.6	10.3	11.3	12.1	13.1	14.1	15.1	16.3	17.6	18.8	20.1	21.3	22.8	24.3	26.3	27.8
757	1009	1522	3000	4.12	4.75	1.15	5.5	6.3	7.0	8.0	8.8	9.8	10.8	11.8	13.0	14.3	15.5	16.8	18.0	19.5	21.0	23.0	24.5
757	1009	1522	3000	6.00	6.90	1.15							7.6	8.6	9.9	11.1	12.4	13.6	14.9	16.4	17.9	19.9	21.4
750	1000	1509	2974	3.15	3.65	1.16	7.2	7.9	8.7	9.7	10.4	11.4	12.4	13.4	14.7	15.9	17.2	18.4	19.7	21.2	22.7	24.7	26.2
750	1000	1509	2974	5.60	6.50	1.16						7.2	8.2	9.2	10.5	11.7	13.0	14.2	15.5	17.0	18.5	20.5	22.0
750	1000	1509	2974	6.90	8.00	1.16									8.3	9.5	10.8	12.0	13.3	14.8	16.3	18.3	19.8
737	983	1483	2924	4.50	5.30	1.18		5.5	6.3	7.3	8.0	9.0	10.0	11.0	12.3	13.6	14.8	16.1	17.3	18.8	20.3	22.3	23.8
737	983	1483	2924	4.75	5.60	1.18			5.9	6.9	7.6	8.6	9.6	10.6	11.9	13.1	14.4	15.6	16.9	18.4	19.9	21.9	23.4
731	975	1471	2899	2.65	3.15	1.19	7.9	8.7	9.4	10.4	11.2	12.2	13.2	14.2	15.4	16.7	17.9	19.2	20.4	21.9	23.4	25.4	26.9
725	967	1458	2875	*2.35	2.80	1.20	8.5	9.2	10.0	11.0	11.7	12.7	13.7	14.7	16.0	17.2	18.5	19.7	21.0	22.5	24.0	26.0	27.5
725	967	1458	2875	*2.50	3.00	1.20	8.2	8.9	9.7	10.7	11.4	12.4	13.4	14.4	15.7	16.9	18.2	19.4	20.7	22.2	23.7	25.7	27.2
725	967	1458	2875	2.80	3.35	1.20	7.7	8.4	9.2	10.2	10.9	11.9	12.9	13.9	15.2	16.4	17.7	18.9	20.2	21.7	23.2	25.2	26.7

Key to correction factors: 0.8 0.9 1.0

* Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

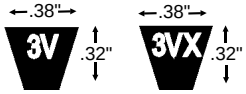


V-Belt No. and Center Distance															Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio) RPM of Small Sheave							
																	Super HC				Super HC Molded Notch			
3V 3VX 670	3V 3VX 710	3V 3VX 750	3V 3VX 800	3V 3VX 850	3V 3VX 900	3V 3VX 950	3V 3VX 1000	3V 3VX 1060	3V 3VX 1120	3V 3VX 1180	3V 3VX 1250	3V 3VX 1320	3V 3VX 1400		Small Sheave	Large Sheave	870 RPM	1160 RPM	1750 RPM	3450 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
30.0	32.0	34.0	36.5	39.0	41.5	44.0	46.5	49.5	52.5	55.5	59.0	62.5	66.5		*2.20	*2.20					.77	.98	1.37	2.30
29.8	31.8	33.8	36.3	38.8	41.3	43.8	46.3	49.3	52.3	55.3	58.8	62.3	66.3		*2.35	*2.35					.91	1.16	1.63	2.78
29.6	31.6	33.6	36.1	38.6	41.1	43.6	46.1	49.1	52.1	55.1	58.6	62.1	66.1		*2.50	*2.50					1.05	1.34	1.89	3.26
29.3	31.3	33.3	35.8	38.3	40.8	43.3	45.8	48.8	51.8	54.8	58.3	61.8	65.8		2.65	2.65	.92	1.16	1.60	2.57	1.18	1.52	2.15	3.74
29.1	31.1	33.1	35.6	38.1	40.6	43.1	45.6	48.6	51.6	54.6	58.1	61.6	65.6		2.80	2.80	1.06	1.34	1.86	3.04	1.32	1.69	2.41	4.21
28.8	30.8	32.8	35.3	37.8	40.3	42.8	45.3	48.3	51.3	54.3	57.8	61.3	65.3		3.00	3.00	1.24	1.58	2.20	3.65	1.50	1.93	2.75	4.82
28.6	30.6	32.6	35.1	37.6	40.1	42.6	45.1	48.1	51.1	54.1	57.6	61.1	65.1		3.15	3.15	1.38	1.76	2.46	4.11	1.63	2.10	3.01	5.28
28.2	30.2	32.2	34.7	37.2	39.7	42.2	44.7	47.7	50.7	53.7	57.2	60.7	64.7		3.35	3.35	1.56	1.99	2.80	4.71	1.81	2.34	3.34	5.89
27.8	29.8	31.8	34.3	36.8	39.3	41.8	44.3	47.3	50.3	53.3	56.8	60.3	64.3		3.65	3.65	1.83	2.35	3.31	5.59	2.08	2.68	3.85	6.78
27.0	29.0	31.0	33.5	36.0	38.5	41.0	43.5	46.5	49.5	52.5	56.0	59.5	63.5		4.12	4.12	2.25	2.89	4.09	6.92	2.49	3.22	4.63	8.15
26.4	28.4	30.4	32.9	35.4	37.9	40.4	42.9	45.9	48.9	51.9	55.4	58.9	62.9		4.50	4.50	2.59	3.33	4.72	7.95	2.82	3.65	5.25	9.21
26.0	28.0	30.0	32.5	35.0	37.5	40.0	42.5	45.5	48.5	51.5	55.0	58.5	62.5		4.75	4.75	2.81	3.61	5.12	8.60	3.04	3.93	5.65	9.90
25.6	27.6	29.6	32.1	34.6	37.1	39.6	42.2	45.2	48.2	51.2	54.7	58.2	62.2		5.00	5.00	3.03	3.89	5.53	9.24	3.26	4.21	6.06	10.60
25.2	27.2	29.2	31.7	34.2	36.7	39.2	41.7	44.7	47.7	50.7	54.2	57.7	61.7		5.30	5.30	3.29	4.23	6.00	9.98	3.51	4.55	6.53	11.40
24.7	26.7	28.7	31.2	33.7	36.2	38.7	41.2	44.2	47.2	50.2	53.7	57.2	61.2		5.60	5.60	3.55	4.57	6.48	10.70	3.77	4.88	7.01	12.10
24.1	26.1	28.1	30.6	33.1	35.6	38.1	40.6	43.6	46.6	49.6	53.1	56.6	60.6		6.00	6.00	3.89	5.01	7.10	11.60	4.11	5.32	7.63	13.10
23.3	25.3	27.3	29.8	32.3	34.8	37.3	39.8	42.8	45.8	48.8	52.3	55.8	59.8		6.50	6.50	4.32	5.56	7.86	12.60	4.53	5.87	8.40	14.30
22.7	24.7	26.7	29.2	31.7	34.2	36.7	39.2	42.2	45.2	48.2	51.7	55.2	59.2		6.90	6.90	4.66	5.99	8.46	13.40	4.87	6.30	9.01	15.20
20.9	22.9	24.9	27.4	29.9	32.4	34.9	37.4	40.4	43.4	46.4	49.9	53.4	57.4		8.00	8.00	5.57	7.16	10.0	†	5.78	7.47	10.60	†
16.9	18.9	20.9	23.4	25.9	28.4	30.9	33.4	36.4	39.4	42.4	45.9	49.4	53.4		10.60	10.60	7.67	9.79	13.5	†	7.87	10.10	14.20	†
28.7	30.7	32.7	35.2	37.7	40.2	42.7	45.2	48.2	51.2	54.2	57.7	61.2	65.2		3.00	3.15	1.26	1.60	2.23	3.71	1.53	1.97	2.81	4.93
25.8	27.8	29.8	32.3	34.8	37.3	39.8	42.3	45.3	48.3	51.3	54.8	58.3	62.3		4.75	5.00	2.83	3.63	5.15	8.66	3.07	3.97	5.71	10.00
29.5	31.5	33.5	36.0	38.5	41.0	43.5	46.0	49.0	52.0	55.0	58.5	62.0	66.0		*2.50	2.65					1.08	1.38	1.95	3.37
29.2	31.2	33.2	35.7	38.2	40.7	43.2	45.7	48.7	51.7	54.7	58.2	61.7	65.7		2.65	2.80	.96	1.22	1.69	2.74	1.21	1.56	2.21	3.85
28.4	30.4	32.4	34.9	37.4	39.9	42.4	44.9	47.9	50.9	53.9	57.4	60.9	64.9		3.15	3.35	1.42	1.82	2.55	4.28	1.66	2.14	3.07	5.39
26.2	28.2	30.2	32.7	35.2	37.7	40.2	42.7	45.7	48.7	51.7	55.2	58.7	62.7		4.50	4.75	2.63	3.39	4.81	8.12	2.85	3.69	5.31	9.32
25.4	27.4	29.4	31.9	34.4	36.9	39.4	41.9	44.9	47.9	50.9	54.4	57.9	61.9		5.00	5.30	3.07	3.95	5.62	9.41	3.29	4.25	6.12	10.70
24.9	26.9	28.9	31.4	33.9	36.4	38.9	41.4	44.4	47.4	50.4	53.9	57.4	61.4		5.30	5.60	3.33	4.29	6.09	10.20	3.54	4.59	6.59	11.50
23.0	25.0	27.0	29.5	32.0	34.5	37.0	39.5	42.5	45.5	48.5	52.0	55.5	59.5		6.50	6.90	4.36	5.62	7.95	12.80	4.56	5.91	8.46	14.40
29.9	31.9	33.9	36.4	38.9	41.4	43.9	46.4	49.4	52.4	55.4	58.9	62.4	66.4		*2.20	*2.35					.81	1.03	1.45	2.46
29.7	31.7	33.7	36.2	38.7	41.2	43.7	46.2	49.2	52.2	55.2	58.7	62.2	66.2		*2.35	*2.50					.95	1.21	1.71	2.94
28.9	30.9	32.9	35.4	37.9	40.4	42.9	45.4	48.4	51.4	54.4	57.9	61.4	65.4		2.80	3.00	1.10	1.40	1.95	3.21	1.36	1.74	2.49	4.37
24.4	26.4	28.4	30.9	33.4	35.9	38.4	40.9	43.9	46.9	49.9	53.4	56.9	60.9		5.60	6.00	3.59	4.63	6.57	10.90	3.81	4.93	7.09	12.30
23.7	25.7	27.7	30.2	32.7	35.2	37.7	40.2	43.2	46.2	49.2	52.7	56.2	60.2		6.00	6.50	3.93	5.07	7.19	11.80	4.15	5.37	7.71	13.30
28.0	30.0	32.0	34.5	37.0	39.5	42.0	44.5	47.5	50.5	53.5	57.0	60.5	64.5		3.35	3.65	1.60	2.05	2.89	4.88	1.85	2.39	3.42	6.05
26.7	28.7	30.7	33.2	35.7	38.2	40.7	43.2	46.2	49.2	52.2	55.7	59.2	63.2		4.12	4.50	2.29	2.95	4.18	7.09	2.53	3.27	4.71	8.31
26.0	28.0	30.0	32.5	35.0	37.5	40.0	42.5	45.5	48.5	51.5	55.0	58.5	62.5		4.50	5.00	2.63	3.39	4.81	8.12	2.87	3.72	5.36	9.43
29.3	31.3	33.3	35.6	38.3	40.8	43.3	45.8	48.8	51.8	54.8	58.3	61.8	65.8		*2.50	2.80					1.10	1.41	2.00	3.48
28.5	30.5	32.5	35.0	37.5	40.0	42.5	45.0	48.0	51.0	54.0	57.5	61.0	65.0		3.00	3.35	1.31	1.68	2.35	3.95	1.55	2.00	2.86	5.04
25.6	27.6	29.6	32.1	34.6	37.1	39.6	42.1	45.1	48.1	51.1	54.6	58.1	62.1		4.75	5.30	2.88	3.71	5.27	8.90	3.09	4.00	5.76	10.10
25.2	27.2	29.2	31.7	34.2	36.7	39.2	41.7	44.7	47.7	50.7	54.2	57.7	61.7		5.00	5.60	3.10	3.99	5.68	9.54	3.31	4.28	6.17	10.80
29.6	31.6	33.6	36.1	38.6	41.1	43.6	46.1	49.1	52.1	55.1	58.6	62.1	66.1		*2.35	2.65					.96	1.23	1.74	3.00
29.1	31.1	33.1	35.6	38.1	40.6	43.1	45.6	48.6	51.6	54.6	58.1	61.6	65.6		2.65	3.00	.99	1.26	1.75	2.87	1.23	1.59	2.26	3.96
28.8	30.8	32.8	35.3	37.8	40.3	42.8	45.3	48.3	51.3	54.3	57.8	61.3	65.3		2.80	3.15	1.13	1.44	2.01	3.34	1.37	1.76	2.52	4.43
27.4	29.4	31.4	33.9	36.4	38.9	41.4	43.9	46.9	49.9	52.9	56.4	59.9	63.9		3.65	4.12	1.90	2.45	3.46	5.89	2.13	2.75	3.96	7.00
24.6	26.6	28.6	31.1	33.6	36.1	38.6	41.1	44.1	47.1	50.1	53.6	57.1	61.1		5.30	6.00	3.36	4.33	6.15	10.30	3.56	4.62	6.64	11.60
29.8	31.8	33.8	36.3	38.8	41.3	43.8	46.3	49.3	52.3	55.3	58.8	62.3	66.3		*2.20	*2.50					.84	1.07	1.50	2.56
26.5	28.5	30.5	33.0	35.5	38.0	40.5	43.0	46.0	49.0	52.0	55.5	59.0	63.0		4.12	4.75	2.32	2.99	4.24	7.22	2.56	3.31	4.76	8.41
23.4	25.4	27.4	29.9	32.4	34.9	37.4	39.9	42.9	45.9	48.9	52.4	55.9	59.9		6.00	6.90	3.96	5.11	7.25	11.90	4.18	5.41	7.76	13.40
28.2	30.2	32.2	34.7	37.2	39.7	42.2	44.7	47.7	50.7	53.7	57.2	60.7	64.7		3.15	3.65	1.45	1.86	2.61	4.41	1.70	2.19	3.14	5.54
24.0	26.0	28.0	30.5	33.0	35.5	38.0	40.5	43.5	46.5	49.5	53.0	56.5	60.5		5.60	6.50	3.62	4.67	6.63	11.00	3.84	4.97	7.14	12.40
21.8	23.8	25.8	28.3	30.8	33.3	35.8	38.3	41.3	44.3	47.3	50.8	54.3	58.3		6.90	8.00	4.73	6.09	8.61	13.70	4.94	6.39	9.14	15.50
25.8	27.8	29.8	32.3	34.8	37.3	39.8	42.3	45.3	48.3	51.3	54.8	58.3	62.3		4.50	5.30	2.66	3.43	4.87	8.25	2.89	3.74	5.38	9.47
25.4	27.4	29.4	31.9	34.4	36.9	39.4	41.9	44.9	47.9	50.9	54.4	57.9	61.9		4.75	5.60	2.88	3.71	5.27	8.90	3.11	4.02	5.78	10.20
28.9	30.9	32.9	35.4	37.9	40.4	42.9	45.4	48.4	51.4	54.4	57.9	61.4	65.4		2.65	3.15	1.02	1.30	1.80	2.97	1.26	1.63	2.32	4.07
29.5	31.5	33.5	36.0	38.5	41.0	43.5	46.0	49.0	52.0	55.0	58.5	62.0	66.0		*2.35	2.80					.99	1.27	1.80	3.11
29.2	31.2	33.2	35.7	38.2	40.7	43.2	45.7	48.7	51.7	54.7	58.2	61.7	65.7		*2.50	3.00					1.13	1.45	2.06	3.59
28.7	30.7	32.7	35.2	37.7	40.2	42.7	45.2	48.2	51.2	54.2	57.7	61.2	65.2		2.80	3.35	1.16	1.48	2.06	3.44	1.40	1.80	2.58	4.54

Key to correction factors: 1.0 1.1 1.2

† Rim speed higher than 6,500 feet per minute. See Page 218.

* Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.



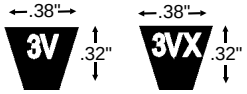
Super HC® Molded Notch V-Belt and Super HC Molded Notch PowerBand® Belt Drives

Table No. 6

DriveN Speed For Motor Speed of				Sheave Outside Diameters			V-Belt No. and Center Distance																
870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	3V 3VX 250	3VX 265	3V 3VX 280	3V 3VX 300	3V 3VX 315	3V 3VX 335	3V 3VX 355	3V 3VX 375	3V 3VX 400	3V 3VX 425	3V 3VX 450	3V 3VX 475	3V 3VX 500	3V 3VX 530	3V 3VX 560	3V 3VX 600	3V 3VX 630
725	967	1458	2875	5.00	6.00	1.20				6.3	7.1	8.1	9.1	10.1	11.4	12.6	13.9	15.1	16.4	17.9	19.4	21.4	22.9
719	959	1446	2851	*2.20	2.65	1.21	8.7	9.4	10.2	11.2	11.9	12.9	13.9	14.9	16.2	17.4	18.7	19.9	21.2	22.7	24.2	26.2	27.7
713	951	1434	2828	3.00	3.65	1.22	7.3	8.0	8.8	9.8	10.5	11.5	12.5	13.5	14.8	16.0	17.3	18.5	19.8	21.3	22.8	24.8	26.3
713	951	1434	2828	4.12	5.00	1.22	5.3	6.1	6.8	7.8	8.6	9.6	10.6	11.6	12.8	14.1	15.3	16.6	17.8	19.3	20.8	22.8	24.3
707	943	1423	2805	3.35	4.12	1.23	6.6	7.4	8.1	9.1	9.9	10.9	11.9	12.9	14.1	15.4	16.6	17.9	19.1	20.6	22.1	24.1	25.6
707	943	1423	2805	5.30	6.50	1.23					6.5	7.5	8.5	9.5	10.7	12.0	13.2	14.5	15.7	17.2	18.7	20.7	22.2
707	943	1423	2805	5.60	6.90	1.23						6.9	7.9	8.9	10.2	11.4	12.7	13.9	15.2	16.7	18.2	20.2	21.7
707	943	1423	2805	6.50	8.00	1.23									8.6	9.8	11.1	12.3	13.6	15.1	16.6	18.6	20.1
702	935	1411	2782	3.65	4.50	1.24	6.1	6.8	7.6	8.6	9.3	10.3	11.3	12.3	13.6	14.8	16.1	17.3	18.6	20.1	21.6	23.6	25.1
696	928	1400	2760	4.50	5.60	1.25			6.0	7.1	7.8	8.8	9.8	10.8	12.1	13.3	14.6	15.8	17.1	18.6	20.1	22.1	23.6
685	913	1378	2717	*2.50	3.15	1.27	8.1	8.8	9.6	10.6	11.3	12.3	13.3	14.3	15.6	16.8	18.1	19.3	20.6	22.1	23.6	25.6	27.1
685	913	1378	2717	2.65	3.35	1.27	7.8	8.5	9.3	10.3	11.0	12.0	13.0	14.0	15.3	16.5	17.8	19.0	20.3	21.8	23.3	25.3	26.8
685	913	1378	2717	4.75	6.00	1.27				6.5	7.3	8.3	9.3	10.3	11.5	12.8	14.0	15.3	16.5	18.1	19.6	21.6	23.1
680	906	1367	2695	*2.20	2.80	1.28	8.6	9.3	10.1	11.1	11.8	12.8	13.8	14.8	16.1	17.3	18.6	19.8	21.1	22.6	24.1	26.1	27.6
680	906	1367	2695	*2.35	3.00	1.28	8.3	9.0	9.8	10.8	11.5	12.5	13.5	14.5	15.8	17.0	18.3	19.5	20.8	22.3	23.8	25.8	27.3
674	899	1357	2674	4.12	5.30	1.29		5.8	6.6	7.6	8.3	9.3	10.3	11.3	12.6	13.8	15.1	16.3	17.6	19.1	20.6	22.6	24.1
669	892	1346	2654	5.00	6.50	1.30					6.7	7.7	8.7	9.7	10.9	12.2	13.5	14.7	16.0	17.5	19.0	21.0	22.5
669	892	1346	2654	5.30	6.90	1.30						7.1	8.1	9.1	10.4	11.6	12.9	14.2	15.4	16.9	18.4	20.4	21.9
664	885	1336	2634	2.80	3.65	1.31	7.4	8.2	8.9	9.9	10.7	11.7	12.7	13.7	14.9	16.2	17.4	18.7	19.9	21.4	22.9	24.9	26.4
664	885	1336	2634	3.15	4.12	1.31	6.8	7.5	8.3	9.3	10.0	11.0	12.0	13.0	14.3	15.5	16.8	18.0	19.3	20.8	22.3	24.3	25.8
664	885	1336	2634	3.65	4.75	1.31	5.9	6.6	7.4	8.4	9.1	10.1	11.1	12.1	13.4	14.6	15.9	17.1	18.4	19.9	21.4	23.4	24.9
659	879	1326	2614	10.60	14.00	1.32																	
654	872	1316	2594	8.00	10.60	1.33													10.3	11.8	13.3	15.3	16.8
649	866	1306	2575	4.50	6.00	1.34				6.7	7.5	8.5	9.5	10.5	11.7	13.0	14.2	15.5	16.7	18.2	19.7	21.7	23.2
649	866	1306	2575	6.00	8.00	1.34								7.7	9.0	10.2	11.5	12.7	14.0	15.5	17.0	19.0	20.5
644	859	1296	2556	*2.35	3.15	1.35	8.2	8.9	9.7	10.7	11.4	12.4	13.4	14.4	15.7	16.9	18.2	19.4	20.7	22.2	23.7	25.7	27.2
644	859	1296	2556	*2.50	3.35	1.35	7.9	8.6	9.4	10.4	11.1	12.2	13.2	14.2	15.4	16.7	17.9	19.2	20.4	21.9	23.4	25.4	26.9
644	859	1296	2556	3.35	4.50	1.35	6.3	7.1	7.8	8.8	9.6	10.6	11.6	12.6	13.8	15.1	16.3	17.6	18.8	20.3	21.8	23.8	25.3
640	853	1287	2537	4.12	5.60	1.36		5.6	6.3	7.3	8.1	9.1	10.1	11.1	12.3	13.6	14.9	16.1	17.4	18.9	20.4	22.4	23.9
635	847	1277	2518	*2.20	3.00	1.37	8.4	9.2	9.9	10.9	11.7	12.7	13.7	14.7	15.9	17.2	18.4	19.7	20.9	22.4	23.9	25.9	27.4
635	847	1277	2518	4.75	6.50	1.37					6.9	7.9	8.9	9.9	11.1	12.4	13.6	14.9	16.1	17.6	19.1	21.2	22.7
630	841	1268	2500	2.65	3.65	1.38	7.5	8.3	9.0	10.0	10.8	11.8	12.8	13.8	15.0	16.3	17.5	18.8	20.0	21.5	23.0	25.0	26.5
630	841	1268	2500	3.00	4.12	1.38	6.9	7.6	8.4	9.4	10.1	11.1	12.1	13.1	14.4	15.7	16.9	18.2	19.4	20.9	22.4	24.4	25.9
630	841	1268	2500	3.65	5.00	1.38	5.7	6.4	7.2	8.2	8.9	9.9	10.9	11.9	13.2	14.4	15.7	16.9	18.2	19.7	21.2	23.2	24.7
630	841	1268	2500	5.00	6.90	1.38						7.3	8.4	9.4	10.6	11.9	13.1	14.4	15.6	17.1	18.6	20.6	22.1
613	817	1232	2430	3.35	4.75	1.42	6.1	6.9	7.6	8.6	9.4	10.4	11.4	12.4	13.6	14.9	16.1	17.4	18.6	20.1	21.6	23.6	25.1
608	811	1224	2413	*2.35	3.35	1.43	8.0	8.8	9.5	10.5	11.3	12.3	13.3	14.3	15.5	16.8	18.0	19.3	20.5	22.0	23.5	25.5	27.0
608	811	1224	2413	5.60	8.00	1.43								8.0	9.2	10.5	11.8	13.0	14.3	15.8	17.3	19.3	20.8
604	806	1215	2396	*2.20	3.15	1.44	8.3	9.0	9.8	10.8	11.5	12.5	13.5	14.5	15.8	17.0	18.3	19.5	20.8	22.3	23.8	25.8	27.3
604	806	1215	2396	3.15	4.50	1.44	6.5	7.2	8.0	9.0	9.7	10.7	11.7	12.7	14.0	15.2	16.5	17.7	19.0	20.5	22.0	24.0	25.5
600	800	1207	2379	4.50	6.50	1.45				6.3	7.0	8.1	9.1	10.1	11.3	12.6	13.8	15.1	16.3	17.8	19.3	21.3	22.8
596	795	1199	2363	3.65	5.30	1.46	5.4	6.2	6.9	7.9	8.7	9.7	10.7	11.7	12.9	14.2	15.5	16.7	18.0	19.5	21.0	23.0	24.5
596	795	1199	2363	4.12	6.00	1.46			6.0	7.0	7.7	8.8	9.8	10.8	12.0	13.3	14.5	15.8	17.0	18.5	20.0	22.0	23.5
596	795	1199	2363	4.75	6.90	1.46					6.5	7.5	8.5	9.5	10.8	12.1	13.3	14.6	15.8	17.3	18.8	20.8	22.3
592	789	1190	2347	*2.50	3.65	1.47	7.7	8.4	9.2	10.2	10.9	11.9	12.9	13.9	15.2	16.4	17.7	18.9	20.2	21.7	23.6	25.2	26.7
588	784	1182	2331	2.80	4.12	1.48	7.0	7.8	8.5	9.5	10.3	11.3	12.3	13.3	14.6	15.8	17.1	18.3	19.6	21.1	22.6	24.6	26.1
580	773	1167	2300	3.35	5.00	1.50	5.9	6.6	7.4	8.4	9.2	10.2	11.2	12.2	13.4	14.7	15.9	17.2	18.4	19.9	21.4	23.4	24.9
576	768	1159	2285	3.00	4.50	1.51	6.6	7.3	8.1	9.1	9.8	10.8	11.8	12.8	14.1	15.3	16.6	17.8	19.1	20.6	22.1	24.1	25.6
576	768	1159	2285	5.30	8.00	1.51							7.2	8.2	9.5	10.7	12.0	13.2	14.5	16.0	17.5	19.5	21.0
572	763	1151	2270	3.15	4.75	1.52	6.2	7.0	7.8	8.8	9.5	10.5	11.5	12.5	13.8	15.0	16.3	17.5	18.8	20.3	21.8	23.8	25.3
569	758	1144	2255	*2.20	3.35	1.53	8.1	8.9	9.6	10.6	11.4	12.4	13.4	14.4	15.6	16.9	18.1	19.4	20.6	22.1	23.6	25.6	27.1
565	753	1136	2240	3.65	5.60	1.54		5.9	6.7	7.7	8.4	9.4	10.4	11.4	12.7	14.0	15.2	16.5	17.7	19.2	20.7	22.7	24.2
565	753	1136	2240	4.50	6.90	1.54					6.7	7.7	8.7	9.7	11.0	12.2	13.5	14.8	16.0	17.5	19.0	21.0	22.5
565	753	1136	2240	6.90	10.60	1.54												9.8	11.1	12.6	14.1	16.2	17.7
554	739	1115	2197	*2.35	3.65	1.57	7.8	8.5	9.3	10.3	11.0	12.0	13.0	14.0	15.3	16.5	17.8	19.0	20.3	21.8	23.3	25.3	26.8
554	739	1115	2197	2.65	4.12	1.57	7.1	7.9	8.7	9.7	10.4	11.4	12.4	13.4	14.7	15.9	17.2	18.4	19.7	21.2	22.7	24.7	26.2
551	734	1108	2184	4.12	6.50	1.58				6.6	7.3	8.3	9.3	10.3	11.6	12.9	14.1	15.4	16.6	18.1	19.6	21.6	23.1
547	730	1101	2170	3.00	4.75	1.59	6.4	7.1	7.9	8.9	9.6	10.6	11.6	12.6	13.9	15.1	16.4	17.6	18.9	20.4	21.9	23.9	25.4

Key to correction factors: 0.8 0.9 1.0

* Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

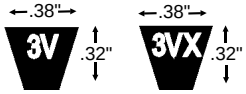


V-Belt No. and Center Distance															Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio) RPM of Small Sheave							
																	Super HC				Super HC Molded Notch			
3V 3VX 670	3V 3VX 710	3V 3VX 750	3V 3VX 800	3V 3VX 850	3V 3VX 900	3V 3VX 950	3V 3VX 1000	3V 3VX 1060	3V 3VX 1120	3V 3VX 1180	3V 3VX 1250	3V 3VX 1320	3V 3VX 1400		Small Sheave	Large Sheave	870 RPM	1160 RPM	1750 RPM	3450 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
24.9	26.9	28.9	31.4	33.9	36.4	38.9	41.4	44.4	47.4	50.4	53.9	57.4	61.4		5.00	6.00	3.13	4.03	5.73	9.64	3.34	4.32	6.23	10.90
29.7	31.7	33.7	36.2	38.7	41.2	43.7	46.2	49.2	52.2	55.2	58.7	62.2	66.2		*2.20	2.65					.85	1.09	1.54	2.63
28.3	30.3	32.3	34.8	37.3	39.8	42.3	44.8	47.8	50.8	53.8	57.3	60.8	64.8		3.00	3.65	1.34	1.72	2.40	4.05	1.58	2.04	2.92	5.15
26.3	28.3	30.3	32.8	35.3	37.8	40.3	42.8	45.8	48.8	51.8	55.3	58.8	62.8		4.12	5.00	2.35	3.03	4.29	7.32	2.57	3.33	4.80	8.48
27.6	29.6	31.6	34.1	36.6	39.1	41.6	44.1	47.1	50.1	53.1	56.6	60.1	64.1		3.35	4.12	1.66	2.13	3.00	5.11	1.89	2.45	3.51	6.22
24.2	26.2	28.2	30.7	33.2	35.7	38.2	40.7	43.7	46.7	49.7	53.2	56.7	60.7		5.30	6.50	3.39	4.37	6.20	10.40	3.59	4.66	6.70	11.70
23.7	25.7	27.7	30.2	32.7	35.2	37.7	40.2	43.2	46.2	49.2	52.7	56.2	60.2		5.60	6.90	3.65	4.71	6.68	11.10	3.85	4.99	7.18	12.40
22.1	24.1	26.1	28.6	31.1	33.6	36.1	38.6	41.6	44.6	47.6	51.1	54.6	58.6		6.50	8.00	4.42	5.70	8.06	13.00	4.61	5.98	8.57	14.60
27.1	29.1	31.1	33.6	36.1	38.6	41.1	43.6	46.6	49.6	52.6	56.1	59.6	63.6		3.65	4.50	1.93	2.49	3.51	5.99	2.16	2.79	4.02	7.11
25.6	27.6	29.6	32.1	34.6	37.1	39.6	42.1	45.1	48.1	51.1	54.6	58.1	62.1		4.50	5.60	2.69	3.47	4.92	8.35	2.90	3.76	5.42	9.54
29.1	31.1	33.1	35.6	38.1	40.6	43.1	45.6	48.6	51.6	54.6	58.1	61.6	65.6		*2.50	3.15					1.15	1.47	2.08	3.64
28.8	30.8	32.8	35.3	37.8	40.3	42.8	45.3	48.3	51.3	54.3	57.8	61.3	65.3		2.65	3.35	1.04	1.32	1.85	3.06	1.28	1.65	2.34	4.12
25.1	27.1	29.1	31.6	34.1	36.6	39.1	41.6	44.6	47.6	50.6	54.1	57.6	61.6		4.75	6.00	2.93	3.77	5.37	9.09	3.14	4.06	5.84	10.30
29.6	31.6	33.6	36.1	38.6	41.1	43.6	46.1	49.1	52.1	55.1	58.6	62.1	66.1		*2.20	2.80					.87	1.11	1.56	2.68
29.3	31.3	33.3	35.8	38.3	40.8	43.3	45.8	48.8	51.8	54.8	58.3	61.8	65.8		*2.35	3.00					1.01	1.29	1.82	3.16
26.1	28.1	30.1	32.6	35.1	37.6	40.1	42.6	45.6	48.6	51.6	55.1	58.6	62.6		4.12	5.30	2.37	3.05	4.34	7.41	2.59	3.35	4.82	8.53
24.5	26.5	28.5	31.0	33.5	36.0	38.5	41.0	44.0	47.0	50.0	53.5	57.0	61.0		5.00	6.50	3.15	4.05	5.78	9.73	3.36	4.34	6.25	11.00
23.9	25.9	27.9	30.4	32.9	35.4	37.9	40.4	43.4	46.4	49.4	52.9	56.4	60.4		5.30	6.90	3.41	4.39	6.25	10.50	3.61	4.68	6.72	11.80
28.4	30.4	32.4	34.9	37.4	39.9	42.4	44.9	47.9	50.9	53.9	57.4	60.9	64.9		2.80	3.65	1.18	1.50	2.11	3.53	1.42	1.82	2.60	4.59
27.8	29.8	31.8	34.3	36.8	39.3	41.8	44.3	47.3	50.3	53.3	56.8	60.3	64.3		3.15	4.12	1.50	1.92	2.71	4.60	1.73	2.23	3.20	5.66
26.9	28.9	30.9	33.4	35.9	38.4	40.9	43.4	46.4	49.4	52.4	55.9	59.4	63.4		3.65	4.75	1.95	2.51	3.56	6.08	2.18	2.81	4.04	7.16
14.1	16.1	18.1	20.6	23.1	25.6	28.1	30.6	33.6	36.6	39.7	43.2	46.7	50.7		10.60	14.00	7.79	9.95	13.80	†	7.97	10.20	14.40	†
18.9	20.9	22.9	25.4	27.9	30.4	32.9	35.4	38.4	41.4	44.4	47.9	51.4	55.4		8.00	10.60	5.69	7.32	10.30	†	5.88	7.60	10.80	†
25.2	27.2	29.2	31.7	34.2	36.7	39.3	41.8	44.8	47.8	50.8	54.3	57.8	61.8		4.50	6.00	2.71	3.49	4.97	8.44	2.92	3.78	5.44	9.59
22.5	24.5	26.5	29.0	31.5	34.0	36.5	39.0	42.0	45.0	48.0	51.5	55.0	59.0		6.00	8.00	4.01	5.17	7.35	12.10	4.21	5.45	7.82	13.50
29.2	31.2	33.2	35.7	38.2	40.7	43.2	45.7	48.7	51.7	54.7	58.2	61.7	65.7		*2.35	3.15					1.01	1.29	1.82	3.16
28.9	30.9	32.9	35.4	37.9	40.4	42.9	45.4	48.4	51.4	54.4	57.9	61.4	65.4		*2.50	3.35					1.15	1.47	2.08	3.64
27.3	29.3	31.3	33.8	36.3	38.8	41.3	43.8	46.8	49.8	52.8	56.3	59.8	63.8		3.35	4.50	1.68	2.15	3.05	5.20	1.91	2.47	3.53	6.27
25.9	27.9	29.9	32.4	34.9	37.4	39.9	42.4	45.4	48.4	51.4	54.9	58.4	62.4		4.12	5.60	2.37	3.05	4.34	7.41	2.60	3.37	4.85	8.58
29.4	31.4	33.4	35.9	38.4	40.9	43.4	45.9	48.9	51.9	54.9	58.4	61.9	65.9		*2.20	3.00					.88	1.13	1.59	2.73
24.7	26.7	28.7	31.2	33.7	36.2	38.7	41.2	44.2	47.2	50.2	53.7	57.2	61.2		4.75	6.50	2.93	3.77	5.37	9.09	3.15	4.08	5.87	10.30
28.6	30.6	32.6	35.1	37.6	40.1	42.6	45.1	48.1	51.1	54.1	57.6	61.1	65.1		2.65	3.65	1.04	1.32	1.85	3.06	1.29	1.67	2.37	4.17
27.9	29.9	31.9	34.4	36.9	39.4	41.9	44.4	47.4	50.4	53.4	56.9	60.4	64.4		3.00	4.12	1.36	1.74	2.45	4.14	1.61	2.08	2.97	5.25
26.7	28.7	30.7	33.2	35.7	38.2	40.7	43.2	46.2	49.2	52.2	55.7	59.2	63.2		3.65	5.00	1.95	2.51	3.56	6.08	2.19	2.83	4.07	7.21
24.1	26.1	28.1	30.6	33.1	35.6	38.1	40.6	43.6	46.6	49.6	53.2	56.7	60.7		5.00	6.90	3.15	4.05	5.78	9.73	3.37	4.36	6.28	11.00
27.1	29.1	31.1	33.6	36.1	38.6	41.1	43.6	46.6	49.6	52.6	56.1	59.6	63.6		3.35	4.75	1.70	2.18	3.09	5.28	1.92	2.49	3.56	6.32
29.0	31.0	33.0	35.5	38.0	40.5	43.0	45.5	48.5	51.5	54.5	58.0	61.5	65.5		*2.35	3.35					1.02	1.31	1.85	3.21
22.8	24.8	26.8	29.3	31.8	34.3	36.8	39.3	42.3	45.3	48.3	51.8	55.3	59.3		5.60	8.00	3.69	4.76	6.77	11.30	3.88	5.03	7.23	12.50
29.3	31.3	33.3	35.8	38.3	40.8	43.3	45.8	48.8	51.8	54.8	58.3	61.8	65.8		*2.20	3.15					.88	1.13	1.59	2.73
27.5	29.5	31.5	34.0	36.5	39.0	41.5	44.0	47.0	50.0	53.0	56.5	60.0	64.0		3.15	4.50	1.52	1.95	2.75	4.68	1.74	2.25	3.23	5.71
24.8	26.8	28.8	31.3	33.9	36.4	38.9	41.4	44.4	47.4	50.4	53.9	57.4	61.4		4.50	6.50	2.73	3.52	5.01	8.52	2.93	3.80	5.47	9.64
26.5	28.5	30.5	33.0	35.5	38.0	40.5	43.0	46.0	49.0	52.0	55.5	59.0	63.0		3.65	5.30	1.97	2.54	3.60	6.16	2.19	2.83	4.07	7.21
25.5	27.5	29.5	32.0	34.5	37.0	39.5	42.0	45.0	48.0	51.0	54.5	58.0	62.0		4.12	6.00	2.39	3.08	4.38	7.49	2.60	3.37	4.85	8.58
24.3	26.3	28.3	30.8	33.3	35.8	38.3	40.8	43.8	46.8	49.8	53.3	56.8	60.8		4.75	6.90	2.95	3.80	5.41	9.17	3.15	4.08	5.87	10.30
28.7	30.7	32.7	35.2	37.7	40.2	42.7	45.2	48.2	51.2	54.2	57.7	61.2	65.2		*2.50	3.65					1.16	1.49	2.11	3.69
28.1	30.1	32.1	34.6	37.1	39.6	42.1	44.6	47.6	50.6	53.6	57.1	60.6	64.6		2.80	4.12	1.20	1.53	2.15	3.61	1.43	1.84	2.63	4.64
26.9	28.9	30.9	33.4	35.9	38.4	40.9	43.4	46.4	49.4	52.4	55.9	59.4	63.4		3.35	5.00	1.70	2.18	3.09	5.28	1.92	2.49	3.56	6.32
27.6	29.6	31.6	34.1	36.6	39.1	41.6	44.1	47.1	50.1	53.1	56.6	60.1	64.1		3.00	4.50	1.38	1.77	2.49	4.22	1.61	2.08	2.97	5.25
23.0	25.0	27.0	29.5	32.0	34.5	37.0	39.5	42.5	45.5	48.5	52.0	55.5	59.5		5.30	8.00	3.43	4.42	6.29	10.60	3.62	4.70	6.75	11.80
27.3	29.3	31.3	33.8	36.3	38.8	41.3	43.8	46.8	49.8	52.8	56.3	59.8	63.8		3.15	4.75	1.52	1.95	2.75	4.68	1.74	2.25	3.23	5.71
29.1	31.1	33.1	35.6	38.1	40.6	43.1	45.6	48.6	51.6	54.6	58.1	61.6	65.6		*2.20	3.35					.88	1.13	1.59	2.73
26.2	28.2	30.2	32.7	35.2	37.7	40.2	42.7	45.7	48.7	51.7	55.2	58.7	62.7		3.65	5.60	1.97	2.54	3.60	6.16	2.19	2.83	4.07	7.21
24.5	26.5	28.5	31.0	33.5	36.0	38.5	41.0	44.0	47.0	50.0	53.5	57.0	61.0		4.50	6.90	2.73	3.52	5.01	8.52	2.93	3.80	5.47	9.64
19.7	21.7	23.7	26.2	28.7	31.2	33.7	36.2	39.2	42.2	45.2	48.7	52.2	56.2		6.90	10.60	4.80	6.18	8.75	14.00	4.98	6.45	9.23	15.60
28.8	30.8	32.8	35.3	37.8	40.3	42.8	45.3	48.3	51.3	54.3	57.8	61.3	65.3		*2.35	3.65					1.02	1.31	1.85	3.21
28.2	30.2	32.2	34.7	37.2	39.7	42.2	44.7	47.7	50.7	53.7	57.2	60.7	64.7		2.65	4.12	1.06	1.35	1.89	3.14	1.29	1.67	2.37	4.17
25.1	27.1	29.1	31.6	34.1	36.6	39.1	41.6	44.6	47.6	50.6	54.2	57.7	61.7		4.12	6.50	2.41	3.11	4.42	7.57	2.61	3.38	4.88	8.64
27.4	29.4	31.4	33.9	36.4	38.9	41.4	43.9	46.9	49.9	52.9	56.4	59.9	63.9		3.00	4.75	1.40	1.80	2.53	4.30	1.62	2.09	3.00	5.31

Key to correction factors: 1.0 1.1 1.2

† Rim speed higher than 6,500 feet per minute. See Page 218.

* Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.



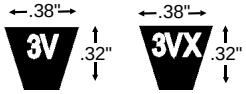
Super HC® Molded Notch V-Belt and Super HC Molded Notch PowerBand® Belt Drives

Table No. 6

DriveN Speed For Motor Speed of				Sheave Outside Diameters			V-Belt No. and Center Distance														
870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	3V 3VX 250	3V 3VX 265	3VX 280	3V 3VX 300	3V 3VX 315	3V 3VX 335	3V 3VX 355	3V 3VX 375	3V 3VX 400	3V 3VX 425	3V 3VX 450	3V 3VX 475	3V 3VX 500	3V 3VX 530	3V 3VX 560	3V 3VX 600	3V 3VX 630
547	730	1101	2170	3.35	5.30	1.59	5.6	6.4	7.1	8.2	8.9	9.9	10.9	11.9	13.2	14.4	15.7	16.9	18.2	19.7	21.2	23.2	24.7
544	725	1094	2156	3.15	5.00	1.60	6.0	6.8	7.5	8.6	9.3	10.3	11.3	12.3	13.6	14.8	16.1	17.3	18.6	20.1	21.6	23.6	25.1
540	720	1087	2143	5.00	8.00	1.61							7.4	8.4	9.7	10.9	12.2	13.5	14.7	16.2	17.7	19.7	21.2
537	716	1080	2130	2.80	4.50	1.62	6.7	7.5	8.2	9.2	10.0	11.0	12.0	13.0	14.2	15.5	16.7	18.0	19.3	20.8	22.3	24.3	25.8
530	707	1067	2104	6.50	10.60	1.64												10.1	11.4	12.9	14.4	16.4	18.0
527	703	1061	2091	3.65	6.00	1.65		5.6	6.3	7.3	8.1	9.1	10.1	11.1	12.4	13.6	14.9	16.1	17.4	18.9	20.4	22.4	23.9
524	699	1054	2078	*2.50	4.12	1.66	7.3	8.0	8.8	9.8	10.5	11.5	12.5	13.5	14.8	16.0	17.3	18.5	19.8	21.3	22.8	24.8	26.3
521	695	1048	2066	*2.20	3.65	1.67	7.9	8.6	9.4	10.4	11.1	12.1	13.1	14.1	15.4	16.6	17.9	19.1	20.4	21.9	23.4	25.4	26.9
518	690	1042	2054	3.00	5.00	1.68	6.1	6.9	7.7	8.7	9.4	10.4	11.4	12.4	13.7	14.9	16.2	17.4	18.7	20.2	21.7	23.7	25.2
518	690	1042	2054	3.35	5.60	1.68	5.4	6.1	6.9	7.9	8.7	9.7	10.7	11.7	12.9	14.2	15.4	16.7	17.9	19.4	20.9	22.9	24.4
518	690	1042	2054	4.12	6.90	1.68				6.2	7.0	8.0	9.0	10.0	11.3	12.5	13.8	15.0	16.3	17.8	19.3	21.3	22.8
515	686	1036	2041	3.15	5.30	1.69	5.8	6.5	7.3	8.3	9.1	10.1	11.1	12.1	13.3	14.6	15.8	17.1	18.3	19.8	21.3	23.3	24.8
515	686	1036	2041	4.75	8.00	1.69							7.6	8.6	9.9	11.1	12.4	13.6	14.9	16.4	17.9	19.9	21.4
509	678	1023	2018	2.65	4.50	1.71	6.8	7.6	8.3	9.3	10.1	11.1	12.1	13.1	14.4	15.6	16.9	18.1	19.4	20.9	22.4	24.4	25.9
509	678	1023	2018	2.80	4.75	1.71	6.5	7.3	8.0	9.0	9.8	10.8	11.8	12.8	14.0	15.3	16.5	17.8	19.0	20.6	22.1	24.1	25.6
497	663	1000	1971	8.00	14.00	1.75																12.4	13.9
492	655	989	1949	*2.35	4.12	1.77	7.4	8.1	8.9	9.9	10.6	11.6	12.6	13.6	14.9	16.1	17.4	18.7	19.9	21.4	22.9	24.9	26.4
492	655	989	1949	6.00	10.60	1.77											9.2	10.5	11.7	13.3	14.8	16.8	18.3
489	652	983	1938	3.00	5.30	1.78	5.9	6.6	7.4	8.4	9.2	10.2	11.2	12.2	13.4	14.7	15.9	17.2	18.4	20.0	21.5	23.5	25.0
486	648	978	1927	3.15	5.60	1.79	5.5	6.3	7.0	8.0	8.8	9.8	10.8	11.8	13.1	14.3	15.6	16.8	18.1	19.6	21.1	23.1	24.6
486	648	978	1927	3.65	6.50	1.79			5.9	6.9	7.6	8.7	9.7	10.7	11.9	13.2	14.5	15.7	17.0	18.5	20.0	22.0	23.5
486	648	978	1927	4.50	8.00	1.79							7.7	8.8	10.0	11.3	12.6	13.8	15.1	16.6	18.1	20.1	21.6
483	644	972	1917	2.80	5.00	1.80	6.3	7.0	7.8	8.8	9.6	10.6	11.6	12.6	13.8	15.1	16.3	17.6	18.8	20.3	21.8	23.9	25.4
483	644	972	1917	3.35	6.00	1.80		5.8	6.5	7.5	8.3	9.3	10.3	11.3	12.6	13.8	15.1	16.4	17.6	19.1	20.6	22.6	24.1
483	644	972	1917	10.60	19.00	1.80																	
481	641	967	1906	2.65	4.75	1.81	6.6	7.4	8.1	9.1	9.9	10.9	11.9	12.9	14.2	15.4	16.7	17.9	19.2	20.7	22.2	24.2	25.7
478	637	962	1896	*2.50	4.50	1.82	6.9	7.7	8.4	9.5	10.2	11.2	12.2	13.2	14.5	15.7	17.0	18.2	19.5	21.0	22.5	24.5	26.0
463	617	931	1835	3.00	5.60	1.88	5.6	6.4	7.1	8.1	8.9	9.9	10.9	11.9	13.2	14.4	15.7	16.9	18.2	19.7	21.2	23.2	24.7
460	614	926	1825	*2.20	4.12	1.89	7.5	8.2	9.0	10.0	10.7	11.7	12.8	13.8	15.0	16.3	17.5	18.8	20.0	21.5	23.0	25.0	26.5
458	611	921	1816	2.65	5.00	1.90	6.4	7.1	7.9	8.9	9.7	10.7	11.7	12.7	13.9	15.2	16.5	17.7	19.0	20.5	22.0	24.0	25.5
458	611	921	1816	3.65	6.90	1.90				6.5	7.3	8.3	9.3	10.3	11.6	12.9	14.1	15.4	16.6	18.1	19.7	21.7	23.2
458	611	921	1816	5.60	10.60	1.90											9.5	10.7	12.0	13.6	15.1	17.1	18.6
455	607	916	1806	2.80	5.30	1.91	6.0	6.8	7.5	8.6	9.3	10.3	11.3	12.3	13.6	14.8	16.1	17.3	18.6	20.1	21.6	23.6	25.1
453	604	911	1797	*2.50	4.75	1.92	6.7	7.5	8.2	9.2	10.0	11.0	12.0	13.0	14.3	15.5	16.8	18.0	19.3	20.8	22.3	24.3	25.8
453	604	911	1797	3.15	6.00	1.92	5.1	5.9	6.7	7.7	8.4	9.5	10.5	11.5	12.7	14.0	15.3	16.5	17.8	19.3	20.8	22.8	24.3
451	601	907	1788	*2.35	4.50	1.93	7.0	7.8	8.6	9.6	10.3	11.3	12.3	13.3	14.6	15.8	17.1	18.3	19.6	21.1	22.6	24.6	26.1
446	595	897	1769	3.35	6.50	1.95			6.1	7.1	7.9	8.9	9.9	10.9	12.2	13.4	14.7	15.9	17.2	18.7	20.2	22.2	23.7
446	595	897	1769	4.12	8.00	1.95						7.0	8.0	9.0	10.3	11.6	12.8	14.1	15.4	16.9	18.4	20.4	21.9
433	577	871	1716	5.30	10.60	2.01											9.7	10.9	12.2	13.8	15.3	17.3	18.8
431	574	866	1708	*2.50	5.00	2.02	6.5	7.3	8.0	9.0	9.8	10.8	11.8	12.8	14.1	15.3	16.6	17.8	19.1	20.6	22.1	24.1	25.6
431	574	866	1708	2.65	5.30	2.02	6.1	6.9	7.6	8.7	9.4	10.4	11.4	12.4	13.7	15.0	16.2	17.5	18.7	20.2	21.7	23.7	25.2
431	574	866	1708	2.80	5.60	2.02	5.7	6.5	7.3	8.3	9.0	10.1	11.1	12.1	13.3	14.6	15.8	17.1	18.4	19.9	21.4	23.4	24.9
431	574	866	1708	3.00	6.00	2.02	5.2	6.0	6.8	7.8	8.6	9.6	10.6	11.6	12.8	14.1	15.4	16.6	17.9	19.4	20.9	22.9	24.4
426	569	858	1691	*2.35	4.75	2.04	6.8	7.6	8.3	9.3	10.1	11.1	12.1	13.1	14.4	15.6	16.9	18.1	19.4	20.9	22.4	24.4	25.9
426	569	858	1691	6.90	14.00	2.04																13.1	14.7
420	560	845	1667	*2.20	4.50	2.07	7.1	7.9	8.7	9.7	10.4	11.4	12.4	13.4	14.7	15.9	17.2	18.5	19.7	21.2	22.7	24.7	26.2
418	558	841	1659	3.15	6.50	2.08		5.4	6.2	7.2	8.0	9.0	10.0	11.0	12.3	13.6	14.8	16.1	17.3	18.9	20.4	22.4	23.9
418	558	841	1659	3.35	6.90	2.08			5.7	6.7	7.5	8.5	9.5	10.6	11.8	13.1	14.3	15.6	16.9	18.4	19.9	21.9	23.4
408	545	822	1620	2.65	5.60	2.13	5.8	6.6	7.4	8.4	9.2	10.2	11.2	12.2	13.4	14.7	16.0	17.2	18.5	20.0	21.5	23.5	25.0
408	545	822	1620	5.00	10.60	2.13										8.5	9.9	11.2	12.4	14.0	15.5	17.5	19.0
407	542	818	1612	*2.50	5.30	2.14	6.2	7.0	7.8	8.8	9.5	10.5	11.5	12.5	13.8	15.1	16.3	17.6	18.8	20.3	21.8	23.8	25.3
405	540	814	1605	*2.35	5.00	2.15	6.6	7.4	8.1	9.1	9.9	10.9	11.9	12.9	14.2	15.4	16.7	17.9	19.2	20.7	22.2	24.2	25.7
403	537	810	1597	2.80	6.00	2.16	5.4	6.1	6.9	7.9	8.7	9.7	10.7	11.7	13.0	14.3	15.5	16.8	18.0	19.5	21.0	23.0	24.5
403	537	810	1597	6.50	14.00	2.16															11.3	13.4	14.9
397	530	799	1575	*2.20	4.75	2.19	6.9	7.7	8.4	9.5	10.2	11.2	12.2	13.2	14.5	15.7	17.0	18.2	19.5	21.0	22.5	24.5	26.0
397	530	799	1575	3.00	6.50	2.19		5.5	6.3	7.3	8.1	9.1	10.1	11.2	12.4	13.7	14.9	16.2	17.5	19.0	20.5	22.5	24.0
394	525	792	1561	3.15	6.90	2.21			5.8	6.9	7.6	8.7	9.7	10.7	12.0	13.2	14.5	15.7	17.0	18.5	20.0	22.0	23.5
394	525	792	1561	3.65	8.00	2.21						7.3	8.3	9.4	10.6	11.9	13.2	14.4	15.7	17.2	18.7	20.7	22.2

Key to correction factors: 0.8 0.9 1.0

* Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

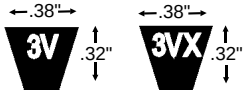


V-Belt No. and Center Distance															Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio) RPM of Small Sheave							
																	Super HC				Super HC Molded Notch			
3V 3VX 670	3V 3VX 710	3V 3VX 750	3V 3VX 800	3V 3VX 850	3V 3VX 900	3V 3VX 950	3V 3VX 1000	3V 3VX 1060	3V 3VX 1120	3V 3VX 1180	3V 3VX 1250	3V 3VX 1320	3V 3VX 1400	Small Sheave	Large Sheave	870 RPM	1160 RPM	1750 RPM	3450 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
26.7	28.7	30.7	33.2	35.7	38.2	40.7	43.2	46.2	49.2	52.2	55.7	59.2	63.2	3.35	5.30	1.72	2.21	3.13	5.36	1.93	2.50	3.59	6.38
27.1	29.1	31.1	33.6	36.1	38.6	41.1	43.6	46.6	49.6	52.6	56.1	59.6	63.6	3.15	5.00	1.54	1.98	2.79	4.76	1.75	2.26	3.26	5.77
23.2	25.3	27.3	29.8	32.3	34.8	37.3	39.8	42.8	45.8	48.8	52.3	55.8	59.8	5.00	8.00	3.19	4.11	5.86	9.89	3.38	4.37	6.31	11.10
27.8	29.8	31.8	34.3	36.8	39.3	41.8	44.3	47.3	50.3	53.3	56.8	60.3	64.3	2.80	4.50	1.22	1.56	2.19	3.69	1.44	1.85	2.66	4.70
20.0	22.0	24.0	26.5	29.0	31.5	34.0	36.5	39.5	42.5	45.5	49.0	52.5	56.5	6.50	10.60	4.48	5.78	8.19	13.30	4.65	6.03	8.65	14.80
25.9	27.9	29.9	32.4	34.9	37.4	39.9	42.4	45.4	48.4	51.4	54.9	58.4	62.4	3.65	6.00	1.99	2.57	3.64	6.24	2.20	2.84	4.10	7.27
28.3	30.3	32.3	34.8	37.3	39.8	42.3	44.8	47.8	50.8	53.8	57.3	60.8	64.8	*2.50	4.12					1.17	1.50	2.14	3.75
28.9	30.9	32.9	35.4	37.9	40.4	42.9	45.4	48.4	51.4	54.4	57.9	61.4	65.4	*2.20	3.65					.89	1.14	1.62	2.79
27.2	29.2	31.2	33.7	36.2	38.7	41.2	43.7	46.7	49.7	52.7	56.2	59.7	63.7	3.00	5.00	1.40	1.80	2.53	4.30	1.62	2.09	3.00	5.31
26.5	28.5	30.5	33.0	35.5	38.0	40.5	43.0	46.0	49.0	52.0	55.5	59.0	63.0	3.35	5.60	1.72	2.21	3.13	5.36	1.93	2.50	3.59	6.38
24.8	26.8	28.8	31.3	33.8	36.3	38.8	41.3	44.3	47.3	50.3	53.8	57.3	61.3	4.12	6.90	2.41	3.11	4.42	7.57	2.61	3.38	4.88	8.64
26.8	28.8	30.8	33.3	35.9	38.4	40.9	43.4	46.4	49.4	52.4	55.9	59.4	63.4	3.15	5.30	1.54	1.98	2.79	4.76	1.75	2.26	3.26	5.77
23.4	25.4	27.4	29.9	32.5	35.0	37.5	40.0	43.0	46.0	49.0	52.5	56.0	60.0	4.75	8.00	2.97	3.83	5.45	9.25	3.16	4.09	5.90	10.40
27.9	29.9	31.9	34.4	36.9	39.4	41.9	44.4	47.4	50.4	53.4	56.9	60.4	64.4	2.65	4.50	1.08	1.38	1.93	3.22	1.30	1.68	2.40	4.23
27.6	29.6	31.6	34.1	36.6	39.1	41.6	44.1	47.1	50.1	53.1	56.6	60.1	64.1	2.80	4.75	1.22	1.56	2.19	3.69	1.44	1.85	2.66	4.70
15.9	18.0	20.0	22.5	25.1	27.6	30.1	32.6	35.6	38.6	41.6	45.1	48.6	52.6	8.00	14.00	5.73	7.38	10.30	†	5.90	7.63	10.90	†
28.4	30.4	32.4	34.9	37.4	39.9	42.4	44.9	47.9	50.9	53.9	57.4	60.9	64.9	*2.35	4.12					1.03	1.32	1.88	3.27
20.3	22.4	24.4	26.9	29.4	31.9	34.4	36.9	39.9	42.9	45.9	49.4	52.9	56.9	6.00	10.60	4.05	5.23	7.43	12.30	4.23	5.48	7.88	13.60
27.0	29.0	31.0	33.5	36.0	38.5	41.0	43.5	46.5	49.5	52.5	56.0	59.5	63.5	3.00	5.30	1.40	1.80	2.53	4.30	1.62	2.09	3.00	5.31
26.6	28.6	30.6	33.1	35.6	38.1	40.6	43.1	46.1	49.1	52.1	55.6	59.1	63.1	3.15	5.60	1.54	1.98	2.79	4.76	1.75	2.26	3.26	5.77
25.5	27.5	29.5	32.0	34.5	37.0	39.5	42.0	45.0	48.0	51.0	54.5	58.0	62.0	3.65	6.50	1.99	2.57	3.64	6.24	2.20	2.84	4.10	7.27
23.6	25.6	27.6	30.1	32.6	35.1	37.6	40.1	43.2	46.2	49.2	52.7	56.2	60.2	4.50	8.00	2.75	3.55	5.05	8.60	2.94	3.81	5.50	9.70
27.4	29.4	31.4	33.9	36.4	38.9	41.4	43.9	46.9	49.9	52.9	56.4	59.9	63.9	2.80	5.00	1.22	1.56	2.19	3.69	1.44	1.85	2.66	4.70
26.1	28.1	30.1	32.6	35.1	37.6	40.1	42.6	45.6	48.6	51.6	55.1	58.6	62.6	3.35	6.00	1.72	2.21	3.13	5.36	1.93	2.50	3.59	6.38
			16.2	18.8	21.4	23.9	26.4	29.5	32.5	35.5	39.0	42.6	46.6	10.60	19.00	7.83	10.00	13.8	†	7.99	10.30	14.50	†
27.7	29.7	31.7	34.2	36.7	39.2	41.7	44.2	47.2	50.2	53.2	56.7	60.2	64.2	2.65	4.75	1.08	1.380	1.93	3.22	1.30	1.68	2.40	4.23
28.0	30.0	30.2	34.5	37.0	39.5	42.0	44.5	47.5	50.5	53.5	57.0	60.5	64.5	*2.50	4.50					1.17	1.50	2.14	3.75
26.7	28.7	30.7	33.2	35.7	38.2	40.7	43.2	46.2	49.2	52.2	55.7	59.2	63.2	3.00	5.60	1.40	1.80	2.53	4.30	1.62	2.09	3.00	5.31
28.5	30.5	32.5	35.0	37.5	40.0	42.5	45.0	48.0	51.0	54.0	57.5	61.0	65.0	*2.20	4.12					.89	1.14	1.62	2.79
27.5	29.5	31.5	34.0	36.5	39.0	41.5	44.0	47.0	50.0	53.0	56.5	60.0	64.0	2.65	5.00	1.08	1.38	1.93	3.22	1.30	1.68	2.40	4.23
25.2	27.2	29.2	31.7	34.2	36.7	39.2	41.7	44.7	47.7	50.7	54.2	57.7	61.7	3.65	6.90	1.99	2.57	3.64	6.24	2.20	2.84	4.10	7.27
20.6	22.6	24.7	27.2	29.7	32.2	34.7	37.2	40.2	43.2	46.2	49.7	53.2	57.2	5.60	10.60	3.71	4.79	6.81	11.4	3.89	5.04	7.26	12.60
27.1	29.1	31.1	33.6	36.1	38.6	41.1	43.6	46.6	49.6	52.6	56.1	59.6	63.6	2.80	5.30	1.22	1.56	2.19	3.69	1.44	1.85	2.66	4.70
27.8	29.8	31.8	34.3	36.8	39.3	41.8	44.3	47.3	50.3	53.3	56.8	60.3	64.3	*2.50	4.75					1.17	1.50	2.14	3.75
26.3	28.3	30.3	32.8	35.3	37.8	40.3	42.8	45.8	48.8	51.8	55.3	58.8	62.8	3.15	6.00	1.54	1.98	2.79	4376	1.75	2.26	3.26	5.77
28.1	30.1	32.1	34.6	37.1	39.6	42.1	44.6	47.6	50.6	53.6	57.1	60.6	64.6	*2.35	4.50					1.03	1.32	1.88	3.27
25.7	27.7	29.7	32.2	34.7	37.2	39.7	42.2	45.2	48.2	51.2	54.7	58.2	62.2	3.35	6.50	1.74	2.23	3.16	5.41	1.93	2.50	3.59	6.38
23.9	25.9	27.9	30.4	32.9	35.4	37.9	40.4	43.4	46.4	49.4	53.0	56.5	60.5	4.12	8.00	2.43	3.13	4.45	7.62	2.61	3.38	4.88	8.64
20.9	22.9	24.9	27.4	29.9	32.4	34.9	37.4	40.4	43.4	46.4	49.9	53.5	57.5	5.30	10.60	3.47	4.47	6.36	10.70	3.63	4.71	6.78	11.90
27.6	29.6	31.6	34.1	36.3	39.1	41.6	44.1	47.1	50.1	53.1	56.6	60.1	64.1	*2.50	5.00					1.17	1.50	2.14	3.75
27.2	29.2	31.2	33.7	36.2	38.7	41.2	43.7	46.7	49.7	52.7	56.2	59.7	63.7	2.65	5.30	1.10	1.40	1.96	3.27	1.30	1.68	2.40	4.23
26.9	28.9	30.9	33.4	35.9	38.4	40.9	43.4	46.4	49.4	52.4	55.9	59.4	63.4	2.80	5.60	1.24	1.58	2.22	3.74	1.44	1.85	2.66	4.70
26.4	28.4	30.4	32.9	35.4	37.9	40.4	42.9	45.9	48.9	51.9	55.4	58.9	62.9	3.00	6.00	1.42	1.82	2.56	4.35	1.62	2.09	3.00	5.31
27.9	29.9	31.9	34.4	36.9	39.4	41.9	44.4	47.4	50.4	53.4	56.9	60.4	64.4	2.35	4.75					1.03	1.32	1.88	3.27
16.7	18.8	20.8	23.3	25.8	28.4	30.9	33.4	36.4	39.4	42.4	46.0	49.5	53.5	6.90	14.00	4.84	6.23	8.82	14.10	4.99	6.46	9.26	15.70
28.2	30.2	32.2	34.7	37.2	39.7	42.2	44.7	47.7	50.7	53.7	57.2	60.7	64.7	*2.20	4.50					.89	1.14	1.62	2.79
25.9	27.9	29.9	32.4	34.9	37.4	39.9	42.4	45.4	48.4	51.4	54.9	58.4	62.4	3.15	6.50	1.56	2.00	2.82	4.81	1.75	2.26	3.26	5.77
25.4	27.4	29.4	31.9	34.4	36.9	39.4	41.9	44.9	47.9	50.9	54.4	57.9	61.9	3.35	6.90	1.74	2.23	3.16	5.41	1.93	2.50	3.59	6.38
27.0	29.0	31.0	33.5	36.0	38.5	41.0	43.5	46.5	49.5	52.5	56.0	59.5	63.5	2.65	5.60	1.10	1.40	1.96	3.27	1.30	1.68	2.40	4.23
21.1	23.1	25.1	27.6	30.1	32.6	35.1	37.6	40.7	43.7	46.7	50.2	53.7	57.7	5.00	10.60	3.21	4.13	5.89	9.94	3.38	4.37	6.31	11.10
27.3	29.3	31.3	33.8	36.4	38.9	41.4	43.9	46.9	49.9	52.9	56.4	59.9	63.9	*2.50	5.30					1.17	1.50	2.14	3.75
27.7	29.7	31.7	34.2	36.7	39.2	41.7	44.2	47.2	50.2	53.2	56.7	60.2	64.2	*2.35	5.00					1.03	1.32	1.88	3.27
26.5	28.5	30.6	33.1	35.6	38.1	40.6	43.1	46.1	49.1	52.1	55.6	59.1	63.1	2.80	6.00	1.24	1.58	2.22	3.74	1.44	1.85	2.66	4.70
17.0	19.0	21.1	23.6	26.1	28.7	31.2	33.7	36.7	39.7	42.7	46.3	49.8	53.8	6.50	14.00	4.50	5.80	8.22	13.30	4.65	6.03	8.65	14.80
28.0	30.0	32.0	34.5	37.0	39.5	42.0	44.5	47.5	50.5	53.5	57.0	60.5	64.5	*2.20	4.75					.89	1.14	1.62	2.79
26.0	28.0	30.0	32.5	35.0	37.5	40.0	42.5	45.5	48.5	51.5	55.0	58.5	62.5	3.00	6.50	1.42	1.82	2.56	4.35	1.62	2.09	3.00	5.31
25.5	27.5	29.6	32.1	34.6	37.1	39.6	41.2	45.1	48.1	51.1	54.6	58.1	62.1	3.15	6.90	1.56	2.00	2.82	4.81	1.75	2.26	3.26	5.77
24.3	26.3	28.3	30.8	33.3	35.8	38.3	40.8	43.8	46.8	49.8	53.3	56.8	60.8	3.65	8.00	2.01	2.59	3.67	6.29	2.20	2.84	4.10	7.27

Key to correction factors: 1.0 | 1.1 | 1.2

† Rim speed higher than 6,500 feet per minute. See Page 218.

* Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.



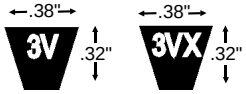
Super HC® Molded Notch V-Belt and Super HC Molded Notch PowerBand® Belt Drives

Table No. 6

DriveN Speed For Motor Speed of				Sheave Outside Diameters			V-Belt No. and Center Distance																	
870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	3V 3VX 250	3VX 265	3V 3VX 280	3V 3VX 300	3V 3VX 315	3V 3VX 335	3V 3VX 355	3V 3VX 375	3V 3VX 400	3V 3VX 425	3V 3VX 450	3V 3VX 475	3V 3VX 500	3V 3VX 530	3V 3VX 560	3V 3VX 600	3V 3VX 630
388	518	781	1540	4.75	10.60	2.24										8.7	10.0	11.3	12.6	14.1	15.7	17.7	19.2
383	511	771	1520	*2.50	5.60	2.27	5.9	6.7	7.5	8.5	9.3	10.3	11.3	12.3	13.6	14.8	16.1	17.3	18.6	20.1	21.6	23.6	25.1
382	509	768	1513	*2.35	5.30	2.28	6.3	7.1	7.9	8.9	9.6	10.6	11.7	12.7	13.9	15.2	16.4	17.7	18.9	20.4	21.9	23.9	25.5
380	507	764	1507	2.65	6.00	2.29	5.5	6.2	7.0	8.0	8.8	9.8	10.8	11.8	13.1	14.4	15.6	16.9	18.1	19.6	21.1	23.1	24.7
378	504	761	1500	*2.20	5.00	2.30	6.7	7.5	8.2	9.2	10.0	11.0	12.0	13.0	14.3	15.5	16.8	18.0	19.3	20.8	22.3	24.3	25.8
375	500	754	1487	3.00	6.90	2.32			5.9	7.0	7.7	8.8	9.8	10.8	12.1	13.3	14.6	15.9	17.1	18.6	20.1	22.1	23.6
372	496	748	1474	6.00	14.00	2.34															11.6	13.7	15.3
370	494	745	1468	2.80	6.50	2.35		5.6	6.4	7.5	8.2	9.3	10.3	11.3	12.6	13.8	15.1	16.3	17.6	19.1	20.6	22.6	24.1
369	492	742	1462	10.60	25.00	2.36																	
367	489	738	1456	4.50	10.60	2.37										8.9	10.2	11.5	12.8	14.3	15.9	17.9	19.4
366	487	735	1450	8.00	19.00	2.38																	
361	481	726	1432	*2.35	5.60	2.41	6.0	6.8	7.6	8.6	9.4	10.4	11.4	12.4	13.7	14.9	16.2	17.4	18.7	20.2	21.7	23.7	25.2
361	481	726	1432	3.35	8.00	2.41					6.4	7.5	8.5	9.6	10.8	12.1	13.4	14.7	15.9	17.4	18.9	21.0	22.5
358	477	720	1420	*2.50	6.00	2.43	5.6	6.3	7.1	8.1	8.9	9.9	10.9	11.9	13.2	14.5	15.7	17.0	18.2	19.7	21.3	23.3	24.8
357	475	717	1414	*2.20	5.30	2.44	6.4	7.2	8.0	9.0	9.7	10.8	11.8	12.8	14.0	15.3	16.5	17.8	19.0	20.6	22.1	24.1	25.6
351	468	706	1391	2.65	6.50	2.48		5.7	6.5	7.6	8.3	9.4	10.4	11.4	12.7	13.9	15.2	16.5	17.7	19.2	20.7	22.7	24.2
349	466	703	1386	2.80	6.90	2.49			6.0	7.1	7.9	8.9	9.9	10.9	12.2	13.5	14.7	16.0	17.3	18.8	20.3	22.3	23.8
347	462	697	1375	5.60	14.00	2.51															11.9	14.0	15.5
340	453	684	1348	3.15	8.00	2.56					6.5	7.6	8.7	9.7	11.0	12.3	13.5	14.8	16.1	17.6	19.1	21.1	22.6
337	450	678	1337	*2.20	5.60	2.58	6.1	6.9	7.7	8.7	9.5	10.5	11.5	12.5	13.8	15.0	16.3	17.5	18.8	20.3	21.8	23.8	25.3
336	448	676	1332	*2.35	6.00	2.59	5.7	6.4	7.2	8.2	9.0	10.0	11.0	12.1	13.3	14.6	15.8	17.1	18.4	19.9	21.4	23.4	24.9
336	448	676	1332	4.12	10.60	2.59										9.1	10.4	11.7	13.0	14.6	16.1	18.2	19.7
331	441	665	1312	*2.50	6.50	2.63	5.0	5.8	6.6	7.7	8.4	9.5	10.5	11.5	12.8	14.0	15.3	16.6	17.8	19.3	20.8	22.8	24.4
331	441	665	1312	2.65	6.90	2.63		5.3	6.1	7.2	8.0	9.0	10.0	11.0	12.3	13.6	14.9	16.1	17.4	18.9	20.4	22.4	23.9
327	436	658	1297	5.30	14.00	2.66															12.1	14.2	15.7
323	431	651	1283	3.00	8.00	2.69					6.6	7.7	8.8	9.8	11.1	12.4	13.6	14.9	16.2	17.7	19.2	21.2	22.7
314	419	632	1245	*2.20	6.00	2.77	5.7	6.5	7.3	8.3	9.1	10.1	11.2	12.2	13.4	14.7	15.9	17.2	18.5	20.0	21.5	23.5	25.0
314	419	632	1245	6.90	19.00	2.77																	
311	414	625	1232	*2.35	6.50	2.80	5.1	5.9	6.7	7.8	8.6	9.6	10.6	11.6	12.9	14.2	15.4	16.7	17.9	19.4	20.9	23.0	24.5
311	414	625	1232	*2.50	6.90	2.80		5.4	6.2	7.3	8.1	9.1	10.1	11.2	12.4	13.7	15.0	16.2	17.5	19.0	20.5	22.5	24.0
309	411	621	1223	5.00	14.00	2.82														10.6	12.3	14.4	16.0
301	401	606	1194	2.80	8.00	2.89				6.0	6.8	7.8	8.9	9.9	11.2	12.5	13.8	15.0	16.3	17.8	19.3	21.4	22.9
297	396	597	1177	3.65	10.60	2.93									8.1	9.4	10.8	12.1	13.4	14.9	16.4	18.5	20.0
296	395	595	1173	6.50	19.00	2.94																	
293	391	589	1162	4.75	14.00	2.97														10.8	12.4	14.5	16.1
292	389	587	1158	*2.35	6.90	2.98		5.5	6.3	7.4	8.2	9.2	10.2	11.3	12.5	13.8	15.1	16.3	17.6	19.1	20.6	22.6	24.1
290	387	583	1150	*2.20	6.50	3.00	5.2	6.0	6.8	7.9	8.7	9.7	10.7	11.7	13.0	14.3	15.5	16.8	18.0	19.6	21.1	23.1	24.6
284	379	572	1127	2.65	8.00	3.06				6.0	6.9	7.9	9.0	10.0	11.3	12.6	13.9	15.2	16.4	17.9	19.5	21.5	23.0
278	371	559	1102	4.50	14.00	3.13														10.9	12.6	14.7	16.3
277	369	557	1099	8.00	25.00	3.14																	
274	366	552	1088	10.60	33.50	3.17																	
274	365	550	1085	6.00	19.00	3.18																	
273	364	549	1082	*2.20	6.90	3.19		5.6	6.4	7.5	8.3	9.3	10.3	11.4	12.6	13.9	15.2	16.4	17.7	19.2	20.7	22.7	24.2
272	363	547	1078	3.35	10.60	3.20									8.3	9.6	10.9	12.3	13.6	15.1	16.7	18.7	20.2
269	358	540	1065	*2.50	8.00	3.24				6.1	7.0	8.0	9.1	10.1	11.4	12.7	14.0	15.3	16.5	18.0	19.6	21.6	23.1
256	341	515	1015	3.15	10.60	3.40									8.4	9.7	11.1	12.4	13.7	15.3	16.8	18.8	20.4
255	340	513	1012	5.60	19.00	3.41																	
254	338	510	1006	4.12	14.00	3.43														11.2	12.8	15.0	16.5
251	335	506	997	*2.35	8.00	3.46				6.2	7.1	8.1	9.2	10.2	11.5	12.8	14.1	15.4	16.6	18.2	19.7	21.7	23.2
243	324	489	964	3.00	10.60	3.58									8.5	9.8	11.2	12.5	13.8	15.4	16.9	18.9	20.5
241	321	485	956	5.30	19.00	3.61																	
239	319	481	948	6.90	25.00	3.64																	
235	314	473	932	*2.20	8.00	3.70				6.3	7.2	8.2	9.3	10.3	11.6	12.9	14.2	15.5	16.7	18.3	19.8	21.8	23.3
227	303	457	901	5.00	19.00	3.83																	
227	302	456	898	2.80	10.60	3.84								7.2	8.6	10.0	11.3	12.6	13.9	15.5	17.0	19.1	20.6
225	300	452	891	6.50	25.00	3.87																	
224	299	451	889	3.65	14.00	3.88													9.8	11.5	13.1	15.3	16.9
216	288	434	856	4.75	19.00	4.03																	

Key to correction factors: 0.7 0.8 0.9 1.0

* Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

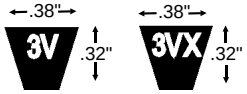


V-Belt No. and Center Distance															Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio) RPM of Small Sheave							
																	Super HC				Super HC Molded Notch			
3V 3VX 670	3V 3VX 710	3V 3VX 750	3V 3VX 800	3V 3VX 850	3V 3VX 900	3V 3VX 950	3V 3VX 1000	3V 3VX 1060	3V 3VX 1120	3V 3VX 1180	3V 3VX 1250	3V 3VX 1320	3V 3VX 1400	Small Sheave	Large Sheave	870 RPM	1160 RPM	1750 RPM	3450 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
21.2	23.3	25.3	27.8	30.3	32.8	35.3	37.8	40.8	43.9	46.9	50.4	53.9	57.9	4.75	10.60	2.99	3.85	5.48	9.30	3.16	4.09	5.90	10.40
27.1	29.1	31.1	33.6	36.1	38.6	41.1	43.6	46.6	49.6	52.6	56.1	59.6	63.6	*2.50	5.60					1.17	1.50	2.14	3.75
27.5	29.5	31.5	34.0	36.5	39.0	41.5	44.0	47.0	50.0	53.0	56.5	60.0	64.0	*2.35	5.30					1.03	1.32	1.88	3.27
26.7	28.7	30.7	33.2	35.7	38.2	40.7	43.2	46.2	49.2	52.2	55.7	59.2	63.2	2.65	6.00	1.10	1.40	1.96	3.27	1.30	1.68	2.40	4.23
27.8	29.8	31.8	34.3	36.8	39.3	41.8	44.3	47.3	50.3	53.3	56.8	60.3	64.3	*2.20	5.00					.89	1.14	1.62	2.79
25.7	27.7	29.7	32.2	34.7	37.2	39.7	42.2	45.2	48.2	51.2	54.7	58.2	62.2	3.00	6.90	1.42	1.82	2.56	4.35	1.62	2.09	3.00	5.31
17.3	19.4	21.4	24.0	26.5	29.0	31.5	34.1	37.1	40.1	43.1	46.6	50.1	54.2	6.00	14.00	4.07	5.25	7.46	12.3	4.23	5.48	7.88	13.60
26.1	28.1	30.1	32.6	35.2	37.7	40.2	42.7	45.7	48.7	51.7	55.2	58.7	62.7	2.80	6.50	1.24	1.58	2.22	3.74	1.44	1.85	2.66	4.70
							20.8	24.0	27.1	30.2	33.8	37.4	41.4	10.60	25.00	7.85	10.00	13.90	†	7.99	10.30	14.50	†
21.4	23.4	25.5	28.0	30.5	33.0	35.5	38.0	41.0	44.0	47.0	50.6	54.1	58.1	4.50	10.60	2.77	3.57	5.08	8.65	2.94	3.81	5.50	9.70
		15.3	18.0	20.6	23.2	25.7	28.3	31.3	34.4	37.4	40.9	44.5	48.5	8.00	19.00	5.75	7.40	10.40	†	5.90	7.63	10.90	†
27.2	29.2	31.2	33.7	36.2	38.7	41.2	43.7	46.7	49.7	52.7	56.2	59.7	63.7	*2.35	5.60					1.03	1.32	1.88	3.27
24.5	26.5	28.5	31.0	33.5	36.0	38.5	41.0	44.0	47.0	50.0	53.5	57.0	61.0	3.35	8.00	1.74	2.23	3.16	5.41	1.93	2.50	3.59	6.38
26.8	28.8	30.8	33.3	35.8	38.3	40.8	43.3	46.3	49.3	52.3	55.8	59.3	63.3	*2.50	6.00					1.17	1.50	2.14	3.75
27.6	29.6	31.6	34.1	36.6	39.1	41.6	44.1	47.1	50.1	53.1	56.6	60.1	64.1	*2.20	5.30					.89	1.14	1.62	2.79
26.2	28.3	30.3	32.8	35.3	37.8	40.3	42.8	45.8	48.8	51.8	55.3	58.8	62.8	2.65	6.50	1.10	1.40	1.96	3.27	1.30	1.68	2.40	4.23
25.8	27.8	29.8	32.3	34.8	37.3	39.8	42.3	45.3	48.3	51.3	54.8	58.3	62.4	2.80	6.90	1.24	1.58	2.22	3.74	1.44	1.85	2.66	4.70
17.6	19.7	21.7	24.3	26.8	29.3	31.8	34.4	37.4	40.4	43.4	46.9	50.4	54.5	5.60	14.00	3.73	4.81	6.84	11.40	3.89	5.04	7.26	12.60
24.6	26.6	28.6	31.2	33.7	36.2	38.7	41.2	44.2	47.2	50.2	53.7	57.2	61.2	3.15	8.00	1.56	2.00	2.82	4.81	1.75	2.26	3.26	5.77
27.3	29.3	31.3	33.8	36.3	38.8	41.3	43.8	46.8	49.8	52.8	56.4	59.9	63.9	*2.20	5.60					.89	1.14	1.62	2.79
26.9	28.9	30.9	33.4	35.9	38.4	40.9	43.4	46.4	49.4	52.4	55.9	59.4	63.4	*2.35	6.00					1.03	1.32	1.88	3.27
21.7	23.7	25.7	28.3	30.8	33.3	35.8	38.3	41.3	44.3	47.3	50.8	54.3	58.4	4.12	10.60	2.43	3.13	4.45	7.62	2.61	3.38	4.88	8.64
26.4	28.4	30.4	32.9	35.4	37.9	40.4	42.9	45.9	48.9	51.9	55.4	58.9	62.9	*2.50	6.50					1.17	1.50	2.14	3.75
25.9	27.9	29.9	32.4	34.9	37.4	39.9	42.5	45.5	48.5	51.5	55.0	58.5	62.5	2.65	6.90	1.10	1.40	1.96	3.27	1.30	1.68	2.40	4.23
17.8	19.9	21.9	24.5	27.0	29.5	32.1	34.6	37.6	40.6	43.6	47.1	50.7	54.7	5.30	14.00	3.47	4.47	6.36	10.70	3.63	4.71	6.78	11.90
24.7	26.7	28.8	31.3	33.8	36.3	38.8	41.3	44.3	47.3	50.3	53.8	57.3	61.3	3.00	8.00	1.42	1.82	2.56	4.35	1.62	2.09	3.00	5.31
27.0	29.0	31.0	33.5	36.0	38.5	41.0	43.5	46.5	49.5	52.5	56.0	59.5	63.5	*2.20	6.00					.89	1.14	1.62	2.79
	13.8	16.0	18.7	21.3	23.9	26.5	29.0	32.1	35.1	38.2	41.7	45.3	49.3	6.90	19.00	4.84	6.23	8.82	14.10	4.99	6.46	9.26	15.70
26.5	28.5	30.5	33.0	35.5	38.0	40.5	43.0	46.0	49.0	52.0	55.5	59.0	63.0	*2.35	6.50					1.03	1.32	1.88	3.27
26.0	28.0	30.0	32.5	35.1	37.6	40.1	42.6	45.6	48.6	51.6	55.1	58.6	62.6	*2.50	6.90					1.17	1.50	2.14	3.75
18.0	20.1	22.1	24.7	27.2	29.7	32.3	34.8	37.8	40.8	43.9	47.4	50.9	54.9	5.00	14.00	3.21	4.13	5.89	9.94	3.38	4.37	6.31	11.10
24.9	26.9	28.9	31.4	33.9	36.4	38.9	41.4	44.4	47.5	50.5	54.0	57.5	61.5	2.80	8.00	1.24	1.58	2.22	3.74	1.44	1.85	2.66	4.70
22.0	24.1	26.1	28.6	31.1	33.6	36.1	38.7	41.7	44.7	47.7	51.2	54.7	58.7	3.65	10.60	2.01	2.59	3.67	6.29	2.20	2.84	4.10	7.27
	14.1	16.3	19.0	21.6	24.2	26.8	29.3	32.4	35.4	38.5	42.0	45.6	49.6	6.50	19.00	4.50	5.80	8.22	13.30	4.65	6.03	8.65	14.80
18.2	20.3	22.3	24.9	27.4	29.9	32.5	35.0	38.0	41.0	44.0	47.6	51.1	55.1	4.75	14.00	2.99	3.85	5.48	9.30	3.16	4.09	5.90	10.40
26.1	28.1	30.2	32.7	35.2	37.7	40.2	42.7	45.7	48.7	51.7	55.2	58.7	62.7	*2.35	6.90					1.03	1.32	1.88	3.27
26.6	28.6	30.6	33.1	35.6	38.1	40.6	43.1	46.1	49.1	52.1	55.6	59.1	63.1	*2.20	6.50					.89	1.14	1.62	2.79
25.0	27.0	29.0	31.5	34.0	36.5	39.0	41.6	44.6	47.6	50.6	54.1	57.6	61.6	2.65	8.00	1.10	1.40	1.96	3.27	1.30	1.68	2.40	4.23
18.4	20.4	22.5	25.0	27.6	30.1	32.6	35.2	38.2	41.2	44.2	47.7	51.3	55.3	4.50	14.00	2.77	3.57	5.08	8.65	2.94	3.81	5.50	9.70
						19.8	22.5	25.7	28.8	32.0	35.6	39.2	43.3	8.00	25.00	5.75	7.40	10.40	†	5.90	7.63	10.90	†
											25.3	29.1	33.4	10.60	33.50	7.85	10.00	13.90	†	7.99	10.30	14.50	†
	14.4	16.6	19.3	21.9	24.5	27.1	29.7	32.7	35.8	38.8	42.4	45.9	50.0	6.00	19.00	4.07	5.25	7.46	12.30	4.23	5.48	7.88	13.60
26.3	28.3	30.3	32.8	35.3	37.8	40.3	42.8	45.8	48.8	51.8	53.3	58.8	62.8	*2.20	6.90					.89	1.14	1.62	2.79
22.3	24.3	26.3	28.8	31.3	33.9	36.4	38.9	41.9	44.9	47.9	51.4	54.9	58.9	3.35	10.60	1.74	2.23	3.16	5.41	1.93	2.50	3.59	6.38
25.1	27.1	29.1	31.6	34.1	36.7	39.2	41.7	44.7	47.7	50.7	54.2	57.7	61.7	*2.50	8.00					1.17	1.50	2.14	3.75
22.4	24.4	26.4	29.0	31.5	34.0	36.5	39.0	42.0	45.1	48.1	51.6	55.1	59.1	3.15	10.60	1.57	2.01	2.84	4.85	1.75	2.26	3.26	5.77
	14.7	16.9	19.5	22.2	24.8	27.4	29.9	33.0	36.1	39.1	42.7	46.2	50.2	5.60	19.00	3.74	4.82	6.86	11.40	3.89	5.04	7.26	12.60
18.6	20.7	22.7	25.3	27.8	30.4	32.9	35.4	38.5	41.5	44.5	48.0	51.5	55.6	4.12	14.00	2.44	3.14	4.47	7.66	2.61	3.38	4.88	8.64
25.2	27.2	29.2	31.7	34.3	36.8	39.3	41.8	44.8	47.8	50.8	54.3	57.8	61.8	*2.35	8.00					1.03	1.32	1.88	3.27
22.5	24.5	26.6	29.1	31.6	34.1	36.6	39.1	42.2	45.2	48.2	51.7	55.2	59.2	3.00	10.60	1.43	1.83	2.58	4.39	1.62	2.09	3.00	5.31
	14.8	17.0	19.7	22.4	25.0	27.6	30.1	33.2	36.3	39.3	42.9	46.4	50.5	5.30	19.00	3.48	4.48	6.38	10.70	3.63	4.71	6.78	11.90
					17.6	20.5	23.2	26.4	29.6	32.7	36.3	39.9	44.0	6.90	25.00	4.85	6.24	8.84	14.10	4.99	6.46	9.26	15.70
25.3	27.3	29.3	31.9	34.4	36.9	39.4	41.9	44.9	47.9	50.9	54.4	57.9	61.9	*2.20	8.00					.89	1.14	1.62	2.79
	15.0	17.2	19.9	22.6	25.2	27.8	30.4	33.4	36.5	39.5	43.1	46.6	50.7	5.00	19.00	3.22	4.14	5.91	9.98	3.38	4.37	6.31	11.10
22.6	24.7	26.7	29.2	31.7	34.3	36.8	39.3	42.3	45.3	48.3	51.8	55.3	59.4	2.80	10.60	1.25	1.59	2.24	3.78	1.44	1.85	2.66	4.70
					17.9	20.7	23.4	26.7	29.8	33.0	36.6	40.2	44.3	6.50	25.00	4.51	5.81	8.24	13.30	4.65	6.03	8.65	14.80
18.9	21.0	23.1	25.6	28.2	30.7	33.2	35.8	38.8	41.8	44.8	48.4	51.9	55.9	3.65	14.00	2.02	2.60	3.69	6.33	2.20	2.84	4.10	7.27
12.9	15.2	17.4	20.1	22.7	25.4	27.9	30.5	33.6	36.7	39.7	43.3	46.8	50.9	4.75	19.00	3.00	3.86	5.50	9.34	3.16	4.09	5.90	10.40

Key to correction factors: 0.8 0.9 1.0 1.1

† Rim speed higher than 6,500 feet per minute. See Page 218.

* Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.



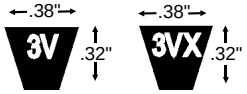
Super HC® Molded Notch V-Belt and Super HC Molded Notch PowerBand® Belt Drives

Table No. 6

DriveN Speed For Motor Speed of				Sheave Outside Diameters			V-Belt No. and Center Distance																	
870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	3V 3VX 250	3VX 265	3V 3VX 280	3V 3VX 300	3V 3VX 315	3V 3VX 335	3V 3VX 355	3V 3VX 375	3V 3VX 400	3V 3VX 425	3V 3VX 450	3V 3VX 475	3V 3VX 500	3V 3VX 530	3V 3VX 560	3V 3VX 600	3V 3VX 630
214	286	431	850	2.65	10.60	4.06								7.3	8.7	10.1	11.4	12.7	14.0	15.6	17.1	19.2	20.7
208	277	418	823	6.00	25.00	4.19																	
207	276	416	819	8.00	33.50	4.21																	
206	274	414	816	3.35	14.00	4.23													10.0	11.7	13.3	15.5	17.0
204	272	411	810	4.50	19.00	4.26																	
202	269	406	800	*2.50	10.60	4.31								7.4	8.8	10.2	11.5	12.8	14.1	15.7	17.2	19.3	20.8
193	258	389	767	3.15	14.00	4.50													10.1	11.8	13.4	15.6	17.2
193	258	389	767	5.60	25.00	4.50																	
190	253	381	752	*2.35	10.60	4.59								7.4	8.9	10.3	11.6	12.9	14.2	15.8	17.3	19.4	20.9
187	249	376	740	4.12	19.00	4.66																	
184	245	370	729	3.00	14.00	4.73													10.2	11.9	13.5	15.7	17.3
183	244	368	726	5.30	25.00	4.75																	
178	238	359	707	6.90	33.50	4.88																	
177	236	356	703	*2.20	10.60	4.91								7.5	9.0	10.3	11.7	13.0	14.3	15.9	17.4	19.5	21.0
173	230	347	685	5.00	25.00	5.04																	
172	229	345	680	2.80	14.00	5.07													10.3	12.0	13.7	15.8	17.4
168	224	337	665	6.50	33.50	5.19																	
165	221	333	656	3.65	19.00	5.26																	
164	218	330	650	4.75	25.00	5.31																	
162	216	326	642	2.65	14.00	5.37												8.9	10.4	12.1	13.8	15.9	17.5
155	207	312	615	4.50	25.00	5.61																	
155	206	311	614	6.00	33.50	5.62																	
153	204	308	606	*2.50	14.00	5.69												9.0	10.5	12.2	13.9	16.0	17.6
152	202	305	601	3.35	19.00	5.74																	
144	192	290	572	5.60	33.50	6.03																	
143	191	288	568	*2.35	14.00	6.07												9.0	10.6	12.3	13.9	16.1	17.7
142	190	286	565	3.15	19.00	6.11																	
142	189	285	563	4.12	25.00	6.13																	
137	182	275	542	5.30	33.50	6.37																	
136	181	273	537	3.00	19.00	6.42																	
134	179	270	532	*2.20	14.00	6.49												9.1	10.6	12.4	14.0	16.2	17.8
129	172	259	510	5.00	33.50	6.76																	
126	168	254	501	2.80	19.00	6.89																	
126	167	253	498	3.65	25.00	6.93																	
122	163	246	485	4.75	33.50	7.12																	
119	159	240	473	2.65	19.00	7.29																	
116	154	233	459	4.50	33.50	7.52																	
115	153	231	456	3.35	25.00	7.56																	
113	150	226	446	*2.50	19.00	7.73																	11.7
108	144	217	429	3.15	25.00	8.05																	
106	141	213	420	4.12	33.50	8.22																	
106	141	212	419	*2.35	19.00	8.24																	11.8
103	137	207	408	3.00	25.00	8.46																	
99	132	199	392	*2.20	19.00	8.81																	11.9
96	128	193	380	2.80	25.00	9.07																	
94	125	188	371	3.65	33.50	9.29																	
91	121	182	359	2.65	25.00	9.60																	
86	114	173	340	3.35	33.50	10.14																	
85	114	172	339	*2.50	25.00	10.18																	
81	108	162	320	3.15	33.50	10.79																	
80	107	161	318	*2.35	25.00	10.85																	
77	102	154	304	3.00	33.50	11.34																	
75	100	151	297	*2.20	25.00	11.60																	
72	95	144	284	2.80	33.50	12.16																	
68	90	136	268	2.65	33.50	12.87																	
64	85	128	253	*2.50	33.50	13.65																	
60	80	120	237	*2.35	33.50	14.54																	
56	75	112	222	*2.20	33.50	15.56																	

Key to correction factors: 0.7 0.8 0.9

* Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

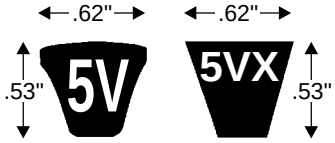


V-Belt No. and Center Distance														Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio) RPM of Small Sheave							
																Super HC				Super HC Molded Notch			
3V 3VX 670	3V 3VX 710	3V 3VX 750	3V 3VX 800	3V 3VX 850	3V 3VX 900	3V 3VX 950	3V 3VX 1000	3V 3VX 1060	3V 3VX 1120	3V 3VX 1180	3V 3VX 1250	3V 3VX 1320	3V 3VX 1400	Small Sheave	Large Sheave	870 RPM	1160 RPM	1750 RPM	3450 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
22.8	24.8	26.8	29.3	31.9	34.4	36.9	39.4	42.4	45.4	48.4	51.9	55.5	59.5	2.65	10.60	1.11	1.41	1.98	3.31	1.30	1.68	2.40	4.23
					18.2	21.0	23.8	27.0	30.2	33.3	36.9	40.6	44.7	6.00	25.00	4.08	5.26	7.48	12.30	4.23	5.48	7.88	13.60
										22.9	26.9	30.8	35.1	8.00	33.50	5.76	7.41	10.40	†	5.90	7.63	10.90	†
19.1	21.2	23.3	25.8	28.4	30.9	33.5	36.0	39.0	42.0	45.1	48.6	52.1	56.1	3.35	14.00	1.75	2.24	3.18	5.45	1.93	2.50	3.59	6.38
13.0	15.3	17.6	20.3	22.9	25.5	28.1	30.7	33.8	36.8	39.9	43.4	47.0	51.0	4.50	19.00	2.78	3.58	5.10	8.69	2.94	3.81	5.50	9.70
22.9	24.9	26.9	29.4	32.0	34.5	37.0	39.5	42.5	45.5	48.5	52.1	55.6	59.6	*2.50	10.60					1.17	1.50	2.14	3.75
19.3	21.3	23.4	26.0	28.5	31.1	33.6	36.1	39.2	42.2	45.2	48.7	52.3	56.3	3.15	14.00	1.57	2.01	2.84	4.85	1.75	2.26	3.26	5.77
					18.4	21.3	24.0	27.3	30.4	33.6	37.2	40.8	44.9	5.60	25.00	3.74	4.82	6.86	11.40	3.89	5.04	7.26	12.60
23.0	25.0	27.0	29.5	32.1	34.6	37.1	39.6	42.6	45.6	48.7	52.2	55.7	59.7	*2.35	10.60					1.03	1.32	1.88	3.27
13.3	15.6	17.8	20.5	23.2	25.8	28.4	31.0	34.0	37.1	40.2	43.7	47.3	51.3	4.12	19.00	2.44	3.14	4.47	7.66	2.61	3.38	4.88	8.64
19.4	21.4	23.5	26.1	28.6	31.2	33.7	36.2	39.3	42.3	45.3	48.8	52.4	56.4	3.00	14.00	1.43	1.83	2.58	4.39	1.62	2.09	3.00	5.31
					18.6	21.5	24.2	27.4	30.6	33.8	37.4	41.0	45.1	5.30	25.00	3.48	4.48	6.38	10.70	3.63	4.71	6.78	11.90
										23.5	27.6	31.5	35.8	6.90	33.50	4.85	6.24	8.84	14.10	4.99	6.46	9.26	15.70
23.1	25.1	27.1	29.7	32.2	34.7	37.2	39.7	42.7	45.8	48.8	52.3	55.8	59.8	*2.20	10.60					.89	1.14	1.62	2.79
				15.8	18.8	21.6	24.4	27.6	30.8	34.0	37.6	41.2	45.3	5.00	25.00	3.22	4.14	5.91	9.98	3.38	4.37	6.31	11.10
19.5	21.6	23.6	26.2	28.8	31.3	33.8	36.4	39.4	42.4	45.5	49.0	52.5	56.5	2.80	14.00	1.25	1.59	2.24	3.78	1.44	1.85	2.66	4.70
										23.8	27.8	31.7	36.1	6.50	33.50	4.51	5.81	8.24	13.30	4.65	6.03	8.65	14.80
13.5	15.9	18.1	20.8	23.5	26.1	28.7	31.3	34.4	37.4	40.5	44.1	47.6	51.6	3.65	19.00	2.02	2.60	3.69	6.33	2.20	2.84	4.10	7.27
				15.9	18.9	21.8	24.6	27.8	31.0	34.1	37.8	41.4	45.5	4.75	25.00	3.00	3.86	5.50	9.34	3.16	4.09	5.90	10.40
19.6	21.7	23.8	26.3	28.9	31.4	34.0	36.5	39.5	42.6	45.6	49.1	52.6	56.6	2.65	14.00	1.11	1.41	1.98	3.31	1.30	1.68	2.40	4.23
				16.1	19.1	21.9	24.7	28.0	31.2	34.3	38.0	41.6	45.7	4.50	25.00	2.78	3.58	5.10	8.69	2.94	3.81	5.50	9.70
										24.1	28.1	32.0	36.4	6.00	33.50	4.08	5.26	7.48	12.30	4.23	5.48	7.88	13.60
19.7	21.8	23.9	26.4	29.0	31.5	34.1	36.6	39.6	42.7	45.7	49.2	52.7	56.8	*2.50	14.00					1.17	1.50	2.14	3.75
13.7	16.0	18.3	21.0	23.7	26.3	28.9	31.5	34.6	37.6	40.7	44.3	47.8	51.9	3.35	19.00	1.75	2.24	3.18	5.45	1.93	2.50	3.59	6.38
									20.6	24.3	28.4	32.3	36.7	5.60	33.50	3.74	4.82	6.86	11.40	3.89	5.04	7.26	12.60
19.8	21.9	24.0	26.5	29.1	31.6	34.2	36.7	39.7	42.8	45.8	49.3	52.8	56.9	*2.35	14.00					1.03	1.32	1.88	3.27
13.8	16.2	18.4	21.1	23.8	26.4	29.0	31.6	34.7	37.8	40.8	44.4	48.0	52.0	3.15	19.00	1.57	2.01	2.84	4.85	1.75	2.26	3.26	5.77
				16.3	19.3	22.2	25.0	28.2	31.4	34.6	38.2	41.8	46.0	4.12	25.00	2.44	3.14	4.47	7.66	2.61	3.38	4.88	8.64
									20.8	24.5	28.6	32.5	36.8	5.30	33.50	3.48	4.48	6.38	10.70	3.63	4.71	6.78	11.90
13.9	16.3	18.5	21.2	23.9	26.5	29.1	31.7	34.8	37.9	40.9	44.5	48.1	52.1	3.00	19.00	1.43	1.83	2.58	4.39	1.62	2.09	3.00	5.31
19.9	22.0	24.1	26.6	29.2	31.7	34.3	36.8	39.8	42.9	45.9	49.4	53.0	57.0	*2.20	14.00					.89	1.14	1.62	2.79
									20.9	24.7	28.7	32.7	37.0	5.00	33.50	3.22	4.14	5.91	9.98	3.38	4.37	6.31	11.10
14.1	16.4	18.6	21.4	24.0	26.7	29.3	31.9	34.9	38.0	41.1	44.7	48.2	52.3	2.80	19.00	1.25	1.59	2.24	3.78	1.44	1.85	2.66	4.70
				16.6	19.6	22.5	25.3	28.5	31.7	34.9	38.5	42.2	46.3	3.65	25.00	2.02	2.60	3.69	6.33	2.20	2.84	4.10	7.27
									21.1	24.8	28.9	32.8	37.2	4.75	33.50	3.00	3.86	5.50	9.34	3.16	4.09	5.90	10.40
14.1	16.5	18.7	21.4	24.1	26.8	29.4	32.0	35.1	38.1	41.2	44.8	48.3	52.4	2.65	19.00	1.11	1.41	1.98	3.31	1.30	1.68	2.40	4.23
									21.2	25.0	29.1	33.0	37.4	4.50	33.50	2.78	3.58	5.10	8.69	2.94	3.81	5.50	9.70
				16.7	19.8	22.7	25.4	28.7	31.9	35.1	38.7	42.4	46.5	3.35	25.00	1.75	2.24	3.18	5.45	1.93	2.50	3.59	6.38
14.2	16.6	18.8	21.5	24.2	26.9	29.5	32.1	35.2	38.2	41.3	44.9	48.4	52.5	*2.50	19.00					1.17	1.50	2.14	3.75
				16.9	19.9	22.8	25.6	28.8	32.0	35.2	38.9	42.5	46.6	3.15	25.00	1.57	2.01	2.84	4.85	1.75	2.26	3.26	5.77
									21.4	24.2	29.3	33.2	37.6	4.12	33.50	2.44	3.14	4.47	7.66	2.61	3.38	4.88	8.64
14.3	16.7	18.9	21.6	24.3	27.0	29.6	32.2	35.3	38.3	41.4	45.0	48.5	52.6	*2.35	19.00					1.03	1.32	1.88	3.27
				17.0	20.0	22.9	25.7	28.9	32.1	35.3	39.0	42.6	46.7	3.00	25.00	1.43	1.83	2.58	4.39	1.62	2.09	3.00	5.31
14.4	16.8	19.0	21.7	24.4	27.1	29.7	32.3	35.4	38.4	41.5	45.1	48.6	52.7	*2.20	19.00					.89	1.14	1.62	2.79
				17.1	20.1	23.0	25.8	29.1	32.3	35.4	39.1	42.7	46.9	2.80	25.00	1.25	1.59	2.24	3.78	1.44	1.85	2.66	4.70
									21.7	25.5	29.6	33.5	37.9	3.65	33.50	2.02	2.60	3.69	6.33	2.20	2.84	4.10	7.27
				17.2	20.2	23.1	25.9	29.2	32.4	35.5	39.2	42.8	47.0	2.65	25.00	1.11	1.41	1.98	3.31	1.30	1.68	2.40	4.23
									21.9	25.6	29.8	33.7	38.1	3.35	33.50	1.75	2.24	3.18	5.45	1.93	2.50	3.59	6.38
				17.2	20.3	23.2	26.0	29.2	32.5	35.6	39.3	42.9	47.1	*2.50	25.00					1.17	1.50	2.14	3.75
									22.0	25.8	29.9	33.8	38.2	3.15	33.50	1.57	2.01	2.84	4.85	1.75	2.26	3.26	5.77
				17.3	20.4	23.3	26.1	29.3	32.6	35.7	39.4	43.0	47.2	*2.35	25.00					1.03	1.32	1.88	3.27
									22.1	25.8	30.0	33.9	38.3	3.00	33.50	1.43	1.83	2.58	4.39	1.62	2.09	3.00	5.31
				17.4	20.5	23.4	26.2	29.4	32.7	35.8	39.5	43.1	47.3	*2.20	25.00					.89	1.14	1.62	2.79
									22.2	26.0	30.1	34.0	38.4	2.80	33.50	1.25	1.59	2.24	3.78	1.44	1.85	2.66	4.70
									22.3	26.1	30.2	34.1	38.5	2.65	33.50	1.11	1.41	1.98	3.31	1.30	1.68	2.40	4.23
									22.4	26.1	30.3	34.2	38.6	*2.50	33.50					1.17	1.50	2.14	3.75
									22.5	26.2	30.4	34.3	38.7	*2.35	33.50					1.03	1.32	1.88	3.27
									22.5	26.3	30.5	34.4	38.8	*2.20	33.50					.89	1.14	1.62	2.79

Key to correction factors: 0.8 0.9 1.0 1.1

† Rim speed higher than 6,500 feet per minute. See Page 218.

* Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.



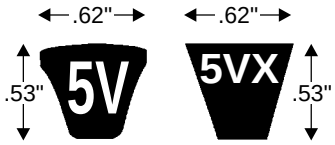
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																		
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5VX 450	5VX 470	5VX 490	5V 5VX 500	5VX 510	5V 5VX 530	5VX 540	5VX 550	5V 5VX 560	5VX 570	5VX 580	5VX 590	5V 5VX 600	5VX 610	5V 5VX 630	5VX 650	5VX 660	5V 5VX 670
575	690	870	1160	1750	*4.40	*4.40	1.00	15.6	16.6	17.6	18.1	18.6	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.6	25.6	26.1	26.6
575	690	870	1160	1750	*4.65	*4.65	1.00	15.2	16.2	17.2	17.7	18.2	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	24.2	25.2	25.7	26.2
575	690	870	1160	1750	*4.90	*4.90	1.00	14.8	15.8	16.8	17.3	17.8	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.8	24.8	25.3	25.8
575	690	870	1160	1750	*5.20	*5.20	1.00	14.3	15.3	16.3	16.8	17.3	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	23.3	24.3	24.8	25.3
575	690	870	1160	1750	*5.50	*5.50	1.00	13.9	14.9	15.9	16.4	16.9	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.9	23.9	24.4	24.9
575	690	870	1160	1750	*5.90	*5.90	1.00	13.2	14.2	15.2	15.7	16.2	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	22.2	23.2	23.7	24.2
575	690	870	1160	1750	*6.30	*6.30	1.00	12.6	13.6	14.6	15.1	15.6	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.6	22.6	23.1	23.6
575	690	870	1160	1750	*6.70	*6.70	1.00	12.0	13.0	14.0	14.5	15.0	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	21.0	22.0	22.5	23.0
575	690	870	1160	1750	7.10	7.10	1.00	11.3	12.3	13.3	13.8	14.3	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	20.3	21.3	21.8	22.3
575	690	870	1160	1750	7.50	7.50	1.00	10.7	11.7	12.7	13.2	13.7	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.7	20.7	21.2	21.7
575	690	870	1160	1750	8.00	8.00	1.00	9.9	10.9	11.9	12.4	12.9	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.9	19.9	20.4	20.9
575	690	870	1160	1750	8.50	8.50	1.00		10.1	11.1	11.6	12.1	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	18.1	19.1	19.6	20.1
575	690	870	1160	1750	9.00	9.00	1.00			10.4	10.9	11.4	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	17.4	18.4	18.9	19.4
575	690	870	1160	1750	9.25	9.25	1.00				10.5	11.0	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	17.0	18.0	18.5	19.0
575	690	870	1160	1750	9.75	9.75	1.00						11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	16.2	17.2	17.7	18.2
575	690	870	1160	1750	10.30	10.30	1.00								11.3	11.8	12.3	12.8	13.3	13.8	14.3	15.3	16.3	16.8	17.3
575	690	870	1160	1750	10.90	10.90	1.00											11.9	12.4	12.9	13.4	14.4	15.4	15.9	16.4
575	690	870	1160	1750	11.30	11.30	1.00													12.3	12.8	13.8	14.8	15.3	15.8
575	690	870	1160	1750	11.80	11.80	1.00															13.0	14.0	14.5	15.0
575	690	870	1160	1750	12.50	12.50	1.00																		13.9
575	690	870	1160	1750	13.20	13.20	1.00																		
575	690	870	1160	1750	14.00	14.00	1.00																		
575	690	870	1160	1750	15.00	15.00	1.00																		
575	690	870	1160	1750	16.00	16.00	1.00																		
558	670	845	1126	1699	9.00	9.25	1.03			10.2	10.7	11.2	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	17.2	18.2	18.7	19.2
553	663	837	1115	1683	10.90	11.30	1.04												12.1	12.6	13.1	14.1	15.1	15.6	16.1
553	663	837	1115	1683	11.30	11.80	1.04															13.4	14.4	14.9	15.4
548	657	829	1105	1667	*4.65	*4.90	1.05	15.0	16.0	17.0	17.5	18.0	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	24.0	25.0	25.5	26.0
548	657	829	1105	1667	9.25	9.75	1.05					10.6	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.6	17.6	18.1	18.6
542	651	821	1094	1651	*4.40	*4.65	1.06	15.4	16.4	17.4	17.9	18.4	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	24.4	25.4	25.9	26.4
542	651	821	1094	1651	*4.90	*5.20	1.06	14.6	15.6	16.6	17.1	17.6	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.6	24.6	25.1	25.6
542	651	821	1094	1651	*5.20	*5.50	1.06	14.1	15.1	16.1	16.6	17.1	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	23.1	24.1	24.6	25.1
542	651	821	1094	1651	*6.30	*6.70	1.06	12.3	13.3	14.3	14.8	15.3	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	21.3	22.3	22.8	23.3
542	651	821	1094	1651	*6.70	7.10	1.06	11.7	12.7	13.7	14.2	14.7	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.7	21.7	22.2	22.7
542	651	821	1094	1651	7.10	7.50	1.06	11.0	12.0	13.0	13.5	14.0	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	20.0	21.0	21.5	22.0
542	651	821	1094	1651	8.00	8.50	1.06	9.5	10.5	11.5	12.0	12.5	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.5	19.5	20.0	20.5
542	651	821	1094	1651	8.50	9.00	1.06		9.8	10.8	11.3	11.8	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.8	18.8	19.3	19.8
542	651	821	1094	1651	9.75	10.30	1.06							11.2	11.7	12.2	12.7	13.2	13.8	14.3	14.8	15.8	16.8	17.3	17.8
542	651	821	1094	1651	10.30	10.90	1.06										11.8	12.3	12.8	13.3	13.8	14.8	15.8	16.3	16.8
542	651	821	1094	1651	11.80	12.50	1.06																13.4	13.9	14.4
542	651	821	1094	1651	12.50	13.20	1.06																		
542	651	821	1094	1651	13.20	14.00	1.06																		
537	645	813	1084	1636	*5.50	*5.90	1.07	13.5	14.5	15.5	16.0	16.5	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.5	23.5	24.0	24.5
537	645	813	1084	1636	*5.90	*6.30	1.07	12.9	13.9	14.9	15.4	15.9	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.9	22.9	23.4	23.9
537	645	813	1084	1636	7.50	8.00	1.07	10.3	11.3	12.3	12.8	13.3	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	19.3	20.3	20.8	21.3
537	645	813	1084	1636	14.00	15.00	1.07																		
537	645	813	1084	1636	15.00	16.00	1.07																		
532	639	806	1074	1620	9.00	9.75	1.08					10.8	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.8	17.8	18.3	18.8
532	639	806	1074	1620	10.90	11.80	1.08														12.7	13.7	14.7	15.2	15.7
528	633	798	1064	1606	8.50	9.25	1.09			10.6	11.1	11.6	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.6	18.6	19.1	19.6
523	627	791	1055	1591	10.30	11.30	1.10											12.0	12.5	13.0	13.5	14.5	15.5	16.0	16.5
518	622	784	1045	1577	9.25	10.30	1.11						11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	16.1	17.1	17.6	18.1
518	622	784	1045	1577	11.30	12.50	1.11																13.8	14.3	14.8
513	616	777	1036	1563	*4.40	*4.90	1.12	15.2	16.2	17.2	17.7	18.2	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	24.2	25.2	25.7	26.2
513	616	777	1036	1563	*4.65	*5.20	1.12	14.8	15.8	16.8	17.3	17.8	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.8	24.8	25.3	25.8
513	616	777	1036	1563	*6.70	7.50	1.12	11.3	12.3	13.3	13.8	14.3	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	20.3	21.3	21.8	22.3
513	616	777	1036	1563	9.75	10.90	1.12								11.3	11.8	12.3	12.8	13.3	13.8	14.3	15.3	16.3	16.8	17.3
513	616	777	1036	1563	11.80	13.20	1.12																		13.8
513	616	777	1036	1563	12.50	14.00	1.12																		
509	611	770	1027	1549	*4.90	*5.50	1.13	14.3	15.3	16.3	16.8	17.3	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	23.3	24.3	24.8	25.3
509	611	770	1027	1549	*6.30	7.10	1.13	12.0	13.0	14.0	14.5	15.0	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	21.0	22.0	22.5	23.0
509	611	770	1027	1549	7.10	8.00	1.13	10.6	11.6	12.6	13.1	13.6	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.6	20.6	21.1	21.6
509	611	770	1027	1549	8.00	9.00	1.13		10.1	11.1	11.6	12.1	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	18.1	19.1	19.6	20.1

Key to correction factors: 0.8 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.



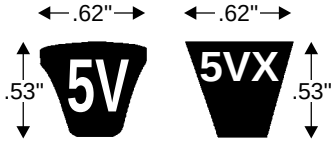
V-Belt No. and Center Distance

5VX 680	5VX 690	5V 5VX 710	5VX 730	5VX 740	5V 5VX 750	5VX 780	5V 5VX 800	5VX 810	5VX 830	5VX 840	5V 5VX 850	5VX 860	5VX 880	Sheave Outside Diameters Small Sheave	Large Sheave	Super HC RPM of Small Sheave 575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Super HC Molded Notch RPM of Small Sheave 575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
27.1	27.6	28.6	29.6	30.1	30.6	32.1	33.1	33.6	34.6	35.1	35.6	36.1	37.1	*4.40	*4.40						3.27	3.82	4.64	5.90	7.93
26.7	27.2	28.2	29.2	29.7	30.2	31.7	32.7	33.2	34.2	34.7	35.2	35.7	36.7	*4.65	*4.65						3.69	4.32	5.26	6.71	9.40
26.3	26.8	27.8	28.8	29.3	29.8	31.3	32.3	32.8	33.8	34.3	34.8	35.3	36.3	*4.90	*4.90						4.11	4.81	5.88	7.51	10.6
25.8	26.3	27.3	28.3	28.8	29.3	30.8	31.8	32.3	33.3	33.8	34.3	34.8	35.8	*5.20	*5.20						4.61	5.41	6.61	8.46	11.9
25.4	25.9	26.9	27.9	28.4	28.9	30.4	31.4	31.9	32.9	33.4	33.9	34.4	35.4	*5.50	*5.50						5.11	6.00	7.35	9.42	13.3
24.7	25.2	26.2	27.2	27.7	28.2	29.7	30.7	31.2	32.2	32.7	33.2	33.7	34.7	*5.90	*5.90						5.77	6.78	8.32	10.7	15.1
24.1	24.6	25.6	26.6	27.1	27.6	29.1	30.1	30.6	31.6	32.1	32.6	33.1	34.1	*6.30	*6.30						6.43	7.57	9.28	11.9	16.9
23.5	24.0	25.0	26.0	26.5	27.0	28.5	29.5	30.0	31.0	31.5	32.0	32.5	33.5	*6.70	*6.70						7.09	8.34	10.2	13.2	18.7
22.8	23.3	24.3	25.3	25.8	26.3	27.8	28.8	29.3	30.3	30.8	31.3	31.8	32.8	7.10	7.10	6.35	7.42	9.02	11.4	15.6	7.74	9.12	11.2	14.4	20.4
22.2	22.7	23.7	24.7	25.2	25.7	27.2	28.2	28.7	29.7	30.2	30.7	31.2	32.2	7.50	7.50	6.99	8.18	9.95	12.6	17.2	8.40	9.88	12.1	15.6	22.1
21.4	21.9	22.9	23.9	24.4	24.9	26.4	27.4	27.9	28.9	29.4	29.9	30.4	31.4	8.00	8.00	7.79	9.12	11.1	14.1	19.2	9.21	10.8	13.3	17.1	24.3
20.6	21.1	22.1	23.1	23.6	24.1	25.6	26.6	27.1	28.1	28.6	29.1	29.6	30.6	8.50	8.50	8.58	10.1	12.2	15.5	21.2	10.0	11.8	14.5	18.7	26.4
19.9	20.4	21.4	22.4	22.9	23.4	24.9	25.9	26.4	27.4	27.9	28.4	28.9	29.9	9.00	9.00	9.37	11.0	13.4	17.0	23.0	10.8	12.7	15.7	20.1	28.4
19.5	20.0	21.0	22.0	22.5	23.0	24.5	25.5	26.0	27.0	27.5	28.0	28.5	29.5	9.25	9.25	9.76	11.4	13.9	17.7	24.0	11.2	13.2	16.2	20.9	29.4
18.7	19.2	20.2	21.2	21.7	22.2	23.7	24.7	25.2	26.2	26.7	27.2	27.7	28.7	9.75	9.75	10.5	12.4	15.1	19.1	25.8	12.0	14.1	17.4	22.4	31.4
17.8	18.3	19.3	20.3	20.8	21.3	22.8	23.8	24.3	25.3	25.8	26.3	26.8	27.8	10.30	10.30	11.4	13.4	16.3	20.6	27.7	12.9	15.2	18.6	24.0	33.6
16.9	17.4	18.4	19.4	19.9	20.4	21.9	22.9	23.4	24.4	24.9	25.4	25.9	26.9	10.90	10.90	12.3	14.4	17.6	22.2	29.7	13.8	16.3	20.0	25.7	35.9
16.3	16.8	17.8	18.8	19.3	19.8	21.3	22.3	22.8	23.8	24.3	24.8	25.3	26.3	11.30	11.30	12.9	15.2	18.5	23.3	31.0	14.4	17.0	20.9	26.8	37.4
15.5	16.0	17.0	18.0	18.5	19.0	20.5	21.5	22.0	23.0	23.5	24.0	24.5	25.5	11.80	11.80	13.7	16.1	19.5	24.6	32.6	15.2	17.9	22.0	28.2	39.3
14.4	14.9	15.9	16.9	17.4	17.9	19.4	20.4	20.9	21.9	22.4	22.9	23.4	24.4	12.50	12.50	14.8	17.3	21.0	26.4	34.7	16.3	19.2	23.6	30.2	41.8
		14.8	15.8	16.3	16.8	18.3	19.3	19.8	20.8	21.3	21.8	22.3	23.3	13.20	13.20	15.8	18.5	22.5	28.2	36.7	17.4	20.5	25.1	32.1	44.2
				15.0	15.5	17.0	18.0	18.5	19.5	20.0	20.5	21.0	22.0	14.00	14.00	17.0	19.9	24.1	30.2	38.8	18.6	21.9	26.9	34.3	46.9
							16.4	16.9	17.9	18.4	18.9	19.4	20.4	15.00	15.00	18.5	21.6	26.2	32.5	†41.1	20.1	23.7	29.0	36.9	†50.1
											17.4	17.9	18.9	16.00	16.00	19.9	23.3	28.1	34.8	†	21.6	25.4	31.1	39.5	†
19.7	20.2	21.2	22.2	22.7	23.2	24.7	25.7	26.2	27.2	27.7	28.2	28.7	29.7	9.00	9.25	9.43	11.0	13.5	17.1	23.2	10.9	12.8	15.8	20.3	28.7
16.6	17.1	18.1	19.1	19.6	20.1	21.6	22.6	23.1	24.1	24.6	25.1	25.6	26.6	10.90	11.30	12.4	14.5	17.7	22.3	29.9	13.9	16.4	20.1	25.9	36.2
15.9	16.4	17.4	18.4	18.9	19.4	20.9	21.9	22.4	23.4	23.9	24.4	24.9	25.9	11.30	11.80	13.0	15.2	18.5	23.4	31.2	14.5	17.1	21.0	27.0	37.7
26.5	27.0	28.0	29.0	29.5	30.0	31.5	32.5	33.0	34.0	34.5	35.0	35.5	36.5	*4.65	*4.90						3.78	4.43	5.40	6.89	9.68
19.1	19.6	20.6	21.6	22.1	22.6	24.1	25.1	25.6	26.6	27.1	27.6	28.1	29.1	9.25	9.75	9.92	11.6	14.2	18.0	24.4	11.3	13.3	16.4	21.1	29.7
26.9	27.4	28.4	29.4	29.9	30.4	31.9	32.9	33.4	34.4	34.9	35.4	35.9	36.9	*4.40	*4.65						3.41	3.98	4.85	6.18	8.65
26.1	26.6	27.6	28.6	29.1	29.6	31.1	32.1	32.6	33.6	34.1	34.6	35.1	36.1	*4.90	*5.20						4.25	4.98	6.09	7.79	11.0
25.6	26.1	27.1	28.1	28.6	29.1	30.6	31.6	32.1	33.1	33.6	34.1	34.6	35.6	*5.20	*5.50						4.75	5.57	6.82	8.74	12.4
23.8	24.3	25.3	26.3	26.8	27.3	28.8	29.8	30.3	31.3	31.8	32.3	32.8	33.8	*6.30	*6.70						6.57	7.73	9.49	12.2	17.3
23.2	23.7	24.7	25.7	26.2	26.7	28.2	29.2	29.7	30.7	31.2	31.7	32.2	33.2	*6.70	7.10						7.23	8.51	10.5	13.4	19.1
22.5	23.0	24.0	25.0	25.5	26.0	27.5	28.5	29.0	30.0	30.5	31.0	31.5	32.5	7.10	7.50	6.50	7.60	9.25	11.7	16.1	7.88	9.28	11.4	14.7	20.8
21.0	21.5	22.5	23.5	24.0	24.5	26.0	27.0	27.5	28.5	29.0	29.5	30.0	31.0	8.00	8.50	7.94	9.30	11.3	14.4	19.7	9.34	11.0	13.5	17.4	24.7
20.3	20.8	21.8	22.8	23.3	23.8	25.3	26.3	26.8	27.8	28.3	28.8	29.3	30.3	8.50	9.00	8.73	10.2	12.5	15.8	21.6	10.1	12.0	14.7	18.9	26.8
18.3	18.8	19.8	20.8	21.3	21.8	23.3	24.3	24.8	25.8	26.3	26.8	27.3	28.3	9.75	10.30	10.7	12.5	15.3	19.4	26.2	12.1	14.3	17.6	22.6	31.9
17.3	17.8	18.8	19.8	20.3	20.8	22.3	23.3	23.8	24.8	25.3	25.8	26.3	27.3	10.30	10.90	11.6	13.5	16.5	20.9	28.2	13.0	15.3	18.9	24.2	34.0
14.9	15.4	16.4	17.4	17.9	18.4	19.9	20.9	21.4	22.4	22.9	23.4	23.9	24.9	11.80	12.50	13.9	16.2	19.8	24.9	33.1	15.4	18.1	22.2	28.5	39.7
	14.3	15.3	16.3	16.8	17.3	18.8	19.8	20.3	21.3	21.8	22.3	22.8	23.8	12.50	13.20	14.9	17.5	21.3	26.7	35.2	16.5	19.4	23.8	30.5	42.2
			15.1	15.6	16.1	17.6	18.6	19.1	20.1	20.6	21.1	21.6	22.6	13.20	14.00	16.0	18.7	22.7	28.5	37.1	17.5	20.6	25.3	32.4	44.6
25.0	25.5	26.5	27.5	28.0	28.5	30.0	31.0	31.5	32.5	33.0	33.5	34.0	35.0	*5.50	*5.90						5.25	6.17	7.55	9.69	13.7
24.4	24.9	25.9	26.9	27.4	27.9	29.4	30.4	30.9	31.9	32.4	32.9	33.4	34.4	*5.90	*6.30						5.91	6.95	8.53	11.0	15.5
21.8	22.3	23.3	24.3	24.8	25.3	26.8	27.8	28.3	29.3	29.8	30.3	30.8	31.8	7.50	8.00	7.14	8.36	10.2	12.9	17.7	8.53	10.1	12.4	15.9	22.6
						16.2	17.2	17.7	18.7	19.2	19.7	20.2	21.2	14.00	15.00	17.2	20.1	24.4	30.5	39.2	18.8	22.1	27.1	34.6	47.3
									17.1	17.6	18.1	18.6	19.6	15.00	16.00	18.6	21.8	26.4	32.9	†41.6	20.3	23.9	29.2	37.2	†50.5
19.3	19.8	20.8	21.8	22.3	22.8	24.3	25.3	25.8	26.8	27.3	27.8	28.3	29.3	9.00	9.75	9.52	11.2	13.6	17.3	23.5	10.9	12.9	15.9	20.4	28.8
16.2	16.7	17.7	18.7	19.2	19.7	21.2	22.2	22.7	23.7	24.2	24.7	25.2	26.2	10.90	11.80	12.5	14.6	17.8	22.5	30.2	14.0	16.4	20.2	26.0	36.3
20.1	20.6	21.6	22.6	23.1	23.6	25.1	26.1	26.6	27.6	28.1	28.6	29.1	30.1	8.50	9.25	8.73	10.2	12.5	15.8	21.6	10.2	12.0	14.8	19.0	26.9
17.0	17.5	18.5	19.5	20.0	20.5	22.0	23.0	23.5	24.5	25.0	25.5	26.0	27.0	10.30	11.30	11.6	13.5	16.5	20.9	28.2	13.1	15.4	18.9	24.3	34.2
18.6	19.1	20.1	21.1	21.6	22.1	23.6	24.6	25.1	26.1	26.6	27.1	27.6	28.6	9.25	10.30	10.0	11.8	14.3	18.2	24.8	11.4	13.4	16.5	21.3	30.0
15.3	15.8	16.8	17.8	18.3	18.8	20.3	21.3	21.8	22.8	23.3	23.8	24.3	25.3	11.30	12.50	13.2	15.5	18.9	23.8	31.8	14.6	17.2	21.2	27.2	38.0
26.7	27.2	28.2	29.2	29.7	30.2	31.7	32.7	33.2	34.2	34.7	35.2	35.7	36.7	*4.40	*4.90						3.45	4.04	4.92	6.27	8.79
26.3	26.8	27.8	28.8	29.3	29.8	31.3	32.3	32.8	33.8	34.3	34.8	35.3	36.3	*4.65	*5.20						3.87	4.54	5.54	7.08	9.96
22.8	23.3	24.3	25.3	25.8	26.3	27.8	28.8	29.3	30.3	30.8	31.3	31.8	32.8	*6.70	7.50						7.28	8.56	10.5	13.5	19.2
17.8	18.3	19.3	20.3	20.8	21.3	22.8	23.8	24.3	25.3	25.8	26.3	26.8	27.8	9.75	10.90	10.8	12.7	15.5	19.6	26.6	12.2	14.4	17.7	22.7	32.0
14.3	14.8	15.8	16.9	17.4	17.9	19.4	20.4	20.9	21.9	22.4	22.9	23.4	24.4	11.80	13.20	14.0	16.4	19.9	25.1	33.4	15.4	18.2	22.3	28.6	39.8
		14.7	15.7	16.2	16.7	18.2	19.2	19.7	20.7	21.2	21.7	22.2	23.2	12.50	14.00	15.0	17.6	21.4	27.0	35.5	16.5	19.4	23.9	30.6	42.3
25.8	26.3	27.3	28.3	28.8	29.3	30.8	31.8	32.3	33.3	33.8	34.3	34.8	35.8	*4.90	*5.50						4.34	5.09	6.23	7.97	11.3
23.5	24.0	25.0	26.0	26.5	27.0	28.5	29.5	30.0	31.0	31.5	32.0	32.5	33.5	*6.30	7.10						6.66	7.84	9.63	12.4	17.6
22.1	22.6	23.6	24.6	25.1	25.6	27.1	28.1	28.6	29.6	30.1	30.6	31.1	32.1	7.10	8.00	6.61	7.73	9.42	11.9	16.4	7.97	9.39	11.5	14.9	21.1
20.6	21.1	22.1	23.1	23.6	24.1	25.6	26.6	27.1	28.1	28.6	29.1	29.6	30.6	8.00	9.00	8.05	9.43	11.5	14.6	20.0	9.44	11.1	13.7	17.6	25.0

Key to correction factors: 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



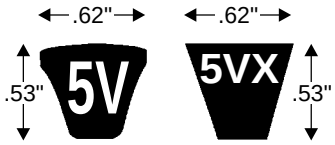
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																					
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5V 5VX 900	5VX 930	5V 5VX 950	5VX 960	5V 5VX 1000	5VX 1030	5V 5VX 1060	5VX 1080	5V 5VX 1120	5VX 1150	5V 5VX 1180	5VX 1230	5V 5VX 1250	5V 5VX 1320	5V 5VX 1400	5V 5VX 1500	5V 5VX 1600	5V 5VX 1700
575	690	870	1160	1750	*4.40	*4.40	1.00	38.1	39.6	40.6	41.1	43.1	44.6	46.1	47.1	49.1	50.6	52.1	54.6	55.6	59.1	63.1	68.1	73.1	78.1
575	690	870	1160	1750	*4.65	*4.65	1.00	37.7	39.2	40.2	40.7	42.7	44.2	45.7	46.7	48.7	50.2	51.7	54.2	55.2	58.7	62.7	67.7	72.7	77.7
575	690	870	1160	1750	*4.90	*4.90	1.00	37.3	38.8	39.8	40.3	42.3	43.8	45.3	46.3	48.3	49.8	51.3	53.8	54.8	58.3	62.3	67.3	72.3	77.3
575	690	870	1160	1750	*5.20	*5.20	1.00	36.8	38.3	39.3	39.8	41.8	43.3	44.8	45.8	47.8	49.3	50.8	53.3	54.3	57.8	61.8	66.8	71.8	76.8
575	690	870	1160	1750	*5.50	*5.50	1.00	36.4	37.9	38.9	39.4	41.4	42.9	44.4	45.4	47.4	48.9	50.4	52.9	53.9	57.4	61.4	66.4	71.4	76.4
575	690	870	1160	1750	*5.90	*5.90	1.00	35.7	37.2	38.2	38.7	40.7	42.2	43.7	44.7	46.7	48.2	49.7	52.2	53.2	56.7	60.7	65.7	70.7	75.7
575	690	870	1160	1750	*6.30	*6.30	1.00	35.1	36.6	37.6	38.1	40.1	41.6	43.1	44.1	46.1	47.6	49.1	51.6	52.6	56.1	60.1	65.1	70.1	75.1
575	690	870	1160	1750	*6.70	*6.70	1.00	34.5	36.0	37.0	37.5	39.5	41.0	42.5	43.5	45.5	47.0	48.5	51.0	52.0	55.5	59.5	64.5	69.5	74.5
575	690	870	1160	1750	7.10	7.10	1.00	33.8	35.3	36.3	36.8	38.8	40.3	41.8	42.8	44.8	46.3	47.8	50.3	51.3	54.8	58.8	63.8	68.8	73.8
575	690	870	1160	1750	7.50	7.50	1.00	33.2	34.7	35.7	36.2	38.2	39.7	41.2	42.2	44.2	45.7	47.2	49.7	50.7	54.2	58.2	63.2	68.2	73.2
575	690	870	1160	1750	8.00	8.00	1.00	32.4	33.9	34.9	35.4	37.4	38.9	40.4	41.4	43.4	44.9	46.4	48.9	49.9	53.4	57.4	62.4	67.4	72.4
575	690	870	1160	1750	8.50	8.50	1.00	31.6	33.1	34.1	34.6	36.6	38.1	39.6	40.6	42.6	44.1	45.6	48.1	49.1	52.6	56.6	61.6	66.6	71.6
575	690	870	1160	1750	9.00	9.00	1.00	30.9	32.4	33.4	33.9	35.9	37.4	38.9	39.9	41.9	43.4	44.9	47.4	48.4	51.9	55.9	60.9	65.9	70.9
575	690	870	1160	1750	9.25	9.25	1.00	30.5	32.0	33.0	33.5	35.5	37.0	38.5	39.5	41.5	43.0	44.5	47.0	48.0	51.5	55.5	60.5	65.5	70.5
575	690	870	1160	1750	9.75	9.75	1.00	29.7	31.2	32.2	32.7	34.7	36.2	37.7	38.7	40.7	42.2	43.7	46.2	47.2	50.7	54.7	59.7	64.7	69.7
575	690	870	1160	1750	10.30	10.30	1.00	28.8	30.3	31.3	31.8	33.8	35.3	36.8	37.8	39.8	41.3	42.8	45.3	46.3	49.8	53.8	58.8	63.8	68.8
575	690	870	1160	1750	10.90	10.90	1.00	27.9	29.4	30.4	30.9	32.9	34.4	35.9	36.9	38.9	40.4	41.9	44.4	45.4	48.9	52.9	57.9	62.9	67.9
575	690	870	1160	1750	11.30	11.30	1.00	27.3	28.8	29.8	30.3	32.3	33.8	35.3	36.3	38.3	39.8	41.3	43.8	44.8	48.3	52.3	57.3	62.3	67.3
575	690	870	1160	1750	11.80	11.80	1.00	26.5	28.0	29.0	29.5	31.5	33.0	34.5	35.5	37.5	39.0	40.5	43.0	44.0	47.5	51.5	56.5	61.5	66.5
575	690	870	1160	1750	12.50	12.50	1.00	25.4	26.9	27.9	28.4	30.4	31.9	33.4	34.4	36.4	37.9	39.4	41.9	42.9	46.4	50.4	55.4	60.4	65.4
575	690	870	1160	1750	13.20	13.20	1.00	24.3	25.8	26.8	27.3	29.3	30.8	32.3	33.3	35.3	36.8	38.3	40.8	41.8	45.3	49.3	54.3	59.3	64.3
575	690	870	1160	1750	14.00	14.00	1.00	23.0	24.5	25.5	26.0	28.0	29.5	31.0	32.0	34.0	35.5	37.0	39.5	40.5	44.0	48.0	53.0	58.0	63.0
575	690	870	1160	1750	15.00	15.00	1.00	21.4	22.9	23.9	24.4	26.4	27.9	29.4	30.4	32.4	33.9	35.4	37.9	38.9	42.4	46.4	51.4	56.4	61.4
575	690	870	1160	1750	16.00	16.00	1.00	19.9	21.4	22.4	22.9	24.9	26.4	27.9	28.9	30.9	32.4	33.9	36.4	37.4	40.9	44.9	49.9	54.9	59.9
558	670	845	1126	1699	9.00	9.25	1.03	30.7	32.2	33.2	33.7	35.7	37.2	38.7	39.7	41.7	43.2	44.7	47.2	48.2	51.7	55.7	60.7	65.7	70.7
553	663	837	1115	1683	10.90	11.30	1.04	27.6	29.1	30.1	30.6	32.6	34.1	35.6	36.6	38.6	40.1	41.6	44.1	45.1	48.6	52.6	57.6	62.6	67.6
553	663	837	1115	1683	11.30	11.80	1.04	26.9	28.4	29.4	29.9	31.9	33.4	34.9	35.9	37.9	39.4	40.9	43.4	44.4	47.9	51.9	56.9	61.9	66.9
548	657	829	1105	1667	*4.65	*4.90	1.05	37.5	39.0	40.0	40.5	42.5	44.0	45.5	46.5	48.5	50.0	51.5	54.0	55.0	58.5	62.5	67.5	72.5	77.5
548	657	829	1105	1667	9.25	9.75	1.05	30.1	31.6	32.6	33.1	35.1	36.6	38.1	39.1	41.1	42.6	44.1	46.6	47.6	51.1	55.1	60.1	65.1	70.1
542	651	821	1094	1651	*4.40	*4.65	1.06	37.9	39.4	40.4	40.9	42.9	44.4	45.9	46.9	48.9	50.4	51.9	54.4	55.4	58.9	62.9	67.9	72.9	77.9
542	651	821	1094	1651	*4.90	*5.20	1.06	37.1	38.6	39.6	40.1	42.1	43.6	45.1	46.1	48.1	49.6	51.1	53.6	54.6	58.1	62.1	67.1	72.1	77.1
542	651	821	1094	1651	*5.20	*5.50	1.06	36.6	38.1	39.1	39.6	41.6	43.1	44.6	45.6	47.6	49.1	50.6	53.1	54.1	57.6	61.6	66.6	71.6	76.6
542	651	821	1094	1651	*6.30	*6.70	1.06	34.8	36.3	37.3	37.8	39.8	41.3	42.8	43.8	45.8	47.3	48.8	51.3	52.3	55.8	59.8	64.8	69.8	74.8
542	651	821	1094	1651	*6.70	7.10	1.06	34.2	35.7	36.7	37.2	39.2	40.7	42.2	43.2	45.2	46.7	48.2	50.7	51.7	55.2	59.2	64.2	69.2	74.2
542	651	821	1094	1651	7.10	7.50	1.06	33.5	35.0	36.0	36.5	38.5	40.0	41.5	42.5	44.5	46.0	47.5	50.0	51.0	54.5	58.5	63.5	68.5	73.5
542	651	821	1094	1651	8.00	8.50	1.06	32.0	33.5	34.5	35.0	37.0	38.5	40.0	41.0	43.0	44.5	46.0	48.5	49.5	53.0	57.0	62.0	67.0	72.0
542	651	821	1094	1651	8.50	9.00	1.06	31.3	32.8	33.8	34.3	36.3	37.8	39.3	40.3	42.3	43.8	45.3	47.8	48.8	52.3	56.3	61.3	66.3	71.3
542	651	821	1094	1651	9.75	10.30	1.06	29.3	30.8	31.8	32.3	34.3	35.8	37.3	38.3	40.3	41.8	43.3	45.8	46.8	50.3	54.3	59.3	64.3	69.3
542	651	821	1094	1651	10.30	10.90	1.06	28.3	29.8	30.8	31.3	33.3	34.8	36.3	37.3	39.3	40.8	42.3	44.8	45.8	49.3	53.3	58.3	63.3	68.3
542	651	821	1094	1651	11.80	12.50	1.06	25.9	27.4	28.4	28.9	30.9	32.4	33.9	34.9	36.9	38.4	39.9	42.4	43.4	46.9	50.9	55.9	60.9	65.9
542	651	821	1094	1651	12.50	13.20	1.06	24.8	26.3	27.3	27.8	29.8	31.3	32.8	33.8	35.8	37.3	38.8	41.3	42.3	45.8	49.8	54.8	59.8	64.8
542	651	821	1094	1651	13.20	14.00	1.06	23.6	25.1	26.1	26.6	28.6	30.1	31.6	32.6	34.6	36.1	37.6	40.1	41.1	44.6	48.6	53.6	58.6	63.6
537	645	813	1084	1636	*5.50	*5.90	1.07	36.0	37.5	38.5	39.0	41.0	42.5	44.0	45.0	47.0	48.5	50.0	52.5	53.5	57.0	61.0	66.0	71.0	76.0
537	645	813	1084	1636	*5.90	*6.30	1.07	35.4	36.9	37.9	38.4	40.4	41.9	43.4	44.4	46.4	47.9	49.4	51.9	52.9	56.4	60.4	65.4	70.4	75.4
537	645	813	1084	1636	7.50	8.00	1.07	32.8	34.3	35.3	35.8	37.8	39.3	40.8	41.8	43.8	45.3	46.8	49.3	50.3	53.8	57.8	62.8	67.8	72.8
537	645	813	1084	1636	14.00	15.00	1.07	22.2	23.7	24.7	25.2	27.2	28.7	30.2	31.2	33.2	34.7	36.2	38.7	39.7	43.2	47.2	52.2	57.2	62.2
537	645	813	1084	1636	15.00	16.00	1.07	20.6	22.1	23.1	23.6	25.6	27.1	28.6	29.6	31.6	33.1	34.6	37.1	38.1	41.6	45.6	50.7	55.7	60.7
532	639	806	1074	1620	9.00	9.75	1.08	30.3	31.8	32.8	33.3	35.3	36.8	38.3	39.3	41.3	42.8	44.3	46.8	47.8	51.3	55.3	60.3	65.3	70.3
532	639	806	1074	1620	10.90	11.80	1.08	27.2	28.7	29.7	30.2	32.2	33.7	35.2	36.2	38.2	39.7	41.2	43.7	44.7	48.2	52.2	57.2	62.2	67.2
528	633	798	1064	1606	8.50	9.25	1.09	31.1	32.6	33.6	34.1	36.1	37.6	39.1	40.1	42.1	43.6	45.1	47.6	48.6	52.1	56.1	61.1	66.1	71.1
523	627	791	1055	1591	10.30	11.30	1.10	28.0	29.5	30.5	31.0	33.0	34.5	36.0	37.0	39.0	40.5	42.0	44.5	45.5	49.0	53.0	58.0	63.0	68.0
518	622	784	1045	1577	9.25	10.30	1.11	29.6	31.1	32.1	32.6	34.6	36.1	37.6	38.6	40.6	42.1	43.6	46.1	47.1	50.6	54.6	59.6	64.6	69.6
518	622	784	1045	1577	11.30	12.50	1.11	26.3	27.8	28.8	29.3	31.3	32.8	34.3	35.3	37.3	38.8	40.3	42.8	43.8	47.3	51.3	56.3	61.3	66.3
513	616	777	1036	1563	*4.40	*4.90	1.12	37.7	39.2	40.2	40.7	42.7	44.2	45.7	46.7	48.7	50.2	51.7	54.2	55.2	58.7	62.7	67.7	72.7	77.7
513	616	777	1036	1563	*4.65	*5.20	1.12	37.3	38.8	39.8	40.3	42.3	43.8	45.3	46.3	48.3	49.8	51.3	53.8	54.8	58.3	62.3	67.3	72.3	77.3
513	616	777	1036	1563	*6.70	7.50	1.12	33.8	35.3	36.3	36.8	38.8	40.3	41.8	42.8	44.8	46.3	47.8	50.3	51.3	54.8	58.8	63.8	68.8	73.8
513	616	777	1036	1563	9.75	10.90	1.12	28.8	30.3	31.3	31.8	33.8	35.3	36.8	37.8	39.8	41.3	42.8	45.3	46.3	49.8	53.8	58.8	63.8	68.8
513	616	777	1036	1563	11.80	13.20	1.12	25.4	26.9	27.9	28.4	30.4	31.9	33.4	34.4	36.4	37.9	39.4	41.9	42.9	46.4	50.4	55.4	60.4	65.4
513	616	777	1036	1563	12.50	14.00	1.12	24.2	25.7	26.7	27.2	29.2	30.7	32.2	33.2	35.2	36.7	38.2	40.7	41.7	45.2	49.2	54.2	59.2	64.2
509	611	770	1027	1549	*4.90	*5.50	1.13	36.8	38.3	39.3	39.8	41.8	43.3	44.8	45.8	47.8	49.3	50.8	53.3	54.3	57.8	61.8	66.8	71.8	76.8
509	611	770	1027	1549	*6.30	7.10	1.13	34.5	36.0	37.0	37.5	39.5	41.0	42.5	43.5	45.5	47.0	48.5	51.0	52.0	55.5	59.5	64.5	69.5	74.5
509	611	770	1027	1549	7.10	8.00	1.13	33.1	34.6	35.6	36.1	38.1	39.6	41.1	42.1	44.1	45.6	47.1	49.6	50.6	54.1	58.1	63.1	68.1	73.1
509	611	770	1027	1549	8.00	9.00	1.13	31.6	33.1	34.1	34.6	36.6	38.1	39.6	40.6	42.6	44.1	45.6	48.1	49.1	52.6	56.6	61.6	66.6	71.6

Key to correction factors: 0.9 | 1.0 | 1.1

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

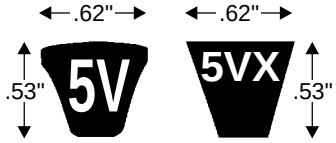


V-Belt No. and Center Distance														Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																Super HC					Super HC Molded Notch				
																RPM of Small Sheave					RPM of Small Sheave				
5V 5VX 1800	5V 5VX 1900	5V 5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
83.1	88.1	93.1												*4.40	*4.40						3.27	3.82	4.64	5.90	8.43
82.7	87.7	92.7												*4.65	*4.65						3.69	4.32	5.26	6.71	9.40
82.3	87.3	92.3												*4.90	*4.90						4.11	4.81	5.88	7.51	10.6
81.8	86.8	91.8												*5.20	*5.20						4.61	5.41	6.61	8.46	11.9
81.4	86.4	91.4												*5.50	*5.50						5.11	6.00	7.35	9.42	13.3
80.7	85.7	90.7												*5.90	*5.90						5.77	6.78	8.32	10.7	15.1
80.1	85.1	90.1												*6.30	*6.30						6.43	7.57	9.28	11.9	16.9
79.5	84.5	89.5												*6.70	*6.70						7.09	8.34	10.2	13.2	18.7
78.8	83.8	88.8	94.8	100.8	106.8	113.8	121.3	128.8	138.8	146.3	156.3	166.3		7.10	7.10	6.35	7.42	9.02	11.4	15.6	7.74	9.12	11.2	14.4	20.4
78.2	83.2	88.2	94.2	100.2	106.2	113.2	120.7	128.2	138.2	145.7	155.7	165.7		7.50	7.50	6.99	8.18	9.95	12.6	17.2	8.40	9.88	12.1	15.6	22.1
77.4	82.4	87.4	93.4	99.4	105.4	112.4	119.9	127.4	137.4	144.9	154.9	164.9		8.00	8.00	7.79	9.12	11.1	14.1	19.2	9.21	10.8	13.3	17.1	24.3
76.6	81.6	86.6	92.6	98.6	104.6	111.6	119.1	126.6	136.6	144.1	154.1	164.1		8.50	8.50	8.58	10.1	12.2	15.5	21.2	10.0	11.8	14.5	18.7	26.4
75.9	80.9	85.9	91.9	97.9	103.9	110.9	118.4	125.9	135.9	143.4	153.4	163.4		9.00	9.00	9.37	11.0	13.4	17.0	23.0	10.8	12.7	15.7	20.1	28.4
75.5	80.5	85.5	91.5	97.5	103.5	110.5	118.0	125.5	135.5	143.0	153.0	163.0		9.25	9.25	9.76	11.4	13.9	17.7	24.0	11.2	13.2	16.2	20.9	29.4
74.7	79.7	84.7	90.7	96.7	102.7	109.7	117.2	124.7	134.7	142.2	152.2	162.2		9.75	9.75	10.5	12.4	15.1	19.1	25.8	12.0	14.1	17.4	22.4	31.4
73.8	78.8	83.8	89.8	95.8	101.8	108.8	116.3	123.8	133.8	141.3	151.3	161.3		10.30	10.30	11.4	13.4	16.3	20.6	27.7	12.9	15.2	18.6	24.0	33.6
72.9	77.9	82.9	88.9	94.9	100.9	107.9	115.4	122.9	132.9	140.4	150.4	160.4		10.90	10.90	12.3	14.4	17.6	22.2	29.7	13.8	16.3	20.0	25.7	35.9
72.3	77.3	82.3	88.3	94.3	100.3	107.3	114.8	122.3	132.3	139.8	149.8	159.8		11.30	11.30	12.9	15.2	18.5	23.3	31.0	14.4	17.0	20.9	26.8	37.4
71.5	76.5	81.5	87.5	93.5	99.5	106.5	114.0	121.5	131.5	139.0	149.0	159.0		11.80	11.80	13.7	16.1	19.5	24.6	32.6	15.2	17.9	22.0	28.2	39.3
70.4	75.4	80.4	86.4	92.4	98.4	105.4	112.9	120.4	130.4	137.9	147.9	157.9		12.50	12.50	14.8	17.3	21.0	26.4	34.7	16.3	19.2	23.6	30.2	41.8
69.3	74.3	79.3	85.3	91.3	97.3	104.3	111.8	119.3	129.3	136.8	146.8	156.8		13.20	13.20	15.8	18.5	22.5	28.2	36.7	17.4	20.5	25.1	32.1	44.2
68.0	73.0	78.0	84.0	90.0	96.0	103.0	110.5	118.0	128.0	135.5	145.5	155.5		14.00	14.00	17.0	19.9	24.1	30.2	38.8	18.6	21.9	26.9	34.3	46.9
66.4	71.4	76.4	82.4	88.4	94.4	101.4	108.9	116.4	126.4	133.9	143.9	153.9		15.00	15.00	18.5	21.6	26.2	32.5	†41.1	20.1	23.7	29.0	36.9	†50.1
64.9	69.9	74.9	80.9	86.9	92.9	99.9	107.4	114.9	124.9	132.4	142.4	152.4		16.00	16.00	19.9	23.3	28.1	34.8	†	21.6	25.4	31.1	39.5	†
75.7	80.7	85.7	91.7	97.7	103.7	110.7	118.2	125.7	135.7	143.2	153.2	163.2		9.00	9.25	9.43	11.0	13.5	17.1	23.2	10.9	12.8	15.8	20.3	28.7
72.6	77.6	82.6	88.6	94.6	100.6	107.6	115.1	122.6	132.6	140.1	150.1	160.1		10.90	11.30	12.4	14.5	17.7	22.3	29.9	13.9	16.4	20.1	25.9	36.2
71.9	76.9	81.9	87.9	93.9	99.9	106.9	114.4	121.9	131.9	139.4	149.4	159.4		11.30	11.80	13.0	15.2	18.5	23.4	31.2	14.5	17.1	21.0	27.0	37.7
82.5	87.5	92.5												*4.65	*4.90						3.78	4.43	5.40	6.89	9.68
75.1	80.1	85.1	91.1	97.1	103.1	110.1	117.6	125.1	135.1	142.6	152.6	162.6		9.25	9.75	9.92	11.6	14.2	18.0	24.4	11.3	13.3	16.4	21.1	29.7
82.9	87.9	92.9												*4.40	*4.65						3.41	3.98	4.85	6.18	8.65
82.1	87.1	92.1												*4.90	*5.20						4.25	4.98	6.09	7.79	11.0
81.6	86.6	91.6												*5.20	*5.50						4.75	5.57	6.82	8.74	12.4
79.8	84.8	89.8												*6.30	*6.70						6.57	7.73	9.49	12.2	17.3
79.2	84.2	89.2												*6.70	7.10						7.23	8.51	10.5	13.4	19.1
78.5	83.5	88.5	94.5	100.5	106.5	113.5	121.0	128.5	138.5	146.0	156.0	166.0		7.10	7.50	6.50	7.60	9.25	11.7	16.1	7.88	9.28	11.4	14.7	20.8
77.0	82.0	87.0	93.0	99.0	105.0	112.0	119.5	127.0	137.0	144.5	154.5	164.5		8.00	8.50	7.94	9.30	11.3	14.4	19.7	9.34	11.0	13.5	17.4	24.7
76.3	81.3	86.3	92.3	98.3	104.3	111.3	118.8	126.3	136.3	143.8	153.8	163.8		8.50	9.00	8.73	10.2	12.5	15.8	21.6	10.1	12.0	14.7	18.9	26.8
74.3	79.3	84.3	90.3	96.3	102.3	109.3	116.8	124.3	134.3	141.8	151.8	161.8		9.75	10.30	10.7	12.5	15.3	19.4	26.2	12.1	14.3	17.6	22.6	31.9
73.3	78.3	83.3	89.3	95.3	101.3	108.3	115.8	123.3	133.3	140.8	150.8	160.8		10.30	10.90	11.6	13.5	16.5	20.9	28.2	13.0	15.3	18.9	24.2	34.0
70.9	75.9	80.9	86.9	92.9	98.9	105.9	113.4	120.9	130.9	138.4	148.4	158.4		11.80	12.50	13.9	16.2	19.8	24.9	33.1	15.4	18.1	22.2	28.5	39.7
69.8	74.8	79.8	85.8	91.8	97.8	104.8	112.3	119.8	129.8	137.3	147.3	157.3		12.50	13.20	14.9	17.5	21.3	26.7	35.2	16.5	19.4	23.8	30.5	42.2
68.6	73.6	78.6	84.6	90.6	96.6	103.6	111.1	118.6	128.6	136.1	146.1	156.1		13.20	14.00	16.0	18.7	22.7	28.5	37.1	17.5	20.6	25.3	32.4	44.6
81.0	86.0	91.0												*5.50	*5.90						5.25	6.17	7.55	9.69	13.7
80.4	85.4	90.4												*5.90	*6.30						5.91	6.95	8.53	11.0	15.5
77.8	82.8	87.8	93.8	99.8	105.8	112.8	120.3	127.8	137.8	145.3	155.3	165.3		7.50	8.00	7.14	8.36	10.2	12.9	17.7	8.53	10.1	12.4	15.9	22.6
67.2	72.2	77.2	83.2	89.2	95.2	102.2	109.7	117.2	127.2	134.7	144.7	154.7		14.00	15.00	17.2	20.1	24.4	30.5	39.2	18.8	22.1	27.1	34.6	47.3
65.7	70.7	75.7	81.7	87.7	93.7	100.7	108.2	115.7	125.7	133.2	143.2	153.2		15.00	16.00	18.6	21.8	26.4	32.9	†41.6	20.3	23.9	29.2	37.2	†50.5
75.3	80.3	85.3	91.3	97.3	103.3	110.3	117.8	125.3	135.3	142.8	152.8	162.8		9.00	9.75	9.52	11.2	13.6	17.3	23.5	10.9	12.9	15.9	20.4	28.8
72.2	77.2	82.2	88.2	94.2	100.2	107.2	114.7	122.2	132.2	139.7	149.7	159.7		10.90	11.80	12.5	14.6	17.8	22.5	30.2	14.0	16.4	20.2	26.0	36.3
76.1	81.1	86.1	92.1	98.1	104.1	111.1	118.6	126.1	136.1	143.6	153.6	163.6		8.50	9.25	8.73	10.2	12.5	15.8	21.6	10.2	12.0	14.8	19.0	26.9
73.0	78.0	83.0	89.0	95.0	101.0	108.0	115.5	123.0	133.0	140.5	150.5	160.5		10.30	11.30	11.6	13.5	16.5	20.9	28.2	13.1	15.4	18.9	24.3	34.2
74.6	79.6	84.6	90.6	96.6	102.6	109.6	117.1	124.6	134.6	142.1	152.1	162.1		9.25	10.30	10.0	11.8	14.3	18.2	24.8	11.4	13.4	16.5	21.3	30.0
71.3	76.3	81.3	87.3	93.3	99.3	106.3	113.8	121.3	131.3	138.8	148.8	158.8		11.30	12.50	13.2	15.5	18.9	23.8	31.8	14.6	17.2	21.2	27.2	38.0
82.7	87.7	92.7												*4.40	*4.90						3.45	4.04	4.92	6.27	8.79
82.3	87.3	92.3												*4.65	*5.20						3.87	4.54	5.54	7.08	9.96
78.8	83.8	88.8												*6.70	7.50						7.28	8.56	10.5	13.5	19.2
73.8	78.8	83.8	89.8	95.8	101.8	108.8	116.3	123.8	133.8	141.3	151.3	161.3		9.75	10.90	10.8	12.7	15.5	19.6	26.6	12.2	14.4	17.7	22.7	32.0
70.4	75.4	80.4	86.4	92.4	98.4	105.4	112.9	120.4	130.4	137.9	147.9	157.9		11.80	13.20	14.0	16.4	19.9	25.1	33.4	15.4	18.2	22.3	28.6	39.8
69.2	74.2	79.2	85.2	91.2	97.2	104.2	111.7	119.2	129.2	136.7	146.7	156.7		12.50	14.00	15.0	17.6	21.4	27.0	35.5	16.5	19.4	23.9	30.6	42.3
81.8	86.8	91.8												*4.90	*5.50						4.34	5.09	6.23	7.97	11.3
79.5	84.5	89.5												*6.30	7.10						6.66	7.84	9.63	12.4	17.6
78.1	83.1	88.1	94.1	100.1	106.1	113.1	120.6	128.1	138.1	145.6	155.6	165.6		7.10	8.00	6.61	7.73	9.42	11.9	16.4	7.97	9.39	11.5	14.9	21.1
76.6	81.6	86.6	92.6	98.6	104.6	111.6	119.1	126.6	136.6	144.1	154.1	164.1		8.00	9.00	8.05	9.43	11.5	14.6	20.0	9.44	11.1	13.7	17.6	25.0

Key to correction factors: 1.0 1.1 1.2

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



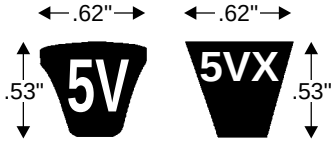
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																		
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5VX 450	5VX 470	5VX 490	5V 5VX 500	5VX 510	5V 5VX 530	5VX 540	5VX 550	5V 5VX 560	5VX 570	5VX 580	5VX 590	5V 5VX 600	5VX 610	5V 5VX 630	5VX 650	5VX 660	5V 5VX 670
504	605	763	1018	1535	*5.20	*5.90	1.14	13.8	14.8	15.8	16.3	16.8	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.8	23.8	24.3	24.8
504	605	763	1018	1535	*5.90	*6.70	1.14	12.6	13.6	14.6	15.1	15.6	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.6	22.6	23.1	23.6
504	605	763	1018	1535	7.50	8.50	1.14	9.9	10.9	11.9	12.4	12.9	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.9	19.9	20.4	20.9
504	605	763	1018	1535	13.20	15.00	1.14																			
504	605	763	1018	1535	14.00	16.00	1.14																			
500	600	757	1009	1522	*5.50	*6.30	1.15	13.2	14.2	15.2	15.7	16.2	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	22.2	23.2	23.7	24.2
500	600	757	1009	1522	8.50	9.75	1.15			10.1	10.6	11.1	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	17.2	18.2	18.7	19.2
500	600	757	1009	1522	9.00	10.30	1.15						11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	16.3	17.3	17.8	18.3
500	600	757	1009	1522	10.30	11.80	1.15												12.1	12.6	13.1	14.1	15.1	15.6	16.1
500	600	757	1009	1522	10.90	12.50	1.15															13.1	14.1	14.6	15.1
496	595	750	1000	1509	8.00	9.25	1.16		9.9	10.9	11.4	11.9	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.9	18.9	19.4	19.9
496	595	750	1000	1509	9.75	11.30	1.16										11.9	12.4	12.9	13.4	13.9	14.9	15.9	16.4	16.9
491	590	744	991	1496	11.30	13.20	1.17																	13.7	14.2
491	590	744	991	1496	16.00	18.70	1.17																		
487	585	737	983	1483	9.25	10.90	1.18							11.1	11.6	12.1	12.6	13.1	13.6	14.2	14.7	15.7	16.7	17.2	17.7
483	580	731	975	1471	*4.40	*5.20	1.19	15.0	16.0	17.0	17.5	18.0	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	24.0	25.0	25.5	26.0
483	580	731	975	1471	*4.65	*5.50	1.19	14.5	15.5	16.5	17.0	17.5	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.5	24.5	25.0	25.5
483	580	731	975	1471	*6.30	7.50	1.19	11.6	12.6	13.6	14.1	14.6	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.7	21.7	22.2	22.7
483	580	731	975	1471	11.80	14.00	1.19																		
479	575	725	967	1458	*6.70	8.00	1.20	10.9	11.9	12.9	13.4	13.9	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.9	20.9	21.4	21.9
479	575	725	967	1458	7.10	8.50	1.20	10.2	11.2	12.2	12.7	13.2	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	19.2	20.2	20.7	21.2
479	575	725	967	1458	7.50	9.00	1.20	9.5	10.5	11.5	12.0	12.5	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.5	19.5	20.0	20.5
479	575	725	967	1458	12.50	15.00	1.20																		
475	570	719	959	1446	*4.90	*5.90	1.21	14.0	15.0	16.0	16.5	17.0	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	23.0	24.0	24.5	25.0
475	570	719	959	1446	*5.90	7.10	1.21	12.3	13.3	14.3	14.8	15.3	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	21.3	22.3	22.8	23.3
475	570	719	959	1446	8.50	10.30	1.21					10.7	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.7	17.7	18.2	18.7
475	570	719	959	1446	9.00	10.90	1.21							11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.8	16.8	17.3	17.8
475	570	719	959	1446	9.75	11.80	1.21											12.0	12.5	13.0	13.5	14.5	15.5	16.0	16.5
475	570	719	959	1446	10.90	13.20	1.21																13.5	14.0	14.5
475	570	719	959	1446	13.20	16.00	1.21																		
471	566	713	951	1434	*5.20	*6.30	1.22	13.5	14.5	15.5	16.0	16.5	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.5	23.5	24.0	24.5
471	566	713	951	1434	*5.50	*6.70	1.22	12.9	13.9	14.9	15.4	15.9	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.9	22.9	23.4	23.9
471	566	713	951	1434	8.00	9.75	1.22			10.5	11.0	11.5	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.5	18.5	19.0	19.5
471	566	713	951	1434	9.25	11.30	1.22								11.3	11.8	12.3	12.8	13.3	13.8	14.3	15.3	16.3	16.8	17.3
471	566	713	951	1434	10.30	12.50	1.22														12.5	13.5	14.6	15.1	15.6
464	556	702	935	1411	7.50	9.25	1.24		10.3	11.3	11.8	12.3	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	18.3	19.3	19.8	20.3
464	556	702	935	1411	11.30	14.00	1.24																		
460	552	696	928	1400	15.00	18.70	1.25																		
456	548	690	921	1389	*4.40	*5.50	1.26	14.7	15.7	16.7	17.2	17.7	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.7	24.7	25.2	25.7
456	548	690	921	1389	9.00	11.30	1.26								11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.5	16.5	17.0	17.5
453	543	685	913	1378	*4.65	*5.90	1.27	14.2	15.2	16.2	16.7	17.2	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	23.2	24.2	24.7	25.2
453	543	685	913	1378	*6.30	8.00	1.27	11.2	12.2	13.2	13.7	14.2	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.3	20.3	21.3	21.8	22.3
453	543	685	913	1378	*6.70	8.50	1.27	10.5	11.5	12.5	13.0	13.5	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.5	20.5	21.0	21.5
453	543	685	913	1378	7.10	9.00	1.27	9.8	10.8	11.8	12.3	12.8	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.8	19.8	20.3	20.8
453	543	685	913	1378	11.80	15.00	1.27																		
449	539	680	906	1367	*5.90	7.50	1.28	11.9	13.0	14.0	14.5	15.0	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	21.0	22.0	22.5	23.0
449	539	680	906	1367	9.25	11.80	1.28										11.9	12.4	12.9	13.4	13.9	14.9	15.9	16.4	16.9
449	539	680	906	1367	9.75	12.50	1.28													12.4	13.0	14.0	15.0	15.5	16.0
449	539	680	906	1367	10.30	13.20	1.28															13.0	14.0	14.5	15.0
449	539	680	906	1367	12.50	16.00	1.28																		
446	535	674	899	1357	*4.90	*6.30	1.29	13.7	14.7	15.7	16.2	16.7	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.7	23.7	24.2	24.7
446	535	674	899	1357	*5.20	*6.70	1.29	13.1	14.1	15.1	15.6	16.1	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	22.1	23.1	23.6	24.1
446	535	674	899	1357	8.00	10.30	1.29				10.6	11.1	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	17.1	18.1	18.6	19.1
446	535	674	899	1357	8.50	10.90	1.29						11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	16.2	17.2	17.7	18.2
446	535	674	899	1357	10.90	14.00	1.29																		13.9
442	531	669	892	1346	*5.50	7.10	1.30	12.6	13.6	14.6	15.1	15.6	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.6	22.6	23.1	23.6
442	531	669	892	1346	7.50	9.75	1.30		9.9	10.9	11.4	11.9	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.9	18.9	19.4	19.9
439	527	664	885	1336	7.10	9.25	1.31	9.6	10.6	11.6	12.1	12.6	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.6	19.6	20.1	20.6
439	527	664	885	1336	9.00	11.80	1.31									11.6	12.1	12.6	13.1	13.6	14.1	15.1	16.1	16.6	17.1
432	519	654	872	1316	8.50	11.30	1.33						10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.9	16.9	17.4	17.9
432	519	654	872	1316	11.30	15.00	1.33																		
432	519	654	872	1316	16.00	21.20	1.33																		
429	515	649	866	1306	14.00	18.70	1.34																		

Key to correction factors: 0.8 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

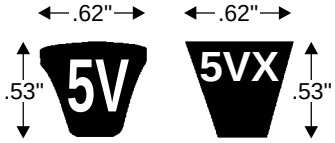


V-Belt No. and Center Distance															Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																	Super HC					Super HC Molded Notch				
																	RPM of Small Sheave					RPM of Small Sheave				
5VX 680	5VX 690	5V 5VX 710	5VX 730	5VX 740	5V 5VX 750	5VX 780	5V 5VX 800	5VX 810	5VX 830	5VX 840	5V 5VX 850	5VX 860	5VX 880		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
25.3	25.8	26.8	27.8	28.3	28.8	30.3	31.3	31.8	32.8	33.3	33.8	34.3	35.3		*5.20	*5.90						4.84	5.68	6.96	8.93	11.9
24.1	24.6	25.6	26.6	27.1	27.6	29.1	30.1	30.6	31.6	32.1	32.6	33.1	34.1		*5.90	*6.70						6.00	7.06	8.67	11.1	15.0
21.4	21.9	22.9	23.9	24.4	24.9	26.4	27.4	27.9	28.9	29.4	29.9	30.4	31.4		7.50	8.50	7.25	8.49	10.3	13.1	18.0	8.63	10.2	12.5	16.1	22.8
					15.3	16.8	17.8	18.3	19.3	19.8	20.3	20.8	21.8		13.20	15.00	16.1	18.8	22.9	28.7	37.5	17.6	20.8	25.5	32.6	44.9
							16.4	16.9	17.9	18.4	18.9	19.4	20.4		14.00	16.00	17.3	20.2	24.5	30.7	39.6	18.8	22.2	27.2	34.7	47.6
24.7	25.2	26.2	27.2	27.7	28.2	29.7	30.7	31.2	32.2	32.7	33.2	33.7	34.7		*5.50	*6.30						5.34	6.28	7.69	9.88	14.0
19.7	20.2	21.2	22.2	22.7	23.2	24.7	25.7	26.2	27.2	27.7	28.2	28.7	29.7		8.50	9.75	8.85	10.4	12.6	16.1	22.0	10.2	12.1	14.8	19.1	27.1
18.8	19.3	20.3	21.3	21.8	22.3	23.8	24.8	25.3	26.3	26.8	27.3	27.8	28.8		9.00	10.30	9.63	11.3	13.8	17.5	23.8	11.0	13.0	16.0	20.6	29.1
16.6	17.1	18.1	19.1	19.6	20.1	21.6	22.6	23.1	24.1	24.6	25.1	25.6	26.6		10.30	11.80	11.7	13.7	16.7	21.1	28.5	13.1	15.4	19.0	24.4	34.3
15.6	16.1	17.1	18.1	18.6	19.1	20.6	21.6	22.1	23.1	23.6	24.1	24.6	25.6		10.90	12.50	12.6	14.8	18.0	22.8	30.5	14.1	16.6	20.4	26.2	36.6
20.4	20.9	21.9	22.9	23.4	23.9	25.4	26.4	26.9	27.9	28.4	28.9	29.4	30.4		8.00	9.25	8.05	9.43	11.5	14.6	20.0	9.44	11.1	13.7	17.6	25.0
17.5	18.0	19.0	20.0	20.5	21.0	22.5	23.5	24.0	25.0	25.5	26.0	26.5	27.5		9.75	11.30	10.8	12.7	15.5	19.6	26.6	12.2	14.4	17.7	22.8	32.1
14.7	15.2	16.2	17.2	17.7	18.2	19.7	20.7	21.2	22.2	22.7	23.2	23.7	24.7		11.30	13.20	13.2	15.5	18.9	23.8	31.8	14.7	17.3	21.3	27.3	38.1
															16.00	18.70	20.2	23.6	28.5	35.4	†	21.9	25.7	31.5	40.0	†
18.2	18.7	19.7	20.7	21.2	21.7	23.2	24.2	24.7	25.7	26.2	26.7	27.2	28.2		9.25	10.90	10.1	11.9	14.5	18.4	25.1	11.5	13.5	16.7	21.4	30.3
26.5	27.0	28.0	29.0	29.5	30.0	31.5	32.5	33.0	34.0	34.5	35.0	35.5	36.5		*4.40	*5.20						3.54	4.15	5.06	6.46	9.07
26.0	26.5	27.5	28.5	29.0	29.5	31.0	32.0	32.5	33.5	34.0	34.5	35.0	36.0		*4.65	*5.50						3.97	4.65	5.68	7.26	10.2
23.2	23.7	24.7	25.7	26.2	26.7	28.2	29.2	29.7	30.7	31.2	31.7	32.2	33.2		*6.30	7.50						6.71	7.90	9.70	12.5	17.7
	14.2	15.2	16.2	16.7	17.2	18.7	19.7	20.2	21.2	21.7	22.2	22.7	23.7		11.80	14.00	14.1	16.5	20.1	25.3	33.7	15.5	18.3	22.4	28.8	40.1
22.4	22.9	23.9	24.9	25.4	25.9	27.4	28.4	28.9	29.9	30.4	30.9	31.4	32.4		*6.70	8.00						7.37	8.67	10.7	13.7	19.5
21.7	22.2	23.2	24.2	24.7	25.2	26.7	27.7	28.2	29.2	29.7	30.2	30.7	31.7		7.10	8.50	6.71	7.85	9.56	12.1	16.7	8.02	9.45	11.6	15.0	21.2
21.0	21.5	22.5	23.5	24.0	24.5	26.0	27.0	27.5	28.5	29.0	29.5	30.0	31.0		7.50	9.00	7.35	8.61	10.5	13.3	18.3	8.67	10.2	12.6	16.2	23.0
			14.8	15.4	15.9	17.4	18.4	18.9	19.9	20.4	20.9	21.4	22.4		12.50	15.00	15.1	17.7	21.6	27.2	35.8	16.6	19.5	24.0	30.8	42.6
25.5	26.0	27.0	28.0	28.5	29.0	30.5	31.5	32.0	33.0	33.5	34.0	34.5	35.5		*4.90	*5.90						4.39	5.14	6.30	8.06	11.4
23.8	24.3	25.3	26.3	26.8	27.3	28.8	29.8	30.3	31.3	31.8	32.3	32.8	33.8		*5.90	7.10						6.05	7.12	8.74	11.2	15.9
19.2	19.7	20.7	21.7	22.2	22.7	24.2	25.2	25.7	26.7	27.2	27.7	28.2	29.2		8.50	10.30	8.94	10.5	12.8	16.2	22.2	10.3	12.1	14.9	19.2	27.2
18.3	18.8	19.8	20.8	21.3	21.8	23.4	24.4	24.9	25.9	26.4	26.9	27.4	28.4		9.00	10.90	9.73	11.4	13.9	17.7	24.1	11.1	13.1	16.1	20.7	29.3
17.0	17.5	18.5	19.5	20.0	20.5	22.1	23.1	23.6	24.6	25.1	25.6	26.1	27.1		9.75	11.80	10.9	12.8	15.6	19.8	26.9	12.3	14.5	17.8	22.9	32.3
15.0	15.5	16.5	17.5	18.0	18.5	20.0	21.0	21.5	22.5	23.0	23.5	24.0	25.0		10.90	13.20	12.7	14.9	18.1	22.9	30.8	14.1	16.6	20.4	26.2	36.7
						16.0	17.0	17.5	18.5	19.0	19.5	20.0	21.0		13.20	16.00	16.2	18.9	23.0	28.9	37.8	17.7	20.8	25.5	32.7	45.1
25.0	25.5	26.5	27.5	28.0	28.5	30.0	31.0	31.5	32.5	33.0	33.5	34.0	35.0		*5.20	*6.30						4.89	5.74	7.03	9.02	12.8
24.4	24.9	25.9	26.9	27.4	27.9	29.4	30.4	30.9	31.9	32.4	32.9	33.4	34.4		*5.50	*6.70						5.39	6.33	7.76	9.97	14.1
20.0	20.5	21.5	22.5	23.0	23.5	25.0	26.0	26.5	27.5	28.0	28.5	29.0	30.0		8.00	9.75	8.15	9.55	11.6	14.8	20.3	9.48	11.2	13.7	17.7	25.1
17.8	18.3	19.3	20.3	20.8	21.3	22.8	23.8	24.3	25.3	25.8	26.3	26.8	27.8		9.25	11.30	10.1	11.9	14.5	18.4	25.1	11.5	13.5	16.7	21.4	30.3
16.1	16.6	17.6	18.6	19.1	19.6	21.1	22.1	22.6	23.6	24.1	24.6	25.1	26.1		10.30	12.50	11.8	13.8	16.8	21.3	28.8	13.2	15.5	19.1	24.5	34.4
20.8	21.3	22.3	23.3	23.8	24.3	25.8	26.8	27.3	28.3	28.8	29.3	29.8	30.8		7.50	9.25	7.35	8.61	10.5	13.3	18.3	8.67	10.2	12.6	16.2	23.0
14.1	14.6	15.6	16.6	17.1	17.6	19.1	20.1	20.6	21.6	22.1	22.6	23.1	24.1		11.30	14.00	13.3	15.6	19.0	24.0	32.1	14.7	17.4	21.3	27.4	38.3
															15.00	18.70	18.8	22.0	26.7	33.3	†42.2	20.5	24.1	29.5	37.6	†51.0
26.2	26.7	27.7	28.7	29.2	29.7	31.2	32.2	32.7	33.7	34.2	34.7	35.2	36.2		*4.40	*5.50						3.59	4.20	5.13	6.55	9.21
18.0	18.5	19.5	20.5	21.0	21.5	23.0	24.0	24.5	25.5	26.0	26.5	27.0	28.0		9.00	11.30	9.81	11.5	14.0	17.8	24.4	11.1	13.1	16.1	20.8	29.4
25.7	26.2	27.2	28.2	28.7	29.2	30.7	31.7	32.2	33.2	33.7	34.2	34.7	35.7		*4.65	*5.90						4.01	4.70	5.75	7.36	10.4
22.8	23.3	24.3	25.3	25.8	26.3	27.8	28.8	29.3	30.3	30.8	31.3	31.8	32.8		*6.30	8.00						6.76	7.95	9.77	12.6	17.9
22.0	22.5	23.5	24.5	25.0	25.5	27.0	28.0	28.5	29.5	30.0	30.5	31.0	32.0		*6.70	8.50						7.41	8.73	10.7	13.8	19.6
21.3	21.8	22.8	23.8	24.3	24.8	26.3	27.3	27.8	28.8	29.3	29.8	30.3	31.3		7.10	9.00	6.78	7.94	9.68	12.3	16.9	8.07	9.50	11.7	15.1	21.4
		14.4	15.4	15.9	16.4	17.9	18.9	19.4	20.4	20.9	21.4	21.9	22.9		11.80	15.00	14.1	16.6	20.2	25.5	33.9	15.5	18.3	22.5	28.9	40.2
23.5	24.0	25.0	26.0	26.5	27.0	28.5	29.5	30.0	31.0	31.5	32.0	32.5	33.5		*5.90	7.50						6.10	7.17	8.80	11.3	16.1
17.4	17.9	18.9	19.9	20.4	20.9	22.4	23.4	23.9	24.9	25.4	25.9	26.4	27.4		9.25	11.80	10.2	12.0	14.6	18.5	25.3	11.5	13.6	16.7	21.5	30.4
16.5	17.0	18.0	19.0	19.5	20.0	21.5	22.5	23.0	24.0	24.5	25.0	25.5	26.5		9.75	12.50	11.0	12.9	15.7	19.9	27.1	12.3	14.5	17.9	23.0	32.4
15.5	16.0	17.0	18.0	18.5	19.0	20.5	21.5	22.0	23.0	23.5	24.0	24.5	25.5		10.30	13.20	11.8	13.9	16.9	21.5	29.0	13.2	15.6	19.1	24.6	34.6
						16.5	17.5	18.0	19.0	19.5	20.0	20.5	21.5		12.50	16.00	15.2	17.8	21.7	27.3	36.0	16.6	19.6	24.1	30.8	42.8
25.2	25.7	26.7	27.7	28.2	28.7	30.2	31.2	31.7	32.7	33.2	33.7	34.2	35.2		*4.90	*6.30						4.43	5.20	6.36	8.16	11.5
24.6	25.1	26.1	27.1	27.6	28.1	29.6	30.6	31.1	32.1	32.6	33.1	33.6	34.6		*5.20	*6.70						4.93	5.79	7.10	9.11	12.9
19.6	20.1	21.1	22.1	22.6	23.1	24.6	25.6	26.1	27.1	27.6	28.1	28.6	29.6		8.00	10.30	8.22	9.64	11.8	14.9	20.5	9.53	11.2	13.8	17.8	25.2
18.7	19.2	20.2	21.2	21.7	22.2	23.7	24.7	25.2	26.2	26.7	27.2	27.7	28.7		8.50	10.90	9.02	10.6	12.9	16.4	22.5	10.3	12.2	15.0	19.3	27.3
14.4	14.9	15.9	16.9	17.4	17.9	19.4	20.4	20.9	21.9	22.4	22.9	23.4	24.4		10.90	14.00	12.8	15.0	18.2	23.1	31.0	14.1	16.7	20.5	26.3	36.9
24.1	24.6	25.6	26.6	27.1	27.6	29.1	30.1	30.6	31.6	32.1	32.6	33.1	34.1		*5.50	7.10						5.43	6.39	7.83	10.1	14.3
20.4	20.9	21.9	22.9	23.4	23.9	25.4	26.4	26.9	27.9	28.4	28.9	29.4	30.4		7.50	9.75	7.42	8.70	10.6	13.5	18.5	8.72	10.3	12.6	16.3	23.1
21.1	21.6	22.6	23.6	24.1	24.6	26.1	27.1	27.6	28.6	29.1	29.6	30.1	31.1		7.10	9.25	6.78	7.94	9.68	12.3	16.9	8.07	9.50	11.7	15.1	21.4
17.6	18.1	19.1	20.1	20.6	21.1	22.6	23.6	24.1	25.1	25.6	26.1	26.6	27.6		9.00	11.80	9.81	11.5	14.0	17.8	24.4	11.1	13.1	16.1	20.8	29.4
18.4	18.9	19.9	20.9	21.4	21.9	23.4	24.4	24.9	25.9	26.4	26.9	27.4	28.4		8.50	11.30	9.02	10.6	12.9	16.4	22.5	10.3	12.2	15.0	19.3	27.3
		14.7	15.7	16.2	16.7	18.3	19.3	19.8	20.8	21.3	21.8	22.3	23.3		11.30	15.00	13.4	15.7	19.1	24.2	32.4	14.8	17.4	21.4	27.5	38.4
															16.00	21.20	20.4	23.8	28.8	35.7	†	22.0	25.8	31.6	40.2	†
													18.2		14.00	18.70	17.4	20.4	24.8	31.0	40.1	18.9	22.3	27.4	34.9	47.9

Key to correction factors: 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



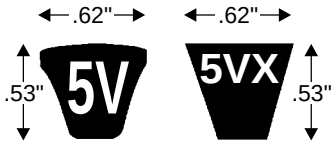
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																							
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5V 5VX 900		5V 5VX 950		5V 5VX 960		5V 5VX 1000		5V 5VX 1030		5V 5VX 1060		5V 5VX 1080		5V 5VX 1120		5V 5VX 1150		5V 5VX 1180		5V 5VX 1230		5V 5VX 1250	5V 5VX 1320	5V 5VX 1400	5V 5VX 1500	5V 5VX 1600	5V 5VX 1700
504	605	763	1018	1535	*5.20	*5.90	1.14	36.3	37.8	38.8	39.3	41.3	42.8	44.3	45.3	47.3	48.8	50.3	52.8	53.8	57.3	61.3	66.3	71.3	76.3
504	605	763	1018	1535	*5.90	*6.70	1.14	35.1	36.6	37.6	38.1	40.1	41.6	43.1	44.1	46.1	47.6	49.1	51.6	52.6	56.1	60.1	65.1	70.1	75.1
504	605	763	1018	1535	7.50	8.50	1.14	32.4	33.9	34.9	35.4	37.4	38.9	40.4	41.4	43.4	44.9	46.4	48.9	49.9	53.4	57.4	62.4	67.4	72.4
504	605	763	1018	1535	13.20	15.00	1.14	22.8	24.3	25.3	25.8	27.8	29.3	30.8	31.8	33.8	35.3	36.8	39.3	40.3	43.8	47.8	52.8	57.8	62.8
504	605	763	1018	1535	14.00	16.00	1.14	21.4	22.9	23.9	24.4	26.4	27.9	29.4	30.4	32.4	33.9	35.4	37.9	38.9	42.4	46.4	51.4	56.4	61.4
500	600	757	1009	1522	*5.50	*6.30	1.15	35.7	37.2	38.2	38.7	40.7	42.2	43.7	44.7	46.7	48.2	49.7	52.2	53.2	56.7	60.7	65.7	70.7	75.7
500	600	757	1009	1522	8.50	9.75	1.15	30.7	32.2	33.2	33.7	35.7	37.2	38.7	39.7	41.7	43.2	44.7	47.2	48.2	51.7	55.7	60.7	65.7	70.7
500	600	757	1009	1522	9.00	10.30	1.15	29.8	31.3	32.3	32.8	34.8	36.3	37.8	38.8	40.8	42.3	43.8	46.3	47.3	50.8	54.8	59.8	64.8	69.8
500	600	757	1009	1522	10.30	11.80	1.15	27.6	29.1	30.1	30.6	32.6	34.1	35.6	36.6	38.6	40.1	41.6	44.1	45.1	48.6	52.6	57.6	62.6	67.6
500	600	757	1009	1522	10.90	12.50	1.15	26.6	28.1	29.1	29.6	31.6	33.1	34.6	35.6	37.6	39.1	40.6	43.1	44.1	47.6	51.6	56.6	61.6	66.6
496	595	750	1000	1509	8.00	9.25	1.16	31.4	32.9	33.9	34.4	36.4	37.9	39.4	40.4	42.4	43.9	45.4	47.9	48.9	52.4	56.4	61.4	66.4	71.4
496	595	750	1000	1509	9.75	11.30	1.16	28.5	30.0	31.0	31.5	33.5	35.0	36.5	37.5	39.5	41.0	42.5	45.0	46.0	49.5	53.5	58.5	63.5	68.5
491	590	744	991	1496	11.30	13.20	1.17	25.7	27.2	28.2	28.7	30.7	32.2	33.7	34.7	36.7	38.2	39.7	42.2	43.2	46.7	50.7	55.7	60.8	65.8
491	590	744	991	1496	16.00	18.70	1.17		19.2	20.2	20.7	22.7	24.2	25.7	26.7	28.7	30.2	31.7	34.2	35.2	38.7	42.7	47.7	52.7	57.7
487	585	737	983	1483	9.25	10.90	1.18	29.2	30.7	31.7	32.2	34.2	35.7	37.2	38.2	40.2	41.7	43.2	45.7	46.7	50.2	54.2	59.2	64.2	69.2
483	580	731	975	1471	*4.40	*5.20	1.19	37.5	39.0	40.0	40.5	42.5	44.0	45.5	46.5	48.5	50.0	51.5	54.0	55.0	58.5	62.5	67.5	72.5	77.5
483	580	731	975	1471	*4.65	*5.50	1.19	37.0	38.5	39.5	40.0	42.0	43.5	45.0	46.0	48.0	49.5	51.0	53.5	54.5	58.0	62.0	67.0	72.0	77.0
483	580	731	975	1471	*6.30	7.50	1.19	34.2	35.7	36.7	37.2	39.2	40.7	42.2	43.2	45.2	46.7	48.2	50.7	51.7	55.2	59.2	64.2	69.2	74.2
483	580	731	975	1471	11.80	14.00	1.19	24.7	26.2	27.2	27.7	29.7	31.2	32.7	33.7	35.7	37.2	38.7	41.2	42.2	45.7	49.7	54.7	59.7	64.7
479	575	725	967	1458	*6.70	8.00	1.20	33.4	34.9	35.9	36.4	38.4	39.9	41.4	42.4	44.4	46.0	47.5	50.0	51.0	54.5	58.5	63.5	68.5	73.5
479	575	725	967	1458	7.10	8.50	1.20	32.7	34.2	35.2	35.7	37.7	39.2	40.7	41.7	43.7	45.2	46.7	49.2	50.2	53.7	57.7	62.7	67.7	72.7
479	575	725	967	1458	7.50	9.00	1.20	32.0	33.5	34.5	35.0	37.0	38.5	40.0	41.0	43.0	44.5	46.0	48.5	49.5	53.0	57.0	62.0	67.0	72.0
479	575	725	967	1458	12.50	15.00	1.20	23.4	24.9	25.9	26.4	28.4	29.9	31.4	32.4	34.4	35.9	37.4	39.9	40.9	44.4	48.4	53.4	58.4	63.4
475	570	719	959	1446	*4.90	*5.90	1.21	36.5	38.0	39.0	39.5	41.5	43.0	44.5	45.5	47.5	49.0	50.5	53.0	54.0	57.5	61.5	66.5	71.5	76.5
475	570	719	959	1446	*5.90	7.10	1.21	34.8	36.3	37.3	37.8	39.8	41.3	42.8	43.8	45.8	47.3	48.8	51.3	52.3	55.8	59.8	64.8	69.8	74.8
475	570	719	959	1446	8.50	10.30	1.21	30.2	31.7	32.7	33.2	35.2	36.7	38.2	39.2	41.2	42.7	44.2	46.7	47.7	51.2	55.2	60.2	65.2	70.2
475	570	719	959	1446	9.00	10.90	1.21	29.4	30.9	31.9	32.4	34.4	35.9	37.4	38.4	40.4	41.9	43.4	45.9	46.9	50.4	54.4	59.4	64.4	69.4
475	570	719	959	1446	9.75	11.80	1.21	28.1	29.6	30.6	31.1	33.1	34.6	36.1	37.1	39.1	40.6	42.1	44.6	45.6	49.1	53.1	58.1	63.1	68.1
475	570	719	959	1446	10.90	13.20	1.21	26.0	27.5	28.5	29.0	31.1	32.6	34.1	35.1	37.1	38.6	40.1	42.6	43.6	47.1	51.1	56.1	61.1	66.1
475	570	719	959	1446	13.20	16.00	1.21	22.0	23.5	24.5	25.0	27.0	28.5	30.0	31.0	33.0	34.5	36.0	38.5	39.5	43.0	47.0	52.0	57.0	62.1
471	566	713	951	1434	*5.20	*6.30	1.22	36.0	37.5	38.5	39.0	41.0	42.5	44.0	45.0	47.0	48.5	50.0	52.5	53.5	57.0	61.0	66.0	71.0	76.0
471	566	713	951	1434	*5.50	*6.70	1.22	35.4	36.9	37.9	38.4	40.4	41.9	43.4	44.4	46.4	47.9	49.4	51.9	52.9	56.4	60.4	65.4	70.4	75.4
471	566	713	951	1434	8.00	9.75	1.22	31.0	32.5	33.5	34.0	36.0	37.5	39.0	40.0	42.1	43.6	45.1	47.6	48.6	52.1	56.1	61.1	66.1	71.1
471	566	713	951	1434	9.25	11.30	1.22	28.8	30.3	31.3	31.8	33.8	35.3	36.8	37.8	39.8	41.3	42.8	45.3	46.3	49.8	53.9	58.9	63.9	68.9
471	566	713	951	1434	10.30	12.50	1.22	27.1	28.6	29.6	30.1	32.1	33.6	35.1	36.1	38.1	39.6	41.1	43.6	44.6	48.1	52.1	57.1	62.1	67.1
464	556	702	935	1411	7.50	9.25	1.24	31.8	33.3	34.3	34.8	36.8	38.3	39.8	40.8	42.8	44.3	45.8	48.3	49.3	52.8	56.8	61.8	66.8	71.8
464	556	702	935	1411	11.30	14.00	1.24	25.1	26.6	27.6	28.1	30.1	31.6	33.1	34.1	36.1	37.6	39.1	41.6	42.6	46.1	50.1	55.1	60.1	65.1
460	552	696	928	1400	15.00	18.70	1.25	18.4	19.9	21.0	21.5	23.5	25.0	26.5	27.5	29.5	31.0	32.5	35.0	36.0	39.5	43.5	48.5	53.5	58.5
456	548	690	921	1389	*4.40	*5.50	1.26	37.2	38.7	39.7	40.2	42.2	43.7	45.2	46.2	48.2	49.7	51.2	53.7	54.7	58.2	62.2	67.2	72.2	77.2
456	548	690	921	1389	9.00	11.30	1.26	29.0	30.5	31.5	32.0	34.0	35.5	37.0	38.0	40.0	41.5	43.0	45.5	46.5	50.0	54.0	59.0	64.0	69.0
453	543	685	913	1378	*4.65	*5.90	1.27	36.7	38.2	39.2	39.7	41.7	43.2	44.7	45.7	47.7	49.2	50.7	53.2	54.2	57.7	61.7	66.7	71.7	76.7
453	543	685	913	1378	*6.30	8.00	1.27	33.8	35.3	36.3	36.8	38.8	40.3	41.8	42.8	44.8	46.3	47.8	50.3	51.3	54.8	58.8	63.8	68.8	73.8
453	543	685	913	1378	*6.70	8.50	1.27	33.0	34.6	35.6	36.1	38.1	39.6	41.1	42.1	44.1	45.6	47.1	49.6	50.6	54.1	58.1	63.1	68.1	73.1
453	543	685	913	1378	7.10	9.00	1.27	32.3	33.8	34.8	35.3	37.3	38.8	40.3	41.3	43.3	44.8	46.3	48.8	49.8	53.3	57.3	62.3	67.3	72.3
453	543	685	913	1378	11.80	15.00	1.27	23.9	25.4	26.4	26.9	28.9	30.4	31.9	32.9	34.9	36.4	37.9	40.4	41.4	44.9	48.9	53.9	58.9	63.9
449	539	680	906	1367	*5.90	7.50	1.28	34.5	36.0	37.0	37.5	39.5	41.0	42.5	43.5	45.5	47.0	48.5	51.0	52.0	55.5	59.5	64.5	69.5	74.5
449	539	680	906	1367	9.25	11.80	1.28	28.4	29.9	30.9	31.4	33.4	34.9	36.4	37.4	39.4	40.9	42.4	44.9	45.9	49.5	53.5	58.5	63.5	68.5
449	539	680	906	1367	9.75	12.50	1.28	27.5	29.0	30.0	30.5	32.5	34.0	35.5	36.5	38.5	40.0	41.5	44.0	45.0	48.5	52.5	57.5	62.5	67.5
449	539	680	906	1367	10.30	13.20	1.28	26.5	28.0	29.0	29.5	31.5	33.0	34.5	35.5	37.5	39.0	40.5	43.0	44.0	47.5	51.5	56.5	61.5	66.5
449	539	680	906	1367	12.50	16.00	1.28	22.5	24.1	25.1	25.6	27.6	29.1	30.6	31.6	33.6	35.1	36.6	39.1	40.1	43.6	47.6	52.6	57.6	62.6
446	535	674	899	1357	*4.90	*6.30	1.29	36.2	37.7	38.7	39.2	41.2	42.7	44.2	45.2	47.2	48.7	50.2	52.7	53.7	57.2	61.2	66.2	71.2	76.2
446	535	674	899	1357	*5.20	*6.70	1.29	35.6	37.1	38.1	38.6	40.6	42.1	43.6	44.6	46.6	48.1	49.6	52.1	53.1	56.6	60.6	65.6	70.6	75.7
446	535	674	899	1357	8.00	10.30	1.29	30.6	32.1	33.1	33.6	35.6	37.1	38.6	39.6	41.6	43.1	44.6	47.1	48.1	51.6	55.6	60.6	65.6	70.6
446	535	674	899	1357	8.50	10.90	1.29	29.7	31.2	32.2	32.7	34.7	36.2	37.7	38.7	40.7	42.2	43.7	46.2	47.2	50.7	54.8	59.8	64.8	69.8
446	535	674	899	1357	10.90	14.00	1.29	25.4	26.9	27.9	28.4	30.4	31.9	33.4	34.4	36.4	37.9	39.4	41.9	42.9	46.4	50.4	55.4	60.4	65.4
442	531	669	892	1346	*5.50	7.10	1.30	35.1	36.6	37.6	38.1	40.1	41.6	43.1	44.1	46.1	47.6	49.1	51.6	52.6	56.1	60.1	65.1	70.1	75.1
442	531	669	892	1346	7.50	9.75	1.30	31.4	32.9	33.9	34.4	36.4	37.9	39.4	40.4	42.4	43.9	45.4	47.9	48.9	52.4	56.4	61.4	66.4	71.4
439	527	664	885	1336	7.10	9.25	1.31	32.1	33.6	34.6	35.1	37.1	38.6	40.1	41.1	43.1	44.6	46.1	48.6	49.6	53.1	57.1	62.1	67.2	72.2
439	527	664	885	1336	9.00	11.80	1.31	28.6	30.1	31.1	31.6	33.6	35.1	36.6	37.6	39.6	41.1	42.6	45.1	46.1	49.6	53.6	58.6	63.6	68.6
432	519	654	872	1316	8.50	11.30	1.33	29.4	30.9	31.9	32.4	34.4	35.9	37.4	38.4	40.4	41.9	43.4	45.9	46.9	50.4	54.4	59.4	64.4	69.4
432	519	654	872	1316	11.30	15.00	1.33	24.3	25.8	26.8	27.3	29.3	30.8	32.3	33.3	35.3	36.8	38.3	40.8	41.8	45.3	49.3	54.3	59.3	64.3
432	519	654	872	1316	16.00	21.20	1.33					20.6	22.1	23.6	24.6	26.7	28.2	29.7	32.2	33.2	36.7	40.7	45.7	50.7	55.7
429	515	649	866	1306	14.00	18.70	1.34	19.2	20.7	21.7	22.2	24.2	25.7	27.2	28.2	30.2	31.7	33.2	35.7	36.7	40.2	44.3	49.3	54.3	59.3

Key to correction factors: 0.9 | 1.0 | 1.1

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

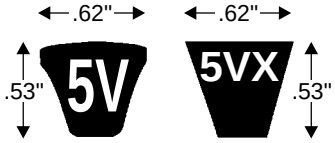


V-Belt No. and Center Distance														Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																Super HC					Super HC Molded Notch				
																RPM of Small Sheave					RPM of Small Sheave				
5V 5VX 1800	5V 5VX 1900	5V 5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
81.3	86.3	91.3												*5.20	*5.90						4.84	5.68	6.96	8.93	12.6
80.1	85.1	90.1												*5.90	*6.70						6.00	7.06	8.67	11.1	15.8
77.4	82.4	87.4	93.4	99.4	105.4	112.4	119.9	127.4	137.4	144.9	154.9	164.9		7.50	8.50	7.25	8.49	10.3	13.1	18.0	8.63	10.2	12.5	16.1	22.8
67.8	72.8	77.8	83.8	89.8	95.8	102.8	110.3	117.8	127.8	135.3	145.3	155.3		13.20	15.00	16.1	18.8	22.9	28.7	37.5	17.6	20.8	25.5	32.6	44.9
66.4	71.4	76.4	82.4	88.4	94.4	101.4	108.9	116.4	126.4	133.9	143.9	153.9		14.00	16.00	17.3	20.2	24.5	30.7	39.6	18.8	22.2	27.2	34.7	47.6
80.7	85.7	90.7												*5.50	*6.30						5.34	6.28	7.69	9.88	14.0
75.7	80.7	85.7	91.7	97.7	103.7	110.7	118.2	125.7	135.7	143.2	153.2	163.2		8.50	9.75	8.85	10.4	12.6	16.1	22.0	10.2	12.1	14.8	19.1	27.1
74.8	79.8	84.8	90.8	96.8	102.8	109.8	117.3	124.8	134.8	142.3	152.3	162.3		9.00	10.30	9.63	11.3	13.8	17.5	23.8	11.0	13.0	16.0	20.6	29.1
72.6	77.6	82.6	88.6	94.6	100.6	107.6	115.1	122.6	132.6	140.1	150.1	160.1		10.30	11.80	11.7	13.7	16.7	21.1	28.5	13.1	15.4	19.0	24.4	34.3
71.6	76.6	81.6	87.6	93.6	99.6	106.6	114.1	121.6	131.6	139.1	149.1	159.1		10.90	12.50	12.6	14.8	18.0	22.8	30.5	14.1	16.6	20.4	26.2	36.6
76.4	81.4	86.4	92.4	98.4	104.5	111.5	119.0	126.5	136.5	144.0	154.0	164.0		8.00	9.25	8.05	9.43	11.5	14.6	20.0	9.44	11.1	13.7	17.6	25.0
73.5	78.5	83.5	89.5	95.5	101.5	108.5	116.0	123.5	133.5	141.0	151.0	161.0		9.75	11.30	10.8	12.7	15.5	19.6	26.6	12.2	14.4	17.7	22.8	32.1
70.8	75.8	80.8	86.8	92.8	98.8	105.8	113.3	120.8	130.8	138.3	148.3	158.3		11.30	13.20	13.2	15.5	18.9	23.8	31.8	14.7	17.3	21.3	27.3	38.1
62.7	67.7	72.7	78.7	84.7	90.7	97.7	105.2	112.7	122.7	130.2	140.2	150.2		16.00	18.70	20.2	23.6	28.5	35.4	†	21.9	25.7	31.5	40.0	†
74.2	79.2	84.2	90.2	96.2	102.2	109.2	116.7	124.2	134.2	141.7	151.7	161.7		9.25	10.90	10.1	11.9	14.5	18.4	25.1	11.5	13.5	16.7	21.4	30.3
82.5	87.5	92.5												*4.40	*5.20						3.54	4.15	5.06	6.46	9.07
82.0	87.0	92.0												*4.65	*5.50						3.97	4.65	5.68	7.26	10.2
79.2	84.2	89.2												*6.30	7.50						6.71	7.90	9.70	12.5	17.7
69.7	74.7	79.7	85.7	91.7	97.7	104.7	112.2	119.7	129.7	137.2	147.2	157.2		11.80	14.00	14.1	16.5	20.1	25.3	33.7	15.5	18.3	22.4	28.8	40.1
78.5	83.5	88.5												*6.70	8.00						7.37	8.67	10.7	13.7	19.5
77.7	82.7	87.7	93.7	99.7	105.7	112.7	120.2	127.7	137.7	145.2	155.2	165.2		7.10	8.50	6.71	7.85	9.56	12.1	16.7	8.02	9.45	11.6	15.0	21.2
77.0	82.0	87.0	93.0	99.0	105.0	112.0	119.5	127.0	137.0	144.5	154.5	164.5		7.50	9.00	7.35	8.61	10.5	13.3	18.3	8.67	10.2	12.6	16.2	23.0
68.4	73.4	78.4	84.4	90.4	96.4	103.4	110.9	118.4	128.4	135.9	145.9	155.9		12.50	15.00	15.1	17.7	21.6	27.2	35.8	16.6	19.5	24.0	30.8	42.6
81.5	86.5	91.5												*4.90	*5.90						4.39	5.14	6.30	8.06	11.4
79.8	84.8	89.8												*5.90	7.10						6.05	7.12	8.74	11.2	15.9
75.2	80.2	85.2	91.2	97.2	103.2	110.2	117.7	125.2	135.2	142.7	152.7	162.7		8.50	10.30	8.94	10.5	12.8	16.2	22.2	10.3	12.1	14.9	19.2	27.2
74.4	79.4	84.4	90.4	96.4	102.4	109.4	116.9	124.4	134.4	141.9	151.9	161.9		9.00	10.90	9.73	11.4	13.9	17.7	24.1	11.1	13.1	16.1	20.7	29.3
73.1	78.1	83.1	89.1	95.1	101.1	108.1	115.6	123.1	133.1	140.6	150.6	160.6		9.75	11.80	10.9	12.8	15.6	19.8	26.9	12.3	14.5	17.8	22.9	32.3
71.1	76.1	81.1	87.1	93.1	99.1	106.1	113.6	121.1	131.1	138.6	148.6	158.6		10.90	13.20	12.7	14.9	18.1	22.9	30.8	14.1	16.6	20.4	26.2	36.7
67.1	72.1	77.1	83.1	89.1	95.1	102.1	109.6	117.1	127.1	134.6	144.6	154.6		13.20	16.00	16.2	18.9	23.0	28.9	37.8	17.7	20.8	25.5	32.7	45.1
81.0	86.0	91.0												*5.20	*6.30						4.89	5.74	7.03	9.02	12.8
80.4	85.4	90.4												*5.50	*6.70						5.39	6.33	7.76	9.97	14.1
76.1	81.1	86.1	92.1	98.1	104.1	111.1	118.6	126.1	136.1	143.6	153.6	163.6		8.00	9.75	8.15	9.55	11.6	14.8	20.3	9.48	11.2	13.7	17.7	25.1
73.9	78.9	83.9	89.9	95.9	101.9	108.9	116.4	123.9	133.9	141.4	151.4	161.4		9.25	11.30	10.1	11.9	14.5	18.4	25.1	11.5	13.5	16.7	21.4	30.3
72.1	77.1	82.1	88.1	94.1	100.1	107.1	114.6	122.1	132.1	139.6	149.6	159.6		10.30	12.50	11.8	13.8	16.8	21.3	28.8	13.2	15.5	19.1	24.5	34.4
76.8	81.8	86.8	92.8	98.8	104.8	111.8	119.3	126.8	136.8	144.3	154.3	164.3		7.50	9.25	7.35	8.61	10.5	13.3	18.3	8.67	10.2	12.6	16.2	23.0
70.1	75.1	80.1	86.1	92.1	98.1	105.1	112.6	120.1	130.1	137.6	147.6	157.6		11.30	14.00	13.3	15.6	19.0	24.0	32.1	14.7	17.4	21.3	27.4	38.3
63.5	68.5	73.5	79.5	85.5	91.5	98.5	106.0	113.5	123.5	131.0	141.0	151.0		15.00	18.70	18.8	22.0	26.7	33.3	†42.2	20.5	24.1	29.5	37.6	†51.0
82.2	87.2	92.2												*4.40	*5.50						3.59	4.20	5.13	6.55	9.21
74.0	79.0	84.0	90.0	96.0	102.0	109.1	116.6	124.1	134.1	141.6	151.6	161.6		9.00	11.30	9.81	11.5	14.0	17.8	24.4	11.1	13.1	16.1	20.8	29.4
81.7	86.7	91.7												*4.65	*5.90						4.01	4.70	5.75	7.36	10.4
78.8	83.8	88.8												*6.30	8.00						6.76	7.95	9.77	12.6	17.9
78.1	83.1	88.1												*6.70	8.50						7.41	8.73	10.7	13.8	19.6
77.3	82.3	87.3	93.4	99.4	105.4	112.4	119.9	127.4	137.4	144.9	154.9	164.9		7.10	9.00	6.78	7.94	9.68	12.3	16.9	8.07	9.50	11.7	15.1	21.4
68.9	73.9	78.9	84.9	90.9	96.9	103.9	111.4	118.9	128.9	136.4	146.4	156.4		11.80	15.00	14.1	16.6	20.2	25.5	33.9	15.5	18.3	22.5	28.9	40.2
79.5	84.5	89.5												*5.90	7.50						6.10	7.17	8.80	11.3	16.1
73.5	78.5	83.5	89.5	95.5	101.5	108.5	116.0	123.5	133.5	141.0	151.0	161.0		9.25	11.80	10.2	12.0	14.6	18.5	25.3	11.5	13.6	16.7	21.5	30.4
72.5	77.5	82.5	88.5	94.5	100.5	107.5	115.0	122.5	132.5	140.0	150.0	160.0		9.75	12.50	11.0	12.9	15.7	19.9	27.1	12.3	14.5	17.9	23.0	32.4
71.5	76.5	81.5	87.5	93.5	99.5	106.5	114.0	121.5	131.5	139.0	149.0	159.0		10.30	13.20	11.8	13.9	16.9	21.5	29.0	13.2	15.6	19.1	24.6	34.6
67.6	72.6	77.6	83.6	89.6	95.6	102.6	110.1	117.6	127.6	135.1	145.1	155.1		12.50	16.00	15.2	17.8	21.7	27.3	36.0	16.6	19.6	24.1	30.8	42.8
81.2	86.2	91.2												*4.90	*6.30						4.43	5.20	6.36	8.16	11.5
80.7	85.7	90.7												*5.20	*6.70						4.93	5.79	7.10	9.11	12.9
75.6	80.6	85.6	91.6	97.6	103.6	110.6	118.1	125.6	135.6	143.1	153.1	163.1		8.00	10.30	8.22	9.64	11.8	14.9	20.5	9.53	11.2	13.8	17.8	25.2
74.8	79.8	84.8	90.8	96.8	102.8	109.8	117.3	124.8	134.8	142.3	152.3	162.3		8.50	10.90	9.02	10.6	12.9	16.4	22.5	10.3	12.2	15.0	19.3	27.3
70.4	75.4	80.4	86.4	92.4	98.4	105.4	112.9	120.4	130.4	137.9	147.9	157.9		10.90	14.00	12.8	15.0	18.2	23.1	31.0	14.1	16.7	20.5	26.3	36.9
80.1	85.1	90.1												*5.50	7.10						5.43	6.39	7.83	10.1	14.3
76.4	81.4	86.4	92.4	98.4	104.4	111.4	118.9	126.4	136.4	143.9	153.9	163.9		7.50	9.75	7.42	8.70	10.6	13.5	18.5	8.72	10.3	12.6	16.3	23.1
77.2	82.2	87.2	93.2	99.2	105.2	112.2	119.7	127.2	137.2	144.7	154.7	164.7		7.10	9.25	6.78	7.94	9.68	12.3	16.9	8.07	9.50	11.7	15.1	21.4
73.7	78.7	83.7	89.7	95.7	101.7	108.7	116.2	123.7	133.7	141.2	151.2	161.2		9.00	11.80	9.81	11.5	14.0	17.8	24.4	11.1	13.1	16.1	20.8	29.4
74.4	79.4	84.4	90.4	96.4	102.4	109.4	116.9	124.4	134.4	141.9	151.9	161.9		8.50	11.30	9.02	10.6	12.9	16.4	22.5	10.3	12.2	15.0	19.3	27.3
69.3	74.3	79.3	85.3	91.3	97.3	104.3	111.8	119.3	129.3	136.8	146.8	156.8		11.30	15.00	13.4	15.7	19.1	24.2	32.4	14.8	17.4	21.4	27.5	38.4
60.7	65.7	70.7	76.7	82.7	88.7	95.7	103.3	110.8	120.8	128.3	138.3	148.3		16.00	21.20	20.4	23.8	28.8	35.7	†	22.0	25.8	31.6	40.2	†
64.3	69.3	74.3	80.3	86.3	92.3	99.3	106.8	114.3	124.3	131.8	141.8	151.8		14.00	18.70	17.4	20.4	24.8	31.0	40.1	18.9	22.3	27.4	34.9	47.9

Key to correction factors: 1.0 1.1 1.2

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



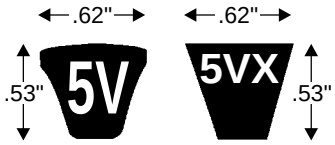
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																				
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5VX 450	5VX 470	5VX 490	5V 5VX 500	5VX 510	5V 5VX 530	5VX 540	5VX 550	5V 5VX 560	5VX 570	5VX 580	5VX 590	5V 5VX 600	5VX 610	5V 5VX 630	5VX 650	5VX 660	5V 5VX 670
426	511	644	859	1296	*4.40	*5.90	1.35	14.4	15.4	16.4	16.9	17.4	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	23.4	24.4	24.9	25.4
426	511	644	859	1296	*6.30	8.50	1.35	10.8	11.8	12.8	13.3	13.8	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.8	20.8	21.3	21.8
426	511	644	859	1296	*6.70	9.00	1.35	10.1	11.1	12.1	12.6	13.1	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	19.1	20.1	20.6	21.1
423	507	640	853	1287	*4.65	*6.30	1.36	13.9	14.9	15.9	16.4	16.9	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.9	23.9	24.4	24.9
423	507	640	853	1287	*5.90	8.00	1.36	11.5	12.5	13.5	14.0	14.5	15.5	16.0	16.5	17.1	17.6	18.1	18.6	19.1	19.6	20.6	21.6	22.1	22.6
423	507	640	853	1287	9.25	12.50	1.36												12.3	12.8	13.3	14.3	15.3	15.8	16.3
423	507	640	853	1287	9.75	13.20	1.36															13.4	14.4	14.9	15.4
423	507	640	853	1287	10.30	14.00	1.36																13.3	13.8	14.3
423	507	640	853	1287	11.80	16.00	1.36																		
420	504	635	847	1277	*4.90	*6.70	1.37	13.4	14.4	15.4	15.9	16.4	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	22.4	23.4	23.9	24.4
420	504	635	847	1277	*5.20	7.10	1.37	12.8	13.8	14.8	15.3	15.8	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.8	22.8	23.3	23.8
420	504	635	847	1277	*5.50	7.50	1.37	12.2	13.3	14.3	14.8	15.3	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	21.3	22.3	22.8	23.3
420	504	635	847	1277	8.00	10.90	1.37					10.6	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.6	17.6	18.1	18.6
417	500	630	841	1268	7.10	9.75	1.38		10.2	11.2	11.7	12.2	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	18.2	19.2	19.7	20.2
417	500	630	841	1268	7.50	10.30	1.38			10.4	10.9	11.4	12.4	12.9	13.4	13.9	14.5	15.0	15.5	16.0	16.5	17.5	18.5	19.0	19.5
417	500	630	841	1268	10.90	15.00	1.38																		
414	496	626	835	1259	*6.70	9.25	1.39	9.9	10.9	11.9	12.4	12.9	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.9	19.9	20.4	20.9
414	496	626	835	1259	8.50	11.80	1.39								11.4	11.9	12.4	13.0	13.5	14.0	14.5	15.5	16.5	17.0	17.5
414	496	626	835	1259	9.00	12.50	1.39											12.0	12.5	13.0	13.5	14.5	15.5	16.0	16.5
405	486	613	817	1232	8.00	11.30	1.42						11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.3	16.3	17.3	17.8	18.3
405	486	613	817	1232	11.30	16.00	1.42																		
405	486	613	817	1232	13.20	18.70	1.42																		
405	486	613	817	1232	15.00	21.20	1.42																		
402	483	608	811	1224	9.25	13.20	1.43													12.2	12.7	13.7	14.7	15.2	15.7
399	479	604	806	1215	*4.40	*6.30	1.44	14.1	15.1	16.1	16.6	17.1	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	23.1	24.1	24.6	25.1
399	479	604	806	1215	*6.30	9.00	1.44	10.4	11.4	12.4	12.9	13.4	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	19.4	20.4	20.9	21.4
399	479	604	806	1215	9.75	14.00	1.44																13.7	14.2	14.7
397	476	600	800	1207	*4.65	*6.70	1.45	13.5	14.5	15.6	16.1	16.6	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.6	23.6	24.1	24.6
397	476	600	800	1207	*5.20	7.50	1.45	12.5	13.5	14.5	15.0	15.5	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.5	22.5	23.0	23.5
397	476	600	800	1207	*5.90	8.50	1.45	11.1	12.1	13.1	13.6	14.1	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	20.1	21.2	21.7	22.2
394	473	596	795	1199	*4.90	7.10	1.46	13.0	14.0	15.0	15.5	16.0	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	22.0	23.0	23.5	24.1
394	473	596	795	1199	*5.50	8.00	1.46	11.8	12.8	13.8	14.3	14.8	15.8	16.3	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.9	21.9	22.4	22.9
394	473	596	795	1199	*6.70	9.75	1.46	9.5	10.5	11.5	12.0	12.5	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.5	19.5	20.0	20.5
394	473	596	795	1199	7.10	10.30	1.46		9.7	10.7	11.2	11.7	12.7	13.2	13.7	14.2	14.7	15.3	15.8	16.3	16.8	17.8	18.8	19.3	19.8
394	473	596	795	1199	7.50	10.90	1.46				10.4	10.9	11.9	12.4	12.9	13.4	13.9	14.4	15.0	15.5	16.0	17.0	18.0	18.5	19.0
394	473	596	795	1199	10.30	15.00	1.46																		
391	469	592	789	1190	9.00	13.20	1.47													12.4	12.9	13.9	14.9	15.4	15.9
391	469	592	789	1190	10.90	16.00	1.47																		
389	466	588	784	1182	*6.30	9.25	1.48	10.2	11.2	12.2	12.7	13.2	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	19.2	20.2	20.7	21.2
389	466	588	784	1182	8.00	11.80	1.48							11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.8	16.8	17.3	17.8
389	466	588	784	1182	8.50	12.50	1.48										11.8	12.3	12.9	13.4	13.9	14.9	15.9	16.4	16.9
389	466	588	784	1182	16.00	23.60	1.48																		
383	460	580	773	1167	12.50	18.70	1.50																		
381	457	576	768	1159	7.50	11.30	1.51					10.6	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.6	17.6	18.1	18.6
378	454	572	763	1151	9.25	14.00	1.52															13.0	14.0	14.5	15.1
378	454	572	763	1151	14.00	21.20	1.52																		
376	451	569	758	1144	*4.40	*6.70	1.53	13.7	14.7	15.7	16.2	16.7	17.7	18.2	18.7	19.2	19.7	20.2	20.8	21.3	21.8	22.8	23.8	24.3	24.8
376	451	569	758	1144	*5.90	9.00	1.53	10.7	11.7	12.7	13.2	13.7	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.7	20.7	21.2	21.7
373	448	565	753	1136	*4.65	7.10	1.54	13.2	14.2	15.2	15.7	16.2	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	22.2	23.2	23.7	24.2
373	448	565	753	1136	*4.90	7.50	1.54	12.7	13.7	14.7	15.2	15.7	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.7	22.7	23.2	23.7
373	448	565	753	1136	7.10	10.90	1.54			10.2	10.7	11.2	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.3	17.3	18.3	18.8	19.3
373	448	565	753	1136	9.75	15.00	1.54																		13.8
371	445	561	748	1129	*5.20	8.00	1.55	12.1	13.1	14.1	14.6	15.1	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	21.1	22.1	22.6	23.1
371	445	561	748	1129	*6.70	10.30	1.55		10.0	11.0	11.5	12.0	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.6	17.1	18.1	19.1	19.6	20.1
369	442	558	744	1122	*5.50	8.50	1.56	11.4	12.4	13.4	13.9	14.4	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	20.4	21.5	22.0	22.5
369	442	558	744	1122	*6.30	9.75	1.56	9.7	10.8	11.8	12.3	12.8	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.8	19.8	20.3	20.8
369	442	558	744	1122	8.50	13.20	1.56												12.2	12.7	13.2	14.3	15.3	15.8	16.3
369	442	558	744	1122	9.00	14.00	1.56															13.2	14.2	14.7	15.2
369	442	558	744	1122	10.30	16.00	1.56																		
366	439	554	739	1115	8.00	12.50	1.57									11.7	12.2	12.7	13.2	13.7	14.2	15.2	16.2	16.7	17.3
364	437	551	734	1108	*5.90	9.25	1.58	10.5	11.5	12.5	13.0	13.5	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.5	20.5	21.0	21.5
364	437	551	734	1108	7.50	11.80	1.58						11.1	11.6	12.2	12.7	13.2	13.7	14.2	14.7	15.2	16.2	17.2	17.7	18.2
364	437	551	734	1108	15.00	23.60	1.58																		

Key to correction factors: 0.8 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

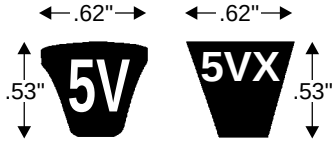


V-Belt No. and Center Distance															Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																	Super HC					Super HC Molded Notch				
																	RPM of Small Sheave					RPM of Small Sheave				
5VX 680	5VX 690	5V 5VX 710	5VX 730	5VX 740	5V 5VX 750	5VX 780	5V 5VX 800	5VX 810	5VX 830	5VX 840	5V 5VX 850	5VX 860	5VX 880		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
25.9	26.4	27.4	28.4	28.9	29.4	30.9	31.9	32.4	33.4	33.9	34.4	34.9	35.9		*4.40	*5.90						3.64	4.26	5.20	6.64	1750 RPM
22.3	22.8	23.9	24.9	25.4	25.9	27.4	28.4	28.9	29.9	30.4	30.9	31.4	32.4		*6.30	8.50						6.80	8.01	9.84	12.7	16.5
21.6	22.1	23.1	24.1	24.6	25.1	26.6	27.6	28.1	29.1	29.6	30.1	30.6	31.6		*6.70	9.00						7.46	8.78	10.8	13.9	19.8
25.4	25.9	26.9	27.9	28.4	28.9	30.4	31.4	31.9	32.9	33.4	33.9	34.4	35.4		*4.65	*6.30						4.06	4.76	5.82	7.45	10.5
23.1	23.6	24.6	25.6	26.1	26.6	28.1	29.1	29.6	30.6	31.1	31.6	32.1	33.1		*5.90	8.00						6.14	7.23	8.87	11.4	16.2
16.8	17.3	18.3	19.3	19.9	20.4	21.9	22.9	23.4	24.4	24.9	25.4	25.9	26.9		9.25	12.50	10.2	12.0	14.6	18.5	25.3	11.6	13.7	16.8	21.6	30.6
15.9	16.4	17.4	18.4	18.9	19.4	20.9	21.9	22.4	23.4	23.9	24.4	24.9	25.9		9.75	13.20	11.0	12.9	15.7	19.9	27.1	12.4	14.6	17.9	23.1	32.6
14.8	15.3	16.3	17.3	17.8	18.3	19.8	20.8	21.3	22.3	22.8	23.3	23.8	24.8		10.30	14.00	11.8	13.9	16.9	21.5	29.0	13.2	15.6	19.2	24.7	34.7
				15.0	15.5	17.0	18.0	18.5	19.6	20.1	20.6	21.1	22.1		11.80	16.00	14.1	16.6	20.2	25.5	33.9	15.6	18.4	22.6	29.0	40.4
24.9	25.4	26.4	27.4	27.9	28.4	29.9	30.9	31.4	32.4	32.9	33.4	33.9	34.9		*4.90	*6.70						4.48	5.26	6.43	8.25	11.7
24.3	24.8	25.8	26.8	27.3	27.8	29.3	30.3	30.8	31.8	32.3	32.8	33.3	34.3		*5.20	7.10						4.98	5.85	7.17	9.21	13.1
23.8	24.3	25.3	26.3	26.8	27.3	28.8	29.8	30.3	31.3	31.8	32.3	32.8	33.8		*5.50	7.50						5.48	6.44	7.90	10.2	14.4
19.1	19.6	20.6	21.6	22.1	22.6	24.1	25.1	25.6	26.6	27.1	27.6	28.1	29.1		8.00	10.90	8.22	9.64	11.8	14.9	20.5	9.57	11.3	13.9	17.9	25.4
20.7	21.2	22.2	23.2	23.7	24.2	25.7	26.7	27.2	28.2	28.7	29.2	29.7	30.7		7.10	9.75	6.86	8.03	9.79	12.4	17.1	8.11	9.56	11.8	15.1	21.5
20.0	20.5	21.5	22.5	23.0	23.5	25.0	26.0	26.5	27.5	28.0	28.5	29.0	30.0		7.50	10.30	7.50	8.79	10.7	13.6	18.8	8.76	10.3	12.7	16.4	23.3
	14.0	15.0	16.0	16.5	17.0	18.5	19.6	20.1	21.1	21.6	22.1	22.6	23.6		10.90	15.00	12.8	15.1	18.4	23.2	31.3	14.2	16.7	20.6	26.4	37.0
21.4	21.9	22.9	23.9	24.4	24.9	26.4	27.4	27.9	28.9	29.4	29.9	30.4	31.4		*6.70	9.25						7.46	8.78	10.8	13.9	19.8
18.0	18.5	19.5	20.5	21.0	21.5	23.0	24.0	24.5	25.5	26.0	26.5	27.0	28.0		8.50	11.80	9.09	10.7	13.0	16.5	22.7	10.4	12.2	15.1	19.4	27.5
17.0	17.5	18.5	19.5	20.0	20.5	22.0	23.0	23.5	24.6	25.1	25.6	26.1	27.1		9.00	12.50	9.88	11.6	14.1	18.0	24.6	11.2	13.2	16.2	20.9	29.5
18.8	19.3	20.3	21.3	21.8	22.3	23.8	24.8	25.3	26.3	26.8	27.3	27.8	28.8		8.00	11.30	8.30	9.73	11.9	15.1	20.8	9.57	11.3	13.9	17.9	25.4
			14.9	15.4	15.9	17.4	18.4	18.9	19.9	20.4	20.9	21.4	22.4		11.30	16.00	13.4	15.8	19.2	24.3	32.6	14.8	17.5	21.5	27.6	38.5
											17.2	17.7	18.7		13.20	18.70	16.3	19.1	23.3	29.2	38.2	17.8	20.9	25.7	32.9	45.3
															15.00	21.20	19.0	22.2	26.9	33.6	†42.6	20.5	24.1	29.6	37.7	†51.2
16.2	16.8	17.8	18.8	19.3	19.8	21.3	22.3	22.8	23.8	24.3	24.8	25.3	26.3		9.25	13.20	10.3	12.0	14.7	18.7	25.5	11.6	13.7	16.8	21.6	30.6
25.6	26.1	27.1	28.1	28.6	29.1	30.6	31.6	32.1	33.1	33.6	34.1	34.6	35.6		*4.40	*6.30						3.64	4.26	5.20	6.64	9.35
21.9	22.4	23.4	24.4	24.9	25.4	26.9	28.0	28.5	29.5	30.0	30.5	31.0	32.0		*6.30	9.00						6.80	8.01	9.84	12.7	18.0
15.2	15.7	16.7	17.7	18.2	18.7	20.2	21.2	21.7	22.7	23.2	23.8	24.3	25.3		9.75	14.00	11.1	13.0	15.8	20.1	27.3	12.4	14.6	17.9	23.1	32.6
25.1	25.6	26.6	27.6	28.1	28.6	30.1	31.1	31.6	32.6	33.1	33.6	34.1	35.1		*4.65	*6.70						4.06	4.76	5.82	7.45	10.5
24.0	24.5	25.5	26.5	27.0	27.5	29.0	30.0	30.5	31.5	32.0	32.5	33.0	34.0		*5.20	7.50						4.98	5.85	7.17	9.21	13.1
22.7	23.2	24.2	25.2	25.7	26.2	27.7	28.7	29.2	30.2	30.7	31.2	31.7	32.7		*5.90	8.50						6.14	7.23	8.87	11.4	16.2
24.6	25.1	26.1	27.1	27.6	28.1	29.6	30.6	31.1	32.1	32.6	33.1	33.6	34.6		*4.90	7.10						4.48	5.26	6.43	8.25	11.7
23.4	23.9	24.9	25.9	26.4	26.9	28.4	29.4	29.9	30.9	31.4	31.9	32.4	33.4		*5.50	8.00						5.48	6.44	7.90	10.2	14.4
21.0	21.5	22.5	23.5	24.0	24.5	26.0	27.0	27.5	28.5	29.0	29.5	30.0	31.0		*6.70	9.75						7.46	8.78	10.8	13.9	19.8
20.3	20.8	21.8	22.8	23.3	23.8	25.3	26.3	26.8	27.8	28.3	28.8	29.3	30.3		7.10	10.30	6.86	8.03	9.79	12.4	17.1	8.11	9.56	11.8	15.1	21.5
19.5	20.0	21.0	22.0	22.5	23.0	24.5	25.5	26.0	27.0	27.5	28.0	28.5	29.5		7.50	10.90	7.50	8.79	10.7	13.6	18.8	8.76	10.3	12.7	16.4	23.3
13.9	14.4	15.5	16.5	17.0	17.5	19.0	20.0	20.5	21.5	22.0	22.5	23.0	24.0		10.30	15.00	11.9	14.0	17.0	21.6	29.2	13.2	15.6	19.2	24.7	34.7
16.4	16.9	17.9	18.9	19.5	20.0	21.5	22.5	23.0	24.0	24.5	25.0	25.5	26.5		9.00	13.20	9.88	11.6	14.1	18.0	24.6	11.2	13.2	16.2	20.9	29.5
			15.2	15.7	16.2	17.7	18.7	19.2	20.2	20.7	21.2	21.7	22.7		10.90	16.00	12.8	15.1	18.4	23.2	31.3	14.2	16.7	20.6	26.4	37.0
21.7	22.2	23.2	24.2	24.7	25.2	26.7	27.7	28.2	29.2	29.8	30.3	30.8	31.8		*6.30	9.25						6.80	8.01	9.84	12.7	18.0
18.4	18.9	19.9	20.9	21.4	21.9	23.4	24.4	24.9	25.9	26.4	26.9	27.4	28.4		8.00	11.80	8.30	9.73	11.9	15.1	20.8	9.57	11.3	13.9	17.9	25.4
17.4	17.9	18.9	19.9	20.4	20.9	22.4	23.4	23.9	24.9	25.4	25.9	26.4	27.4		8.50	12.50	9.09	10.7	13.0	16.5	22.7	10.4	12.2	15.1	19.4	27.5
															16.00	23.60	20.4	23.9	28.9	35.9	†	22.0	25.9	31.7	40.2	†
									16.7	17.2	17.7	18.2	19.2		12.50	18.70	15.3	17.9	21.8	27.5	36.2	16.7	19.7	24.1	30.9	42.9
19.1	19.6	20.6	21.7	22.2	22.7	24.2	25.2	25.7	26.7	27.2	27.7	28.2	29.2		7.50	11.30	7.50	8.79	10.7	13.6	18.8	8.76	10.3	12.7	16.4	23.3
15.6	16.1	17.1	18.1	18.6	19.1	20.6	21.6	22.1	23.1	23.6	24.1	24.6	25.6		9.25	14.00	10.3	12.0	14.7	18.7	25.5	11.6	13.7	16.8	21.6	30.6
															14.00	21.20	17.5	20.5	24.9	31.2	40.3	19.0	22.4	27.4	35.0	48.0
25.3	25.8	26.8	27.8	28.3	28.8	30.3	31.3	31.8	32.8	33.3	33.8	34.3	35.3		*4.40	*6.70						3.64	4.26	5.20	6.64	9.35
22.2	22.7	23.7	24.7	25.2	25.8	27.3	28.3	28.8	29.8	30.3	30.8	31.3	32.3		*5.90	9.00						6.14	7.23	8.87	11.4	16.2
24.7	25.2	26.2	27.2	27.7	28.2	29.7	30.7	31.2	32.2	32.7	33.2	33.7	34.7		*4.65	7.10						4.06	4.76	5.82	7.45	10.5
24.2	24.7	25.7	26.7	27.2	27.7	29.2	30.2	30.7	31.7	32.2	32.7	33.2	34.2		*4.90	7.50						4.48	5.26	6.43	8.25	11.7
19.8	20.3	21.3	22.3	22.8	23.3	24.8	25.8	26.3	27.3	27.8	28.3	28.8	29.8		7.10	10.90	6.86	8.03	9.79	12.4	17.1	8.11	9.56	11.8	15.1	21.5
14.3	14.8	15.8	16.9	17.4	17.9	19.4	20.4	20.9	21.9	22.4	22.9	23.4	24.4		9.75	15.00	11.1	13.0	15.8	20.1	27.3	12.4	14.6	17.9	23.1	32.6
23.6	24.1	25.1	26.1	26.6	27.1	28.6	29.6	30.1	31.1	31.6	32.1	32.6	33.6		*5.20	8.00						4.98	5.85	7.17	9.21	13.1
20.6	21.1	22.1	23.1	23.6	24.1	25.6	26.6	27.1	28.1	28.6	29.1	29.6	30.6		*6.70	10.30						7.46	8.78	10.8	13.9	19.8
23.0	23.5	24.5	25.5	26.0	26.5	28.0	29.0	29.5	30.5	31.0	31.5	32.0	33.0		*5.50	8.50						5.48	6.44	7.90	10.2	14.4
21.3	21.8	22.8	23.8	24.3	24.8	26.3	27.3	27.8	28.8	29.3	29.8	30.3	31.3		*6.30	9.75						6.80	8.01	9.84	12.7	18.0
16.8	17.3	18.3	19.3	19.8	20.3	21.8	22.8	23.3	24.3	24.8	25.3	25.8	26.9		8.50	13.20	9.09	10.7	13.0	16.5	22.7	10.4	12.2	15.1	19.4	27.5
15.7	16.2	17.3	18.3	18.8	19.3	20.8	21.8	22.3	23.3	23.8	24.3	24.8	25.8		9.00	14.00	9.88	11.6	14.1	18.0	24.6	11.2	13.2	16.2	20.9	29.5
		14.6	15.6	16.1	16.6	18.1	19.1	19.6	20.6	21.2	21.7	22.2	23.2		10.30	16.00	11.9	14.0	17.0	21.6	29.2	13.2	15.6	19.2	24.7	34.7
17.8	18.3	19.3	20.3	20.8	21.3	22.8	23.8	24.3	25.3	25.8	26.3	26.8	27.8		8.00	12.50	8.36	9.80	12.0	15.2	21.0	9.62	11.3	14.0	18.0	25.5
22.0	22.5	23.5	24.5	25.0	25.5	27.0	28.1	28.6	29.6	30.1	30.6	31.1	32.1		*5.90	9.25						6.19	7.28	8.94	11.5	16.4
18.7	19.2	20.2	21.2	21.7	22.2	23.7	24.7	25.3	26.3	26.8	27.3	27.8	28.8		7.50	11.80	7.56	8.86	10.8	13.8	19.0	8.81	10.4	12.8	16.5	23.4
															15.00	23.60	19.1	22.3	27.0	33.7	†42.8	20.6	24.2	29.6	37.8	†51.3

Key to correction factors: 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



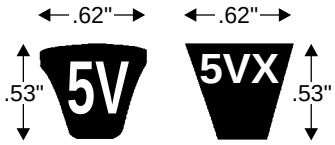
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																							
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5V 5VX 900		5V 5VX 930		5V 5VX 950		5V 5VX 960		5V 5VX 1000		5V 5VX 1030		5V 5VX 1060		5V 5VX 1080		5V 5VX 1120		5V 5VX 1150		5V 5VX 1180		5V 5VX 1230		5V 5VX 1250	5V 5VX 1320	5V 5VX 1400	5V 5VX 1500	5V 5VX 1600	5V 5VX 1700
426	511	644	859	1296	*4.40	*5.90	1.35	36.9	38.4	39.4	39.9	41.9	43.4	44.9	45.9	47.9	49.4	50.9	53.4	54.4	57.9	61.9	66.9	71.9	76.9
426	511	644	859	1296	*6.30	8.50	1.35	33.4	34.9	35.9	36.4	38.4	39.9	41.4	42.4	44.4	45.9	47.4	49.9	50.9	54.4	58.4	63.4	68.4	73.4
426	511	644	859	1296	*6.70	9.00	1.35	32.6	34.1	35.2	35.7	37.7	39.2	40.7	41.7	43.7	45.2	46.7	49.2	50.2	53.7	57.7	62.7	67.7	72.7
423	507	640	853	1287	*4.65	*6.30	1.36	36.4	37.9	38.9	39.4	41.4	42.9	44.4	45.4	47.4	48.9	50.4	52.9	53.9	57.4	61.4	66.4	71.4	76.4
423	507	640	853	1287	*5.90	8.00	1.36	34.1	35.6	36.6	37.1	39.1	40.6	42.1	43.1	45.1	46.6	48.1	50.6	51.6	55.1	59.1	64.1	69.1	74.1
423	507	640	853	1287	9.25	12.50	1.36	27.9	29.4	30.4	30.9	32.9	34.4	35.9	36.9	38.9	40.4	41.9	44.4	45.4	48.9	52.9	57.9	62.9	67.9
423	507	640	853	1287	9.75	13.20	1.36	26.9	28.4	29.4	29.9	31.9	33.4	34.9	35.9	37.9	39.4	40.9	43.4	44.4	47.9	51.9	56.9	62.0	67.0
423	507	640	853	1287	10.30	14.00	1.36	25.8	27.4	28.4	28.9	30.9	32.4	33.9	34.9	36.9	38.4	39.9	42.4	43.4	46.9	50.9	55.9	60.9	65.9
423	507	640	853	1287	11.80	16.00	1.36	23.1	24.6	25.6	26.1	28.1	29.6	31.1	32.1	34.1	35.6	37.1	39.6	40.6	44.1	48.1	53.1	58.1	63.1
420	504	635	847	1277	*4.90	*6.70	1.37	35.9	37.4	38.4	38.9	40.9	42.4	43.9	44.9	46.9	48.4	49.9	52.4	53.4	56.9	60.9	65.9	70.9	75.9
420	504	635	847	1277	*5.20	7.10	1.37	35.3	36.8	37.8	38.3	40.3	41.8	43.3	44.3	46.3	47.8	49.3	51.8	52.8	56.3	60.3	65.3	70.3	75.3
420	504	635	847	1277	*5.50	7.50	1.37	34.8	36.3	37.3	37.8	39.8	41.3	42.8	43.8	45.8	47.3	48.8	51.3	52.3	55.8	59.8	64.8	69.8	74.8
420	504	635	847	1277	8.00	10.90	1.37	30.1	31.6	32.6	33.1	35.1	36.6	38.1	39.1	41.1	42.6	44.1	46.6	47.6	51.1	55.1	60.1	65.1	70.1
417	500	630	841	1268	7.10	9.75	1.38	31.7	33.2	34.2	34.7	36.7	38.2	39.7	40.7	42.7	44.2	45.7	48.2	49.2	52.7	56.8	61.8	66.8	71.8
417	500	630	841	1268	7.50	10.30	1.38	31.0	32.5	33.5	34.0	36.0	37.5	39.0	40.0	42.0	43.5	45.0	47.5	48.5	52.0	56.0	61.0	66.0	71.0
417	500	630	841	1268	10.90	15.00	1.38	24.6	26.1	27.1	27.6	29.6	31.1	32.6	33.6	35.6	37.1	38.6	41.1	42.1	45.6	49.6	54.6	59.6	64.6
414	496	626	835	1259	*6.70	9.25	1.39	32.4	33.9	34.9	35.4	37.5	39.0	40.5	41.5	43.5	45.0	46.5	49.0	50.0	53.5	57.5	62.5	67.5	72.5
414	496	626	835	1259	8.50	11.80	1.39	29.0	30.5	31.5	32.0	34.0	35.5	37.0	38.0	40.0	41.5	43.0	45.5	46.5	50.0	54.0	59.0	64.0	69.0
414	496	626	835	1259	9.00	12.50	1.39	28.1	29.6	30.6	31.1	33.1	34.6	36.1	37.1	39.1	40.6	42.1	44.6	45.6	49.1	53.1	58.1	63.1	68.1
405	486	613	817	1232	8.00	11.30	1.42	29.8	31.3	32.3	32.8	34.8	36.3	37.8	38.8	40.8	42.3	43.8	46.3	47.3	50.8	54.8	59.8	64.8	69.8
405	486	613	817	1232	11.30	16.00	1.42	23.4	24.9	26.0	26.5	28.5	30.0	31.5	32.5	34.5	36.0	37.5	40.0	41.0	44.5	48.5	53.5	58.5	63.5
405	486	613	817	1232	13.20	18.70	1.42	19.8	21.3	22.3	22.8	24.8	26.3	27.8	28.8	30.8	32.3	33.8	36.3	37.3	40.9	44.9	49.9	54.9	59.9
405	486	613	817	1232	15.00	21.20	1.42				19.3	21.3	22.9	24.4	25.4	27.4	28.9	30.4	32.9	33.9	37.4	41.5	46.5	51.5	56.5
402	483	608	811	1224	9.25	13.20	1.43	27.3	28.8	29.8	30.3	32.3	33.8	35.3	36.3	38.3	39.8	41.3	43.8	44.8	48.3	52.3	57.3	62.3	67.3
399	479	604	806	1215	*4.40	*6.30	1.44	36.6	38.1	39.1	39.6	41.6	43.1	44.6	45.6	47.6	49.1	50.6	53.1	54.1	57.6	61.6	66.6	71.6	76.6
399	479	604	806	1215	*6.30	9.00	1.44	33.0	34.5	35.5	36.0	38.0	39.5	41.0	42.0	44.0	45.5	47.0	49.5	50.5	54.0	58.0	63.0	68.0	73.0
399	479	604	806	1215	9.75	14.00	1.44	26.3	27.8	28.8	29.3	31.3	32.8	34.3	35.3	37.3	38.8	40.3	42.8	43.8	47.3	51.3	56.3	61.3	66.3
397	476	600	800	1207	*4.65	*6.70	1.45	36.1	37.6	38.6	39.1	41.1	42.6	44.1	45.1	47.1	48.6	50.1	52.6	53.6	57.1	61.1	66.1	71.1	76.1
397	476	600	800	1207	*5.20	7.50	1.45	35.0	36.5	37.5	38.0	40.0	41.5	43.0	44.0	46.0	47.5	49.0	51.5	52.5	56.0	60.0	65.0	70.0	75.0
397	476	600	800	1207	*5.90	8.50	1.45	33.7	35.2	36.2	36.7	38.7	40.2	41.7	42.7	44.7	46.2	47.7	50.2	51.2	54.7	58.7	63.7	68.7	73.7
394	473	596	795	1199	*4.90	7.10	1.46	35.6	37.1	38.1	38.6	40.6	42.1	43.6	44.6	46.6	48.1	49.6	52.1	53.1	56.6	60.6	65.6	70.6	75.6
394	473	596	795	1199	*5.50	8.00	1.46	34.4	35.9	36.9	37.4	39.4	40.9	42.4	43.4	45.4	46.9	48.4	50.9	51.9	55.4	59.4	64.4	69.4	74.4
394	473	596	795	1199	*6.70	9.75	1.46	32.0	33.5	34.5	35.0	37.0	38.6	40.1	41.1	43.1	44.6	46.1	48.6	49.6	53.1	57.1	62.1	67.1	72.1
394	473	596	795	1199	7.10	10.30	1.46	31.3	32.8	33.8	34.3	36.3	37.8	39.3	40.3	42.3	43.8	45.3	47.8	48.8	52.3	56.3	61.3	66.3	71.3
394	473	596	795	1199	7.50	10.90	1.46	30.5	32.0	33.0	33.5	35.5	37.0	38.5	39.5	41.5	43.0	44.5	47.0	48.0	51.5	55.5	60.5	65.5	70.5
394	473	596	795	1199	10.30	15.00	1.46	25.0	26.5	27.5	28.0	30.0	31.5	33.0	34.0	36.1	37.6	39.1	41.6	42.6	46.1	50.1	55.1	60.1	65.1
391	469	592	789	1190	9.00	13.20	1.47	27.5	29.0	30.0	30.5	32.5	34.0	35.5	36.5	38.5	40.0	41.5	44.0	45.0	48.5	52.5	57.5	62.5	67.5
391	469	592	789	1190	10.90	16.00	1.47	23.7	25.2	26.2	26.8	28.8	30.3	31.8	32.8	34.8	36.3	37.8	40.3	41.3	44.8	48.8	53.8	58.8	63.8
389	466	588	784	1182	*6.30	9.25	1.48	32.8	34.3	35.3	35.8	37.8	39.3	40.8	41.8	43.8	45.3	46.8	49.3	50.3	53.8	57.8	62.8	67.8	72.8
389	466	588	784	1182	8.00	11.80	1.48	29.4	30.9	31.9	32.4	34.4	35.9	37.4	38.4	40.4	41.9	43.4	45.9	46.9	50.4	54.4	59.4	64.4	69.4
389	466	588	784	1182	8.50	12.50	1.48	28.4	29.9	30.9	31.4	33.4	34.9	36.5	37.5	39.5	41.0	42.5	45.0	46.0	49.5	53.5	58.5	63.5	68.5
389	466	588	784	1182	16.00	23.60	1.48							21.6	22.6	24.6	26.1	27.6	30.2	31.2	34.7	38.7	43.7	48.8	53.8
383	460	580	773	1167	12.50	18.70	1.50	20.3	21.8	22.8	23.3	25.3	26.8	28.3	29.3	31.3	32.8	34.4	36.9	37.9	41.4	45.4	50.4	55.4	60.4
381	457	576	768	1159	7.50	11.30	1.51	30.2	31.7	32.7	33.2	35.2	36.7	38.2	39.2	41.2	42.7	44.2	46.7	47.7	51.2	55.2	60.2	65.2	70.2
378	454	572	763	1151	9.25	14.00	1.52	26.6	28.1	29.1	29.6	31.7	33.2	34.7	35.7	37.7	39.2	40.7	43.2	44.2	47.7	51.7	56.7	61.7	66.7
378	454	572	763	1151	14.00	21.20	1.52			19.5	20.0	22.1	23.6	25.1	26.1	28.1	29.6	31.1	33.7	34.7	38.2	42.2	47.2	52.2	57.2
376	451	569	758	1144	*4.40	*6.70	1.53	36.3	37.8	38.8	39.3	41.3	42.8	44.3	45.3	47.3	48.8	50.3	52.8	53.8	57.3	61.3	66.3	71.3	76.3
376	451	569	758	1144	*5.90	9.00	1.53	33.3	34.8	35.8	36.3	38.3	39.8	41.3	42.3	44.3	45.8	47.3	49.8	50.8	54.3	58.3	63.3	68.3	73.3
373	448	565	753	1136	*4.65	7.10	1.54	35.8	37.3	38.3	38.8	40.8	42.3	43.8	44.8	46.8	48.3	49.8	52.3	53.3	56.8	60.8	65.8	70.8	75.8
373	448	565	753	1136	*4.90	7.50	1.54	35.2	36.7	37.7	38.2	40.2	41.7	43.2	44.2	46.2	47.7	49.2	51.7	52.7	56.2	60.2	65.2	70.2	75.2
373	448	565	753	1136	7.10	10.90	1.54	30.8	32.3	33.3	33.8	35.8	37.3	38.8	39.8	41.8	43.3	44.8	47.3	48.3	51.8	55.8	60.8	65.8	70.8
373	448	565	753	1136	9.75	15.00	1.54	25.4	26.9	27.9	28.4	30.4	32.0	33.5	34.5	36.5	38.0	39.5	42.0	43.0	46.5	50.5	55.5	60.5	65.5
371	445	561	748	1129	*5.20	8.00	1.55	34.6	36.1	37.1	37.6	39.6	41.1	42.6	43.6	45.6	47.1	48.6	51.1	52.1	55.6	59.6	64.6	69.6	74.6
371	445	561	748	1129	*6.70	10.30	1.55	31.6	33.1	34.1	34.6	36.6	38.1	39.6	40.6	42.6	44.1	45.6	48.1	49.1	52.6	56.6	61.6	66.6	71.6
369	442	558	744	1122	*5.50	8.50	1.56	34.0	35.5	36.5	37.0	39.0	40.5	42.0	43.0	45.0	46.5	48.0	50.5	51.5	55.0	59.0	64.0	69.0	74.0
369	442	558	744	1122	*6.30	9.75	1.56	32.3	33.9	34.9	35.4	37.4	38.9	40.4	41.4	43.4	44.9	46.4	48.9	49.9	53.4	57.4	62.4	67.4	72.4
369	442	558	744	1122	8.50	13.20	1.56	27.9	29.4	30.4	30.9	32.9	34.4	35.9	36.9	38.9	40.4	41.9	44.4	45.4	48.9	52.9	57.9	62.9	67.9
369	442	558	744	1122	9.00	14.00	1.56	26.8	28.3	29.3	29.8	31.8	33.3	34.8	35.8	37.9	39.4	40.9	43.4	44.4	47.9	51.9	56.9	61.9	66.9
369	442	558	744	1122	10.30	16.00	1.56	24.2	25.7	26.7	27.2	29.2	30.7	32.2	33.2	35.2	36.7	38.2	40.7	41.7	45.3	49.3	54.3	59.3	64.3
366	439	554	739	1115	8.00	12.50	1.57	28.8	30.3	31.3	31.8	33.8	35.3	36.8	37.8	39.8	41.3	42.8	45.3	46.3	49.8	53.9	58.9	63.9	68.9
364	437	551	734	1108	*5.90	9.25	1.58	33.1	34.6	35.6	36.1	38.1	39.6	41.1	42.1	44.1	45.6	47.1	49.6	50.6	54.1	58.1	63.1	68.1	73.1
364	437	551	734	1108	7.50	11.80	1.58	29.8	31.3	32.3	32.8	34.8	36.3	37.8	38.8	40.8	42.3	43.8	46.3	47.3	50.8	54.8	59.8	64.8	69.8
364	437	551	734	1108	15.00	23.60	1.58						20.7	22.3	23.3	25.3	26.8	28.4	30.9	31.9	35.4	39.4	44.5	49.5	54.5

Key to correction factors: 0.9 1.0 1.1

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

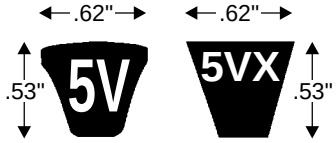


V-Belt No. and Center Distance														Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																Super HC					Super HC Molded Notch				
																RPM of Small Sheave					RPM of Small Sheave				
5V 5VX 1800	5V 5VX 1900	5V 5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
81.9	86.9	91.9												*4.40	*5.90						3.64	4.26	5.20	6.64	9.35
78.4	83.4	88.4												*6.30	8.50						6.80	8.01	9.84	12.7	18.0
77.7	82.7	87.7												*6.70	9.00						7.46	8.78	10.8	13.9	19.8
81.4	86.4	91.4												*4.65	*6.30						4.06	4.76	5.82	7.45	10.5
79.1	84.1	89.1												*5.90	8.00						6.14	7.23	8.87	11.4	16.2
72.9	77.9	82.9	88.9	94.9	100.9	107.9	115.4	122.9	132.9	140.4	150.4	160.4		9.25	12.50	10.2	12.0	14.6	18.5	25.3	11.6	13.7	16.8	21.6	30.6
72.0	77.0	82.0	88.0	94.0	100.0	107.0	114.5	122.0	132.0	139.5	149.5	159.5		9.75	13.20	11.0	12.9	15.7	19.9	27.1	12.4	14.6	17.9	23.1	32.6
70.9	75.9	80.9	86.9	92.9	98.9	105.9	113.4	120.9	130.9	138.4	148.4	158.4		10.30	14.00	11.8	13.9	16.9	21.5	29.0	13.2	15.6	19.2	24.7	34.7
68.1	73.1	78.1	84.1	90.1	96.1	103.1	110.6	118.1	128.1	135.6	145.7	155.7		11.80	16.00	14.1	16.6	20.2	25.5	33.9	15.6	18.4	22.6	29.0	40.4
80.9	85.9	90.9												*4.90	*6.70						4.48	5.26	6.43	8.25	11.7
80.3	85.3	90.3												*5.20	7.10						4.98	5.85	7.17	9.21	13.1
79.8	84.8	89.8												*5.50	7.50						5.48	6.44	7.90	10.2	14.4
75.1	80.1	85.1	91.1	97.1	103.1	110.1	117.6	125.1	135.1	142.6	152.6	162.6		8.00	10.90	8.22	9.64	11.8	14.9	20.5	9.57	11.3	13.9	17.9	25.4
76.8	81.8	86.8	92.8	98.8	104.8	111.8	119.3	126.8	136.8	144.3	154.3	164.3		7.10	9.75	6.86	8.03	9.79	12.4	17.1	8.11	9.56	11.8	15.1	21.5
76.0	81.0	86.0	92.0	98.0	104.0	111.0	118.5	126.0	136.0	143.5	153.5	163.5		7.50	10.30	7.50	8.79	10.7	13.6	18.8	8.76	10.3	12.7	16.4	23.3
69.6	74.6	79.6	85.6	91.6	97.6	104.6	112.1	119.6	129.6	137.1	147.1	157.1		10.90	15.00	12.8	15.1	18.4	23.2	31.3	14.2	16.7	20.6	26.4	37.0
77.5	82.5	87.5												*6.70	9.25						7.46	8.78	10.8	13.9	19.8
74.0	79.0	84.0	90.0	96.0	102.0	109.0	116.5	124.0	134.0	141.5	151.5	161.5		8.50	11.80	9.09	10.7	13.0	16.5	22.7	10.4	12.2	15.1	19.4	27.5
73.1	78.1	83.1	89.1	95.1	101.1	108.1	115.6	123.1	133.1	140.6	150.6	160.6		9.00	12.50	9.88	11.6	14.1	18.0	24.6	11.2	13.2	16.2	20.9	29.5
74.8	79.8	84.8	90.8	96.8	102.8	109.8	117.3	124.8	134.8	142.3	152.3	162.3		8.00	11.30	8.30	9.73	11.9	15.1	20.8	9.57	11.3	13.9	17.9	25.4
68.5	73.5	78.5	84.5	90.5	96.5	103.5	111.0	118.5	128.5	136.0	146.0	156.0		11.30	16.00	13.4	15.8	19.2	24.3	32.6	14.8	17.5	21.5	27.6	38.5
64.9	69.9	74.9	80.9	86.9	92.9	99.9	107.4	114.9	124.9	132.4	142.4	152.4		13.20	18.70	16.3	19.1	23.3	29.2	38.2	17.8	20.9	25.7	32.9	45.3
61.5	66.5	71.5	77.5	83.5	89.5	96.5	104.0	111.5	121.5	129.0	139.0	149.0		15.00	21.20	19.0	22.2	26.9	33.6	†42.6	20.5	24.1	29.6	37.7	†51.2
72.3	77.3	82.3	88.3	94.3	100.3	107.3	114.9	122.4	132.4	139.9	149.9	159.9		9.25	13.20	10.3	12.0	14.7	18.7	25.5	11.6	13.7	16.8	21.6	30.6
81.6	86.6	91.6												*4.40	*6.30						3.64	4.26	5.20	6.64	9.35
78.0	83.0	88.0												*6.30	9.00						6.80	8.01	9.84	12.7	18.0
71.3	76.3	81.3	87.3	93.3	99.3	106.3	113.8	121.3	131.3	138.8	148.8	158.8		9.75	14.00	11.1	13.0	15.8	20.1	27.3	12.4	14.6	17.9	23.1	32.6
81.1	86.1	91.1												*4.65	*6.70						4.06	4.76	5.82	7.45	10.5
80.0	85.0	90.0												*5.20	7.50						4.98	5.85	7.17	9.21	13.1
78.7	83.7	88.7												*5.90	8.50						6.14	7.23	8.87	11.4	16.2
80.6	85.6	90.6												*4.90	7.10						4.48	5.26	6.43	8.25	11.7
79.4	84.4	89.4												*5.50	8.00						5.48	6.44	7.90	10.2	14.4
77.1	82.1	87.1												*6.70	9.75						7.46	8.78	10.8	13.9	19.8
76.3	81.3	86.3	92.3	98.3	104.3	111.3	118.8	126.3	136.3	143.8	153.8	163.8		7.10	10.30	6.86	8.03	9.79	12.4	17.1	8.11	9.56	11.8	15.1	21.5
75.5	80.5	85.5	91.5	97.5	103.5	110.5	118.0	125.5	135.5	143.0	153.0	163.0		7.50	10.90	7.50	8.79	10.7	13.6	18.8	8.76	10.3	12.7	16.4	23.3
70.1	75.1	80.1	86.1	92.1	98.1	105.1	112.6	120.1	130.1	137.6	147.6	157.6		10.30	15.00	11.9	14.0	17.0	21.6	29.2	13.2	15.6	19.2	24.7	34.7
72.5	77.5	82.5	88.5	94.5	100.5	107.5	115.0	122.5	132.5	140.0	150.0	160.1		9.00	13.20	9.88	11.6	14.1	18.0	24.6	11.2	13.2	16.2	20.9	29.5
68.8	73.8	78.8	84.8	90.8	96.8	103.8	111.3	118.8	128.8	136.3	146.4	156.4		10.90	16.00	12.8	15.1	18.4	23.2	31.3	14.2	16.7	20.6	26.4	37.0
77.8	82.8	87.8												*6.30	9.25						6.80	8.01	9.84	12.7	18.0
74.4	79.4	84.4	90.4	96.4	102.4	109.4	116.9	124.4	134.4	141.9	151.9	161.9		8.00	11.80	8.30	9.73	11.9	15.1	20.8	9.57	11.3	13.9	17.9	25.4
73.5	78.5	83.5	89.5	95.5	101.5	108.5	116.0	123.5	133.5	141.0	151.0	161.0		8.50	12.50	9.09	10.7	13.0	16.5	22.7	10.4	12.2	15.1	19.4	27.5
58.8	63.8	68.8	74.8	80.8	86.8	93.8	101.3	108.8	118.8	126.3	136.3	146.3		16.00	23.60	20.4	23.9	28.9	35.9	†	22.0	25.9	31.7	40.2	†
65.4	70.4	75.4	81.4	87.4	93.4	100.4	108.0	115.5	125.5	133.0	143.0	153.0		12.50	18.70	15.3	17.9	21.8	27.5	36.2	16.7	19.7	24.1	30.9	42.9
75.2	80.2	85.2	91.2	97.2	103.2	110.2	117.7	125.2	135.2	142.7	152.7	162.7		7.50	11.30	7.50	8.79	10.7	13.6	18.8	8.76	10.3	12.7	16.4	23.3
71.7	76.7	81.7	87.7	93.7	99.7	106.7	114.2	121.7	131.7	139.2	149.2	159.2		9.25	14.00	10.3	12.0	14.7	18.7	25.5	11.6	13.7	16.8	21.6	30.6
62.2	67.3	72.3	78.3	84.3	90.3	97.3	104.8	112.3	122.3	129.8	139.8	149.8		14.00	21.20	17.5	20.5	24.9	31.2	40.3	19.0	22.4	27.4	35.0	48.0
81.3	86.3	91.3												*4.40	*6.70						3.64	4.26	5.20	6.64	9.35
78.3	83.3	88.3												*5.90	9.00						6.14	7.23	8.87	11.4	16.2
80.8	85.8	90.8												*4.65	7.10						4.06	4.76	5.82	7.45	10.5
80.3	85.3	90.3												*4.90	7.50						4.48	5.26	6.43	8.25	11.7
75.8	80.8	85.8	91.8	97.8	103.8	110.8	118.3	125.8	135.8	143.4	153.4	163.4		7.10	10.90	6.86	8.03	9.79	12.4	17.1	8.11	9.56	11.8	15.1	21.5
70.5	75.5	80.5	86.5	92.5	98.5	105.5	113.0	120.5	130.5	138.0	148.0	158.0		9.75	15.00	11.1	13.0	15.8	20.1	27.3	12.4	14.6	17.9	23.1	32.6
79.6	84.6	89.6												*5.20	8.00						4.98	5.85	7.17	9.21	13.1
76.6	81.6	86.6												*6.70	10.30						7.46	8.78	10.8	13.9	19.8
79.0	84.0	89.0												*5.50	8.50						5.48	6.44	7.90	10.2	14.4
77.4	82.4	87.4												*6.30	9.75						6.80	8.01	9.84	12.7	18.0
72.9	77.9	82.9	88.9	94.9	100.9	107.9	115.4	122.9	132.9	140.4	150.4	160.4		8.50	13.20	9.09	10.7	13.0	16.5	22.7	10.4	12.2	15.1	19.4	27.5
71.9	76.9	81.9	87.9	93.9	99.9	106.9	114.4	121.9	131.9	139.4	149.4	159.4		9.00	14.00	9.88	11.6	14.1	18.0	24.6	11.2	13.2	16.2	20.9	29.5
69.3	74.3	79.3	85.3	91.3	97.3	104.3	111.8	119.3	129.3	136.8	146.8	156.8		10.30	16.00	11.9	14.0	17.0	21.6	29.2	13.2	15.6	19.2	24.7	34.7
73.9	78.9	83.9	89.9	95.9	101.9	108.9	116.4	123.9	133.9	141.4	151.4	161.4		8.00	12.50	8.36	9.80	12.0	15.2	21.0	9.62	11.3	14.0	18.0	25.5
78.1	83.1	88.1												*5.90	9.25						6.19	7.28	8.94	11.5	16.4
74.8	79.8	84.8	90.8	96.8	102.8	109.8	117.3	124.8	134.8	142.3	152.3	162.3		7.50	11.80	7.56	8.86	10.8	13.8	19.0	8.81	10.4	12.8	16.5	23.4
59.5	64.5	69.6	75.6	81.6	87.6	94.6	102.1	109.6	119.6	127.1	137.1	147.1		15.00	23.60	19.1	22.3	27.0	33.7	†42.8	20.6	24.2	29.6	37.8	†51.3

Key to correction factors: 1.0 1.1 1.2

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



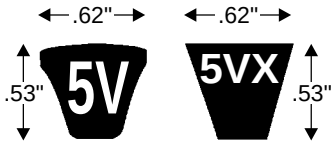
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																				
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5VX 450	5VX 470	5VX 490	5V 5VX 500	5VX 510	5V 5VX 530	5VX 540	5VX 550	5V 5VX 560	5VX 570	5VX 580	5VX 590	5V 5VX 600	5VX 610	5V 5VX 630	5VX 650	5VX 660	5V 5VX 670
362	434	547	730	1101	11.80	18.70	1.59																					
359	431	544	725	1094	7.10	11.30	1.60				10.3	10.8	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.9	17.9	18.4	18.9			
357	429	540	720	1087	13.20	21.20	1.61																					
353	423	534	712	1074	*4.40	7.10	1.63	13.4	14.4	15.4	15.9	16.4	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	22.4	23.4	23.9	24.4			
353	423	534	712	1074	*4.65	7.50	1.63	12.9	13.9	14.9	15.4	15.9	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.9	22.9	23.4	23.9			
353	423	534	712	1074	9.25	15.00	1.63																13.1	13.7	14.2			
351	421	530	707	1067	*6.70	10.90	1.64			10.5	11.0	11.5	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.6	18.6	19.1	19.6			
348	418	527	703	1061	*4.90	8.00	1.65	12.3	13.3	14.3	14.8	15.3	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	21.3	22.3	22.8	23.3			
348	418	527	703	1061	*5.20	8.50	1.65	11.6	12.6	13.6	14.1	14.6	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.7	21.7	22.2	22.7			
348	418	527	703	1061	*5.50	9.00	1.65	11.0	12.0	13.0	13.5	14.0	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	20.0	21.0	21.5	22.0			
348	418	527	703	1061	*6.30	10.30	1.65		10.3	11.3	11.8	12.3	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	18.4	19.4	19.9	20.4			
348	418	527	703	1061	8.50	14.00	1.65														12.5	13.5	14.6	15.1	15.6			
348	418	527	703	1061	9.75	16.00	1.65																					
346	416	524	699	1054	*5.90	9.75	1.66	10.0	11.0	12.1	12.6	13.1	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	19.1	20.1	20.6	21.1			
346	416	524	699	1054	8.00	13.20	1.66										11.6	12.1	12.6	13.1	13.6	14.6	15.6	16.1	16.6			
346	416	524	699	1054	11.30	18.70	1.66																					
344	413	521	695	1048	7.10	11.80	1.67						11.4	11.9	12.4	12.9	13.5	14.0	14.5	15.0	15.5	16.5	17.5	18.0	18.5			
344	413	521	695	1048	9.00	15.00	1.67																13.3	13.8	14.3			
342	411	518	690	1042	7.50	12.50	1.68							11.0	11.5	12.0	12.5	13.1	13.6	14.1	14.6	15.6	16.6	17.1	17.6			
340	408	515	686	1036	*5.50	9.25	1.69	10.8	11.8	12.8	13.3	13.8	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.8	20.8	21.3	21.8			
340	408	515	686	1036	14.00	23.60	1.69																					
338	406	512	682	1029	*6.70	11.30	1.70			10.1	10.6	11.1	12.1	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	17.2	18.2	18.7	19.2			
338	406	512	682	1029	12.50	21.20	1.70																					
334	401	506	674	1017	*4.40	7.50	1.72	13.1	14.1	15.1	15.6	16.1	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	22.1	23.1	23.6	24.1			
334	401	506	674	1017	10.90	18.70	1.72																					
330	397	500	667	1006	*4.65	8.00	1.74	12.5	13.5	14.5	15.0	15.5	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.5	22.5	23.0	23.5			
330	397	500	667	1006	*6.30	10.90	1.74		9.7	10.7	11.3	11.8	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.8	18.9	19.4	19.9			
330	397	500	667	1006	9.25	16.00	1.74																					
329	394	497	663	1000	*4.90	8.50	1.75	11.8	12.8	13.9	14.4	14.9	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.9	21.9	22.4	22.9			
329	394	497	663	1000	*5.20	9.00	1.75	11.2	12.2	13.2	13.7	14.2	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.8	19.3	20.3	21.3	21.8	22.3			
329	394	497	663	1000	16.00	28.00	1.75																					
327	392	494	659	994	*5.90	10.30	1.76	9.5	10.5	11.6	12.1	12.6	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.6	19.7	20.2	20.7			
327	392	494	659	994	8.00	14.00	1.76													12.4	12.9	13.9	14.9	15.4	15.9			
325	390	492	655	989	*6.70	11.80	1.77					10.7	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.3	15.8	16.8	17.8	18.3	18.8			
325	390	492	655	989	7.10	12.50	1.77						10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.4	14.9	15.9	16.9	17.4	17.9			
325	390	492	655	989	7.50	13.20	1.77									11.4	11.9	12.4	12.9	13.4	14.0	15.0	16.0	16.5	17.0			
325	390	492	655	989	8.50	15.00	1.77																13.7	14.2	14.7			
321	385	486	648	978	*5.20	9.25	1.79	11.0	12.0	13.0	13.5	14.0	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	20.0	21.1	21.6	22.1			
321	385	486	648	978	*5.50	9.75	1.79	10.3	11.3	12.3	12.8	13.4	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	19.4	20.4	20.9	21.4			
321	385	486	648	978	9.00	16.00	1.79																					
321	385	486	648	978	13.20	23.60	1.79																					
319	383	483	644	972	11.80	21.20	1.80																					
318	381	481	641	967	*6.30	11.30	1.81			10.4	10.9	11.4	12.4	12.9	13.4	14.0	14.5	15.0	15.5	16.0	16.5	17.5	18.5	19.0	19.5			
316	379	478	637	962	10.30	18.70	1.82																					
313	375	473	630	951	*4.40	8.00	1.84	12.6	13.6	14.7	15.2	15.7	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.7	22.7	23.2	23.7			
311	373	470	627	946	*4.65	8.50	1.85	12.0	13.0	14.0	14.5	15.0	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	21.1	22.1	22.6	23.1			
311	373	470	627	946	*4.90	9.00	1.85	11.4	12.4	13.4	13.9	14.4	15.4	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.5	21.5	22.0	22.5			
309	371	468	624	941	*5.90	10.90	1.86		10.0	11.0	11.5	12.0	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	18.1	19.1	19.6	20.2			
307	369	465	620	936	7.10	13.20	1.87								11.1	11.7	12.2	12.7	13.2	13.7	14.2	15.3	16.3	16.8	17.3			
307	369	465	620	936	15.00	28.00	1.87																					
306	367	463	617	931	*6.70	12.50	1.88						11.0	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	16.2	17.2	17.7	18.2			
306	367	463	617	931	7.50	14.00	1.88												12.2	12.7	13.2	14.2	15.3	15.8	16.3			
306	367	463	617	931	11.30	21.20	1.88																					
304	365	460	614	926	*5.20	9.75	1.89	10.5	11.5	12.6	13.1	13.6	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.6	20.6	21.1	21.6			
304	365	460	614	926	*5.50	10.30	1.89	9.8	10.8	11.8	12.4	12.9	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.9	19.9	20.4	21.0			
304	365	460	614	926	*6.30	11.80	1.89				10.4	10.9	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	17.1	18.1	18.6	19.1			
304	365	460	614	926	8.00	15.00	1.89															13.0	14.0	14.5	15.0			
304	365	460	614	926	8.50	16.00	1.89																		13.7			
303	363	458	611	921	12.50	23.60	1.90																					
301	361	455	607	916	*4.90	9.25	1.91	11.2	12.2	13.2	13.7	14.2	15.2	15.7	16.2	16.7	17.2	17.8	18.3	18.8	19.3	20.3	21.3	21.8	22.3			
298	358	451	601	907	*5.90	11.30	1.93		9.6	10.6	11.2	11.7	12.7	13.2	13.7	14.2	14.7	15.3	15.8	16.3	16.8	17.8	18.8	19.3	19.8			
298	358	451	601	907	9.75	18.70	1.93																					
295	354	446	595	897	*4.40	8.50	1.95	12.2	13.2	14.2	14.7	15.2	16.2	16.7	17.2	17.7	18.3	18.8	19.3	19.8	20.3	21.3	22.3	22.8	23.3			

Key to correction factors: 0.8 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

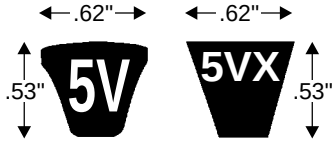


V-Belt No. and Center Distance															Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																	Super HC					Super HC Molded Notch				
																	RPM of Small Sheave					RPM of Small Sheave				
5VX 680	5VX 690	5V 5VX 710	5VX 730	5VX 740	5V 5VX 750	5VX 780	5V 5VX 800	5VX 810	5VX 830	5VX 840	5V 5VX 850	5VX 860	5VX 880		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
									17.2	17.7	18.2	18.7	19.7		11.80	18.70	14.3	16.7	20.4	25.8	34.3	15.6	18.4	22.7	29.1	41.7
19.4	19.9	20.9	21.9	22.5	23.0	24.5	25.5	26.0	27.0	27.5	28.0	28.5	29.5		7.10	11.30	6.92	8.10	9.88	12.6	17.3	8.16	9.61	11.8	15.2	21.7
															13.20	21.20	16.4	19.2	23.4	29.4	38.4	17.8	21.0	25.8	33.0	45.5
24.9	25.4	26.4	27.4	27.9	28.4	29.9	30.9	31.4	32.4	32.9	33.4	33.9	34.9		*4.40	7.10						3.68	4.31	5.27	6.73	9.49
24.4	24.9	25.9	26.9	27.4	27.9	29.4	30.4	30.9	31.9	32.4	32.9	33.4	34.4		*4.65	7.50						4.10	4.81	5.89	7.54	10.7
14.7	15.2	16.2	17.2	17.7	18.2	19.7	20.8	21.3	22.3	22.8	23.3	23.8	24.8		9.25	15.00	10.3	12.1	14.8	18.8	25.7	11.6	13.7	16.9	21.7	30.7
20.1	20.6	21.6	22.6	23.1	23.6	25.1	26.1	26.6	27.6	28.1	28.6	29.1	30.1		*6.70	10.90						7.51	8.84	10.9	14.0	19.9
23.8	24.3	25.3	26.3	26.8	27.3	28.8	29.8	30.3	31.3	31.8	32.3	32.8	33.8		*4.90	8.00						4.52	5.31	6.50	8.34	11.8
23.2	23.7	24.7	25.7	26.2	26.7	28.2	29.2	29.7	30.7	31.2	31.7	32.2	33.2		*5.20	8.50						5.03	5.90	7.24	9.30	13.2
22.5	23.0	24.0	25.1	25.6	26.1	27.6	28.6	29.1	30.1	30.6	31.1	31.6	32.6		*5.50	9.00						5.53	6.50	7.97	10.3	14.6
20.9	21.4	22.4	23.4	23.9	24.4	25.9	26.9	27.4	28.4	28.9	29.4	29.9	30.9		*6.30	10.30						6.85	8.06	9.91	12.8	18.2
16.1	16.6	17.6	18.6	19.1	19.6	21.1	22.2	22.7	23.7	24.2	24.7	25.2	26.2		8.50	14.00	9.15	10.7	13.1	16.7	22.9	10.4	12.3	15.1	19.5	27.6
	13.9	14.9	16.0	16.5	17.0	18.5	19.5	20.0	21.0	21.5	22.1	22.6	23.6		9.75	16.00	11.1	13.0	15.9	20.2	27.5	12.4	14.6	18.0	23.2	32.7
21.6	22.1	23.1	24.1	24.6	25.1	26.6	27.6	28.1	29.1	29.6	30.1	30.6	31.6		*5.90	9.75						6.19	7.28	8.94	11.5	16.4
17.2	17.7	18.7	19.7	20.2	20.7	22.2	23.2	23.7	24.7	25.2	25.7	26.2	27.2		8.00	13.20	8.36	9.80	12.0	15.2	21.0	9.62	11.3	14.0	18.0	25.5
							16.0	16.5	17.5	18.1	18.6	19.1	20.1		11.30	18.70	13.5	15.8	19.3	24.4	32.8	14.9	17.5	21.5	27.7	38.7
19.0	19.5	20.5	21.5	22.0	22.5	24.0	25.0	25.5	26.6	27.1	27.6	28.1	29.1		7.10	11.80	6.92	8.10	9.88	12.6	17.3	8.16	9.61	11.8	15.2	21.7
14.8	15.4	16.4	17.4	17.9	18.4	19.9	20.9	21.4	22.4	23.0	23.5	24.0	25.0		9.00	15.00	9.94	11.7	14.2	18.1	24.8	11.2	13.2	16.3	21.0	29.7
18.1	18.6	19.6	20.6	21.1	21.6	23.2	24.2	24.7	25.7	26.2	26.7	27.2	28.2		7.50	12.50	7.56	8.86	10.8	13.8	19.0	8.81	10.4	12.8	16.5	23.4
22.3	22.8	23.8	24.8	25.3	25.8	27.4	28.4	28.9	29.9	30.4	30.9	31.4	32.4		*5.50	9.25						5.53	6.50	7.97	10.3	14.6
															14.00	23.60	17.6	20.6	25.0	31.3	40.5	19.0	22.4	27.5	35.1	48.2
19.7	20.2	21.2	22.2	22.7	23.2	24.8	25.8	26.3	27.3	27.8	28.3	28.8	29.8		*6.70	11.30						7.51	8.84	10.9	14.0	19.9
															12.50	21.20	15.3	18.0	21.9	27.6	36.4	16.7	19.7	24.2	31.0	43.0
24.6	25.1	26.1	27.1	27.6	28.1	29.6	30.6	31.1	32.1	32.6	33.1	33.6	34.6		*4.40	7.50						3.68	4.31	5.27	6.73	9.49
							16.3	16.8	17.8	18.3	18.8	19.4	20.4		10.90	18.70	12.9	15.1	18.5	23.4	31.5	14.2	16.8	20.6	26.5	37.2
24.0	24.5	25.5	26.5	27.0	27.5	29.0	30.0	30.5	31.5	32.0	32.5	33.0	34.0		*4.65	8.00						4.10	4.81	5.89	7.54	10.7
20.4	20.9	21.9	22.9	23.4	23.9	25.4	26.4	26.9	27.9	28.4	28.9	29.4	30.4		*6.30	10.90						6.85	8.06	9.91	12.8	18.2
13.8	14.3	15.3	16.3	16.8	17.3	18.9	19.9	20.4	21.4	21.9	22.4	22.9	23.9		9.25	16.00	10.3	12.1	14.8	18.8	25.7	11.6	13.7	16.9	21.7	30.7
23.4	23.9	24.9	25.9	26.4	26.9	28.4	29.4	29.9	30.9	31.4	31.9	32.4	33.4		*4.90	8.50						4.52	5.31	6.50	8.34	11.8
22.8	23.3	24.3	25.3	25.8	26.3	27.8	28.8	29.3	30.3	30.8	31.3	31.8	32.8		*5.20	9.00						5.03	5.90	7.24	9.30	13.2
															16.00	28.00	20.5	24.0	29.0	36.0	†	22.1	25.9	31.8	40.3	†
21.2	21.7	22.7	23.7	24.2	24.7	26.2	27.2	27.7	28.7	29.2	29.7	30.2	31.2		*5.90	10.30						6.19	7.28	8.94	11.5	16.4
16.4	17.0	18.0	19.0	19.5	20.0	21.5	22.5	23.0	24.0	24.5	25.0	25.5	26.6		8.00	14.00	8.36	9.80	12.0	15.2	21.0	9.62	11.3	14.0	18.0	25.5
19.3	19.8	20.8	21.8	22.3	22.8	24.3	25.3	25.8	26.8	27.4	27.9	28.4	29.4		*6.70	11.80						7.51	8.84	10.9	14.0	19.9
18.4	18.9	19.9	20.9	21.4	21.9	23.5	24.5	25.0	26.0	26.5	27.0	27.5	28.5		7.10	12.50	6.92	8.10	9.88	12.6	17.3	8.16	9.61	11.8	15.2	21.7
17.5	18.0	19.0	20.0	20.5	21.0	22.6	23.6	24.1	25.1	25.6	26.1	26.6	27.6		7.50	13.20	7.56	8.86	10.8	13.8	19.0	8.81	10.4	12.8	16.5	23.4
15.2	15.7	16.7	17.7	18.3	18.8	20.3	21.3	21.8	22.8	23.3	23.8	24.3	25.3		8.50	15.00	9.15	10.7	13.1	16.7	22.9	10.4	12.3	15.1	19.5	27.6
22.6	23.1	24.1	25.1	25.6	26.1	27.6	28.6	29.1	30.1	30.6	31.1	31.6	32.6		*5.20	9.25						5.03	5.90	7.24	9.30	13.2
21.9	22.4	23.4	24.4	24.9	25.4	26.9	27.9	28.4	29.4	29.9	30.4	30.9	32.0		*5.50	9.75						5.53	6.50	7.97	10.3	14.6
13.9	14.4	15.5	16.5	17.0	17.5	19.0	20.1	20.6	21.6	22.1	22.6	23.1	24.1		9.00	16.00	9.94	11.7	14.2	18.1	24.8	11.2	13.2	16.3	21.0	29.7
															13.20	23.60	16.4	19.2	23.4	29.4	38.4	17.8	21.0	25.8	33.0	45.5
															11.80	21.20	14.3	16.7	20.4	25.8	34.3	15.6	18.4	22.7	29.1	40.5
20.0	20.5	21.5	22.5	23.0	23.5	25.1	26.1	26.6	27.6	28.1	28.6	29.1	30.1		*6.30	11.30						6.85	8.06	9.91	12.8	18.2
						15.7	16.7	17.2	18.2	18.8	19.3	19.8	20.8		10.30	18.70	12.0	14.0	17.1	21.7	29.4	13.3	15.7	19.3	24.8	34.9
24.2	24.7	25.7	26.7	27.2	27.7	29.2	30.2	30.7	31.7	32.2	32.7	33.2	34.2		*4.40	8.00						3.68	4.31	5.27	6.73	9.49
23.6	24.1	25.1	26.1	26.6	27.1	28.6	29.6	30.1	31.1	31.6	32.1	32.6	33.6		*4.65	8.50						4.10	4.81	5.89	7.54	10.7
23.0	23.5	24.5	25.5	26.0	26.5	28.0	29.0	29.5	30.5	31.0	31.5	32.0	33.0		*4.90	9.00						4.52	5.31	6.50	8.34	11.8
20.7	21.2	22.2	23.2	23.7	24.2	25.7	26.7	27.2	28.2	28.7	29.2	29.7	30.7		*5.90	10.90						6.19	7.28	8.94	11.5	16.4
17.8	18.3	19.3	20.3	20.8	21.3	22.9	23.9	24.4	25.4	25.9	26.4	26.9	27.9		7.10	13.20	6.92	8.10	9.88	12.6	17.3	8.16	9.61	11.8	15.2	21.7
															15.00	28.00	19.1	22.3	27.0	33.7	†42.8	20.6	24.2	29.6	37.8	†51.3
18.7	19.2	20.2	21.2	21.7	22.2	23.7	24.8	25.3	26.3	26.8	27.3	27.8	28.8		*6.70	12.50						7.51	8.84	10.9	14.0	19.9
16.8	17.3	18.3	19.3	19.8	20.4	21.9	22.9	23.4	24.4	24.9	25.4	25.9	26.9		7.50	14.00	7.56	8.86	10.8	13.8	19.0	8.81	10.4	12.8	16.5	23.4
													17.8		11.30	21.20	13.5	15.8	19.3	24.4	32.8	14.9	17.5	21.5	27.7	38.7
22.1	22.6	23.6	24.7	25.2	25.7	27.2	28.2	28.7	29.7	30.2	30.7	31.2	32.2		*5.20	9.75						5.03	5.90	7.24	9.30	13.2
21.5	22.0	23.0	24.0	24.5	25.0	26.5	27.5	28.0	29.0	29.5	30.0	30.5	31.5		*5.50	10.30						5.53	6.50	7.97	10.3	14.6
19.6	20.1	21.1	22.1	22.6	23.1	24.6	25.6	26.1	27.1	27.6	28.1	28.7	29.7		*6.30	11.80						6.85	8.06	9.91	12.8	18.2
15.5	16.1	17.1	18.1	18.6	19.1	20.6	21.7	22.2	23.2	23.7	24.2	24.7	25.7		8.00	15.00	8.36	9.80	12.0	15.2	21.0	9.62	11.3	14.0	18.0	25.5
14.3	14.8	15.8	16.8	17.4	17.9	19.4	20.4	20.9	21.9	22.4	23.0	23.5	24.5		8.50	16.00	9.15	10.7	13.1	16.7	22.9	10.4	12.3	15.1	19.5	27.6
															12.50	23.60	15.3	18.0	21.9	27.6	36.4	16.7	19.7	24.2	31.0	43.0
22.8	23.3	24.3	25.3	25.8	26.3	27.8	28.8	29.3	30.3	30.8	31.3	31.8	32.8		*4.90	9.25						4.52	5.31	6.50	8.34	11.8
20.3	20.8	21.8	22.8	23.3	23.8	25.3	26.4	26.9	27.9	28.4	28.9	29.4	30.4		*5.90	11.30						6.19	7.28	8.94	11.5	16.4
						16.0	17.1	17.6	18.6	19.1	19.6	20.2	21.2		9.75	18.70	11.1	13.0	15.9	20.2	27.5	12.4	14.6	18.0	23.2	32.7
23.8	24.3	25.3	26.3	26.8	27.3	28.8	29.8	30.3	31.3	31.8	32.3	32.8	33.8		*4.40	8.50						3.68	4.31	5.27	6.73	9.49

Key to correction factors: 0.8 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



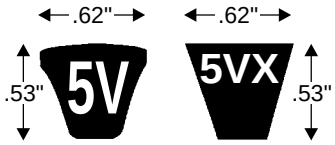
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																					
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5V 5VX 900	5VX 930	5V 5VX 950	5VX 960	5V 5VX 1000	5VX 1030	5V 5VX 1060	5VX 1080	5V 5VX 1120	5VX 1150	5V 5VX 1180	5VX 1230	5V 5VX 1250	5V 5VX 1320	5V 5VX 1400	5V 5VX 1500	5V 5VX 1600	5V 5VX 1700
362	434	547	730	1101	11.80	18.70	1.59	20.8	22.3	23.3	23.8	25.8	27.3	28.8	29.8	31.9	33.4	34.9	37.4	38.4	41.9	45.9	50.9	55.9	60.9
359	431	544	725	1094	7.10	11.30	1.60	30.5	32.0	33.0	33.5	35.5	37.0	38.5	39.5	41.5	43.0	44.5	47.0	48.0	51.5	55.5	60.5	65.5	70.5
357	429	540	720	1087	13.20	21.20	1.61		19.1	20.1	20.6	22.6	24.2	25.7	26.7	28.7	30.2	31.7	34.2	35.3	38.8	42.8	47.8	52.8	57.8
353	423	534	712	1074	*4.40	7.10	1.63	35.9	37.4	38.4	38.9	40.9	42.4	43.9	44.9	46.9	48.4	49.9	52.5	53.5	57.0	61.0	66.0	71.0	76.0
353	423	534	712	1074	*4.65	7.50	1.63	35.4	36.9	37.9	38.4	40.4	41.9	43.4	44.4	46.4	47.9	49.4	51.9	52.9	56.4	60.4	65.4	70.4	75.4
353	423	534	712	1074	9.25	15.00	1.63	25.8	27.3	28.3	28.8	30.8	32.3	33.8	34.8	36.8	38.3	39.9	42.4	43.4	46.9	50.9	55.9	60.9	65.9
351	421	530	707	1067	*6.70	10.90	1.64	31.1	32.6	33.6	34.1	36.1	37.6	39.1	40.1	42.1	43.6	45.1	47.6	48.6	52.1	56.1	61.1	66.1	71.1
348	418	527	703	1061	*4.90	8.00	1.65	34.8	36.3	37.3	37.8	39.8	41.3	42.8	43.8	45.8	47.3	48.8	51.3	52.3	55.8	59.8	64.8	69.9	74.9
348	418	527	703	1061	*5.20	8.50	1.65	34.2	35.7	36.7	37.2	39.2	40.7	42.2	43.2	45.2	46.7	48.2	50.7	51.7	55.2	59.2	64.2	69.2	74.2
348	418	527	703	1061	*5.50	9.00	1.65	33.6	35.1	36.1	36.6	38.6	40.1	41.6	42.6	44.6	46.1	47.6	50.1	51.1	54.6	58.6	63.6	68.6	73.6
348	418	527	703	1061	*6.30	10.30	1.65	31.9	33.4	34.4	34.9	36.9	38.4	39.9	40.9	42.9	44.4	45.9	48.4	49.4	52.9	56.9	61.9	66.9	71.9
348	418	527	703	1061	8.50	14.00	1.65	27.2	28.7	29.7	30.2	32.2	33.7	35.2	36.2	38.2	39.7	41.2	43.7	44.7	48.3	52.3	57.3	62.3	67.3
348	418	527	703	1061	9.75	16.00	1.65	24.6	26.1	27.1	27.6	29.6	31.1	32.6	33.6	35.6	37.1	38.6	41.2	42.2	45.7	49.7	54.7	59.7	64.7
346	416	524	699	1054	*5.90	9.75	1.66	32.7	34.2	35.2	35.7	37.7	39.2	40.7	41.7	43.7	45.2	46.7	49.2	50.2	53.7	57.7	62.7	67.7	72.7
346	416	524	699	1054	8.00	13.20	1.66	28.2	29.7	30.7	31.2	33.2	34.8	36.3	37.3	39.3	40.8	42.3	44.8	45.8	49.3	53.3	58.3	63.3	68.3
346	416	524	699	1054	11.30	18.70	1.66	21.1	22.6	23.6	24.2	26.2	27.7	29.2	30.2	32.2	33.7	35.2	37.8	38.8	42.3	46.3	51.3	56.3	61.3
344	413	521	695	1048	7.10	11.80	1.67	30.1	31.6	32.6	33.1	35.1	36.6	38.1	39.1	41.1	42.6	44.1	46.6	47.6	51.1	55.1	60.1	65.1	70.1
344	413	521	695	1048	9.00	15.00	1.67	26.0	27.5	28.5	29.0	31.0	32.5	34.0	35.0	37.0	38.5	40.0	42.5	43.5	47.1	51.1	56.1	61.1	66.1
342	411	518	690	1042	7.50	12.50	1.68	29.2	30.7	31.7	32.2	34.2	35.7	37.2	38.2	40.2	41.7	43.2	45.7	46.7	50.2	54.2	59.2	64.2	69.2
340	408	515	686	1036	*5.50	9.25	1.69	33.4	34.9	35.9	36.4	38.4	39.9	41.4	42.4	44.4	45.9	47.4	49.9	50.9	54.4	58.4	63.4	68.4	73.4
340	408	515	686	1036	14.00	23.60	1.69					19.9	21.4	23.0	24.0	26.0	27.5	29.1	31.6	32.6	36.1	40.2	45.2	50.2	55.3
338	406	512	682	1029	*6.70	11.30	1.70	30.8	32.3	33.3	33.8	35.8	37.3	38.8	39.8	41.8	43.3	44.8	47.3	48.3	51.8	55.8	60.8	65.8	70.8
338	406	512	682	1029	12.50	21.20	1.70	18.0	19.5	20.6	21.1	23.1	24.6	26.2	27.2	29.2	30.7	32.2	34.8	35.8	39.3	43.3	48.3	53.4	58.4
334	401	506	674	1017	*4.40	7.50	1.72	35.6	37.1	38.1	38.6	40.6	42.1	43.6	44.6	46.6	48.1	49.6	52.1	53.1	56.6	60.6	65.6	70.6	75.6
334	401	506	674	1017	10.90	18.70	1.72	21.4	22.9	23.9	24.4	26.5	28.0	29.5	30.5	32.5	34.0	35.5	38.1	39.1	42.6	46.6	51.6	56.6	61.6
330	397	500	667	1006	*4.65	8.00	1.74	35.0	36.5	37.5	38.0	40.0	41.5	43.0	44.0	46.0	47.5	49.0	51.5	52.5	56.0	60.0	65.0	70.0	75.0
330	397	500	667	1006	*6.30	10.90	1.74	31.4	32.9	33.9	34.4	36.4	37.9	39.4	40.4	42.4	43.9	45.4	47.9	48.9	52.4	56.4	61.4	66.5	71.5
330	397	500	667	1006	9.25	16.00	1.74	24.9	26.5	27.5	28.0	30.0	31.5	33.0	34.0	36.0	37.5	39.0	41.5	42.5	46.0	50.1	55.1	60.1	65.1
329	394	497	663	1000	*4.90	8.50	1.75	34.4	35.9	36.9	37.4	39.4	40.9	42.4	43.4	45.4	46.9	48.4	50.9	51.9	55.4	59.4	64.5	69.5	74.5
329	394	497	663	1000	*5.20	9.00	1.75	33.8	35.3	36.3	36.8	38.8	40.3	41.8	42.8	44.8	46.3	47.8	50.3	51.3	54.8	58.8	63.8	68.8	73.8
329	394	497	663	1000	16.00	28.00	1.75											23.7	26.3	27.3	30.9	34.9	40.0	45.0	50.1
327	392	494	659	994	*5.90	10.30	1.76	32.2	33.7	34.7	35.2	37.2	38.7	40.2	41.2	43.2	44.7	46.2	48.7	49.7	53.2	57.2	62.2	67.2	72.2
327	392	494	659	994	8.00	14.00	1.76	27.6	29.1	30.1	30.6	32.6	34.1	35.6	36.6	38.6	40.1	41.6	44.1	45.1	48.6	52.6	57.6	62.6	67.7
325	390	492	655	989	*6.70	11.80	1.77	30.4	31.9	32.9	33.4	35.4	36.9	38.4	39.4	41.4	42.9	44.4	46.9	47.9	51.4	55.4	60.4	65.4	70.4
325	390	492	655	989	7.10	12.50	1.77	29.5	31.0	32.0	32.5	34.5	36.0	37.5	38.5	40.5	42.0	43.5	46.0	47.0	50.5	54.5	59.5	64.5	69.6
325	390	492	655	989	7.50	13.20	1.77	28.6	30.1	31.1	31.6	33.6	35.1	36.6	37.6	39.6	41.1	42.6	45.2	46.2	49.7	53.7	58.7	63.7	68.7
325	390	492	655	989	8.50	15.00	1.77	26.3	27.9	28.9	29.4	31.4	32.9	34.4	35.4	37.4	38.9	40.4	42.9	43.9	47.4	51.4	56.4	61.5	66.5
321	385	486	648	978	*5.20	9.25	1.79	33.6	35.1	36.1	36.6	38.6	40.1	41.6	42.6	44.6	46.1	47.6	50.1	51.1	54.6	58.6	63.6	68.6	73.6
321	385	486	648	978	*5.50	9.75	1.79	33.0	34.5	35.5	36.0	38.0	39.5	41.0	42.0	44.0	45.5	47.0	49.5	50.5	54.0	58.0	63.0	68.0	73.0
321	385	486	648	978	9.00	16.00	1.79	25.1	26.6	27.6	28.1	30.2	31.7	33.2	34.2	36.2	37.7	39.2	41.7	42.7	46.2	50.2	55.3	60.3	65.3
321	385	486	648	978	13.20	23.60	1.79					20.4	22.0	23.5	24.5	26.6	28.1	29.6	32.2	33.2	36.7	40.8	45.8	50.8	55.9
319	383	483	644	972	11.80	21.20	1.80	18.5	20.0	21.1	21.6	23.6	25.1	26.7	27.7	29.7	31.2	32.7	35.3	36.3	39.8	43.8	48.9	53.9	58.9
318	381	481	641	967	*6.30	11.30	1.81	31.1	32.6	33.6	34.1	36.1	37.6	39.1	40.1	42.1	43.6	45.1	47.6	48.6	52.1	56.1	61.1	66.1	71.1
316	379	478	637	962	10.30	18.70	1.82	21.8	23.3	24.4	24.9	26.9	28.4	29.9	30.9	33.0	34.5	36.0	38.5	39.5	43.0	47.0	52.1	57.1	62.1
313	375	473	630	951	*4.40	8.00	1.84	35.2	36.7	37.7	38.2	40.2	41.7	43.2	44.2	46.2	47.7	49.2	51.7	52.7	56.2	60.2	65.2	70.2	75.2
311	373	470	627	946	*4.65	8.50	1.85	34.6	36.1	37.1	37.6	39.6	41.1	42.6	43.6	45.6	47.1	48.6	51.1	52.1	55.6	59.6	64.6	69.6	74.6
311	373	470	627	946	*4.90	9.00	1.85	34.0	35.5	36.5	37.0	39.0	40.5	42.0	43.0	45.0	46.5	48.0	50.5	51.5	55.0	59.0	64.1	69.1	74.1
309	371	468	624	941	*5.90	10.90	1.86	31.7	33.2	34.2	34.7	36.7	38.2	39.7	40.7	42.7	44.2	45.7	48.2	49.2	52.7	56.8	61.8	66.8	71.8
307	369	465	620	936	7.10	13.20	1.87	28.9	30.4	31.4	31.9	33.9	35.4	36.9	37.9	39.9	41.4	42.9	45.5	46.5	50.0	54.0	59.0	64.0	69.0
307	369	465	620	936	15.00	28.00	1.87										22.8	24.4	26.9	28.0	31.6	35.6	40.7	45.8	50.8
306	367	463	617	931	*6.70	12.50	1.88	29.8	31.3	32.3	32.8	34.8	36.3	37.8	38.8	40.8	42.3	43.8	46.3	47.3	50.8	54.8	59.9	64.9	69.9
306	367	463	617	931	7.50	14.00	1.88	27.9	29.4	30.4	30.9	33.0	34.5	36.0	37.0	39.0	40.5	42.0	44.5	45.5	49.0	53.0	58.0	63.0	68.0
306	367	463	617	931	11.30	21.20	1.88	18.8	20.4	21.4	21.9	24.0	25.5	27.0	28.0	30.1	31.6	33.1	35.6	36.6	40.2	44.2	49.2	54.2	59.3
304	365	460	614	926	*5.20	9.75	1.89	33.2	34.7	35.7	36.2	38.2	39.7	41.2	42.2	44.2	45.7	47.2	49.7	50.7	54.2	58.2	63.2	68.2	73.2
304	365	460	614	926	*5.50	10.30	1.89	32.5	34.0	35.0	35.5	37.5	39.0	40.5	41.5	43.5	45.0	46.5	49.0	50.0	53.5	57.5	62.5	67.5	72.6
304	365	460	614	926	*6.30	11.80	1.89	30.7	32.2	33.2	33.7	35.7	37.2	38.7	39.7	41.7	43.2	44.7	47.2	48.2	51.7	55.7	60.7	65.7	70.7
304	365	460	614	926	8.00	15.00	1.89	26.7	28.2	29.2	29.7	31.7	33.3	34.8	35.8	37.8	39.3	40.8	43.3	44.3	47.8	51.8	56.8	61.8	66.8
304	365	460	614	926	8.50	16.00	1.89	25.5	27.0	28.0	28.5	30.5	32.0	33.5	34.6	36.6	38.1	39.6	42.1	43.1	46.6	50.6	55.6	60.6	65.7
303	363	458	611	921	12.50	23.60	1.90					20.9	22.5	24.0	25.0	27.1	28.6	30.1	32.7	33.7	37.2	41.3	46.3	51.3	56.4
301	361	455	607	916	*4.90	9.25	1.91	33.8	35.3	36.3	36.8	38.8	40.3	41.8	42.8	44.8	46.3	47.8	50.3	51.3	54.8	58.8	63.8	68.9	73.9
298	358	451	601	907	*5.90	11.30	1.93	31.4	32.9	33.9	34.4	36.4	37.9	39.4	40.4	42.4	43.9	45.4	47.9	48.9	52.4	56.4	61.4	66.4	71.4
298	358	451	601	907	9.75	18.70	1.93	22.2	23.7	24.7	25.3	27.3	28.8	30.3	31.3	33.4	34.9	36.4	38.9	39.9	43.4	47.4	52.5	57.5	62.5
295	354	446	595	897	*4.40	8.50	1.95	34.8	36.3	37.3	37.8	39.8	41.3	42.8	43.8	45.8	47.3	48.8	51.3	52.3	55.8	59.8	64.8	69.8	74.8

Key to correction factors: 0.9 1.0 1.1

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

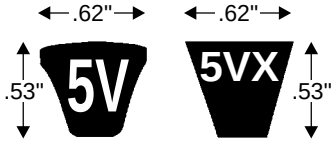


V-Belt No. and Center Distance														Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																Super HC					Super HC Molded Notch				
																RPM of Small Sheave					RPM of Small Sheave				
5V 5VX 1800	5V 5VX 1900	5V 5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
66.0	71.0	76.0	82.0	88.0	94.0	101.0	108.5	116.0	126.0	133.5	143.5	153.5		11.80	18.70	14.3	16.7	20.4	25.8	34.3	15.6	18.4	22.7	29.1	42.7
75.5	80.5	85.5	91.5	97.5	103.5	110.5	118.0	125.5	135.5	143.0	153.0	163.0		7.10	11.30	6.92	8.10	9.88	12.6	17.3	8.16	9.61	11.8	15.2	21.7
62.9	67.9	72.9	78.9	84.9	90.9	97.9	105.4	112.9	122.9	130.4	140.4	150.4		13.20	21.20	16.4	19.2	23.4	29.4	38.4	17.8	21.0	25.8	33.0	45.5
81.0	86.0	91.0												*4.40	7.10						3.68	4.31	5.27	6.73	9.49
80.4	85.4	90.4												*4.65	7.50						4.10	4.81	5.89	7.54	10.7
70.9	75.9	80.9	86.9	92.9	98.9	105.9	113.4	120.9	130.9	138.4	148.4	158.4		9.25	15.00	10.3	12.1	14.8	18.8	25.7	11.6	13.7	16.9	21.7	30.7
76.1	81.1	86.2												*6.70	10.90						7.51	8.84	10.9	14.0	19.9
79.9	84.9	89.9												*4.90	8.00						4.52	5.31	6.50	8.34	11.8
79.2	84.2	89.2												*5.20	8.50						5.03	5.90	7.24	9.30	13.2
78.6	83.6	88.6												*5.50	9.00						5.53	6.50	7.97	10.3	14.6
76.9	81.9	86.9												*6.30	10.30						6.85	8.06	9.91	12.8	18.2
72.3	77.3	82.3	88.3	94.3	100.3	107.3	114.8	122.3	132.3	139.8	149.8	159.8		8.50	14.00	9.15	10.7	13.1	16.7	22.9	10.4	12.3	15.1	19.5	27.6
69.7	74.7	79.7	85.7	91.7	97.7	104.7	112.2	119.7	129.7	137.2	147.2	157.2		9.75	16.00	11.1	13.0	15.9	20.2	27.5	12.4	14.6	18.0	23.2	32.7
77.7	82.7	87.7												*5.90	9.75						6.19	7.28	8.94	11.5	16.4
73.3	78.3	83.3	89.3	95.3	101.3	108.3	115.8	123.3	133.3	140.8	150.8	160.8		8.00	13.20	8.36	9.80	12.0	15.2	21.0	9.62	11.3	14.0	18.0	25.5
66.3	71.3	76.3	82.4	88.4	94.4	101.4	108.9	116.4	126.4	133.9	143.9	153.9		11.30	18.70	13.5	15.8	19.3	24.4	32.8	14.9	17.5	21.5	27.7	38.7
75.1	80.1	85.1	91.1	97.1	103.1	110.1	117.6	125.1	135.1	142.6	152.6	162.6		7.10	11.80	6.92	8.10	9.88	12.6	17.3	8.16	9.61	11.8	15.2	21.7
71.1	76.1	81.1	87.1	93.1	99.1	106.1	113.6	121.1	131.1	138.6	148.6	158.6		9.00	15.00	9.94	11.7	14.2	18.1	24.8	11.2	13.2	16.3	21.0	29.7
74.2	79.3	84.3	90.3	96.3	102.3	109.3	116.8	124.3	134.3	141.8	151.8	161.8		7.50	12.50	7.56	8.86	10.8	13.8	19.0	8.81	10.4	12.8	16.5	23.4
78.4	83.4	88.4												*5.50	9.25						5.53	6.50	7.97	10.3	14.6
60.3	65.3	70.3	76.3	82.3	88.3	95.3	102.9	110.4	120.4	127.9	137.9	147.9		14.00	23.60	17.6	20.6	25.0	31.3	40.5	19.0	22.4	27.5	35.1	48.2
75.8	80.8	85.8												*6.70	11.30						7.51	8.84	10.9	14.0	19.9
63.4	68.4	73.4	79.4	85.4	91.4	98.4	105.9	113.4	123.5	131.0	141.0	151.0		12.50	21.20	15.3	18.0	21.9	27.6	36.4	16.7	19.7	24.2	31.0	43.0
80.6	85.6	90.6												*4.40	7.50						3.68	4.31	5.27	6.73	9.49
66.6	71.6	76.7	82.7	88.7	94.7	101.7	109.2	116.7	126.7	134.2	144.2	154.2		10.90	18.70	12.9	15.1	18.5	23.4	31.5	14.2	16.8	20.6	26.5	37.2
80.0	85.0	90.0												*4.65	8.00						4.10	4.81	5.89	7.54	10.7
76.5	81.5	86.5												*6.30	10.90						6.85	8.06	9.91	12.8	18.2
70.1	75.1	80.1	86.1	92.1	98.1	105.1	112.6	120.1	130.1	137.6	147.6	157.6		9.25	16.00	10.3	12.1	14.8	18.8	25.7	11.6	13.7	16.9	21.7	30.7
79.5	84.5	89.5												*4.90	8.50						4.52	5.31	6.50	8.34	11.8
78.8	83.8	88.8												*5.20	9.00						5.03	5.90	7.24	9.30	13.2
55.1	60.1	65.2	71.2	77.2	83.2	90.2	97.8	105.3	115.3	122.8	132.8	142.8		16.00	28.00	20.5	24.0	29.0	36.0	†	22.1	25.9	31.8	40.3	†
77.2	82.2	87.2												*5.90	10.30						6.19	7.28	8.94	11.5	16.4
72.7	77.7	82.7	88.7	94.7	100.7	107.7	115.2	122.7	132.7	140.2	150.2	160.2		8.00	14.00	8.36	9.80	12.0	15.2	21.0	9.62	11.3	14.0	18.0	25.5
75.4	80.4	85.4												*6.70	11.80						7.51	8.84	10.9	14.0	19.9
74.6	79.6	84.6	90.6	96.6	102.6	109.6	117.1	124.6	134.6	142.1	152.1	162.1		7.10	12.50	6.92	8.10	9.88	12.6	17.3	8.16	9.61	11.8	15.2	21.7
73.7	78.7	83.7	89.7	95.7	101.7	108.7	116.2	123.7	133.7	141.2	151.2	161.2		7.50	13.20	7.56	8.86	10.8	13.8	19.0	8.81	10.4	12.8	16.5	23.4
71.5	76.5	81.5	87.5	93.5	99.5	106.5	114.0	121.5	131.5	139.0	149.0	159.0		8.50	15.00	9.15	10.7	13.1	16.7	22.9	10.4	12.3	15.1	19.5	27.6
78.6	83.6	88.6												*5.20	9.25						5.03	5.90	7.24	9.30	13.2
78.0	83.0	88.0												*5.50	9.75						5.53	6.50	7.97	10.3	14.6
70.3	75.3	80.3	86.3	92.3	98.3	105.3	112.8	120.3	130.3	137.8	147.8	157.8		9.00	16.00	9.94	11.7	14.2	18.1	24.8	11.2	13.2	16.3	21.0	29.7
60.9	65.9	70.9	76.9	82.9	88.9	96.0	103.5	111.0	121.0	128.5	138.5	148.5		13.20	23.60	16.4	19.2	23.4	29.4	38.4	17.8	21.0	25.8	33.0	45.5
63.9	68.9	73.9	79.9	86.0	92.0	99.0	106.5	114.0	124.0	131.5	141.5	151.5		11.80	21.20	14.3	16.7	20.4	25.8	34.3	15.6	18.4	22.7	29.1	40.5
76.1	81.1	86.1												*6.30	11.30						6.85	8.06	9.91	12.8	18.2
67.1	72.1	77.1	83.1	89.1	95.1	102.1	109.6	117.1	127.2	134.7	144.7	154.7		10.30	18.70	12.0	14.0	17.1	21.7	29.4	13.3	15.7	19.3	24.8	34.9
80.2	85.2	90.2												*4.40	8.00						3.68	4.31	5.27	6.73	9.49
79.6	84.7	89.7												*4.65	8.50						4.10	4.81	5.89	7.54	10.7
79.1	84.1	89.1												*4.90	9.00						4.52	5.31	6.50	8.34	11.8
76.8	81.8	86.8												*5.90	10.90						6.19	7.28	8.94	11.5	16.4
74.0	79.0	84.0	90.0	96.0	102.0	109.0	116.5	124.0	134.0	141.5	151.5	161.5		7.10	13.20	6.92	8.10	9.88	12.6	17.3	8.16	9.61	11.8	15.2	21.7
55.8	60.9	65.9	71.9	78.0	84.0	91.0	98.5	106.0	116.0	123.6	133.6	143.6		15.00	28.00	19.1	22.3	27.0	33.7	†42.8	20.6	24.2	29.6	37.8	†51.3
74.9	79.9	84.9												*6.70	12.50						7.51	8.84	10.9	14.0	19.9
73.0	78.0	83.1	89.1	95.1	101.1	108.1	115.6	123.1	133.1	140.6	150.6	160.6		7.50	14.00	7.56	8.86	10.8	13.8	19.0	8.81	10.4	12.8	16.5	23.4
64.3	69.3	74.3	80.3	86.3	92.3	99.4	106.9	114.4	124.4	131.9	141.9	151.9		11.30	21.20	13.5	15.8	19.3	24.4	32.8	14.9	17.5	21.5	27.7	38.7
78.2	83.2	88.2												*5.20	9.75						5.03	5.90	7.24	9.30	13.2
77.6	82.6	87.6												*5.50	10.30						5.53	6.50	7.97	10.3	14.6
75.7	80.7	85.7												*6.30	11.80						6.85	8.06	9.91	12.8	18.2
71.9	76.9	81.9	87.9	93.9	99.9	106.9	114.4	121.9	131.9	139.4	149.4	159.4		8.00	15.00	8.36	9.80	12.0	15.2	21.0	9.62	11.3	14.0	18.0	25.5
70.7	75.7	80.7	86.7	92.7	98.7	105.7	113.2	120.7	130.7	138.2	148.2	158.2		8.50	16.00	9.15	10.7	13.1	16.7	22.9	10.4	12.3	15.1	19.5	27.6
61.4	66.4	71.4	77.4	83.5	89.5	96.5	104.0	111.5	121.5	129.0	139.0	149.0		12.50	23.60	15.3	18.0	21.9	27.6	36.4	16.7	19.7	24.2	31.0	43.0
78.9	83.9	88.9												*4.90	9.25						4.52	5.31	6.50	8.34	11.8
76.4	81.4	86.4												*5.90	11.30						6.19	7.28	8.94	11.5	16.4
67.5	72.5	77.5	83.5	89.5	95.6	102.6	110.1	117.6	127.6	135.1	145.1	155.1		9.75	18.70	11.1	13.0	15.9	20.2	27.5	12.4	14.6	18.0	23.2	32.7
79.8	84.8	89.8												*4.40	8.50						3.68	4.31	5.27	6.73	9.49

Key to correction factors: 1.0 1.1 1.2

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



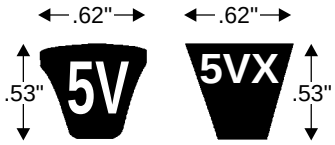
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																					
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5VX 450	5VX 470	5VX 490	5V 5VX 500	5VX 510	5V 5VX 530	5VX 540	5VX 550	5V 5VX 560	5VX 570	5VX 580	5VX 590	5V 5VX 600	5VX 610	5V 5VX 630	5VX 650	5VX 660	5V 5VX 670
295	354	446	595	897	10.90	21.20	1.95																						
293	352	444	592	893	*4.65	9.00	1.96	11.6	12.6	13.6	14.1	14.6	15.6	16.1	16.6	17.1	17.6	18.1	18.7	19.2	19.7	20.7	21.7	22.2	22.7
292	350	442	589	888	16.00	31.50	1.97																						
290	348	439	586	884	*6.70	13.20	1.98								11.4	11.9	12.4	13.0	13.5	14.0	14.5	15.5	16.6	17.1	17.6
289	347	437	583	879	7.10	14.00	1.99											11.9	12.4	13.0	13.5	14.5	15.5	16.1	16.6
288	345	435	580	875	*5.20	10.30	2.00	10.0	11.0	12.1	12.6	13.1	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	19.2	20.2	20.7	21.2
288	345	435	580	875	*5.50	10.90	2.00	9.2	10.3	11.3	11.8	12.3	13.3	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	18.4	19.4	19.9	20.4
288	345	435	580	875	*6.30	12.50	2.00						11.3	11.8	12.3	12.9	13.4	13.9	14.4	14.9	15.4	16.4	17.5	18.0	18.5
286	343	433	577	871	*4.65	9.25	2.01	11.3	12.4	13.4	13.9	14.4	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	20.5	21.5	22.0	22.5
286	343	433	577	871	*4.90	9.75	2.01	10.7	11.7	12.8	13.3	13.8	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.8	20.9	21.4	21.9
286	343	433	577	871	7.50	15.00	2.01															13.3	14.3	14.9	15.4
286	343	433	577	871	8.00	16.00	2.01																13.0	13.6	14.1
286	343	433	577	871	11.80	23.60	2.01																		
286	343	433	577	871	14.00	28.00	2.01																		
285	342	431	574	866	*5.90	11.80	2.02			10.2	10.7	11.2	12.2	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	17.3	18.4	18.9	19.4
283	340	429	571	862	9.25	18.70	2.03																		
278	333	420	560	845	*4.40	9.00	2.07	11.7	12.8	13.8	14.3	14.8	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.8	21.9	22.4	22.9
278	333	420	560	845	*5.50	11.30	2.07		9.9	10.9	11.4	12.0	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.6	17.1	18.1	19.1	19.6	20.1
278	333	420	560	845	10.30	21.20	2.07																		
275	330	416	555	837	9.00	18.70	2.09																		
274	329	414	552	833	11.30	23.60	2.10																		
273	327	412	550	829	*6.30	13.20	2.11							11.1	11.7	12.2	12.7	13.2	13.7	14.3	14.8	15.8	16.8	17.3	17.9
273	327	412	550	829	*6.70	14.00	2.11										11.7	12.2	12.7	13.2	13.8	14.8	15.8	16.3	16.8
273	327	412	550	829	15.00	31.50	2.11																		
271	325	410	547	825	*4.65	9.75	2.12	10.9	11.9	12.9	13.4	14.0	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	20.0	21.0	21.5	22.0
271	325	410	547	825	*5.20	10.90	2.12	9.4	10.5	11.5	12.0	12.5	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.6	19.6	20.2	20.7
270	324	408	545	822	*4.40	9.25	2.13	11.5	12.5	13.6	14.1	14.6	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.6	21.6	22.1	22.6
270	324	408	545	822	*4.90	10.30	2.13	10.2	11.2	12.3	12.8	13.3	14.3	14.8	15.3	15.8	16.3	16.8	17.4	17.9	18.4	19.4	20.4	20.9	21.4
270	324	408	545	822	7.10	15.00	2.13														12.5	13.6	14.6	15.1	15.6
270	324	408	545	822	13.20	28.00	2.13																		
269	322	407	542	818	*5.90	12.50	2.14					10.5	11.6	12.1	12.6	13.1	13.6	14.2	14.7	15.2	15.7	16.7	17.7	18.2	18.8
267	321	405	540	814	7.50	16.00	2.15																13.4	13.9	14.4
265	318	401	535	806	*5.50	11.80	2.17			10.4	11.0	11.5	12.5	13.0	13.5	14.1	14.6	15.1	15.6	16.1	16.6	17.6	18.6	19.2	19.7
264	317	399	532	803	10.90	23.60	2.18																		
263	315	397	530	799	9.75	21.20	2.19																		
261	314	395	527	795	*5.20	11.30	2.20		10.1	11.1	11.6	12.2	13.2	13.7	14.2	14.7	15.2	15.7	16.3	16.8	17.3	18.3	19.3	19.8	20.3
260	312	394	525	792	8.50	18.70	2.21																		
257	308	388	518	781	*4.40	9.75	2.24	11.1	12.1	13.1	13.6	14.1	15.1	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	20.2	21.2	21.7	22.2
257	308	388	518	781	*4.65	10.30	2.24	10.4	11.4	12.4	12.9	13.5	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.6	20.6	21.1	21.6
257	308	388	518	781	*6.30	14.00	2.24									11.4	11.9	12.5	13.0	13.5	14.0	15.1	16.1	16.6	17.1
256	307	387	516	778	*4.90	10.90	2.25	9.6	10.7	11.7	12.2	12.7	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.9	19.9	20.4	20.9
256	307	387	516	778	12.50	28.00	2.25																		
254	305	385	513	774	*5.90	13.20	2.26						10.9	11.4	11.9	12.5	13.0	13.5	14.0	14.5	15.1	16.1	17.1	17.6	18.1
254	305	385	513	774	*6.70	15.00	2.26													12.2	12.8	13.8	14.9	15.4	15.9
254	305	385	513	774	14.00	31.50	2.26																		
253	304	383	511	771	7.10	16.00	2.27															12.6	13.6	14.2	14.7
251	301	380	507	764	*5.20	11.80	2.29		9.6	10.6	11.2	11.7	12.7	13.2	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.8	18.9	19.4	19.9
250	300	378	504	761	*5.50	12.50	2.30				10.3	10.8	11.8	12.4	12.9	13.4	13.9	14.4	15.0	15.5	16.0	17.0	18.0	18.5	19.0
250	300	378	504	761	10.30	23.60	2.30																		
249	299	377	502	758	9.25	21.20	2.31																		
247	296	373	498	751	*4.90	11.30	2.33	9.2	10.3	11.3	11.8	12.4	13.4	13.9	14.4	14.9	15.4	16.0	16.5	17.0	17.5	18.5	19.5	20.0	20.5
245	294	370	494	745	8.00	18.70	2.35																		
245	294	370	494	745	16.00	37.50	2.35																		
243	291	367	489	738	*4.40	10.30	2.37	10.5	11.6	12.6	13.1	13.6	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.7	20.7	21.2	21.8
243	291	367	489	738	*4.65	10.90	2.37	9.8	10.8	11.9	12.4	12.9	13.9	14.4	15.0	15.5	16.0	16.5	17.0	17.5	18.0	19.0	20.0	20.5	21.1
243	291	367	489	738	9.00	21.20	2.37																		
242	290	366	487	735	11.80	28.00	2.38																		
240	288	363	483	729	*5.90	14.00	2.40								11.1	11.7	12.2	12.7	13.2	13.8	14.3	15.3	16.4	16.9	17.4
240	288	363	483	729	*6.30	15.00	2.40												12.0	12.5	13.0	14.1	15.1	15.7	16.2
240	288	363	483	729	13.20	31.50	2.40																		
239	286	361	481	726	*6.70	16.00	2.41															12.8	13.9	14.4	14.9
237	284	358	477	720	*5.20	12.50	2.43			9.9	10.5	11.0	12.0	12.6	13.1	13.6	14.1	14.6	15.2	15.7	16.2	17.2	18.2	18.7	19.3
237	284	358	477	720	*5.50	13.20	2.43						11.1	11.7	12.2	12.7	13.2	13.8	14.3	14.8	15.3	16.4	17.4	17.9	18.4

Key to correction factors: 0.7 0.8 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

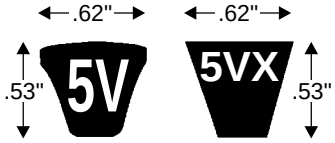


V-Belt No. and Center Distance															Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																	Super HC					Super HC Molded Notch				
																	RPM of Small Sheave					RPM of Small Sheave				
5VX 680	5VX 690	5V 5VX 710	5VX 730	5VX 740	5V 5VX 750	5VX 780	5V 5VX 800	5VX 810	5VX 830	5VX 840	5V 5VX 850	5VX 860	5VX 880		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
														18.0	10.90	21.20	12.9	15.2	18.5	23.5	31.6	14.2	16.8	20.6	26.5	1750 RPM
23.2	23.7	24.7	25.7	26.2	26.7	28.2	29.2	29.7	30.7	31.2	31.7	32.2	33.2		*4.65	9.00						4.10	4.81	5.89	7.54	10.7
															16.00	31.50	20.6	24.0	29.1	36.1	†	22.1	25.9	31.8	40.3	†
18.1	18.6	19.6	20.6	21.1	21.6	23.1	24.2	24.7	25.7	26.2	26.7	27.2	28.2		*6.70	13.20						7.51	8.84	10.9	14.0	19.9
17.1	17.6	18.6	19.6	20.1	20.6	22.2	23.2	23.7	24.7	25.2	25.7	26.2	27.2		7.10	14.00	6.97	8.17	9.96	12.7	17.5	8.16	9.61	11.8	15.2	21.7
21.7	22.2	23.2	24.2	24.7	25.2	26.7	27.7	28.2	29.2	29.7	30.2	30.7	31.7		*5.20	10.30						5.03	5.90	7.24	9.30	13.2
20.9	21.4	22.5	23.5	24.0	24.5	26.0	27.0	27.5	28.5	29.0	29.5	30.0	31.0		*5.50	10.90						5.53	6.50	7.97	10.3	14.6
19.0	19.5	20.5	21.5	22.0	22.5	24.0	25.0	25.5	26.6	27.1	27.6	28.1	29.1		*6.30	12.50						6.85	8.06	9.91	12.8	18.2
23.0	23.5	24.5	25.5	26.0	26.5	28.0	29.0	29.5	30.5	31.0	31.5	32.0	33.0		*4.65	9.25						4.10	4.81	5.89	7.54	10.7
22.4	22.9	23.9	24.9	25.4	25.9	27.4	28.4	28.9	29.9	30.4	30.9	31.4	32.4		*4.90	9.75						4.52	5.31	6.50	8.34	11.8
15.9	16.4	17.4	18.4	19.0	19.5	21.0	22.0	22.5	23.5	24.0	24.5	25.0	26.1		7.50	15.00	7.61	8.92	10.9	13.9	19.1	8.81	10.4	12.8	16.5	23.4
14.6	15.1	16.2	17.2	17.7	18.2	19.7	20.8	21.3	22.3	22.8	23.3	23.8	24.8		8.00	16.00	8.41	9.86	12.0	15.3	21.1	9.62	11.3	14.0	18.0	25.5
															11.80	23.60	14.3	16.8	20.5	25.9	34.5	15.6	18.4	22.7	29.1	40.5
															14.00	28.00	17.6	20.6	25.1	31.4	40.6	19.0	22.4	27.5	35.1	48.2
19.9	20.4	21.4	22.4	22.9	23.4	24.9	25.9	26.4	27.4	27.9	28.4	28.9	30.0		*5.90	11.80						6.19	7.28	8.94	11.5	16.4
						16.4	17.4	17.9	19.0	19.5	20.0	20.5	21.5		9.25	18.70	10.4	12.2	14.9	18.9	25.9	11.6	13.7	16.9	21.7	30.7
23.4	23.9	24.9	25.9	26.4	26.9	28.4	29.4	29.9	30.9	31.4	31.9	32.4	33.4		*4.40	9.00						3.68	4.31	5.27	6.73	9.49
20.6	21.1	22.1	23.1	23.6	24.1	25.6	26.6	27.2	28.2	28.7	29.2	29.7	30.7		*5.50	11.30						5.53	6.50	7.97	10.3	14.6
											16.9	17.4	18.4		10.30	21.20	12.0	14.1	17.2	21.8	29.6	13.3	15.7	19.3	24.8	34.9
					15.0	16.5	17.6	18.1	19.1	19.6	20.2	20.7	21.7		9.00	18.70	9.99	11.7	14.3	18.2	24.9	11.2	13.2	16.3	21.0	29.7
															11.30	23.60	13.6	15.9	19.4	24.5	32.9	14.9	17.5	21.5	27.7	38.7
18.4	18.9	19.9	20.9	21.4	21.9	23.4	24.4	24.9	26.0	26.5	27.0	27.5	28.5		*6.30	13.20						6.85	8.06	9.91	12.8	18.2
17.4	17.9	18.9	19.9	20.4	20.9	22.4	23.5	24.0	25.0	25.5	26.0	26.5	27.5		*6.70	14.00						7.51	8.84	10.9	14.0	19.9
															15.00	31.50	19.1	22.4	27.1	33.8	†43.0	20.6	24.2	29.6	37.8	†51.3
22.5	23.0	24.1	25.1	25.6	26.1	27.6	28.6	29.1	30.1	30.6	31.1	31.6	32.6		*4.65	9.75						4.10	4.81	5.89	7.54	10.7
21.2	21.7	22.7	23.7	24.2	24.7	26.2	27.2	27.7	28.7	29.2	29.7	30.2	31.2		*5.20	10.90						5.03	5.90	7.24	9.30	13.2
23.2	23.7	24.7	25.7	26.2	26.7	28.2	29.2	29.7	30.7	31.2	31.7	32.2	33.2		*4.40	9.25						3.68	4.31	5.27	6.73	9.49
21.9	22.4	23.4	24.4	24.9	25.4	26.9	27.9	28.4	29.4	29.9	30.4	30.9	31.9		*4.90	10.30						4.52	5.31	6.50	8.34	11.8
16.2	16.7	17.7	18.7	19.2	19.7	21.3	22.3	22.8	23.8	24.3	24.8	25.3	26.3		7.10	15.00	6.97	8.17	9.96	12.7	17.5	8.16	9.61	11.8	15.2	21.7
															13.20	28.00	16.4	19.3	23.4	29.5	38.6	17.8	21.0	25.8	33.0	45.5
19.3	19.8	20.8	21.8	22.3	22.8	24.3	25.3	25.8	26.8	27.3	27.9	28.4	29.4		*5.90	12.50						6.19	7.28	8.94	11.5	16.4
14.9	15.5	16.5	17.5	18.0	18.6	20.1	21.1	21.6	22.6	23.2	23.7	24.2	25.2		7.50	16.00	7.61	8.92	10.9	13.9	19.1	8.81	10.4	12.8	16.5	23.4
20.2	20.7	21.7	22.7	23.2	23.7	25.2	26.2	26.7	27.7	28.2	28.7	29.2	30.2		*5.50	11.80						5.53	6.50	7.97	10.3	14.6
															10.90	23.60	12.9	15.2	18.5	23.5	31.6	14.2	16.8	20.6	26.5	37.2
										16.7	17.2	17.8	18.8		9.75	21.20	11.2	13.1	16.0	20.3	27.7	12.4	14.6	18.0	23.2	32.7
20.8	21.3	22.3	23.3	23.8	24.3	25.9	26.9	27.4	28.4	28.9	29.4	29.9	30.9		*5.20	11.30						5.03	5.90	7.24	9.30	13.2
				14.7	15.3	16.9	17.9	18.4	19.5	20.0	20.5	21.0	22.0		8.50	18.70	9.21	10.8	13.2	16.8	23.0	10.4	12.3	15.1	19.5	27.6
22.7	23.2	24.2	25.2	25.7	26.3	27.8	28.8	29.3	30.3	30.8	31.3	31.8	32.8		*4.40	9.75						3.68	4.31	5.27	6.73	9.49
22.1	22.6	23.6	24.6	25.1	25.6	27.1	28.1	28.6	29.6	30.1	30.6	31.1	32.1		*4.65	10.30						4.10	4.81	5.89	7.54	10.7
17.6	18.1	19.2	20.2	20.7	21.2	22.7	23.7	24.3	25.3	25.8	26.3	26.8	27.8		*6.30	14.00						6.85	8.06	9.91	12.8	18.2
21.4	21.9	22.9	23.9	24.4	24.9	26.4	27.4	27.9	28.9	29.4	29.9	30.4	31.4		*4.90	10.90						4.52	5.31	6.50	8.34	11.8
															12.50	28.00	15.4	18.0	22.0	27.7	36.6	16.7	19.7	24.2	31.0	43.0
18.6	19.2	20.2	21.2	21.7	22.2	23.7	24.7	25.2	26.2	26.7	27.3	27.8	28.8		*5.90	13.20						6.19	7.28	8.94	11.5	16.4
16.4	16.9	18.0	19.0	19.5	20.0	21.6	22.6	23.1	24.1	24.6	25.1	25.6	26.6		*6.70	15.00						7.51	8.84	10.9	14.0	19.9
															14.00	31.50	17.6	20.6	25.1	31.4	40.6	19.0	22.4	27.5	35.1	48.2
15.2	15.7	16.8	17.8	18.3	18.8	20.4	21.4	21.9	22.9	23.4	23.9	24.5	25.5		7.10	16.00	6.97	8.17	9.96	12.7	17.5	8.16	9.61	11.8	15.2	21.7
20.4	20.9	21.9	22.9	23.4	23.9	25.4	26.4	26.9	28.0	28.5	29.0	29.5	30.5		*5.20	11.80						5.03	5.90	7.24	9.30	13.2
19.5	20.1	21.1	22.1	22.6	23.1	24.6	25.6	26.1	27.1	27.6	28.1	28.6	29.7		*5.50	12.50						5.53	6.50	7.97	10.3	14.6
															10.30	23.60	12.0	14.1	17.2	21.8	29.6	13.3	15.7	19.3	24.8	34.9
									16.5	17.0	17.6	18.1	19.1		9.25	21.20	10.4	12.2	14.9	18.9	25.9	11.6	13.7	16.9	21.7	30.7
21.0	21.5	22.5	23.6	24.1	24.6	26.1	27.1	27.6	28.6	29.1	29.6	30.1	31.1		*4.90	11.30						4.52	5.31	6.50	8.34	11.8
			14.5	15.1	15.6	17.2	18.2	18.8	19.8	20.3	20.8	21.4	22.4		8.00	18.70	8.41	9.86	12.0	15.3	21.1	9.62	11.3	14.0	18.0	25.5
															16.00	37.50	20.6	24.0	29.1	36.1	†	22.1	25.9	31.8	40.3	†
22.3	22.8	23.8	24.8	25.3	25.8	27.3	28.3	28.8	29.8	30.3	30.8	31.3	32.3		*4.40	10.30						3.68	4.31	5.27	6.73	9.49
21.6	22.1	23.1	24.1	24.6	25.1	26.6	27.6	28.1	29.1	29.6	30.1	30.6	31.6		*4.65	10.90						4.10	4.81	5.89	7.54	10.7
									16.7	17.2	17.7	18.3	19.3		9.00	21.20	9.99	11.7	14.3	18.2	24.9	11.2	13.2	16.3	21.0	29.7
															11.80	28.00	14.3	16.8	20.5	25.9	34.5	15.6	18.4	22.7	29.1	40.5
17.9	18.4	19.4	20.5	21.0	21.5	23.0	24.0	24.5	25.5	26.1	26.6	27.1	28.1		*5.90	14.00						6.19	7.28	8.94	11.5	16.4
16.7	17.2	18.3	19.3	19.8	20.3	21.8	22.9	23.4	24.4	24.9	25.4	25.9	26.9		*6.30	15.00						6.85	8.06	9.91	12.8	18.2
															13.20	31.50	16.4	19.3	23.4	29.5	38.6	17.8	21.0	25.8	33.0	45.5
15.5	16.0	17.0	18.1	18.6	19.1	20.6	21.7	22.2	23.2	23.7	24.2	24.7	25.8		*6.70	16.00						7.51	8.84	10.9	14.0	19.9
19.8	20.3	21.3	22.3	22.8	23.3	24.8	25.8	26.3	27.4	27.9	28.4	28.9	29.9		*5.20	12.50						5.03	5.90	7.24	9.30	13.2
18.9	19.4	20.4	21.5	22.0	22.5	24.0	25.0	25.5	26.5	27.0	27.5	28.0	29.1		*5.50	13.20						5.53	6.50	7.97	10.3	14.6

Key to correction factors: 0.8 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



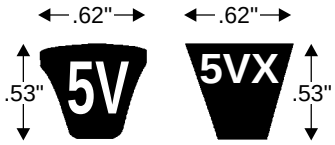
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																		
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5V 5VX 900	5VX 930	5V 5VX 950	5VX 960	5V 5VX 1000	5VX 1030	5V 5VX 1060	5VX 1080	5V 5VX 1120	5VX 1150	5V 5VX 1180	5VX 1230	5V 5VX 1250	5VX 1320	5V 5VX 1400	5V 5VX 1500	5V 5VX 1600	5V 5VX 1700
295	354	446	595	897	10.90	21.20	1.95	19.1	20.6	21.7	22.2	24.2	25.8	27.3	28.3	30.4	31.9	33.4	35.9	36.9	40.5	44.5	49.5	54.5	59.6
293	352	444	592	893	*4.65	9.00	1.96	34.2	35.7	36.7	37.2	39.2	40.7	42.2	43.2	45.2	46.7	48.2	50.7	51.7	55.2	59.2	64.2	69.2	74.2
292	350	442	589	888	16.00	31.50	1.97														27.6	31.7	36.9	42.0	47.1
290	348	439	586	884	*6.70	13.20	1.98	29.2	30.7	31.7	32.2	34.2	35.7	37.2	38.2	40.2	41.7	43.2	45.8	46.8	50.3	54.3	59.3	64.3	69.3
289	347	437	583	879	7.10	14.00	1.99	28.2	29.7	30.7	31.2	33.2	34.8	36.3	37.3	39.3	40.8	42.3	44.8	45.8	49.3	53.3	58.3	63.3	68.3
288	345	435	580	875	*5.20	10.30	2.00	32.7	34.2	35.2	35.7	37.7	39.2	40.7	41.7	43.8	45.3	46.8	49.3	50.3	53.8	57.8	62.8	67.8	72.8
288	345	435	580	875	*5.50	10.90	2.00	32.0	33.5	34.5	35.0	37.0	38.5	40.0	41.0	43.0	44.5	46.0	48.5	49.5	53.1	57.1	62.1	67.1	72.1
288	345	435	580	875	*6.30	12.50	2.00	30.1	31.6	32.6	33.1	35.1	36.6	38.1	39.1	41.1	42.6	44.1	46.6	47.6	51.1	55.1	60.2	65.2	70.2
286	343	433	577	871	*4.65	9.25	2.01	34.0	35.5	36.5	37.0	39.0	40.5	42.0	43.0	45.0	46.5	48.0	50.5	51.5	55.0	59.0	64.0	69.0	74.0
286	343	433	577	871	*4.90	9.75	2.01	33.4	34.9	35.9	36.4	38.4	39.9	41.4	42.4	44.4	45.9	47.4	49.9	50.9	54.4	58.4	63.4	68.5	73.5
286	343	433	577	871	7.50	15.00	2.01	27.1	28.6	29.6	30.1	32.1	33.6	35.1	36.1	38.1	39.7	41.2	43.7	44.7	48.2	52.2	57.2	62.2	67.2
286	343	433	577	871	8.00	16.00	2.01	25.8	27.4	28.4	28.9	30.9	32.4	33.9	34.9	36.9	38.4	40.0	42.5	43.5	47.0	51.0	56.0	61.0	66.0
286	343	433	577	871	11.80	23.60	2.01			18.8	19.3	21.4	22.9	24.5	25.5	27.6	29.1	30.6	33.2	34.2	37.7	41.8	46.8	51.9	56.9
286	343	433	577	871	14.00	28.00	2.01										23.5	25.0	27.6	28.7	32.3	36.3	41.4	46.5	51.5
285	342	431	574	866	*5.90	11.80	2.02	31.0	32.5	33.5	34.0	36.0	37.5	39.0	40.0	42.0	43.5	45.0	47.5	48.5	52.0	56.0	61.0	66.0	71.0
283	340	429	571	862	9.25	18.70	2.03	22.6	24.1	25.1	25.6	27.6	29.2	30.7	31.7	33.7	35.2	36.7	39.3	40.3	43.8	47.8	52.8	57.9	62.9
278	333	420	560	845	*4.40	9.00	2.07	34.4	35.9	36.9	37.4	39.4	40.9	42.4	43.4	45.4	46.9	48.4	50.9	51.9	55.4	59.4	64.4	69.4	74.4
278	333	420	560	845	*5.50	11.30	2.07	31.7	33.2	34.2	34.7	36.7	38.2	39.7	40.7	42.7	44.2	45.7	48.2	49.2	52.7	56.7	61.7	66.7	71.7
278	333	420	560	845	10.30	21.20	2.07	19.5	21.1	22.1	22.6	24.7	26.2	27.7	28.7	30.8	32.3	33.8	36.4	37.4	40.9	44.9	50.0	55.0	60.0
275	330	416	555	837	9.00	18.70	2.09	22.7	24.3	25.3	25.8	27.8	29.3	30.9	31.9	33.9	35.4	36.9	39.4	40.5	44.0	48.0	53.0	58.0	63.1
274	329	414	552	833	11.30	23.60	2.10			19.1	19.6	21.7	23.3	24.8	25.9	27.9	29.4	31.0	33.5	34.5	38.1	42.1	47.2	52.2	57.3
273	327	412	550	829	*6.30	13.20	2.11	29.5	31.0	32.0	32.5	34.5	36.0	37.5	38.5	40.5	42.0	43.5	46.1	47.1	50.6	54.6	59.6	64.6	69.6
273	327	412	550	829	*6.70	14.00	2.11	28.5	30.0	31.0	31.5	33.5	35.1	36.6	37.6	39.6	41.1	42.6	45.1	46.1	49.6	53.6	58.6	63.6	68.6
273	327	412	550	829	15.00	31.50	2.11													24.6	28.3	32.4	37.6	42.7	47.8
271	325	410	547	825	*4.65	9.75	2.12	33.6	35.1	36.1	36.6	38.6	40.1	41.6	42.6	44.6	46.1	47.6	50.1	51.1	54.6	58.6	63.6	68.6	73.6
271	325	410	547	825	*5.20	10.90	2.12	32.2	33.7	34.7	35.2	37.2	38.8	40.3	41.3	43.3	44.8	46.3	48.8	49.8	53.3	57.3	62.3	67.3	72.3
270	324	408	545	822	*4.40	9.25	2.13	34.2	35.7	36.7	37.2	39.2	40.7	42.2	43.2	45.2	46.7	48.2	50.7	51.7	55.2	59.2	64.2	69.2	74.2
270	324	408	545	822	*4.90	10.30	2.13	33.0	34.5	35.5	36.0	38.0	39.5	41.0	42.0	44.0	45.5	47.0	49.5	50.5	54.0	58.0	63.0	68.0	73.0
270	324	408	545	822	7.10	15.00	2.13	27.4	28.9	29.9	30.4	32.4	33.9	35.4	36.4	38.4	39.9	41.5	44.0	45.0	48.5	52.5	57.5	62.5	67.5
270	324	408	545	822	13.20	28.00	2.13									22.4	24.0	25.6	28.2	29.2	32.8	36.9	42.0	47.1	52.1
269	322	407	542	818	*5.90	12.50	2.14	30.4	31.9	32.9	33.4	35.4	36.9	38.4	39.4	41.4	42.9	44.4	46.9	47.9	51.4	55.5	60.5	65.5	70.5
267	321	405	540	814	7.50	16.00	2.15	26.2	27.7	28.7	29.2	31.3	32.8	34.3	35.3	37.3	38.8	40.3	42.8	43.8	47.4	51.4	56.4	61.4	66.4
265	318	401	535	806	*5.50	11.80	2.17	31.3	32.8	33.8	34.3	36.3	37.8	39.3	40.3	42.3	43.8	45.3	47.8	48.8	52.3	56.3	61.3	66.3	71.3
264	317	399	532	803	10.90	23.60	2.18		18.3	19.4	19.9	22.0	23.5	25.1	26.1	28.2	29.7	31.3	33.8	34.8	38.4	42.4	47.5	52.5	57.6
263	315	397	530	799	9.75	21.20	2.19	19.9	21.4	22.5	23.0	25.0	26.6	28.1	29.1	31.2	32.7	34.2	36.7	37.8	41.3	45.3	50.4	55.4	60.4
261	314	395	527	795	*5.20	11.30	2.20	31.9	33.4	34.4	34.9	36.9	38.4	39.9	40.9	42.9	44.4	45.9	48.4	49.4	53.0	57.0	62.0	67.0	72.0
260	312	394	525	792	8.50	18.70	2.21	23.1	24.6	25.6	26.1	28.2	29.7	31.2	32.2	34.3	35.8	37.3	39.8	40.8	44.3	48.4	53.4	58.4	63.4
257	308	388	518	781	*4.40	9.75	2.24	33.8	35.3	36.3	36.8	38.8	40.3	41.8	42.8	44.8	46.3	47.8	50.3	51.3	54.8	58.8	63.8	68.8	73.8
257	308	388	518	781	*4.65	10.30	2.24	33.1	34.6	35.6	36.1	38.2	39.7	41.2	42.2	44.2	45.7	47.2	49.7	50.7	54.2	58.2	63.2	68.2	73.2
257	308	388	518	781	*6.30	14.00	2.24	28.8	30.3	31.3	31.8	33.8	35.3	36.9	37.9	39.9	41.4	42.9	45.4	46.4	49.9	53.9	58.9	63.9	68.9
256	307	387	516	778	*4.90	10.90	2.25	32.5	34.0	35.0	35.5	37.5	39.0	40.5	41.5	43.5	45.0	46.5	49.0	50.0	53.5	57.5	62.5	67.5	72.5
256	307	387	516	778	12.50	28.00	2.25									22.9	24.5	26.0	28.6	29.7	33.3	37.4	42.5	47.6	52.6
254	305	385	513	774	*5.90	13.20	2.26	29.8	31.3	32.3	32.8	34.8	36.3	37.8	38.8	40.8	42.3	43.8	46.4	47.4	50.9	54.9	59.9	64.9	69.9
254	305	385	513	774	*6.70	15.00	2.26	27.6	29.2	30.2	30.7	32.7	34.2	35.7	36.7	38.7	40.2	41.8	44.3	45.3	48.8	52.8	57.8	62.8	67.8
254	305	385	513	774	14.00	31.50	2.26												24.2	25.2	28.9	33.1	38.3	43.4	48.5
253	304	383	511	771	7.10	16.00	2.27	26.5	28.0	29.0	29.5	31.5	33.1	34.6	35.6	37.6	39.1	40.6	43.1	44.1	47.6	51.7	56.7	61.7	66.7
251	301	380	507	764	*5.20	11.80	2.29	31.5	33.0	34.0	34.5	36.5	38.0	39.5	40.5	42.5	44.0	45.5	48.0	49.0	52.5	56.6	61.6	66.6	71.6
250	300	378	504	761	*5.50	12.50	2.30	30.7	32.2	33.2	33.7	35.7	37.2	38.7	39.7	41.7	43.2	44.7	47.2	48.2	51.7	55.8	60.8	65.8	70.8
250	300	378	504	761	10.30	23.60	2.30		18.7	19.7	20.3	22.4	23.9	25.5	26.5	28.6	30.1	31.7	34.2	35.2	38.8	42.9	47.9	53.0	58.0
249	299	377	502	758	9.25	21.20	2.31	20.2	21.8	22.8	23.3	25.4	26.9	28.5	29.5	31.5	33.0	34.6	37.1	38.1	41.7	45.7	50.7	55.8	60.8
247	296	373	498	751	*4.90	11.30	2.33	32.1	33.6	34.6	35.1	37.1	38.6	40.1	41.2	43.2	44.7	46.2	48.7	49.7	53.2	57.2	62.2	67.2	72.2
245	294	370	494	745	8.00	18.70	2.35	23.4	25.0	26.0	26.5	28.5	30.1	31.6	32.6	34.6	36.1	37.6	40.2	41.2	44.7	48.7	53.8	58.8	63.8
245	294	370	494	745	16.00	37.50	2.35																31.1	36.4	41.6
243	291	367	489	738	*4.40	10.30	2.37	33.3	34.8	35.8	36.3	38.3	39.8	41.3	42.4	44.4	45.9	47.4	49.9	50.9	54.4	58.4	63.4	68.4	73.4
243	291	367	489	738	*4.65	10.90	2.37	32.6	34.1	35.1	35.7	37.7	39.2	40.7	41.7	43.7	45.2	46.7	49.2	50.2	53.7	57.7	62.7	67.7	72.7
243	291	367	489	738	9.00	21.20	2.37	20.4	21.9	23.0	23.5	25.5	27.1	28.6	29.7	31.7	33.2	34.7	37.3	38.3	41.8	45.9	50.9	55.9	61.0
242	290	366	487	735	11.80	28.00	2.38								21.2	23.3	24.9	26.5	29.1	30.1	33.8	37.9	43.0	48.1	53.1
240	288	363	483	729	*5.90	14.00	2.40	29.1	30.6	31.6	32.1	34.1	35.6	37.1	38.2	40.2	41.7	43.2	45.7	46.7	50.2	54.2	59.2	64.2	69.3
240	288	363	483	729	*6.30	15.00	2.40	27.9	29.4	30.5	31.0	33.0	34.5	36.0	37.0	39.0	40.5	42.0	44.6	45.6	49.1	53.1	58.1	63.1	68.1
240	288	363	483	729	13.20	31.50	2.40												24.7	25.7	29.5	33.6	38.8	43.9	49.0
239	286	361	481	726	*6.70	16.00	2.41	26.8	28.3	29.3	29.8	31.8	33.3	34.9	35.9	37.9	39.4	40.9	43.4	44.4	47.9	52.0	57.0	62.0	67.0
237	284	358	477	720	*5.20	12.50	2.43	30.9	32.4	33.4	33.9	35.9	37.4	38.9	39.9	41.9	43.4	45.0	47.5	48.5	52.0	56.0	61.0	66.0	71.0
237	284	358	477	720	*5.50	13.20	2.43	30.1	31.6	32.6	33.1	35.1	36.6	38.1	39.1	41.1	42.6	44.1	46.7	47.7	51.2	55.2	60.2	65.2	70.2

Key to correction factors: 0.8 0.9 1.0

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

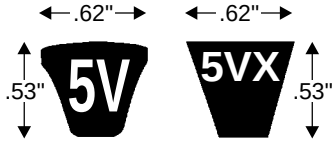


V-Belt No. and Center Distance														Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																Super HC					Super HC Molded Notch				
																RPM of Small Sheave					RPM of Small Sheave				
5V 5VX 1800	5V 5VX 1900	5V 5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
64.6	69.6	74.6	80.6	86.6	92.6	99.7	107.2	114.7	124.7	132.2	142.2	152.2		10.90	21.20	12.9	15.2	18.5	23.5	31.6	14.2	16.8	20.6	26.5	37.2
79.2	84.3	89.3												*4.65	9.00						4.10	4.81	5.89	7.54	10.7
52.1	57.2	62.2	68.3	74.3	80.3	87.3	94.9	102.4	112.4	119.9	130.0	140.0		16.00	31.50	20.6	24.0	29.1	36.1	†	22.1	25.9	31.8	40.3	†
74.3	79.3	84.3												*6.70	13.20						7.51	8.84	10.9	14.0	19.9
73.3	78.4	83.4	89.4	95.4	101.4	108.4	115.9	123.4	133.4	140.9	150.9	160.9		7.10	14.00	6.97	8.17	9.96	12.7	17.5	8.16	9.61	11.8	15.2	21.7
77.8	82.8	87.8												*5.20	10.30						5.03	5.90	7.24	9.30	13.2
77.1	82.1	87.1												*5.50	10.90						5.53	6.50	7.97	10.3	14.6
75.2	80.2	85.2												*6.30	12.50						6.85	8.06	9.91	12.8	18.2
79.0	84.1	89.1												*4.65	9.25						4.10	4.81	5.89	7.54	10.7
78.5	83.5	88.5												*4.90	9.75						4.52	5.31	6.50	8.34	11.8
72.2	77.2	82.2	88.2	94.3	100.3	107.3	114.8	122.3	132.3	139.8	149.8	159.8		7.50	15.00	7.61	8.92	10.9	13.9	19.1	8.81	10.4	12.8	16.5	23.4
71.0	76.0	81.1	87.1	93.1	99.1	106.1	113.6	121.1	131.1	138.6	148.6	158.6		8.00	16.00	8.41	9.86	12.0	15.3	21.1	9.62	11.3	14.0	18.0	25.5
61.9	66.9	72.0	78.0	84.0	90.0	97.0	104.5	112.0	122.1	129.6	139.6	149.6		11.80	23.60	14.3	16.8	20.5	25.9	34.5	15.6	18.4	22.7	29.1	40.5
56.6	61.6	66.6	72.7	78.7	84.7	91.7	99.3	106.8	116.8	124.3	134.3	144.3		14.00	28.00	17.6	20.6	25.1	31.4	40.6	19.0	22.4	27.5	35.1	48.2
76.0	81.0	86.0												*5.90	11.80						6.19	7.28	8.94	11.5	16.4
67.9	72.9	77.9	83.9	89.9	95.9	102.9	110.4	118.0	128.0	135.5	145.5	155.5		9.25	18.70	10.4	12.2	14.9	18.9	25.9	11.6	13.7	16.9	21.7	30.7
79.4	84.4	89.4												*4.40	9.00						3.68	4.31	5.27	6.73	9.49
76.8	81.8	86.8												*5.50	11.30						5.53	6.50	7.97	10.3	14.6
65.0	70.0	75.1	81.1	87.1	93.1	100.1	107.6	115.1	125.1	132.6	142.7	152.7		10.30	21.20	12.0	14.1	17.2	21.8	29.6	13.3	15.7	19.3	24.8	34.9
68.1	73.1	78.1	84.1	90.1	96.1	103.1	110.6	118.1	128.2	135.7	145.7	155.7		9.00	18.70	9.99	11.7	14.3	18.2	24.9	11.2	13.2	16.3	21.0	29.7
62.3	67.3	72.3	78.3	84.4	90.4	97.4	104.9	112.4	122.4	129.9	140.0	150.0		11.30	23.60	13.6	15.9	19.4	24.5	32.9	14.9	17.5	21.5	27.7	38.7
74.6	79.6	84.6												*6.30	13.20						6.85	8.06	9.91	12.8	18.2
73.7	78.7	83.7												*6.70	14.00						7.51	8.84	10.9	14.0	19.9
52.8	57.9	62.9	69.0	75.0	81.1	88.1	95.6	103.1	113.2	120.7	130.7	140.7		15.00	31.50	19.1	22.4	27.1	33.8	†43.0	20.6	24.2	29.6	37.8	†51.3
78.6	83.7	88.7												*4.65	9.75						4.10	4.81	5.89	7.54	10.7
77.3	82.3	87.3												*5.20	10.90						5.03	5.90	7.24	9.30	13.2
79.2	84.2	89.2												*4.40	9.25						3.68	4.31	5.27	6.73	9.49
78.0	83.0	88.0												*4.90	10.30						4.52	5.31	6.50	8.34	11.8
72.5	77.5	82.5	88.6	94.6	100.6	107.6	115.1	122.6	132.6	140.1	150.1	160.1		7.10	15.00	6.97	8.17	9.96	12.7	17.5	8.16	9.61	11.8	15.2	21.7
57.2	62.2	67.2	73.3	79.3	85.3	92.3	99.9	107.4	117.4	124.9	134.9	145.0		13.20	28.00	16.4	19.3	23.4	29.5	38.6	17.8	21.0	25.8	33.0	45.5
75.5	80.5	85.5												*5.90	12.50						6.19	7.28	8.94	11.5	16.4
71.4	76.4	81.4	87.4	93.4	99.5	106.5	114.0	121.5	131.5	139.0	149.0	159.0		7.50	16.00	7.61	8.92	10.9	13.9	19.1	8.81	10.4	12.8	16.5	23.4
76.3	81.4	86.4												*5.50	11.80						5.53	6.50	7.97	10.3	14.6
62.6	67.6	72.6	78.6	84.7	90.7	97.7	105.2	112.7	122.7	130.2	140.3	150.3		10.90	23.60	12.9	15.2	18.5	23.5	31.6	14.2	16.8	20.6	26.5	37.2
65.4	70.5	75.5	81.5	87.5	93.5	100.5	108.0	115.6	125.6	133.1	143.1	153.1		9.75	21.20	11.2	13.1	16.0	20.3	27.7	12.4	14.6	18.0	23.2	32.7
77.0	82.0	87.0												*5.20	11.30						5.03	5.90	7.24	9.30	13.2
68.4	73.5	78.5	84.5	90.5	96.5	103.5	111.0	118.5	128.5	136.0	146.0	156.1		8.50	18.70	9.21	10.8	13.2	16.8	23.0	10.4	12.3	15.1	19.5	27.6
78.8	83.8	88.8												*4.40	9.75						3.68	4.31	5.27	6.73	9.49
78.2	83.2	88.2												*4.65	10.30						4.10	4.81	5.89	7.54	10.7
74.0	79.0	84.0												*6.30	14.00						6.85	8.06	9.91	12.8	18.2
77.5	82.5	87.5												*4.90	10.90						4.52	5.31	6.50	8.34	11.8
57.7	62.7	67.7	73.8	79.8	85.8	92.9	100.4	107.9	117.9	125.5	135.5	145.5		12.50	28.00	15.4	18.0	22.0	27.7	36.6	16.7	19.7	24.2	31.0	43.0
74.9	79.9	84.9												*5.90	13.20						6.19	7.28	8.94	11.5	16.4
72.8	77.8	82.9												*6.70	15.00						7.51	8.84	10.9	14.0	19.9
53.5	58.6	63.7	69.7	75.8	81.8	88.8	96.4	103.9	113.9	121.4	131.5	141.5		14.00	31.50	17.6	20.6	25.1	31.4	40.6	19.0	22.4	27.5	35.1	48.2
71.7	76.7	81.7	87.7	93.8	99.8	106.8	114.3	121.8	131.8	139.3	149.3	159.3		7.10	16.00	6.97	8.17	9.96	12.7	17.5	8.16	9.61	11.8	15.2	21.7
76.6	81.6	86.6												*5.20	11.80						5.03	5.90	7.24	9.30	13.2
75.8	80.8	85.8												*5.50	12.50						5.53	6.50	7.97	10.3	14.6
63.0	68.0	73.1	79.1	85.1	91.1	98.1	105.7	113.2	123.2	130.7	140.7	150.7		10.30	23.60	12.0	14.1	17.2	21.8	29.6	13.3	15.7	19.3	24.8	34.9
65.8	70.8	75.8	81.9	87.9	93.9	100.9	108.4	115.9	125.9	133.5	143.5	153.5		9.25	21.20	10.4	12.2	14.9	18.9	25.9	11.6	13.7	16.9	21.7	30.7
77.2	82.2	87.2												*4.90	11.30						4.52	5.31	6.50	8.34	11.8
68.8	73.8	78.8	84.9	90.9	96.9	103.9	111.4	118.9	128.9	136.4	146.4	156.4		8.00	18.70	8.41	9.86	12.0	15.3	21.1	9.62	11.3	14.0	18.0	25.5
46.7	51.9	57.0	63.1	69.1	75.2	82.3	89.8	97.4	107.4	115.0	125.0	135.1		16.00	37.50	20.6	24.0	29.1	36.1	†	22.1	25.9	31.8	40.3	†
78.4	83.4	88.4												*4.40	10.30						3.68	4.31	5.27	6.73	9.49
77.7	82.7	87.7												*4.65	10.90						4.10	4.81	5.89	7.54	10.7
66.0	71.0	76.0	82.1	88.1	94.1	101.1	108.6	116.1	126.1	133.6	143.7	153.7		9.00	21.20	9.99	11.7	14.3	18.2	24.9	11.2	13.2	16.3	21.0	29.7
58.2	63.2	68.3	74.3	80.3	86.4	93.4	100.9	108.4	118.5	126.0	136.0	146.0		11.80	28.00	14.3	16.8	20.5	25.9	34.5	15.6	18.4	22.7	29.1	40.5
74.3	79.3	84.3												*5.90	14.00						6.19	7.28	8.94	11.5	16.4
73.1	78.1	83.2												*6.30	15.00						6.85	8.06	9.91	12.8	18.2
54.1	59.2	64.2	70.3	76.3	82.4	89.4	97.0	104.5	114.5	122.0	132.1	142.1		13.20	31.50	16.4	19.3	23.4	29.5	38.6	17.8	21.0	25.8	33.0	45.5
72.0	77.0	82.0												*6.70	16.00						7.51	8.84	10.9	14.0	19.9
76.0	81.0	86.0												*5.20	12.50						5.03	5.90	7.24	9.30	13.2
75.2	80.2	85.2												*5.50	13.20						5.53	6.50	7.97	10.3	14.6

Key to correction factors: 1.0 1.1 1.2

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



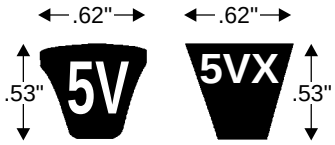
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																				
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5VX 450	5VX 470	5VX 490	5V 5VX 500	5VX 510	5V 5VX 530	5VX 540	5VX 550	5V 5VX 560	5VX 570	5VX 580	5VX 590	5V 5VX 600	5VX 610	5V 5VX 630	5VX 650	5VX 660	5V 5VX 670
236	283	357	475	717	*4.90	11.80	2.44		9.8	10.8	11.4	11.9	12.9	13.4	14.0	14.5	15.0	15.5	16.0	16.5	17.0	18.1	19.1	19.6	20.1
236	283	357	475	717	9.75	23.60	2.44																					
234	280	354	472	711	*4.65	11.30	2.46	9.4	10.4	11.5	12.0	12.5	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.7	18.7	19.7	20.2	20.7
231	277	349	466	703	11.30	28.00	2.49																					
229	275	347	462	697	*4.40	10.90	2.51	9.9	11.0	12.0	12.6	13.1	14.1	14.6	15.1	15.6	16.2	16.7	17.2	17.7	18.2	19.2	20.2	20.7	21.2
229	275	347	462	697	7.50	18.70	2.51																					
229	275	347	462	697	8.50	21.20	2.51																					
229	275	347	462	697	15.00	37.50	2.51																					
227	273	344	458	692	12.50	31.50	2.53																					
225	270	340	453	684	*6.30	16.00	2.56															13.1	14.1	14.7	15.2
224	268	339	451	681	*4.65	11.80	2.57		9.9	11.0	11.5	12.0	13.1	13.6	14.1	14.6	15.2	15.7	16.2	16.7	17.2	18.2	19.2	19.8	20.3
224	268	339	451	681	*5.20	13.20	2.57					10.3	11.3	11.9	12.4	12.9	13.4	14.0	14.5	15.0	15.5	16.6	17.6	18.1	18.6
224	268	339	451	681	*5.50	14.00	2.57							10.8	11.4	11.9	12.5	13.0	13.5	14.0	14.6	15.6	16.6	17.2	17.7
224	268	339	451	681	*5.90	15.00	2.57											11.7	12.2	12.8	13.3	14.4	15.4	15.9	16.5
224	268	339	451	681	9.25	23.60	2.57																		
223	267	337	450	678	*4.90	12.50	2.58			10.1	10.6	11.2	12.2	12.8	13.3	13.8	14.3	14.8	15.4	15.9	16.4	17.4	18.4	19.0	19.5
223	267	337	450	678	10.90	28.00	2.58																		
221	265	335	446	673	*4.40	11.30	2.60	9.5	10.6	11.7	12.2	12.7	13.7	14.2	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.9	19.9	20.4	20.9
218	261	330	439	663	9.00	23.60	2.64																		
216	259	327	436	658	7.10	18.70	2.66																		
215	258	326	434	655	8.00	21.20	2.67																		
215	257	325	433	653	11.80	31.50	2.68																		
214	257	323	431	651	14.00	37.50	2.69																		
211	254	320	426	643	*4.40	11.80	2.72		10.1	11.2	11.7	12.2	13.3	13.8	14.3	14.8	15.3	15.8	16.4	16.9	17.4	18.4	19.4	19.9	20.4
211	253	319	425	641	*4.65	12.50	2.73			10.3	10.8	11.3	12.4	12.9	13.5	14.0	14.5	15.0	15.5	16.0	16.6	17.6	18.6	19.1	19.6
211	253	319	425	641	*4.90	13.20	2.73					10.4	11.5	12.1	12.6	13.1	13.6	14.2	14.7	15.2	15.7	16.8	17.8	18.3	18.8
211	253	319	425	641	*5.20	14.00	2.73							11.0	11.6	12.1	12.6	13.2	13.7	14.2	14.8	15.8	16.8	17.4	17.9
210	252	318	423	639	*5.90	16.00	2.74														12.2	13.3	14.4	14.9	15.5
210	252	318	423	639	10.30	28.00	2.74																		
208	250	315	420	634	*5.50	15.00	2.76										11.4	11.9	12.5	13.0	13.6	14.6	15.7	16.2	16.7
205	246	311	414	625	8.50	23.60	2.80																		
205	246	311	414	625	11.30	31.50	2.80																		
204	245	309	411	621	*6.70	18.70	2.82																		
202	242	305	407	614	7.50	21.20	2.85																		
202	242	305	407	614	13.20	37.50	2.85																		
200	240	302	403	608	*4.40	12.50	2.88			10.4	11.0	11.5	12.6	13.1	13.6	14.1	14.7	15.2	15.7	16.2	16.7	17.8	18.8	19.3	19.8
200	240	302	403	608	*4.65	13.20	2.88				10.1	10.6	11.7	12.2	12.8	13.3	13.8	14.3	14.9	15.4	15.9	16.9	18.0	18.5	19.0
199	239	301	401	606	9.75	28.00	2.89																		
198	238	300	400	603	*4.90	14.00	2.90						10.7	11.2	11.8	12.3	12.8	13.4	13.9	14.4	15.0	16.0	17.0	17.6	18.1
198	237	299	399	601	10.90	31.50	2.91																		
197	236	298	397	599	*5.20	15.00	2.92										11.6	12.1	12.7	13.2	13.8	14.8	15.9	16.4	16.9
196	235	296	395	595	*5.50	16.00	2.94													11.9	12.5	13.6	14.7	15.2	15.7
194	232	293	391	589	8.00	23.60	2.97																		
192	230	290	387	583	*6.30	18.70	3.00																		
191	229	289	385	581	7.10	21.20	3.01																		
190	228	288	384	579	12.50	37.50	3.02																		
189	226	285	380	574	*4.40	13.20	3.05				10.2	10.8	11.9	12.4	12.9	13.5	14.0	14.5	15.0	15.6	16.1	17.1	18.1	18.7	19.2
189	226	285	380	574	*4.65	14.00	3.05						10.8	11.4	11.9	12.5	13.0	13.5	14.1	14.6	15.1	16.2	17.2	17.7	18.3
189	226	285	380	574	9.25	28.00	3.05																		
187	224	282	377	568	10.30	31.50	3.08																		
185	223	281	374	565	*4.90	15.00	3.10									11.2	11.8	12.3	12.9	13.4	13.9	15.0	16.1	16.6	17.1
184	221	279	372	561	*5.20	16.00	3.12												11.6	12.1	12.7	13.8	14.9	15.4	15.9
184	220	278	371	559	9.00	28.00	3.13																		
183	220	277	369	557	16.00	50.00	3.14																		
181	217	274	365	550	7.50	23.60	3.18																		
180	216	272	363	547	*6.70	21.20	3.20																		
180	216	272	363	547	11.80	37.50	3.20																		
179	215	271	361	545	*5.90	18.70	3.21																		
178	214	269	359	542	*4.40	14.00	3.23						11.0	11.5	12.1	12.6	13.2	13.7	14.2	14.8	15.3	16.3	17.4	17.9	18.4
177	212	268	357	538	9.75	31.50	3.25																		
176	211	266	355	535	*4.65	15.00	3.27								10.8	11.4	11.9	12.5	13.0	13.6	14.1	15.2	16.2	16.8	17.3
174	208	263	350	529	*4.90	16.00	3.31												11.7	12.3	12.9	14.0	15.0	15.6	16.1
173	208	262	349	527	8.50	28.00	3.32																		

Key to correction factors: 0.7 0.8 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

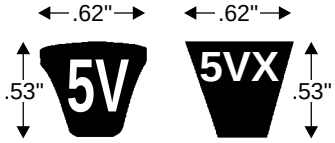


V-Belt No. and Center Distance															Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																	Super HC					Super HC Molded Notch				
																	RPM of Small Sheave					RPM of Small Sheave				
5VX 680	5VX 690	5V 5VX 710	5VX 730	5VX 740	5V 5VX 750	5VX 780	5V 5VX 800	5VX 810	5VX 830	5VX 840	5V 5VX 850	5VX 860	5VX 880		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
20.6	21.1	22.1	23.1	23.6	24.1	25.7	26.7	27.2	28.2	28.7	29.2	29.7	30.7		*4.90	11.80						4.52	5.31	6.50	8.34	11.4
															9.75	23.60	11.2	13.1	16.0	20.3	27.7	12.4	14.6	18.0	23.2	32.7
21.2	21.7	22.7	23.7	24.2	24.7	26.3	27.3	27.8	28.8	29.3	29.8	30.3	31.3		*4.65	11.30						4.10	4.81	5.89	7.54	10.7
															11.30	28.00	13.6	15.9	19.4	24.5	32.9	14.9	17.5	21.5	27.7	38.7
21.7	22.2	23.3	24.3	24.8	25.3	26.8	27.8	28.3	29.3	29.8	30.3	30.8	31.8		*4.40	10.90						3.68	4.31	5.27	6.73	9.49
			14.9	15.4	15.9	17.5	18.6	19.1	20.1	20.7	21.2	21.7	22.7		7.50	18.70	7.61	8.92	10.9	13.9	19.1	8.81	10.4	12.8	16.5	23.4
								15.9	17.0	17.5	18.0	18.6	19.6		8.50	21.20	9.21	10.8	13.2	16.8	23.0	10.4	12.3	15.1	19.5	27.6
															15.00	37.50	19.1	22.4	27.1	33.8	†43.0	20.6	24.2	29.6	37.8	†51.3
															12.50	31.50	15.4	18.0	22.0	27.7	36.6	16.7	19.7	24.2	31.0	43.0
15.7	16.3	17.3	18.3	18.9	19.4	20.9	21.9	22.5	23.5	24.0	24.5	25.0	26.0		*6.30	16.00						6.85	8.06	9.91	12.8	18.2
20.8	21.3	22.3	23.3	23.8	24.3	25.8	26.8	27.3	28.4	28.9	29.4	29.9	30.9		*4.65	11.80						4.10	4.81	5.89	7.54	10.7
19.1	19.6	20.7	21.7	22.2	22.7	24.2	25.2	25.7	26.7	27.3	27.8	28.3	29.3		*5.20	13.20						5.03	5.90	7.24	9.30	13.2
18.2	18.7	19.7	20.7	21.3	21.8	23.3	24.3	24.8	25.8	26.3	26.8	27.4	28.4		*5.50	14.00						5.53	6.50	7.97	10.3	14.6
17.0	17.5	18.5	19.6	20.1	20.6	22.1	23.1	23.6	24.7	25.2	25.7	26.2	27.2		*5.90	15.00						6.19	7.28	8.94	11.5	16.4
															9.25	23.60	10.4	12.2	14.9	18.9	25.9	11.6	13.7	16.9	21.7	30.7
20.0	20.5	21.5	22.5	23.0	23.5	25.0	26.1	26.6	27.6	28.1	28.6	29.1	30.1		*4.90	12.50						4.52	5.31	6.50	8.34	11.8
															10.90	28.00	12.9	15.2	18.5	23.5	31.6	14.2	16.8	20.6	26.5	37.2
21.4	21.9	22.9	23.9	24.4	24.9	26.4	27.5	28.0	29.0	29.5	30.0	30.5	31.5		*4.40	11.30						3.68	4.31	5.27	6.73	9.49
															9.00	23.60	9.99	11.7	14.3	18.2	24.9	11.2	13.2	16.3	21.0	29.7
		14.0	15.1	15.6	16.2	17.8	18.8	19.4	20.4	20.9	21.4	22.0	23.0		7.10	18.70	6.97	8.17	9.96	12.7	17.5	8.16	9.61	11.8	15.2	21.7
							15.7	16.2	17.3	17.8	18.4	18.9	20.0		8.00	21.20	8.41	9.86	12.0	15.3	21.1	9.62	11.3	14.0	18.0	25.5
															11.80	31.50	14.3	16.8	20.5	25.9	34.5	15.6	18.4	22.7	29.1	40.5
															14.00	37.50	17.6	20.6	25.1	31.4	40.6	19.0	22.4	27.5	35.1	48.2
20.9	21.5	22.5	23.5	24.0	24.5	26.0	27.0	27.5	28.5	29.0	29.5	30.0	31.1		*4.40	11.80						3.68	4.31	5.27	6.73	9.49
20.1	20.7	21.7	22.7	23.2	23.7	25.2	26.2	26.7	27.8	28.3	28.8	29.3	30.3		*4.65	12.50						4.10	4.81	5.89	7.54	10.7
19.3	19.8	20.9	21.9	22.4	22.9	24.4	25.4	26.0	27.0	27.5	28.0	28.5	29.5		*4.90	13.20						4.52	5.31	6.50	8.34	11.8
18.4	18.9	19.9	21.0	21.5	22.0	23.5	24.5	25.0	26.0	26.6	27.1	27.6	28.6		*5.20	14.00						5.03	5.90	7.24	9.30	13.2
16.0	16.5	17.6	18.6	19.1	19.6	21.2	22.2	22.7	23.8	24.3	24.8	25.3	26.3		*5.90	16.00						6.19	7.28	8.94	11.5	16.4
															10.30	28.00	12.0	14.1	17.2	21.8	29.6	13.3	15.7	19.3	24.8	34.9
17.2	17.8	18.8	19.8	20.3	20.9	22.4	23.4	23.9	24.9	25.5	26.0	26.5	27.5		*5.50	15.00						5.53	6.50	7.97	10.3	14.6
													17.1		8.50	23.60	9.21	10.8	13.2	16.8	23.0	10.4	12.3	15.1	19.5	27.6
															11.30	31.50	13.6	15.9	19.4	24.5	32.9	14.9	17.5	21.5	27.7	38.7
		14.3	15.4	15.9	16.4	18.0	19.1	19.6	20.7	21.2	21.7	22.2	23.3		*6.70	18.70						7.51	8.84	10.9	14.0	19.9
							16.0	16.5	17.6	18.2	18.7	19.2	20.3		7.50	21.20	7.61	8.92	10.9	13.9	19.1	8.81	10.4	12.8	16.5	23.4
															13.20	37.50	16.4	19.3	23.4	29.5	38.6	17.8	21.0	25.8	33.0	45.5
20.3	20.8	21.9	22.9	23.4	23.9	25.4	26.4	26.9	27.9	28.4	28.9	29.4	30.5		*4.40	12.50						3.68	4.31	5.27	6.73	9.49
19.5	20.0	21.0	22.1	22.6	23.1	24.6	25.6	26.1	27.1	27.6	28.2	28.7	29.7		*4.65	13.20						4.10	4.81	5.89	7.54	10.7
															9.75	28.00	11.2	13.1	16.0	20.3	27.7	12.4	14.6	18.0	23.2	32.7
18.6	19.1	20.1	21.2	21.7	22.2	23.7	24.7	25.2	26.3	26.8	27.3	27.8	28.8		*4.90	14.00						4.52	5.31	6.50	8.34	11.8
															10.90	31.50	12.9	15.2	18.5	23.5	31.6	14.2	16.8	20.6	26.5	37.2
17.4	18.0	19.0	20.0	20.5	21.1	22.6	23.6	24.1	25.2	25.7	26.2	26.7	27.7		*5.20	15.00						5.03	5.90	7.24	9.30	13.2
16.3	16.8	17.8	18.9	19.4	19.9	21.5	22.5	23.0	24.0	24.6	25.1	25.6	26.6		*5.50	16.00						5.53	6.50	7.97	10.3	14.6
													17.4		8.00	23.60	8.41	9.86	12.0	15.3	21.1	9.62	11.3	14.0	18.0	25.5
		14.5	15.6	16.2	16.7	18.3	19.4	19.9	20.9	21.5	22.0	22.5	23.5		*6.30	18.70						6.85	8.06	9.91	12.8	18.2
							16.2	16.8	17.9	18.4	18.9	19.5	20.6		7.10	21.20	6.97	8.17	9.96	12.7	17.5	8.16	9.61	11.8	15.2	21.7
															12.50	37.50	15.4	18.0	22.0	27.7	36.6	16.7	19.7	24.2	31.0	43.0
19.7	20.2	21.2	22.2	22.8	23.3	24.8	25.8	26.3	27.3	27.8	28.3	28.8	29.9		*4.40	13.20						3.68	4.31	5.27	6.73	9.49
18.8	19.3	20.3	21.3	21.9	22.4	23.9	24.9	25.4	26.4	26.9	27.5	28.0	29.0		*4.65	14.00						4.10	4.81	5.89	7.54	10.7
															9.25	28.00	10.4	12.2	14.9	18.9	25.9	11.6	13.7	16.9	21.7	30.7
															10.30	31.50	12.0	14.1	17.2	21.8	29.6	13.3	15.7	19.3	24.8	34.9
17.6	18.2	19.2	20.2	20.8	21.3	22.8	23.8	24.3	25.4	25.9	26.4	26.9	27.9		*4.90	15.00						4.52	5.31	6.50	8.34	11.8
16.5	17.0	18.0	19.1	19.6	20.1	21.7	22.7	23.2	24.2	24.8	25.3	25.8	26.8		*5.20	16.00						5.03	5.90	7.24	9.30	13.2
															9.00	28.00	9.99	11.7	14.3	18.2	24.9	11.2	13.2	16.3	21.0	29.7
															16.00	50.00	20.6	24.0	29.1	36.1	†	22.1	25.9	31.8	40.3	†
												16.6	17.7		7.50	23.60	7.61	8.92	10.9	13.9	19.1	8.81	10.4	12.8	16.5	23.4
						15.3	16.5	17.0	18.1	18.7	19.2	19.7	20.8		*6.70	21.20						7.51	8.84	10.9	14.0	19.9
															11.80	37.50	14.3	16.8	20.5	25.9	34.5	15.6	18.4	22.7	29.1	40.5
	13.6	14.8	15.9	16.4	17.0	18.6	19.6	20.2	21.2	21.7	22.3	22.8	23.8		*5.90	18.70						6.19	7.28	8.94	11.5	16.4
18.9	19.5	20.5	21.5	22.0	22.5	24.1	25.1	25.6	26.6	27.1	27.6	28.1	29.2		*4.40	14.00						3.68	4.31	5.27	6.73	9.49
															9.75	31.50	11.2	13.1	16.0	20.3	27.7	12.4	14.6	18.0	23.2	32.7
17.8	18.3	19.4	20.4	20.9	21.4	23.0	24.0	24.5	25.5	26.1	26.6	27.1	28.1		*4.65	15.00						4.10	4.81	5.89	7.54	10.7
16.7	17.2	18.2	19.3	19.8	20.3	21.9	22.9	23.4	24.5	25.0	25.5	26.0	27.0		*4.90	16.00						4.52	5.31	6.50	8.34	11.8
															8.50	28.00	9.21	10.8	13.2	16.8	23.0	10.4	12.3	15.1	19.5	27.6

Key to correction factors: 0.8 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



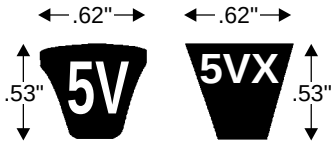
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																				
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5V 5VX 900	5VX 930	5V 5VX 950	5VX 960	5V 5VX 1000	5VX 1030	5V 5VX 1060	5VX 1080	5V 5VX 1120	5VX 1150	5V 5VX 1180	5VX 1230	5V 5VX 1250	5V 5VX 1320	5V 5VX 1400	5V 5VX 1500	5V 5VX 1600	5V 5VX 1700
236	283	357	475	717	*4.90	11.80	2.44	31.7	33.2	34.2	34.7	36.7	38.2	39.7	40.7	42.7	44.2	45.8	48.3	49.3	52.8	56.8	61.8	66.8	71.8
236	283	357	475	717	9.75	23.60	2.44		19.0	20.1	20.6	22.7	24.3	25.9	26.9	29.0	30.5	32.1	34.6	35.6	39.2	43.3	48.3	53.4	58.4
234	280	354	472	711	*4.65	11.30	2.46	32.3	33.8	34.8	35.3	37.3	38.8	40.3	41.3	43.3	44.8	46.4	48.9	49.9	53.4	57.4	62.4	67.4	72.4
231	277	349	466	703	11.30	28.00	2.49								21.5	23.6	25.2	26.8	29.4	30.5	34.1	38.2	43.3	48.4	53.5
229	275	347	462	697	*4.40	10.90	2.51	32.8	34.3	35.3	35.8	37.8	39.3	40.9	41.9	43.9	45.4	46.9	49.4	50.4	53.9	57.9	62.9	67.9	72.9
229	275	347	462	697	7.50	18.70	2.51	23.8	25.3	26.3	26.8	28.9	30.4	31.9	32.9	35.0	36.5	38.0	40.5	41.5	45.1	49.1	54.1	59.2	64.2
229	275	347	462	697	8.50	21.20	2.51	20.7	22.3	23.3	23.8	25.9	27.4	29.0	30.0	32.0	33.6	35.1	37.6	38.7	42.2	46.2	51.3	56.3	61.3
229	275	347	462	697	15.00	37.50	2.51																31.8	37.0	42.3
227	273	344	458	692	12.50	31.50	2.53												25.1	26.2	29.9	34.1	39.3	44.4	49.5
225	270	340	453	684	*6.30	16.00	2.56	27.0	28.6	29.6	30.1	32.1	33.6	35.2	36.2	38.2	39.7	41.2	43.7	44.7	48.2	52.3	57.3	62.3	67.3
224	268	339	451	681	*4.65	11.80	2.57	31.9	33.4	34.4	34.9	36.9	38.4	39.9	40.9	42.9	44.4	45.9	48.4	49.5	53.0	57.0	62.0	67.0	72.0
224	268	339	451	681	*5.20	13.20	2.57	30.3	31.8	32.8	33.3	35.3	36.8	38.3	39.3	41.4	42.9	44.4	46.9	47.9	51.4	55.4	60.4	65.4	70.4
224	268	339	451	681	*5.50	14.00	2.57	29.4	30.9	31.9	32.4	34.4	35.9	37.4	38.4	40.5	42.0	43.5	46.0	47.0	50.5	54.5	59.5	64.5	69.6
224	268	339	451	681	*5.90	15.00	2.57	28.2	29.7	30.7	31.3	33.3	34.8	36.3	37.3	39.3	40.8	42.3	44.9	45.9	49.4	53.4	58.4	63.4	68.4
224	268	339	451	681	9.25	23.60	2.57	17.7	19.4	20.4	21.0	23.1	24.6	26.2	27.2	29.3	30.9	32.4	35.0	36.0	39.5	43.6	48.7	53.7	58.8
223	267	337	450	678	*4.90	12.50	2.58	31.1	32.6	33.6	34.1	36.1	37.6	39.1	40.2	42.2	43.7	45.2	47.7	48.7	52.2	56.2	61.2	66.2	71.2
223	267	337	450	678	10.90	28.00	2.58							20.7	21.7	23.9	25.5	27.1	29.7	30.8	34.4	38.5	43.6	48.7	53.8
221	265	335	446	673	*4.40	11.30	2.60	32.5	34.0	35.0	35.5	37.5	39.0	40.5	41.5	43.5	45.0	46.5	49.0	50.1	53.6	57.6	62.6	67.6	72.6
218	261	330	439	663	9.00	23.60	2.64	17.9	19.5	20.6	21.1	23.2	24.8	26.4	27.4	29.5	31.0	32.6	35.1	36.2	39.7	43.8	48.8	53.9	58.9
216	259	327	436	658	7.10	18.70	2.66	24.0	25.6	26.6	27.1	29.2	30.7	32.2	33.2	35.3	36.8	38.3	40.8	41.8	45.4	49.4	54.4	59.5	64.5
215	258	326	434	655	8.00	21.20	2.67	21.0	22.6	23.6	24.2	26.2	27.8	29.3	30.3	32.4	33.9	35.5	38.0	39.0	42.6	46.6	51.6	56.7	61.7
215	257	325	433	653	11.80	31.50	2.68											22.8	25.6	26.7	30.4	34.6	39.8	44.9	50.0
214	257	323	431	651	14.00	37.50	2.69															26.9	32.4	37.7	42.9
211	254	320	426	643	*4.40	11.80	2.72	32.1	33.6	34.6	35.1	37.1	38.6	40.1	41.1	43.1	44.6	46.1	48.6	49.6	53.1	57.2	62.2	67.2	72.2
211	253	319	425	641	*4.65	12.50	2.73	31.3	32.8	33.8	34.3	36.3	37.8	39.3	40.3	42.3	43.9	45.4	47.9	48.9	52.4	56.4	61.4	66.4	71.4
211	253	319	425	641	*4.90	13.20	2.73	30.5	32.0	33.0	33.5	35.5	37.1	38.6	39.6	41.6	43.1	44.6	47.1	48.1	51.6	55.6	60.6	65.7	70.7
211	253	319	425	641	*5.20	14.00	2.73	29.6	31.1	32.1	32.6	34.6	36.2	37.7	38.7	40.7	42.2	43.7	46.2	47.2	50.7	54.7	59.8	64.8	69.8
210	252	318	423	639	*5.90	16.00	2.74	27.3	28.9	29.9	30.4	32.4	33.9	35.4	36.4	38.5	40.0	41.5	44.0	45.0	48.5	52.6	57.6	62.6	67.6
210	252	318	423	639	10.30	28.00	2.74							21.0	22.1	24.3	25.9	27.5	30.1	31.2	34.8	38.9	44.0	49.1	54.2
208	250	315	420	634	*5.50	15.00	2.76	28.5	30.0	31.0	31.5	33.6	35.1	36.6	37.6	39.6	41.1	42.6	45.1	46.2	49.7	53.7	58.7	63.7	68.7
205	246	311	414	625	8.50	23.60	2.80	18.2	19.8	20.9	21.4	23.6	25.1	26.7	27.8	29.8	31.4	32.9	35.5	36.5	40.1	44.1	49.2	54.3	59.3
205	246	311	414	625	11.30	31.50	2.80											23.1	25.9	27.0	30.7	34.9	40.1	45.3	50.4
204	245	309	411	621	*6.70	18.70	2.82	24.3	25.9	26.9	27.4	29.4	31.0	32.5	33.5	35.5	37.1	38.6	41.1	42.1	45.7	49.7	54.7	59.7	64.8
202	242	305	407	614	7.50	21.20	2.85	21.4	22.9	24.0	24.5	26.6	28.1	29.7	30.7	32.7	34.3	35.8	38.3	39.4	42.9	47.0	52.0	57.0	62.1
202	242	305	407	614	13.20	37.50	2.85															27.4	32.9	38.2	43.5
200	240	302	403	608	*4.40	12.50	2.88	31.5	33.0	34.0	34.5	36.5	38.0	39.5	40.5	42.5	44.0	45.5	48.1	49.1	52.6	56.6	61.6	66.6	71.6
200	240	302	403	608	*4.65	13.20	2.88	30.7	32.2	33.2	33.7	35.7	37.2	38.7	39.8	41.8	43.3	44.8	47.3	48.3	51.8	55.8	60.8	65.8	70.9
199	239	301	401	606	9.75	28.00	2.89							21.4	22.5	24.6	26.2	27.8	30.5	31.5	35.2	39.3	44.4	49.5	54.6
198	238	300	400	603	*4.90	14.00	2.90	29.8	31.3	32.3	32.8	34.9	36.4	37.9	38.9	40.9	42.4	43.9	46.4	47.4	51.0	55.0	60.0	65.0	70.0
198	237	299	399	601	10.90	31.50	2.91											23.4	26.1	27.2	31.0	35.2	40.4	45.5	50.6
197	236	298	397	599	*5.20	15.00	2.92	28.7	30.2	31.3	31.8	33.8	35.3	36.8	37.8	39.8	41.3	42.9	45.4	46.4	49.9	53.9	58.9	63.9	69.0
196	235	296	395	595	*5.50	16.00	2.94	27.6	29.1	30.2	30.7	32.7	34.2	35.7	36.7	38.8	40.3	41.8	44.3	45.3	48.8	52.9	57.9	62.9	67.9
194	232	293	391	589	8.00	23.60	2.97	18.5	20.2	21.2	21.8	23.9	25.5	27.0	28.1	30.2	31.7	33.3	35.8	36.9	40.4	44.5	49.6	54.6	59.7
192	230	290	387	583	*6.30	18.70	3.00	24.6	26.1	27.2	27.7	29.7	31.2	32.8	33.8	35.8	37.3	38.9	41.4	42.4	45.9	50.0	55.0	60.0	65.1
191	229	289	385	581	7.10	21.20	3.01	21.6	23.2	24.2	24.8	26.8	28.4	29.9	31.0	33.0	34.6	36.1	38.6	39.6	43.2	47.2	52.3	57.3	62.4
190	228	288	384	579	12.50	37.50	3.02															27.9	33.4	38.7	43.9
189	226	285	380	574	*4.40	13.20	3.05	30.9	32.4	33.4	33.9	35.9	37.4	38.9	39.9	41.9	43.5	45.0	47.5	48.5	52.0	56.0	61.0	66.0	71.0
189	226	285	380	574	*4.65	14.00	3.05	30.0	31.5	32.5	33.0	35.0	36.6	38.1	39.1	41.1	42.6	44.1	46.6	47.6	51.1	55.2	60.2	65.2	70.2
189	226	285	380	574	9.25	28.00	3.05						20.0	21.7	22.8	25.0	26.6	28.2	30.8	31.9	35.5	39.6	44.8	49.9	54.9
187	224	282	377	568	10.30	31.50	3.08										22.1	23.8	26.5	27.6	31.4	35.6	40.8	45.9	51.1
185	223	281	374	565	*4.90	15.00	3.10	28.9	30.5	31.5	32.0	34.0	35.5	37.0	38.0	40.1	41.6	43.1	45.6	46.6	50.1	54.1	59.2	64.2	69.2
184	221	279	372	561	*5.20	16.00	3.12	27.8	29.4	30.4	30.9	32.9	34.4	35.9	37.0	39.0	40.5	42.0	44.5	45.5	49.1	53.1	58.1	63.1	68.1
184	220	278	371	559	9.00	28.00	3.13						20.2	21.8	22.9	25.1	26.7	28.3	31.0	32.0	35.7	39.8	44.9	50.0	55.1
183	220	277	369	557	16.00	50.00	3.14																		
181	217	274	365	550	7.50	23.60	3.18	18.8	20.5	21.6	22.1	24.2	25.8	27.4	28.4	30.5	32.1	33.6	36.2	37.2	40.8	44.8	49.9	55.0	60.0
180	216	272	363	547	*6.70	21.20	3.20	21.9	23.5	24.5	25.0	27.1	28.7	30.2	31.2	33.3	34.8	36.4	38.9	39.9	43.5	47.5	52.6	57.6	62.7
180	216	272	363	547	11.80	37.50	3.20															28.3	33.8	39.2	44.4
179	215	271	361	545	*5.90	18.70	3.21	24.9	26.4	27.4	27.9	30.0	31.5	33.1	34.1	36.1	37.6	39.2	41.7	42.7	46.2	50.3	55.3	60.3	65.4
178	214	269	359	542	*4.40	14.00	3.23	30.2	31.7	32.7	33.2	35.2	36.7	38.2	39.3	41.3	42.8	44.3	46.8	47.8	51.3	55.3	60.4	65.4	70.4
177	212	268	357	538	9.75	31.50	3.25										22.4	24.1	26.9	28.0	31.7	35.9	41.2	46.3	51.4
176	211	266	355	535	*4.65	15.00	3.27	29.1	30.6	31.6	32.1	34.2	35.7	37.2	38.2	40.2	41.7	43.3	45.8	46.8	50.3	54.3	59.3	64.4	69.4
174	208	263	350	529	*4.90	16.00	3.31	28.0	29.6	30.6	31.1	33.1	34.6	36.2	37.2	39.2	40.7	42.2	44.7	45.7	49.3	53.3	58.3	63.3	68.4
173	208	262	349	527	8.50	28.00	3.32						20.5	22.2	23.3	25.4	27.1	28.7	31.3	32.4	36.0	40.1	45.3	50.4	55.5

Key to correction factors: 0.8 | 0.9 | 1.0

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

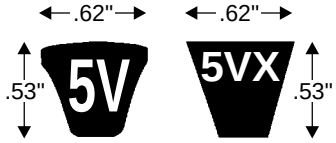


V-Belt No. and Center Distance														Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																Super HC					Super HC Molded Notch				
																RPM of Small Sheave					RPM of Small Sheave				
5V 5VX 1800	5V 5VX 1900	5V 5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
76.8	81.8	86.8												*4.90	11.80						4.52	5.31	6.50	8.34	12.7
63.4	68.5	73.5	79.5	85.5	91.5	98.6	106.1	113.6	123.6	131.1	141.1	151.1		9.75	23.60	11.2	13.1	16.0	20.3	27.7	12.4	14.6	18.0	23.2	32.7
77.4	82.4	87.4												*4.65	11.30						4.10	4.81	5.89	7.54	10.7
58.5	63.6	68.6	74.7	80.7	86.7	93.8	101.3	108.8	118.8	126.4	136.4	146.4		11.30	28.00	13.6	15.9	19.4	24.5	32.9	14.9	17.5	21.5	27.7	38.7
77.9	82.9	87.9												*4.40	10.90						3.68	4.31	5.27	6.73	9.49
69.2	74.2	79.2	85.2	91.3	97.3	104.3	111.8	119.3	129.3	136.8	146.8	156.8		7.50	18.70	7.61	8.92	10.9	13.9	19.1	8.81	10.4	12.8	16.5	23.4
66.4	71.4	76.4	82.4	88.4	94.5	101.5	109.0	116.5	126.5	134.0	144.0	154.0		8.50	21.20	9.21	10.8	13.2	16.8	23.0	10.4	12.3	15.1	19.5	27.6
47.4	52.6	57.7	63.8	69.9	75.9	83.0	90.6	98.1	108.2	115.7	125.8	135.8		15.00	37.50	19.1	22.4	27.1	33.8	†43.0	20.6	24.2	29.6	37.8	†51.3
54.6	59.7	64.7	70.8	76.9	82.9	89.9	97.5	105.0	115.1	122.6	132.6	142.6		12.50	31.50	15.4	18.0	22.0	27.7	36.6	16.7	19.7	24.2	31.0	43.0
72.3	77.3	82.3												*6.30	16.00						6.85	8.06	9.91	12.8	18.2
77.0	82.0	87.0												*4.65	11.80						4.10	4.81	5.89	7.54	10.7
75.4	80.4	85.5												*5.20	13.20						5.03	5.90	7.24	9.30	13.2
74.6	79.6	84.6												*5.50	14.00						5.53	6.50	7.97	10.3	14.6
73.4	78.5	83.5												*5.90	15.00						6.19	7.28	8.94	11.5	16.4
63.8	68.8	73.9	79.9	85.9	91.9	98.9	106.5	114.0	124.0	131.5	141.5	151.5		9.25	23.60	10.4	12.2	14.9	18.9	25.9	11.6	13.7	16.9	21.7	30.7
76.2	81.2	86.3												*4.90	12.50						4.52	5.31	6.50	8.34	11.8
58.8	63.9	68.9	75.0	81.0	87.0	94.1	101.6	109.1	119.1	126.7	136.7	146.7		10.90	28.00	12.9	15.2	18.5	23.5	31.6	14.2	16.8	20.6	26.5	37.2
77.6	82.6	87.6												*4.40	11.30						3.68	4.31	5.27	6.73	9.49
64.0	69.0	74.0	80.1	86.1	92.1	99.1	106.6	114.2	124.2	131.7	141.7	151.7		9.00	23.60	9.99	11.7	14.3	18.2	24.9	11.2	13.2	16.3	21.0	29.7
69.5	74.5	79.5	85.5	91.6	97.6	104.6	112.1	119.6	129.6	137.1	147.1	157.1		7.10	18.70	6.97	8.17	9.96	12.7	17.5	8.16	9.61	11.8	15.2	21.7
66.7	71.8	76.8	82.8	88.8	94.8	101.9	109.4	116.9	126.9	134.4	144.4	154.4		8.00	21.20	8.41	9.86	12.0	15.3	21.1	9.62	11.3	14.0	18.0	25.5
55.1	60.2	65.2	71.3	77.4	83.4	90.5	98.0	105.5	115.6	123.1	133.1	143.2		11.80	31.50	14.3	16.8	20.5	25.9	34.5	15.6	18.4	22.7	29.1	40.5
48.1	53.3	58.4	64.5	70.6	76.6	83.7	91.3	98.9	108.9	116.5	126.5	136.5		14.00	37.50	17.6	20.6	25.1	31.4	40.6	19.0	22.4	27.5	35.1	48.2
77.2	82.2	87.2												*4.40	11.80						3.68	4.31	5.27	6.73	9.49
76.4	81.4	86.4												*4.65	12.50						4.10	4.81	5.89	7.54	10.7
75.7	80.7	85.7												*4.90	13.20						4.52	5.31	6.50	8.34	11.8
74.8	79.8	84.8												*5.20	14.00						5.03	5.90	7.24	9.30	13.2
72.6	77.6	82.6												*5.90	16.00						6.19	7.28	8.94	11.5	16.4
59.3	64.3	69.4	75.4	81.4	87.5	94.5	102.0	109.6	119.6	127.1	137.1	147.2		10.30	28.00	12.0	14.1	17.2	21.8	29.6	13.3	15.7	19.3	24.8	34.9
73.7	78.8	83.8												*5.50	15.00						5.53	6.50	7.97	10.3	14.6
64.3	69.4	74.4	80.4	86.5	92.5	99.5	107.0	114.5	124.6	132.1	142.1	152.1		8.50	23.60	9.21	10.8	13.2	16.8	23.0	10.4	12.3	15.1	19.5	27.6
55.5	60.5	65.6	71.7	77.7	83.8	90.8	98.4	105.9	115.9	123.5	133.5	143.5		11.30	31.50	13.6	15.9	19.4	24.5	32.9	14.9	17.5	21.5	27.7	38.7
69.8	74.8	79.8												*6.70	18.70						7.51	8.84	10.9	14.0	19.9
67.1	72.1	77.2	83.2	89.2	95.2	102.2	109.7	117.3	127.3	134.8	144.8	154.8		7.50	21.20	7.61	8.92	10.9	13.9	19.1	8.81	10.4	12.8	16.5	23.4
48.7	53.8	58.9	65.0	71.1	77.2	84.3	91.9	99.4	109.5	117.0	127.1	137.1		13.20	37.50	16.4	19.3	23.4	29.5	38.6	17.8	21.0	25.8	33.0	45.5
76.6	81.6	86.6												*4.40	12.50						3.68	4.31	5.27	6.73	9.49
75.9	80.9	85.9												*4.65	13.20						4.10	4.81	5.89	7.54	10.7
59.7	64.7	69.8	75.8	81.8	87.9	94.9	102.4	110.0	120.0	127.5	137.5	147.6		9.75	28.00	11.2	13.1	16.0	20.3	27.7	12.4	14.6	18.0	23.2	32.7
75.0	80.0	85.0												*4.90	14.00						4.52	5.31	6.50	8.34	11.8
55.7	60.8	65.9	72.0	78.0	84.1	91.1	98.7	106.2	116.2	123.8	133.8	143.8		10.90	31.50	12.9	15.2	18.5	23.5	31.6	14.2	16.8	20.6	26.5	37.2
74.0	79.0	84.0												*5.20	15.00						5.03	5.90	7.24	9.30	13.2
72.9	77.9	82.9												*5.50	16.00						5.53	6.50	7.97	10.3	14.6
64.7	69.7	74.8	80.8	86.8	92.9	99.9	107.4	114.9	124.9	132.5	142.5	152.5		8.00	23.60	8.41	9.86	12.0	15.3	21.1	9.62	11.3	14.0	18.0	25.5
70.1	75.1	80.1												*6.30	18.70						6.85	8.06	9.91	12.8	18.2
67.4	72.4	77.5	83.5	89.5	95.5	102.5	110.0	117.6	127.6	135.1	145.1	155.1		7.10	21.20	6.97	8.17	9.96	12.7	17.5	8.16	9.61	11.8	15.2	21.7
49.1	54.3	59.4	65.5	71.6	77.7	84.8	92.4	99.9	110.0	117.6	127.6	137.7		12.50	37.50	15.4	18.0	22.0	27.7	36.6	16.7	19.7	24.2	31.0	43.0
76.0	81.1	86.1												*4.40	13.20						3.68	4.31	5.27	6.73	9.49
75.2	80.2	85.2												*4.65	14.00						4.10	4.81	5.89	7.54	10.7
60.0	65.1	70.1	76.2	82.2	88.2	95.3	102.8	110.3	120.4	127.9	137.9	147.9		9.25	28.00	10.4	12.2	14.9	18.9	25.9	11.6	13.7	16.9	21.7	30.7
56.2	61.3	66.3	72.4	78.5	84.5	91.6	99.1	106.6	116.7	124.2	134.3	144.3		10.30	31.50	12.0	14.1	17.2	21.8	29.6	13.3	15.7	19.3	24.8	34.9
74.2	79.2	84.2												*4.90	15.00						4.52	5.31	6.50	8.34	11.8
73.2	78.2	83.2												*5.20	16.00						5.03	5.90	7.24	9.30	13.2
60.2	65.2	70.3	76.3	82.4	88.4	95.5	103.0	110.5	120.6	128.1	138.1	148.1		9.00	28.00	9.99	11.7	14.3	18.2	24.9	11.2	13.2	16.3	21.0	29.7
	39.4	44.9	51.3	57.6	63.9	71.1	78.8	86.5	96.7	104.3	114.4	124.5		16.00	50.00	20.6	24.0	29.1	36.1	†	22.1	25.9	31.8	40.3	†
65.1	70.1	75.1	81.2	87.2	93.2	100.3	107.8	115.3	125.3	132.8	142.8	152.9		7.50	23.60	7.61	8.92	10.9	13.9	19.1	8.81	10.4	12.8	16.5	23.4
67.7	72.7	77.7												*6.70	21.20						7.51	8.84	10.9	14.0	19.9
49.6	54.8	59.9	66.0	72.1	78.2	85.3	92.9	100.5	110.5	118.1	128.1	138.2		11.80	37.50	14.3	16.8	20.5	25.9	34.5	15.6	18.4	22.7	29.1	40.5
70.4	75.4	80.4												*5.90	18.70						6.19	7.28	8.94	11.5	16.4
75.4	80.4	85.4												*4.40	14.00						3.68	4.31	5.27	6.73	9.49
56.6	61.6	66.7	72.8	78.9	84.9	92.0	99.5	107.0	117.1	124.6	134.7	144.7		9.75	31.50	11.2	13.1	16.0	20.3	27.7	12.4	14.6	18.0	23.2	32.7
74.4	79.4	84.4												*4.65	15.00						4.10	4.81	5.89	7.54	10.7
73.4	78.4	83.4												*4.90	16.00						4.52	5.31	6.50	8.34	11.8
60.5	65.6	70.7	76.7	82.8	88.8	95.8	103.4	110.9	120.9	128.5	138.5	148.5		8.50	28.00	9.21	10.8	13.2	16.8	23.0	10.4	12.3	15.1	19.5	27.6

Key to correction factors: 0.9 | 1.0 | 1.1 | 1.2

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



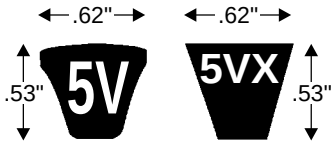
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																				
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5VX 450	5VX 470	5VX 490	5V 5VX 500	5VX 510	5V 5VX 530	5VX 540	5VX 550	5V 5VX 560	5VX 570	5VX 580	5VX 590	5V 5VX 600	5VX 610	5V 5VX 630	5VX 650	5VX 660	5V 5VX 670
172	207	260	347	524	11.30	37.50	3.34																					
172	206	260	346	522	15.00	50.00	3.35																					
171	205	259	345	521	7.10	23.60	3.36																					
169	203	256	341	515	*6.30	21.20	3.40																					
168	201	254	338	510	9.25	31.50	3.43																					
167	201	253	337	509	*5.50	18.70	3.44																					
166	199	251	335	506	10.90	37.50	3.46																					
166	199	251	334	504	*4.40	15.00	3.47								11.0	11.5	12.1	12.6	13.2	13.7	14.3	15.3	16.4	16.9	17.5
165	198	249	332	501	*4.65	16.00	3.49											11.3	11.9	12.5	13.0	14.1	15.2	15.7	16.3
163	195	246	329	496	8.00	28.00	3.53																		
163	195	246	329	496	9.00	31.50	3.53																		
162	194	244	326	492	*6.70	23.60	3.56																		
160	192	242	323	487	14.00	50.00	3.59																		
158	190	239	319	481	*5.90	21.20	3.64																		
158	189	238	318	479	*5.20	18.70	3.65																		
157	188	237	316	477	10.30	37.50	3.67																		
155	186	235	314	473	*4.40	16.00	3.70											11.5	12.1	12.6	13.2	14.3	15.4	15.9	16.4
154	184	233	310	468	8.50	31.50	3.74																		
153	183	231	308	464	7.50	28.00	3.77																		
152	182	230	306	462	*6.30	23.60	3.79																		
151	181	228	304	459	13.20	50.00	3.81																		
148	178	224	299	451	*4.90	18.70	3.88																		13.1
148	178	224	299	451	9.75	37.50	3.88																		
147	176	223	297	448	*5.50	21.20	3.91																		
145	174	219	292	441	8.00	31.50	3.97																		
144	173	218	291	439	7.10	28.00	3.99																		
143	172	216	289	435	12.50	50.00	4.02																		
142	170	215	286	432	*5.90	23.60	4.05																		
141	169	213	284	428	*4.65	18.70	4.09																	12.7	13.3
141	169	213	284	428	9.25	37.50	4.09																		
139	167	210	280	423	*5.20	21.20	4.14																		
137	164	207	276	417	9.00	37.50	4.20																		
136	163	206	274	414	*6.70	28.00	4.23																		
136	163	205	274	413	7.50	31.50	4.24																		
135	162	204	272	411	11.80	50.00	4.26																		
133	159	201	268	404	*4.40	18.70	4.33																	12.8	13.4
132	159	200	267	402	*5.50	23.60	4.35																		
131	157	198	264	398	*4.90	21.20	4.40																		
129	155	196	261	393	8.50	37.50	4.45																		
129	155	195	260	392	11.30	50.00	4.46																		
128	154	194	258	390	7.10	31.50	4.49																		
128	153	193	258	389	*6.30	28.00	4.50																		
125	150	189	252	380	*5.20	23.60	4.61																		
124	149	188	251	379	10.90	50.00	4.62																		
124	149	188	250	377	*4.65	21.20	4.64																		
122	146	184	245	370	8.00	37.50	4.73																		
121	145	183	244	368	*6.70	31.50	4.76																		
120	143	181	241	364	*5.90	28.00	4.81																		
118	141	178	237	358	10.30	50.00	4.89																		
117	141	178	237	357	*4.90	23.60	4.90																		
117	141	177	236	356	*4.40	21.20	4.91																		
114	137	172	230	347	7.50	37.50	5.05																		
114	136	172	229	346	*6.30	31.50	5.06																		
111	134	169	225	339	*4.65	23.60	5.16																		
111	133	168	224	338	*5.50	28.00	5.17																		
111	133	168	224	338	9.75	50.00	5.17																		
108	129	163	217	328	7.10	37.50	5.34																		
106	128	161	214	323	*5.90	31.50	5.41																		
106	127	160	213	321	9.25	50.00	5.45																		
105	126	159	212	320	*4.40	23.60	5.47																		
105	126	159	212	320	*5.20	28.00	5.47																		
102	123	155	207	312	9.00	50.00	5.61																		
101	122	153	205	309	*6.70	37.50	5.67																		

Key to correction factors: 0.7 0.8

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.



V-Belt No. and Center Distance															Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																	Super HC					Super HC Molded Notch				
																	RPM of Small Sheave					RPM of Small Sheave				
5VX 680	5VX 690	5V 5VX 710	5VX 730	5VX 740	5V 5VX 750	5VX 780	5V 5VX 800	5VX 810	5VX 830	5VX 840	5V 5VX 850	5VX 860	5VX 880		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
															11.30	37.50	13.6	15.9	19.4	24.5	32.9	14.9	17.5	21.5	27.7	38.4
															15.00	50.00	19.1	22.4	27.1	33.8	†43.0	20.6	24.2	29.6	37.8	†51.5
													16.8	18.0	7.10	23.60	6.97	8.17	9.96	12.7	17.5	8.16	9.61	11.8	15.2	21.7
						15.6	16.7	17.3	18.4	18.9	19.5	20.0	21.1		*6.30	21.20						6.85	8.06	9.91	12.8	18.2
															9.25	31.50	10.4	12.2	14.9	19.0	26.0	11.6	13.7	16.9	21.7	30.7
13.3	13.9	15.0	16.1	16.7	17.2	18.8	19.9	20.4	21.5	22.0	22.5	23.0	24.1		*5.50	18.70						5.53	6.50	7.97	10.3	14.6
															10.90	37.50	13.0	15.2	18.6	23.6	31.7	14.2	16.8	20.6	26.5	37.2
18.0	18.5	19.5	20.6	21.1	21.6	23.2	24.2	24.7	25.7	26.2	26.7	27.2	28.3		*4.40	15.00						3.68	4.31	5.27	6.73	9.49
16.8	17.3	18.4	19.4	20.0	20.5	22.0	23.1	23.6	24.6	25.1	25.7	26.2	27.2		*4.65	16.00						4.10	4.81	5.89	7.54	10.7
															8.00	28.00	8.45	9.91	12.1	15.4	21.2	9.62	11.3	14.0	18.0	25.5
															9.00	31.50	10.0	11.8	14.4	18.3	25.0	11.2	13.2	16.3	21.0	29.7
											16.5	17.1	18.2		*6.70	23.60						7.51	8.84	10.9	14.0	19.9
															14.00	50.00	17.7	20.7	25.1	31.5	40.8	19.0	22.4	27.5	35.1	48.2
						15.8	17.0	17.5	18.6	19.2	19.7	20.3	21.3		*5.90	21.20						6.19	7.28	8.94	11.5	16.4
13.5	14.1	15.2	16.3	16.9	17.4	19.0	20.1	20.6	21.7	22.2	22.7	23.2	24.3		*5.20	18.70						5.03	5.90	7.24	9.30	13.2
															10.30	37.50	12.1	14.2	17.3	21.9	29.7	13.3	15.7	19.3	24.8	34.9
17.0	17.5	18.6	19.6	20.1	20.7	22.2	23.3	23.8	24.8	25.3	25.8	26.3	27.4		*4.40	16.00						3.68	4.31	5.27	6.73	9.49
															8.50	31.50	9.24	10.8	13.2	16.9	23.2	10.4	12.3	15.1	19.5	27.6
															7.50	28.00	7.65	8.97	10.9	13.9	19.2	8.81	10.4	12.8	16.5	23.4
										16.1	16.7	17.3	18.4		*6.30	23.60						6.85	8.06	9.91	12.8	18.2
															13.20	50.00	16.5	19.3	23.5	29.5	38.7	17.8	21.0	25.8	33.0	45.5
13.7	14.3	15.4	16.5	17.0	17.6	19.2	20.3	20.8	21.9	22.4	22.9	23.4	24.5		*4.90	18.70						4.52	5.31	6.50	8.34	11.8
															9.75	37.50	11.2	13.1	16.1	20.4	27.8	12.4	14.6	18.0	23.2	32.7
						16.1	17.2	17.8	18.9	19.4	20.0	20.5	21.6		*5.50	21.20						5.53	6.50	7.97	10.3	14.6
															8.00	31.50	8.45	9.91	12.1	15.4	21.2	9.62	11.3	14.0	18.0	25.5
															7.10	28.00	7.01	8.21	10.0	12.7	17.6	8.16	9.61	11.8	15.2	21.7
															12.50	50.00	15.4	18.1	22.0	27.8	36.7	16.7	19.7	24.2	31.0	43.0
									15.8	16.4	17.0	17.5	18.7		*5.90	23.60						6.19	7.28	8.94	11.5	16.4
13.8	14.4	15.5	16.7	17.2	17.8	19.4	20.4	21.0	22.0	22.6	23.1	23.6	24.7		*4.65	18.70						4.10	4.81	5.89	7.54	10.7
															9.25	37.50	10.4	12.2	14.9	19.0	26.0	11.6	13.7	16.9	21.7	30.7
					14.5	16.3	17.4	18.0	19.1	19.6	20.2	20.7	21.8		*5.20	21.20						5.03	5.90	7.24	9.30	13.2
															9.00	37.50	10.0	11.8	14.4	18.3	25.0	11.2	13.2	16.3	21.0	29.7
															*6.70	28.00						7.51	8.84	10.9	14.0	19.9
															7.50	31.50	7.65	8.97	10.9	13.9	19.2	8.81	10.4	12.8	16.5	23.4
															11.80	50.00	14.4	16.8	20.5	25.9	34.6	15.6	18.4	22.7	29.1	40.5
14.0	14.6	15.7	16.8	17.4	17.9	19.5	20.6	21.1	22.2	22.7	23.2	23.8	24.8		*4.40	18.70						3.68	4.31	5.27	6.73	9.49
									16.0	16.6	17.2	17.8	18.9		*5.50	23.60						5.53	6.50	7.97	10.3	14.6
															*4.90	21.20						4.52	5.31	6.50	8.34	11.8
				14.1	14.7	16.4	17.6	18.1	19.2	19.8	20.3	20.9	22.0		8.50	37.50	9.24	10.8	13.2	16.9	23.2	10.4	12.3	15.1	19.5	27.6
															11.30	50.00	13.6	16.0	19.5	24.6	33.0	14.9	17.5	21.5	27.7	38.7
															7.10	31.50	7.01	8.21	10.0	12.7	17.6	8.16	9.61	11.8	15.2	21.7
															*6.30	28.00						6.85	8.06	9.91	12.8	18.2
									16.2	16.8	17.4	18.0	19.1		*5.20	23.60						5.03	5.90	7.24	9.30	13.2
															10.90	50.00	13.0	15.2	18.6	23.6	31.7	14.2	16.8	20.6	26.5	37.2
				14.2	14.8	16.6	17.7	18.3	19.4	20.0	20.5	21.0	22.1		*4.65	21.20						4.10	4.81	5.89	7.54	10.7
															8.00	37.50	8.45	9.91	12.1	15.4	21.2	9.62	11.3	14.0	18.0	25.5
															*6.70	31.50						7.51	8.84	10.9	14.0	19.9
															*5.90	28.00						6.19	7.28	8.94	11.5	16.4
															10.30	50.00	12.1	14.2	17.3	21.9	29.7	13.3	15.7	19.3	24.8	34.9
									16.4	17.0	17.6	18.1	19.3		*4.90	23.60						4.52	5.31	6.50	8.34	11.8
				14.4	15.0	16.7	17.9	18.4	19.6	20.1	20.7	21.2	22.3		*4.40	21.20						3.68	4.31	5.27	6.73	9.49
															7.50	37.50	7.65	8.97	10.9	13.9	19.2	8.81	10.4	12.8	16.5	23.4
															*6.30	31.50						6.85	8.06	9.91	12.8	18.2
								15.3	16.5	17.1	17.7	18.3	19.5		*4.65	23.60						4.10	4.81	5.89	7.54	10.7
															*5.50	28.00						5.53	6.50	7.97	10.3	14.6
															9.75	50.00	11.2	13.1	16.1	20.4	27.8	12.4	14.6	18.0	23.2	32.7
															7.10	37.50	7.01	8.21	10.0	12.7	17.6	8.16	9.61	11.8	15.2	21.7
															*5.90	31.50						6.19	7.28	8.94	11.5	16.4
															9.25	50.00	10.4	12.2	14.9	19.0	26.0	11.6	13.7	16.9	21.7	30.7
								15.4	16.7	17.3	17.9	18.4	19.6		*4.40	23.60						3.68	4.31	5.27	6.73	9.49
															*5.20	28.00						5.03	5.90	7.24	9.30	13.2
															9.00	50.00	10.0	11.8	14.4	18.3	25.0	11.2	13.2	16.3	21.0	29.7
															*6.70	37.50						7.51	8.84	10.9	14.0	19.9

Key to correction factors: 0.7 0.8 0.9

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
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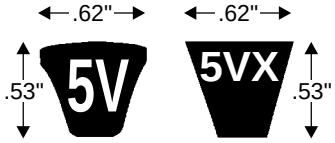


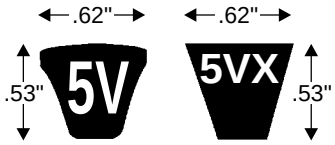
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																					
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5V 5VX 900	5VX 930	5V 5VX 950	5VX 960	5V 5VX 1000	5VX 1030	5V 5VX 1060	5VX 1080	5V 5VX 1120	5VX 1150	5V 5VX 1180	5VX 1230	5V 5VX 1250	5V 5VX 1320	5V 5VX 1400	5V 5VX 1500	5V 5VX 1600	5V 5VX 1700
172	207	260	347	524	11.30	37.50	3.34															28.6	34.1	39.5	44.7
172	206	260	346	522	15.00	50.00	3.35																		
171	205	259	345	521	7.10	23.60	3.36	19.1	20.7	21.8	22.3	24.5	26.1	27.6	28.7	30.8	32.3	33.9	36.5	37.5	41.1	45.1	50.2	55.3	60.3
169	203	256	341	515	*6.30	21.20	3.40	22.1	23.7	24.8	25.3	27.4	28.9	30.5	31.5	33.6	35.1	36.6	39.2	40.2	43.8	47.8	52.9	57.9	63.0
168	201	254	338	510	9.25	31.50	3.43										22.7	24.4	27.2	28.3	32.0	36.3	41.5	46.7	51.8
167	201	253	337	509	*5.50	18.70	3.44	25.1	26.7	27.7	28.2	30.3	31.8	33.3	34.4	36.4	37.9	39.4	42.0	43.0	46.5	50.6	55.6	60.6	65.7
166	199	251	335	506	10.90	37.50	3.46															28.9	34.4	39.7	45.0
166	199	251	334	504	*4.40	15.00	3.47	29.3	30.8	31.8	32.3	34.4	35.9	37.4	38.4	40.4	41.9	43.4	46.0	47.0	50.5	54.5	59.5	64.5	69.6
165	198	249	332	501	*4.65	16.00	3.49	28.2	29.7	30.8	31.3	33.3	34.8	36.3	37.3	39.4	40.9	42.4	44.9	45.9	49.5	53.5	58.5	63.5	68.5
163	195	246	329	496	8.00	28.00	3.53					19.0	20.8	22.5	23.6	25.8	27.4	29.0	31.6	32.7	36.3	40.5	45.6	50.7	55.8
163	195	246	329	496	9.00	31.50	3.53										22.9	24.6	27.3	28.4	32.2	36.4	41.7	46.8	52.0
162	194	244	326	492	*6.70	23.60	3.56	19.3	21.0	22.1	22.6	24.7	26.3	27.9	29.0	31.0	32.6	34.2	36.7	37.8	41.3	45.4	50.5	55.6	60.6
160	192	242	323	487	14.00	50.00	3.59																		
158	190	239	319	481	*5.90	21.20	3.64	22.4	24.0	25.0	25.6	27.7	29.2	30.8	31.8	33.8	35.4	36.9	39.5	40.5	44.0	48.1	53.2	58.2	63.3
158	189	238	318	479	*5.20	18.70	3.65	25.3	26.9	27.9	28.4	30.5	32.0	33.5	34.6	36.6	38.1	39.7	42.2	43.2	46.7	50.8	55.8	60.9	65.9
157	188	237	316	477	10.30	37.50	3.67															29.2	34.8	40.1	45.4
155	186	235	314	473	*4.40	16.00	3.70	28.4	29.9	30.9	31.4	33.5	35.0	36.5	37.5	39.6	41.1	42.6	45.1	46.1	49.6	53.7	58.7	63.7	68.7
154	184	233	310	468	8.50	31.50	3.74									21.4	23.2	24.9	27.7	28.8	32.5	36.8	42.0	47.2	52.3
153	183	231	308	464	7.50	28.00	3.77					19.3	21.1	22.8	23.9	26.1	27.7	29.3	32.0	33.0	36.7	40.8	46.0	51.1	56.2
152	182	230	306	462	*6.30	23.60	3.79	19.6	21.2	22.3	22.9	25.0	26.6	28.2	29.2	31.3	32.9	34.4	37.0	38.0	41.6	45.7	50.8	55.8	60.9
151	181	228	304	459	13.20	50.00	3.81																		
148	178	224	299	451	*4.90	18.70	3.88	25.5	27.1	28.1	28.6	30.7	32.2	33.8	34.8	36.8	38.3	39.9	42.4	43.4	47.0	51.0	56.0	61.1	66.1
148	178	224	299	451	9.75	37.50	3.88														24.9	29.6	35.1	40.5	45.8
147	176	223	297	448	*5.50	21.20	3.91	22.7	24.2	25.3	25.8	27.9	29.5	31.0	32.1	34.1	35.7	37.2	39.8	40.8	44.3	48.4	53.5	58.5	63.5
145	174	219	292	441	8.00	31.50	3.97									21.7	23.5	25.2	28.0	29.1	32.9	37.1	42.3	47.5	52.7
144	173	218	291	439	7.10	28.00	3.99					19.6	21.3	23.0	24.1	26.3	28.0	29.6	32.2	33.3	36.9	41.1	46.2	51.4	56.5
143	172	216	289	435	12.50	50.00	4.02																		
142	170	215	286	432	*5.90	23.60	4.05	19.8	21.5	22.6	23.1	25.3	26.9	28.4	29.5	31.6	33.1	34.7	37.3	38.3	41.9	46.0	51.1	56.1	61.2
141	169	213	284	428	*4.65	18.70	4.09	25.7	27.3	28.3	28.8	30.9	32.4	33.9	35.0	37.0	38.5	40.0	42.6	43.6	47.1	51.2	56.2	61.3	66.3
141	169	213	284	428	9.25	37.50	4.09														25.2	29.9	35.4	40.8	46.1
139	167	210	280	423	*5.20	21.20	4.14	22.9	24.4	25.5	26.0	28.1	29.7	31.2	32.3	34.3	35.9	37.4	40.0	41.0	44.5	48.6	53.7	58.7	63.8
137	164	207	276	417	9.00	37.50	4.20														25.4	30.0	35.6	41.0	46.3
136	163	206	274	414	*6.70	28.00	4.23					19.8	21.6	23.3	24.4	26.6	28.2	29.8	32.5	33.5	37.2	41.4	46.5	51.6	56.7
136	163	205	274	413	7.50	31.50	4.24									22.0	23.8	25.5	28.3	29.4	33.2	37.4	42.7	47.9	53.0
135	162	204	272	411	11.80	50.00	4.26																		
133	159	201	268	404	*4.40	18.70	4.33	25.9	27.4	28.5	29.0	31.0	32.6	34.1	35.1	37.2	38.7	40.2	42.8	43.8	47.3	51.4	56.4	61.4	66.5
132	159	200	267	402	*5.50	23.60	4.35	20.1	21.7	22.8	23.4	25.5	27.1	28.7	29.8	31.9	33.4	35.0	37.5	38.6	42.2	46.3	51.3	56.4	61.5
131	157	198	264	398	*4.90	21.20	4.40	23.0	24.6	25.7	26.2	28.3	29.9	31.4	32.5	34.5	36.1	37.6	40.2	41.2	44.8	48.8	53.9	58.9	64.0
129	155	196	261	393	8.50	37.50	4.45														25.7	30.3	35.9	41.3	46.6
129	155	195	260	392	11.30	50.00	4.46																		
128	154	194	258	390	7.10	31.50	4.49									22.2	24.0	25.7	28.5	29.6	33.4	37.7	42.9	48.1	53.3
128	153	193	258	389	*6.30	28.00	4.50					20.0	21.8	23.5	24.6	26.8	28.5	30.1	32.7	33.8	37.5	41.6	46.8	51.9	57.0
125	150	189	252	380	*5.20	23.60	4.61	20.3	21.9	23.0	23.6	25.7	27.3	28.9	30.0	32.1	33.6	35.2	37.8	38.8	42.4	46.5	51.6	56.6	61.7
124	149	188	251	379	10.90	50.00	4.62																		
124	149	188	250	377	*4.65	21.20	4.64	23.2	24.8	25.9	26.4	28.5	30.1	31.6	32.6	34.7	36.2	37.8	40.3	41.4	44.9	49.0	54.1	59.1	64.2
122	146	184	245	370	8.00	37.50	4.73														25.9	30.6	36.2	41.6	46.9
121	145	183	244	368	*6.70	31.50	4.76									22.5	24.3	26.0	28.8	29.9	33.7	38.0	43.2	48.4	53.6
120	143	181	241	364	*5.90	28.00	4.81					20.3	22.0	23.8	24.9	27.1	28.7	30.3	33.0	34.1	37.7	41.9	47.1	52.2	57.3
118	141	178	237	358	10.30	50.00	4.89																		
117	141	178	237	357	*4.90	23.60	4.90	20.4	22.1	23.2	23.8	25.9	27.5	29.1	30.2	32.3	33.8	35.4	38.0	39.0	42.6	46.7	51.8	56.8	61.9
117	141	177	236	356	*4.40	21.20	4.91	23.4	25.0	26.0	26.6	28.7	30.2	31.8	32.8	34.9	36.4	38.0	40.5	41.5	45.1	49.2	54.2	59.3	64.3
114	137	172	230	347	7.50	37.50	5.05														26.2	30.9	36.5	41.9	47.3
114	136	172	229	346	*6.30	31.50	5.06								20.2	22.7	24.5	26.2	29.0	30.1	33.9	38.2	43.5	48.7	53.8
111	134	169	225	339	*4.65	23.60	5.16	20.6	22.3	23.4	23.9	26.1	27.7	29.3	30.3	32.4	34.0	35.5	38.1	39.2	42.8	46.9	51.9	57.0	62.1
111	133	168	224	338	*5.50	28.00	5.17				18.1	20.5	22.3	24.0	25.1	27.3	29.0	30.6	33.3	34.3	38.0	42.2	47.3	52.5	57.6
111	133	168	224	338	9.75	50.00	5.17																		31.4
108	129	163	217	328	7.10	37.50	5.34														26.5	31.2	36.8	42.2	47.5
106	128	161	214	323	*5.90	31.50	5.41								20.5	23.0	24.7	26.5	29.3	30.4	34.2	38.5	43.7	48.9	54.1
106	127	160	213	321	9.25	50.00	5.45																		31.6
105	126	159	212	320	*4.40	23.60	5.47	20.7	22.4	23.5	24.1	26.2	27.8	29.4	30.5	32.6	34.2	35.7	38.3	39.3	42.9	47.0	52.1	57.2	62.3
105	126	159	212	320	*5.20	28.00	5.47			17.6	18.2	20.7	22.5	24.2	25.3	27.5	29.2	30.8	33.5	34.5	38.2	42.4	47.6	52.7	57.8
102	123	155	207	312	9.00	50.00	5.61																		31.8
101	122	153	205	309	*6.70	37.50	5.67														26.7	31.4	37.0	42.5	47.8

Key to correction factors: 0.7 0.8 0.9 1.0

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

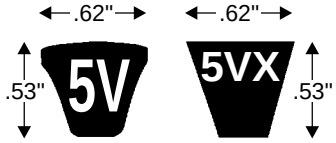


V-Belt No. and Center Distance														Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																Super HC					Super HC Molded Notch				
																RPM of Small Sheave					RPM of Small Sheave				
5V 5VX 1800	5V 5VX 1900	5V 5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
49.9	55.1	60.2	66.4	72.5	78.6	85.7	93.3	100.8	110.9	118.4	128.5	138.6		11.30	37.50	13.6	15.9	19.4	24.5	32.9	14.9	17.5	21.5	27.7	39.2
34.4	40.1	45.5	52.0	58.3	64.6	71.8	79.5	87.2	97.4	105.0	115.1	125.2		15.00	50.00	19.1	22.4	27.1	33.8	†43.0	20.6	24.2	29.6	37.8	†51.3
65.4	70.4	75.4	81.5	87.5	93.5	100.5	108.1	115.6	125.6	133.1	143.2	153.2		7.10	23.60	6.97	8.17	9.96	12.7	17.5	8.16	9.61	11.8	15.2	21.7
68.0	73.0	78.0												*6.30	21.20						6.85	8.06	9.91	12.8	18.2
56.9	62.0	67.1	73.1	79.2	85.3	92.3	99.9	107.4	117.5	125.0	135.0	145.1		9.25	31.50	10.4	12.2	14.9	19.0	26.0	11.6	13.7	16.9	21.7	30.7
70.7	75.7	80.7												*5.50	18.70						5.53	6.50	7.97	10.3	14.6
50.2	55.4	60.5	66.7	72.8	78.9	86.0	93.5	101.1	111.2	118.7	128.8	138.8		10.90	37.50	13.0	15.2	18.6	23.6	31.7	14.2	16.8	20.6	26.5	37.2
74.6	79.6	84.6												*4.40	15.00						3.68	4.31	5.27	6.73	9.49
73.6	78.6	83.6												*4.65	16.00						4.10	4.81	5.89	7.54	10.7
60.9	66.0	71.0	77.1	83.1	89.2	96.2	103.7	111.3	121.3	128.8	138.9	148.9		8.00	28.00	8.45	9.91	12.1	15.4	21.2	9.62	11.3	14.0	18.0	25.5
57.1	62.2	67.2	73.3	79.4	85.4	92.5	100.1	107.6	117.7	125.2	135.2	145.3		9.00	31.50	10.0	11.8	14.4	18.3	25.0	11.2	13.2	16.3	21.0	29.7
65.7	70.7	75.7												*6.70	23.60						7.51	8.84	10.9	14.0	19.9
35.0	40.7	46.2	52.6	59.0	65.2	72.5	80.2	87.9	98.1	105.7	115.8	125.9		14.00	50.00	17.7	20.7	25.1	31.5	40.8	19.0	22.4	27.5	35.1	48.2
68.3	73.3	78.3												*5.90	21.20						6.19	7.28	8.94	11.5	16.4
70.9	75.9	80.9												*5.20	18.70						5.03	5.90	7.24	9.30	13.2
50.6	55.8	60.9	67.1	73.2	79.3	86.4	94.0	101.5	111.6	119.2	129.2	139.3		10.30	37.50	12.1	14.2	17.3	21.9	29.7	13.3	15.7	19.3	24.8	34.9
73.7	78.8	83.8												*4.40	16.00						3.68	4.31	5.27	6.73	9.49
57.4	62.5	67.6	73.7	79.8	85.8	92.9	100.4	108.0	118.0	125.6	135.6	145.6		8.50	31.50	9.24	10.8	13.2	16.9	23.2	10.4	12.3	15.1	19.5	27.6
61.3	66.3	71.4	77.4	83.5	89.5	96.6	104.1	111.6	121.7	129.2	139.2	149.3		7.50	28.00	7.65	8.97	10.9	13.9	19.2	8.81	10.4	12.8	16.5	23.4
65.9	71.0	76.0												*6.30	23.60						6.85	8.06	9.91	12.8	18.2
35.5	41.2	46.7	53.1	59.5	65.8	73.0	80.8	88.4	98.6	106.3	116.4	126.5		13.20	50.00	16.5	19.3	23.5	29.5	38.7	17.8	21.0	25.8	33.0	45.5
71.1	76.2	81.2												*4.90	18.70						4.52	5.31	6.50	8.34	11.8
51.0	56.2	61.3	67.5	73.6	79.7	86.8	94.4	101.9	112.0	119.6	129.6	139.7		9.75	37.50	11.2	13.1	16.1	20.4	27.8	12.4	14.6	18.0	23.2	32.7
68.6	73.6	78.6												*5.50	21.20						5.53	6.50	7.97	10.3	14.6
57.8	62.9	68.0	74.0	80.1	86.2	93.2	100.8	108.3	118.4	125.9	136.0	146.0		8.00	31.50	8.45	9.91	12.1	15.4	21.2	9.62	11.3	14.0	18.0	25.5
61.5	66.6	71.7	77.7	83.8	89.8	96.9	104.4	111.9	122.0	129.5	139.5	149.6		7.10	28.00	7.01	8.21	10.0	12.7	17.6	8.16	9.61	11.8	15.2	21.7
35.9	41.6	47.1	53.6	60.0	66.2	73.5	81.2	88.9	99.1	106.8	116.9	127.0		12.50	50.00	15.4	18.1	22.0	27.8	36.7	16.7	19.7	24.2	31.0	43.0
66.2	71.3	76.3												*5.90	23.60						6.19	7.28	8.94	11.5	16.4
71.3	76.3	81.4												*4.65	18.70						4.10	4.81	5.89	7.54	10.7
51.3	56.5	61.7	67.8	73.9	80.0	87.1	94.7	102.3	112.4	120.0	130.0	140.1		9.25	37.50	10.4	12.2	14.9	19.0	26.0	11.6	13.7	16.9	21.7	30.7
68.8	73.8	78.9												*5.20	21.20						5.03	5.90	7.24	9.30	13.2
51.5	56.7	61.8	68.0	74.1	80.2	87.3	94.9	102.5	112.6	120.1	130.2	140.3		9.00	37.50	10.0	11.8	14.4	18.3	25.0	11.2	13.2	16.3	21.0	29.7
61.8	66.9	72.0												*6.70	28.00						7.51	8.84	10.9	14.0	19.9
58.1	63.2	68.3	74.4	80.5	86.5	93.6	101.2	108.7	118.8	126.3	136.3	146.4		7.50	31.50	7.65	8.97	10.9	13.9	19.2	8.81	10.4	12.8	16.5	23.4
36.3	42.0	47.6	54.1	60.4	66.7	74.0	81.7	89.4	99.6	107.3	117.4	127.5		11.80	50.00	14.4	16.8	20.5	25.9	34.6	15.6	18.4	22.7	29.1	40.5
71.5	76.5	81.5												*4.40	18.70						3.68	4.31	5.27	6.73	9.49
66.5	71.6	76.6												*5.50	23.60						5.53	6.50	7.97	10.3	14.6
69.0	74.1	79.1												*4.90	21.20						4.52	5.31	6.50	8.34	11.8
51.8	57.0	62.2	68.3	74.5	80.6	87.7	95.3	102.8	112.9	120.5	130.6	140.6		8.50	37.50	9.24	10.8	13.2	16.9	23.2	10.4	12.3	15.1	19.5	27.6
36.6	42.4	47.9	54.4	60.7	67.0	74.3	82.1	89.8	100.0	107.6	117.8	127.9		11.30	50.00	13.6	16.0	19.5	24.6	33.0	14.9	17.5	21.5	27.7	38.7
58.4	63.5	68.6	74.7	80.8	86.8	93.9	101.4	109.0	119.1	126.6	136.6	146.7		7.10	31.50	7.01	8.21	10.0	12.7	17.6	8.16	9.61	11.8	15.2	21.7
62.1	67.2	72.2												*6.30	28.00						6.85	8.06	9.91	12.8	18.2
66.7	71.8	76.8												*5.20	23.60						5.03	5.90	7.24	9.30	13.2
36.8	42.6	48.1	54.6	61.0	67.3	74.6	82.3	90.0	100.3	107.9	118.0	128.2		10.90	50.00	13.0	15.2	18.6	23.6	31.7	14.2	16.8	20.6	26.5	37.2
69.2	74.2	79.3												*4.65	21.20						4.10	4.81	5.89	7.54	10.7
52.2	57.4	62.5	68.7	74.8	80.9	88.0	95.6	103.2	113.3	120.9	130.9	141.0		8.00	37.50	8.45	9.91	12.1	15.4	21.2	9.62	11.3	14.0	18.0	25.5
58.7	63.8	68.9												*6.70	31.50						7.51	8.84	10.9	14.0	19.9
62.4	67.5	72.5												*5.90	28.00						6.19	7.28	8.94	11.5	16.4
37.2	43.0	48.5	55.0	61.4	67.7	75.0	82.7	90.5	100.7	108.3	118.5	128.6		10.30	50.00	12.1	14.2	17.3	21.9	29.7	13.3	15.7	19.3	24.8	34.9
67.0	72.0	77.0												*4.90	23.60						4.52	5.31	6.50	8.34	11.8
69.4	74.4	79.4												*4.40	21.20						3.68	4.31	5.27	6.73	9.49
52.5	57.7	62.9	69.0	75.2	81.3	88.4	96.0	103.6	113.7	121.2	131.3	141.4		7.50	37.50	7.65	8.97	10.9	13.9	19.2	8.81	10.4	12.8	16.5	23.4
59.0	64.1	69.2												*6.30	31.50						6.85	8.06	9.91	12.8	18.2
67.1	72.2	77.2												*4.65	23.60						4.10	4.81	5.89	7.54	10.7
62.7	67.8	72.8												*5.50	28.00						5.53	6.50	7.97	10.3	14.6
37.5	43.3	48.9	55.4	61.8	68.1	75.4	83.1	90.8	101.1	108.7	118.9	129.0		9.75	50.00	11.2	13.1	16.1	20.4	27.8	12.4	14.6	18.0	23.2	32.7
52.8	58.0	63.1	69.3	75.4	81.6	88.7	96.3	103.9	114.0	121.5	131.6	141.7		7.10	37.50	7.01	8.21	10.0	12.7	17.6	8.16	9.61	11.8	15.2	21.7
59.2	64.3	69.4												*5.90	31.50						6.19	7.28	8.94	11.5	16.4
37.8	43.6	49.2	55.7	62.1	68.4	75.7	83.5	91.2	101.4	109.1	119.2	129.4		9.25	50.00	10.4	12.2	14.9	19.0	26.0	11.6	13.7	16.9	21.7	30.7
67.3	72.4	77.4												*4.40	23.60						3.68	4.31	5.27	6.73	9.49
62.9	68.0	73.0												*5.20	28.00						5.03	5.90	7.24	9.30	13.2
38.0	43.8	49.3	55.9	62.3	68.6	75.9	83.6	91.4	101.6	109.2	119.4	129.5		9.00	50.00	10.0	11.8	14.4	18.3	25.0	11.2	13.2	16.3	21.0	29.7
53.0	58.2	63.4												*6.70	37.50						7.51	8.84	10.9	14.0	19.9

Key to correction factors: 0.8 | 0.9 | 1.0 | 1.1 | 1.2

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

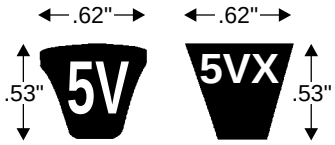
Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																						
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5VX 450	5VX 470	5VX 490	5V 5VX 500	5VX 510	5V 5VX 530	5VX 540	5VX 550	5V 5VX 560	5VX 570	5VX 580	5VX 590	5V 5VX 600	5VX 610	5V 5VX 630	5VX 650	5VX 660	5V 5VX 670
99	119	150	200	301	*4.90	28.00	5.81																						
99	119	150	200	301	*5.50	31.50	5.81																						
97	116	146	195	295	8.50	50.00	5.94																						
95	114	144	192	290	*6.30	37.50	6.03																						
94	113	142	189	285	*4.65	28.00	6.13																						
93	112	141	188	284	*5.20	31.50	6.16																						
91	109	138	184	277	8.00	50.00	6.32																						
89	107	135	180	271	*5.90	37.50	6.45																						
89	106	134	179	270	*4.40	28.00	6.49																						
88	106	133	177	268	*4.90	31.50	6.54																						
85	102	129	172	260	7.50	50.00	6.74																						
83	100	126	168	254	*4.65	31.50	6.90																						
83	100	126	167	253	*5.50	37.50	6.93																						
81	97	122	163	245	7.10	50.00	7.13																						
79	95	119	159	240	*4.40	31.50	7.30																						
78	94	119	158	239	*5.20	37.50	7.33																						
76	91	115	153	231	*6.70	50.00	7.56																						
74	89	112	149	225	*4.90	37.50	7.79																						
71	86	108	144	217	*6.30	50.00	8.05																						
70	84	106	141	213	*4.65	37.50	8.22																						
67	80	101	135	203	*5.90	50.00	8.60																						
66	79	100	133	201	*4.40	37.50	8.70																						
62	75	94	126	189	*5.50	50.00	9.24																						
59	71	89	119	179	*5.20	50.00	9.78																						
55	66	84	112	168	*4.90	50.00	10.40																						
52	63	79	106	160	*4.65	50.00	10.97																						
50	59	75	100	151	*4.40	50.00	11.60																						

NO RATING

Key to correction factors: 0.7

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.



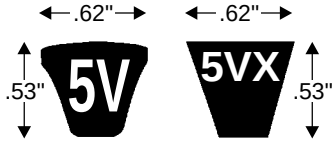
V-Belt No. and Center Distance															Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																	Super HC					Super HC Molded Notch				
																	RPM of Small Sheave					RPM of Small Sheave				
5VX 680	5VX 690	5V 5VX 710	5VX 730	5VX 740	5V 5VX 750	5VX 780	5V 5VX 800	5VX 810	5VX 830	5VX 840	5V 5VX 850	5VX 860	5VX 880		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
															*4.90	28.00						4.52	5.31	6.50	8.34	
															*5.50	31.50						5.53	6.50	7.97	10.3	
															8.50	50.00	9.24	10.8	13.2	16.9	23.2	10.4	12.3	15.1	19.5	27.6
															*6.30	37.50						6.85	8.06	9.91	12.8	18.2
															*4.65	28.00						4.10	4.81	5.89	7.54	10.7
															*5.20	31.50						5.03	5.90	7.24	9.30	13.2
															8.00	50.00	8.45	9.91	12.1	15.4	21.2	9.62	11.3	14.0	18.0	25.5
															*5.90	37.50						6.19	7.28	8.94	11.5	16.4
															*4.40	28.00						3.68	4.31	5.27	6.73	9.49
															*4.90	31.50						4.52	5.31	6.50	8.34	11.8
															7.50	50.00	7.65	8.97	10.9	13.9	19.2	8.81	10.4	12.8	16.5	23.4
															*4.65	31.50						4.10	4.81	5.89	7.54	10.7
															*5.50	37.50						5.53	6.50	7.97	10.3	14.6
															7.10	50.00	7.01	8.21	10.0	12.7	17.6	8.16	9.61	11.8	15.2	21.7
															*4.40	31.50						3.68	4.31	5.27	6.73	9.49
															*5.20	37.50						5.03	5.90	7.24	9.30	13.2
															*6.70	50.00						7.51	8.84	10.9	14.0	19.9
															*4.90	37.50						4.52	5.31	6.50	8.34	11.8
															*6.30	50.00						6.85	8.06	9.91	12.8	18.2
															*4.65	37.50						4.10	4.81	5.89	7.54	10.7
															*5.90	50.00						6.19	7.28	8.94	11.5	16.4
															*4.40	37.50						3.68	4.31	5.27	6.73	9.49
															*5.50	50.00						5.53	6.50	7.97	10.3	14.6
															*5.20	50.00						5.03	5.90	7.24	9.30	13.2
															*4.90	50.00						4.52	5.31	6.50	8.34	11.8
															*4.65	50.00						4.10	4.81	5.89	7.54	10.7
															*4.40	50.00						3.68	4.31	5.27	6.73	9.49

NO RATING

Key to correction factors: 0.7

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.



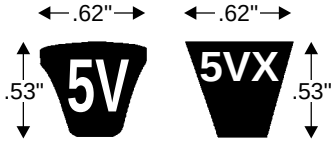
Super HC® V-Belt and Super HC PowerBand® Belt Drives or Super HC Molded Notch V-Belt and Super HC Molded Notch PowerBand Belt Drives

Table No. 7

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance																		
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	5V 5VX 900	5VX 930	5V 5VX 950	5VX 960	5V 5VX 1000	5VX 1030	5V 5VX 1060	5V 5VX 1080	5V 5VX 1120	5V 5VX 1150	5V 5VX 1180	5VX 1230	5V 5VX 1250	5V 5VX 1320	5V 5VX 1400	5V 5VX 1500	5V 5VX 1600	5V 5VX 1700
99	119	150	200	301	*4.90	28.00	5.81			17.7	18.4	20.9	22.6	24.4	25.5	27.7	29.4	31.0	33.7	34.7	38.4	42.6	47.8	52.9	58.0
99	119	150	200	301	*5.50	31.50	5.81								20.7	23.2	25.0	26.7	29.5	30.6	34.5	38.7	44.0	49.2	54.4
97	116	146	195	295	8.50	50.00	5.94																		32.1
95	114	144	192	290	*6.30	37.50	6.03														26.9	31.7	37.3	42.7	48.0
94	113	142	189	285	*4.65	28.00	6.13			17.9	18.5	21.0	22.8	24.5	25.7	27.9	29.5	31.1	33.8	34.9	38.6	42.8	47.9	53.1	58.2
93	112	141	188	284	*5.20	31.50	6.16							19.6	20.9	23.4	25.2	26.9	29.7	30.8	34.6	38.9	44.2	49.4	54.6
91	109	138	184	277	8.00	50.00	6.32																		32.4
89	107	135	180	271	*5.90	37.50	6.45														27.2	31.9	37.5	43.0	48.3
89	106	134	179	270	*4.40	28.00	6.49			18.0	18.7	21.2	22.9	24.7	25.8	28.0	29.7	31.3	34.0	35.0	38.7	42.9	48.1	53.2	58.4
88	106	133	177	268	*4.90	31.50	6.54							19.7	21.0	23.5	25.3	27.1	29.9	31.0	34.8	39.1	44.4	49.6	54.8
85	102	129	172	260	7.50	50.00	6.74																		32.6
83	100	126	168	254	*4.65	31.50	6.90							19.9	21.2	23.7	25.5	27.2	30.1	31.2	35.0	39.3	44.6	49.8	55.0
83	100	126	167	253	*5.50	37.50	6.93													22.9	27.4	32.2	37.8	43.2	48.6
81	97	122	163	245	7.10	50.00	7.13																		32.9
79	95	119	159	240	*4.40	31.50	7.30							20.0	21.3	23.8	25.6	27.4	30.2	31.3	35.2	39.5	44.7	50.0	55.1
78	94	119	158	239	*5.20	37.50	7.33													23.0	27.6	32.3	38.0	43.4	48.8
76	91	115	153	231	*6.70	50.00	7.56																		33.1
74	89	112	149	225	*4.90	37.50	7.79													23.2	27.8	32.5	38.2	43.6	49.0
71	86	108	144	217	*6.30	50.00	8.05																		33.3
70	84	106	141	213	*4.65	37.50	8.22													23.3	27.9	32.7	38.3	43.8	49.1
67	80	101	135	203	*5.90	50.00	8.60																		33.5
66	79	100	133	201	*4.40	37.50	8.70												22.0	23.5	28.1	32.8	38.5	43.9	49.3
62	75	94	126	189	*5.50	50.00	9.24																		33.8
59	71	89	119	179	*5.20	50.00	9.78																		33.9
55	66	84	112	168	*4.90	50.00	10.40																		34.1
52	63	79	106	160	*4.65	50.00	10.97																		34.3
50	59	75	100	151	*4.40	50.00	11.60																		34.4

Key to correction factors: 0.7 0.8 0.9 1.0

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

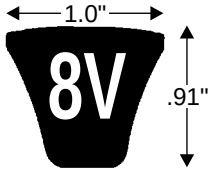


V-Belt No. and Center Distance														Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)									
																Super HC					Super HC Molded Notch				
																RPM of Small Sheave					RPM of Small Sheave				
5V 5VX 1800	5V 5VX 1900	5V 5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
63.1	68.2	73.2												*4.90	28.00						4.52	5.31	6.50	8.34	12.1
59.5	64.6	69.7												*5.50	31.50						5.53	6.50	7.97	10.3	14.6
38.3	44.1	49.7	56.2	62.6	68.9	76.2	84.0	91.7	101.9	109.6	119.8	129.9		8.50	50.00	9.24	10.8	13.2	16.9	23.2	10.4	12.3	15.1	19.5	27.6
53.3	58.5	63.7												*6.30	37.50						6.85	8.06	9.91	12.8	18.2
63.3	68.4	73.4												*4.65	28.00						4.10	4.81	5.89	7.54	10.7
59.7	64.8	69.9												*5.20	31.50						5.03	5.90	7.24	9.30	13.2
38.6	44.4	50.0	56.5	62.9	69.2	76.5	84.3	92.0	102.3	109.9	120.1	130.3		8.00	50.00	8.45	9.91	12.1	15.4	21.2	9.62	11.3	14.0	18.0	25.5
53.6	58.8	64.0												*5.90	37.50						6.19	7.28	8.94	11.5	16.4
63.5	68.5	73.6												*4.40	28.00						3.68	4.31	5.27	6.73	9.49
59.9	65.0	70.1												*4.90	31.50						4.52	5.31	6.50	8.34	11.8
38.9	44.7	50.3	56.8	63.2	69.6	76.9	84.7	92.4	102.6	110.3	120.5	130.6		7.50	50.00	7.65	8.97	10.9	13.9	19.2	8.81	10.4	12.8	16.5	23.4
60.1	65.2	70.3												*4.65	31.50						4.10	4.81	5.89	7.54	10.7
53.8	59.0	64.2												*5.50	37.50						5.53	6.50	7.97	10.3	14.6
39.1	44.9	50.5	57.1	63.5	69.8	77.2	84.9	92.7	102.9	110.6	120.7	130.9		7.10	50.00	7.01	8.21	10.0	12.7	17.6	8.16	9.61	11.8	15.2	21.7
60.3	65.4	70.5												*4.40	31.50						3.68	4.31	5.27	6.73	9.49
54.0	59.2	64.4												*5.20	37.50						5.03	5.90	7.24	9.30	13.2
39.3	45.2	50.8												*6.70	50.00						7.51	8.84	10.9	14.0	19.9
54.2	59.5	64.6												*4.90	37.50						4.52	5.31	6.50	8.34	11.8
39.6	45.4	51.0												*6.30	50.00						6.85	8.06	9.91	12.8	18.2
54.4	59.6	64.8												*4.65	37.50						4.10	4.81	5.89	7.54	10.7
39.8	45.7	51.3												*5.90	50.00						6.19	7.28	8.94	11.5	16.4
54.6	59.8	65.0												*4.40	37.50						3.68	4.31	5.27	6.73	9.49
40.1	45.9	51.5												*5.50	50.00						5.53	6.50	7.97	10.3	14.6
40.2	46.1	51.7												*5.20	50.00						5.03	5.90	7.24	9.30	13.2
40.4	46.3	51.9												*4.90	50.00						4.52	5.31	6.50	8.34	11.8
40.6	46.4	52.1												*4.65	50.00						4.10	4.81	5.89	7.54	10.7
40.7	46.6	52.2												*4.40	50.00						3.68	4.31	5.27	6.73	9.49

Key to correction factors: 0.8 0.9 1.0 1.1

*Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.

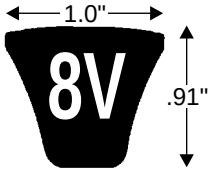


Super HC® V-Belt and Super HC PowerBand® Belt Drives

Table No. 8

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance													
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	8V 1000	8V 1060	8V 1120	8V 1180	8V 1250	8V 1320	8V 1400	8V 1500	8V 1600	8V 1700	8V 1800	8V 1900	8V 2000	8V 2120	8V 2240
575	690	870	1160	1750	12.50	12.50	1.00	30.4	33.4	36.4	39.4	42.9	46.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	86.4	92.4
575	690	870	1160	1750	13.20	13.20	1.00	29.3	32.3	35.3	38.3	41.8	45.3	49.3	54.3	59.3	64.3	69.3	74.3	79.3	85.3	91.3
575	690	870	1160	1750	14.00	14.00	1.00	28.0	31.0	34.0	37.0	40.5	44.0	48.0	53.0	58.0	63.0	68.0	73.0	78.0	84.0	90.0
575	690	870	1160	1750	15.00	15.00	1.00	26.5	29.5	32.4	35.4	38.9	42.4	46.4	51.4	56.4	61.4	66.4	71.4	76.4	82.4	88.4
575	690	870	1160	1750	16.00	16.00	1.00	24.9	27.9	30.9	33.9	37.4	40.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	80.9	86.9
575	690	870	1160	1750	17.00	17.00	1.00	23.3	26.3	29.3	32.3	35.8	39.3	43.3	48.3	53.3	58.3	63.3	68.3	73.3	79.3	85.3
575	690	870	1160	1750	18.00	18.00	1.00	21.7	24.7	27.7	30.7	34.2	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7	77.7	83.7
575	690	870	1160	1750	19.00	19.00	1.00		23.2	26.2	29.2	32.7	36.2	40.2	45.2	50.2	55.2	60.2	65.2	70.2	76.2	82.2
575	690	870	1160	1750	20.00	20.00	1.00		21.6	24.6	27.6	31.1	34.6	38.6	43.6	48.6	53.6	58.6	63.6	68.6	74.6	80.6
575	690	870	1160	1750	21.20	21.20	1.00			22.7	25.7	29.2	32.7	36.7	41.7	46.7	51.7	56.7	61.7	66.7	72.7	78.7
575	690	870	1160	1750	22.40	22.40	1.00					27.3	30.8	34.8	39.8	44.8	49.8	54.8	59.8	64.8	70.8	76.8
548	657	829	1105	1667	19.00	20.00	1.05		22.4	25.4	28.4	31.9	35.4	39.4	44.4	49.4	54.4	59.4	64.4	69.4	75.4	81.4
542	651	821	1094	1651	12.50	13.20	1.06	29.8	32.8	35.8	38.8	42.3	45.8	49.8	54.8	59.8	64.8	69.8	74.8	79.8	85.8	91.8
542	651	821	1094	1651	13.20	14.00	1.06	28.6	31.6	34.6	37.6	41.1	44.6	48.6	53.6	58.6	63.6	68.6	73.6	78.6	84.6	90.6
542	651	821	1094	1651	16.00	17.00	1.06	24.1	27.1	30.1	33.1	36.6	40.1	44.1	49.1	54.1	59.1	64.1	69.1	74.1	80.1	86.1
542	651	821	1094	1651	17.00	18.00	1.06	22.5	25.5	28.5	31.5	35.0	38.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	78.5	84.5
542	651	821	1094	1651	18.00	19.00	1.06	20.9	23.9	27.0	30.0	33.5	37.0	41.0	46.0	51.0	56.0	61.0	66.0	71.0	77.0	83.0
542	651	821	1094	1651	20.00	21.20	1.06			23.7	26.7	30.2	33.7	37.7	42.7	47.7	52.7	57.7	62.7	67.7	73.7	79.7
542	651	821	1094	1651	21.20	22.40	1.06				24.8	28.3	31.8	35.8	40.8	45.8	50.8	55.8	60.8	65.8	71.8	77.8
537	645	813	1084	1636	14.00	15.00	1.07	27.2	30.2	33.2	36.2	39.7	43.2	47.2	52.2	57.2	62.2	67.2	72.2	77.2	83.2	89.2
537	645	813	1084	1636	15.00	16.00	1.07	25.7	28.7	31.7	34.7	38.2	41.7	45.7	50.7	55.7	60.7	65.7	70.7	75.7	81.7	87.7
518	622	784	1045	1577	18.00	20.00	1.11		23.1	26.2	29.2	32.7	36.2	40.2	45.2	50.2	55.2	60.2	65.2	70.2	76.2	82.2
518	622	784	1045	1577	22.40	24.80	1.11					25.4	28.9	32.9	37.9	42.9	47.9	52.9	57.9	62.9	68.9	74.9
513	616	777	1036	1563	12.50	14.00	1.12	29.2	32.2	35.2	38.2	41.7	45.2	49.2	54.2	59.2	64.2	69.2	74.2	79.2	85.2	91.2
513	616	777	1036	1563	17.00	19.00	1.12	21.7	24.7	27.7	30.7	34.2	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7	77.7	83.7
513	616	777	1036	1563	19.00	21.20	1.12			24.4	27.4	30.9	34.4	38.4	43.4	48.4	53.4	58.4	63.4	68.4	74.4	80.4
513	616	777	1036	1563	20.00	22.40	1.12			22.7	25.7	29.2	32.7	36.7	41.7	46.7	51.7	56.7	61.7	66.7	72.7	78.7
509	611	770	1027	1549	16.00	18.00	1.13	23.3	26.3	29.3	32.3	35.8	39.3	43.3	48.3	53.3	58.3	63.3	68.3	73.3	79.3	85.3
504	605	763	1018	1535	13.20	15.00	1.14	27.8	30.8	33.9	36.9	40.4	43.9	47.9	52.9	57.9	62.9	67.9	72.9	77.9	83.9	89.9
504	605	763	1018	1535	14.00	16.00	1.14	26.4	29.4	32.4	35.4	38.9	42.4	46.4	51.4	56.4	61.4	66.4	71.4	76.4	82.4	88.4
504	605	763	1018	1535	15.00	17.00	1.14	24.9	27.9	30.9	33.9	37.4	40.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	80.9	86.9
491	590	744	991	1496	21.20	24.80	1.17					26.3	29.8	33.8	38.8	43.9	48.9	53.9	58.9	63.9	69.9	75.9
487	585	737	983	1483	17.00	20.00	1.18	20.9	23.9	26.9	29.9	33.4	36.9	40.9	45.9	50.9	55.9	60.9	65.9	70.9	76.9	82.9
487	585	737	983	1483	18.00	21.20	1.18		22.2	25.2	28.2	31.7	35.2	39.2	44.2	49.2	54.2	59.2	64.2	69.2	75.2	81.2
487	585	737	983	1483	19.00	22.40	1.18			23.4	26.4	30.0	33.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	73.5	79.5
483	580	731	975	1471	16.00	19.00	1.19	22.5	25.5	28.5	31.5	35.0	38.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	78.5	84.5
479	575	725	967	1458	12.50	15.00	1.20	28.4	31.4	34.4	37.4	40.9	44.4	48.4	53.4	58.4	63.4	68.4	73.4	78.4	84.4	90.4
479	575	725	967	1458	15.00	18.00	1.20	24.0	27.1	30.1	33.1	36.6	40.1	44.1	49.1	54.1	59.1	64.1	69.1	74.1	80.1	86.1
471	566	713	951	1434	13.20	16.00	1.22	27.0	30.0	33.0	36.1	39.6	43.1	47.1	52.1	57.1	62.1	67.1	72.1	77.1	83.1	89.1
471	566	713	951	1434	14.00	17.00	1.22	25.6	28.6	31.6	34.6	38.1	41.6	45.6	50.6	55.6	60.6	65.6	70.6	75.7	81.7	87.7
464	556	702	935	1411	20.00	24.80	1.24					27.2	30.7	34.7	39.8	44.8	49.8	54.8	59.8	64.8	70.8	76.8
460	552	696	928	1400	16.00	20.00	1.25	21.6	24.7	27.7	30.7	34.2	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7	77.7	83.7
460	552	696	928	1400	17.00	21.20	1.25		22.9	25.9	28.9	32.4	36.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	76.0	82.0
460	552	696	928	1400	18.00	22.40	1.25			24.2	27.2	30.7	34.2	38.2	43.2	48.2	53.2	58.2	63.2	68.3	74.3	80.3
453	543	685	913	1378	15.00	19.00	1.27	23.2	26.2	29.2	32.2	35.8	39.3	43.3	48.3	53.3	58.3	63.3	68.3	73.3	79.3	85.3
449	539	680	906	1367	12.50	16.00	1.28	27.6	30.6	33.6	36.6	40.1	43.6	47.6	52.6	57.6	62.6	67.6	72.6	77.6	83.6	89.6
446	535	674	899	1357	13.20	17.00	1.29	26.2	29.2	32.2	35.2	38.7	42.3	46.3	51.3	56.3	61.3	66.3	71.3	76.3	82.3	88.3
446	535	674	899	1357	14.00	18.00	1.29	24.8	27.8	30.8	33.8	37.3	40.8	44.8	49.8	54.8	59.8	64.8	69.9	74.9	80.9	86.9
439	527	664	885	1336	19.00	24.80	1.31				24.4	28.0	31.5	35.5	40.5	45.5	50.5	55.5	60.5	65.6	71.6	77.6
436	523	659	879	1326	17.00	22.40	1.32		21.9	24.9	27.9	31.5	35.0	39.0	44.0	49.0	54.0	59.0	64.0	69.0	75.0	81.0
432	519	654	872	1316	16.00	21.20	1.33	20.6	23.7	26.7	29.7	33.2	36.7	40.7	45.7	50.7	55.7	60.7	65.7	70.8	76.8	82.8

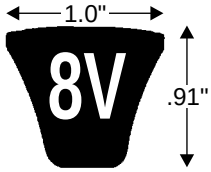
Key to correction factors: 0.8 0.9 1.0



V-Belt No. and Center Distance																Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio) RPM of Small Sheave				
8V 2360	8V 2500	8V 2650	8V 2800	8V 3000	8V 3150	8V 3350	8V 3550	8V 3750	8V 4000	8V 4250	8V 4500	8V 4750	8V 5000	8V 5600	Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
98.4	105.4	112.9	120.4	130.4	137.9	147.9	157.9	167.9	180.4	192.9	205.4	217.9	230.4	260.4	12.50	12.50	25.3	29.3	35.0	42.6	50.9
97.3	104.3	111.8	119.3	129.3	136.8	146.8	156.8	166.8	179.3	191.8	204.3	216.8	229.3	259.3	13.20	13.20	28.1	32.6	38.9	47.3	56.1
96.0	103.0	110.5	118.0	128.0	135.5	145.5	155.5	165.5	178.0	190.5	203.0	215.5	228.0	258.0	14.00	14.00	31.3	36.2	43.2	52.5	61.7
94.4	101.4	108.9	116.4	126.5	133.9	143.9	153.9	163.9	176.4	189.0	201.5	214.0	226.5	256.4	15.00	15.00	35.2	40.7	48.6	58.8	•67.9
92.9	99.9	107.4	114.9	124.9	132.4	142.4	152.4	162.4	174.9	187.4	199.9	212.4	224.9	254.9	16.00	16.00	39.0	45.2	53.8	64.8	†
91.3	98.3	105.8	113.3	123.3	130.8	140.8	150.8	160.8	173.3	185.8	198.3	210.8	223.3	253.3	17.00	17.00	42.8	49.5	58.9	70.6	†
89.7	96.7	104.2	111.7	121.7	129.2	139.2	149.2	159.2	171.7	184.2	196.7	209.2	221.7	251.7	18.00	18.00	46.5	53.8	63.9	76.1	†
88.2	95.2	102.7	110.2	120.2	127.7	137.7	147.7	157.7	170.2	182.7	195.2	207.7	220.2	250.2	19.00	19.00	50.2	58.0	68.7	81.2	†
86.6	93.6	101.1	108.6	118.6	126.1	136.1	146.1	156.1	168.6	181.1	193.6	206.1	218.6	248.6	20.00	20.00	53.9	62.2	73.4	86.1	†
84.7	91.7	99.2	106.7	116.7	124.2	134.2	144.2	154.2	166.7	179.2	191.7	204.2	216.7	246.7	21.20	21.20	58.2	67.1	78.8	91.5	†
82.8	89.8	97.3	104.8	114.8	122.3	132.3	142.3	152.3	164.8	177.3	189.8	202.3	214.8	244.8	22.40	22.40	62.5	71.8	84.0	•96.5	†
87.4	94.4	101.9	109.4	119.4	126.9	136.9	146.9	156.9	169.4	181.9	194.4	206.9	219.4	249.4	19.00	20.00	50.5	58.3	69.1	81.7	†
97.8	104.8	112.3	119.8	129.8	137.3	147.3	157.3	167.3	179.8	192.3	204.8	217.3	229.8	259.8	12.50	13.20	26.0	30.2	36.1	44.1	53.1
96.6	103.6	111.1	118.6	128.6	136.1	146.1	156.1	166.1	178.6	191.1	203.6	216.1	228.6	258.6	13.20	14.00	28.8	33.5	40.0	48.8	58.3
92.1	99.1	106.6	114.1	124.1	131.6	141.6	151.6	161.6	174.1	186.6	199.1	211.6	224.1	254.1	16.00	17.00	39.7	46.1	54.9	66.3	†
90.5	97.5	105.0	112.5	122.5	130.0	140.0	150.0	160.0	172.5	185.0	197.5	210.0	222.5	252.5	17.00	18.00	43.5	50.4	60.0	72.1	†
89.0	96.0	103.5	111.0	121.0	128.5	138.5	148.5	158.5	171.0	183.5	196.0	208.5	221.0	251.0	18.00	19.00	47.2	54.7	65.0	77.6	†
85.7	92.7	100.2	107.7	117.7	125.2	135.2	145.2	155.2	167.7	180.2	192.7	205.2	217.7	247.7	20.00	21.20	54.6	63.1	74.5	87.6	†
83.8	90.8	98.3	105.8	115.8	123.3	133.3	143.3	153.3	165.8	178.3	190.8	203.3	215.8	245.8	21.20	22.40	58.9	68.0	79.9	93.0	†
95.2	102.2	109.7	117.2	127.2	134.7	144.7	154.7	164.7	177.2	189.7	202.2	214.7	227.2	257.2	14.00	15.00	32.0	37.1	44.3	54.0	63.9
93.7	100.7	108.2	115.7	125.7	133.2	143.2	153.2	163.2	175.7	188.2	200.7	213.2	225.7	255.7	15.00	16.00	35.9	41.6	49.7	60.3	•70.1
88.2	95.2	102.7	110.2	120.2	127.7	137.7	147.7	157.7	170.2	182.7	195.2	207.7	220.2	250.2	18.00	20.00	47.2	54.7	65.0	77.6	†
80.9	87.9	95.4	102.9	112.9	120.4	130.4	140.4	150.4	162.9	175.4	187.9	200.4	212.9	242.9	22.40	24.80	63.2	72.7	85.1	•98.0	†
97.2	104.2	111.7	119.2	129.2	136.7	146.7	156.7	166.7	179.2	191.7	204.2	216.7	229.2	259.2	12.50	14.00	26.6	30.8	36.9	45.2	54.8
89.7	96.7	104.2	111.7	121.7	129.2	139.2	149.2	159.2	171.7	184.2	196.7	209.2	221.7	251.7	17.00	19.00	44.1	51.0	60.8	73.2	†
86.4	93.4	100.9	108.4	118.4	125.9	135.9	145.9	155.9	168.4	180.9	193.4	205.9	218.4	248.4	19.00	21.20	51.5	59.5	70.6	83.8	†
84.7	91.7	99.2	106.7	116.7	124.2	134.2	144.2	154.2	166.7	179.2	191.7	204.2	216.7	246.7	20.00	22.40	55.2	63.7	75.3	88.7	†
91.3	98.3	105.8	113.3	123.3	130.8	140.8	150.8	160.8	173.3	185.8	198.3	210.8	223.3	253.3	16.00	18.00	40.3	46.7	55.7	67.4	†
95.9	102.9	110.4	117.9	127.9	135.4	145.4	155.4	165.4	177.9	190.4	202.9	215.4	227.9	257.9	13.20	15.00	29.4	34.1	40.8	49.9	60.0
94.4	101.4	108.9	116.4	126.4	133.9	143.9	153.9	163.9	176.4	188.9	201.4	213.9	226.4	256.4	14.00	16.00	32.6	37.7	45.1	55.1	65.6
92.9	99.9	107.4	114.9	124.9	132.4	142.4	152.4	162.4	174.9	187.4	199.9	212.4	224.9	254.9	15.00	17.00	36.5	42.2	50.5	61.4	•71.8
81.9	88.9	96.4	103.9	113.9	121.4	131.4	141.4	151.4	163.9	176.4	188.9	201.4	213.9	243.9	21.20	24.80	59.5	68.6	80.7	94.1	†
88.9	95.9	103.4	110.9	120.9	128.4	138.4	148.4	158.4	170.9	183.4	195.9	208.4	220.9	251.0	17.00	20.00	44.1	51.0	60.8	73.2	†
87.2	94.2	101.7	109.2	119.2	126.7	136.7	146.7	156.7	169.2	181.7	194.2	206.7	219.2	249.2	18.00	21.20	47.8	55.3	65.8	78.7	†
85.5	92.5	100.0	107.5	117.5	125.0	135.0	145.0	155.0	167.5	180.0	192.5	205.0	217.5	247.5	19.00	22.40	51.5	59.5	70.6	83.8	†
90.5	97.5	105.0	112.5	122.5	130.0	140.0	150.0	160.0	172.5	185.0	197.5	210.0	222.5	252.5	16.00	19.00	40.7	47.3	56.4	68.3	†
96.4	103.4	110.9	118.4	128.4	135.9	145.9	155.9	165.9	178.4	190.9	203.4	215.9	228.4	258.4	12.50	15.00	27.0	31.4	37.6	46.1	56.2
92.1	99.1	106.6	114.1	124.1	131.6	141.6	151.6	161.6	174.1	186.6	199.1	211.6	224.1	254.1	15.00	18.00	36.9	42.8	51.2	62.3	•73.2
95.1	102.1	109.6	117.1	127.1	134.6	144.6	154.6	164.6	177.1	189.6	202.1	214.6	227.1	257.1	13.20	16.00	29.8	34.7	41.5	50.8	61.4
93.7	100.7	108.2	115.7	125.7	133.2	143.2	153.2	163.2	175.7	188.2	200.7	213.2	225.7	255.7	14.00	17.00	33.0	38.3	45.8	56.0	67.0
82.8	89.8	97.3	104.8	114.8	122.3	132.3	142.3	152.3	164.8	177.3	189.8	202.3	214.8	244.8	20.00	24.80	55.6	64.3	76.0	89.6	†
89.7	96.7	104.2	111.7	121.7	129.2	139.2	149.2	159.2	171.7	184.2	196.7	209.2	221.7	251.7	16.00	20.00	40.7	47.3	56.4	68.3	†
88.0	95.0	102.5	110.0	120.0	127.5	137.5	147.5	157.5	170.0	182.5	195.0	207.5	220.0	250.0	17.00	21.20	44.5	51.6	61.5	74.1	†
86.3	93.3	100.8	108.3	118.3	125.8	135.8	145.8	155.8	168.3	180.8	193.3	205.8	218.3	248.3	18.00	22.40	48.2	55.9	66.5	79.6	†
91.3	98.3	105.8	113.3	123.3	130.8	140.8	150.8	160.8	173.3	185.8	198.3	210.8	223.3	253.3	15.00	19.00	37.3	43.2	51.8	63.1	•74.3
95.6	102.6	110.1	117.6	127.6	135.1	145.1	155.1	165.1	177.6	190.1	202.6	215.1	227.6	257.6	12.50	16.00	27.4	31.8	38.2	46.9	57.3
94.3	101.3	108.8	116.3	126.3	133.8	143.8	153.8	163.8	176.3	188.8	201.3	213.8	226.3	256.3	13.20	17.00	30.2	35.1	42.1	51.6	62.5
92.9	99.9	107.4	114.9	124.9	132.4	142.4	152.4	162.4	174.9	187.4	199.9	212.4	224.9	254.9	14.00	18.00	33.4	38.7	46.4	56.8	68.1
83.6	90.6	98.1	105.6	115.6	123.1	133.1	143.1	153.1	165.6	178.1	190.6	203.1	215.6	245.6	19.00	24.80	52.3	60.5	71.9	85.5	†
87.0	94.0	101.5	109.0	119.0	126.5	136.5	146.5	156.5	169.0	181.6	194.1	206.6	219.1	249.1	17.00	22.40	44.9	52.0	62.1	74.9	†
88.8	95.8	103.3	110.8	120.8	128.3	138.3	148.3	158.3	170.8	183.3	195.8	208.3	220.8	250.8	16.00	21.20	41.1	47.7	57.0	69.1	†

Key to correction factors: 1.0 1.1

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.

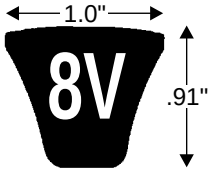


Super HC® V-Belt and Super HC PowerBand® Belt Drives

Table No. 8

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance													
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	8V 1000	8V 1060	8V 1120	8V 1180	8V 1250	8V 1320	8V 1400	8V 1500	8V 1600	8V 1700	8V 1800	8V 1900	8V 2000	8V 2120	8V 2240
429	515	649	866	1306	15.00	20.00	1.34	22.4	25.4	28.4	31.4	34.9	38.4	42.5	47.5	52.5	57.5	62.5	67.5	72.5	78.5	84.5
429	515	649	866	1306	22.40	30.00	1.34							28.6	33.7	38.7	43.7	48.7	53.7	58.7	64.8	70.8
423	507	640	853	1287	14.00	19.00	1.36	24.0	27.0	30.0	33.0	36.5	40.0	44.0	49.0	54.0	59.0	64.0	69.0	74.1	80.1	86.1
420	504	635	847	1277	12.50	17.00	1.37	26.7	29.8	32.8	35.8	39.3	42.8	46.8	51.8	56.8	61.8	66.8	71.8	76.8	82.8	88.8
420	504	635	847	1277	13.20	18.00	1.37	25.4	28.4	31.4	34.4	37.9	41.4	45.4	50.5	55.5	60.5	65.5	70.5	75.5	81.5	87.5
417	500	630	841	1268	18.00	24.80	1.38				25.2	28.7	32.2	36.2	41.3	46.3	51.3	56.3	61.3	66.3	72.3	78.3
408	489	617	823	1241	16.00	22.40	1.41		22.6	25.7	28.7	32.2	35.7	39.7	44.7	49.8	54.8	59.8	64.8	69.8	75.8	81.8
405	486	613	817	1232	15.00	21.20	1.42	21.4	24.4	27.4	30.4	33.9	37.5	41.5	46.5	51.5	56.5	61.5	66.5	71.5	77.5	83.5
405	486	613	817	1232	21.20	30.00	1.42							29.5	34.5	39.6	44.6	49.6	54.6	59.6	65.7	71.7
402	483	608	811	1224	14.00	20.00	1.43	23.1	26.1	29.2	32.2	35.7	39.2	43.2	48.2	53.2	58.2	63.2	68.2	73.2	79.3	85.3
397	476	600	800	1207	12.50	18.00	1.45	25.9	28.9	31.9	34.9	38.5	42.0	46.0	51.0	56.0	61.0	66.0	71.0	76.0	82.0	88.0
397	476	600	800	1207	13.20	19.00	1.45	24.6	27.6	30.6	33.6	37.1	40.6	44.6	49.6	54.6	59.7	64.7	69.7	74.7	80.7	86.7
394	473	596	795	1199	17.00	24.80	1.46			22.9	25.9	29.4	33.0	37.0	42.0	47.0	52.0	57.1	62.1	67.1	73.1	79.1
383	460	580	773	1167	15.00	22.40	1.50	20.3	23.3	26.4	29.4	32.9	36.5	40.5	45.5	50.5	55.5	60.5	65.5	70.5	76.6	82.6
381	457	576	768	1159	20.00	30.00	1.51							30.3	35.4	40.4	45.5	50.5	55.5	60.5	66.6	72.6
378	454	572	763	1151	13.20	20.00	1.52	23.7	26.7	29.7	32.8	36.3	39.8	43.8	48.8	53.8	58.8	63.8	68.9	73.9	79.9	85.9
378	454	572	763	1151	14.00	21.20	1.52	22.1	25.1	28.1	31.2	34.7	38.2	42.2	47.2	52.2	57.3	62.3	67.3	72.3	78.3	84.3
376	451	569	758	1144	12.50	19.00	1.53	25.1	28.1	31.1	34.1	37.6	41.1	45.2	50.2	55.2	60.2	65.2	70.2	75.2	81.2	87.2
369	442	558	744	1122	16.00	24.80	1.56			23.6	26.6	30.2	33.7	37.7	42.7	47.8	52.8	57.8	62.8	67.8	73.8	79.9
362	434	547	730	1101	19.00	30.00	1.59						27.0	31.0	36.1	41.2	46.2	51.2	56.3	61.3	67.3	73.3
362	434	547	730	1101	22.40	35.50	1.59									33.9	39.0	44.1	49.1	54.2	60.2	66.2
357	429	540	720	1087	12.50	20.00	1.61	24.2	27.2	30.3	33.3	36.8	40.3	44.3	49.3	54.4	59.4	64.4	69.4	74.4	80.4	86.4
357	429	540	720	1087	14.00	22.40	1.61	21.0	24.1	27.1	30.1	33.7	37.2	41.2	46.2	51.3	56.3	61.3	66.3	71.3	77.3	83.3
355	426	537	716	1080	13.20	21.20	1.62	22.6	25.7	28.7	31.7	35.3	38.8	42.8	47.8	52.8	57.9	62.9	67.9	72.9	78.9	84.9
346	416	524	699	1054	15.00	24.80	1.66			24.3	27.3	30.9	34.4	38.4	43.5	48.5	53.5	58.6	63.6	68.6	74.6	80.6
344	413	521	695	1048	18.00	30.00	1.67						27.7	31.8	36.8	41.9	46.9	52.0	57.0	62.0	68.1	74.1
342	411	518	690	1042	21.20	35.50	1.68									34.8	39.8	44.9	50.0	55.0	61.1	67.1
336	404	509	678	1023	12.50	21.20	1.71	23.1	26.2	29.2	32.3	35.8	39.3	43.3	48.3	53.4	58.4	63.4	68.4	73.4	79.4	85.4
336	404	509	678	1023	13.20	22.40	1.71	21.6	24.6	27.7	30.7	34.2	37.8	41.8	46.8	51.8	56.9	61.9	66.9	71.9	77.9	83.9
325	390	492	655	989	17.00	30.00	1.77						28.4	32.5	37.5	42.6	47.7	52.7	57.7	62.8	68.8	74.8
323	388	489	652	983	14.00	24.80	1.78		21.9	25.0	28.0	31.6	35.1	39.2	44.2	49.2	54.3	59.3	64.3	69.3	75.3	81.4
323	388	489	652	983	20.00	35.50	1.78								30.4	35.6	40.7	45.8	50.8	55.9	61.9	68.0
321	385	486	648	978	22.40	40.00	1.79										34.9	40.0	45.2	50.2	56.3	62.4
319	383	483	644	972	12.50	22.40	1.80	22.0	25.1	28.2	31.2	34.8	38.3	42.3	47.3	52.4	57.4	62.4	67.4	72.4	78.4	84.5
306	367	463	617	931	19.00	35.50	1.88								31.1	36.3	41.4	46.5	51.6	56.6	62.7	68.7
304	365	460	614	926	13.20	24.80	1.89		22.4	25.5	28.6	32.1	35.7	39.7	44.8	49.8	54.9	59.9	64.9	69.9	75.9	82.0
304	365	460	614	926	16.00	30.00	1.89					25.4	29.0	33.2	38.2	43.3	48.4	53.4	58.5	63.5	69.5	75.6
303	363	458	611	921	21.20	40.00	1.90										35.7	40.9	46.0	51.1	57.2	63.3
290	348	439	586	884	18.00	35.50	1.98								31.8	37.0	42.1	47.2	52.3	57.3	63.4	69.5
288	345	435	580	875	12.50	24.80	2.00		22.9	26.0	29.1	32.6	36.2	40.2	45.3	50.3	55.4	60.4	65.4	70.5	76.5	82.5
288	345	435	580	875	22.40	44.50	2.00											35.8	41.0	46.2	52.3	58.4
286	343	433	577	871	15.00	30.00	2.01					26.1	29.7	33.8	39.0	44.0	49.1	54.2	59.2	64.2	70.3	76.3
286	343	433	577	871	20.00	40.00	2.01										36.5	41.7	46.8	51.9	58.0	64.1
274	329	414	552	833	17.00	35.50	2.10								32.5	37.7	42.8	47.9	53.0	58.1	64.1	70.2
273	327	412	550	829	21.20	44.50	2.11											36.6	41.8	47.0	53.1	59.3
271	325	410	547	825	19.00	40.00	2.12									32.0	37.2	42.4	47.5	52.6	58.7	64.8
266	319	403	537	810	14.00	30.00	2.16					26.8	30.4	34.5	39.7	44.7	49.8	54.9	59.9	65.0	71.0	77.0
258	309	390	520	785	16.00	35.50	2.23							27.9	33.1	38.3	43.5	48.6	53.7	58.8	64.8	70.9
257	308	388	518	781	18.00	40.00	2.24									32.6	37.9	43.1	48.2	53.3	59.5	65.5
257	308	388	518	781	20.00	44.50	2.24											37.4	42.6	47.8	54.0	60.1
251	301	380	507	764	13.20	30.00	2.29				23.6	27.3	30.9	35.1	40.2	45.3	50.4	55.5	60.5	65.5	71.6	77.6

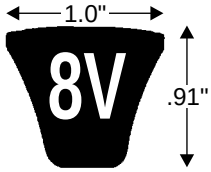
Key to correction factors: 0.8 0.9 1.0



V-Belt No. and Center Distance																Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio) RPM of Small Sheave				
8V 2360	8V 2500	8V 2650	8V 2800	8V 3000	8V 3150	8V 3350	8V 3550	8V 3750	8V 4000	8V 4250	8V 4500	8V 4750	8V 5000	8V 5600		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
90.5	97.5	105.0	112.5	122.5	130.0	140.0	150.0	160.0	172.5	185.0	197.5	210.0	222.5	252.5		15.00	20.00	37.3	43.2	51.8	63.1	•74.3
76.8	83.8	91.3	98.8	108.8	116.3	126.3	136.3	146.3	158.8	171.3	183.8	196.3	208.8	238.8		22.40	30.00	64.6	74.3	87.2	•100.8	†
92.1	99.1	106.6	114.1	124.1	131.6	141.6	151.6	161.6	174.1	186.6	199.1	211.6	224.1	254.1		14.00	19.00	33.4	38.7	46.4	56.8	68.1
94.8	101.8	109.3	116.8	126.8	134.3	144.3	154.3	164.3	176.8	189.3	201.8	214.3	226.8	256.8		12.50	17.00	27.4	31.8	38.2	46.9	57.3
93.5	100.5	108.0	115.5	125.5	133.0	143.0	153.0	163.0	175.5	188.0	200.5	213.0	225.5	255.5		13.20	18.00	30.2	35.1	42.1	51.6	62.5
84.3	91.3	98.8	106.3	116.4	123.9	133.9	143.9	153.9	166.4	178.9	191.4	203.9	216.4	246.4		18.00	24.80	48.6	56.3	67.1	80.4	†
87.8	94.8	102.3	109.8	119.8	127.3	137.3	147.3	157.3	169.8	182.3	194.8	207.3	219.8	249.8		16.00	22.40	41.5	48.2	57.5	69.8	†
89.5	96.5	104.0	111.5	121.5	129.0	139.0	149.1	159.1	171.6	184.1	196.6	209.1	221.6	251.6		15.00	21.20	37.7	43.7	52.3	63.8	•75.4
77.7	84.7	92.2	99.7	109.7	117.2	127.2	137.2	147.2	159.7	172.3	184.8	197.3	209.8	239.8		21.20	30.00	60.7	70.1	82.5	96.5	†
91.3	98.3	105.8	113.3	123.3	130.8	140.8	150.8	160.8	173.3	185.8	198.3	210.8	223.3	253.3		14.00	20.00	33.8	39.2	46.9	57.5	69.2
94.0	101.0	108.5	116.0	126.0	133.5	143.5	153.5	163.5	176.0	188.5	201.0	213.5	226.0	256.0		12.50	18.00	27.8	32.3	38.7	47.6	58.4
92.7	99.7	107.2	114.7	124.7	132.2	142.2	152.2	162.2	174.7	187.2	199.7	212.2	224.7	254.7		13.20	19.00	30.6	35.6	42.6	52.3	63.6
85.1	92.1	99.6	107.1	117.1	124.6	134.6	144.6	154.6	167.1	179.6	192.1	204.6	217.2	247.2		17.00	24.80	45.3	52.5	62.6	75.6	†
88.6	95.6	103.1	110.6	120.6	128.1	138.1	148.1	158.1	170.6	183.1	195.6	208.1	220.6	250.6		15.00	22.40	37.7	43.7	52.3	63.8	•75.4
78.6	85.6	93.1	100.6	110.6	118.1	128.2	138.2	148.2	160.7	173.2	185.7	198.2	210.7	240.7		20.00	30.00	56.4	65.2	77.1	91.1	†
91.9	98.9	106.4	113.9	123.9	131.4	141.4	151.4	161.4	173.9	186.4	198.9	211.4	223.9	253.9		13.20	20.00	30.6	35.6	42.6	52.3	63.6
90.3	97.3	104.8	112.3	122.3	129.8	139.8	149.8	159.8	172.3	184.8	197.3	209.8	222.3	252.3		14.00	21.20	33.8	39.2	46.9	57.5	69.2
93.2	100.2	107.7	115.2	125.2	132.7	142.7	152.7	162.7	175.2	187.7	200.2	212.7	225.2	255.3		12.50	19.00	27.8	32.3	38.7	47.6	58.4
85.9	92.9	100.4	107.9	117.9	125.4	135.4	145.4	155.4	167.9	180.4	192.9	205.4	217.9	247.9		16.00	24.80	41.5	48.2	57.5	69.8	†
79.3	86.4	93.9	101.4	111.4	118.9	128.9	138.9	148.9	161.4	173.9	186.5	199.0	211.5	241.5		19.00	30.00	53.0	61.3	72.9	86.8	†
72.3	79.3	86.8	94.3	104.3	111.9	121.9	131.9	141.9	154.4	166.9	179.4	191.9	204.4	234.5		22.40	35.50	65.3	75.1	88.2	•102.1	†
92.4	99.4	106.9	114.4	124.4	131.9	141.9	151.9	161.9	174.4	186.9	199.5	212.0	224.5	254.5		12.50	20.00	28.1	32.6	39.2	48.2	59.4
89.3	96.3	103.8	111.3	121.4	128.9	138.9	148.9	158.9	171.4	183.9	196.4	208.9	221.4	251.4		14.00	22.40	34.1	39.5	47.4	58.1	70.2
90.9	97.9	105.4	112.9	122.9	130.4	140.4	150.4	160.4	172.9	185.5	198.0	210.5	223.0	253.0		13.20	21.20	30.9	35.9	43.1	52.9	64.6
86.6	93.6	101.1	108.6	118.7	126.2	136.2	146.2	156.2	168.7	181.2	193.7	206.2	218.7	248.7		15.00	24.80	38.0	44.0	52.8	64.4	•76.4
80.1	87.1	94.6	102.1	112.2	119.7	129.7	139.7	149.7	162.2	174.7	187.2	199.7	212.2	242.2		18.00	30.00	49.3	57.1	68.1	81.7	†
73.1	80.2	87.7	95.2	105.2	112.8	122.8	132.8	142.8	155.3	167.8	180.3	192.9	205.4	235.4		21.20	35.50	61.0	70.4	83.0	97.1	†
91.4	98.4	106.0	113.5	123.5	131.0	141.0	151.0	161.0	173.5	186.0	198.5	211.0	223.5	253.5		12.50	21.20	28.1	32.6	39.2	48.2	59.4
89.9	96.9	104.5	112.0	122.0	129.5	139.5	149.5	159.5	172.0	184.5	197.0	209.5	222.0	252.0		13.20	22.40	30.9	35.9	43.1	52.9	64.6
80.8	87.9	95.4	102.9	112.9	120.4	130.4	140.5	150.5	163.0	175.5	188.0	200.5	213.0	243.0		17.00	30.00	45.6	52.8	63.1	76.2	†
87.4	94.4	101.9	109.4	119.4	126.9	136.9	146.9	156.9	169.5	182.0	194.5	207.0	219.5	249.5		14.00	24.80	34.1	39.5	47.4	58.1	70.2
74.0	81.1	88.6	96.1	106.1	113.7	123.7	133.7	143.7	156.2	168.8	181.3	193.8	206.3	236.3		20.00	35.50	56.7	65.5	77.6	91.7	†
68.5	75.5	83.0	90.6	100.6	108.2	118.2	128.2	138.2	150.8	163.3	175.8	188.3	200.8	230.8		22.40	40.00	65.3	75.1	88.2	•102.1	†
90.5	97.5	105.0	112.5	122.5	130.0	140.0	150.0	160.0	172.5	185.0	197.5	210.0	222.5	252.6		12.50	22.40	28.1	32.6	39.2	48.2	59.4
74.8	81.8	89.3	96.9	106.9	114.4	124.4	134.5	144.5	157.0	169.5	182.0	194.5	207.1	237.1		19.00	35.50	53.0	61.3	72.9	86.8	†
88.0	95.0	102.5	110.0	120.0	127.5	137.5	147.6	157.6	170.1	182.6	195.1	207.6	220.1	250.1		13.20	24.80	30.9	35.9	43.1	52.9	64.6
81.6	88.6	96.1	103.7	113.7	121.2	131.2	141.2	151.2	163.7	176.3	188.8	201.3	213.8	243.8		16.00	30.00	41.8	48.5	58.0	70.4	†
69.3	76.4	83.9	91.5	101.5	109.1	119.1	129.1	139.1	151.7	164.2	176.7	189.2	201.7	231.8		21.20	40.00	61.0	70.4	83.0	97.1	†
75.5	82.5	90.1	97.6	107.6	115.2	125.2	135.2	145.2	157.8	170.3	182.8	195.3	207.8	237.8		18.00	35.50	49.5	57.4	68.5	82.2	†
88.5	95.5	103.0	110.5	120.6	128.1	138.1	148.1	158.1	170.6	183.1	195.6	208.1	220.6	250.6		12.50	24.80	28.3	32.9	39.6	48.7	60.1
64.5	71.6	79.2	86.8	96.9	104.4	114.5	124.5	134.5	147.1	159.6	172.1	184.7	197.2	227.2		22.40	44.50	65.5	75.4	88.6	•102.6	†
82.3	89.4	96.9	104.4	114.4	121.9	132.0	142.0	152.0	164.5	177.0	189.5	202.0	214.5	244.6		15.00	30.00	38.2	44.3	53.2	64.9	•77.1
70.2	77.3	84.8	92.4	102.4	109.9	120.0	130.0	140.0	152.6	165.1	177.6	190.1	202.7	232.7		20.00	40.00	56.9	65.8	78.0	92.2	†
76.2	83.3	90.8	98.4	108.4	115.9	125.9	136.0	146.0	158.5	171.0	183.6	196.1	208.6	238.6		17.00	35.50	45.8	53.1	63.5	76.7	†
65.4	72.5	80.1	87.7	97.7	105.3	115.3	125.4	135.4	148.0	160.5	173.0	185.6	198.1	228.1		21.20	44.50	61.2	70.7	83.4	97.6	†
70.9	78.0	85.5	93.1	103.2	110.7	120.7	130.8	140.8	153.3	165.9	178.4	190.9	203.4	233.4		19.00	40.00	53.2	61.6	73.3	87.3	†
83.1	90.1	97.6	105.2	115.2	122.7	132.7	142.7	152.8	165.3	177.8	190.3	202.8	215.3	245.3		14.00	30.00	34.3	39.8	47.8	58.6	70.9
77.0	84.0	91.6	99.1	109.1	116.7	126.7	136.7	146.7	159.3	171.8	184.3	196.8	209.3	239.4		16.00	35.50	42.0	48.8	58.4	70.9	†
71.6	78.7	86.3	93.8	103.9	111.4	121.5	131.5	141.5	154.1	166.6	179.1	191.7	204.2	234.2		18.00	40.00	49.5	57.4	68.5	82.2	†
66.2	73.3	80.9	88.5	98.6	106.2	116.2	126.3	136.3	148.9	161.4	173.9	186.5	199.0	229.0		20.00	44.50	56.9	65.8	78.0	92.2	†
83.7	90.7	98.2	105.8	115.8	123.3	133.3	143.3	153.4	165.9	178.4	190.9	203.4	215.9	245.9		13.20	30.00	31.1	36.2	43.5	53.4	65.3

Key to correction factors: 0.9 1.0 1.1

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.

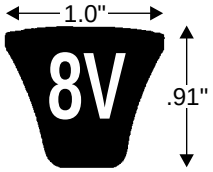


Super HC® V-Belt and Super HC PowerBand® Belt Drives

Table No. 8

DriveN Speed For Motor Speed of					Sheave Outside Diameters			V-Belt No. and Center Distance													
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	8V 1000	8V 1060	8V 1120	8V 1180	8V 1250	8V 1320	8V 1400	8V 1500	8V 1600	8V 1700	8V 1800	8V 1900	8V 2000	8V 2120	8V 2240
244	292	369	492	742	19.00	44.50	2.36											38.0	43.3	48.5	54.7	60.8
243	291	367	489	738	17.00	40.00	2.37									33.3	38.5	43.7	48.9	54.0	60.2	66.3
242	290	366	487	735	22.40	53.00	2.38														44.2	50.5
241	289	364	485	732	15.00	35.50	2.39							28.5	33.8	39.0	44.2	49.3	54.4	59.5	65.6	71.6
238	285	360	479	723	12.50	30.00	2.42				24.0	27.8	31.4	35.6	40.7	45.8	50.9	56.0	61.0	66.1	72.1	78.1
231	277	349	466	703	18.00	44.50	2.49										33.3	38.7	43.9	49.2	55.4	61.5
229	275	347	462	697	21.20	53.00	2.51														44.9	51.3
228	274	345	460	694	16.00	40.00	2.52									33.9	39.2	44.4	49.6	54.7	60.9	67.0
225	270	340	453	684	14.00	35.50	2.56							29.2	34.5	39.7	44.9	50.0	55.1	60.2	66.3	72.3
218	261	330	439	663	17.00	44.50	2.64										33.9	39.3	44.6	49.8	56.0	62.2
215	258	326	434	655	20.00	53.00	2.67													39.2	45.7	52.1
214	257	323	431	651	15.00	40.00	2.69								29.1	34.6	39.9	45.1	50.3	55.4	61.6	67.7
211	254	320	426	643	13.20	35.50	2.72							29.7	35.0	40.2	45.4	50.5	55.7	60.7	66.8	72.9
205	246	311	414	625	16.00	44.50	2.80										34.6	40.0	45.3	50.5	56.7	62.9
205	246	310	413	623	19.00	53.00	2.81													39.9	46.4	52.7
203	244	307	410	618	22.40	63.00	2.83															
200	240	303	404	610	12.50	35.50	2.87						25.8	30.1	35.5	40.7	45.9	51.0	56.1	61.2	67.3	73.4
200	240	302	403	608	14.00	40.00	2.88								29.8	35.2	40.5	45.8	51.0	56.1	62.3	68.4
194	232	293	391	589	18.00	53.00	2.97													40.5	47.0	53.4
192	231	291	388	585	15.00	44.50	2.99										35.2	40.6	45.9	51.2	57.4	63.6
192	231	291	388	585	21.20	63.00	2.99															
188	225	284	379	572	13.20	40.00	3.06								30.3	35.7	41.1	46.3	51.5	56.7	62.8	68.9
183	220	277	369	557	17.00	53.00	3.14													41.1	47.7	54.1
181	218	274	366	552	20.00	63.00	3.17															
180	216	273	364	549	22.40	71.00	3.19															
179	215	271	361	545	14.00	44.50	3.21										35.8	41.3	46.6	51.8	58.1	64.3
177	213	269	358	540	12.50	40.00	3.24								30.7	36.2	41.5	46.8	52.0	57.1	63.3	69.4
172	207	260	347	524	16.00	53.00	3.34													41.7	48.3	54.7
172	207	260	347	524	19.00	63.00	3.34															
171	205	258	344	519	21.20	71.00	3.37															
169	202	255	340	513	13.20	44.50	3.41									30.7	36.3	41.8	47.1	52.4	58.6	64.8
163	195	246	329	496	18.00	63.00	3.53															42.5
161	193	244	325	490	15.00	53.00	3.57												36.7	42.4	48.9	55.4
161	193	243	324	489	20.00	71.00	3.58															
160	192	242	322	486	12.50	44.50	3.60									31.1	36.8	42.2	47.6	52.8	59.1	65.3
154	184	233	310	468	17.00	63.00	3.74															43.1
153	183	231	308	464	19.00	71.00	3.77															
150	180	227	303	457	14.00	53.00	3.83												37.3	43.0	49.6	56.0
145	174	219	292	441	16.00	63.00	3.97															43.7
144	173	219	291	440	18.00	71.00	3.98															
142	170	214	286	431	13.20	53.00	4.06												37.8	43.5	50.1	56.5
137	164	207	276	416	17.00	71.00	4.21															
136	163	205	274	413	15.00	63.00	4.24															44.3
134	161	203	270	408	12.50	53.00	4.29												38.2	43.9	50.5	57.0
128	154	194	259	391	16.00	71.00	4.48															
126	152	191	255	385	14.00	63.00	4.55															44.9
120	144	182	243	366	15.00	71.00	4.78															
119	143	180	240	362	13.20	63.00	4.83															45.3
113	135	170	227	342	12.50	63.00	5.11															45.8
112	135	170	226	341	14.00	71.00	5.13															
106	127	160	213	321	13.20	71.00	5.45															
100	120	151	201	304	12.50	71.00	5.76															

Key to correction factors: 0.8 0.9 1.0



V-Belt No. and Center Distance																Sheave Outside Diameters		Rated HP per Belt (Including Allowance for Speed Ratio) RPM of Small Sheave				
8V 2360	8V 2500	8V 2650	8V 2800	8V 3000	8V 3150	8V 3350	8V 3550	8V 3750	8V 4000	8V 4250	8V 4500	8V 4750	8V 5000	8V 5600		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
66.9	74.1	81.7	89.2	99.3	106.9	117.0	127.0	137.1	149.6	162.2	174.7	187.2	199.7	229.8		19.00	44.50	53.2	61.6	73.3	87.3	†
72.3	79.4	87.0	94.6	104.6	112.2	122.2	132.3	142.3	154.8	167.4	179.9	192.4	204.9	235.0		17.00	40.00	45.8	53.1	63.5	76.7	†
56.7	64.0	71.7	79.3	89.5	97.1	107.2	117.3	127.4	140.0	152.5	165.1	177.7	190.2	220.3		22.40	53.00	65.5	75.4	88.6	•102.6	†
77.7	84.7	92.3	99.8	109.9	117.4	127.4	137.5	147.5	160.0	172.6	185.1	197.6	210.1	240.1		15.00	35.50	38.2	44.3	53.2	64.9	•77.1
84.2	91.2	98.7	106.3	116.3	123.8	133.9	143.9	153.9	166.4	178.9	191.4	203.9	216.5	246.5		12.50	30.00	28.3	32.9	39.6	48.7	60.1
67.6	74.8	82.4	90.0	100.1	107.6	117.7	127.8	137.8	150.4	162.9	175.4	188.0	200.5	230.6		18.00	44.50	49.5	57.4	68.5	82.2	†
57.6	64.8	72.5	80.2	90.4	98.0	108.1	118.2	128.3	140.9	153.4	166.0	178.5	191.1	221.2		21.20	53.00	61.2	70.7	83.4	97.6	†
73.1	80.1	87.7	95.3	105.4	112.9	123.0	133.0	143.0	155.6	168.1	180.6	193.2	205.7	235.7		16.00	40.00	42.0	48.8	58.4	70.9	†
78.4	85.5	93.0	100.6	110.6	118.2	128.2	138.2	148.3	160.8	173.3	185.8	198.4	210.9	240.9		14.00	35.50	34.3	39.8	47.8	58.6	70.9
68.3	75.5	83.1	90.7	100.8	108.4	118.4	128.5	138.5	151.1	163.6	176.2	188.7	201.3	231.3		17.00	44.50	45.8	53.1	63.5	76.7	†
58.4	65.6	73.3	81.0	91.2	98.8	108.9	119.1	129.1	141.7	154.3	166.9	179.4	192.0	222.1		20.00	53.00	56.9	65.8	78.0	92.2	†
73.8	80.9	88.4	96.0	106.1	113.6	123.7	133.7	143.8	156.3	168.9	181.4	193.9	206.4	236.5		15.00	40.00	38.2	44.3	53.2	64.9	•77.1
79.0	86.0	93.6	101.2	111.2	118.7	128.8	138.8	148.9	161.4	173.9	186.4	199.0	211.5	241.5		13.20	35.50	31.1	36.2	43.5	53.4	65.3
69.0	76.2	83.8	91.4	101.5	109.1	119.2	129.2	139.3	151.8	164.4	176.9	189.5	202.0	232.1		16.00	44.50	42.0	48.8	58.4	70.9	†
59.0	66.3	74.0	81.7	91.9	99.5	109.7	119.8	129.9	142.5	155.0	167.6	180.2	192.7	222.8		19.00	53.00	53.2	61.6	73.3	87.3	†
46.5	54.2	62.1	70.0	80.4	88.1	98.4	108.6	118.7	131.4	144.0	156.6	169.2	181.8	212.0		22.40	63.00	65.5	75.4	88.6	•102.6	†
79.5	86.6	94.1	101.7	111.7	119.3	129.3	139.3	149.4	161.9	174.4	187.0	199.5	212.0	242.0		12.50	35.50	28.3	32.9	39.6	48.7	60.1
74.5	81.6	89.2	96.7	106.8	114.4	124.4	134.5	144.5	157.1	169.6	182.1	194.7	207.2	237.3		14.00	40.00	34.3	39.8	47.8	58.6	70.9
59.7	67.0	74.7	82.4	92.6	100.2	110.4	120.5	130.6	143.2	155.8	168.4	180.9	193.5	223.6		18.00	53.00	49.5	57.4	68.5	82.2	†
69.7	76.9	84.5	92.1	102.2	109.8	119.9	130.0	140.0	152.6	165.1	177.7	190.2	202.8	232.8		15.00	44.50	38.2	44.3	53.2	64.9	•77.1
47.3	54.9	62.9	70.8	81.2	88.9	99.2	109.4	119.6	132.3	144.9	157.5	170.1	182.7	212.9		21.20	63.00	61.2	70.7	83.4	97.6	†
75.0	82.1	89.7	97.3	107.4	115.0	125.0	135.1	145.1	157.7	170.2	182.7	195.3	207.8	237.9		13.20	40.00	31.1	36.2	43.5	53.4	65.3
60.4	67.7	75.4	83.1	93.3	100.9	111.1	121.2	131.3	143.9	156.5	169.1	181.7	194.2	224.3		17.00	53.00	45.8	53.1	63.5	76.7	†
48.0	55.7	63.7	71.6	82.0	89.8	100.0	110.2	120.4	133.1	145.8	158.4	171.0	183.6	213.8		20.00	63.00	56.9	65.8	78.0	92.2	†
		53.7	61.9	72.6	80.5	90.9	101.3	111.5	124.3	137.0	149.7	162.4	175.0	205.2		22.40	71.00	65.5	75.4	88.6	•102.6	†
70.4	77.6	85.2	92.8	102.9	110.5	120.6	130.7	140.8	153.3	165.9	178.4	191.0	203.5	233.6		14.00	44.50	34.3	39.8	47.8	58.6	70.9
75.5	82.6	90.2	97.8	107.9	115.5	125.5	135.6	145.6	158.2	170.7	183.3	195.8	208.3	238.4		12.50	40.00	28.3	32.9	39.6	48.7	60.1
61.0	68.3	76.1	83.8	94.0	101.7	111.8	121.9	132.0	144.7	157.2	169.8	182.4	195.0	225.1		16.00	53.00	42.0	48.8	58.4	70.9	†
48.7	56.3	64.4	72.3	82.7	90.5	100.7	110.9	121.1	133.8	146.5	159.1	171.7	184.3	214.5		19.00	63.00	53.2	61.6	73.3	87.3	†
		54.4	62.7	73.4	81.3	91.7	102.1	112.4	125.1	137.9	150.6	163.2	175.9	206.1		21.20	71.00	61.2	70.7	83.4	97.6	†
71.0	78.1	85.8	93.4	103.5	111.1	121.2	131.3	141.3	153.9	166.5	179.0	191.6	204.1	234.2		13.20	44.50	31.3	36.5	43.8	53.8	65.9
49.3	57.0	65.0	72.9	83.4	91.1	101.4	111.6	121.8	134.5	147.2	159.8	172.4	185.0	215.2		18.00	63.00	49.7	57.7	68.8	82.6	†
61.7	69.0	76.8	84.5	94.7	102.4	112.5	122.6	132.8	145.4	158.0	170.6	183.1	195.7	225.8		15.00	53.00	38.4	44.6	53.5	65.3	•77.7
		55.2	63.4	74.2	82.1	92.6	102.9	113.2	126.0	138.7	151.4	164.1	176.7	207.0		20.00	71.00	57.1	66.1	78.3	92.6	†
71.5	78.6	86.3	93.9	104.0	111.6	121.7	131.8	141.9	154.4	167.0	179.5	192.1	204.6	234.7		12.50	44.50	28.5	33.2	39.9	49.1	60.7
49.9	57.6	65.7	73.6	84.1	91.8	102.1	112.3	122.5	135.2	147.9	160.6	173.2	185.8	216.0		17.00	63.00	46.0	53.4	63.8	77.1	†
	47.2	55.8	64.1	74.8	82.8	93.2	103.6	113.9	126.7	139.4	152.1	164.8	177.4	207.7		19.00	71.00	53.4	61.9	73.6	87.7	†
62.4	69.7	77.5	85.2	95.4	103.1	113.2	123.4	133.5	146.1	158.7	171.3	183.9	196.4	226.6		14.00	53.00	34.5	40.1	48.1	59.0	71.5
50.5	58.2	66.3	74.3	84.7	92.5	102.8	113.0	123.2	136.0	148.6	161.3	173.9	186.5	216.7		16.00	63.00	42.2	49.1	58.7	71.3	†
	47.8	56.4	64.7	75.5	83.4	93.9	104.3	114.6	127.4	140.1	152.8	165.5	178.2	208.5		18.00	71.00	49.7	57.7	68.8	82.6	†
62.9	70.2	78.0	85.7	96.0	103.6	113.8	123.9	134.1	146.7	159.3	171.9	184.5	197.0	227.2		13.20	53.00	31.3	36.5	43.8	53.8	65.9
	48.4	57.0	65.3	76.1	84.1	94.6	104.9	115.3	128.1	140.8	153.5	166.2	178.9	209.2		17.00	71.00	46.0	53.4	63.8	77.1	†
51.1	58.9	67.0	74.9	85.4	93.2	103.5	113.7	123.9	136.7	149.3	162.0	174.6	187.2	217.4		15.00	63.00	38.4	44.6	53.5	65.3	•77.7
63.3	70.7	78.5	86.2	96.5	104.1	114.3	124.4	134.6	147.2	159.8	172.4	185.0	197.5	227.7		12.50	53.00	28.5	33.2	39.9	49.1	60.7
	49.0	57.6	66.0	76.8	84.7	95.2	105.6	115.9	128.8	141.5	154.3	166.9	179.6	209.9		16.00	71.00	42.2	49.1	58.7	71.3	†
51.8	59.5	67.6	75.6	86.1	93.9	104.2	114.4	124.6	137.4	150.1	162.7	175.3	188.0	218.2		14.00	63.00	34.5	40.1	48.1	59.0	71.5
	49.6	58.3	66.6	77.4	85.4	95.9	106.3	116.6	129.5	142.2	155.0	167.7	180.3	210.6		15.00	71.00	38.4	44.6	53.5	65.3	•77.7
52.2	60.0	68.1	76.1	86.6	94.4	104.7	115.0	125.2	137.9	150.6	163.3	175.9	188.5	218.8		13.20	63.00	31.3	36.5	43.8	53.8	65.9
52.7	60.5	68.6	76.6	87.1	94.9	105.2	115.5	125.7	138.4	151.1	163.8	176.4	189.0	219.3		12.50	63.00	28.5	33.2	39.9	49.1	60.7
	50.2	58.9	67.2	78.1	86.1	96.6	107.0	117.3	130.2	142.9	155.7	168.4	181.0	211.4		14.00	71.00	34.5	40.1	48.1	59.0	71.5
	50.7	59.4	67.7	78.6	86.6	97.1	107.5	117.9	130.7	143.5	156.2	168.9	181.6	211.9		13.20	71.00	31.3	36.5	43.8	53.8	65.9
	51.1	59.8	68.2	79.0	87.0	97.6	108.0	118.3	131.2	144.0	156.7	169.4	182.1	212.4		12.50	71.00	28.5	33.2	39.9	49.1	60.7

Key to correction factors: 0.8 0.9 1.0 1.1

• Rim speed higher than 6,500 but less than 7,000 feet per minute. See Page 218.
† Rim speed higher than 7,000 feet per minute. See Page 218.

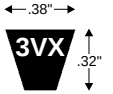


Table No. 9 Rated Horsepower per Belt For 3VX Super HC® Molded Notch V-Belts and Super HC Molded Notch PowerBand® Belts

RPM of Faster Shaft	Basic Horsepower per Belt for 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	5.60	6.00	6.50	6.90	8.00	10.6
575	0.55	0.64	0.73	0.83	0.92	1.04	1.13	1.25	1.43	1.72	1.94	2.09	2.24	2.41	2.59	2.82	3.11	3.34	3.97	5.42
690	0.64	0.75	0.86	0.97	1.08	1.22	1.33	1.48	1.69	2.02	2.29	2.47	2.64	2.85	3.06	3.33	3.67	3.95	4.69	6.39
725	0.66	0.78	0.90	1.01	1.13	1.28	1.39	1.54	1.77	2.12	2.40	2.58	2.76	2.98	3.20	3.49	3.84	4.13	4.90	6.69
870	0.77	0.91	1.05	1.18	1.32	1.50	1.63	1.81	2.08	2.49	2.82	3.04	3.26	3.51	3.77	4.11	4.53	4.87	5.78	7.87
950	0.83	0.98	1.13	1.28	1.42	1.62	1.77	1.96	2.25	2.70	3.06	3.29	3.52	3.80	4.08	4.45	4.91	5.27	6.25	8.51
1160	0.98	1.16	1.34	1.52	1.69	1.93	2.10	2.34	2.68	3.22	3.65	3.93	4.21	4.55	4.88	5.32	5.87	6.30	7.47	10.1
1425	1.16	1.38	1.59	1.81	2.02	2.31	2.52	2.80	3.22	3.86	4.38	4.72	5.06	5.46	5.86	6.38	7.03	7.55	8.94	12.1
1750	1.37	1.63	1.89	2.15	2.41	2.75	3.01	3.34	3.85	4.63	5.25	5.65	6.06	6.53	7.01	7.63	8.40	9.01	10.6	14.2
2850	2.00	2.41	2.81	3.21	3.61	4.14	4.53	5.05	5.82	6.99	7.92	8.53	9.12	9.82	10.5	11.4	12.5	13.3	15.5	
3450	2.30	2.78	3.26	3.74	4.21	4.82	5.28	5.89	6.78	8.15	9.21	9.90	10.6	11.4	12.1	13.1	14.3	15.2		
200	0.22	0.26	0.29	0.33	0.36	0.41	0.44	0.48	0.55	0.66	0.74	0.80	0.85	0.92	0.98	1.07	1.18	1.27	1.50	2.05
400	0.40	0.47	0.54	0.60	0.67	0.75	0.82	0.91	1.03	1.24	1.40	1.50	1.61	1.73	1.86	2.03	2.23	2.40	2.85	3.89
600	0.57	0.66	0.76	0.86	0.95	1.08	1.18	1.30	1.49	1.78	2.02	2.17	2.33	2.51	2.69	2.93	3.23	3.47	4.13	5.63
800	0.72	0.85	0.98	1.10	1.23	1.39	1.52	1.68	1.93	2.31	2.62	2.82	3.02	3.26	3.50	3.81	4.20	4.51	5.36	7.30
1000	0.87	1.02	1.18	1.34	1.49	1.69	1.85	2.05	2.35	2.82	3.20	3.45	3.69	3.98	4.27	4.66	5.14	5.52	6.55	8.90
1200	1.01	1.19	1.38	1.56	1.74	1.99	2.17	2.41	2.76	3.32	3.76	4.05	4.34	4.69	5.03	5.48	6.04	6.49	7.69	10.4
1400	1.14	1.36	1.57	1.78	1.99	2.27	2.48	2.75	3.17	3.80	4.32	4.65	4.98	5.37	5.77	6.29	6.93	7.43	8.80	11.9
1600	1.27	1.52	1.76	1.99	2.23	2.55	2.78	3.09	3.56	4.28	4.85	5.23	5.60	6.04	6.48	7.06	7.78	8.35	9.87	13.2
1800	1.40	1.67	1.94	2.20	2.47	2.82	3.08	3.43	3.94	4.74	5.38	5.79	6.21	6.70	7.18	7.82	8.61	9.23	10.9	14.5
2000	1.52	1.82	2.11	2.40	2.70	3.08	3.37	3.75	4.32	5.19	5.89	6.34	6.79	7.33	7.86	8.55	9.41	10.1	11.9	15.7
2200	1.64	1.96	2.28	2.60	2.92	3.34	3.65	4.07	4.68	5.63	6.39	6.88	7.37	7.94	8.51	9.26	10.2	10.9	12.8	16.8
2400	1.75	2.10	2.45	2.80	3.14	3.59	3.93	4.38	5.04	6.06	6.88	7.40	7.92	8.54	9.15	9.95	10.9	11.7	13.7	17.8
2600	1.87	2.24	2.61	2.98	3.35	3.84	4.20	4.68	5.39	6.48	7.35	7.91	8.47	9.12	9.77	10.6	11.6	12.4	14.5	
2800	1.97	2.37	2.77	3.17	3.56	4.08	4.47	4.98	5.73	6.89	7.81	8.40	8.99	9.68	10.4	11.2	12.3	13.1	15.3	
3000	2.08	2.50	2.93	3.35	3.76	4.31	4.72	5.26	6.06	7.29	8.26	8.88	9.50	10.2	10.9	11.8	13.0	13.8	16.0	
3200	2.18	2.63	3.08	3.52	3.96	4.54	4.98	5.55	6.39	7.68	8.69	9.34	9.99	10.7	11.5	12.4	13.6	14.4	16.6	
3400	2.28	2.75	3.23	3.69	4.16	4.77	5.22	5.82	6.71	8.05	9.11	9.79	10.5	11.2	12.0	13.0	14.1	15.0		
3600	2.37	2.87	3.37	3.86	4.35	4.99	5.46	6.09	7.01	8.42	9.52	10.2	10.9	11.7	12.5	13.5	14.7	15.6		
3800	2.47	2.99	3.51	4.02	4.53	5.20	5.70	6.35	7.31	8.77	9.91	10.6	11.3	12.2	13.0	14.0	15.2	16.1		
4000	2.56	3.10	3.65	4.18	4.71	5.41	5.92	6.60	7.60	9.11	10.3	11.0	11.8	12.6	13.4	14.4	15.6			
4200	2.64	3.21	3.78	4.33	4.89	5.61	6.15	6.85	7.88	9.44	10.6	11.4	12.1	13.0	13.8	14.8				
4400	2.73	3.32	3.91	4.48	5.06	5.81	6.36	7.09	8.15	9.75	11.0	11.8	12.5	13.4	14.2	15.2				
4600	2.81	3.42	4.03	4.63	5.22	6.00	6.57	7.32	8.41	10.1	11.3	12.1	12.9	13.7	14.5					
4800	2.89	3.52	4.15	4.77	5.38	6.18	6.77	7.54	8.66	10.3	11.6	12.4	13.2	14.0						
5000	2.96	3.62	4.27	4.91	5.53	6.36	6.96	7.75	8.90	10.6	11.9	12.7	13.5	14.3						
5200	3.03	3.71	4.38	5.04	5.68	6.53	7.15	7.96	9.13	10.9	12.2	13.0	13.7							
5400	3.10	3.80	4.49	5.16	5.83	6.69	7.33	8.15	9.35	11.1	12.4	13.2								
5600	3.17	3.89	4.59	5.28	5.96	6.85	7.50	8.34	9.56	11.3	12.7	13.5								
5800	3.23	3.97	4.69	5.40	6.10	7.00	7.66	8.52	9.76	11.6	12.9									
6000	3.29	4.05	4.79	5.51	6.22	7.15	7.82	8.69	9.94	11.7										
6200	3.35	4.12	4.88	5.62	6.34	7.28	7.97	8.85	10.1	11.9										
6400	3.40	4.19	4.96	5.72	6.46	7.41	8.11	9.00	10.3	12.1										
6600	3.45	4.26	5.05	5.82	6.57	7.54	8.24	9.14	10.4											

Drives for rpm-diameter combinations where no horsepower is shown may be practical if all conditions are known. See your local Gates representative

RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	1.00 to 1.01	1.02 to 1.03	1.04 to 1.06	1.07 to 1.09	1.10 to 1.13	1.14 to 1.18	1.19 to 1.25	1.26 to 1.35	1.36 to 1.57	1.58 and over
575	0.00	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.08
690	0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.10
725	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.08	0.09	0.10
870	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.10	0.11	0.12
950	0.00	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13
1160	0.00	0.02	0.04	0.05	0.07	0.09	0.11	0.13	0.15	0.16
1425	0.00	0.02	0.04	0.07	0.09	0.11	0.13	0.16	0.18	0.20
1750	0.00	0.03	0.06	0.08	0.11	0.14	0.17	0.19	0.22	0.25
2850	0.00	0.04	0.09	0.13	0.18	0.22	0.27	0.31	0.36	0.40
3450	0.00	0.05	0.11	0.16	0.22	0.27	0.33	0.38	0.43	0.49
200	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03
400	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.06
600	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.08
800	0.00	0.01	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.11
1000	0.00	0.02	0.03	0.05	0.06	0.08	0.09	0.11	0.13	0.14
1200	0.00	0.02	0.04	0.06	0.08	0.09	0.11	0.13	0.15	0.17
1400	0.00	0.02	0.04	0.07	0.09	0.11	0.13	0.15	0.18	0.20
1600	0.00	0.03	0.05	0.08	0.10	0.13	0.15	0.18	0.20	0.23
1800	0.00	0.03	0.06	0.08	0.11	0.14	0.17	0.20	0.23	0.25
2000	0.00	0.03	0.06	0.09	0.13	0.16	0.19	0.22	0.25	0.28
2200	0.00	0.03	0.07	0.10	0.14	0.17	0.21	0.24	0.28	0.31
2400	0.00	0.04	0.08	0.11	0.15	0.19	0.23	0.26	0.30	0.34
2600	0.00	0.04	0.08	0.12	0.16	0.20	0.25	0.29	0.33	0.37
2800	0.00	0.04	0.09	0.13	0.18	0.22	0.26	0.31	0.35	0.40
3000	0.00	0.05	0.09	0.14	0.19	0.24	0.28	0.33	0.38	0.42
3200	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
3400	0.00	0.05	0.11	0.16	0.21	0.27	0.32	0.37	0.43	0.48
3600	0.00	0.06	0.11	0.17	0.23	0.28	0.34	0.40	0.45	0.51
3800	0.00	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
4000	0.00	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.50	0.57
4200	0.00	0.07	0.13	0.20	0.26	0.33	0.40	0.46	0.53	0.59
4400	0.00	0.07	0.14	0.21	0.28	0.35	0.42	0.48	0.55	0.62
4600	0.00	0.07	0.14	0.22	0.29	0.36	0.43	0.51	0.58	0.65
4800	0.00	0.08	0.15	0.23	0.30	0.38	0.45	0.53	0.60	0.68
5000	0.00	0.08	0.16	0.24	0.31	0.39	0.47	0.55	0.63	0.71
5200	0.00	0.08	0.16	0.25	0.33	0.41	0.49	0.57	0.65	0.74
5400	0.00	0.09	0.17	0.25	0.34	0.42	0.51	0.59	0.68	0.76
5600	0.00	0.09	0.18	0.26	0.35	0.44	0.53	0.62	0.71	0.79
5800	0.00	0.09	0.18	0.27	0.36	0.46	0.55	0.64	0.73	0.82
6000	0.00	0.09	0.19	0.28	0.38	0.47	0.57	0.66	0.76	0.85
6200	0.00	0.10	0.20	0.29	0.39	0.49	0.59	0.68	0.78	0.88
6400	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.81	0.91
6600	0.00	0.10	0.21	0.31	0.42	0.52	0.62	0.73	0.83	0.93

Rim speed above 6,500 feet per minute. See your local Gates representative.

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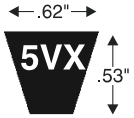

Table No. 10 Rated Horsepower per Belt

For 5VX Super HC® Molded Notch V-Belts and Super HC Molded Notch PowerBand® Belts

RPM of Faster Shaft	Basic Horsepower per Belt for Small Sheave Outside Diameter																									RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	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	10.3	10.9	11.3	11.8	12.5	13.2	14.0	15.0	16.0		1.00 to 1.01	1.02 to 1.03	1.04 to 1.06	1.07 to 1.09	1.10 to 1.13	1.14 to 1.18	1.19 to 1.25	1.26 to 1.35	1.36 to 1.57	1.58 and over
435	2.57	2.90	3.22	3.61	3.99	4.51	5.01	5.52	6.03	6.53	7.16	7.78	8.40	8.71	9.32	10.0	10.7	11.2	11.8	12.7	13.5	14.5	15.6	16.8	435	0.00	0.03	0.07	0.10	0.14	0.17	0.21	0.24	0.28	0.31
485	2.82	3.18	3.54	3.97	4.40	4.96	5.53	6.09	6.65	7.20	7.90	8.58	9.27	9.61	10.3	11.0	11.8	12.4	13.1	14.0	14.9	16.0	17.3	18.6	485	0.00	0.04	0.08	0.12	0.16	0.19	0.23	0.27	0.31	0.35
575	3.27	3.69	4.11	4.61	5.11	5.77	6.43	7.09	7.74	8.40	9.21	10.0	10.8	11.2	12.0	12.9	13.8	14.4	15.2	16.3	17.4	18.6	20.1	21.6	575	0.00	0.05	0.09	0.14	0.18	0.23	0.28	0.32	0.37	0.41
690	3.82	4.32	4.81	5.41	6.00	6.78	7.57	8.34	9.12	9.88	10.8	11.8	12.7	13.2	14.1	15.2	16.3	17.0	17.9	19.2	20.5	21.9	23.7	25.4	690	0.00	0.06	0.11	0.17	0.22	0.28	0.33	0.39	0.44	0.50
725	3.98	4.50	5.02	5.65	6.27	7.09	7.90	8.72	9.53	10.3	11.3	12.3	13.3	13.8	14.8	15.9	17.0	17.8	18.7	20.1	21.4	22.9	24.7	26.6	725	0.00	0.06	0.12	0.17	0.23	0.29	0.35	0.41	0.46	0.52
870	4.64	5.26	5.88	6.61	7.35	8.32	9.28	10.2	11.2	12.1	13.3	14.5	15.7	16.2	17.4	18.6	20.0	20.9	22.0	23.6	25.1	26.9	29.0	31.1	870	0.00	0.07	0.14	0.21	0.28	0.35	0.42	0.49	0.56	0.63
950	5.00	5.67	6.34	7.13	7.93	8.98	10.0	11.1	12.1	13.1	14.4	15.7	16.9	17.5	18.8	20.1	21.6	22.6	23.8	25.5	27.1	29.0	31.3	33.5	950	0.00	0.08	0.15	0.23	0.30	0.38	0.46	0.53	0.61	0.68
1160	5.90	6.71	7.51	8.46	9.42	10.7	11.9	13.2	14.4	15.6	17.1	18.7	20.1	20.9	22.4	24.0	25.7	26.8	28.2	30.2	32.1	34.3	36.9	39.5	1160	0.00	0.09	0.19	0.28	0.37	0.46	0.56	0.65	0.74	0.84
1425	6.98	7.95	8.92	10.1	11.2	12.7	14.2	15.7	17.2	18.6	20.5	22.2	24.0	24.9	26.6	28.5	30.5	31.8	33.5	35.7	37.9	40.4	43.4	46.2	1425	0.00	0.11	0.23	0.34	0.46	0.57	0.68	0.80	0.91	1.03
1750	8.23	9.40	10.6	11.9	13.3	15.1	16.9	18.7	20.4	22.1	24.3	26.4	28.4	29.4	31.4	33.6	35.9	37.4	39.3	41.8	44.2	46.9	50.1		1750	0.00	0.14	0.28	0.42	0.56	0.70	0.84	0.98	1.12	1.26
2850	11.9	13.6	15.4	17.4	19.4	22.1	24.6	27.2	29.6	32.0	34.9	37.6	40.2	41.5											2850	0.00	0.23	0.46	0.68	0.91	1.14	1.37	1.60	1.83	2.05
3450	13.4	15.5	17.5	19.8	22.1	25.1	27.9	30.7	33.3	35.9															3450	0.00	0.28	0.55	0.83	1.10	1.38	1.66	1.93	2.21	2.48
100	0.71	0.79	0.87	0.97	1.07	1.20	1.33	1.45	1.58	1.71	1.87	2.02	2.18	2.26	2.42	2.59	2.77	2.90	3.05	3.27	3.48	3.73	4.03	4.33	100	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.07
200	1.31	1.47	1.62	1.81	2.00	2.24	2.49	2.73	2.98	3.22	3.53	3.83	4.13	4.28	4.58	4.91	5.26	5.50	5.80	6.21	6.62	7.09	7.67	8.25	200	0.00	0.02	0.03	0.05	0.06	0.08	0.10	0.11	0.13	0.14
300	1.86	2.09	2.32	2.60	2.87	3.23	3.59	3.95	4.31	4.66	5.11	5.55	5.99	6.21	6.64	7.12	7.64	7.99	8.42	9.02	9.62	10.3	11.1	12.0	300	0.00	0.02	0.05	0.07	0.10	0.12	0.14	0.17	0.19	0.22
400	2.39	2.69	2.99	3.35	3.71	4.18	4.65	5.12	5.59	6.05	6.63	7.21	7.78	8.07	8.64	9.26	9.94	10.4	11.0	11.7	12.5	13.4	14.5	15.6	400	0.00	0.03	0.06	0.10	0.13	0.16	0.19	0.22	0.26	0.29
500	2.90	3.27	3.64	4.08	4.52	5.10	5.68	6.26	6.83	7.40	8.12	8.82	9.53	9.88	10.6	11.3	12.2	12.7	13.4	14.4	15.3	16.4	17.8	19.1	500	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
600	3.39	3.83	4.26	4.79	5.31	6.00	6.68	7.37	8.05	8.72	9.56	10.4	11.2	11.6	12.5	13.4	14.4	15.0	15.8	17.0	18.1	19.3	20.9	22.5	600	0.00	0.05	0.10	0.14	0.19	0.24	0.29	0.34	0.38	0.43
700	3.86	4.37	4.87	5.48	6.08	6.87	7.66	8.45	9.23	10.0	11.0	11.9	12.9	13.4	14.3	15.4	16.5	17.2	18.2	19.5	20.7	22.2	24.0	25.8	700	0.00	0.06	0.11	0.17	0.22	0.28	0.34	0.39	0.45	0.50
800	4.33	4.90	5.47	6.15	6.83	7.73	8.62	9.51	10.4	11.3	12.4	13.5	14.5	15.1	16.1	17.3	18.6	19.4	20.5	21.9	23.3	25.0	27.0	29.0	800	0.00	0.06	0.13	0.19	0.26	0.32	0.38	0.45	0.51	0.58
900	4.78	5.41	6.05	6.81	7.57	8.57	9.56	10.6	11.5	12.5	13.7	14.9	16.1	16.7	17.9	19.2	20.6	21.5	22.7	24.3	25.9	27.7	29.9	32.0	900	0.00	0.07	0.14	0.22	0.29	0.36	0.43	0.50	0.58	0.65
1000	5.22	5.92	6.62	7.46	8.29	9.39	10.5	11.6	12.7	13.7	15.1	16.4	17.7	18.4	19.7	21.1	22.6	23.6	24.9	26.6	28.3	30.3	32.7	35.0	1000	0.00	0.08	0.16	0.24	0.32	0.40	0.48	0.56	0.64	0.72
1100	5.65	6.41	7.18	8.09	9.00	10.2	11.4	12.6	13.8	14.9	16.4	17.8	19.2	19.9	21.4	22.9	24.5	25.6	27.0	28.9	30.7	32.8	35.4	37.9	1100	0.00	0.09	0.18	0.26	0.35	0.44	0.53	0.62	0.70	0.79
1200	6.07	6.90	7.72	8.71	9.69	11.0	12.3	13.6	14.8	16.1	17.7	19.2	20.7	21.5	23.0	24.7	26.4	27.6	29.1	31.1	33.0	35.2	37.9	40.6	1200	0.00	0.10	0.19	0.29	0.38	0.48	0.58	0.67	0.77	0.86
1300	6.48	7.37	8.26	9.32	10.4	11.8	13.2	14.5	15.9	17.2	18.9	20.6	22.2	23.0	24.6	26.4	28.3	29.5	31.1	33.2	35.3	37.6	40.4	43.2	1300	0.00	0.10	0.21	0.31	0.42	0.52	0.62	0.73	0.83	0.94
1400	6.88	7.84	8.79	9.92	11.0	12.5	14.0	15.5	16.9	18.4	20.2	21.9	23.7	24.5	26.2	28.1	30.1	31.4	33.0	35.2	37.4	39.8	42.8	45.6	1400	0.00	0.11	0.22	0.34	0.45	0.56	0.67	0.78	0.90	1.01
1500	7.28	8.29	9.30	10.5	11.7	13.3	14.9	16.4	17.9	19.5	21.4	23.2	25.1	26.0	27.8	29.7	31.8	33.2	34.9	37.2	39.5	42.0	45.0	47.9	1500	0.00	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.96	1.08
1600	7.66	8.74	9.81	11.1	12.4	14.0	15.7	17.3	18.9	20.6	22.5	24.5	26.4	27.4	29.3	31.3	33.5	34.9	36.7	39.1	41.4	44.0	47.1	50.1	1600	0.00	0.13	0.26	0.38	0.51	0.64	0.77	0.90	1.02	1.15
1700	8.04	9.18	10.3	11.7	13.0	14.8	16.5	18.2	19.9	21.6	23.7	25.7	27.8	28.8	30.7	32.8	35.1	36.6	38.4	40.9	43.3	46.0	49.1		1700	0.00	0.14	0.27	0.41	0.54	0.68	0.82	0.95	1.09	1.22
1800	8.42	9.61	10.8	12.2	13.6	15.5	17.3	19.1	20.9	22.6	24.8	27.0	29.1	30.1	32.1	34.3	36.7	38.2	40.1	42.6	45.1	47.8			1800	0.00	0.14	0.29	0.43	0.58	0.72	0.86	1.01	1.15	1.30
1900	8.78	10.0	11.3	12.8	14.2	16.2	18.1	20.0	21.8	23.7	25.9	28.1	30.3	31.4	33.5	35.8	38.2	39.8	41.7	44.3	46.8	49.5			1900	0.00	0.15	0.30	0.46	0.61	0.76	0.91	1.06	1.22	1.37
2000	9.14	10.4	11.7	13.3	14.8	16.8	18.8	20.8	22.7	24.6	27.0	29.3	31.5	32.7	34.8	37.2	39.6	41.2	43.2	45.8	48.3				2000	0.00	0.16	0.32	0.48	0.64	0.80	0.96	1.12	1.28	1.44
2200	9.83	11.2	12.7	14.3	16.0	18.2	20.3	22.4	24.5	26.5	29.0	31.5	33.9	35.0	37.3	39.8	42.3	44.0	46.0						2200	0.00	0.18	0.35	0.53	0.70	0.88	1.06	1.23	1.41	1.58
2400	10.5	12.0	13.5	15.3	17.1	19.4	21.7	24.0	26.2	28.3	31.0	33.5	36.0	37.2	39.6	42.1	44.7								2400	0.00	0.19	0.38	0.58	0.77	0.96	1.15	1.34	1.54	1.73
2600	11.1	12.7	14.4	16.3	18.2	20.6	23.1	25.4	27.8	30.0	32.8	35.5	38.0	39.3	41.7										2600	0.00	0.21	0.42	0.62	0.83	1.04	1.25	1.46	1.67	1.87
2800	11.7	13.4	15.2	17.2	19.2	21.8	24.3	26.8	29.2	31.6	34.5	37.2	39.8	41.1											2800	0.00	0.22	0.45	0.67	0.90	1.12	1.35	1.57	1.79	2.02
3000	12.3	14.1	15.9	18.0	20.1	22.9	25.5	28.1	30.6	33.1	36.0	38.8													3000	0.00	0.24	0.48	0.72	0.96	1.20	1.44	1.68	1.92	2.16
3200	12.8	14.7	16.6	18.9	21.0	23.9	26.6	29.3	31.9	34.4	37.4														3200	0.00	0.26	0.51	0.77	1.02	1.28	1.54	1.79	2.05	2.30
3400	13.3	15.3	17.3	19.6	21.9	24.8	27.7	30.4	33.1	35.6															3400	0.00	0.27	0.54	0.82	1.09	1.36	1.63	1.91	2.18	2.45
3600	13.8	15.9	17.9	20.3	22.7	25.7	28.6	31.4	34.1																3600	0.00	0.29	0.58	0.86	1.15	1.44	1.73	2.02	2.31	2.59
3800	14.2	16.4	18.5	21.0	23.4	26.5	29.5	32.3																	3800	0.00	0.30	0.61	0.91	1.22	1.52	1.83	2.13	2.43	2.74
4000	14.6	16.9	19.1	21.6	24.1	27.2	30.3																		4000	0.00	0.32	0.64	0.96	1.28	1.60	1.92	2.24	2.56	2.88
4200	15.0	17.3	19.5	22.2	24.7	27.9	30.9																		4200	0.00	0.34	0.67	1.01	1.34	1.68	2.02	2.35	2.69	3.02
4400	15.3	17.7	20.0	22.6	25.2	28.5																			4400	0.00	0.35	0.70	1.06	1.41	1.76	2.11	2.47	2.82	3.17
4600	15.6	18.0	20.4	23.1	25.7																				4600	0.00	0.37	0.74	1.10	1.47	1.84	2.21	2.58	2.95	3.31
4800	15.9	18.3	20.7	23.4	26.1																				4800	0.00	0.38	0.77	1.15	1.54	1.92	2.31	2.69	3.07	3.46
5000	16.1	18.6	21.0	23.8																					5000	0.00	0.40	0.80	1.20	1.60	2.00	2.40	2.80	3.20	3.60
5200	16.3	18.8	21.2																						5200	0.00	0.42	0.83	1.25	1.66	2.08	2.50	2.91	3.33	3.75
5400	16.4	18.9	21.4																						5400	0.00	0.43	0.86	1.29	1.73	2.16	2.59	3.03	3.46	3.89
5600	16.5	19.1																							5600	0.00	0.45	0.90	1.34	1.79	2.24	2.69	3.14	3.59	4.03
5800	16.5																								5800	0.00	0.46	0.93	1.39	1.86	2.32	2.79	3.25	3.71	4.18
6000	16.5																								6000	0.00	0.48	0.96	1.44	1.92	2.40	2.88	3.36	3.84	4.32

Drives for rpm-diameter combinations where no horsepower is shown may be practical if all conditions are known. See your local Gates representative

Rim speed above 6,500 feet per minute. See your local Gates representative.

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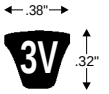

Table No. 11 Rated Horsepower per Belt For 3V Super HC® V-Belts and Super HC PowerBand® Belts

RPM of Faster Shaft	Basic Horsepower per Belt for Small Sheave Outside Diameter																
	2.65	2.80	3.00	3.15	3.35	3.65	4.12	4.50	4.75	5.00	5.30	5.60	6.00	6.50	6.90	8.00	10.6
575	.66	.75	.88	.97	1.09	1.28	1.57	1.80	1.95	2.10	2.28	2.46	2.69	2.99	3.22	3.85	5.32
690	.76	.88	1.02	1.13	1.28	1.50	1.84	2.11	2.29	2.47	2.68	2.89	3.17	3.52	3.79	4.54	6.26
725	.80	.91	1.07	1.18	1.34	1.57	1.92	2.21	2.39	2.58	2.80	3.02	3.31	3.67	3.96	4.74	6.54
870	.92	1.06	1.24	1.38	1.56	1.83	2.25	2.59	2.81	3.03	3.29	3.55	3.89	4.32	4.66	5.57	7.67
950	.99	1.14	1.34	1.49	1.68	1.98	2.43	2.80	3.03	3.27	3.55	3.84	4.21	4.67	5.03	6.02	8.28
1160	1.16	1.34	1.58	1.76	1.99	2.35	2.89	3.33	3.61	3.89	4.23	4.57	5.01	5.56	5.99	7.16	9.79
1425	1.36	1.58	1.87	2.08	2.37	2.79	3.45	3.97	4.31	4.65	5.05	5.45	5.98	6.63	7.14	8.51	11.6
1750	1.60	1.86	2.20	2.46	2.80	3.31	4.09	4.72	5.12	5.53	6.00	6.48	7.10	7.86	8.46	10.0	13.5
2850	2.27	2.67	3.20	3.59	4.11	4.87	6.03	6.95	7.54	8.11	8.79	9.45	10.3	11.3	12.1	14.0	
3450	2.57	3.04	3.65	4.11	4.71	5.59	6.92	7.95	8.60	9.24	9.98	10.7	11.6	12.6	13.4		
200	.27	.31	.35	.39	.43	.50	.61	.70	.75	.81	.88	.95	1.04	1.15	1.23	1.48	2.04
400	.49	.55	.64	.71	.80	.93	1.14	1.30	1.41	1.52	1.64	1.77	1.94	2.15	2.32	2.78	3.84
600	.68	.78	.91	1.01	1.14	1.33	1.63	1.87	2.02	2.18	2.37	2.55	2.80	3.10	3.34	4.01	5.53
800	.86	.99	1.16	1.29	1.45	1.70	2.09	2.41	2.61	2.81	3.05	3.30	3.61	4.01	4.32	5.18	7.13
1000	1.03	1.19	1.40	1.55	1.76	2.07	2.54	2.92	3.17	3.42	3.72	4.01	4.40	4.88	5.26	6.30	8.65
1200	1.19	1.38	1.62	1.81	2.05	2.41	2.98	3.43	3.72	4.01	4.36	4.70	5.16	5.72	6.17	7.37	10.1
1400	1.35	1.56	1.84	2.05	2.33	2.75	3.39	3.91	4.25	4.58	4.98	5.37	5.89	6.53	7.03	8.39	11.4
1600	1.49	1.73	2.05	2.29	2.60	3.07	3.80	4.38	4.75	5.13	5.57	6.01	6.59	7.30	7.86	9.36	12.6
1800	1.63	1.90	2.25	2.52	2.87	3.39	4.19	4.83	5.25	5.66	6.15	6.63	7.26	8.04	8.65	10.3	13.7
2000	1.76	2.06	2.45	2.74	3.12	3.69	4.57	5.27	5.72	6.17	6.70	7.22	7.91	8.75	9.40	11.1	14.7
2200	1.89	2.21	2.64	2.95	3.37	3.99	4.94	5.69	6.18	6.66	7.23	7.79	8.52	9.42	10.1	11.9	15.6
2400	2.02	2.36	2.82	3.16	3.60	4.27	5.29	6.09	6.62	7.13	7.74	8.33	9.11	10.0	10.8	12.6	16.3
2600	2.13	2.50	2.99	3.35	3.83	4.54	5.63	6.48	7.04	7.58	8.22	8.85	9.66	10.6	11.4	13.3	
2800	2.24	2.64	3.16	3.54	4.05	4.80	5.95	6.86	7.44	8.01	8.68	9.33	10.2	11.2	12.0	13.9	
3000	2.35	2.77	3.32	3.73	4.26	5.06	6.27	7.21	7.82	8.41	9.11	9.79	10.7	11.7	12.5	14.4	
3200	2.45	2.89	3.47	3.90	4.47	5.30	6.56	7.55	8.18	8.80	9.52	10.2	11.1	12.1	12.9	14.8	
3400	2.55	3.01	3.62	4.07	4.66	5.53	6.85	7.87	8.52	9.16	9.89	10.6	11.5	12.6	13.3		
3600	2.64	3.12	3.76	4.23	4.85	5.75	7.12	8.17	8.84	9.49	10.2	11.0	11.9	12.9	13.7		
3800	2.72	3.23	3.89	4.38	5.02	5.96	7.37	8.45	9.14	9.80	10.6	11.3	12.2	13.2	13.9		
4000	2.80	3.33	4.02	4.52	5.19	6.16	7.61	8.72	9.41	10.1	10.8	11.6	12.5	13.5			
4200	2.88	3.42	4.13	4.66	5.34	6.34	7.83	8.96	9.66	10.3	11.1	11.8	12.7				
4400	2.95	3.51	4.24	4.78	5.49	6.51	8.03	9.17	9.88	10.6	11.3	12.0	12.9				
4600	3.01	3.59	4.35	4.90	5.63	6.67	8.22	9.37	10.1	10.8	11.5	12.2					
4800	3.07	3.66	4.44	5.01	5.75	6.82	8.38	9.54	10.3	10.9	11.7						
5000	3.12	3.73	4.53	5.11	5.87	6.95	8.53	9.69	10.4	11.0	11.8						

RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and over
575	0.00	0.01	0.03	0.05	0.07	0.08	0.10	0.11	0.12	0.12
690	0.00	0.01	0.03	0.06	0.08	0.10	0.11	0.13	0.14	0.15
725	0.00	0.01	0.04	0.06	0.08	0.10	0.12	0.14	0.15	0.16
870	0.00	0.02	0.04	0.07	0.10	0.12	0.14	0.16	0.18	0.19
950	0.00	0.02	0.05	0.08	0.11	0.13	0.16	0.18	0.19	0.20
1160	0.00	0.02	0.06	0.10	0.14	0.16	0.19	0.22	0.24	0.25
1425	0.00	0.03	0.07	0.12	0.17	0.20	0.24	0.27	0.29	0.31
1750	0.00	0.03	0.09	0.15	0.20	0.25	0.29	0.33	0.36	0.38
2850	0.00	0.05	0.14	0.25	0.33	0.40	0.47	0.53	0.58	0.61
3450	0.00	0.06	0.17	0.30	0.40	0.49	0.57	0.65	0.70	0.74
200	0.00	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.04
400	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.07	0.08	0.09
600	0.00	0.01	0.03	0.05	0.07	0.09	0.10	0.11	0.12	0.13
800	0.00	0.01	0.04	0.07	0.09	0.11	0.13	0.15	0.16	0.17
1000	0.00	0.02	0.05	0.09	0.12	0.14	0.17	0.19	0.20	0.22
1200	0.00	0.02	0.06	0.10	0.14	0.17	0.20	0.22	0.24	0.26
1400	0.00	0.03	0.07	0.12	0.16	0.20	0.23	0.26	0.29	0.30
1600	0.00	0.03	0.08	0.14	0.19	0.23	0.27	0.30	0.33	0.35
1800	0.00	0.03	0.09	0.15	0.21	0.26	0.30	0.34	0.37	0.39
2000	0.00	0.04	0.10	0.17	0.23	0.28	0.33	0.37	0.41	0.43
2200	0.00	0.04	0.11	0.19	0.26	0.31	0.37	0.41	0.45	0.47
2400	0.00	0.04	0.12	0.21	0.28	0.34	0.40	0.45	0.49	0.52
2600	0.00	0.05	0.13	0.22	0.30	0.37	0.43	0.49	0.53	0.56
2800	0.00	0.05	0.14	0.24	0.33	0.40	0.47	0.52	0.57	0.60
3000	0.00	0.05	0.15	0.26	0.35	0.43	0.50	0.56	0.61	0.65
3200	0.00	0.06	0.16	0.28	0.37	0.45	0.53	0.60	0.65	0.69
3400	0.00	0.06	0.17	0.29	0.40	0.48	0.56	0.64	0.69	0.73
3600	0.00	0.07	0.18	0.31	0.42	0.51	0.60	0.67	0.73	0.78
3800	0.00	0.07	0.19	0.33	0.44	0.54	0.63	0.71	0.77	0.82
4000	0.00	0.07	0.20	0.34	0.47	0.57	0.66	0.75	0.81	0.86
4200	0.00	0.08	0.21	0.36	0.49	0.60	0.70	0.79	0.86	0.91
4400	0.00	0.08	0.22	0.38	0.51	0.62	0.73	0.82	0.90	0.95
4600	0.00	0.08	0.23	0.40	0.54	0.65	0.76	0.86	0.94	0.99
4800	0.00	0.09	0.24	0.41	0.56	0.68	0.80	0.90	0.98	1.04
5000	0.00	0.09	0.25	0.43	0.59	0.71	0.83	0.93	1.02	1.08

Rim speed above 6,500 feet per minute. See your local Gates representative.

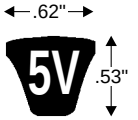

Table No. 12 Rated Horsepower per Belt

For 5V Super HC® V-Belts and Super HC PowerBand® Belts

RPM of Faster Shaft	Basic Horsepower per Belt for Small Sheave Outside Diameter															
	7.1	7.5	8.0	8.5	9.0	9.25	9.75	10.3	10.9	11.3	11.8	12.5	13.2	14.0	15.0	16.0
435	4.99	5.48	6.10	6.72	7.33	7.64	8.25	8.91	9.64	10.1	10.7	11.5	12.4	13.3	14.5	15.6
485	5.48	6.03	6.71	7.40	8.07	8.41	9.08	9.82	10.6	11.1	11.8	12.7	13.6	14.7	15.9	17.2
575	6.35	6.99	7.79	8.58	9.37	9.76	10.5	11.4	12.3	12.9	13.7	14.8	15.8	17.0	18.5	19.9
690	7.42	8.18	9.12	10.1	11.0	11.4	12.4	13.4	14.4	15.2	16.1	17.3	18.5	19.9	21.6	23.3
725	7.74	8.53	9.51	10.5	11.5	11.9	12.9	13.9	15.1	15.8	16.7	18.0	19.3	20.8	22.5	24.3
870	9.02	9.95	11.1	12.2	13.4	13.9	15.1	16.3	17.6	18.5	19.5	21.0	22.5	24.1	26.2	28.1
950	9.70	10.7	11.9	13.2	14.4	15.0	16.2	17.5	18.9	19.9	21.0	22.6	24.2	25.9	28.0	30.1
1160	11.4	12.6	14.1	15.5	17.0	17.7	19.1	20.6	22.2	23.3	24.6	26.4	28.2	30.2	32.5	34.8
1425	13.4	14.8	16.5	18.2	19.9	20.7	22.3	24.1	25.9	27.1	28.6	30.6	32.6	34.7	37.2	39.5
1750	15.6	17.2	19.2	21.2	23.0	24.0	25.8	27.7	29.7	31.0	32.6	34.7	36.7	38.8	41.1	
2850	20.5	22.5	24.9	27.1	29.0	30.0										
3450	21.3	23.2														
100	1.36	1.48	1.64	1.80	1.96	2.04	2.19	2.36	2.55	2.67	2.83	3.04	3.26	3.50	3.80	4.11
200	2.52	2.76	3.06	3.36	3.66	3.81	4.11	4.44	4.79	5.03	5.32	5.73	6.14	6.60	7.18	7.75
300	3.60	3.96	4.40	4.83	5.27	5.49	5.92	6.40	6.91	7.25	7.68	8.27	8.86	9.54	10.4	11.2
400	4.63	5.10	5.67	6.24	6.81	7.09	7.66	8.27	8.94	9.39	9.94	10.7	11.5	12.3	13.4	14.5
500	5.63	6.19	6.90	7.60	8.29	8.64	9.33	10.1	10.9	11.4	12.1	13.1	14.0	15.1	16.4	17.7
600	6.58	7.25	8.08	8.91	9.73	10.1	10.9	11.8	12.8	13.4	14.2	15.3	16.4	17.6	19.2	20.7
700	7.51	8.28	9.23	10.2	11.1	11.6	12.5	13.5	14.6	15.4	16.3	17.5	18.7	20.1	21.9	23.6
800	8.41	9.27	10.3	11.4	12.5	13.0	14.0	15.2	16.4	17.2	18.2	19.6	21.0	22.5	24.4	26.3
900	9.28	10.2	11.4	12.6	13.8	14.3	15.5	16.7	18.1	19.0	20.1	21.6	23.1	24.8	26.9	28.9
1000	10.1	11.2	12.5	13.8	15.0	15.7	16.9	18.3	19.7	20.7	21.9	23.5	25.2	27.0	29.2	31.3
1100	10.9	12.1	13.5	14.9	16.2	16.9	18.3	19.7	21.3	22.3	23.6	25.4	27.1	29.0	31.3	33.6
1200	11.7	13.0	14.5	15.9	17.4	18.1	19.6	21.1	22.8	23.9	25.3	27.1	28.9	30.9	33.3	35.6
1300	12.5	13.8	15.4	17.0	18.5	19.3	20.8	22.5	24.2	25.4	26.8	28.7	30.6	32.7	35.2	37.5
1400	13.2	14.6	16.3	18.0	19.6	20.4	22.0	23.8	25.6	26.8	28.3	30.3	32.2	34.3	36.8	39.2
1500	13.9	15.4	17.2	18.9	20.7	21.5	23.2	25.0	26.9	28.1	29.6	31.7	33.7	35.8	38.3	40.6
1600	14.6	16.2	18.0	19.9	21.7	22.5	24.3	26.1	28.1	29.4	30.9	33.0	35.0	37.1	39.6	41.8
1700	15.3	16.9	18.8	20.7	22.6	23.5	25.3	27.2	29.2	30.5	32.1	34.2	36.1	38.2	40.6	
1800	15.9	17.6	19.6	21.6	23.5	24.4	26.2	28.2	30.2	31.5	33.1	35.2	37.2	39.2		
1900	16.5	18.2	20.3	22.3	24.3	25.3	27.1	29.1	31.2	32.5	34.1	36.1	38.0	40.0		
2000	17.1	18.8	21.0	23.1	25.1	26.1	27.9	29.9	32.0	33.3	34.9	36.9	38.7			
2200	18.1	20.0	22.2	24.4	26.4	27.4	29.4	31.4	33.4	34.6	36.1					
2400	19.0	20.9	23.3	25.5	27.6	28.5	30.5	32.4	34.3							
2600	19.8	21.8	24.1	26.3	28.4	29.4	31.2									
2800	20.4	22.4	24.8	26.9	29.0	29.9										
3000	20.9	22.9	25.2	27.3												
3200	21.2	23.1	25.4													
3400	21.3	23.2														
3600	21.2															

Drives for rpm-diameter combinations where no horsepower is shown may be practical if all conditions are known. See your local Gates representative

RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and over
435	0.00	0.04	0.11	0.20	0.27	0.33	0.38	0.43	0.47	0.50
485	0.00	0.05	0.13	0.22	0.30	0.37	0.43	0.48	0.53	0.56
575	0.00	0.06	0.15	0.26	0.36	0.43	0.51	0.57	0.62	0.66
690	0.00	0.07	0.18	0.32	0.43	0.52	0.61	0.69	0.75	0.79
725	0.00	0.07	0.19	0.33	0.45	0.55	0.64	0.72	0.79	0.83
870	0.00	0.08	0.23	0.40	0.54	0.66	0.77	0.86	0.94	1.00
950	0.00	0.09	0.25	0.43	0.59	0.72	0.84	0.94	1.03	1.09
1160	0.00	0.11	0.30	0.53	0.72	0.87	1.02	1.15	1.26	1.33
1425	0.00	0.14	0.37	0.65	0.89	1.07	1.26	1.42	1.54	1.63
1750	0.00	0.17	0.46	0.80	1.09	1.32	1.55	1.74	1.90	2.01
2850	0.00	0.27	0.75	1.30	1.77	2.15	2.52	2.83	3.09	3.27
3450	0.00	0.33	0.90	1.58	2.15	2.60	3.05	3.43	3.74	3.96
100	0.00	0.01	0.03	0.05	0.06	0.08	0.09	0.10	0.11	0.11
200	0.00	0.02	0.05	0.09	0.12	0.15	0.18	0.20	0.22	0.23
300	0.00	0.03	0.08	0.14	0.19	0.23	0.26	0.30	0.32	0.34
400	0.00	0.04	0.10	0.18	0.25	0.30	0.35	0.40	0.43	0.46
500	0.00	0.05	0.13	0.23	0.31	0.38	0.44	0.50	0.54	0.57
600	0.00	0.06	0.16	0.27	0.37	0.45	0.53	0.60	0.65	0.69
700	0.00	0.07	0.18	0.32	0.44	0.53	0.62	0.70	0.76	0.80
800	0.00	0.08	0.21	0.37	0.50	0.60	0.71	0.80	0.87	0.92
900	0.00	0.09	0.24	0.41	0.56	0.68	0.79	0.89	0.97	1.03
1000	0.00	0.10	0.26	0.46	0.62	0.75	0.88	0.99	1.08	1.15
1100	0.00	0.11	0.29	0.50	0.68	0.83	0.97	1.09	1.19	1.26
1200	0.00	0.12	0.31	0.55	0.75	0.91	1.06	1.19	1.30	1.38
1300	0.00	0.13	0.34	0.59	0.81	0.98	1.15	1.29	1.41	1.49
1400	0.00	0.13	0.37	0.64	0.87	1.06	1.24	1.39	1.52	1.61
1500	0.00	0.14	0.39	0.69	0.93	1.13	1.32	1.49	1.62	1.72
1600	0.00	0.15	0.42	0.73	1.00	1.21	1.41	1.59	1.73	1.84
1700	0.00	0.16	0.45	0.78	1.06	1.28	1.50	1.69	1.84	1.95
1800	0.00	0.17	0.47	0.82	1.12	1.36	1.59	1.79	1.95	2.06
1900	0.00	0.18	0.50	0.87	1.18	1.43	1.68	1.89	2.06	2.18
2000	0.00	0.19	0.52	0.91	1.24	1.51	1.77	1.99	2.17	2.29
2200	0.00	0.21	0.58	1.01	1.37	1.66	1.94	2.19	2.38	2.52
2400	0.00	0.23	0.63	1.10	1.49	1.81	2.12	2.39	2.60	2.75
2600	0.00	0.25	0.68	1.19	1.62	1.96	2.30	2.58	2.82	2.98
2800	0.00	0.27	0.73	1.28	1.74	2.11	2.47	2.78	3.03	3.21
3000	0.00	0.29	0.79	1.37	1.87	2.26	2.65	2.98	3.25	3.44
3200	0.00	0.31	0.84	1.46	1.99	2.41	2.83	3.18	3.47	3.67
3400	0.00	0.33	0.89	1.55	2.12	2.56	3.00	3.38	3.68	3.90
3600	0.00	0.35	0.94	1.65	2.24	2.72	3.18	3.58	3.90	4.13

Rim speed above 6,500 feet per minute. See your local Gates representative.

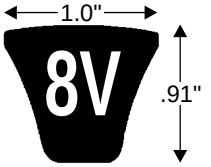

Table No. 13 Rated Horsepower per Belt

RPM of Faster Shaft	Basic Horsepower per Belt for Small Sheave Outside Diameter										
	12.5	13.2	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.2	22.4
435	20.1	22.3	24.8	27.8	30.9	33.9	36.9	39.8	42.7	46.2	49.7
485	22.0	24.4	27.1	30.5	33.8	37.1	40.4	43.7	46.9	50.7	54.4
575	25.3	28.1	31.3	35.2	39.0	42.8	46.5	50.2	53.9	58.2	62.5
690	29.3	32.6	36.2	40.7	45.2	49.5	53.8	58.0	62.2	67.1	71.8
725	30.5	33.8	37.7	42.3	46.9	51.5	55.9	60.3	64.5	69.5	74.4
870	35.0	38.9	43.2	48.6	53.8	58.9	63.9	68.7	73.4	78.8	84.0
950	37.3	41.4	46.1	51.7	57.2	62.6	67.8	72.8	77.6	83.2	88.4
1160	42.6	47.3	52.5	58.8	64.8	70.6	76.1	81.2	86.1	91.5	96.5
1425	47.6	52.7	58.4	65.0	71.2	76.9	82.1				
1750	50.9	56.1	61.7	67.9							
50	3.01	3.31	3.64	4.06	4.47	4.88	5.30	5.71	6.11	6.60	7.09
100	5.59	6.15	6.79	7.59	8.38	9.17	9.96	10.7	11.5	12.5	13.4
150	8.00	8.82	9.76	10.9	12.1	13.2	14.4	15.5	16.7	18.0	19.4
200	10.3	11.4	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.3	25.1
250	12.5	13.8	15.3	17.2	19.0	20.9	22.7	24.5	26.3	28.5	30.7
300	14.6	16.2	18.0	20.2	22.4	24.5	26.7	28.8	31.0	33.5	36.0
350	16.7	18.5	20.5	23.1	25.6	28.1	30.5	33.0	35.4	38.4	41.2
400	18.7	20.8	23.0	25.9	28.7	31.5	34.3	37.1	39.8	43.0	46.3
450	20.7	22.9	25.5	28.6	31.8	34.9	37.9	41.0	44.0	47.6	51.1
500	22.6	25.0	27.8	31.3	34.7	38.1	41.5	44.8	48.1	52.0	55.8
550	24.4	27.1	30.1	33.9	37.6	41.3	44.9	48.5	52.0	56.2	60.3
600	26.2	29.1	32.4	36.4	40.4	44.3	48.2	52.0	55.8	60.2	64.6
650	28.0	31.0	34.5	38.8	43.1	47.3	51.4	55.4	59.4	64.1	68.7
700	29.7	32.9	36.6	41.2	45.7	50.1	54.4	58.7	62.9	67.8	72.6
750	31.3	34.8	38.7	43.5	48.2	52.8	57.4	61.8	66.2	71.3	76.2
800	32.9	36.5	40.6	45.7	50.6	55.4	60.2	64.8	69.3	74.6	79.6
850	34.4	38.2	42.5	47.8	52.9	57.9	62.8	67.6	72.3	77.6	82.8
900	35.9	39.8	44.3	49.8	55.1	60.3	65.4	70.3	75.0	80.5	85.8
950	37.3	41.4	46.1	51.7	57.2	62.6	67.8	72.8	77.6	83.2	88.4
1000	38.6	42.9	47.7	53.6	59.2	64.7	70.0	75.1	80.0	85.6	90.8
1050	39.9	44.4	49.3	55.3	61.1	66.7	72.1	77.2	82.1	87.7	92.9
1100	41.2	45.7	50.8	56.9	62.9	68.5	74.0	79.2	84.1	89.6	94.7
1150	42.3	47.0	52.2	58.5	64.5	70.3	75.7	80.9	85.8	91.3	96.2
1200	43.5	48.2	53.5	59.9	66.0	71.8	77.3	82.5	87.3	92.6	
1250	44.5	49.4	54.8	61.2	67.4	73.2	78.7	83.8	88.5	93.7	
1300	45.5	50.4	55.9	62.5	68.7	74.5	79.9	84.9	89.5		
1350	46.4	51.4	57.0	63.6	69.8	75.6	80.9	85.8			
1400	47.2	52.3	57.9	64.6	70.8	76.5	81.8	86.5			
1450	48.0	53.1	58.8	65.4	71.6	77.2	82.4				
1500	48.7	53.9	59.5	66.2	72.3	77.8					
1550	49.3	54.5	60.2	66.8	72.8	78.2					
1600	49.8	55.1	60.7	67.3	73.2						
1650	50.3	55.5	61.1	67.6	73.4						
1700	50.6	55.9	61.5	67.8							
1750	50.9	56.1	61.7	67.9							
1800	51.1	56.3	61.7								
1850	51.2	56.3	61.7								
1900	51.2	56.3	61.5								
1950	51.2	56.1									
2000	51.0	55.9									

Drives for rpm-diameter combinations where no horsepower is shown may be practical if all conditions are known. See your local Gates representative

RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and over
435	0.00	0.20	0.56	0.97	1.32	1.60	1.87	2.11	2.30	2.43
485	0.00	0.23	0.62	1.08	1.47	1.78	2.09	2.35	2.56	2.71
575	0.00	0.27	0.73	1.28	1.74	2.11	2.47	2.79	3.03	3.21
690	0.00	0.32	0.88	1.54	2.09	2.54	2.97	3.34	3.64	3.86
725	0.00	0.34	0.93	1.62	2.20	2.66	3.12	3.51	3.83	4.05
870	0.00	0.41	1.11	1.94	2.64	3.20	3.74	4.21	4.59	4.86
950	0.00	0.45	1.21	2.12	2.88	3.49	4.09	4.60	5.01	5.31
1160	0.00	0.54	1.48	2.58	3.52	4.26	4.99	5.62	6.12	6.48
1425	0.00	0.67	1.82	3.17	4.32	5.24	6.13	6.90	7.52	7.96
1750	0.00	0.82	2.24	3.90	5.31	6.43	7.53	8.48	9.23	9.78
50	0.00	0.02	0.06	0.11	0.15	0.18	0.22	0.24	0.26	0.28
100	0.00	0.05	0.13	0.22	0.30	0.37	0.43	0.48	0.53	0.56
150	0.00	0.07	0.19	0.33	0.45	0.55	0.65	0.73	0.79	0.84
200	0.00	0.09	0.26	0.45	0.61	0.73	0.86	0.97	1.06	1.12
250	0.00	0.12	0.32	0.56	0.76	0.92	1.08	1.21	1.32	1.40
300	0.00	0.14	0.38	0.67	0.91	1.10	1.29	1.45	1.58	1.68
350	0.00	0.16	0.45	0.78	1.06	1.29	1.51	1.70	1.85	1.96
400	0.00	0.19	0.51	0.89	1.21	1.47	1.72	1.94	2.11	2.24
450	0.00	0.21	0.58	1.00	1.36	1.65	1.94	2.18	2.37	2.52
500	0.00	0.23	0.64	1.11	1.52	1.84	2.15	2.42	2.64	2.79
550	0.00	0.26	0.70	1.23	1.67	2.02	2.37	2.66	2.90	3.07
600	0.00	0.28	0.77	1.34	1.82	2.20	2.58	2.91	3.17	3.35
650	0.00	0.30	0.83	1.45	1.97	2.39	2.80	3.15	3.43	3.63
700	0.00	0.33	0.89	1.56	2.12	2.57	3.01	3.39	3.69	3.91
750	0.00	0.35	0.96	1.67	2.27	2.76	3.23	3.63	3.96	4.19
800	0.00	0.38	1.02	1.78	2.43	2.94	3.44	3.88	4.22	4.47
850	0.00	0.40	1.09	1.89	2.58	3.12	3.66	4.12	4.49	4.75
900	0.00	0.42	1.15	2.00	2.73	3.31	3.87	4.36	4.75	5.03
950	0.00	0.45	1.21	2.12	2.88	3.49	4.09	4.60	5.01	5.31
1000	0.00	0.47	1.28	2.23	3.03	3.67	4.30	4.84	5.28	5.59
1050	0.00	0.49	1.34	2.34	3.18	3.86	4.52	5.09	5.54	5.87
1100	0.00	0.52	1.41	2.45	3.34	4.04	4.73	5.33	5.80	6.15
1150	0.00	0.54	1.47	2.56	3.49	4.23	4.95	5.57	6.07	6.43
1200	0.00	0.56	1.53	2.67	3.64	4.41	5.16	5.81	6.33	6.71
1250	0.00	0.59	1.60	2.78	3.79	4.59	5.38	6.05	6.60	6.99
1300	0.00	0.61	1.66	2.90	3.94	4.78	5.59	6.30	6.86	7.27
1350	0.00	0.63	1.73	3.01	4.09	4.96	5.81	6.54	7.12	7.55
1400	0.00	0.66	1.79	3.12	4.24	5.14	6.03	6.78	7.39	7.82
1450	0.00	0.68	1.85	3.23	4.40	5.33	6.24	7.02	7.65	8.10
1500	0.00	0.70	1.92	3.34	4.55	5.51	6.46	7.27	7.92	8.38
1550	0.00	0.73	1.98	3.45	4.70	5.70	6.67	7.51	8.18	8.66
1600	0.00	0.75	2.04	3.56	4.85	5.88	6.89	7.75	8.44	8.94
1650	0.00	0.77	2.11	3.68	5.00	6.06	7.10	7.99	8.71	9.22
1700	0.00	0.80	2.17	3.79	5.15	6.25	7.32	8.23	8.97	9.50
1750	0.00	0.82	2.24	3.90	5.31	6.43	7.53	8.48	9.23	9.78
1800	0.00	0.84	2.30	4.01	5.46	6.61	7.75	8.72	9.50	10.06
1850	0.00	0.87	2.36	4.12	5.61	6.80	7.96	8.96	9.76	10.34
1900	0.00	0.89	2.43	4.23	5.76	6.98	8.18	9.20	10.03	10.62
1950	0.00	0.91	2.49	4.34	5.91	7.17	8.39	9.45	10.29	10.90
2000	0.00	0.94	2.56	4.46	6.06	7.35	8.61	9.69	10.55	11.18

Rim speed above 6,500 feet per minute. See your local Gates representative.

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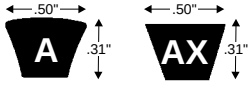

Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 14

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																										
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	AX21	AX22	AX23	A24 AX24	AX25	A26 AX26	A27 AX27	A28	A29 AX29	A29.8	A30	A31 AX31	A32 AX32	A33 AX33	A34 AX34	A35 AX35	A36 AX36	A37 AX37	A38 AX38	A39	A40 AX40	A41	A42 AX42	A43 AX43	A44		
1160	1750	3450	3.00	3.00	1.00	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.8	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9		
1160	1750	3450	3.20	3.20	1.00	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.5	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6		
1160	1750	3450	3.40	3.40	1.00	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.2	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3		
1160	1750	3450	3.60	3.60	1.00	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	9.9	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0		
1160	1750	3450	3.80	3.80	1.00		5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.6	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7		
1160	1750	3450	4.00	4.00	1.00			5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.3	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4		
1160	1750	3450	4.20	4.20	1.00				6.1	6.6	7.1	7.6	8.1	8.6	9.0	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1		
1160	1750	3450	4.60	4.60	1.00						6.4	6.9	7.4	7.9	8.3	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4		
1160	1750	3450	4.80	4.80	1.00							6.6	7.1	7.6	8.0	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1		
1160	1750	3450	5.00	5.00	1.00								6.8	7.3	7.7	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8		
1160	1750	3450	5.20	5.20	1.00									7.0	7.4	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5		
1160	1750	3450	5.60	5.60	1.00												7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9		
1160	1750	3450	6.00	6.00	1.00														7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2		
1160	1750	3450	6.40	6.40	1.00																8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6		
1160	1750	3450	7.00	7.00	1.00																			8.7	9.2	9.7	10.2	10.7	11.2	11.7		
1115	1683	3317	4.60	4.80	1.04						6.3	6.8	7.3	7.8	8.2	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3		
1115	1683	3317	4.80	5.00	1.04							6.5	7.0	7.5	7.9	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0		
1115	1683	3317	5.00	5.20	1.04								6.6	7.1	7.5	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6		
1105	1667	3286	3.40	3.60	1.05	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.1	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2		
1105	1667	3286	3.60	3.80	1.05	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.7	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8		
1105	1667	3286	3.80	4.00	1.05		5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.4	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5		
1105	1667	3286	4.00	4.20	1.05			5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.1	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2		
1094	1651	3255	3.00	3.20	1.06	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.7	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8		
1094	1651	3255	3.20	3.40	1.06	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.4	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5		
1094	1651	3255	6.00	6.40	1.06															7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9		
1084	1636	3224	5.20	5.60	1.07										7.1	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2		
1084	1636	3224	5.60	6.00	1.07													7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5		
1074	1620	3194	4.60	5.00	1.08							6.6	7.1	7.6	8.0	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1		
1074	1620	3194	4.80	5.20	1.08								6.8	7.3	7.7	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8		
1064	1606	3165	4.20	4.60	1.09					6.2	6.7	7.2	7.7	8.2	8.6	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7		
1064	1606	3165	6.40	7.00	1.09																		8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1		
1055	1591	3136	3.60	4.00	1.10		5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.6	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7		
1055	1591	3136	3.80	4.20	1.10			5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.3	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4		
1045	1577	3108	3.40	3.80	1.11	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	9.9	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0		
1045	1577	3108	5.00	5.60	1.11									6.8	7.2	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3		
1036	1562	3080	3.00	3.40	1.12	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.5	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6		
1036	1562	3080	3.20	3.60	1.12	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.2	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3		
1036	1562	3080	4.60	5.20	1.12						6.4	6.9	7.4	7.8	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	15.0			
1027	1549	3053	4.20	4.80	1.13					6.1	6.6	7.1	7.6	8.1	8.5	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6		
1018	1535	3026	4.00	4.60	1.14				5.9	6.4	6.9	7.4	7.9	8.4	8.8	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9		
1018	1535	3026	5.60	6.40	1.14														7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2		
1009	1522	3000	5.20	6.00	1.15												7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8		
1000	1509	2974	3.40	4.00	1.16	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.7	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8		
1000	1509	2974	3.60	4.20	1.16		5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.4	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5		
1000	1509	2974	4.80	5.60	1.16									7.0	7.4	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5		
1000	1509	2974	6.00	7.00	1.16																	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4		
991	1496	2949	3.20	3.80	1.17	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.0	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1		
991	1496	2949	7.00	8.20	1.17																						9.2	9.7	10.2	10.7		
983	1483	2924	3.00	3.60	1.18	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.4	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5		
983	1483	2924	4.20	5.00	1.18						6.4	6.9	7.4	7.9	8.3	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4		
975	1471	2899	4.00	4.80	1.19					6.2	6.7	7.2	7.7	8.2	8.6	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7		
975	1471	2899	5.00	6.00	1.19											7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0		
967	1458	2875	3.80	4.60	1.20				6.0	6.5	7.0	7.5	8.0	8.5	8.9	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0		
959	1446	2851	4.60	5.60	1.21								6.6	7.1	7.5	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6		

Key to correction factors: 0.7 0.8 0.9

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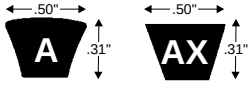
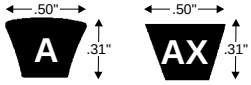


V-Belt No. and Center Distance																							Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																									Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		3450 RPM
A45 AX45	A46 AX46	A47 AX47	A48 AX48	A49 AX49	A50 AX50	A51 AX51	A52 AX52	A53 AX53	A54 AX54	A55 AX55	A56 AX56	A57 AX57	A58	A59 AX59	A60 AX60	A61 AX61	A62 AX62	A63 AX63	A64 AX64	A65 AX65	A66 AX66	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	
18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	3.00	3.00	1.62	2.13	3.01	2.16	2.82	3.99
18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	3.20	3.20	1.87	2.50	3.61	2.39	3.14	4.49
17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	3.40	3.40	2.13	2.86	4.20	2.62	3.45	4.97
17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	3.60	3.60	2.38	3.21	4.77	2.84	3.76	5.44
17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	3.80	3.80	2.63	3.57	5.33	3.07	4.07	5.90
16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	4.00	4.00	2.88	3.92	5.87	3.29	4.37	6.34
16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	4.20	4.20	3.13	4.26	6.40	3.50	4.67	6.77
15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	4.60	4.60	3.62	4.94	7.40	3.94	5.25	7.58
15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	4.80	4.80	3.86	5.28	7.88	4.15	5.53	7.96
15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	5.00	5.00	4.10	5.61	8.34	4.36	5.81	8.32
15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	5.20	5.20	4.34	5.94	8.78	4.57	6.09	8.67
14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	5.60	5.60	4.81	6.59	9.60	4.98	6.63	9.32
13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	6.00	6.00	5.28	7.22	†10.30	5.38	7.16	†9.90
13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	6.40	6.40	5.74	7.84	†11.00	5.78	7.68	†10.40
12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	7.00	7.00	6.42	8.73	†	6.36	8.42	†
15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	4.60	4.80	3.67	5.03	7.58	3.98	5.32	7.72
15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	4.80	5.00	3.92	5.37	8.05	4.20	5.61	8.10
15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	5.00	5.20	4.16	5.70	8.51	4.41	5.89	8.47
17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	3.40	3.60	2.18	2.95	4.37	2.67	3.53	5.12
17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	3.60	3.80	2.44	3.30	4.95	2.89	3.84	5.59
17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	3.80	4.00	2.69	3.65	5.50	3.11	4.14	6.05
16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	4.00	4.20	2.94	4.00	6.05	3.33	4.44	6.49
18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	3.00	3.20	1.70	2.26	3.27	2.21	2.89	4.13
18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	3.20	3.40	1.96	2.63	3.87	2.44	3.21	4.63
13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	6.00	6.40	5.36	7.35	†10.60	5.43	7.24	†10.00
14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	5.20	5.60	4.42	6.07	9.04	4.66	6.24	8.96
14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	5.60	6.00	4.90	6.72	9.86	5.07	6.78	9.61
15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	4.60	5.00	3.73	5.12	7.75	4.03	5.39	7.87
15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	4.80	5.20	3.97	5.45	8.22	4.24	5.68	8.25
16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	4.20	4.60	3.24	4.44	6.74	3.60	4.81	7.06
12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	6.40	7.00	5.85	8.01	†11.40	5.87	7.82	†10.70
17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	3.60	4.00	2.49	3.39	5.12	2.94	3.91	5.73
16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	3.80	4.20	2.75	3.74	5.67	3.16	4.21	6.19
17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	3.40	3.80	2.24	3.03	4.54	2.71	3.60	5.26
14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	5.00	5.60	4.21	5.79	8.68	4.45	5.96	8.61
18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	3.00	3.40	1.76	2.35	3.44	2.25	2.97	4.28
17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	3.20	3.60	2.02	2.72	4.04	2.49	3.28	4.78
15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	4.60	5.20	3.76	5.16	7.83	4.03	5.39	7.87
16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	4.20	4.80	3.27	4.48	6.83	3.65	4.88	7.20
16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	4.00	4.60	3.02	4.13	6.30	3.43	4.59	6.77
13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	5.60	6.40	4.95	6.80	10.00	5.12	6.85	9.75
14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.9	23.4	23.9	24.4	24.9	5.20	6.00	4.48	6.16	9.21	4.71	6.31	9.10
17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	3.40	4.00	2.30	3.12	4.72	2.76	3.67	5.41
17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	3.60	4.20	2.55	3.48	5.29	2.99	3.98	5.88
15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	4.80	5.60	4.03	5.54	8.40	4.29	5.75	8.39
12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	6.00	7.00	5.45	7.48	†10.90	5.53	7.38	†10.30
17.6	18.1	18.6	19.1	19.6	20.1	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	3.20	3.80	2.05	2.76	4.13	2.53	3.36	4.92
11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	7.00	8.20	6.59	8.99	†	6.50	8.64	†
18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	3.00	3.60	1.79	2.40	3.52	2.30	3.04	4.42
15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	4.20	5.00	3.30	4.52	6.92	3.65	4.88	7.20
16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	4.00	4.80	3.05	4.18	6.39	3.43	4.59	6.77
14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	5.00	6.00	4.27	5.87	8.85	4.50	6.03	8.76
16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	3.80	4.60	2.80	3.83	5.85	3.21	4.29	6.33
15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	4.60	5.60	3.79	5.21	7.92	4.13	5.54	8.15

Key to correction factors: 0.9 1.0

† Rim speed higher than 7,000 feet per minute. See Page 218.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 14

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																										
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	A67 AX67	A68 AX68	A69 AX69	A70 AX70	A71 AX71	A72 AX72	A73 AX73	A74 AX74	A75 AX75	A76 AX76	A77 AX77	A78 AX78	A79 AX79	A80 AX80	A81 AX81	A82 AX82	A83	A84	A85 AX85	A86 AX86	A87 AX87	A88 AX88	A89	A90 AX90	A91 AX91
1160	1750	3450	3.00	3.00	1.00	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.4
1160	1750	3450	3.20	3.20	1.00	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1
1160	1750	3450	3.40	3.40	1.00	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8
1160	1750	3450	3.60	3.60	1.00	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5
1160	1750	3450	3.80	3.80	1.00	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2
1160	1750	3450	4.00	4.00	1.00	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9
1160	1750	3450	4.20	4.20	1.00	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6
1160	1750	3450	4.60	4.60	1.00	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9
1160	1750	3450	4.80	4.80	1.00	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6
1160	1750	3450	5.00	5.00	1.00	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3
1160	1750	3450	5.20	5.20	1.00	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0
1160	1750	3450	5.60	5.60	1.00	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4
1160	1750	3450	6.00	6.00	1.00	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7
1160	1750	3450	6.40	6.40	1.00	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1
1160	1750	3450	7.00	7.00	1.00	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2
1115	1683	3317	4.60	4.80	1.04	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8
1115	1683	3317	4.80	5.00	1.04	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5
1115	1683	3317	5.00	5.20	1.04	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1
1105	1667	3286	3.40	3.60	1.05	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7
1105	1667	3286	3.60	3.80	1.05	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3
1105	1667	3286	3.80	4.00	1.05	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
1105	1667	3286	4.00	4.20	1.05	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7
1094	1651	3255	3.00	3.20	1.06	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.3
1094	1651	3255	3.20	3.40	1.06	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0
1094	1651	3255	6.00	6.40	1.06	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4
1084	1636	3224	5.20	5.60	1.07	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7
1084	1636	3224	5.60	6.00	1.07	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0
1074	1620	3194	4.60	5.00	1.08	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6
1074	1620	3194	4.80	5.20	1.08	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3
1064	1606	3165	4.20	4.60	1.09	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2
1064	1606	3165	6.40	7.00	1.09	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6
1055	1591	3136	3.60	4.00	1.10	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2
1055	1591	3136	3.80	4.20	1.10	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9
1045	1577	3108	3.40	3.80	1.11	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5
1045	1577	3108	5.00	5.60	1.11	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8
1036	1562	3080	3.00	3.40	1.12	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1
1036	1562	3080	3.20	3.60	1.12	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8
1036	1562	3080	4.60	5.20	1.12	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5
1027	1549	3053	4.20	4.80	1.13	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1
1018	1535	3026	4.00	4.60	1.14	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4
1018	1535	3026	5.60	6.40	1.14	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7
1009	1522	3000	5.20	6.00	1.15	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4
1000	1509	2974	3.40	4.00	1.16	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3
1000	1509	2974	3.60	4.20	1.16	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
1000	1509	2974	4.80	5.60	1.16	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0
1000	1509	2974	6.00	7.00	1.16	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9
991	1496	2949	3.20	3.80	1.17	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7
991	1496	2949	7.00	8.20	1.17	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2
983	1483	2924	3.00	3.60	1.18	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0
983	1483	2924	4.20	5.00	1.18	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9
975	1471	2899	4.00	4.80	1.19	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2
975	1471	2899	5.00	6.00	1.19	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5
967	1458	2875	3.80	4.60	1.20	27.5	28.0	28.5	29.0	29.5	30.0	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6
959	1446	2851	4.60	5.60	1.21	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1

Key to correction factors: 1.0 1.1

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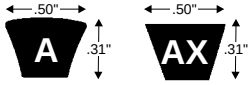
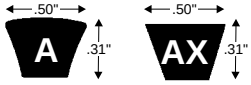


V-Belt No. and Center Distance																												Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																														Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
A92 AX92	A93 AX93	A94 AX94	A95	A96 AX96	A97 AX97	A98 AX98	A100	A103 AX103	A105 AX105	A110 AX110	A112 AX112	A115	A120 AX120	A124	A128 AX128	A133	A136	A144 AX144	A158	A173 AX173	A180	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
41.9	42.4	42.9	43.4	43.9	44.4	44.9	45.9	47.4	48.4	50.9	51.9	53.4	55.9	57.9	59.9	62.4	63.9	67.9	74.9	82.4	85.9	3.00	3.00	1.62	2.13	3.01	2.16	2.82	3.99
41.6	42.1	42.6	43.1	43.6	44.1	44.6	45.6	47.1	48.1	50.6	51.6	53.1	55.6	57.6	59.6	62.1	63.6	67.6	74.6	82.1	85.6	3.20	3.20	1.87	2.50	3.61	2.39	3.14	4.49
41.3	41.8	42.3	42.8	43.3	43.8	44.3	45.3	46.8	47.8	50.3	51.3	52.8	55.3	57.3	59.3	61.8	63.3	67.3	74.3	81.8	85.3	3.40	3.40	2.13	2.86	4.20	2.62	3.45	4.97
41.0	41.5	42.0	42.5	43.0	43.5	44.0	45.0	46.5	47.5	50.0	51.0	52.5	55.0	57.0	59.0	61.5	63.0	67.0	74.0	81.5	85.0	3.60	3.60	2.38	3.21	4.77	2.84	3.76	5.44
40.7	41.2	41.7	42.2	42.7	43.2	43.7	44.7	46.2	47.2	49.7	50.7	52.2	54.7	56.7	58.7	61.2	62.7	66.7	73.7	81.2	84.7	3.80	3.80	2.63	3.57	5.33	3.07	4.07	5.90
40.4	40.9	41.4	41.9	42.4	42.9	43.4	44.4	45.9	46.9	49.4	50.4	51.9	54.4	56.4	58.4	60.9	62.4	66.4	73.4	80.9	84.4	4.00	4.00	2.88	3.92	5.87	3.29	4.37	6.34
40.1	40.6	41.1	41.6	42.1	42.6	43.1	44.1	45.6	46.6	49.1	50.1	51.6	54.1	56.1	58.1	60.6	62.1	66.1	73.1	80.6	84.1	4.20	4.20	3.13	4.26	6.40	3.50	4.67	6.77
39.4	39.9	40.4	40.9	41.4	41.9	42.4	43.4	44.9	45.9	48.4	49.4	50.9	53.4	55.4	57.4	59.9	61.4	65.4	72.4	79.9	83.4	4.60	4.60	3.62	4.94	7.40	3.94	5.25	7.58
39.1	39.6	40.1	40.6	41.1	41.6	42.1	43.1	44.6	45.6	48.1	49.1	50.6	53.1	55.1	57.1	59.6	61.1	65.1	72.1	79.6	83.1	4.80	4.80	3.86	5.28	7.88	4.15	5.53	7.96
38.8	39.3	39.8	40.3	40.8	41.3	41.8	42.8	44.3	45.3	47.8	48.8	50.3	52.8	54.8	56.8	59.3	60.8	64.8	71.8	79.3	82.8	5.00	5.00	4.10	5.61	8.34	4.36	5.81	8.32
38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.5	44.0	45.0	47.5	48.5	50.0	52.5	54.5	56.5	59.0	60.5	64.5	71.5	79.0	82.5	5.20	5.20	4.34	5.94	8.78	4.57	6.09	8.67
37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.9	43.4	44.4	46.9	47.9	49.4	51.9	53.9	55.9	58.4	59.9	63.9	70.9	78.4	81.9	5.60	5.60	4.81	6.59	9.60	4.98	6.63	9.32
37.2	37.7	38.2	38.7	39.2	39.7	40.2	41.2	42.7	43.7	46.2	47.2	48.7	51.2	53.2	55.2	57.7	59.2	63.2	70.2	77.7	81.2	6.00	6.00	5.28	7.22	†10.30	5.38	7.16	†9.90
36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.6	42.1	43.1	45.6	46.6	48.1	50.6	52.6	54.6	57.1	58.6	62.6	69.6	77.1	80.6	6.40	6.40	5.74	7.84	†11.00	5.78	7.68	†10.40
35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.7	41.2	42.2	44.7	45.7	47.2	49.7	51.7	53.7	56.2	57.7	61.7	68.7	76.2	79.7	7.00	7.00	6.42	8.73	†	6.36	8.42	†
39.3	39.8	40.3	40.8	41.3	41.8	42.3	43.3	44.8	45.8	48.3	49.3	50.8	53.3	55.3	57.3	59.8	61.3	65.3	72.3	79.8	83.3	4.60	4.80	3.67	5.03	7.58	3.98	5.32	7.72
39.0	39.5	40.0	40.5	41.0	41.5	42.0	43.0	44.5	45.5	48.0	49.0	50.5	53.0	55.0	57.0	59.5	61.0	65.0	72.0	79.5	83.0	4.80	5.00	3.92	5.37	8.05	4.20	5.61	8.10
38.6	39.1	39.6	40.1	40.6	41.1	41.6	42.6	44.1	45.1	47.6	48.6	50.1	52.6	54.6	56.6	59.1	60.6	64.6	71.6	79.1	82.6	5.00	5.20	4.16	5.70	8.51	4.41	5.89	8.47
41.2	41.7	42.2	42.7	43.2	43.7	44.2	45.2	46.7	47.7	50.2	51.2	52.7	55.2	57.2	59.2	61.7	63.2	67.2	74.2	81.7	85.2	3.40	3.60	2.18	2.95	4.37	2.67	3.53	5.12
40.8	41.3	41.8	42.3	42.8	43.3	43.8	44.8	46.3	47.3	49.8	50.8	52.3	54.8	56.8	58.8	61.3	62.8	66.8	73.8	81.3	84.8	3.60	3.80	2.44	3.30	4.95	2.89	3.84	5.59
40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.5	46.0	47.0	49.5	50.5	52.0	54.5	56.5	58.5	61.0	62.5	66.5	73.5	81.0	84.5	3.80	4.00	2.69	3.65	5.50	3.11	4.14	6.05
40.2	40.7	41.2	41.7	42.2	42.7	43.2	44.2	45.7	46.7	49.2	50.2	51.7	54.2	56.2	58.2	60.7	62.2	66.2	73.2	80.7	84.2	4.00	4.20	2.94	4.00	6.05	3.33	4.44	6.49
41.8	42.3	42.8	43.3	43.8	44.3	44.8	45.8	47.3	48.3	50.8	51.8	53.3	55.8	57.8	59.8	62.3	63.8	67.8	74.8	82.3	85.8	3.00	3.20	1.70	2.26	3.27	2.21	2.89	4.13
41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.5	47.0	48.0	50.5	51.5	53.0	55.5	57.5	59.5	62.0	63.5	67.5	74.5	82.0	85.5	3.20	3.40	1.96	2.63	3.87	2.44	3.21	4.63
36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.9	42.4	43.4	45.9	46.9	48.4	50.9	52.9	54.9	57.4	58.9	62.9	69.9	77.4	80.9	6.00	6.40	5.36	7.35	†10.60	5.43	7.24	†10.00
38.2	38.7	39.2	39.7	40.2	40.7	41.2	42.2	43.7	44.7	47.2	48.2	49.7	52.2	54.2	56.2	58.7	60.2	64.2	71.2	78.7	82.2	5.20	5.60	4.42	6.07	9.04	4.66	6.24	8.96
37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.5	43.0	44.0	46.5	47.5	49.0	51.5	53.5	55.5	58.0	59.5	63.5	70.5	78.0	81.5	5.60	6.00	4.90	6.72	9.86	5.07	6.78	9.61
39.1	39.6	40.1	40.6	41.1	41.6	42.1	43.1	44.6	45.6	48.1	49.1	50.6	53.1	55.1	57.1	59.6	61.1	65.1	72.1	79.6	83.1	4.60	5.00	3.73	5.12	7.75	4.03	5.39	7.87
38.8	39.3	39.8	40.3	40.8	41.3	41.8	42.8	44.3	45.3	47.8	48.8	50.3	52.8	54.8	56.8	59.3	60.8	64.8	71.8	79.3	82.8	4.80	5.20	3.97	5.45	8.22	4.24	5.68	8.25
39.7	40.2	40.7	41.2	41.7	42.2	42.7	43.7	45.2	46.2	48.7	49.7	51.2	53.7	55.7	57.7	60.2	61.7	65.7	72.7	80.2	83.7	4.20	4.60	3.24	4.44	6.74	3.60	4.81	7.06
36.1	36.6	37.1	37.6	38.1	38.6	39.1	40.1	41.6	42.6	45.1	46.1	47.6	50.1	52.1	54.1	56.6	58.1	62.1	69.1	76.6	80.1	6.40	7.00	5.85	8.01	†11.40	5.87	7.82	†10.70
40.7	41.2	41.7	42.2	42.7	43.2	43.7	44.7	46.2	47.2	49.7	50.7	52.2	54.7	56.7	58.7	61.2	62.7	66.7	73.7	81.2	84.7	3.60	4.00	2.49	3.39	5.12	2.94	3.91	5.73
40.4	40.9	41.4	41.9	42.4	42.9	43.4	44.4	45.9	46.9	49.4	50.4	51.9	54.4	56.4	58.4	60.9	62.4	66.4	73.4	80.9	84.4	3.80	4.20	2.75	3.74	5.67	3.16	4.21	6.19
41.0	41.5	42.0	42.5	43.0	43.5	44.0	45.0	46.5	47.5	50.0	51.0	52.5	55.0	57.0	59.0	61.5	63.0	67.0	74.0	81.5	85.0	3.40	3.80	2.24	3.03	4.54	2.71	3.60	5.26
38.3	38.8	39.3	39.8	40.3	40.8	41.3	42.3	43.8	44.8	47.3	48.3	49.8	52.3	54.3	56.3	58.8	60.3	64.3	71.3	78.8	82.3	5.00	5.60	4.21	5.79	8.68	4.45	5.96	8.61
41.6	42.1	42.6	43.1	43.6	44.1	44.6	45.6	47.1	48.1	50.6	51.6	53.1	55.6	57.6	59.6	62.1	63.6	67.6	74.6	82.1	85.6	3.00	3.40	1.76	2.35	3.44	2.25	2.97	4.28
41.3	41.8	42.3	42.8	43.3	43.8	44.3	45.3	46.8	47.8	50.3	51.3	52.8	55.3	57.3	59.3	61.8	63.3	67.3	74.3	81.8	85.3	3.20	3.60	2.02	2.72	4.04	2.49	3.28	4.78
39.0	39.5	40.0	40.5	41.0	41.5	42.0	43.0	44.5	45.5	48.0	49.0	50.5	53.0	55.0	57.0	59.5	61.0	65.0	72.0	79.5	83.0	4.60	5.20	3.76	5.16	7.83	4.03	5.39	7.87
39.6	40.1	40.6	41.1	41.6	42.1	42.6	43.6	45.1	46.1	48.6	49.6	51.1	53.6	55.6	57.6	60.1	61.6	65.6	72.6	80.1	83.6	4.20	4.80	3.27	4.48	6.83	3.65	4.88	7.20
39.9	40.4	40.9	41.4	41.9	42.4	42.9	43.9	45.4	46.4	48.9	49.9	51.4	53.9	55.9	57.9	60.4	61.9	65.9	72.9	80.4	83.9	4.00	4.60	3.02	4.13	6.30	3.43	4.59	6.77
37.2	37.7	38.2	38.7	39.2	39.7	40.2	41.2	42.7	43.7	46.2	47.2	48.7	51.2	53.2	55.2	57.7	59.2	63.2	70.2	77.7	81.2	5.60	6.40	4.95	6.80	10.00	5.12	6.85	9.75
37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.9	43.4	44.4	46.9	47.9	49.4	51.9	53.9	55.9	58.4	59.9	63.9	70.9	78.4	81.9	5.20	6.00	4.48	6.16	9.21	4.71	6.31	9.10
40.8	41.3	41.8	42.3	42.8	43.3	43.8	44.8	46.3	47.3	49.8	50.8	52.3	54.8	56.8	58.8	61.3	62.8	66.8	73.8	81.3	84.8	3.40	4.00	2.30	3.12	4.72	2.76	3.67	5.41
40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.5	46.0	47.0	49.5	50.5	52.0	54.5	56.5	58.5	61.0	62.5	66.5	73.5	81.0	84.5	3.60	4.20	2.55	3.48	5.29	2.99	3.98	5.88
38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.5	44.0	45.0	47.5	48.5	50.0	52.5	54.5	56.5	59.0	60.5	64.5	71.5	79.0	82.5	4.80	5.60	4.03	5.54	8.40	4.29	5.75	8.39
36.4	36.9	37.4	37.9	38.4	38.9	39.4	40.4	41.9	42.9	45.4	46.4	47.9	50.4	52.4	54.4	56.9	58.4	62.4	69.4	76.9	80.4	6.00	7.00	5.45	7.48	†10.90	5.53	7.38	†10.30
41.2	41.7	42.2	42.7	43.2	43.7	44.2	45.2	46.7	47.7	50.2	51.2	52.7	55.2	57.2	59.2	61.7	63.2	67.2	74.2	81.7	85.2	3.20	3.80	2.05	2.76	4.13	2.53	3.36	4.92
34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.7	40.2	41.2	43.7	44.7	46.2	48.7	50.7	52.7	55.2	56.7	60.7	67.7	75.2	78.7	7.00	8.20	6.59	8.99	†	6.50	8.64	†
41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.5	47.0	48.0	50.5	51.5	53.0	55.5	57.5	59.5	62.0	63.5	67.5	74.5	82.0	85.5	3.00	3.60	1.79	2.40	3.52	2.30	3.04	4.42
39.4	39.9	40.4	40.9	41.4	41.9	42.4	43.4	44.9	45.9	48.4	49.4	50.9	53.4	55.4	57.4	59.9	61.4	65.4	72.4	79.9	83.4	4.20	5.00	3.30	4.52	6.92	3.65	4.88	7.20
39.7	40.2	40.7	41.2	41.7	42.2	42.7	43.7	45.2	46.2	48.7	49.7	51.2	53.7	55.7	57.7	60.2	61.7	65.7	72.7	80.2	83.7	4.00	4.80	3.05	4.18	6.39	3.43	4.59	6.77
38.0	38.5	39.0	39.5	40.0	40.5	41.0	42.0	43.5	44.5	47.0	48.0	49.5	52.0	54.0	56.0	58.5	60.0	64.0	71.0	78.5	82.0	5.00	6.00	4.27	5.87	8.85	4.50	6.03	8.76
40.1	40.6	41.1	41.6	42.1	42.6	43.1	44.1	45.6	46.6	49.1	50.1	51.6	54.1	56.1	58.1	60.6	62.1	66.1	73.1	80.6	84.1	3.80	4.60	2.80	3.83	5.85	3.21	4.29	6.33
38.6	39.1	39.6	40.1	40.6	41.1	41.6	42.6	44.1	45.1	47.6	48.6	50.1	52.6	54.6	56.6	59.1	60.6	64.6	71.6	79.1	82.6	4.60	5.60	3.79	5.21	7.92	4.13	5.54	8.15

Key to correction factors: 1.1 1.2 1.3

† Rim speed higher than 7,000 feet per minute. See Page 218.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 14

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																											
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	AX21	AX22	AX23	A24 AX24	A25	A26 AX26	A27 AX27	A28	A29 AX29	A29.8	A30	A31 AX31	A32 AX32	A33 AX33	A34 AX34	A35 AX35	A36 AX36	A37 AX37	A38 AX38	A39	A40 AX40	A41	A42 AX42	A43 AX43	A44			
951	1434	2828	3.40	4.20	1.22		5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.6	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7			
951	1434	2828	4.20	5.20	1.22						6.2	6.7	7.3	7.8	8.2	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3			
951	1434	2828	5.20	6.40	1.22													7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5			
943	1423	2805	3.20	4.00	1.23	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	9.9	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0			
935	1411	2782	4.00	5.00	1.24					6.1	6.6	7.1	7.6	8.1	8.5	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6			
935	1411	2782	4.80	6.00	1.24										7.0	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2			
935	1411	2782	5.60	7.00	1.24																8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7			
928	1400	2760	3.00	3.80	1.25	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.2	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3			
928	1400	2760	3.80	4.80	1.25				5.9	6.4	6.9	7.4	7.9	8.4	8.8	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9			
921	1389	2738	3.60	4.60	1.26			5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.1	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2			
913	1378	2717	5.00	6.40	1.27												7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7			
913	1378	2717	6.40	8.20	1.27																					9.1	9.6	10.1	10.6	11.1			
906	1367	2695	4.00	5.20	1.28						6.4	6.9	7.4	7.9	8.3	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4			
906	1367	2695	7.00	9.00	1.28																								9.5	10.0			
899	1357	2674	3.20	4.20	1.29	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.7	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8			
899	1357	2674	4.60	6.00	1.29									6.8	7.2	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3			
892	1346	2654	3.80	5.00	1.30					6.2	6.7	7.2	7.7	8.2	8.6	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7			
885	1336	2634	3.00	4.00	1.31	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.0	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1			
885	1336	2634	3.60	4.80	1.31				6.0	6.5	7.0	7.5	8.0	8.5	8.9	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0			
885	1336	2634	4.20	5.60	1.31							6.4	6.9	7.4	7.8	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9			
879	1326	2614	4.80	6.40	1.32												7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8			
872	1316	2594	3.40	4.60	1.33			5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.2	9.3	9.8	10.3	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4			
872	1316	2594	5.20	7.00	1.33															8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0			
859	1296	2556	3.80	5.20	1.35					6.0	6.5	7.0	7.5	8.1	8.5	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6			
859	1296	2556	6.00	8.20	1.35																				8.9	9.4	9.9	10.4	10.9	11.4			
853	1287	2537	3.60	5.00	1.36				5.9	6.4	6.9	7.4	7.9	8.4	8.8	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9			
847	1277	2518	3.00	4.20	1.37	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	9.9	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0			
847	1277	2518	4.60	6.40	1.37											7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0			
841	1268	2500	3.40	4.80	1.38			5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.1	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2			
841	1268	2500	4.00	5.60	1.38							6.6	7.1	7.6	8.0	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1			
841	1268	2500	5.00	7.00	1.38														7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2			
835	1259	2482	6.40	9.00	1.39																							9.5	10.0	10.5			
829	1250	2464	4.20	6.00	1.40								6.6	7.1	7.5	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6			
823	1241	2447	3.20	4.60	1.41		5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.4	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5			
817	1232	2430	3.60	5.20	1.42					6.2	6.7	7.2	7.7	8.2	8.6	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7			
806	1215	2396	3.40	5.00	1.44				6.0	6.5	7.0	7.5	8.0	8.5	8.9	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0			
806	1215	2396	3.80	5.60	1.44						6.2	6.7	7.2	7.7	8.1	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2			
806	1215	2396	4.80	7.00	1.44														7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3			
806	1215	2396	5.60	8.20	1.44																			8.7	9.2	9.7	10.2	10.7	11.2	11.7			
795	1199	2363	3.20	4.80	1.46			5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.2	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3			
789	1190	2347	4.00	6.00	1.47								6.7	7.2	7.6	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8			
784	1182	2331	6.00	9.00	1.48																						9.2	9.8	10.3	10.8			
779	1174	2315	3.00	4.60	1.49		5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.5	9.6	10.1	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7			
779	1174	2315	3.40	5.20	1.49				5.8	6.3	6.8	7.3	7.8	8.3	8.7	8.8	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9			
779	1174	2315	4.20	6.40	1.49										7.1	7.2	7.7	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3			
779	1174	2315	4.60	7.00	1.49													7.4	7.9	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5			
773	1167	2300	7.00	10.60	1.50																												
763	1151	2270	3.20	5.00	1.52			5.6	6.1	6.6	7.2	7.7	8.2	8.7	9.1	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2			
763	1151	2270	3.60	5.60	1.52						6.3	6.9	7.4	7.9	8.3	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4			
753	1136	2240	3.80	6.00	1.54							6.4	6.9	7.4	7.8	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9			
748	1129	2226	3.00	4.80	1.55		5.4	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.4	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5			
748	1129	2226	5.20	8.20	1.55																		8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0			
744	1122	2212	4.00	6.40	1.56									6.9	7.3	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4			
734	1108	2184	3.20	5.20	1.58				6.0	6.5	7.0	7.5	8.0	8.5	8.9	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0			

Key to correction factors: 0.7 0.8 0.9

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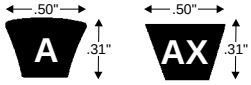
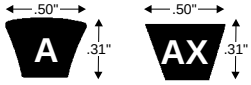


V-Belt No. and Center Distance																							Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																									Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
A45 AX45	A46 AX46	A47 AX47	A48 AX48	A49 AX49	A50 AX50	A51 AX51	A52 AX52	A53 AX53	A54 AX54	A55 AX55	A56 AX56	A57 AX57	A58	A59 AX59	A60 AX60	A61 AX61	A62 AX62	A63 AX63	A64 AX64	A65 AX65	A66 AX66	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	3.40	4.20	2.33	3.16	4.80	2.81	3.74	5.55
15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	4.20	5.20	3.33	4.57	7.00	3.70	4.96	7.35
14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	5.20	6.40	4.54	6.24	9.38	4.76	6.38	9.25
17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	3.20	4.00	2.07	2.80	4.21	2.58	3.43	5.06
16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	4.00	5.00	3.08	4.22	6.47	3.48	4.66	6.92
14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	4.80	6.00	4.06	5.58	8.48	4.34	5.82	8.53
13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	5.60	7.00	5.01	6.89	10.20	5.17	6.93	9.90
17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	3.00	3.80	1.82	2.44	3.61	2.35	3.11	4.56
16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	3.80	4.80	2.83	3.87	5.93	3.26	4.36	6.48
16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	3.60	4.60	2.58	3.52	5.37	3.04	4.05	6.02
14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	5.00	6.40	4.30	5.92	8.94	4.55	6.11	8.90
11.6	12.1	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	6.40	8.20	5.94	8.14	†11.60	5.97	7.97	†11.00
15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	4.00	5.20	3.08	4.22	6.47	3.48	4.66	6.92
10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	7.00	9.00	6.62	9.04	†	6.55	8.71	†
17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	3.20	4.20	2.07	2.80	4.21	2.58	3.43	5.06
14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	4.60	6.00	3.82	5.25	8.00	4.13	5.54	8.15
16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	3.80	5.00	2.83	3.87	5.93	3.31	4.43	6.62
17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	3.00	4.00	1.82	2.44	3.61	2.40	3.19	4.71
16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	3.60	4.80	2.58	3.52	5.37	3.08	4.13	6.16
15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	4.20	5.60	3.33	4.57	7.00	3.75	5.03	7.49
14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	4.80	6.40	4.09	5.63	8.57	4.39	5.90	8.68
16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	3.40	4.60	2.36	3.21	4.89	2.86	3.82	5.69
13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.6	23.1	23.6	24.1	5.20	7.00	4.57	6.29	9.47	4.81	6.46	9.39
16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	3.80	5.20	2.86	3.92	6.02	3.31	4.43	6.62
11.9	12.4	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	6.00	8.20	5.51	7.57	†11.00	5.62	7.53	†10.60
16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	3.60	5.00	2.61	3.56	5.46	3.08	4.13	6.16
17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	3.00	4.20	1.85	2.48	3.70	2.40	3.19	4.71
14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	4.60	6.40	3.85	5.29	8.09	4.18	5.61	8.30
16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	3.40	4.80	2.36	3.21	4.89	2.86	3.82	5.69
15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	4.00	5.60	3.11	4.27	6.56	3.53	4.73	7.06
13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	5.00	7.00	4.33	5.96	9.03	4.60	6.18	9.04
11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	6.40	9.00	5.97	8.18	†11.70	6.02	8.04	†11.10
15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	4.20	6.00	3.36	4.61	7.09	3.75	5.03	7.49
17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	3.20	4.60	2.10	2.85	4.30	2.63	3.50	5.21
16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	3.60	5.20	2.61	3.56	5.46	3.08	4.13	6.16
16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	3.40	5.00	2.36	3.21	4.89	2.91	3.89	5.84
15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.8	24.3	24.8	25.3	25.8	26.3	3.80	5.60	2.86	3.92	6.02	3.36	4.51	6.76
13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	4.80	7.00	4.09	5.63	8.57	4.44	5.97	8.82
12.2	12.7	13.2	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	5.60	8.20	5.04	6.94	10.30	5.27	7.07	10.20
16.8	17.3	17.8	18.3	18.8	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	3.20	4.80	2.10	2.85	4.30	2.68	3.58	5.35
15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	4.00	6.00	3.11	4.27	6.56	3.58	4.81	7.21
11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	6.00	9.00	5.51	7.57	†11.00	5.67	7.60	†10.80
17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	3.00	4.60	1.85	2.48	3.70	2.45	3.26	4.85
16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	3.40	5.20	2.36	3.21	4.89	2.91	3.89	5.84
14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	4.20	6.40	3.36	4.61	7.09	3.80	5.10	7.63
14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	4.60	7.00	3.85	5.29	8.09	4.23	5.69	8.44
			10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	7.00	10.60	6.68	9.13	†	6.65	8.86	†
16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	3.20	5.00	2.13	2.89	4.38	2.68	3.58	5.35
15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	3.60	5.60	2.64	3.61	5.55	3.13	4.20	6.31
15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	3.80	6.00	2.89	3.96	6.10	3.36	4.51	6.76
17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	3.00	4.80	1.88	2.53	3.78	2.45	3.26	4.85
12.5	13.0	13.5	14.0	14.5	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	5.20	8.20	4.60	6.33	9.55	4.86	6.53	9.54
14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	23.0	23.5	24.0	24.5	25.0	25.5	4.00	6.40	3.14	4.31	6.65	3.58	4.81	7.21
16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	3.20	5.20	2.13	2.89	4.38	2.68	3.58	5.35

Key to correction factors: 0.9 1.0

† Rim speed higher than 7,000 feet per minute. See Page 218.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 14

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																								
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	A67 AX67	A68 AX68	A69 AX69	A70 AX70	A71 AX71	A72 AX72	A73 AX73	A74 AX74	A75 AX75	A76 AX76	A77 AX77	A78 AX78	A79 AX79	A80 AX80	A81 AX81	A82 AX82	A83	A84	A85 AX85	A86 AX86	A87 AX87	A88 AX88	A89	A90 AX90	A91 AX91
951	1434	2828	3.40	4.20	1.22	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2
951	1434	2828	4.20	5.20	1.22	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8
951	1434	2828	5.20	6.40	1.22	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0
943	1423	2805	3.20	4.00	1.23	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5
935	1411	2782	4.00	5.00	1.24	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1
935	1411	2782	4.80	6.00	1.24	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7
935	1411	2782	5.60	7.00	1.24	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2
928	1400	2760	3.00	3.80	1.25	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8
928	1400	2760	3.80	4.80	1.25	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4
921	1389	2738	3.60	4.60	1.26	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7
913	1378	2717	5.00	6.40	1.27	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2
913	1378	2717	6.40	8.20	1.27	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7
906	1367	2695	4.00	5.20	1.28	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9
906	1367	2695	7.00	9.00	1.28	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6
899	1357	2674	3.20	4.20	1.29	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3
899	1357	2674	4.60	6.00	1.29	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8
892	1346	2654	3.80	5.00	1.30	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2
885	1336	2634	3.00	4.00	1.31	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6
885	1336	2634	3.60	4.80	1.31	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5
885	1336	2634	4.20	5.60	1.31	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4
879	1326	2614	4.80	6.40	1.32	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3
872	1316	2594	3.40	4.60	1.33	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9
872	1316	2594	5.20	7.00	1.33	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6
859	1296	2556	3.80	5.20	1.35	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1
859	1296	2556	6.00	8.20	1.35	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0
853	1287	2537	3.60	5.00	1.36	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4
847	1277	2518	3.00	4.20	1.37	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5
847	1277	2518	4.60	6.40	1.37	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5
841	1268	2500	3.40	4.80	1.38	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7
841	1268	2500	4.00	5.60	1.38	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6
841	1268	2500	5.00	7.00	1.38	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7
835	1259	2482	6.40	9.00	1.39	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0
829	1250	2464	4.20	6.00	1.40	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1
823	1241	2447	3.20	4.60	1.41	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
817	1232	2430	3.60	5.20	1.42	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2
806	1215	2396	3.40	5.00	1.44	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5
806	1215	2396	3.80	5.60	1.44	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8
806	1215	2396	4.80	7.00	1.44	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9
806	1215	2396	5.60	8.20	1.44	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3
795	1199	2363	3.20	4.80	1.46	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9
789	1190	2347	4.00	6.00	1.47	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3
784	1182	2331	6.00	9.00	1.48	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3
779	1174	2315	3.00	4.60	1.49	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2
779	1174	2315	3.40	5.20	1.49	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4
779	1174	2315	4.20	6.40	1.49	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8
779	1174	2315	4.60	7.00	1.49	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0
773	1167	2300	7.00	10.60	1.50	20.2	20.7	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3
763	1151	2270	3.20	5.00	1.52	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7
763	1151	2270	3.60	5.60	1.52	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9
753	1136	2240	3.80	6.00	1.54	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4
748	1129	2226	3.00	4.80	1.55	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
748	1129	2226	5.20	8.20	1.55	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6
744	1122	2212	4.00	6.40	1.56	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0
734	1108	2184	3.20	5.20	1.58	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5

Key to correction factors: 1.0 | 1.1

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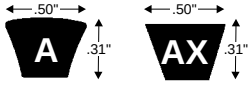
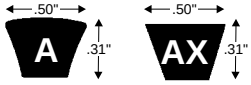


V-Belt No. and Center Distance																												Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																														Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
A92 AX92	A93 AX93	A94 AX94	A95	A96 AX96	A97 AX97	A98 AX98	A100	A103 AX103	A105 AX105	A110 AX110	A112 AX112	A115	A120 AX120	A124	A128 AX128	A133	A136	A144 AX144	A158	A173 AX173	A180	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
40.7	41.2	41.7	42.2	42.7	43.2	43.7	44.7	46.2	47.2	49.7	50.7	52.2	54.7	56.7	58.7	61.2	62.7	66.7	73.7	81.2	84.7	3.40	4.20	2.33	3.16	4.80	2.81	3.74	5.55
39.3	39.8	40.3	40.8	41.3	41.8	42.3	43.3	44.8	45.8	48.3	49.3	50.8	53.3	55.3	57.3	59.8	61.3	65.3	72.3	79.8	83.3	4.20	5.20	3.33	4.57	7.00	3.70	4.96	7.35
37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.5	43.0	44.0	46.5	47.5	49.0	51.5	53.5	55.5	58.0	59.5	63.5	70.5	78.0	81.5	5.20	6.40	4.54	6.24	9.38	4.76	6.38	9.25
41.0	41.5	42.0	42.5	43.0	43.5	44.0	45.0	46.5	47.5	50.0	51.0	52.5	55.0	57.0	59.0	61.5	63.0	67.0	74.0	81.5	85.0	3.20	4.00	2.07	2.80	4.21	2.58	3.43	5.06
39.6	40.1	40.6	41.1	41.6	42.1	42.6	43.6	45.1	46.1	48.6	49.6	51.1	53.6	55.6	57.6	60.1	61.6	65.6	72.6	80.1	83.6	4.00	5.00	3.08	4.22	6.47	3.48	4.66	6.92
38.2	38.7	39.2	39.7	40.2	40.7	41.2	42.2	43.7	44.7	47.2	48.2	49.7	52.2	54.2	56.2	58.7	60.2	64.2	71.2	78.7	82.2	4.80	6.00	4.06	5.58	8.48	4.34	5.82	8.53
36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.7	42.2	43.2	45.7	46.7	48.2	50.7	52.7	54.7	57.2	58.7	62.8	69.8	77.3	80.8	5.60	7.00	5.01	6.89	10.20	5.17	6.93	9.90
41.3	41.8	42.3	42.8	43.3	43.8	44.3	45.3	46.8	47.8	50.3	51.3	52.8	55.3	57.3	59.3	61.8	63.3	67.3	74.3	81.8	85.3	3.00	3.80	1.82	2.44	3.61	2.35	3.11	4.56
39.9	40.4	40.9	41.4	41.9	42.4	42.9	43.9	45.4	46.4	48.9	49.9	51.4	53.9	55.9	57.9	60.4	61.9	65.9	72.9	80.4	83.9	3.80	4.80	2.83	3.87	5.93	3.26	4.36	6.48
40.2	40.7	41.2	41.7	42.2	42.7	43.2	44.2	45.7	46.7	49.2	50.2	51.7	54.2	56.2	58.2	60.7	62.2	66.2	73.2	80.7	84.2	3.60	4.60	2.58	3.52	5.37	3.04	4.05	6.02
37.7	38.2	38.7	39.2	39.7	40.2	40.7	41.7	43.2	44.2	46.7	47.7	49.2	51.7	53.7	55.7	58.2	59.7	63.7	70.7	78.2	81.7	5.00	6.40	4.30	5.92	8.94	4.55	6.11	8.90
35.2	35.7	36.2	36.7	37.2	37.7	38.2	39.2	40.7	41.7	44.2	45.2	46.7	49.2	51.2	53.2	55.7	57.2	61.2	68.2	75.7	79.2	6.40	8.20	5.94	8.14	†11.60	5.97	7.97	†11.00
39.4	39.9	40.4	40.9	41.4	41.9	42.4	43.4	44.9	45.9	48.4	49.4	50.9	53.4	55.4	57.4	59.9	61.4	65.4	72.4	79.9	83.4	4.00	5.20	3.08	4.22	6.47	3.48	4.66	6.92
34.1	34.6	35.1	35.6	36.1	36.6	37.1	38.1	39.6	40.6	43.1	44.1	45.6	48.1	50.1	52.1	54.6	56.1	60.1	67.1	74.6	78.1	7.00	9.00	6.62	9.04	†	6.55	8.71	†
40.8	41.3	41.8	42.3	42.8	43.3	43.8	44.8	46.3	47.3	49.8	50.8	52.3	54.8	56.8	58.8	61.3	62.8	66.8	73.8	81.3	84.8	3.20	4.20	2.07	2.80	4.21	2.58	3.43	5.06
38.3	38.8	39.3	39.8	40.3	40.8	41.3	42.3	43.8	44.8	47.3	48.3	49.8	52.3	54.3	56.3	58.8	60.3	64.3	71.3	78.8	82.3	4.60	6.00	3.82	5.25	8.00	4.13	5.54	8.15
39.7	40.2	40.7	41.2	41.7	42.2	42.7	43.7	45.2	46.2	48.7	49.7	51.2	53.7	55.7	57.7	60.2	61.7	65.7	72.7	80.2	83.7	3.80	5.00	2.83	3.87	5.93	3.31	4.43	6.62
41.1	41.6	42.1	42.6	43.1	43.6	44.1	45.1	46.6	47.6	50.1	51.1	52.6	55.1	57.2	59.2	61.7	63.2	67.2	74.2	81.7	85.2	3.00	4.00	1.82	2.44	3.61	2.40	3.19	4.71
40.0	40.5	41.0	41.5	42.0	42.5	43.0	44.0	45.5	46.5	49.0	50.0	51.5	54.0	56.0	58.0	60.5	62.0	66.0	73.1	80.6	84.1	3.60	4.80	2.58	3.52	5.37	3.08	4.13	6.16
38.9	39.4	39.9	40.4	40.9	41.4	41.9	42.9	44.4	45.4	47.9	48.9	50.4	52.9	54.9	56.9	59.4	60.9	64.9	71.9	79.5	83.0	4.20	5.60	3.33	4.57	7.00	3.75	5.03	7.49
37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.8	43.3	44.3	46.8	47.8	49.3	51.8	53.8	55.8	58.3	59.8	63.8	70.8	78.3	81.8	4.80	6.40	4.09	5.63	8.57	4.39	5.90	8.68
40.4	40.9	41.4	41.9	42.4	42.9	43.4	44.4	45.9	46.9	49.4	50.4	51.9	54.4	56.4	58.4	60.9	62.4	66.4	73.4	80.9	84.4	3.40	4.60	2.36	3.21	4.89	2.86	3.82	5.69
37.1	37.6	38.1	38.6	39.1	39.6	40.1	41.1	42.6	43.6	46.1	47.1	48.6	51.1	53.1	55.1	57.6	59.1	63.1	70.1	77.6	81.1	5.20	7.00	4.57	6.29	9.47	4.81	6.46	9.39
39.6	40.1	40.6	41.1	41.6	42.1	42.6	43.6	45.1	46.1	48.6	49.6	51.1	53.6	55.6	57.6	60.1	61.6	65.6	72.6	80.1	83.6	3.80	5.20	2.86	3.92	6.02	3.31	4.43	6.62
35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.5	41.0	42.0	44.5	45.5	47.0	49.5	51.5	53.5	56.0	57.5	61.5	68.5	76.0	79.5	6.00	8.20	5.51	7.57	†11.00	5.62	7.53	†10.60
39.9	40.4	40.9	41.4	41.9	42.4	42.9	43.9	45.4	46.4	48.9	49.9	51.4	53.9	55.9	57.9	60.4	61.9	65.9	72.9	80.4	83.9	3.60	5.00	2.61	3.56	5.46	3.08	4.13	6.16
41.0	41.5	42.0	42.5	43.0	43.5	44.0	45.0	46.5	47.5	50.0	51.0	52.5	55.0	57.0	59.0	61.5	63.0	67.0	74.0	81.5	85.0	3.00	4.20	1.85	2.48	3.70	2.40	3.19	4.71
38.0	38.5	39.0	39.5	40.0	40.5	41.0	42.0	43.5	44.5	47.0	48.0	49.5	52.0	54.0	56.0	58.5	60.0	64.0	71.0	78.5	82.0	4.60	6.40	3.85	5.29	8.09	4.18	5.61	8.30
40.2	40.7	41.2	41.7	42.2	42.7	43.2	44.2	45.7	46.7	49.2	50.2	51.7	54.2	56.2	58.2	60.7	62.2	66.2	73.2	80.7	84.2	3.40	4.80	2.36	3.21	4.89	2.86	3.82	5.69
39.1	39.6	40.1	40.6	41.1	41.6	42.1	43.1	44.6	45.6	48.1	49.1	50.6	53.1	55.1	57.1	59.6	61.1	65.1	72.1	79.6	83.1	4.00	5.60	3.11	4.27	6.56	3.53	4.73	7.06
37.2	37.7	38.2	38.7	39.2	39.7	40.2	41.2	42.7	43.7	46.2	47.2	48.7	51.2	53.2	55.2	57.7	59.2	63.2	70.2	77.7	81.2	5.00	7.00	4.33	5.96	9.03	4.60	6.18	9.04
34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.5	40.0	41.0	43.5	44.5	46.0	48.5	50.5	52.5	55.0	56.5	60.5	67.5	75.0	78.5	6.40	9.00	5.97	8.18	†11.70	6.02	8.04	†11.10
38.6	39.1	39.6	40.1	40.6	41.1	41.6	42.6	44.1	45.1	47.6	48.6	50.1	52.6	54.6	56.6	59.1	60.6	64.6	71.6	79.1	82.6	4.20	6.00	3.36	4.61	7.09	3.75	5.03	7.49
40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.5	46.0	47.0	49.5	50.5	52.0	54.5	56.5	58.5	61.0	62.5	66.5	73.5	81.0	84.5	3.20	4.60	2.10	2.85	4.30	2.63	3.50	5.21
39.7	40.2	40.7	41.2	41.7	42.2	42.7	43.7	45.2	46.2	48.7	49.7	51.2	53.7	55.7	57.7	60.2	61.7	65.7	72.7	80.2	83.7	3.60	5.20	2.61	3.56	5.46	3.08	4.13	6.16
40.0	40.5	41.0	41.5	42.0	42.5	43.0	44.0	45.5	46.5	49.0	50.0	51.5	54.0	56.0	58.0	60.5	62.0	66.0	73.0	80.5	84.0	3.40	5.00	2.36	3.21	4.89	2.91	3.89	5.84
39.3	39.8	40.3	40.8	41.3	41.8	42.3	43.3	44.8	45.8	48.3	49.3	50.8	53.3	55.3	57.3	59.8	61.3	65.3	72.3	79.8	83.3	3.80	5.60	2.86	3.92	6.02	3.36	4.51	6.76
37.4	37.9	38.4	38.9	39.4	39.9	40.4	41.4	42.9	43.9	46.4	47.4	48.9	51.4	53.4	55.4	57.9	59.4	63.4	70.4	77.9	81.4	4.80	7.00	4.09	5.63	8.57	4.44	5.97	8.82
35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.8	41.3	42.3	44.8	45.8	47.3	49.8	51.8	53.8	56.3	57.8	61.8	68.8	76.3	79.8	5.60	8.20	5.04	6.94	10.30	5.27	7.07	10.20
40.4	40.9	41.4	41.9	42.4	42.9	43.4	44.4	45.9	46.9	49.4	50.4	51.9	54.4	56.4	58.4	60.9	62.4	66.4	73.4	80.9	84.4	3.20	4.80	2.10	2.85	4.30	2.68	3.58	5.35
38.8	39.3	39.8	40.3	40.8	41.3	41.8	42.8	44.3	45.3	47.8	48.8	50.3	52.8	54.8	56.8	59.3	60.8	64.8	71.8	79.3	82.8	4.00	6.00	3.11	4.27	6.56	3.58	4.81	7.21
34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.8	40.3	41.3	43.8	44.8	46.3	48.8	50.8	52.8	55.3	56.8	60.9	67.9	75.4	78.9	6.00	9.00	5.51	7.57	†11.00	5.67	7.60	†10.80
40.7	41.2	41.7	42.2	42.7	43.2	43.7	44.7	46.2	47.2	49.7	50.7	52.2	54.7	56.7	58.7	61.2	62.7	66.7	73.7	81.2	84.7	3.00	4.60	1.85	2.48	3.70	2.45	3.26	4.85
39.9	40.4	40.9	41.4	41.9	42.4	42.9	43.9	45.4	46.4	48.9	49.9	51.4	53.9	55.9	57.9	60.4	61.9	65.9	72.9	80.4	83.9	3.40	5.20	2.36	3.21	4.89	2.91	3.89	5.84
38.3	38.8	39.3	39.8	40.3	40.8	41.3	42.3	43.8	44.8	47.3	48.3	49.8	52.3	54.3	56.3	58.8	60.3	64.3	71.3	78.8	82.3	4.20	6.40	3.36	4.61	7.09	3.80	5.10	7.63
37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.5	43.0	44.0	46.5	47.5	49.0	51.5	53.5	55.5	58.0	59.5	63.5	70.5	78.0	81.5	4.60	7.00	3.85	5.29	8.09	4.23	5.69	8.44
32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.8	38.3	39.3	41.8	42.8	44.3	46.8	48.8	50.8	53.3	54.8	58.8	65.8	73.3	76.8	7.00	10.60	6.68	9.13	†	6.65	8.86	†
40.2	40.7	41.2	41.7	42.2	42.7	43.2	44.2	45.7	46.7	49.2	50.2	51.7	54.2	56.2	58.2	60.7	62.2	66.2	73.2	80.7	84.2	3.20	5.00	2.13	2.89	4.38	2.68	3.58	5.35
39.4	39.9	40.4	40.9	41.4	41.9	42.4	43.4	44.9	45.9	48.4	49.4	50.9	53.4	55.4	57.4	59.9	61.4	65.4	72.4	79.9	83.4	3.60	5.60	2.64	3.61	5.55	3.13	4.20	6.31
38.9	39.4	39.9	40.4	40.9	41.4	41.9	42.9	44.4	45.4	47.9	48.9	50.4	52.9	54.9	56.9	59.4	60.9	64.9	71.9	79.4	82.9	3.80	6.00	2.89	3.96	6.10	3.36	4.51	6.76
40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.5	46.0	47.0	49.5	50.5	52.0	54.5	56.5	58.5	61.0	62.5	66.5	73.5	81.0	84.5	3.00	4.80	1.88	2.53	3.78	2.45	3.26	4.85
36.1	36.6	37.1	37.6	38.1	38.6	39.1	40.1	41.6	42.6	45.1	46.1	47.6	50.1	52.1	54.1	56.6	58.1	62.1	69.1	76.6	80.1	5.20	8.20	4.60	6.33	9.55	4.86	6.53	9.54
38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.5	44.0	45.0	47.5	48.5	50.0	52.5	54.5	56.5	59.0	60.5	64.5	71.5	79.0	82.5	4.00	6.40	3.14	4.31	6.65	3.58	4.81	7.21
40.0	40.5	41.0	41.5	42.0	42.5	43.0	44.0	45.5	46.5	49.0	50.0	51.5	54.0	56.0	58.0	60.5	62.0	66.0	73.0	80.5	84.0	3.20	5.20	2.13	2.89	4.38	2.68	3.58	5.35

Key to correction factors: 1.1 1.2 1.3

† Rim speed higher than 7,000 feet per minute. See Page 218.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 14

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																										
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	AX21	AX22	AX23	A24 AX24	AX25	A26 AX26	A27 AX27	A28	A29 AX29	A29.8	A30	A31 AX31	A32 AX32	A33 AX33	A34 AX34	A35 AX35	A36 AX36	A37 AX37	A38 AX38	A39	A40 AX40	A41	A42 AX42	A43 AX43	A44
734	1108	2184	5.60	9.00	1.58																					9.0	9.5	10.0	10.5	11.1
725	1094	2156	3.40	5.60	1.60					6.0	6.5	7.0	7.5	8.0	8.4	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5
720	1087	2143	5.00	8.20	1.61																	8.1	8.6	9.1	9.6	10.2	10.7	11.2	11.7	12.2
716	1080	2130	3.00	5.00	1.62			5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.2	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3
716	1080	2130	3.60	6.00	1.62							6.5	7.0	7.5	7.9	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.1	12.6	13.1	13.6	14.1	14.6	15.1
712	1074	2117	4.20	7.00	1.63												7.2	7.7	8.2	8.7	9.2	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8
712	1074	2117	6.40	10.60	1.63																									
707	1067	2104	3.80	6.40	1.64									7.0	7.4	7.5	8.0	8.5	9.0	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6
695	1048	2066	4.80	8.20	1.67																	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3
690	1042	2054	3.00	5.20	1.68			5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.0	9.1	9.6	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2
686	1036	2041	7.00	12.00	1.69																									
682	1029	2029	3.20	5.60	1.70					6.1	6.6	7.1	7.6	8.1	8.6	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7
682	1029	2029	5.20	9.00	1.70																				8.8	9.3	9.8	10.3	10.8	11.3
678	1023	2018	3.40	6.00	1.71							6.6	7.1	7.7	8.1	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2
678	1023	2018	4.00	7.00	1.71												7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9
671	1012	1994	3.60	6.40	1.73								6.6	7.2	7.6	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7
667	1006	1983	4.60	8.20	1.74																7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.5	12.0	12.5
667	1006	1983	6.00	10.60	1.74																									
659	994	1960	5.00	9.00	1.76																				8.9	9.4	10.0	10.5	11.0	11.5
648	978	1927	3.80	7.00	1.79										6.9	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.1	11.6	12.1	12.6	13.1	13.6	14.1
644	972	1917	3.00	5.60	1.80					6.3	6.8	7.3	7.8	8.3	8.7	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8
641	967	1906	3.20	6.00	1.81						6.3	6.8	7.3	7.8	8.2	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.4	13.9	14.4	14.9	15.4
637	962	1896	3.40	6.40	1.82								6.8	7.3	7.7	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9
634	956	1885	4.80	9.00	1.83																			8.6	9.1	9.6	10.1	10.6	11.1	11.6
630	951	1875	6.40	12.00	1.84																									
627	946	1865	5.60	10.60	1.85																									9.6
617	931	1835	3.60	7.00	1.88										7.0	7.1	7.6	8.1	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2
611	921	1816	4.20	8.20	1.90																8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.8
607	916	1806	4.60	9.00	1.91																			8.7	9.2	9.7	10.2	10.7	11.3	11.8
604	911	1797	3.00	6.00	1.92						6.4	6.9	7.4	7.9	8.3	8.4	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5
601	907	1788	3.20	6.40	1.93							6.4	6.9	7.4	7.8	7.9	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0
592	893	1760	6.00	12.00	1.96																									
583	879	1734	3.40	7.00	1.99									6.7	7.2	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.4	12.9	13.4	13.9	14.4
583	879	1734	4.00	8.20	1.99															7.8	8.3	8.8	9.3	9.8	10.4	10.9	11.4	11.9	12.4	12.9
583	879	1734	5.20	10.60	1.99																									9.9
566	854	1683	3.00	6.40	2.05							6.5	7.1	7.6	8.0	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.7	13.2	13.7	14.2	14.7	15.2
560	845	1667	5.00	10.60	2.07																								9.5	10.0
558	841	1659	4.20	9.00	2.08																		8.4	9.0	9.5	10.0	10.5	11.0	11.5	12.0
555	837	1651	3.80	8.20	2.09															7.9	8.4	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
555	837	1651	5.60	12.00	2.09																									
552	833	1643	3.20	7.00	2.10									6.9	7.3	7.4	7.9	8.4	8.9	9.4	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5
552	833	1643	7.00	15.00	2.10																									
540	814	1605	4.80	10.60	2.15																								9.6	10.1
532	803	1583	4.00	9.00	2.18																	8.0	8.6	9.1	9.6	10.1	10.6	11.2	11.7	12.2
530	799	1575	3.60	8.20	2.19														7.5	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.7	12.2	12.7	13.2
520	785	1547	3.00	7.00	2.23								6.5	7.0	7.4	7.5	8.0	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.2	14.7
518	781	1540	4.60	10.60	2.24																							9.2	9.7	10.3
516	778	1533	5.20	12.00	2.25																									
509	768	1513	3.80	9.00	2.28																	8.2	8.7	9.2	9.7	10.3	10.8	11.3	11.8	12.3
507	764	1507	6.40	15.00	2.29																									
500	754	1487	3.40	8.20	2.32														7.7	8.2	8.7	9.2	9.7	10.3	10.8	11.3	11.8	12.3	12.8	13.3
498	751	1481	5.00	12.00	2.33																									
483	729	1437	3.60	9.00	2.40																7.8	8.3	8.8	9.4	9.9	10.4	10.9	11.4	11.9	12.5
477	720	1420	4.80	12.00	2.43																									

Key to correction factors: 0.7 0.8 0.9

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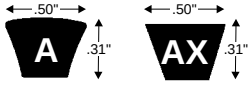
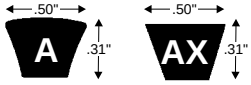


V-Belt No. and Center Distance																							Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																									Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
A45 AX45	A46 AX46	A47 AX47	A48 AX48	A49 AX49	A50 AX50	A51 AX51	A52 AX52	A53 AX53	A54 AX54	A55 AX55	A56 AX56	A57 AX57	A58	A59 AX59	A60 AX60	A61 AX61	A62 AX62	A63 AX63	A64 AX64	A65 AX65	A66 AX66	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	5.60	9.00	5.07	6.98	10.40	5.27	7.07	10.20
16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	3.40	5.60	2.39	3.25	4.97	2.91	3.89	5.84
12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	5.00	8.20	4.36	6.00	9.11	4.65	6.25	9.19
16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	3.00	5.00	1.88	2.53	3.78	2.45	3.26	4.85
15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	3.60	6.00	2.64	3.61	5.55	3.13	4.20	6.31
14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	4.20	7.00	3.39	4.66	7.17	3.80	5.10	7.63
	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	6.40	10.60	6.00	8.23	†11.80	6.07	8.11	†11.30
15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	3.80	6.40	2.89	3.96	6.10	3.40	4.58	6.91
12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	4.80	8.20	4.12	5.67	8.65	4.49	6.04	8.97
16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	3.00	5.20	1.88	2.53	3.78	2.50	3.33	5.00
							11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.1	18.6	7.00	12.00	6.68	9.13	†	6.69	8.93	†
16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	3.20	5.60	2.13	2.89	4.38	2.73	3.65	5.50
11.8	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	5.20	9.00	4.60	6.33	9.55	4.91	6.60	9.68
15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	3.40	6.00	2.39	3.25	4.97	2.96	3.96	5.98
14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	4.00	7.00	3.14	4.31	6.65	3.63	4.88	7.35
15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	3.60	6.40	2.64	3.61	5.55	3.18	4.27	6.45
13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	4.60	8.20	3.88	5.34	8.18	4.27	5.76	8.59
9.8	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	6.00	10.60	5.54	7.61	†11.10	5.72	7.67	†10.90
12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.6	20.1	20.6	21.1	21.6	22.1	22.6	5.00	9.00	4.36	6.00	9.11	4.70	6.32	9.33
14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	3.80	7.00	2.89	3.96	6.10	3.40	4.58	6.91
16.3	16.8	17.3	17.8	18.3	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	3.00	5.60	1.88	2.53	3.78	2.50	3.33	5.00
15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	3.20	6.00	2.13	2.89	4.38	2.73	3.65	5.50
15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	3.40	6.40	2.39	3.25	4.97	2.96	3.96	5.98
12.1	12.6	13.1	13.6	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	4.80	9.00	4.12	5.67	8.65	4.49	6.04	8.97
					10.8	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	16.0	16.5	17.0	17.5	18.0	18.5	19.0	6.40	12.00	6.00	8.23	†11.80	6.11	8.19	†11.40
10.1	10.6	11.1	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.8	18.3	18.8	19.3	19.8	20.3	20.8	5.60	10.60	5.07	6.98	10.40	5.32	7.15	10.30
14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	3.60	7.00	2.64	3.61	5.55	3.18	4.27	6.45
13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	4.20	8.20	3.39	4.66	7.17	3.84	5.18	7.78
12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.9	21.4	21.9	22.4	22.9	4.60	9.00	3.88	5.34	8.18	4.27	5.76	8.59
16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	3.00	6.00	1.88	2.53	3.78	2.50	3.33	5.00
15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	3.20	6.40	2.13	2.89	4.38	2.73	3.65	5.50
				10.6	11.1	11.6	12.1	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.3	17.8	18.3	18.8	19.3	6.00	12.00	5.54	7.61	†11.10	5.72	7.67	†10.90
14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	3.40	7.00	2.39	3.25	4.97	2.96	3.96	5.98
13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	4.00	8.20	3.14	4.31	6.65	3.63	4.88	7.35
10.4	10.9	11.4	11.9	12.4	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.6	20.1	20.6	21.1	5.20	10.60	4.60	6.33	9.55	4.91	6.60	9.68
15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	3.00	6.40	1.88	2.53	3.78	2.54	3.40	5.14
10.5	11.0	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	5.00	10.60	4.36	6.00	9.11	4.75	6.40	9.47
12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.2	22.7	23.2	4.20	9.00	3.39	4.66	7.17	3.89	5.25	7.92
13.5	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	3.80	8.20	2.89	3.96	6.10	3.45	4.65	7.05
			10.3	10.9	11.4	11.9	12.4	12.9	13.4	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.6	19.1	19.6	5.60	12.00	5.07	6.98	10.40	5.36	7.22	10.50
15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	3.20	7.00	2.13	2.89	4.38	2.78	3.72	5.64
															12.7	13.3	13.8	14.3	14.8	15.3	15.9	7.00	15.00	6.68	9.13	†	6.74	9.00	†
10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.9	21.4	4.80	10.60	4.12	5.67	8.65	4.54	6.12	9.11
12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	4.00	9.00	3.14	4.31	6.65	3.67	4.95	7.49
13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	3.60	8.20	2.64	3.61	5.55	3.23	4.35	6.60
15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	3.00	7.00	1.88	2.53	3.78	2.54	3.40	5.14
10.8	11.3	11.8	12.3	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	4.60	10.60	3.88	5.34	8.18	4.32	5.83	8.73
		10.1	10.6	11.1	11.6	12.2	12.7	13.2	13.7	14.2	14.7	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	5.20	12.00	4.60	6.33	9.55	4.95	6.67	9.82
12.8	13.3	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.5	3.80	9.00	2.89	3.96	6.10	3.45	4.65	7.05
														12.6	13.1	13.7	14.2	14.7	15.2	15.8	16.3	6.40	15.00	6.00	8.23	†11.80	6.16	8.26	†11.60
13.8	14.3	14.8	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	3.40	8.20	2.39	3.25	4.97	3.00	4.04	6.13
		10.2	10.7	11.2	11.8	12.3	12.8	13.3	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	18.0	18.5	19.0	19.5	20.0	5.00	12.00	4.36	6.00	9.11	4.75	6.40	9.47
13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	3.60	9.00	2.64	3.61	5.55	3.23	4.35	6.60
		10.3	10.9	11.4	11.9	12.4	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	4.80	12.00	4.12	5.67	8.65	4.54	6.12	9.11

Key to correction factors: 0.8 0.9 1.0

† Rim speed higher than 7,000 feet per minute. See Page 218.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 14

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																								
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	A67 AX67	A68 AX68	A69 AX69	A70 AX70	A71 AX71	A72 AX72	A73 AX73	A74 AX74	A75 AX75	A76 AX76	A77 AX77	A78 AX78	A79 AX79	A80 AX80	A81 AX81	A82 AX82	A83	A84	A85 AX85	A86 AX86	A87 AX87	A88 AX88	A89	A90 AX90	A91 AX91
734	1108	2184	5.60	9.00	1.58	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6
725	1094	2156	3.40	5.60	1.60	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1
720	1087	2143	5.00	8.20	1.61	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7
716	1080	2130	3.00	5.00	1.62	27.8	28.3	28.8	29.3	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9
716	1080	2130	3.60	6.00	1.62	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6
712	1074	2117	4.20	7.00	1.63	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3
712	1074	2117	6.40	10.60	1.63	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7
707	1067	2104	3.80	6.40	1.64	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1
695	1048	2066	4.80	8.20	1.67	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9
690	1042	2054	3.00	5.20	1.68	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7
686	1036	2041	7.00	12.00	1.69	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1
682	1029	2029	3.20	5.60	1.70	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2
682	1029	2029	5.20	9.00	1.70	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9
678	1023	2018	3.40	6.00	1.71	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7
678	1023	2018	4.00	7.00	1.71	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5
671	1012	1994	3.60	6.40	1.73	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3
667	1006	1983	4.60	8.20	1.74	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.6	35.1	35.6	36.1
667	1006	1983	6.00	10.60	1.74	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0
659	994	1960	5.00	9.00	1.76	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1
648	978	1927	3.80	7.00	1.79	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6
644	972	1917	3.00	5.60	1.80	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4
641	967	1906	3.20	6.00	1.81	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9
637	962	1896	3.40	6.40	1.82	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4
634	956	1885	4.80	9.00	1.83	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2
630	951	1875	6.40	12.00	1.84	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6
627	946	1865	5.60	10.60	1.85	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3
617	931	1835	3.60	7.00	1.88	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8
611	921	1816	4.20	8.20	1.90	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4
607	916	1806	4.60	9.00	1.91	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4
604	911	1797	3.00	6.00	1.92	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.1	36.6	37.1	37.6	38.1	38.6	39.1
601	907	1788	3.20	6.40	1.93	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6
592	893	1760	6.00	12.00	1.96	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9
583	879	1734	3.40	7.00	1.99	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9
583	879	1734	4.00	8.20	1.99	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5
583	879	1734	5.20	10.60	1.99	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6
566	854	1683	3.00	6.40	2.05	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7
560	845	1667	5.00	10.60	2.07	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8
558	841	1659	4.20	9.00	2.08	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7
555	837	1651	3.80	8.20	2.09	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7
555	837	1651	5.60	12.00	2.09	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.2	29.7	30.2	30.7	31.2	31.7	32.2
552	833	1643	3.20	7.00	2.10	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1
552	833	1643	7.00	15.00	2.10	16.4	16.9	17.4	17.9	18.4	18.9	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6
540	814	1605	4.80	10.60	2.15	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9
532	803	1583	4.00	9.00	2.18	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.9	35.4	35.9
530	799	1575	3.60	8.20	2.19	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8
520	785	1547	3.00	7.00	2.23	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2
518	781	1540	4.60	10.60	2.24	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1
516	778	1533	5.20	12.00	2.25	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.5	31.0	31.5	32.0	32.5
509	768	1513	3.80	9.00	2.28	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0
507	764	1507	6.40	15.00	2.29	16.8	17.3	17.8	18.3	18.8	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0
500	754	1487	3.40	8.20	2.32	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0
498	751	1481	5.00	12.00	2.33	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6
483	729	1437	3.60	9.00	2.40	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.2	35.7	36.2
477	720	1420	4.80	12.00	2.43	20.6	21.1	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.8	32.3	32.8

Key to correction factors: 0.9 1.0 1.1

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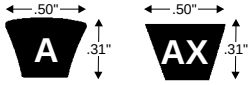
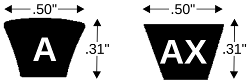


V-Belt No. and Center Distance																										Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																												Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
A92 AX92	A93 AX93	A94 AX94	A95	A96 AX96	A97 AX97	A98 AX98	A100	A103 AX103	A105 AX105	A110 AX110	A112 AX112	A115	A120 AX120	A124	A128 AX128	A133	A136	A144 AX144	A158	A173 AX173	A180	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
35.1	35.6	36.1	36.6	37.1	37.6	38.1	39.1	40.6	41.6	44.2	45.2	46.7	49.2	51.2	53.2	55.7	57.2	61.2	68.2	75.7	79.2	5.60	9.00	5.07	6.98	10.40	5.27	7.07	10.20
39.6	40.1	40.6	41.1	41.6	42.1	42.6	43.6	45.1	46.1	48.6	49.6	51.1	53.6	55.6	57.6	60.1	61.6	65.6	72.6	80.1	83.6	3.40	5.60	2.39	3.25	4.97	2.91	3.89	5.84
36.2	36.7	37.2	37.7	38.2	38.7	39.3	40.3	41.8	42.8	45.3	46.3	47.8	50.3	52.3	54.3	56.8	58.3	62.3	69.3	76.8	80.3	5.00	8.20	4.36	6.00	9.11	4.65	6.25	9.19
40.4	40.9	41.4	41.9	42.4	42.9	43.4	44.4	45.9	46.9	49.4	50.4	51.9	54.4	56.4	58.4	60.9	62.4	66.4	73.4	80.9	84.4	3.00	5.00	1.88	2.53	3.78	2.45	3.26	4.85
39.1	39.6	40.1	40.6	41.1	41.6	42.1	43.1	44.6	45.6	48.1	49.1	50.6	53.1	55.1	57.1	59.6	61.1	65.1	72.1	79.6	83.1	3.60	6.00	2.64	3.61	5.55	3.13	4.20	6.31
37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.8	43.3	44.3	46.8	47.8	49.3	51.8	53.8	55.8	58.3	59.8	63.8	70.8	78.3	81.8	4.20	7.00	3.39	4.66	7.17	3.80	5.10	7.63
33.2	33.7	34.2	34.7	35.2	35.7	36.2	37.2	38.7	39.7	42.2	43.2	44.7	47.3	49.3	51.3	53.8	55.3	59.3	66.3	73.8	77.3	6.40	10.60	6.00	8.23	†11.80	6.07	8.11	†11.30
38.6	39.1	39.6	40.1	40.6	41.1	41.6	42.6	44.1	45.1	47.6	48.6	50.1	52.6	54.6	56.6	59.1	60.6	64.6	71.6	79.1	82.6	3.80	6.40	2.89	3.96	6.10	3.40	4.58	6.91
36.4	36.9	37.4	37.9	38.4	38.9	39.4	40.4	41.9	42.9	45.4	46.4	47.9	50.4	52.4	54.4	56.9	58.4	62.4	69.4	76.9	80.4	4.80	8.20	4.12	5.67	8.65	4.49	6.04	8.97
40.2	40.7	41.2	41.7	42.2	42.7	43.2	44.2	45.7	46.7	49.2	50.2	51.7	54.2	56.2	58.2	60.7	62.2	66.2	73.2	80.7	84.2	3.00	5.20	1.88	2.53	3.78	2.50	3.33	5.00
31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.6	37.1	38.1	40.7	41.7	43.2	45.7	47.7	49.7	52.2	53.7	57.7	64.7	72.2	75.7	7.00	12.00	6.68	9.13	†	6.69	8.93	†
39.7	40.2	40.7	41.2	41.7	42.2	42.7	43.7	45.2	46.2	48.7	49.7	51.2	53.7	55.7	57.7	60.2	61.7	65.7	72.7	80.2	83.7	3.20	5.60	2.13	2.89	4.38	2.73	3.65	5.50
35.4	35.9	36.4	36.9	37.4	37.9	38.5	39.5	41.0	42.0	44.5	45.5	47.0	49.5	51.5	53.5	56.0	57.5	61.5	68.5	76.0	79.5	5.20	9.00	4.60	6.33	9.55	4.91	6.60	9.68
39.2	39.7	40.2	40.7	41.2	41.7	42.2	43.2	44.7	45.7	48.2	49.3	50.8	53.3	55.3	57.3	59.8	61.3	65.3	72.3	79.8	83.3	3.40	6.00	2.39	3.25	4.97	2.96	3.96	5.98
38.0	38.5	39.0	39.5	40.0	40.5	41.0	42.0	43.5	44.5	47.0	48.0	49.5	52.0	54.0	56.0	58.5	60.0	64.0	71.0	78.5	82.0	4.00	7.00	3.14	4.31	6.65	3.63	4.88	7.35
38.8	39.3	39.8	40.3	40.8	41.3	41.8	42.8	44.3	45.3	47.8	48.8	50.3	52.8	54.8	56.8	59.3	60.8	64.8	71.8	79.3	82.8	3.60	6.40	2.64	3.61	5.55	3.18	4.27	6.45
36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.6	42.1	43.1	45.6	46.6	48.1	50.6	52.6	54.6	57.1	58.6	62.6	69.6	77.1	80.6	4.60	8.20	3.88	5.34	8.18	4.27	5.76	8.59
33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.5	39.0	40.0	42.6	43.6	45.1	47.6	49.6	51.6	54.1	55.6	59.6	66.6	74.1	77.6	6.00	10.60	5.54	7.61	†11.10	5.72	7.67	†10.90
35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.6	41.1	42.1	44.6	45.6	47.1	49.6	51.6	53.6	56.1	57.6	61.6	68.6	76.1	79.6	5.00	9.00	4.36	6.00	9.11	4.70	6.32	9.33
38.1	38.6	39.1	39.6	40.1	40.6	41.1	42.1	43.6	44.6	47.1	48.1	49.6	52.1	54.1	56.1	58.6	60.1	64.1	71.1	78.7	82.2	3.80	7.00	2.89	3.96	6.10	3.40	4.58	6.91
39.9	40.4	40.9	41.4	41.9	42.4	42.9	43.9	45.4	46.4	48.9	49.9	51.4	53.9	55.9	57.9	60.4	61.9	65.9	72.9	80.4	83.9	3.00	5.60	1.88	2.53	3.78	2.50	3.33	5.00
39.4	39.9	40.4	40.9	41.4	41.9	42.4	43.4	44.9	45.9	48.4	49.4	50.9	53.4	55.4	57.4	59.9	61.4	65.4	72.4	79.9	83.4	3.20	6.00	2.13	2.89	4.38	2.73	3.65	5.50
38.9	39.4	39.9	40.4	40.9	41.4	41.9	42.9	44.4	45.4	47.9	48.9	50.4	52.9	54.9	56.9	59.4	60.9	64.9	71.9	79.4	82.9	3.40	6.40	2.39	3.25	4.97	2.96	3.96	5.98
35.7	36.3	36.8	37.3	37.8	38.3	38.8	39.8	41.3	42.3	44.8	45.8	47.3	49.8	51.8	53.8	56.3	57.8	61.8	68.8	76.3	79.8	4.80	9.00	4.12	5.67	8.65	4.49	6.04	8.97
32.1	32.6	33.1	33.6	34.1	34.6	35.1	36.1	37.6	38.6	41.1	42.1	43.6	46.1	48.1	50.1	52.6	54.1	58.1	65.1	72.6	76.1	6.40	12.00	6.00	8.23	†11.80	6.11	8.19	†11.40
33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.8	39.3	40.3	42.9	43.9	45.4	47.9	49.9	51.9	54.4	55.9	59.9	66.9	74.4	77.9	5.60	10.60	5.07	6.98	10.40	5.32	7.15	10.30
38.3	38.8	39.3	39.8	40.3	40.8	41.3	42.3	43.8	44.8	47.3	48.3	49.8	52.3	54.3	56.3	58.8	60.3	64.3	71.3	78.8	82.3	3.60	7.00	2.64	3.61	5.55	3.18	4.27	6.45
36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.9	42.4	43.4	45.9	46.9	48.4	50.9	52.9	54.9	57.4	58.9	62.9	69.9	77.4	80.9	4.20	8.20	3.39	4.66	7.17	3.84	5.18	7.78
35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.9	41.4	42.4	44.9	45.9	47.4	49.9	51.9	53.9	56.4	57.9	61.9	68.9	76.4	79.9	4.60	9.00	3.88	5.34	8.18	4.27	5.76	8.59
39.6	40.1	40.6	41.1	41.6	42.1	42.6	43.6	45.1	46.1	48.6	49.6	51.1	53.6	55.6	57.6	60.1	61.6	65.6	72.6	80.1	83.6	3.00	6.00	1.88	2.53	3.78	2.50	3.33	5.00
39.1	39.6	40.1	40.6	41.1	41.6	42.1	43.1	44.6	45.6	48.1	49.1	50.6	53.1	55.1	57.1	59.6	61.1	65.1	72.1	79.6	83.1	3.20	6.40	2.13	2.89	4.38	2.73	3.65	5.50
32.4	32.9	33.4	33.9	34.4	34.9	35.4	36.4	37.9	38.9	41.4	42.4	43.9	46.4	48.4	50.4	52.9	54.4	58.4	65.4	73.0	76.5	6.00	12.00	5.54	7.61	†11.10	5.72	7.67	†10.90
38.4	38.9	39.4	39.9	40.4	40.9	41.4	42.4	43.9	44.9	47.4	48.4	49.9	52.5	54.5	56.5	59.0	60.5	64.5	71.5	79.0	82.5	3.40	7.00	2.39	3.25	4.97	2.96	3.96	5.98
37.0	37.5	38.0	38.5	39.0	39.5	40.0	41.0	42.5	43.5	46.0	47.0	48.5	51.0	53.0	55.0	57.5	59.0	63.0	70.0	77.5	81.0	4.00	8.20	3.14	4.31	6.65	3.63	4.88	7.35
34.1	34.6	35.1	35.6	36.1	36.6	37.1	38.1	39.6	40.7	43.2	44.2	45.7	48.2	50.2	52.2	54.7	56.2	60.2	67.2	74.7	78.2	5.20	10.60	4.60	6.33	9.55	4.91	6.60	9.68
39.2	39.7	40.2	40.7	41.2	41.7	42.2	43.2	44.7	45.7	48.2	49.2	50.7	53.2	55.2	57.2	59.7	61.2	65.2	72.2	79.7	83.2	3.00	6.40	1.88	2.53	3.78	2.54	3.40	5.14
34.3	34.8	35.3	35.8	36.3	36.8	37.3	38.3	39.8	40.8	43.3	44.3	45.8	48.3	50.3	52.3	54.8	56.3	60.3	67.3	74.8	78.3	5.00	10.60	4.36	6.00	9.11	4.75	6.40	9.47
36.2	36.7	37.2	37.7	38.2	38.7	39.2	40.2	41.7	42.7	45.2	46.2	47.7	50.2	52.2	54.2	56.7	58.2	62.2	69.2	76.7	80.2	4.20	9.00	3.39	4.66	7.17	3.89	5.25	7.92
37.2	37.7	38.2	38.7	39.2	39.7	40.2	41.2	42.7	43.7	46.2	47.2	48.7	51.2	53.2	55.2	57.7	59.2	63.2	70.2	77.7	81.2	3.80	8.20	2.89	3.96	6.10	3.45	4.65	7.05
32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.7	38.2	39.2	41.7	42.7	44.2	46.7	48.7	50.7	53.2	54.7	58.7	65.7	73.3	76.8	5.60	12.00	5.07	6.98	10.40	5.36	7.22	10.50
38.6	39.1	39.6	40.1	40.6	41.1	41.6	42.6	44.1	45.1	47.6	48.6	50.1	52.6	54.6	56.6	59.1	60.6	64.6	71.6	79.1	82.6	3.20	7.00	2.13	2.89	4.38	2.78	3.72	5.64
29.1	29.6	30.1	30.6	31.1	31.6	32.1	33.1	34.6	35.6	38.2	39.2	40.7	43.2	45.2	47.2	49.7	51.2	55.2	62.2	69.8	73.3	7.00	15.00	6.68	9.13	†	6.74	9.00	†
34.4	34.9	35.4	35.9	36.4	36.9	37.4	38.4	39.9	41.0	43.5	44.5	46.0	48.5	50.5	52.5	55.0	56.5	60.5	67.5	75.0	78.5	4.80	10.60	4.12	5.67	8.65	4.54	6.12	9.11
36.4	36.9	37.4	37.9	38.4	38.9	39.4	40.4	41.9	42.9	45.4	46.4	47.9	50.4	52.4	54.4	56.9	58.4	62.4	69.4	76.9	80.4	4.00	9.00	3.14	4.31	6.65	3.67	4.95	7.49
37.3	37.8	38.3	38.8	39.3	39.8	40.3	41.3	42.8	43.8	46.3	47.3	48.8	51.3	53.3	55.3	57.8	59.3	63.3	70.3	77.8	81.3	3.60	8.20	2.64	3.61	5.55	3.23	4.35	6.60
38.7	39.2	39.7	40.2	40.7	41.2	41.7	42.7	44.3	45.3	47.8	48.8	50.3	52.8	54.8	56.8	59.3	60.8	64.8	71.8	79.3	82.8	3.00	7.00	1.88	2.53	3.78	2.54	3.40	5.14
34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.6	40.1	41.1	43.6	44.6	46.1	48.6	50.6	52.6	55.1	56.6	60.6	67.6	75.2	78.7	4.60	10.60	3.88	5.34	8.18	4.32	5.83	8.73
33.0	33.5	34.0	34.5	35.0	35.5	36.0	37.0	38.5	39.5	42.0	43.0	44.5	47.0	49.0	51.0	53.5	55.0	59.0	66.1	73.6	77.1	5.20	12.00	4.60	6.33	9.55	4.95	6.67	9.82
36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.5	42.0	43.0	45.5	46.5	48.0	50.5	52.5	54.5	57.0	58.5	62.5	69.5	77.1	80.6	3.80	9.00	2.89	3.96	6.10	3.45	4.65	7.05
29.5	30.0	30.5	31.0	31.5	32.1	32.6	33.6	35.1	36.1	38.6	39.6	41.1	43.6	45.6	47.6	50.2	51.7	55.7	62.7	70.2	73.7	6.40	15.00	6.00	8.23	†11.80	6.16	8.26	†11.60
37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.5	43.0	44.0	46.5	47.5	49.0	51.5	53.5	55.5	58.0	59.5	63.5	70.5	78.0	81.5	3.40	8.20	2.39	3.25	4.97	3.00	4.04	6.13
33.1	33.6	34.1	34.6	35.1	35.6	36.1	37.1	38.6	39.6	42.2	43.2	44.7	47.2	49.2	51.2	53.7	55.2	59.2	66.2	73.7	77.2	5.00	12.00	4.36	6.00	9.11	4.75	6.40	9.47
36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.7	42.2	43.2	45.7	46.7	48.2	50.7	52.7	54.7	57.2	58.7	62.7	69.7	77.2	80.7	3.60	9.00	2.64	3.61	5.55	3.23	4.35	6.60
33.3	33.8	34.3	34.8	35.3	35.8	36.3	37.3	38.8	39.8	42.3	43.3	44.8	47.3	49.3	51.3	53.8	55.3	59.3	66.4	73.9	77.4	4.80	12.00	4.12	5.67	8.65	4.54	6.12	9.11

Key to correction factors: 1.0 | 1.1 | 1.2 | 1.3

† Rim speed higher than 7,000 feet per minute. See Page 218.



Hi-Power® II
& Tri-Power® Molded Notch

Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 14

DriveN Speed For Motor Speed of 1160 RPM	1750 RPM	3450 RPM	Sheave Datum Diameters Small Sheave	Large Sheave	Speed Ratio	V-Belt No. and Center Distance AX21	AX22	AX23	A24 AX24	AX25	A26 AX26	A27 AX27	A28	A29 AX29	A29.8	A30	A31 AX31	A32 AX32	A33 AX33	A34 AX34	A35 AX35	A36 AX36	A37 AX37	A38 AX38	A39	A40 AX40	A41	A42 AX42	A43 AX43	A44
475	717	1414	4.20	10.60	2.44																						8.9	9.5	10.0	10.5
475	717	1414	6.00	15.00	2.44																									
473	714	1408	3.20	8.20	2.45													7.3	7.8	8.3	8.8	9.4	9.9	10.4	10.9	11.4	11.9	12.4	13.0	13.5
460	694	1369	7.00	18.00	2.52																									
458	692	1364	3.40	9.00	2.53																7.9	8.4	9.0	9.5	10.0	10.5	11.1	11.6	12.1	12.6
458	692	1364	4.60	12.00	2.53																									
455	686	1353	4.00	10.60	2.55																						9.1	9.6	10.1	10.7
446	673	1327	3.00	8.20	2.60													7.4	7.9	8.5	9.0	9.5	10.0	10.5	11.0	11.6	12.1	12.6	13.1	13.6
444	670	1322	5.60	15.00	2.61																									
433	653	1287	3.20	9.00	2.68																8.0	8.6	9.1	9.6	10.2	10.7	11.2	11.7	12.2	12.7
433	653	1287	3.80	10.60	2.68																					8.7	9.2	9.7	10.3	10.8
423	639	1259	6.40	18.00	2.74																									
422	636	1255	4.20	12.00	2.75																									
414	625	1232	5.20	15.00	2.80																									
411	621	1223	3.60	10.60	2.82																					8.8	9.3	9.9	10.4	10.9
407	614	1211	3.00	9.00	2.85															7.6	8.2	8.7	9.2	9.8	10.3	10.8	11.3	11.8	12.4	12.9
403	608	1198	4.00	12.00	2.88																									
400	603	1190	5.00	15.00	2.90																									
397	599	1182	6.00	18.00	2.92																									
391	589	1162	3.40	10.60	2.97																					8.9	9.5	10.0	10.5	11.1
384	579	1142	3.80	12.00	3.02																									
384	579	1142	4.80	15.00	3.02																									
372	561	1106	5.60	18.00	3.12																									
369	557	1099	3.20	10.60	3.14																				8.5	9.0	9.6	10.1	10.7	11.2
369	557	1099	4.60	15.00	3.14																									
365	550	1085	3.60	12.00	3.18																									9.4
347	524	1033	3.00	10.60	3.34																				8.6	9.2	9.7	10.3	10.8	11.3
346	522	1030	5.20	18.00	3.35																									
345	521	1027	3.40	12.00	3.36																									9.6
338	510	1006	4.20	15.00	3.43																									
333	503	991	5.00	18.00	3.48																									
327	493	972	3.20	12.00	3.55																								9.1	9.7
323	487	961	4.00	15.00	3.59																									
321	485	956	4.80	18.00	3.61																									
309	465	918	4.60	18.00	3.76																									
308	464	915	3.00	12.00	3.77																								9.3	9.8
308	464	915	3.80	15.00	3.77																									
293	442	871	3.60	15.00	3.96																									
283	427	841	4.20	18.00	4.10																									
278	419	825	3.40	15.00	4.18																									
270	408	804	4.00	18.00	4.29																									
262	396	781	3.20	15.00	4.42																									
257	388	765	3.80	18.00	4.51																									
247	373	736	3.00	15.00	4.69																									
245	369	728	3.60	18.00	4.74																									
232	350	690	3.40	18.00	5.00																									
219	331	652	3.20	18.00	5.29																									
206	311	614	3.00	18.00	5.62																									

Key to correction factors: 0.7 0.8

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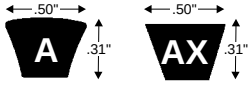
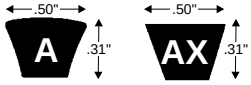


V-Belt No. and Center Distance																							Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																									Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		3450 RPM
A45 AX45	A46 AX46	A47 AX47	A48 AX48	A49 AX49	A50 AX50	A51 AX51	A52 AX52	A53 AX53	A54 AX54	A55 AX55	A56 AX56	A57 AX57	A58	A59 AX59	A60 AX60	A61 AX61	A62 AX62	A63 AX63	A64 AX64	A65 AX65	A66 AX66	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	
11.1	11.6	12.1	12.6	13.1	13.6	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.8	19.3	19.8	20.3	20.8	21.3	21.8	4.20	10.60	3.39	4.66	7.17	3.89	5.25	7.92
													12.3	12.9	13.4	13.9	14.5	15.0	15.5	16.0	16.5	6.00	15.00	5.54	7.61	†11.10	5.77	7.75	†11.10
14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.6	22.1	22.6	23.1	23.6	24.1	24.6	3.20	8.20	2.13	2.89	4.38	2.78	3.72	5.64
																						7.00	18.00	6.68	9.13	†	6.74	9.00	†
13.1	13.6	14.1	14.6	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	3.40	9.00	2.39	3.25	4.97	3.00	4.04	6.13
	9.9	10.5	11.0	11.5	12.0	12.6	13.1	13.6	14.1	14.6	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.3	19.8	20.3	4.60	12.00	3.88	5.34	8.18	4.32	5.83	8.73
11.2	11.7	12.2	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	4.00	10.60	3.14	4.31	6.65	3.67	4.95	7.49
14.1	14.6	15.1	15.6	16.1	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	3.00	8.20	1.88	2.53	3.78	2.54	3.40	5.14
												12.0	12.6	13.1	13.7	14.2	14.7	15.2	15.8	16.3	16.8	5.60	15.00	5.07	6.98	10.40	5.36	7.22	10.50
13.2	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	3.20	9.00	2.13	2.89	4.38	2.78	3.72	5.64
11.3	11.8	12.4	12.9	13.4	13.9	14.4	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.1	20.6	21.1	21.6	22.1	3.80	10.60	2.89	3.96	6.10	3.45	4.65	7.05
																						6.40	18.00	6.00	8.23	†11.80	6.16	8.26	†11.60
9.6	10.2	10.7	11.2	11.8	12.3	12.8	13.4	13.9	14.4	14.9	15.4	15.9	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.6	4.20	12.00	3.39	4.66	7.17	3.89	5.25	7.92
											11.7	12.3	12.8	13.4	13.9	14.4	15.0	15.5	16.0	16.6	17.1	5.20	15.00	4.60	6.33	9.55	4.95	6.67	9.82
11.5	12.0	12.5	13.0	13.5	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	3.60	10.60	2.64	3.61	5.55	3.23	4.35	6.60
13.4	13.9	14.4	14.9	15.4	15.9	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	3.00	9.00	1.88	2.53	3.78	2.54	3.40	5.14
9.8	10.3	10.8	11.4	11.9	12.4	13.0	13.5	14.0	14.5	15.0	15.6	16.1	16.6	17.1	17.6	18.1	18.7	19.2	19.7	20.2	20.7	4.00	12.00	3.14	4.31	6.65	3.67	4.95	7.49
											11.9	12.4	13.0	13.5	14.0	14.6	15.1	15.6	16.2	16.7	17.2	5.00	15.00	4.36	6.00	9.11	4.75	6.40	9.47
																						6.00	18.00	5.54	7.61	†11.10	5.77	7.75	†11.10
11.6	12.1	12.6	13.2	13.7	14.2	14.7	15.2	15.7	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.4	21.9	22.4	3.40	10.60	2.39	3.25	4.97	3.00	4.04	6.13
9.9	10.4	11.0	11.5	12.0	12.6	13.1	13.6	14.1	14.7	15.2	15.7	16.2	16.7	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	3.80	12.00	2.89	3.96	6.10	3.50	4.72	7.20
										11.4	12.0	12.5	13.1	13.6	14.2	14.7	15.2	15.8	16.3	16.8	17.3	4.80	15.00	4.12	5.67	8.65	4.58	6.19	9.25
																					13.7	5.60	18.00	5.07	6.98	10.40	5.41	7.29	10.60
11.7	12.2	12.8	13.3	13.8	14.3	14.8	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.5	20.0	20.5	21.0	21.5	22.0	22.5	3.20	10.60	2.13	2.89	4.38	2.82	3.80	5.78
										11.6	12.1	12.7	13.2	13.8	14.3	14.8	15.4	15.9	16.4	17.0	17.5	4.60	15.00	3.88	5.34	8.18	4.37	5.90	8.87
10.0	10.6	11.1	11.6	12.2	12.7	13.2	13.8	14.3	14.8	15.3	15.8	16.4	16.9	17.4	17.9	18.4	18.9	19.4	20.0	20.5	21.0	3.60	12.00	2.64	3.61	5.55	3.28	4.42	6.74
11.9	12.4	12.9	13.4	13.9	14.5	15.0	15.5	16.0	16.5	17.0	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	3.00	10.60	1.88	2.53	3.78	2.59	3.48	5.28
																				13.4	13.9	5.20	18.00	4.60	6.33	9.55	5.00	6.75	9.97
10.1	10.7	11.2	11.8	12.3	12.8	13.4	13.9	14.4	14.9	15.5	16.0	16.5	17.0	17.5	18.0	18.6	19.1	19.6	20.1	20.6	21.1	3.40	12.00	2.39	3.25	4.97	3.05	4.11	6.27
									11.2	11.8	12.4	12.9	13.5	14.0	14.6	15.1	15.6	16.2	16.7	17.2	17.7	4.20	15.00	3.39	4.66	7.17	3.94	5.32	8.07
																				13.5	14.1	5.00	18.00	4.36	6.00	9.11	4.79	6.47	9.62
10.3	10.8	11.3	11.9	12.4	13.0	13.5	14.0	14.5	15.1	15.6	16.1	16.6	17.1	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.3	3.20	12.00	2.13	2.89	4.38	2.82	3.80	5.78
									11.4	11.9	12.5	13.1	13.6	14.1	14.7	15.2	15.8	16.3	16.8	17.3	17.9	4.00	15.00	3.14	4.31	6.65	3.72	5.03	7.64
																			13.0	13.6	14.2	4.80	18.00	4.12	5.67	8.65	4.58	6.19	9.25
																			13.2	13.7	14.3	4.60	18.00	3.88	5.34	8.18	4.37	5.90	8.87
10.4	10.9	11.5	12.0	12.6	13.1	13.6	14.1	14.7	15.2	15.7	16.2	16.8	17.3	17.8	18.3	18.8	19.3	19.9	20.4	20.9	21.4	3.00	12.00	1.88	2.53	3.78	2.59	3.48	5.28
								10.9	11.5	12.1	12.6	13.2	13.7	14.3	14.8	15.4	15.9	16.4	17.0	17.5	18.0	3.80	15.00	2.89	3.96	6.10	3.50	4.72	7.20
								11.0	11.6	12.2	12.7	13.3	13.9	14.4	14.9	15.5	16.0	16.5	17.1	17.6	18.1	3.60	15.00	2.64	3.61	5.55	3.28	4.42	6.74
																		12.8	13.4	14.0	14.5	4.20	18.00	3.39	4.66	7.17	3.94	5.32	8.07
								11.2	11.7	12.3	12.9	13.4	14.0	14.5	15.1	15.6	16.1	16.7	17.2	17.7	18.3	3.40	15.00	2.39	3.25	4.97	3.05	4.11	6.27
																		12.9	13.5	14.1	14.7	4.00	18.00	3.14	4.31	6.65	3.72	5.03	7.64
							10.7	11.3	11.9	12.4	13.0	13.5	14.1	14.7	15.2	15.7	16.3	16.8	17.3	17.9	18.4	3.20	15.00	2.13	2.89	4.38	2.82	3.80	5.78
																	12.4	13.0	13.6	14.2	14.8	3.80	18.00	2.89	3.96	6.10	3.50	4.72	7.20
							10.8	11.4	12.0	12.5	13.1	13.7	14.2	14.8	15.3	15.9	16.4	16.9	17.5	18.0	18.5	3.00	15.00	1.88	2.53	3.78	2.59	3.48	5.28
																	12.6	13.2	13.8	14.3	14.9	3.60	18.00	2.64	3.61	5.55	3.28	4.42	6.74
																	12.7	13.3	13.9	14.5	15.0	3.40	18.00	2.39	3.25	4.97	3.05	4.11	6.27
																12.2	12.8	13.4	14.0	14.6	15.2	3.20	18.00	2.13	2.89	4.38	2.82	3.80	5.78
																12.3	12.9	13.5	14.1	14.7	15.3	3.00	18.00	1.88	2.53	3.78	2.59	3.48	5.28

Key to correction factors: 0.7 0.8 0.9 1.0

† Rim speed higher than 7,000 feet per minute. See Page 218.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 14

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																								
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	A67 AX67	A68 AX68	A69 AX69	A70 AX70	A71 AX71	A72 AX72	A73 AX73	A74 AX74	A75 AX75	A76 AX76	A77 AX77	A78 AX78	A79 AX79	A80 AX80	A81 AX81	A82 AX82	A83	A84	A85 AX85	A86 AX86	A87 AX87	A88 AX88	A89	A90 AX90	A91 AX91
475	717	1414	4.20	10.60	2.44	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4
475	717	1414	6.00	15.00	2.44	17.1	17.6	18.1	18.6	19.1	19.6	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3
473	714	1408	3.20	8.20	2.45	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1
460	694	1369	7.00	18.00	2.52			14.5	15.0	15.5	16.1	16.6	17.1	17.7	18.2	18.7	19.2	19.7	20.3	20.8	21.3	21.8	22.3	22.8	23.4	23.9	24.4	24.9	25.4	25.9
458	692	1364	3.40	9.00	2.53	24.2	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3
458	692	1364	4.60	12.00	2.53	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9
455	686	1353	4.00	10.60	2.55	22.4	22.9	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5
446	673	1327	3.00	8.20	2.60	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3
444	670	1322	5.60	15.00	2.61	17.3	17.8	18.4	18.9	19.4	19.9	20.4	20.9	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.6	27.1	27.6	28.1	28.6	29.1	29.6
433	653	1287	3.20	9.00	2.68	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	36.0	36.5
433	653	1287	3.80	10.60	2.68	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7
423	639	1259	6.40	18.00	2.74	13.7	14.3	14.8	15.4	15.9	16.5	17.0	17.5	18.0	18.6	19.1	19.6	20.1	20.7	21.2	21.7	22.2	22.7	23.3	23.8	24.3	24.8	25.3	25.8	26.3
422	636	1255	4.20	12.00	2.75	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2
414	625	1232	5.20	15.00	2.80	17.6	18.1	18.6	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.9	28.4	28.9	29.4	29.9
411	621	1223	3.60	10.60	2.82	22.7	23.2	23.7	24.2	24.7	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8
407	614	1211	3.00	9.00	2.85	24.5	25.0	25.5	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6
403	608	1198	4.00	12.00	2.88	21.2	21.7	22.2	22.7	23.2	23.7	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3
400	603	1190	5.00	15.00	2.90	17.7	18.3	18.8	19.3	19.8	20.3	20.8	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0
397	599	1182	6.00	18.00	2.92	14.0	14.5	15.1	15.6	16.2	16.7	17.2	17.8	18.3	18.8	19.4	19.9	20.4	20.9	21.5	22.0	22.5	23.0	23.5	24.0	24.6	25.1	25.6	26.1	26.6
391	589	1162	3.40	10.60	2.97	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	32.0	32.5	33.0	33.5	34.0	34.5	35.0
384	579	1142	3.80	12.00	3.02	21.3	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5
384	579	1142	4.80	15.00	3.02	17.9	18.4	18.9	19.4	19.9	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.2	29.7	30.2
372	561	1106	5.60	18.00	3.12	14.2	14.8	15.3	15.9	16.4	17.0	17.5	18.0	18.6	19.1	19.6	20.2	20.7	21.2	21.7	22.2	22.8	23.3	23.8	24.3	24.8	25.4	25.9	26.4	26.9
369	557	1099	3.20	10.60	3.14	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1
369	557	1099	4.60	15.00	3.14	18.0	18.5	19.0	19.6	20.1	20.6	21.1	21.6	22.1	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.3	27.8	28.3	28.8	29.3	29.8	30.3
365	550	1085	3.60	12.00	3.18	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6
347	524	1033	3.00	10.60	3.34	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.3	33.8	34.3	34.8	35.3
346	522	1030	5.20	18.00	3.35	14.5	15.0	15.6	16.1	16.7	17.2	17.8	18.3	18.8	19.4	19.9	20.4	20.9	21.5	22.0	22.5	23.0	23.6	24.1	24.6	25.1	25.6	26.1	26.7	27.2
345	521	1027	3.40	12.00	3.36	21.6	22.1	22.6	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.8	31.3	31.8	32.3	32.8	33.3	33.8
338	510	1006	4.20	15.00	3.43	18.3	18.8	19.3	19.8	20.3	20.9	21.4	21.9	22.4	22.9	23.4	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.6	29.1	29.6	30.1	30.6
333	503	991	5.00	18.00	3.48	14.6	15.2	15.7	16.3	16.8	17.4	17.9	18.4	19.0	19.5	20.0	20.5	21.1	21.6	22.1	22.6	23.2	23.7	24.2	24.7	25.2	25.8	26.3	26.8	27.3
327	493	972	3.20	12.00	3.55	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9
323	487	961	4.00	15.00	3.59	18.4	18.9	19.4	20.0	20.5	21.0	21.5	22.0	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7
321	485	956	4.80	18.00	3.61	14.7	15.3	15.8	16.4	16.9	17.5	18.0	18.6	19.1	19.6	20.2	20.7	21.2	21.7	22.3	22.8	23.3	23.8	24.3	24.9	25.4	25.9	26.4	26.9	27.4
309	465	918	4.60	18.00	3.76	14.9	15.4	16.0	16.5	17.1	17.6	18.1	18.7	19.2	19.8	20.3	20.8	21.3	21.9	22.4	22.9	23.4	24.0	24.5	25.0	25.5	26.0	26.6	27.1	27.6
308	464	915	3.00	12.00	3.77	21.9	22.4	22.9	23.4	23.9	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.1	32.6	33.1	33.6	34.1
308	464	915	3.80	15.00	3.77	18.5	19.1	19.6	20.1	20.6	21.1	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.9	30.4	30.9
293	442	871	3.60	15.00	3.96	18.7	19.2	19.7	20.2	20.8	21.3	21.8	22.3	22.8	23.3	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	28.0	28.5	29.0	29.5	30.0	30.5	31.0
283	427	841	4.20	18.00	4.10	15.1	15.7	16.2	16.8	17.3	17.9	18.4	18.9	19.5	20.0	20.5	21.1	21.6	22.1	22.7	23.2	23.7	24.2	24.7	25.3	25.8	26.3	26.8	27.3	27.9
278	419	825	3.40	15.00	4.18	18.8	19.3	19.8	20.4	20.9	21.4	21.9	22.4	23.0	23.5	24.0	24.5	25.0	25.5	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.2
270	408	804	4.00	18.00	4.29	15.2	15.8	16.3	16.9	17.4	18.0	18.5	19.1	19.6	20.1	20.7	21.2	21.7	22.3	22.8	23.3	23.8	24.4	24.9	25.4	25.9	26.4	27.0	27.5	28.0
262	396	781	3.20	15.00	4.42	18.9	19.5	20.0	20.5	21.0	21.5	22.1	22.6	23.1	23.6	24.1	24.6	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.3	29.8	30.3	30.8	31.3
257	388	765	3.80	18.00	4.51	15.4	15.9	16.5	17.0	17.6	18.1	18.7	19.2	19.7	20.3	20.8	21.3	21.9	22.4	22.9	23.4	24.0	24.5	25.0	25.5	26.1	26.6	27.1	27.6	28.1
247	373	736	3.00	15.00	4.69	19.1	19.6	20.1	20.6	21.2	21.7	22.2	22.7	23.2	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4
245	369	728	3.60	18.00	4.74	15.5	16.0	16.6	17.2	17.7	18.2	18.8	19.3	19.9	20.4	20.9	21.5	22.0	22.5	23.1	23.6	24.1	24.6	25.1	25.7	26.2	26.7	27.2	27.7	28.3
232	350	690	3.40	18.00	5.00	15.6	16.2	16.7	17.3	17.8	18.4	18.9	19.5	20.0	20.5	21.1	21.6	22.1	22.7	23.2	23.7	24.2	24.8	25.3	25.8	26.3	26.8	27.4	27.9	28.4
219	331	652	3.20	18.00	5.29	15.7	16.3	16.8	17.4	18.0	18.5	19.0	19.6	20.1	20.7	21.2	21.7	22.3	22.8	23.3	23.8	24.4	24.9	25.4	25.9	26.5	27.0	27.5	28.0	28.5
206	311	614	3.00	18.00	5.62	15.8	16.4	17.0	17.5	18.1	18.6	19.2	19.7	20.3	20.8	21.3	21.9	22.4	22.9	23.4	24.0	24.5	25.0	25.5	26.1	26.6	27.1	27.6	28.2	28.7

Key to correction factors: 0.8 0.9 1.0 1.1

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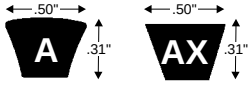
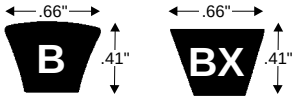


V-Belt No. and Center Distance																										Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																												Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
A92 AX92	A93 AX93	A94 AX94	A95	A96 AX96	A97 AX97	A98 AX98	A100	A103 AX103	A105 AX105	A110 AX110	A112 AX112	A115	A120 AX120	A124	A128 AX128	A133	A136	A144 AX144	A158	A173 AX173	A180	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.9	40.4	41.4	43.9	44.9	46.4	48.9	50.9	52.9	55.4	56.9	60.9	68.0	75.5	79.0	4.20	10.60	3.39	4.66	7.17	3.89	5.25	7.92
29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.9	35.4	36.4	38.9	39.9	41.4	43.9	45.9	47.9	50.5	52.0	56.0	63.0	70.5	74.0	6.00	15.00	5.54	7.61	†11.10	5.77	7.75	†11.10
37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.6	43.1	44.1	46.6	47.6	49.1	51.6	53.6	55.6	58.1	59.6	63.6	70.7	78.2	81.7	3.20	8.20	2.13	2.89	4.38	2.78	3.72	5.64
26.4	27.0	27.5	28.0	28.5	29.0	29.5	30.5	32.0	33.1	35.6	36.6	38.1	40.6	42.7	44.7	47.2	48.7	52.7	59.8	67.3	70.8	7.00	18.00	6.68	9.13	†	6.74	9.00	†
36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.8	42.3	43.3	45.8	46.8	48.3	50.8	52.8	54.8	57.3	58.8	62.8	69.9	77.4	80.9	3.40	9.00	2.39	3.25	4.97	3.00	4.04	6.13
33.4	33.9	34.4	34.9	35.4	35.9	36.4	37.4	38.9	39.9	42.5	43.5	45.0	47.5	49.5	51.5	54.0	55.5	59.5	66.5	74.0	77.5	4.60	12.00	3.88	5.34	8.18	4.32	5.83	8.73
35.0	35.5	36.0	36.5	37.0	37.5	38.0	39.0	40.5	41.6	44.1	45.1	46.6	49.1	51.1	53.1	55.6	57.1	61.1	68.1	75.6	79.1	4.00	10.60	3.14	4.31	6.65	3.67	4.95	7.49
37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.8	43.3	44.3	46.8	47.8	49.3	51.8	53.8	55.8	58.3	59.8	63.8	70.8	78.3	81.8	3.00	8.20	1.88	2.53	3.78	2.54	3.40	5.14
30.1	30.6	31.1	31.6	32.1	32.6	33.1	34.1	35.7	36.7	39.2	40.2	41.7	44.2	46.2	48.2	50.8	52.3	56.3	63.3	70.8	74.3	5.60	15.00	5.07	6.98	10.40	5.36	7.22	10.50
37.0	37.5	38.0	38.5	39.0	39.5	40.0	41.0	42.5	43.5	46.0	47.0	48.5	51.0	53.0	55.0	57.5	59.0	63.0	70.0	77.5	81.0	3.20	9.00	2.13	2.89	4.38	2.78	3.72	5.64
35.2	35.7	36.2	36.7	37.2	37.7	38.2	39.2	40.7	41.7	44.2	45.2	46.7	49.2	51.2	53.2	55.7	57.2	61.2	68.3	75.8	79.3	3.80	10.60	2.89	3.96	6.10	3.45	4.65	7.05
26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.9	32.5	33.5	36.0	37.0	38.5	41.1	43.1	45.1	47.6	49.1	53.2	60.2	67.7	71.3	6.40	18.00	6.00	8.23	†11.80	6.16	8.26	†11.60
33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.7	39.2	40.2	42.7	43.8	45.3	47.8	49.8	51.8	54.3	55.8	59.8	66.8	74.3	77.8	4.20	12.00	3.39	4.66	7.17	3.89	5.25	7.92
30.4	30.9	31.4	31.9	32.4	32.9	33.4	34.4	36.0	37.0	39.5	40.5	42.0	44.5	46.5	48.5	51.0	52.6	56.6	63.6	71.1	74.6	5.20	15.00	4.60	6.33	9.55	4.95	6.67	9.82
35.3	35.8	36.3	36.8	37.3	37.8	38.3	39.3	40.8	41.9	44.4	45.4	46.9	49.4	51.4	53.4	55.9	57.4	61.4	68.4	75.9	79.4	3.60	10.60	2.64	3.61	5.55	3.23	4.35	6.60
37.1	37.6	38.1	38.6	39.1	39.6	40.1	41.1	42.6	43.6	46.1	47.1	48.6	51.1	53.1	55.1	57.6	59.1	63.2	70.2	77.7	81.2	3.00	9.00	1.88	2.53	3.78	2.54	3.40	5.14
33.8	34.4	34.9	35.4	35.9	36.4	36.9	37.9	39.4	40.4	42.9	43.9	45.4	47.9	49.9	51.9	54.4	55.9	60.0	67.0	74.5	78.0	4.00	12.00	3.14	4.31	6.65	3.67	4.95	7.49
30.5	31.0	31.5	32.1	32.6	33.1	33.6	34.6	36.1	37.1	39.6	40.6	42.1	44.7	46.7	48.7	51.2	52.7	56.7	63.7	71.3	74.8	5.00	15.00	4.36	6.00	9.11	4.75	6.40	9.47
27.1	27.6	28.2	28.7	29.2	29.7	30.2	31.2	32.7	33.8	36.3	37.3	38.8	41.4	43.4	45.4	47.9	49.4	53.5	60.5	68.0	71.5	6.00	18.00	5.54	7.61	†11.10	5.77	7.75	†11.10
35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.5	41.0	42.0	44.5	45.5	47.0	49.5	51.5	53.5	56.0	57.5	61.5	68.6	76.1	79.6	3.40	10.60	2.39	3.25	4.97	3.00	4.04	6.13
34.0	34.5	35.0	35.5	36.0	36.5	37.0	38.0	39.5	40.5	43.0	44.0	45.6	48.1	50.1	52.1	54.6	56.1	60.1	67.1	74.6	78.1	3.80	12.00	2.89	3.96	6.10	3.50	4.72	7.20
30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.7	36.2	37.2	39.8	40.8	42.3	44.8	46.8	48.8	51.3	52.9	56.9	63.9	71.4	74.9	4.80	15.00	4.12	5.67	8.65	4.58	6.19	9.25
27.4	27.9	28.4	28.9	29.5	30.0	30.5	31.5	33.0	34.0	36.6	37.6	39.1	41.7	43.7	45.7	48.2	49.7	53.8	60.8	68.3	71.8	5.60	18.00	5.07	6.98	10.40	5.41	7.29	10.60
35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.6	41.1	42.1	44.7	45.7	47.2	49.7	51.7	53.7	56.2	57.7	61.7	68.7	76.2	79.7	3.20	10.60	2.13	2.89	4.38	2.82	3.80	5.78
30.8	31.3	31.8	32.3	32.8	33.3	33.9	34.9	36.4	37.4	39.9	40.9	42.4	45.0	47.0	49.0	51.5	53.0	57.0	64.0	71.6	75.1	4.60	15.00	3.88	5.34	8.18	4.37	5.90	8.87
34.1	34.6	35.1	35.7	36.2	36.7	37.2	38.2	39.7	40.7	43.2	44.2	45.7	48.2	50.2	52.2	54.7	56.2	60.3	67.3	74.8	78.3	3.60	12.00	2.64	3.61	5.55	3.28	4.42	6.74
35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.8	41.3	42.3	44.8	45.8	47.3	49.8	51.8	53.8	56.3	57.8	61.9	68.9	76.4	79.9	3.00	10.60	1.88	2.53	3.78	2.59	3.48	5.28
27.7	28.2	28.7	29.2	29.7	30.2	30.8	31.8	33.3	34.3	36.9	37.9	39.4	41.9	44.0	46.0	48.5	50.0	54.0	61.1	68.6	72.1	5.20	18.00	4.60	6.33	9.55	5.00	6.75	9.97
34.3	34.8	35.3	35.8	36.3	36.8	37.3	38.3	39.8	40.8	43.3	44.3	45.9	48.4	50.4	52.4	54.9	56.4	60.4	67.4	74.9	78.4	3.40	12.00	2.39	3.25	4.97	3.05	4.11	6.27
31.1	31.6	32.1	32.6	33.1	33.6	34.1	35.2	36.7	37.7	40.2	41.2	42.7	45.2	47.3	49.3	51.8	53.3	57.3	64.3	71.9	75.4	4.20	15.00	3.39	4.66	7.17	3.94	5.32	8.07
27.8	28.3	28.9	29.4	29.9	30.4	30.9	31.9	33.5	34.5	37.0	38.0	39.6	42.1	44.1	46.1	48.7	50.2	54.2	61.2	68.8	72.3	5.00	18.00	4.36	6.00	9.11	4.79	6.47	9.62
34.4	34.9	35.4	35.9	36.4	36.9	37.5	38.5	40.0	41.0	43.5	44.5	46.0	48.5	50.5	52.5	55.0	56.5	60.6	67.6	75.1	78.6	3.20	12.00	2.13	2.89	4.38	2.82	3.80	5.78
31.2	31.7	32.3	32.8	33.3	33.8	34.3	35.3	36.8	37.8	40.4	41.4	42.9	45.4	47.4	49.4	51.9	53.4	57.5	64.5	72.0	75.5	4.00	15.00	3.14	4.31	6.65	3.72	5.03	7.64
28.0	28.5	29.0	29.5	30.0	30.5	31.0	32.1	33.6	34.6	37.2	38.2	39.7	42.2	44.2	46.3	48.8	50.3	54.3	61.4	68.9	72.4	4.80	18.00	4.12	5.67	8.65	4.58	6.19	9.25
28.1	28.6	29.1	29.6	30.2	30.7	31.2	32.2	33.7	34.8	37.3	38.3	39.8	42.4	44.4	46.4	48.9	50.5	54.5	61.5	69.1	72.6	4.60	18.00	3.88	5.34	8.18	4.37	5.90	8.87
34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.6	40.1	41.1	43.6	44.6	46.1	48.7	50.7	52.7	55.2	56.7	60.7	67.7	75.2	78.7	3.00	12.00	1.88	2.53	3.78	2.59	3.48	5.28
31.4	31.9	32.4	32.9	33.4	33.9	34.4	35.4	37.0	38.0	40.5	41.5	43.0	45.5	47.6	49.6	52.1	53.6	57.6	64.6	72.2	75.7	3.80	15.00	2.89	3.96	6.10	3.50	4.72	7.20
31.5	32.0	32.5	33.0	33.6	34.1	34.6	35.6	37.1	38.1	40.6	41.7	43.2	45.7	47.7	49.7	52.2	53.7	57.8	64.8	72.3	75.8	3.60	15.00	2.64	3.61	5.55	3.28	4.42	6.74
28.4	28.9	29.4	29.9	30.4	30.9	31.5	32.5	34.0	35.0	37.6	38.6	40.1	42.7	44.7	46.7	49.2	50.7	54.8	61.8	69.4	72.9	4.20	18.00	3.39	4.66	7.17	3.94	5.32	8.07
31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.7	37.2	38.3	40.8	41.8	43.3	45.8	47.8	49.9	52.4	53.9	57.9	64.9	72.5	76.0	3.40	15.00	2.39	3.25	4.97	3.05	4.11	6.27
28.5	29.0	29.5	30.1	30.6	31.1	31.6	32.6	34.2	35.2	37.7	38.7	40.3	42.8	44.8	46.8	49.4	50.9	54.9	62.0	69.5	73.0	4.00	18.00	3.14	4.31	6.65	3.72	5.03	7.64
31.8	32.3	32.8	33.3	33.8	34.3	34.9	35.9	37.4	38.4	40.9	41.9	43.5	46.0	48.0	50.0	52.5	54.0	58.1	65.1	72.6	76.1	3.20	15.00	2.13	2.89	4.38	2.82	3.80	5.78
28.6	29.2	29.7	30.2	30.7	31.2	31.7	32.8	34.3	35.3	37.9	38.9	40.4	42.9	45.0	47.0	49.5	51.0	55.1	62.1	69.7	73.2	3.80	18.00	2.89	3.96	6.10	3.50	4.72	7.20
31.9	32.5	33.0	33.5	34.0	34.5	35.0	36.0	37.5	38.5	41.1	42.1	43.6	46.1	48.1	50.2	52.7	54.2	58.2	65.2	72.8	76.3	3.00	15.00	1.88	2.53	3.78	2.59	3.48	5.28
28.8	29.3	29.8	30.3	30.8	31.4	31.9	32.9	34.4	35.5	38.0	39.0	40.5	43.1	45.1	47.1	49.7	51.2	55.2	62.3	69.8	73.3	3.60	18.00	2.64	3.61	5.55	3.28	4.42	6.74
28.9	29.4	29.9	30.5	31.0	31.5	32.0	33.0	34.6	35.6	38.1	39.2	40.7	43.2	45.3	47.3	49.8	51.3	55.4	62.4	70.0	73.5	3.40	18.00	2.39	3.25	4.97	3.05	4.11	6.27
29.1	29.6	30.1	30.6	31.1	31.6	32.1	33.2	34.7	35.7	38.3	39.3	40.8	43.4	45.4	47.4	50.0	51.5	55.5	62.6	70.1	73.6	3.20	18.00	2.13	2.89	4.38	2.82	3.80	5.78
29.2	29.7	30.2	30.7	31.3	31.8	32.3	33.3	34.8	35.9	38.4	39.4	41.0	43.5	45.5	47.6	50.1	51.6	55.7	62.7	70.3	73.8	3.00	18.00	1.88	2.53	3.78	2.59	3.48	5.28

Key to correction factors: 1.0 1.1 1.2

† Rim speed higher than 7,000 feet per minute. See Page 218.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 15

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																		
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	B28 BX28	B29	B30	B31	B32 BX32	B33	B34 BX34	B35 BX35	B36 BX36	B37	B38 BX38	B39	B40 BX40	B41	B42 BX42	B43 BX43	B44 BX44	B45 BX45	B46 BX46	B47 BX47
870	1160	1750	*4.60	*4.60	1.00	7.7				9.7		10.7	11.2	11.7		12.7		13.7		14.7	15.2	15.7	16.2	16.7	17.2
870	1160	1750	*5.00	*5.00	1.00	7.0				9.0		10.0	10.5	11.0		12.0		13.0		14.0	14.5	15.0	15.5	16.0	16.5
870	1160	1750	*5.20	*5.20	1.00	6.7				8.7		9.7	10.2	10.7		11.7		12.7		13.7	14.2	14.7	15.2	15.7	16.2
870	1160	1750	5.40	5.40	1.00		6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9
870	1160	1750	5.60	5.60	1.00			7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6
870	1160	1750	6.00	6.00	1.00					7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0
870	1160	1750	6.40	6.40	1.00							7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3
870	1160	1750	6.80	6.80	1.00									8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7
870	1160	1750	7.40	7.40	1.00												8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8
870	1160	1750	8.60	8.60	1.00																			10.4	10.9
870	1160	1750	9.40	9.40	1.00																				
845	1126	1699	5.40	5.60	1.03			7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8
837	1115	1683	*5.00	*5.20	1.04	6.9				8.9		9.9	10.4	10.9		11.9		12.9		13.9	14.4	14.9	15.4	15.9	16.4
837	1115	1683	*5.20	5.40	1.04					8.6		9.6	10.1	10.6		11.6		12.6		13.6	14.1	14.6	15.1	15.6	16.1
821	1094	1651	6.00	6.40	1.06						7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7
821	1094	1651	6.40	6.80	1.06								8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
813	1084	1636	*5.00	5.40	1.07	6.7				8.7		9.7	10.2	10.7		11.7		12.7		13.7	14.2	14.7	15.2	15.7	16.2
813	1084	1636	*5.20	5.60	1.07					8.4		9.4	9.9	10.4		11.4		12.4		13.4	13.9	14.4	14.9	15.4	15.9
813	1084	1636	5.60	6.00	1.07				7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3
806	1074	1620	*4.60	*5.00	1.08	7.4				9.4		10.4	10.9	11.4		12.4		13.4		14.4	14.9	15.4	15.9	16.4	16.9
806	1074	1620	6.80	7.40	1.08											8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2
798	1064	1606	8.60	9.40	1.09																				
791	1055	1591	5.40	6.00	1.10				7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4
784	1045	1577	*5.00	5.60	1.11					8.6		9.6	10.1	10.6		11.6		12.6		13.6	14.1	14.6	15.1	15.6	16.1
777	1036	1563	*4.60	*5.20	1.12	7.2				9.2		10.2	10.7	11.2		12.2		13.2		14.2	14.7	15.2	15.7	16.2	16.7
770	1027	1549	5.60	6.40	1.13					7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0
770	1027	1549	6.00	6.80	1.13							7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3
763	1018	1535	*5.20	6.00	1.14					8.1		9.1	9.6	10.1		11.1		12.1		13.1	13.6	14.1	14.6	15.1	15.6
757	1009	1522	6.40	7.40	1.15										8.5	9.0	9.5	10.0	10.5	11.1	11.6	12.1	12.6	13.1	13.6
757	1009	1522	7.40	8.60	1.15																9.8	10.3	10.8	11.3	11.8
750	1000	1509	*4.60	5.40	1.16	7.0				9.0		10.0	10.5	11.0		12.0		13.0		14.0	14.5	15.0	15.5	16.0	16.5
750	1000	1509	9.40	11.00	1.16																				
744	991	1496	5.40	6.40	1.17					7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1
731	975	1471	*5.00	6.00	1.19					8.2		9.2	9.7	10.2		11.2		12.3		13.3	13.8	14.3	14.8	15.3	15.8
725	967	1458	*4.60	5.60	1.20	6.9				8.9		9.9	10.4	10.9		11.9		12.9		13.9	14.4	14.9	15.4	15.9	16.4
725	967	1458	5.60	6.80	1.20						7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6
713	951	1434	*5.20	6.40	1.22					7.8		8.8	9.3	9.8		10.8		11.8		12.8	13.3	13.8	14.3	14.8	15.3
713	951	1434	6.00	7.40	1.22									8.3	8.8	9.3	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9
702	935	1411	5.40	6.80	1.24						7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8
696	928	1400	6.80	8.60	1.25														9.3	9.8	10.3	10.8	11.3	11.8	12.3
690	921	1389	*5.00	6.40	1.26					7.9		8.9	9.4	9.9		10.9		11.9		12.9	13.4	13.9	14.4	14.9	15.4
690	921	1389	7.40	9.40	1.26																		10.2	10.7	11.2
685	913	1378	8.60	11.00	1.27																				
680	906	1367	*4.60	6.00	1.28					8.5		9.5	10.1	10.6		11.6		12.6		13.6	14.1	14.6	15.1	15.6	16.1
674	899	1357	*5.20	6.80	1.29					7.4		8.4	8.9	9.4		10.4		11.4		12.4	13.0	13.5	14.0	14.5	15.0
669	892	1346	5.60	7.40	1.30								8.1	8.6	9.1	9.6	10.1	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2
664	885	1336	9.40	12.40	1.31																				
654	872	1316	6.40	8.60	1.33													9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6
649	866	1306	*5.00	6.80	1.34					7.6		8.6	9.1	9.6		10.6		11.6		12.6	13.1	13.6	14.1	14.6	15.1
644	859	1296	5.40	7.40	1.35							7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3
640	853	1287	*4.60	6.40	1.36					8.2		9.2	9.7	10.2		11.2		12.2		13.2	13.7	14.2	14.7	15.2	15.7
640	853	1287	6.80	9.40	1.36																9.6	10.1	10.6	11.1	11.6
621	829	1250	*5.20	7.40	1.40							7.9	8.4	8.9		9.9		10.9		12.0	12.5	13.0	13.5	14.0	14.5
617	823	1241	6.00	8.60	1.41												8.8	9.3	9.8	10.4	10.9	11.4	11.9	12.4	12.9

Key to correction factors: 0.7 0.8

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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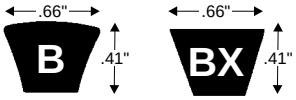
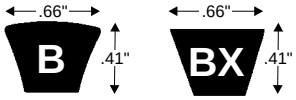


V-Belt No. and Center Distance																			Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																					Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
B48 BX48	B49 BX49	B50 BX50	B51 BX51	B52 BX52	B53 BX53	B54 BX54	B55 BX55	B56 BX56	B57 BX57	B58 BX58	B59 BX59	B60 BX60	B61 BX61	B62 BX62	B63 BX63	B64 BX64	B65 BX65	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	*4.60	*4.60				4.42	5.48	7.30
17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	*5.00	*5.00				4.90	6.08	8.11
16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	*5.20	*5.20				5.14	6.38	8.50
16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	5.40	5.40	4.47	5.54	7.33	5.38	6.67	8.89
16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	5.60	5.60	4.76	5.92	7.84	5.61	6.96	9.28
15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	6.00	6.00	5.35	6.66	8.85	6.07	7.54	10.0
14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	6.40	6.40	5.93	7.39	9.83	6.53	8.10	10.8
14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	6.80	6.80	6.50	8.12	10.80	6.98	8.66	11.5
13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	7.40	7.40	7.36	9.18	12.20	7.65	9.48	12.50
11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	8.60	8.60	9.02	11.30	14.80	8.94	11.00	14.50
		11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	9.40	9.40	10.10	12.60	16.40	9.77	12.00	15.60
16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	5.40	5.60	4.56	5.67	7.53	5.43	6.74	9.01
16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	*5.00	*5.20				4.96	6.15	8.22
16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	*5.20	5.40				5.20	6.45	8.61
15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	6.00	6.40	5.49	6.85	9.14	6.13	7.61	10.20
14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	6.40	6.80	6.07	7.59	10.10	6.59	8.18	10.90
16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	*5.00	5.40				5.02	6.23	8.33
16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	*5.20	5.60				5.25	6.52	8.73
15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	5.60	6.00	4.91	6.11	8.14	5.72	7.11	9.51
17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	*4.60	*5.00				4.54	5.63	7.52
13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	6.80	7.40	6.70	8.38	11.20	7.09	8.81	11.70
10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	8.60	9.40	9.21	11.50	15.20	9.05	11.20	14.70
15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	5.40	6.00	4.66	5.80	7.72	5.49	6.82	9.12
16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	*5.00	5.60				5.02	6.23	8.33
17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	*4.60	*5.20				4.54	5.63	7.52
15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	5.60	6.40	5.00	6.24	8.33	5.78	7.19	9.62
14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	6.00	6.80	5.59	6.98	9.33	6.24	7.76	10.40
16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	*5.20	6.00				5.31	6.60	8.84
14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	6.40	7.40	6.17	7.72	10.30	6.70	8.33	11.10
12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	7.40	8.60	7.60	9.51	12.70	7.81	9.70	12.90
17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	*4.60	5.40				4.59	5.70	7.63
						11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	9.40	11.00	10.40	13.00	16.90	9.94	12.30	16.00
15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	5.40	6.40	4.76	5.93	7.92	5.55	6.89	9.23
16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	*5.00	6.00				5.07	6.30	8.44
16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	*4.60	5.60				4.59	5.70	7.63
15.1	15.6	16.1	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	5.60	6.80	5.05	6.30	8.43	5.78	7.19	9.62
15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	*5.20	6.40				5.36	6.67	8.95
14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	6.00	7.40	5.69	7.11	9.53	6.30	7.84	10.50
15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	5.40	6.80	4.80	5.99	8.01	5.60	6.97	9.34
12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	6.80	8.60	6.84	8.57	11.50	7.21	8.96	11.90
15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	*5.00	6.40				5.13	6.38	8.55
11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	7.40	9.40	7.69	9.63	12.80	7.87	9.77	13.00
				11.4	11.9	12.4	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	8.60	11.00	9.36	11.70	15.40	9.16	11.30	14.90
16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	*4.60	6.00				4.65	5.77	7.74
15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	*5.20	6.80				5.36	6.67	8.95
14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	5.60	7.40	5.10	6.37	8.52	5.89	7.33	9.84
										12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	9.40	12.40	10.40	13.00	17.00	10.00	12.40	16.20
13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	6.40	8.60	6.32	7.91	10.60	6.81	8.48	11.30
15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	*5.00	6.80				5.18	6.45	8.67
14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	5.40	7.40	4.85	6.06	8.11	5.66	7.04	9.45
16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	*4.60	6.40				4.70	5.85	7.86
12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	6.80	9.40	6.89	8.63	11.60	7.26	9.03	12.10
15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	*5.20	7.40				5.42	6.75	9.06
13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	6.00	8.60	5.73	7.18	9.63	6.35	7.91	10.60

Key to correction factors: 0.8 0.9

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 15

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																	
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	B66 BX66	B67 BX67	B68 BX68	B69 BX69	B70 BX70	B71 BX71	B72 BX72	B73 BX73	B74 BX74	B75 BX75	B76 BX76	B77 BX77	B78 BX78	B79 BX79	B80 BX80	B81 BX81	B82 BX82	B83 BX83	B84 BX84	B85 BX85
870	1160	1750	*4.60	*4.60	1.00	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2
870	1160	1750	*5.00	*5.00	1.00	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
870	1160	1750	*5.20	*5.20	1.00	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2
870	1160	1750	5.40	5.40	1.00	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9
870	1160	1750	5.60	5.60	1.00	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6
870	1160	1750	6.00	6.00	1.00	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0
870	1160	1750	6.40	6.40	1.00	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3
870	1160	1750	6.80	6.80	1.00	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7
870	1160	1750	7.40	7.40	1.00	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8
870	1160	1750	8.60	8.60	1.00	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9
870	1160	1750	9.40	9.40	1.00	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6
845	1126	1699	5.40	5.60	1.03	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8
837	1115	1683	*5.00	*5.20	1.04	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4
837	1115	1683	*5.20	5.40	1.04	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1
821	1094	1651	6.00	6.40	1.06	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7
821	1094	1651	6.40	6.80	1.06	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0
813	1084	1636	*5.00	5.40	1.07	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2
813	1084	1636	*5.20	5.60	1.07	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9
813	1084	1636	5.60	6.00	1.07	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3
806	1074	1620	*4.60	*5.00	1.08	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9
806	1074	1620	6.80	7.40	1.08	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2
798	1064	1606	8.60	9.40	1.09	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3
791	1055	1591	5.40	6.00	1.10	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4
784	1045	1577	*5.00	5.60	1.11	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1
777	1036	1563	*4.60	*5.20	1.12	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7
770	1027	1549	5.60	6.40	1.13	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0
770	1027	1549	6.00	6.80	1.13	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3
763	1018	1535	*5.20	6.00	1.14	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6
757	1009	1522	6.40	7.40	1.15	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6
757	1009	1522	7.40	8.60	1.15	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8
750	1000	1509	*4.60	5.40	1.16	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
750	1000	1509	9.40	11.00	1.16	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4
744	991	1496	5.40	6.40	1.17	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1
731	975	1471	*5.00	6.00	1.19	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8
725	967	1458	*4.60	5.60	1.20	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4
725	967	1458	5.60	6.80	1.20	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7
713	951	1434	*5.20	6.40	1.22	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3
713	951	1434	6.00	7.40	1.22	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9
702	935	1411	5.40	6.80	1.24	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8
696	928	1400	6.80	8.60	1.25	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3
690	921	1389	*5.00	6.40	1.26	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4
690	921	1389	7.40	9.40	1.26	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2
685	913	1378	8.60	11.00	1.27	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0
680	906	1367	*4.60	6.00	1.28	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1
674	899	1357	*5.20	6.80	1.29	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0
669	892	1346	5.60	7.40	1.30	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2
664	885	1336	9.40	12.40	1.31	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2
654	872	1316	6.40	8.60	1.33	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6
649	866	1306	*5.00	6.80	1.34	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1
644	859	1296	5.40	7.40	1.35	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3
640	853	1287	*4.60	6.40	1.36	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7
640	853	1287	6.80	9.40	1.36	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6
621	829	1250	*5.20	7.40	1.40	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5
617	823	1241	6.00	8.60	1.41	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9

Key to correction factors: 0.9 1.0

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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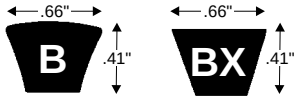
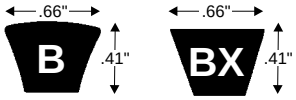


V-Belt No. and Center Distance																	Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																			Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
B86 BX86	B87 BX87	B88 BX88	B89 BX89	B90 BX90	B91 BX91	B92 BX92	B93 BX93	B94 BX94	B95 BX95	B96 BX96	B97 BX97	BX98	B99 BX99	B100 BX100	B103 BX103	B105 BX105	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7	41.2	41.7	42.2		43.2	43.7	45.2	46.2	*4.60	*4.60				4.42	5.48	7.30
36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5		42.5	43.0	44.5	45.5	*5.00	*5.00				4.90	6.08	8.11
35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7	41.2		42.2	42.7	44.2	45.2	*5.20	*5.20				5.14	6.38	8.50
35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.4	41.9	42.4	43.9	44.9	5.40	5.40	4.47	5.54	7.33	5.38	6.67	8.89
35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1	41.6	42.1	43.6	44.6	5.60	5.60	4.76	5.92	7.84	5.61	6.96	9.28
34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	43.0	44.0	6.00	6.00	5.35	6.66	8.85	6.07	7.54	10.00
33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	42.3	43.3	6.40	6.40	5.93	7.39	9.83	6.53	8.10	10.80
33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	41.7	42.7	6.80	6.80	6.50	8.12	10.80	6.98	8.66	11.50
32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	40.8	41.8	7.40	7.40	7.36	9.18	12.20	7.65	9.48	12.50
30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	38.9	39.9	8.60	8.60	9.02	11.30	14.80	8.94	11.00	14.50
29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	37.6	38.6	9.40	9.40	10.10	12.60	16.40	9.77	12.00	15.60
35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.3	41.8	42.3	43.8	44.8	5.40	5.60	4.56	5.67	7.53	5.43	6.74	9.01
35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.4		42.4	42.9	44.4	45.4	*5.00	*5.20				4.96	6.15	8.22
35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1		42.1	42.6	44.1	45.1	*5.20	5.40				5.20	6.45	8.61
34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7	41.2	42.7	43.7	6.00	6.40	5.49	6.85	9.14	6.13	7.61	10.20
33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	42.0	43.0	6.40	6.80	6.07	7.59	10.10	6.59	8.18	10.9
35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7	41.2		42.2	42.7	44.2	45.2	*5.00	5.40				5.02	6.23	8.33
35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4	40.9		41.9	42.4	43.9	44.9	*5.20	5.60				5.25	6.52	8.73
34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.3	41.8	43.3	44.3	5.60	6.00	4.91	6.11	8.14	5.72	7.11	9.51
36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.4	41.9		42.9	43.4	44.9	45.9	*4.60	*5.00				4.54	5.63	7.52
32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	41.2	42.2	6.80	7.40	6.70	8.38	11.20	7.09	8.81	11.70
29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	38.3	39.3	8.60	9.40	9.21	11.50	15.20	9.05	11.20	14.70
34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.4	41.9	43.4	44.4	5.40	6.00	4.66	5.80	7.72	5.49	6.82	9.12
35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1		42.1	42.6	44.1	45.1	*5.00	5.60				5.02	6.23	8.33
36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7	41.2	41.7		42.7	43.2	44.7	45.7	*4.60	*5.20				4.54	5.63	7.52
34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	43.0	44.0	5.60	6.40	5.00	6.24	8.33	5.78	7.19	9.62
33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	42.3	43.3	6.00	6.80	5.59	6.98	9.33	6.24	7.76	10.40
35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6		41.6	42.1	43.6	44.6	*5.20	6.00				5.31	6.60	8.84
33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	41.6	42.6	6.40	7.40	6.17	7.72	10.30	6.70	8.33	11.10
31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	39.8	40.8	7.40	8.60	7.60	9.51	12.70	7.81	9.70	12.90
36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5		42.5	43.0	44.5	45.5	*4.60	5.40				4.59	5.70	7.63
27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	36.4	37.4	9.40	11.00	10.40	13.00	16.90	9.94	12.30	16.00
34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1	41.6	43.1	44.1	5.40	6.40	4.76	5.93	7.92	5.55	6.89	9.23
35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8		41.8	42.3	43.8	44.8	*5.00	6.00				5.07	6.30	8.44
35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.4		42.4	42.9	44.4	45.4	*4.60	5.60				4.59	5.70	7.63
34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7	41.2	42.7	43.7	5.60	6.80	5.05	6.30	8.43	5.78	7.19	9.62
34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3		41.3	41.8	43.3	44.3	*5.20	6.40				5.36	6.67	8.95
33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4	41.9	42.9	6.00	7.40	5.69	7.11	9.53	6.30	7.84	10.50
34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.3	42.8	43.8	5.40	6.80	4.80	5.99	8.01	5.60	6.97	9.34
31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	40.3	41.3	6.80	8.60	6.84	8.57	11.50	7.21	8.96	11.90
34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4		41.4	41.9	43.4	44.4	*5.00	6.40				5.13	6.38	8.55
30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	39.2	40.2	7.40	9.40	7.69	9.63	12.80	7.87	9.77	13.00
28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	37.0	38.0	8.60	11.00	9.36	11.70	15.40	9.16	11.30	14.90
35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1		42.1	42.6	44.1	45.1	*4.60	6.00				4.65	5.77	7.74
34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0		41.0	41.5	43.0	44.0	*5.20	6.80				5.36	6.67	8.95
33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7	42.2	43.2	5.60	7.40	5.10	6.37	8.52	5.89	7.33	9.84
26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	35.2	36.2	9.40	12.40	10.40	13.00	17.00	10.00	12.40	16.20
32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	40.6	41.6	6.40	8.60	6.32	7.91	10.60	6.81	8.48	11.30
34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1		41.1	41.6	43.1	44.1	*5.00	6.80				5.18	6.45	8.67
33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	42.3	43.3	5.40	7.40	4.85	6.06	8.11	5.66	7.04	9.45
35.2	35.7	36.2	36.7	37.2	37.7	38.3	38.8	39.3	39.8	40.3	40.8		41.8	42.3	43.8	44.8	*4.60	6.40				4.70	5.85	7.86
31.1	31.6	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	39.7	40.7	6.80	9.40	6.89	8.63	11.60	7.26	9.03	12.10
34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5		40.5	41.0	42.5	43.5	*5.20	7.40				5.42	6.75	9.06
32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	40.9	41.9	6.00	8.60	5.73	7.18	9.63	6.35	7.91	10.60

Key to correction factors: 1.0

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 15

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																							
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	B106	B108 BX108	B10	B112 BX112	BX113	B114	B115 BX115	B116 BX116	B118	B120 BX120	B124 BX124	B126	B128 BX128	B133 BX133	B136 BX136	B140 BX140	B142	B144 BX144	B148	B150 BX150
870	1160	1750	*4.60	*4.60	1.00		47.7		49.7	50.2		51.2	51.7		53.7	55.7		57.7	60.2	61.7	63.7		65.7		68.7
870	1160	1750	*5.00	*5.00	1.00		47.0		49.0	49.5		50.5	51.0		53.0	55.0		57.0	59.5	61.0	63.0		65.0		68.0
870	1160	1750	*5.20	*5.20	1.00		46.7		48.7	49.2		50.2	50.7		52.7	54.7		56.7	59.2	60.7	62.7		64.7		67.7
870	1160	1750	5.40	5.40	1.00	45.4	46.4	47.4	48.4	48.9	49.4	49.9	50.4	51.4	52.4	54.4	55.4	56.4	58.9	60.4	62.4	63.4	64.4	66.4	67.4
870	1160	1750	5.60	5.60	1.00	45.1	46.1	47.1	48.1	48.6	49.1	49.6	50.1	51.1	52.1	54.1	55.1	56.1	58.6	60.1	62.1	63.1	64.1	66.1	67.1
870	1160	1750	6.00	6.00	1.00	44.5	45.5	46.5	47.5	48.0	48.5	49.0	49.5	50.5	51.5	53.5	54.5	55.5	58.0	59.5	61.5	62.5	63.5	65.5	66.5
870	1160	1750	6.40	6.40	1.00	43.8	44.8	45.8	46.8	47.3	47.8	48.3	48.8	49.8	50.8	52.8	53.8	54.8	57.3	58.8	60.8	61.8	62.8	64.8	65.8
870	1160	1750	6.80	6.80	1.00	43.2	44.2	45.2	46.2	46.7	47.2	47.7	48.2	49.2	50.2	52.2	53.2	54.2	56.7	58.2	60.2	61.2	62.2	64.2	65.2
870	1160	1750	7.40	7.40	1.00	42.3	43.3	44.3	45.3	45.8	46.3	46.8	47.3	48.3	49.3	51.3	52.3	53.3	55.8	57.3	59.3	60.3	61.3	63.3	64.3
870	1160	1750	8.60	8.60	1.00	40.4	41.4	42.4	43.4	43.9	44.4	44.9	45.4	46.4	47.4	49.4	50.4	51.4	53.9	55.4	57.4	58.4	59.4	61.4	62.4
870	1160	1750	9.40	9.40	1.00	39.1	40.1	41.1	42.1	42.6	43.1	43.6	44.1	45.1	46.1	48.1	49.1	50.1	52.6	54.1	56.1	57.1	58.1	60.1	61.1
845	1126	1699	5.40	5.60	1.03	45.3	46.3	47.3	48.3	48.8	49.3	49.8	50.3	51.3	52.3	54.3	55.3	56.3	58.8	60.3	62.3	63.3	64.3	66.3	67.3
837	1115	1683	*5.00	*5.20	1.04		46.9		48.9	49.4		50.4	50.9		52.9	54.9		56.9	59.4	60.9	62.9		64.9		67.9
837	1115	1683	*5.20	5.40	1.04		46.6		48.6	49.1		50.1	50.6		52.6	54.6		56.6	59.1	60.6	62.6		64.6		67.6
821	1094	1651	6.00	6.40	1.06	44.2	45.2	46.2	47.2	47.7	48.2	48.7	49.2	50.2	51.2	53.2	54.2	55.2	57.7	59.2	61.2	62.2	63.2	65.2	66.2
821	1094	1651	6.40	6.80	1.06	43.5	44.5	45.5	46.5	47.0	47.5	48.0	48.5	49.5	50.5	52.5	53.5	54.5	57.0	58.5	60.5	61.5	62.5	64.5	65.5
813	1084	1636	*5.00	5.40	1.07		46.7		48.7	49.2		50.2	50.7		52.7	54.7		56.7	59.2	60.7	62.7		64.7		67.7
813	1084	1636	*5.20	5.60	1.07		46.4		48.4	48.9		49.9	50.4		52.4	54.4		56.4	58.9	60.4	62.4		64.4		67.4
813	1084	1636	5.60	6.00	1.07	44.8	45.8	46.8	47.8	48.3	48.8	49.3	49.8	50.8	51.8	53.8	54.8	55.8	58.3	59.8	61.8	62.8	63.8	65.8	66.8
806	1074	1620	*4.60	*5.00	1.08		47.4		49.4	49.9		50.9	51.4		53.4	55.4		57.4	59.9	61.4	63.4		65.4		68.4
806	1074	1620	6.80	7.40	1.08	42.7	43.7	44.7	45.7	46.2	46.7	47.2	47.7	48.7	49.7	51.7	52.7	53.7	56.2	57.7	59.7	60.7	61.7	63.7	64.7
798	1064	1606	8.60	9.40	1.09	39.8	40.8	41.8	42.8	43.3	43.8	44.3	44.8	45.8	46.8	48.8	49.8	50.8	53.3	54.8	56.8	57.8	58.8	60.8	61.8
791	1055	1591	5.40	6.00	1.10	44.9	45.9	46.9	47.9	48.4	48.9	49.4	49.9	50.9	51.9	53.9	54.9	55.9	58.4	59.9	61.9	62.9	63.9	65.9	66.9
784	1045	1577	*5.00	5.60	1.11		46.6		48.6	49.1		50.1	50.6		52.6	54.6		56.6	59.1	60.6	62.6		64.6		67.6
777	1036	1563	*4.60	*5.20	1.12		47.2		49.2	49.7		50.7	51.2		53.2	55.2		57.2	59.7	61.2	63.2		65.2		68.2
770	1027	1549	5.60	6.40	1.13	44.5	45.5	46.5	47.5	48.0	48.5	49.0	49.5	50.5	51.5	53.5	54.5	55.5	58.0	59.5	61.5	62.5	63.5	65.5	66.5
770	1027	1549	6.00	6.80	1.13	43.8	44.8	45.8	46.8	47.3	47.8	48.3	48.8	49.8	50.8	52.8	53.8	54.8	57.3	58.8	60.8	61.8	62.8	64.8	65.8
763	1018	1535	*5.20	6.00	1.14		46.1		48.1	48.6		49.6	50.1		52.1	54.1		56.1	58.6	60.1	62.1		64.1		67.1
757	1009	1522	6.40	7.40	1.15	43.1	44.1	45.1	46.1	46.6	47.1	47.6	48.1	49.1	50.1	52.1	53.1	54.1	56.6	58.1	60.1	61.1	62.1	64.1	65.1
757	1009	1522	7.40	8.60	1.15	41.3	42.3	43.3	44.3	44.8	45.3	45.8	46.3	47.3	48.3	50.3	51.3	52.3	54.8	56.3	58.3	59.3	60.3	62.3	63.3
750	1000	1509	*4.60	5.40	1.16		47.0		49.0	49.5		50.5	51.0		53.0	55.0		57.0	59.5	61.0	63.0		65.0		68.0
750	1000	1509	9.40	11.00	1.16	37.9	38.9	39.9	40.9	41.4	41.9	42.4	42.9	43.9	44.9	46.9	47.9	48.9	51.4	52.9	54.9	55.9	56.9	58.9	59.9
744	991	1496	5.40	6.40	1.17	44.6	45.6	46.6	47.6	48.1	48.6	49.1	49.6	50.6	51.6	53.6	54.6	55.6	58.1	59.6	61.6	62.6	63.6	65.6	66.6
731	975	1471	*5.00	6.00	1.19		46.3		48.3	48.8		49.8	50.3		52.3	54.3		56.3	58.8	60.3	62.3		64.3		67.3
725	967	1458	*4.60	5.60	1.20		46.9		48.9	49.4		50.4	50.9		52.9	54.9		56.9	59.4	60.9	62.9		64.9		67.9
725	967	1458	5.60	6.80	1.20	44.2	45.2	46.2	47.2	47.7	48.2	48.7	49.2	50.2	51.2	53.2	54.2	55.2	57.7	59.2	61.2	62.2	63.2	65.2	66.2
713	951	1434	*5.20	6.40	1.22		45.8		47.8	48.3		49.3	49.8		51.8	53.8		55.8	58.3	59.8	61.8		63.8		66.8
713	951	1434	6.00	7.40	1.22	43.4	44.4	45.4	46.4	46.9	47.4	47.9	48.4	49.4	50.4	52.4	53.4	54.4	56.9	58.4	60.4	61.4	62.4	64.4	65.4
702	935	1411	5.40	6.80	1.24	44.3	45.3	46.3	47.3	47.8	48.3	48.8	49.3	50.3	51.3	53.3	54.3	55.3	57.8	59.3	61.3	62.3	63.3	65.3	66.3
696	928	1400	6.80	8.60	1.25	41.8	42.8	43.8	44.8	45.3	45.8	46.3	46.8	47.8	48.8	50.8	51.8	52.8	55.3	56.8	58.8	59.8	60.8	62.8	63.8
690	921	1389	*5.00	6.40	1.26		45.9		47.9	48.4		49.4	49.9		51.9	53.9		55.9	58.4	59.9	61.9		63.9		66.9
690	921	1389	7.40	9.40	1.26	40.7	41.7	42.7	43.7	44.2	44.7	45.2	45.7	46.7	47.7	49.7	50.7	51.7	54.2	55.7	57.7	58.7	59.7	61.7	62.7
685	913	1378	8.60	11.00	1.27	38.5	39.5	40.5	41.5	42.0	42.5	43.0	43.5	44.5	45.5	47.5	48.5	49.5	52.0	53.5	55.5	56.5	57.5	59.5	60.5
680	906	1367	*4.60	6.00	1.28		46.6		48.6	49.1		50.1	50.6		52.6	54.6		56.6	59.1	60.6	62.6		64.6		67.6
674	899	1357	*5.20	6.80	1.29		45.5		47.5	48.0		49.0	49.5		51.5	53.5		55.5	58.0	59.5	61.5		63.5		66.5
669	892	1346	5.60	7.40	1.30	43.7	44.7	45.7	46.7	47.2	47.7	48.2	48.7	49.7	50.7	52.7	53.7	54.7	57.2	58.7	60.7	61.7	62.7	64.7	65.7
664	885	1336	9.40	12.40	1.31	36.7	37.7	38.7	39.8	40.3	40.8	41.3	41.8	42.8	43.8	45.8	46.8	47.8	50.3	51.8	53.8	54.8	55.8	57.8	58.8
654	872	1316	6.40	8.60	1.33	42.1	43.1	44.1	45.1	45.6	46.1	46.6	47.1	48.1	49.1	51.1	52.1	53.1	55.6	57.1	59.1	60.1	61.1	63.1	64.1
649	866	1306	*5.00	6.80	1.34		45.6		47.6	48.1		49.1	49.6		51.6	53.6		55.6	58.1	59.6	61.6		63.6		66.6
644	859	1296	5.40	7.40	1.35	43.8	44.8	45.8	46.8	47.3	47.8	48.3	48.8	49.8	50.8	52.8	53.8	54.8	57.3	58.8	60.8	61.8	62.8	64.8	65.8
640	853	1287	*4.60	6.40	1.36		46.3		48.3	48.8		49.8	50.3		52.3	54.3		56.3	58.8	60.3	62.3		64.3		67.3
640	853	1287	6.80	9.40	1.36	41.2	42.2	43.2	44.2	44.7	45.2	45.7	46.2	47.2	48.2	50.2	51.2	52.2	54.7	56.2	58.2	59.2	60.2	62.2	63.2
621	829	1250	*5.20	7.40	1.40		45.0		47.0	47.5		48.5	49.0		51.0	53.0		55.0	57.5	59.0	61.0		63.0		66.0
617	823	1241	6.00	8.60	1.41	42.4	43.4	44.4	45.4	45.9	46.4	46.9	47.4	48.4	49.4	51.4	52.4	53.4	55.9	57.4	59.4	60.4	61.4	63.4	64.4

Key to correction factors: 1.0 1.1

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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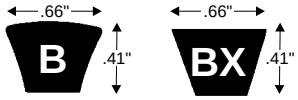

V-Belt No. and Center Distance																Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																		Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
B154	B158 BX158	B162 BX162	B173 BX173	B180 BX180	B188	B190	B195 BX195	B205 BX205	B210 BX210	B225 BX225	B240 BX240	B255 BX255	B270 BX270	B285	B300 BX300	B315	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
	72.7	74.7	80.2	83.7			91.2	96.2	98.7	105.4	112.9	120.4	127.9		142.9		*4.60	*4.60				4.42	5.48	7.30
	72.0	74.0	79.5	83.0			90.5	95.5	98.0	104.8	112.3	119.8	127.3		142.3		*5.00	*5.00				4.90	6.08	8.11
	71.7	73.7	79.2	82.7			90.2	95.2	97.7	104.5	112.0	119.5	127.0		142.0		*5.20	*5.20				5.14	6.38	8.50
69.4	71.4	73.4	78.9	82.4	86.4	87.4	89.9	94.9	97.4	104.2	111.7	119.2	126.7	134.2	141.7	149.2	5.40	5.40	4.47	5.54	7.33	5.38	6.67	8.89
69.1	71.1	73.1	78.6	82.1	86.1	87.1	89.6	94.6	97.1	103.9	111.4	118.9	126.4	133.9	141.4	148.9	5.60	5.60	4.76	5.92	7.84	5.61	6.96	9.28
68.5	70.5	72.5	78.0	81.5	85.5	86.5	89.0	94.0	96.5	103.2	110.7	118.2	125.7	133.2	140.7	148.2	6.00	6.00	5.35	6.66	8.85	6.07	7.54	10.00
67.8	69.8	71.8	77.3	80.8	84.8	85.8	88.3	93.3	95.8	102.6	110.1	117.6	125.1	132.6	140.1	147.6	6.40	6.40	5.93	7.39	9.83	6.53	8.10	10.80
67.2	69.2	71.2	76.7	80.2	84.2	85.2	87.7	92.7	95.2	102.0	109.5	117.0	124.5	132.0	139.5	147.0	6.80	6.80	6.50	8.12	10.80	6.98	8.66	11.50
66.3	68.3	70.3	75.8	79.3	83.3	84.3	86.8	91.8	94.3	101.0	108.5	116.0	123.5	131.0	138.5	146.0	7.40	7.40	7.36	9.18	12.20	7.65	9.48	12.50
64.4	66.4	68.4	73.9	77.4	81.4	82.4	84.9	89.9	92.4	99.1	106.6	114.1	121.6	129.1	136.6	144.1	8.60	8.60	9.02	11.30	14.80	8.94	11.00	14.50
63.1	65.1	67.1	72.6	76.1	80.1	81.1	83.6	88.6	91.1	97.9	105.4	112.9	120.4	127.9	135.4	142.9	9.40	9.40	10.10	12.60	16.40	9.77	12.00	15.60
69.3	71.3	73.3	78.8	82.3	86.3	87.3	89.8	94.8	97.3	104.0	111.5	119.0	126.5	134.0	141.5	149.0	5.40	5.60	4.56	5.67	7.53	5.43	6.74	9.01
	71.9	73.9	79.4	82.9			90.4	95.4	97.9	104.6	112.1	119.6	127.1		142.1		*5.00	*5.20				4.96	6.15	8.22
	71.6	73.6	79.1	82.6			90.1	95.1	97.6	104.3	111.8	119.3	126.8		141.8		*5.20	5.40				5.20	6.45	8.61
68.2	70.2	72.2	77.7	81.2	85.2	86.2	88.7	93.7	96.2	102.9	110.4	117.9	125.4	132.9	140.4	147.9	6.00	6.40	5.49	6.85	9.14	6.13	7.61	10.20
67.5	69.5	71.5	77.0	80.5	84.5	85.5	88.0	93.0	95.5	102.3	109.8	117.3	124.8	132.3	139.8	147.3	6.40	6.80	6.07	7.59	10.10	6.59	8.18	10.90
	71.7	73.7	79.2	82.7			90.2	95.2	97.7	104.5	112.0	119.5	127.0		142.0		*5.00	5.40				5.02	6.23	8.33
	71.4	73.4	78.9	82.4			89.9	94.9	97.4	104.2	111.7	119.2	126.7		141.7		*5.20	5.60				5.25	6.52	8.73
68.8	70.8	72.8	78.3	81.8	85.8	86.8	89.3	94.3	96.8	103.5	111.0	118.5	126.0	133.5	141.0	148.5	5.60	6.00	4.91	6.11	8.14	5.72	7.11	9.51
	72.4	74.4	79.9	83.4			90.9	95.9	98.4	105.1	112.6	120.1	127.6		142.6		*4.60	*5.00				4.54	5.63	7.52
66.7	68.7	70.7	76.2	79.7	83.7	84.7	87.2	92.2	94.7	101.5	109.0	116.5	124.0	131.5	139.0	146.5	6.80	7.40	6.70	8.38	11.20	7.09	8.81	11.70
63.8	65.8	67.8	73.3	76.8	80.8	81.8	84.3	89.3	91.8	98.5	106.0	113.5	121.0	128.5	136.0	143.5	8.60	9.40	9.21	11.50	15.20	9.05	11.20	14.70
68.9	70.9	72.9	78.4	81.9	85.9	86.9	89.4	94.4	96.9	103.7	111.2	118.7	126.2	133.7	141.2	148.7	5.40	6.00	4.66	5.80	7.72	5.49	6.82	9.12
	71.6	73.6	79.1	82.6			90.1	95.1	97.6	104.3	111.8	119.3	126.8		141.8		*5.00	5.60				5.02	6.23	8.33
	72.2	74.2	79.7	83.2			90.7	95.7	98.2	105.0	112.5	120.0	127.5		142.5		*4.60	*5.20				4.54	5.63	7.52
68.5	70.5	72.5	78.0	81.5	85.5	86.5	89.0	94.0	96.5	103.2	110.7	118.2	125.7	133.2	140.7	148.2	5.60	6.40	5.00	6.24	8.33	5.78	7.19	9.62
67.8	69.8	71.8	77.3	80.8	84.8	85.8	88.3	93.3	95.8	102.6	110.1	117.6	125.1	132.6	140.1	147.6	6.00	6.80	5.59	6.98	9.33	6.24	7.76	10.40
	71.1	73.1	78.6	82.1			89.6	94.6	97.1	103.9	111.4	118.9	126.4		141.4		*5.20	6.00				5.31	6.60	8.84
67.1	69.1	71.1	76.6	80.1	84.1	85.1	87.6	92.6	95.1	101.8	109.3	116.8	124.3	131.8	139.3	146.8	6.40	7.40	6.17	7.72	10.30	6.70	8.33	11.1
65.3	67.3	69.3	74.8	78.3	82.3	83.3	85.8	90.8	93.3	100.1	107.6	115.1	122.6	130.1	137.6	145.1	7.40	8.60	7.60	9.51	12.70	7.81	9.70	12.90
	72.0	74.0	79.5	83.0			90.5	95.5	98.0	104.8	112.3	119.8	127.3		142.3		*4.60	5.40				4.59	5.70	7.63
61.9	63.9	65.9	71.4	74.9	78.9	79.9	82.4	87.4	89.9	96.6	104.1	111.6	119.1	126.6	134.1	141.6	9.40	11.00	10.40	13.00	16.90	9.94	12.30	16.00
68.6	70.6	72.6	78.1	81.6	85.6	86.6	89.1	94.1	96.6	103.4	110.9	118.4	125.9	133.4	140.9	148.4	5.40	6.40	4.76	5.93	7.92	5.55	6.89	9.23
	71.3	73.3	78.8	82.3			89.8	94.8	97.3	104.0	111.5	119.0	126.5		141.5		*5.00	6.00				5.07	6.30	8.44
	71.9	73.9	79.4	82.9			90.4	95.4	97.9	104.6	112.1	119.6	127.1		142.1		*4.60	5.60				4.59	5.70	7.63
68.2	70.2	72.2	77.7	81.2	85.2	86.2	88.7	93.7	96.2	102.9	110.4	117.9	125.4	132.9	140.4	147.9	5.60	6.80	5.05	6.30	8.43	5.78	7.19	9.62
	70.8	72.8	78.3	81.8			89.3	94.3	96.8	103.5	111.0	118.5	126.0		141.0		*5.20	6.40				5.36	6.67	8.95
67.4	69.4	71.4	76.9	80.4	84.4	85.4	87.9	92.9	95.4	102.1	109.6	117.1	124.6	132.1	139.6	147.1	6.00	7.40	5.69	7.11	9.53	6.30	7.84	10.50
68.3	70.3	72.3	77.8	81.3	85.3	86.3	88.8	93.8	96.3	103.1	110.6	118.1	125.6	133.1	140.6	148.1	5.40	6.80	4.80	5.99	8.01	5.60	6.97	9.34
65.8	67.8	69.8	75.3	78.8	82.8	83.8	86.3	91.3	93.8	100.6	108.1	115.6	123.1	130.6	138.1	145.6	6.80	8.60	6.84	8.57	11.50	7.21	8.96	11.90
	70.9	72.9	78.4	81.9			89.4	94.4	96.9	103.7	111.2	118.7	126.2		141.2		*5.00	6.40				5.13	6.38	8.55
64.7	66.7	68.7	74.2	77.7	81.7	82.7	85.2	90.2	92.7	99.5	107.0	114.5	122.0	129.5	137.0	144.5	7.40	9.40	7.69	9.63	12.80	7.87	9.77	13.00
62.5	64.5	66.5	72.0	75.5	79.5	80.5	83.0	88.0	90.5	97.2	104.7	112.2	119.8	127.3	134.8	142.3	8.60	11.00	9.36	11.70	15.40	9.16	11.30	14.90
	71.6	73.6	79.1	82.6			90.1	95.1	97.6	104.3	111.8	119.3	126.8		141.8		*4.60	6.00				4.65	5.77	7.74
	70.5	72.5	78.0	81.5			89.0	94.0	96.5	103.2	110.7	118.2	125.7		140.7		*5.20	6.80				5.36	6.67	8.95
67.7	69.7	71.7	77.2	80.7	84.7	85.7	88.2	93.2	95.7	102.4	109.9	117.4	124.9	132.4	139.9	147.4	5.60	7.40	5.10	6.37	8.52	5.89	7.33	9.84
60.8	62.8	64.8	70.3	73.8	77.8	78.8	81.3	86.3	88.8	95.5	103.0	110.5	118.0	125.5	133.0	140.5	9.40	12.40	10.40	13.00	17.00	10.00	12.40	16.20
66.1	68.1	70.1	75.6	79.1	83.1	84.1	86.6	91.6	94.1	100.9	108.4	115.9	123.4	130.9	138.4	145.9	6.40	8.60	6.32	7.91	10.60	6.81	8.48	11.30
	70.6	72.6	78.1	81.6			89.1	94.1	96.6	103.4	110.9	118.4	125.9		140.9		*5.00	6.80				5.18	6.45	8.67
67.8	69.8	71.8	77.3	80.8	84.8	85.8	88.3	93.3	95.8	102.6	110.1	117.6	125.1	132.6	140.1	147.6	5.40	7.40	4.85	6.06	8.11	5.66	7.04	9.45
	71.3	73.3	78.8	82.3			89.8	94.8	97.3	104.0	111.5	119.0	126.5		141.5		*4.60	6.40				4.70	5.85	7.86
65.2	67.2	69.2	74.7	78.2	82.2	83.2	85.7	90.7	93.2	99.9	107.4	114.9	122.4	129.9	137.4	144.9	6.80	9.40	6.89	8.63	11.60	7.26	9.03	12.10
	70.0	72.0	77.5	81.0			88.5	93.5	96.0	102.7	110.2	117.7	125.2		140.2		*5.20	7.40				5.42	6.75	9.06
66.4	68.4	70.4	75.9	79.4	83.4	84.4	86.9	91.9	94.4	101.2	108.7	116.2	123.7	131.2	138.7	146.2	6.00	8.60	5.73	7.18	9.63	6.35	7.91	10.60

Key to correction factors: 1.1 1.2 1.3

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 15

DriveN Speed For Motor Speed of 870 RPM	1160 RPM	1750 RPM	Sheave Datum Diameters Small Sheave	Large Sheave	Speed Ratio	V-Belt No. and Center Distance B28 BX28	B29	B30	B31	B32 BX32	B33	B34 BX34	B35 BX35	B36 BX36	B37	B38 BX38	B39	B40 BX40	B41	B42 BX42	B43 BX43	B44 BX44	B45 BX45	B46 BX46	B47 BX47
613	817	1232	8.60	12.40	1.42																				
604	806	1215	*4.60	6.80	1.44					7.9		8.9	9.4	9.9		10.9		11.9		12.9	13.4	13.9	14.4	14.9	15.4
604	806	1215	6.40	9.40	1.44															9.4	9.9	10.4	10.9	11.4	11.9
600	800	1207	*5.00	7.40	1.45							8.1	8.6	9.1		10.1		11.1		12.1	12.6	13.1	13.6	14.1	14.6
596	795	1199	7.40	11.00	1.46																				
580	773	1167	5.60	8.60	1.50											8.6	9.1	9.6	10.1	10.6	11.1	11.7	12.2	12.7	13.2
565	753	1136	6.00	9.40	1.54														9.1	9.7	10.2	10.7	11.2	11.7	12.2
558	744	1122	5.40	8.60	1.56											8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3
554	739	1115	*4.60	7.40	1.57							8.4	8.9	9.4		10.4		11.4		12.4	12.9	13.4	13.9	14.4	14.9
547	730	1101	6.80	11.00	1.59																				
540	720	1087	*5.20	8.60	1.61											8.9		9.9		10.9	11.4	11.9	12.4	12.9	13.5
537	716	1080	9.40	15.40	1.62																				
530	707	1067	5.60	9.40	1.64													8.9	9.4	9.9	10.4	11.0	11.5	12.0	12.5
527	703	1061	7.40	12.40	1.65																				
521	695	1048	*5.00	8.60	1.67											9.0		10.1		11.1	11.6	12.1	12.6	13.1	13.6
518	690	1042	6.40	11.00	1.68																				10.5
512	682	1029	5.40	9.40	1.70													9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6
494	659	994	*5.20	9.40	1.76													9.2		10.2	10.7	11.2	11.7	12.3	12.8
494	659	994	8.60	15.40	1.76																				
489	652	983	6.80	12.40	1.78																				
486	648	978	6.00	11.00	1.79																			10.2	10.8
481	641	967	*4.60	8.60	1.81									8.3		9.3		10.3		11.4	11.9	12.4	12.9	13.4	13.9
478	637	962	*5.00	9.40	1.82													9.3		10.4	10.9	11.4	11.9	12.4	12.9
460	614	926	6.40	12.40	1.89																				
455	607	916	5.60	11.00	1.91																		10.0	10.5	11.0
453	604	911	9.40	18.40	1.92																				
442	589	888	*4.60	9.40	1.97											8.6		9.6		10.6	11.1	11.7	12.2	12.7	13.2
442	589	888	5.40	11.00	1.97																	9.6	10.1	10.6	11.2
433	577	871	6.00	12.40	2.01																				
429	571	862	7.40	15.40	2.03																				
424	566	854	*5.20	11.00	2.05																	9.7	10.3	10.8	11.3
416	555	837	8.60	18.40	2.09																				
416	555	837	9.40	20.00	2.09																				
410	547	825	*5.00	11.00	2.12																	9.9	10.4	10.9	11.4
407	542	818	5.60	12.40	2.14																				
395	527	795	6.80	15.40	2.20																				
392	523	788	5.40	12.40	2.22																				
383	511	771	8.60	20.00	2.27																				
380	507	764	*4.60	11.00	2.29																9.6	10.1	10.7	11.2	11.7
378	504	761	*5.20	12.40	2.30																				
373	498	751	6.40	15.40	2.33																				
366	487	735	*5.00	12.40	2.38																				
360	479	723	7.40	18.40	2.42																				
351	468	706	6.00	15.40	2.48																				
337	450	678	*4.60	12.40	2.58																				10.3
335	446	673	9.40	25.00	2.60																				
332	443	668	6.80	18.40	2.62																				
331	441	665	7.40	20.00	2.63																				
328	438	660	5.60	15.40	2.65																				
318	423	639	5.40	15.40	2.74																				
313	417	629	6.40	18.40	2.78																				
307	410	618	8.60	25.00	2.83																				
306	408	616	*5.20	15.40	2.84																				
305	407	614	6.80	20.00	2.85																				

Key to correction factors: 0.7 0.8

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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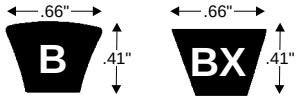

V-Belt No. and Center Distance																			Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																					Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
B48 BX48	B49 BX49	B50 BX50	B51 BX51	B52 BX52	B53 BX53	B54 BX54	B55 BX55	B56 BX56	B57 BX57	B58 BX58	B59 BX59	B60 BX60	B61 BX61	B62 BX62	B63 BX63	B64 BX64	B65 BX65	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
								12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	8.60	12.40	9.41	11.80	15.50	9.21	11.40	15.00
15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	*4.60	6.80				4.76	5.92	7.97
12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	6.40	9.40	6.32	7.91	10.60	6.87	8.55	11.40
15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	*5.00	7.40				5.24	6.52	8.78
	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.9	17.4	17.9	18.4	18.9	7.40	11.00	7.74	9.70	12.90	7.98	9.92	13.20
13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	5.60	8.60	5.20	6.50	8.72	5.95	7.41	9.95
12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	6.00	9.40	5.78	7.24	9.72	6.41	7.98	10.70
13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	5.40	8.60	4.90	6.12	8.21	5.71	7.12	9.57
15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	*4.60	7.40				4.76	5.92	7.97
10.7	11.2	11.7	12.2	12.7	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	6.80	11.00	6.94	8.70	11.70	7.32	9.11	12.20
14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	*5.20	8.60				5.48	6.82	9.18
																		9.40	15.40	10.50	13.20	17.20	10.10	12.50	16.30
13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	5.60	9.40	5.20	6.50	8.72	6.00	7.48	10.10
					11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.2	16.7	17.2	17.7	7.40	12.40	7.79	9.76	13.00	8.04	10.00	13.30
14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	*5.00	8.60				5.29	6.60	8.89
11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	6.40	11.00	6.36	7.97	10.70	6.92	8.62	11.60
13.1	13.6	14.1	14.6	15.1	15.6	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	5.40	9.40	4.90	6.12	8.21	5.77	7.19	9.68
13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	*5.20	9.40				5.53	6.90	9.29
																13.6	14.1	8.60	15.40	9.46	11.80	15.60	9.33	11.60	15.20
			11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	6.80	12.40	6.94	8.70	11.70	7.37	9.18	12.30
11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	6.00	11.00	5.78	7.24	9.72	6.47	8.06	10.80
14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	*4.60	8.60				4.81	6.00	8.08
13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	*5.00	9.40				5.29	6.60	8.89
			11.2	11.7	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.4	16.9	17.4	17.9	18.4	6.40	12.40	6.36	7.97	10.70	6.92	8.62	11.60
11.5	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.7	18.2	18.7	19.2	19.7	20.2	5.60	11.00	5.20	6.50	8.72	6.00	7.48	10.10
																		9.40	18.40	10.50	13.20	17.20	10.20	12.60	16.40
13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	*4.60	9.40				4.81	6.00	8.08
11.7	12.2	12.7	13.2	13.7	14.2	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3	5.40	11.00	4.90	6.12	8.21	5.77	7.19	9.68
		11.0	11.5	12.0	12.5	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.7	18.2	18.7	6.00	12.40	5.78	7.24	9.72	6.52	8.13	10.90
														13.4	13.9	14.4	15.0	7.40	15.40	7.79	9.76	13.00	8.09	10.10	13.40
11.8	12.3	12.8	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	19.0	19.5	20.0	20.5	*5.20	11.00				5.59	6.97	9.40
																		8.60	18.40	9.46	11.80	15.60	9.38	11.60	15.40
																		9.40	20.00	10.50	13.20	17.20	10.20	12.60	16.50
12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	*5.00	11.00				5.35	6.67	9.00
	10.7	11.2	11.8	12.3	12.8	13.3	13.8	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	19.0	5.60	12.40	5.20	6.50	8.72	6.06	7.56	10.20
												12.7	13.3	13.8	14.3	14.8	15.4	6.80	15.40	6.94	8.70	11.70	7.43	9.25	12.40
10.3	10.9	11.4	11.9	12.4	12.9	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.1	17.6	18.1	18.6	19.1	5.40	12.40	4.90	6.12	8.21	5.82	7.26	9.79
																		8.60	20.00	9.46	11.80	15.60	9.38	11.60	15.40
12.2	12.7	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	*4.60	11.00				4.87	6.07	8.19
10.5	11.0	11.5	12.0	12.6	13.1	13.6	14.1	14.6	15.1	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	*5.20	12.40				5.59	6.97	9.40
											12.5	13.0	13.5	14.1	14.6	15.1	15.6	6.40	15.40	6.36	7.97	10.70	6.98	8.70	11.70
10.6	11.1	11.6	12.2	12.7	13.2	13.7	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.4	18.9	19.4	*5.00	12.40				5.35	6.67	9.00
																		7.40	18.40	7.79	9.76	13.00	8.09	10.10	13.40
											12.7	13.2	13.8	14.3	14.8	15.4	15.9	6.00	15.40	5.78	7.24	9.72	6.52	8.13	10.90
10.8	11.4	11.9	12.4	13.0	13.5	14.0	14.5	15.0	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.7	*4.60	12.40				4.87	6.07	8.19
																		9.40	25.00	10.50	13.20	17.20	10.20	12.60	16.50
																		6.80	18.40	6.94	8.70	11.70	7.43	9.25	12.40
																		7.40	20.00	7.79	9.76	13.00	8.09	10.10	13.40
										12.4	13.0	13.5	14.0	14.6	15.1	15.6	16.2	5.60	15.40	5.20	6.50	8.72	6.06	7.56	10.20
									12.0	12.6	13.1	13.6	14.2	14.7	15.2	15.8	16.3	5.40	15.40	4.90	6.12	8.21	5.82	7.26	9.79
																		6.40	18.40	6.36	7.97	10.70	6.98	8.70	11.70
																		8.60	25.00	9.46	11.80	15.60	9.38	11.60	15.40
									12.1	12.7	13.2	13.8	14.3	14.8	15.4	15.9	16.4	*5.20	15.40				5.59	6.97	9.40
																		6.80	20.00	6.94	8.70	11.70	7.43	9.25	12.40

Key to correction factors: 0.7 0.8 0.9

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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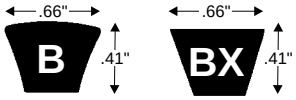

Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 15

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	B66 BX66	B67 BX67	B68 BX68	B69 BX69	B70 BX70	B71 BX71	B72 BX72	B73 BX73	B74 BX74	B75 BX75	B76 BX76	B77 BX77	B78 BX78	B79 BX79	B80 BX80	B81 BX81	B82 BX82	B83 BX83	B84 BX84	B85 BX85
613	817	1232	8.60	12.40	1.42	17.3	17.8	18.3	18.8	19.3	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8
604	806	1215	*4.60	6.80	1.44	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4
604	806	1215	6.40	9.40	1.44	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	28.0	28.5	29.0	29.5	30.0	30.5	31.0
600	800	1207	*5.00	7.40	1.45	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6
596	795	1199	7.40	11.00	1.46	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9
580	773	1167	5.60	8.60	1.50	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2
565	753	1136	6.00	9.40	1.54	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3
558	744	1122	5.40	8.60	1.56	22.8	23.3	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4
554	739	1115	*4.60	7.40	1.57	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9
547	730	1101	6.80	11.00	1.59	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3
540	720	1087	*5.20	8.60	1.61	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5
537	716	1080	9.40	15.40	1.62	14.1	14.6	15.1	15.6	16.1	16.7	17.2	17.7	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7
530	707	1067	5.60	9.40	1.64	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6
527	703	1061	7.40	12.40	1.65	18.2	18.7	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7
521	695	1048	*5.00	8.60	1.67	23.1	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7
518	690	1042	6.40	11.00	1.68	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6
512	682	1029	5.40	9.40	1.70	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7
494	659	994	*5.20	9.40	1.76	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9
494	659	994	8.60	15.40	1.76	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3
489	652	983	6.80	12.40	1.78	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2
486	648	978	6.00	11.00	1.79	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9
481	641	967	*4.60	8.60	1.81	23.4	23.9	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0
478	637	962	*5.00	9.40	1.82	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0
460	614	926	6.40	12.40	1.89	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5
455	607	916	5.60	11.00	1.91	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2
453	604	911	9.40	18.40	1.92										15.9	16.4	17.0	17.5	18.0	18.5	19.0	19.5	20.1	20.6	21.1
442	589	888	*4.60	9.40	1.97	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3
442	589	888	5.40	11.00	1.97	20.8	21.3	21.8	22.3	22.8	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4
433	577	871	6.00	12.40	2.01	19.2	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.3	26.8	27.3	27.8	28.3	28.8
429	571	862	7.40	15.40	2.03	15.5	16.0	16.5	17.0	17.5	18.0	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.7	24.2	24.7	25.2
424	566	854	*5.20	11.00	2.05	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5
416	555	837	8.60	18.40	2.09								15.4	15.9	16.5	17.0	17.5	18.0	18.5	19.1	19.6	20.1	20.6	21.1	21.6
416	555	837	9.40	20.00	2.09														16.4	17.0	17.5	18.0	18.5	19.1	19.6
410	547	825	*5.00	11.00	2.12	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7
407	542	818	5.60	12.40	2.14	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.6	28.1	28.6	29.1
395	527	795	6.80	15.40	2.20	15.9	16.4	16.9	17.4	17.9	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.6	23.1	23.6	24.1	24.6	25.1	25.6
392	523	788	5.40	12.40	2.22	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2
383	511	771	8.60	20.00	2.27												15.9	16.4	17.0	17.5	18.0	18.6	19.1	19.6	20.1
380	507	764	*4.60	11.00	2.29	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
378	504	761	*5.20	12.40	2.30	19.7	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.9	29.4
373	498	751	6.40	15.40	2.33	16.1	16.7	17.2	17.7	18.2	18.7	19.2	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.9	24.4	24.9	25.4	25.9
366	487	735	*5.00	12.40	2.38	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5
360	479	723	7.40	18.40	2.42					14.6	15.1	15.7	16.2	16.7	17.3	17.8	18.3	18.8	19.3	19.9	20.4	20.9	21.4	21.9	22.5
351	468	706	6.00	15.40	2.48	16.4	16.9	17.5	18.0	18.5	19.0	19.5	20.0	20.6	21.1	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.2	25.7	26.2
337	450	678	*4.60	12.40	2.58	20.2	20.7	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8
335	446	673	9.40	25.00	2.60																				
332	443	668	6.80	18.40	2.62				14.4	15.0	15.5	16.0	16.6	17.1	17.6	18.2	18.7	19.2	19.8	20.3	20.8	21.3	21.8	22.4	22.9
331	441	665	7.40	20.00	2.63										15.6	16.1	16.7	17.2	17.7	18.3	18.8	19.3	19.9	20.4	20.9
328	438	660	5.60	15.40	2.65	16.7	17.2	17.7	18.2	18.8	19.3	19.8	20.3	20.8	21.3	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.5
318	423	639	5.40	15.40	2.74	16.8	17.3	17.9	18.4	18.9	19.4	19.9	20.4	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.6	25.1	25.6	26.1	26.6
313	417	629	6.40	18.40	2.78			14.1	14.7	15.2	15.8	16.3	16.8	17.4	17.9	18.4	19.0	19.5	20.0	20.5	21.1	21.6	22.1	22.6	23.1
307	410	618	8.60	25.00	2.83																				
306	408	616	*5.20	15.40	2.84	16.9	17.5	18.0	18.5	19.0	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7
305	407	614	6.80	20.00	2.85									15.4	16.0	16.5	17.1	17.6	18.1	18.7	19.2	19.7	20.3	20.8	21.3

Key to correction factors: 0.8 0.9 1.0

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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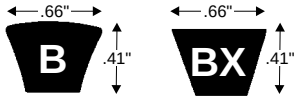
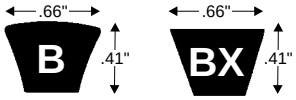


V-Belt No. and Center Distance																	Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																			Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
B86 BX86	B87 BX87	B88 BX88	B89 BX89	B90 BX90	B91 BX91	B92 BX92	B93 BX93	B94 BX94	B95 BX95	B96 BX96	B97 BX97	B98	B99 BX99	B100 BX100	B103 BX103	B105 BX105	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.4	32.9	33.4	33.9	34.4	35.9	36.9	8.60	12.40	9.41	11.80	15.50	9.21	11.40	15.00
34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4		41.4	41.9	43.4	44.4	*4.60	6.80				4.76	5.92	7.97
31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	40.0	41.0	6.40	9.40	6.32	7.91	10.60	6.87	8.55	11.40
34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6		40.6	41.1	42.6	43.6	*5.00	7.40				5.24	6.52	8.78
29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	37.9	38.9	7.40	11.00	7.74	9.70	12.90	7.98	9.92	13.20
32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	41.2	42.2	5.60	8.60	5.20	6.50	8.72	5.95	7.41	9.95
31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	40.3	41.3	6.00	9.40	5.78	7.24	9.72	6.41	7.98	10.70
32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	41.4	42.4	5.40	8.60	4.90	6.12	8.21	5.71	7.12	9.57
34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	39.0	39.5	40.0		41.0	41.5	43.0	44.0	*4.60	7.40				4.76	5.92	7.97
29.8	30.3	30.8	31.3	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	38.4	39.4	6.80	11.00	6.94	8.70	11.70	7.32	9.11	12.20
33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5		39.5	40.0	41.5	42.5	*5.20	8.60				5.48	6.82	9.18
24.2	24.7	25.2	25.7	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	32.8	33.8	9.40	15.40	10.50	13.20	17.20	10.1	12.5	16.3
32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	40.6	41.6	5.60	9.40	5.20	6.50	8.72	6.00	7.48	10.10
28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	36.8	37.8	7.40	12.40	7.79	9.76	13.00	8.04	10.00	13.30
33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7		39.7	40.2	41.7	42.7	*5.00	8.60				5.29	6.60	8.89
30.1	30.6	31.1	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	38.7	39.7	6.40	11.00	6.36	7.97	10.70	6.92	8.62	11.60
32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	40.7	41.7	5.40	9.40	4.90	6.12	8.21	5.77	7.19	9.68
32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9		38.9	39.4	40.9	41.9	*5.20	9.40				5.53	6.90	9.29
24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.4	29.9	30.4	30.9	31.4	31.9	33.4	34.4	8.60	15.40	9.46	11.80	15.60	9.33	11.60	15.20
28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	37.2	38.2	6.80	12.40	6.94	8.70	11.70	7.37	9.18	12.30
30.4	30.9	31.4	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	39.0	40.0	6.00	11.00	5.78	7.24	9.72	6.47	8.06	10.80
33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0		40.0	40.5	42.0	43.0	*4.60	8.60				4.81	6.00	8.08
32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0		39.0	39.5	41.0	42.0	*5.00	9.40				5.29	6.60	8.89
29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	37.5	38.5	6.40	12.40	6.36	7.97	10.70	6.92	8.62	11.60
30.7	31.2	31.7	32.2	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	39.3	40.3	5.60	11.00	5.20	6.50	8.72	6.00	7.48	10.10
21.6	22.1	22.6	23.1	23.6	24.1	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	30.2	31.2	9.40	18.40	10.50	13.20	17.20	10.20	12.60	16.40
32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3		39.3	39.8	41.3	42.3	*4.60	9.40				4.81	6.00	8.08
30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	39.4	40.4	5.40	11.00	4.90	6.12	8.21	5.77	7.19	9.68
29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	37.8	38.8	6.00	12.40	5.78	7.24	9.72	6.52	8.13	10.90
25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	34.3	35.3	7.40	15.40	7.79	9.76	13.00	8.09	10.10	13.40
31.0	31.5	32.0	32.5	33.0	33.6	34.1	34.6	35.1	35.6	36.1	36.6		37.6	38.1	39.6	40.6	*5.20	11.00				5.59	6.97	9.40
22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.3	27.8	28.3	28.8	29.3	30.8	31.8	8.60	18.40	9.46	11.80	15.60	9.38	11.60	15.40
20.1	20.6	21.1	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.3	25.8	26.3	26.8	27.3	28.8	29.8	9.40	20.00	10.50	13.20	17.20	10.20	12.60	16.50
31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7		37.7	38.2	39.7	40.7	*5.00	11.00				5.35	6.67	9.00
29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	38.1	39.1	5.60	12.40	5.20	6.50	8.72	6.06	7.56	10.20
26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	34.7	35.7	6.80	15.40	6.94	8.70	11.70	7.43	9.25	12.40
29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.3	36.8	38.3	39.3	5.40	12.40	4.90	6.12	8.21	5.82	7.26	9.79
20.6	21.2	21.7	22.2	22.7	23.2	23.8	24.3	24.8	25.3	25.8	26.3	26.8	27.3	27.9	29.4	30.4	8.60	20.00	9.46	11.80	15.60	9.38	11.60	15.40
31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0		38.0	38.5	40.0	41.0	*4.60	11.00				4.87	6.07	8.19
29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4		36.4	36.9	38.4	39.4	*5.20	12.40				5.59	6.97	9.40
26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.9	30.4	31.0	31.5	32.0	32.5	33.0	33.5	35.0	36.0	6.40	15.40	6.36	7.97	10.70	6.98	8.70	11.70
30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5		36.5	37.0	38.6	39.6	*5.00	12.40				5.35	6.67	9.00
23.0	23.5	24.0	24.5	25.0	25.5	26.1	26.6	27.1	27.6	28.1	28.6	29.1	29.6	30.1	31.7	32.7	7.40	18.40	7.79	9.76	13.00	8.09	10.10	13.40
26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.8	33.3	33.8	35.3	36.3	6.00	15.40	5.78	7.24	9.72	6.52	8.13	10.90
30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8		36.8	37.3	38.9	39.9	*4.60	12.40				4.87	6.07	8.19
								19.3	19.8	20.4	20.9	21.4	22.0	22.5	24.1	25.2	9.40	25.00	10.50	13.20	17.20	10.20	12.60	16.50
23.4	23.9	24.4	24.9	25.4	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.6	32.1	33.1	6.80	18.40	6.94	8.70	11.70	7.43	9.25	12.40
21.4	22.0	22.5	23.0	23.5	24.1	24.6	25.1	25.6	26.1	26.6	27.1	27.7	28.2	28.7	30.2	31.2	7.40	20.00	7.79	9.76	13.00	8.09	10.10	13.40
27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.1	35.6	36.6	5.60	15.40	5.20	6.50	8.72	6.06	7.56	10.20
27.1	27.6	28.1	28.6	29.1	29.6	30.1	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	35.7	36.7	5.40	15.40	4.90	6.12	8.21	5.82	7.26	9.79
23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.3	27.8	28.3	28.8	29.3	29.8	30.3	30.8	32.4	33.4	6.40	18.40	6.36	7.97	10.70	6.98	8.70	11.70
						18.7	19.2	19.8	20.3	20.9	21.4	22.0	22.5	23.0	24.6	25.7	8.60	25.00	9.46	11.80	15.60	9.38	11.60	15.40
27.2	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8		33.8	34.3	35.9	36.9	*5.20	15.40				5.59	6.97	9.40
21.8	22.4	22.9	23.4	23.9	24.5	25.0	25.5	26.0	26.5	27.0	27.6	28.1	28.6	29.1	30.6	31.7	6.80	20.00	6.94	8.70	11.70	7.43	9.25	12.40

Key to correction factors: 0.9 1.0

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 15

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																						
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	B106	B108 BX108	B10	B112 BX112	BX113	B114	B115 BX115	B116 BX116	B118	B120 BX120	B124 BX124	B126	B128 BX128	B133 BX133	B136 BX136	B140 BX140	B142	B144 BX144	B148	B150 BX150
613	817	1232	8.60	12.40	1.42	37.4	38.4	39.4	40.4	40.9	41.4	41.9	42.4	43.4	44.4	46.4	47.4	48.4	50.9	52.4	54.4	55.4	56.4	58.4	59.4
604	806	1215	*4.60	6.80	1.44		45.9		47.9	48.4		49.4	49.9		51.9	53.9		55.9	58.4	59.9	61.9		63.9		66.9
604	806	1215	6.40	9.40	1.44	41.5	42.5	43.5	44.5	45.0	45.5	46.0	46.5	47.5	48.5	50.5	51.5	52.5	55.0	56.5	58.5	59.5	60.5	62.5	63.5
600	800	1207	*5.00	7.40	1.45		45.1		47.1	47.6		48.6	49.1		51.1	53.1		55.1	57.6	59.1	61.1		63.1		66.2
596	795	1199	7.40	11.00	1.46	39.4	40.4	41.4	42.4	42.9	43.4	43.9	44.4	45.4	46.4	48.4	49.4	50.4	52.9	54.4	56.4	57.4	58.4	60.4	61.4
580	773	1167	5.60	8.60	1.50	42.7	43.7	44.7	45.7	46.2	46.7	47.2	47.7	48.7	49.7	51.7	52.7	53.7	56.2	57.7	59.7	60.7	61.7	63.7	64.7
565	753	1136	6.00	9.40	1.54	41.8	42.8	43.8	44.8	45.3	45.8	46.3	46.8	47.8	48.8	50.8	51.8	52.8	55.3	56.8	58.8	59.8	60.8	62.8	63.8
558	744	1122	5.40	8.60	1.56	42.9	43.9	44.9	45.9	46.4	46.9	47.4	47.9	48.9	49.9	51.9	52.9	53.9	56.4	57.9	59.9	60.9	61.9	63.9	64.9
554	739	1115	*4.60	7.40	1.57		45.5		47.5	48.0		49.0	49.5		51.5	53.5		55.5	58.0	59.5	61.5		63.5		66.5
547	730	1101	6.80	11.00	1.59	39.9	40.9	41.9	42.9	43.4	43.9	44.4	44.9	45.9	46.9	48.9	49.9	50.9	53.4	54.9	56.9	57.9	58.9	60.9	61.9
540	720	1087	*5.20	8.60	1.61		44.0		46.0	46.5		47.5	48.0		50.0	52.0		54.0	56.5	58.0	60.0		62.0		65.0
537	716	1080	9.40	15.40	1.62	34.3	35.3	36.3	37.3	37.8	38.3	38.8	39.3	40.3	41.3	43.3	44.3	45.3	47.8	49.3	51.3	52.3	53.3	55.3	56.3
530	707	1067	5.60	9.40	1.64	42.1	43.1	44.1	45.1	45.6	46.1	46.6	47.1	48.1	49.1	51.1	52.1	53.1	55.6	57.1	59.1	60.1	61.1	63.1	64.1
527	703	1061	7.40	12.40	1.65	38.3	39.3	40.3	41.3	41.8	42.3	42.8	43.3	44.3	45.3	47.3	48.3	49.3	51.8	53.3	55.3	56.3	57.3	59.3	60.3
521	695	1048	*5.00	8.60	1.67		44.2		46.2	46.7		47.7	48.2		50.2	52.2		54.2	56.7	58.2	60.2		62.2		65.2
518	690	1042	6.40	11.00	1.68	40.2	41.2	42.2	43.2	43.7	44.2	44.7	45.2	46.2	47.2	49.2	50.2	51.2	53.7	55.2	57.2	58.2	59.2	61.2	62.2
512	682	1029	5.40	9.40	1.70	42.2	43.2	44.2	45.2	45.7	46.2	46.7	47.2	48.2	49.2	51.2	52.2	53.2	55.7	57.2	59.2	60.2	61.2	63.2	64.2
494	659	994	*5.20	9.40	1.76		43.4		45.4	45.9		46.9	47.4		49.4	51.4		53.4	55.9	57.4	59.4		61.4		64.4
494	659	994	8.60	15.40	1.76	34.9	35.9	36.9	37.9	38.4	38.9	39.4	39.9	40.9	41.9	43.9	44.9	45.9	48.4	49.9	51.9	52.9	53.9	55.9	56.9
489	652	983	6.80	12.40	1.78	38.7	39.7	40.7	41.7	42.2	42.7	43.2	43.7	44.7	45.7	47.7	48.7	49.7	52.2	53.7	55.8	56.8	57.8	59.8	60.8
486	648	978	6.00	11.00	1.79	40.5	41.5	42.5	43.5	44.0	44.5	45.0	45.5	46.5	47.5	49.5	50.5	51.5	54.0	55.5	57.5	58.5	59.5	61.5	62.5
481	641	967	*4.60	8.60	1.81		44.5		46.5	47.0		48.0	48.5		50.5	52.5		54.5	57.0	58.5	60.5		62.5		65.5
478	637	962	*5.00	9.40	1.82		43.5		45.5	46.0		47.0	47.5		49.5	51.5		53.5	56.0	57.5	59.5		61.6		64.6
460	614	926	6.40	12.40	1.89	39.0	40.0	41.0	42.0	42.5	43.0	43.5	44.0	45.0	46.0	48.0	49.0	50.0	52.5	54.1	56.1	57.1	58.1	60.1	61.1
455	607	916	5.60	11.00	1.91	40.8	41.8	42.8	43.8	44.3	44.8	45.3	45.8	46.8	47.8	49.8	50.8	51.8	54.3	55.8	57.8	58.8	59.8	61.8	62.8
453	604	911	9.40	18.40	1.92	31.7	32.8	33.8	34.8	35.3	35.8	36.3	36.8	37.8	38.8	40.8	41.8	42.8	45.3	46.8	48.9	49.9	50.9	52.9	53.9
442	589	888	*4.60	9.40	1.97		43.8		45.8	46.3		47.3	47.8		49.8	51.8		53.9	56.4	57.9	59.9		61.9		64.9
442	589	888	5.40	11.00	1.97	40.9	41.9	42.9	43.9	44.4	44.9	45.4	45.9	46.9	47.9	49.9	50.9	51.9	54.4	55.9	58.0	59.0	60.0	62.0	63.0
433	577	871	6.00	12.40	2.01	39.3	40.3	41.3	42.3	42.8	43.3	43.8	44.3	45.3	46.3	48.3	49.3	50.3	52.9	54.4	56.4	57.4	58.4	60.4	61.4
429	571	862	7.40	15.40	2.03	35.8	36.8	37.8	38.8	39.3	39.8	40.3	40.8	41.8	42.8	44.8	45.8	46.8	49.3	50.8	52.8	53.8	54.8	56.9	57.9
424	566	854	*5.20	11.00	2.05		42.1		44.1	44.6		45.6	46.1		48.1	50.1		52.1	54.6	56.1	58.1		60.1		63.1
416	555	837	8.60	18.40	2.09	32.3	33.3	34.3	35.4	35.9	36.4	36.9	37.4	38.4	39.4	41.4	42.4	43.4	45.9	47.4	49.5	50.5	51.5	53.5	54.5
416	555	837	9.40	20.00	2.09	30.3	31.4	32.4	33.4	33.9	34.4	34.9	35.4	36.4	37.4	39.5	40.5	41.5	44.0	45.5	47.5	48.5	49.5	51.5	52.5
410	547	825	*5.00	11.00	2.12		42.2		44.2	44.7		45.7	46.2		48.2	50.2		52.2	54.8	56.3	58.3		60.3		63.3
407	542	818	5.60	12.40	2.14	39.6	40.6	41.6	42.6	43.1	43.6	44.1	44.6	45.6	46.6	48.6	49.6	50.6	53.2	54.7	56.7	57.7	58.7	60.7	61.7
395	527	795	6.80	15.40	2.20	36.2	37.2	38.2	39.2	39.7	40.2	40.7	41.2	42.2	43.3	45.3	46.3	47.3	49.8	51.3	53.3	54.3	55.3	57.3	58.3
392	523	788	5.40	12.40	2.22	39.8	40.8	41.8	42.8	43.3	43.8	44.3	44.8	45.8	46.8	48.8	49.8	50.8	53.3	54.8	56.8	57.8	58.8	60.8	61.8
383	511	771	8.60	20.00	2.27	30.9	31.9	32.9	34.0	34.5	35.0	35.5	36.0	37.0	38.0	40.0	41.0	42.1	44.6	46.1	48.1	49.1	50.1	52.1	53.1
380	507	764	*4.60	11.00	2.29		42.5		44.5	45.0		46.0	46.5		48.5	50.5		52.6	55.1	56.6	58.6		60.6		63.6
378	504	761	*5.20	12.40	2.30		40.9		42.9	43.4		44.4	44.9		46.9	48.9		50.9	53.5	55.0	57.0		59.0		62.0
373	498	751	6.40	15.40	2.33	36.5	37.5	38.5	39.5	40.0	40.5	41.0	41.5	42.5	43.5	45.6	46.6	47.6	50.1	51.6	53.6	54.6	55.6	57.6	58.6
366	487	735	*5.00	12.40	2.38		41.1		43.1	43.6		44.6	45.1		47.1	49.1		51.1	53.6	55.1	57.1		59.1		62.1
360	479	723	7.40	18.40	2.42	33.2	34.2	35.2	36.2	36.7	37.2	37.7	38.2	39.3	40.3	42.3	43.3	44.3	46.8	48.3	50.3	51.3	52.3	54.4	55.4
351	468	706	6.00	15.40	2.48	36.8	37.8	38.8	39.8	40.3	40.8	41.3	41.8	42.8	43.8	45.9	46.9	47.9	50.4	51.9	53.9	54.9	55.9	57.9	58.9
337	450	678	*4.60	12.40	2.58		41.4		43.4	43.9		44.9	45.4		47.4	49.4		51.4	53.9	55.4	57.4		59.4		62.4
335	446	673	9.40	25.00	2.60	25.7	26.7	27.8	28.8	29.3	29.9	30.4	30.9	31.9	33.0	35.0	36.0	37.1	39.6	41.1	43.2	44.2	45.2	47.2	48.3
332	443	668	6.80	18.40	2.62	33.6	34.6	35.6	36.6	37.2	37.7	38.2	38.7	39.7	40.7	42.7	43.7	44.7	47.3	48.8	50.8	51.8	52.8	54.8	55.8
331	441	665	7.40	20.00	2.63	31.8	32.8	33.8	34.8	35.3	35.8	36.3	36.8	37.9	38.9	40.9	41.9	42.9	45.4	47.0	49.0	50.0	51.0	53.0	54.0
328	438	660	5.60	15.40	2.65	37.1	38.1	39.1	40.1	40.6	41.1	41.6	42.1	43.1	44.1	46.1	47.2	48.2	50.7	52.2	54.2	55.2	56.2	58.2	59.2
318	423	639	5.40	15.40	2.74	37.2	38.2	39.2	40.3	40.8	41.3	41.8	42.3	43.3	44.3	46.3	47.3	48.3	50.8	52.3	54.3	55.3	56.3	58.3	59.4
313	417	629	6.40	18.40	2.78	33.9	34.9	35.9	36.9	37.4	37.9	38.5	39.0	40.0	41.0	43.0	44.0	45.0	47.5	49.1	51.1	52.1	53.1	55.1	56.1
307	410	618	8.60	25.00	2.83	26.2	27.3	28.3	29.4	29.9	30.4	30.9	31.4	32.5	33.5	35.6	36.6	37.6	40.2	41.7	43.7	44.8	45.8	47.8	48.8
306	408	616	*5.20	15.40	2.84		38.4		40.4	40.9		41.9	42.4		44.4	46.4		48.5	51.0	52.5	54.5		56.5		59.5
305	407	614	6.80	20.00	2.85	32.2	33.2	34.2	35.2	35.7	36.2	36.8	37.3	38.3	39.3	41.3	42.3	43.3	45.9	47.4	49.4	50.4	51.4	53.4	54.5

Key to correction factors: 0.9 | 1.0 | 1.1

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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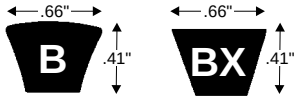

V-Belt No. and Center Distance																		Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																				Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
B154	B158 BX158	B162 BX162	B173 BX173	B180 BX180	B188	B190	B195 BX195	B205 BX205	B210 BX210	B225 BX225	B240 BX240	B255 BX255	B270 BX270	B285	B300 BX300	B315		Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
61.4	63.4	65.4	70.9	74.4	78.4	79.4	81.9	86.9	89.4	96.1	103.6	111.1	118.6	126.1	133.6	141.1		8.60	12.40	9.41	11.80	15.50	9.21	11.40	15.00
	70.9	72.9	78.4	81.9			89.4	94.4	96.9	103.7	111.2	118.7	126.2		141.2			*4.60	6.80				4.76	5.92	7.97
65.5	67.5	69.5	75.0	78.5	82.5	83.5	86.0	91.0	93.5	100.2	107.7	115.2	122.7	130.2	137.7	145.2		6.40	9.40	6.32	7.91	10.60	6.87	8.55	11.40
	70.2	72.2	77.7	81.2			88.7	93.7	96.2	102.9	110.4	117.9	125.4		140.4			*5.00	7.40				5.24	6.52	8.78
63.4	65.4	67.4	72.9	76.4	80.4	81.4	83.9	88.9	91.4	98.2	105.7	113.2	120.7	128.2	135.7	143.2		7.40	11.00	7.74	9.70	12.90	7.98	9.92	13.20
66.7	68.7	70.7	76.2	79.7	83.7	84.7	87.2	92.2	94.7	101.5	109.0	116.5	124.0	131.5	139.0	146.5		5.60	8.60	5.20	6.50	8.72	5.95	7.41	9.95
65.8	67.8	69.8	75.3	78.8	82.8	83.8	86.3	91.3	93.8	100.5	108.0	115.5	123.0	130.5	138.0	145.5		6.00	9.40	5.78	7.24	9.72	6.41	7.98	10.70
66.9	68.9	70.9	76.4	79.9	83.9	84.9	87.4	92.4	94.9	101.6	109.1	116.6	124.1	131.6	139.1	146.6		5.40	8.60	4.90	6.12	8.21	5.71	7.12	9.57
	70.5	72.5	78.0	81.5			89.0	94.0	96.5	103.2	110.7	118.2	125.7		140.7			*4.60	7.40				4.76	5.92	7.97
63.9	65.9	67.9	73.4	76.9	80.9	81.9	84.4	89.4	91.9	98.6	106.1	113.7	121.2	128.7	136.2	143.7		6.80	11.00	6.94	8.70	11.70	7.32	9.11	12.20
	69.0	71.0	76.5	80.0			87.5	92.5	95.0	101.8	109.3	116.8	124.3		139.3			*5.20	8.60				5.48	6.82	9.18
58.3	60.3	62.3	67.9	71.4	75.4	76.4	78.9	83.9	86.4	93.1	100.6	108.1	115.6	123.1	130.6	138.1		9.40	15.40	10.50	13.20	17.20	10.10	12.50	16.30
66.1	68.1	70.1	75.6	79.1	83.1	84.1	86.6	91.6	94.1	100.9	108.4	115.9	123.4	130.9	138.4	145.9		5.60	9.40	5.20	6.50	8.72	6.00	7.48	10.10
62.3	64.3	66.3	71.8	75.3	79.3	80.3	82.8	87.8	90.3	97.1	104.6	112.1	119.6	127.1	134.6	142.1		7.40	12.40	7.79	9.76	13.00	8.04	10.00	13.30
	69.2	71.2	76.7	80.2			87.7	92.7	95.2	102.0	109.5	117.0	124.5		139.5			*5.00	8.60				5.29	6.60	8.89
64.2	66.2	68.2	73.7	77.2	81.2	82.2	84.7	89.7	92.2	99.0	106.5	114.0	121.5	129.0	136.5	144.0		6.40	11.00	6.36	7.97	10.70	6.92	8.62	11.60
66.2	68.2	70.2	75.7	79.3	83.3	84.3	86.8	91.8	94.3	101.0	108.5	116.0	123.5	131.0	138.5	146.0		5.40	9.40	4.90	6.12	8.21	5.77	7.19	9.68
	68.4	70.4	75.9	79.4			86.9	91.9	94.4	101.2	108.7	116.2	123.7		138.7			*5.20	9.40				5.53	6.90	9.29
59.0	61.0	63.0	68.5	72.0	76.0	77.0	79.5	84.5	87.0	93.7	101.2	108.7	116.3	123.8	131.3	138.8		8.60	15.40	9.46	11.80	15.60	9.33	11.60	15.20
62.8	64.8	66.8	72.3	75.8	79.8	80.8	83.3	88.3	90.8	97.5	105.0	112.5	120.0	127.5	135.0	142.5		6.80	12.40	6.94	8.70	11.70	7.37	9.18	12.30
64.5	66.5	68.5	74.0	77.5	81.5	82.5	85.0	90.0	92.5	99.3	106.8	114.3	121.8	129.3	136.8	144.3		6.00	11.00	5.78	7.24	9.72	6.47	8.06	10.80
	69.5	71.5	77.0	80.5			88.0	93.0	95.5	102.3	109.8	117.3	124.8		139.8			*4.60	8.60				4.81	6.00	8.08
	68.6	70.6	76.1	79.6			87.1	92.1	94.6	101.3	108.8	116.3	123.8		138.8			*5.00	9.40				5.29	6.60	8.89
63.1	65.1	67.1	72.6	76.1	80.1	81.1	83.6	88.6	91.1	97.8	105.3	112.8	120.3	127.8	135.4	142.9		6.40	12.40	6.36	7.97	10.70	6.92	8.62	11.60
64.8	66.8	68.8	74.3	77.8	81.8	82.8	85.3	90.3	92.8	99.6	107.1	114.6	122.1	129.6	137.1	144.6		5.60	11.00	5.20	6.50	8.72	6.00	7.48	10.10
55.9	57.9	59.9	65.4	68.9	72.9	73.9	76.4	81.4	83.9	90.7	98.2	105.7	113.2	120.7	128.2	135.7		9.40	18.40	10.50	13.20	17.20	10.20	12.60	16.40
	68.9	70.9	76.4	79.9			87.4	92.4	94.9	101.6	109.1	116.6	124.1		139.1			*4.60	9.40				4.81	6.00	8.08
65.0	67.0	69.0	74.5	78.0	82.0	83.0	85.5	90.5	93.0	99.7	107.2	114.7	122.2	129.7	137.2	144.7		5.40	11.00	4.90	6.12	8.21	5.77	7.19	9.68
63.4	65.4	67.4	72.9	76.4	80.4	81.4	83.9	88.9	91.4	98.1	105.7	113.2	120.7	128.2	135.7	143.2		6.00	12.40	5.78	7.24	9.72	6.52	8.13	10.90
59.9	61.9	63.9	69.4	72.9	76.9	77.9	80.4	85.4	87.9	94.7	102.2	109.7	117.2	124.7	132.2	139.7		7.40	15.40	7.79	9.76	13.00	8.09	10.10	13.40
	67.1	69.1	74.6	78.1			85.6	90.6	93.1	99.9	107.4	114.9	122.4		137.4			*5.20	11.00				5.59	6.97	9.40
56.5	58.5	60.5	66.0	69.5	73.5	74.5	77.0	82.0	84.6	91.3	98.8	106.3	113.8	121.3	128.9	136.4		8.60	18.40	9.46	11.80	15.60	9.38	11.60	15.40
54.6	56.6	58.6	64.1	67.6	71.6	72.6	75.1	80.1	82.6	89.4	96.9	104.4	111.9	119.4	126.9	134.5		9.40	20.00	10.50	13.20	17.20	10.20	12.60	16.50
	67.3	69.3	74.8	78.3			85.8	90.8	93.3	100.0	107.5	115.0	122.5		137.6			*5.00	11.00				5.35	6.67	9.00
63.7	65.7	67.7	73.2	76.7	80.7	81.7	84.2	89.2	91.7	98.5	106.0	113.5	121.0	128.5	136.0	143.5		5.60	12.40	5.20	6.50	8.72	6.06	7.56	10.20
60.3	62.3	64.3	69.8	73.3	77.3	78.3	80.8	85.9	88.4	95.1	102.6	110.1	117.6	125.1	132.6	140.1		6.80	15.40	6.94	8.70	11.70	7.43	9.25	12.40
63.8	65.8	67.8	73.3	76.8	80.8	81.8	84.3	89.4	91.9	98.6	106.1	113.6	121.1	128.6	136.1	143.6		5.40	12.40	4.90	6.12	8.21	5.82	7.26	9.79
55.1	57.2	59.2	64.7	68.2	72.2	73.2	75.7	80.7	83.2	90.0	97.5	105.0	112.5	120.1	127.6	135.1		8.60	20.00	9.46	11.80	15.60	9.38	11.60	15.40
	67.6	69.6	75.1	78.6			86.1	91.1	93.6	100.3	107.9	115.4	122.9		137.9			*4.60	11.00				4.87	6.07	8.19
	66.0	68.0	73.5	77.0			84.5	89.5	92.0	98.8	106.3	113.8	121.3		136.3			*5.20	12.40				5.59	6.97	9.40
60.6	62.6	64.6	70.1	73.6	77.6	78.6	81.2	86.2	88.7	95.4	102.9	110.4	117.9	125.4	133.0	140.5		6.40	15.40	6.36	7.97	10.70	6.98	8.70	11.70
	66.1	68.1	73.6	77.1			84.7	89.7	92.2	98.9	106.4	113.9	121.4		136.4			*5.00	12.40				5.35	6.67	9.00
57.4	59.4	61.4	66.9	70.4	74.4	75.4	77.9	83.0	85.5	92.2	99.7	107.2	114.8	122.3	129.8	137.3		7.40	18.40	7.79	9.76	13.00	8.09	10.10	13.40
60.9	62.9	64.9	70.4	73.9	78.0	79.0	81.5	86.5	89.0	95.7	103.2	110.7	118.2	125.8	133.3	140.8		6.00	15.40	5.78	7.24	9.72	6.52	8.13	10.90
	66.4	68.4	73.9	77.5			85.0	90.0	92.5	99.2	106.7	114.2	121.7		136.7			*4.60	12.40				4.87	6.07	8.19
50.3	52.3	54.3	59.9	63.4	67.4	68.4	71.0	76.0	78.5	85.3	92.8	100.3	107.9	115.4	122.9	130.4		9.40	25.00	10.50	13.20	17.20	10.20	12.60	16.50
57.8	59.8	61.8	67.4	70.9	74.9	75.9	78.4	83.4	85.9	92.7	100.2	107.7	115.2	122.7	130.2	137.7		6.80	18.40	6.94	8.70	11.70	7.43	9.25	12.40
56.0	58.0	60.0	65.6	69.1	73.1	74.1	76.6	81.6	84.1	90.9	98.4	105.9	113.5	121.0	128.5	136.0		7.40	20.00	7.79	9.76	13.00	8.09	10.10	13.40
61.2	63.2	65.2	70.7	74.2	78.3	79.3	81.8	86.8	89.3	96.0	103.5	111.0	118.6	126.1	133.6	141.1		5.60	15.40	5.20	6.50	8.72	6.06	7.56	10.20
61.4	63.4	65.4	70.9	74.4	78.4	79.4	81.9	86.9	89.4	96.2	103.7	111.2	118.7	126.2	133.7	141.2		5.40	15.40	4.90	6.12	8.21	5.82	7.26	9.79
58.1	60.1	62.1	67.7	71.2	75.2	76.2	78.7	83.7	86.2	93.0	100.5	108.0	115.5	123.0	130.5	138.0		6.40	18.40	6.36	7.97	10.70	6.98	8.70	11.70
50.8	52.9	54.9	60.5	64.0	68.0	69.0	71.5	76.6	79.1	85.9	93.4	100.9	108.5	116.0	123.5	131.0		8.60	25.00	9.46	11.80	15.60	9.38	11.60	15.40
	63.5	65.5	71.0	74.5			82.1	87.1	89.6	96.3	103.8	111.4	118.9		133.9			*5.20	15.40				5.59	6.97	9.40
56.5	58.5	60.5	66.0	69.5	73.6	74.6	77.1	82.1	84.6	91.4	98.9	106.4	113.9	121.4	128.9	136.4		6.80	20.00	6.94	8.70	11.70	7.43	9.25	12.40

Key to correction factors: 1.1 1.2 1.3

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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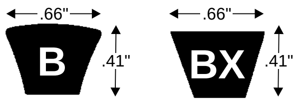

Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 15

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																			
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	B28 BX28	B29	B30	B31	B32 BX32	B33	B34 BX34	B35 BX35	B36 BX36	B37	B38 BX38	B39	B40 BX40	B41	B42 BX42	B43 BX43	B44 BX44	B45 BX45	B46 BX46	B47 BX47
296	395	595	*5.00	15.40	2.94																				
295	393	593	6.00	18.40	2.95																				
289	385	581	6.40	20.00	3.01																				
280	373	563	9.40	30.00	3.11																				
276	368	556	5.60	18.40	3.15																				
274	365	550	*4.60	15.40	3.18																				
272	363	547	6.00	20.00	3.20																				
267	356	537	5.40	18.40	3.26																				
266	355	535	7.40	25.00	3.27																				
257	343	518	*5.20	18.40	3.38																				
257	342	516	8.60	30.00	3.39																				
254	339	512	5.60	20.00	3.42																				
249	331	500	*5.00	18.40	3.50																				
246	328	494	5.40	20.00	3.54																				
245	327	493	6.80	25.00	3.55																				
237	316	477	*5.20	20.00	3.67																				
231	309	465	6.40	25.00	3.76																				
230	306	462	*4.60	18.40	3.79																				
229	305	461	*5.00	20.00	3.80																				
222	296	446	7.40	30.00	3.92																				
221	295	445	9.40	38.00	3.93																				
218	291	439	6.00	25.00	3.99																				
212	282	426	*4.60	20.00	4.11																				
205	274	413	6.80	30.00	4.24																				
204	272	411	5.60	25.00	4.26																				
203	271	409	8.60	38.00	4.28																				
197	263	397	5.40	25.00	4.41																				
193	258	389	6.40	30.00	4.50																				
190	254	383	*5.20	25.00	4.57																				
184	245	369	*5.00	25.00	4.74																				
182	243	366	6.00	30.00	4.78																				
176	234	354	7.40	38.00	4.95																				
171	227	343	5.60	30.00	5.10																				
170	227	342	*4.60	25.00	5.12																				
165	220	331	5.40	30.00	5.28																				
162	216	326	6.80	38.00	5.36																				
159	212	320	*5.20	30.00	5.47																				
153	205	309	*5.00	30.00	5.67																				
153	204	308	6.40	38.00	5.68																				
144	192	290	6.00	38.00	6.04																				
142	189	285	*4.60	30.00	6.13																				
135	180	271	5.60	38.00	6.45																				
130	174	262	5.40	38.00	6.67																				
126	168	253	*5.20	38.00	6.91																				
121	162	244	*5.00	38.00	7.17																				
112	150	226	*4.60	38.00	7.75																				

Key to correction factors: 0.7

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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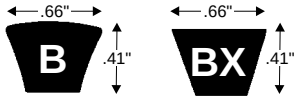
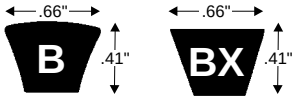


V-Belt No. and Center Distance																		Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																				Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
B48 BX48	B49 BX49	B50 BX50	B51 BX51	B52 BX52	B53 BX53	B54 BX54	B55 BX55	B56 BX56	B57 BX57	B58 BX58	B59 BX59	B60 BX60	B61 BX61	B62 BX62	B63 BX63	B64 BX64	B65 BX65	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
									12.3	12.8	13.4	13.9	14.4	15.0	15.5	16.0	16.6	*5.00	15.40				5.35	6.67	9.00
																		6.00	18.40	5.78	7.24	9.72	6.52	8.13	10.90
																		6.40	20.00	6.36	7.97	10.70	7.03	8.77	11.80
																		9.40	30.00	10.50	13.20	17.20	10.30	12.70	16.60
																		5.60	18.40	5.20	6.50	8.72	6.11	7.63	10.30
								11.9	12.5	13.1	13.6	14.1	14.7	15.2	15.8	16.3	16.8	*4.60	15.40				4.93	6.15	8.30
																		6.00	20.00	5.78	7.24	9.72	6.58	8.21	11.00
																		5.40	18.40	4.90	6.12	8.21	5.88	7.34	9.90
																		7.40	25.00	7.79	9.76	13.00	8.15	10.10	13.50
																		*5.20	18.40				5.64	7.04	9.51
																		8.60	30.00	9.46	11.80	15.60	9.44	11.70	15.50
																		5.60	20.00	5.20	6.50	8.72	6.11	7.63	10.30
																	13.3	*5.00	18.40				5.41	6.75	9.11
																		5.40	20.00	4.90	6.12	8.21	5.88	7.34	9.90
																		6.80	25.00	6.94	8.70	11.70	7.48	9.33	12.50
																		*5.20	20.00				5.64	7.04	9.51
																		6.40	25.00	6.36	7.97	10.70	7.03	8.77	11.80
																	13.5	*4.60	18.40				4.93	6.15	8.30
																		*5.00	20.00				5.41	6.75	9.11
																		7.40	30.00	7.79	9.76	13.00	8.15	10.10	13.50
																		9.40	38.00	10.50	13.20	17.20	10.30	12.70	16.60
																		6.00	25.00	5.78	7.24	9.72	6.58	8.21	11.00
																		*4.60	20.00				4.93	6.15	8.30
																		6.80	30.00	6.94	8.70	11.70	7.48	9.33	12.50
																		5.60	25.00	5.20	6.50	8.72	6.11	7.63	10.30
																		8.60	38.00	9.46	11.80	15.60	9.44	11.70	15.50
																		5.40	25.00	4.90	6.12	8.21	5.88	7.34	9.90
																		6.40	30.00	6.36	7.97	10.70	7.03	8.77	11.80
																		*5.20	25.00				5.64	7.04	9.51
																		*5.00	25.00				5.41	6.75	9.11
																		6.00	30.00	5.78	7.24	9.72	6.58	8.21	11.00
																		7.40	38.00	7.79	9.76	13.00	8.15	10.10	13.50
																		5.60	30.00	5.20	6.50	8.72	6.11	7.63	10.30
																		*4.60	25.00				4.93	6.15	8.30
																		5.40	30.00	4.90	6.12	8.21	5.88	7.34	9.90
																		6.80	38.00	6.94	8.70	11.70	7.48	9.33	12.50
																		*5.20	30.00				5.64	7.04	9.51
																		*5.00	30.00				5.41	6.75	9.11
																		6.40	38.00	6.36	7.97	10.70	7.03	8.77	11.80
																		6.00	38.00	5.78	7.24	9.72	6.58	8.21	11.00
																		*4.60	30.00				4.93	6.15	8.30
																		5.60	38.00	5.20	6.50	8.72	6.11	7.63	10.30
																		5.40	38.00	4.90	6.12	8.21	5.88	7.34	9.90
																		*5.20	38.00				5.64	7.04	9.51
																		*5.00	38.00				5.41	6.75	9.11
																		*4.60	38.00				4.93	6.15	8.30

Key to correction factors: 0.7 0.8

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 15

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																	
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	B66 BX66	B67 BX67	B68 BX68	B69 BX69	B70 BX70	B71 BX71	B72 BX72	B73 BX73	B74 BX74	B75 BX75	B76 BX76	B77 BX77	B78 BX78	B79 BX79	B80 BX80	B81 BX81	B82 BX82	B83 BX83	B84 BX84	B85 BX85
296	395	595	*5.00	15.40	2.94	17.1	17.6	18.1	18.6	19.2	19.7	20.2	20.7	21.2	21.8	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.9	26.4	26.9
295	393	593	6.00	18.40	2.95		13.8	14.4	14.9	15.5	16.0	16.6	17.1	17.6	18.2	18.7	19.2	19.8	20.3	20.8	21.3	21.9	22.4	22.9	23.4
289	385	581	6.40	20.00	3.01								15.1	15.7	16.2	16.8	17.3	17.9	18.4	18.9	19.5	20.0	20.5	21.1	21.6
280	373	563	9.40	30.00	3.11																				
276	368	556	5.60	18.40	3.15		14.1	14.6	15.2	15.7	16.3	16.8	17.4	17.9	18.4	19.0	19.5	20.0	20.5	21.1	21.6	22.1	22.6	23.2	23.7
274	365	550	*4.60	15.40	3.18	17.3	17.9	18.4	18.9	19.4	20.0	20.5	21.0	21.5	22.0	22.5	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.6	27.2
272	363	547	6.00	20.00	3.20							14.8	15.4	15.9	16.5	17.0	17.6	18.1	18.6	19.2	19.7	20.3	20.8	21.3	21.8
267	356	537	5.40	18.40	3.26	13.6	14.2	14.8	15.3	15.9	16.4	16.9	17.5	18.0	18.6	19.1	19.6	20.1	20.7	21.2	21.7	22.3	22.8	23.3	23.8
266	355	535	7.40	25.00	3.27																				
257	343	518	*5.20	18.40	3.38	13.7	14.3	14.9	15.4	16.0	16.5	17.1	17.6	18.2	18.7	19.2	19.8	20.3	20.8	21.3	21.9	22.4	22.9	23.4	23.9
257	342	516	8.60	30.00	3.39																				
254	339	512	5.60	20.00	3.42						14.5	15.0	15.6	16.2	16.7	17.3	17.8	18.4	18.9	19.4	20.0	20.5	21.1	21.6	22.1
249	331	500	*5.00	18.40	3.50	13.9	14.4	15.0	15.6	16.1	16.7	17.2	17.7	18.3	18.8	19.3	19.9	20.4	20.9	21.5	22.0	22.5	23.0	23.6	24.1
246	328	494	5.40	20.00	3.54						14.6	15.2	15.7	16.3	16.8	17.4	17.9	18.5	19.0	19.6	20.1	20.6	21.2	21.7	22.2
245	327	493	6.80	25.00	3.55																				
237	316	477	*5.20	20.00	3.67						14.7	15.3	15.8	16.4	17.0	17.5	18.1	18.6	19.2	19.7	20.2	20.8	21.3	21.8	22.4
231	309	465	6.40	25.00	3.76																				
230	306	462	*4.60	18.40	3.79	14.1	14.7	15.2	15.8	16.4	16.9	17.5	18.0	18.5	19.1	19.6	20.1	20.7	21.2	21.7	22.3	22.8	23.3	23.8	24.4
229	305	461	*5.00	20.00	3.80					14.2	14.8	15.4	16.0	16.5	17.1	17.6	18.2	18.7	19.3	19.8	20.4	20.9	21.4	22.0	22.5
222	296	446	7.40	30.00	3.92																				
221	295	445	9.40	38.00	3.93																				
218	291	439	6.00	25.00	3.99																				
212	282	426	*4.60	20.00	4.11				13.9	14.5	15.1	15.6	16.2	16.8	17.3	17.9	18.4	19.0	19.5	20.1	20.6	21.2	21.7	22.2	22.8
205	274	413	6.80	30.00	4.24																				
204	272	411	5.60	25.00	4.26																				
203	271	409	8.60	38.00	4.28																				
197	263	397	5.40	25.00	4.41																				
193	258	389	6.40	30.00	4.50																				
190	254	383	*5.20	25.00	4.57																				
184	245	369	*5.00	25.00	4.74																				16.8
182	243	366	6.00	30.00	4.78																				
176	234	354	7.40	38.00	4.95																				
171	227	343	5.60	30.00	5.10																				
170	227	342	*4.60	25.00	5.12																			16.4	17.0
165	220	331	5.40	30.00	5.28																				
162	216	326	6.80	38.00	5.36																				
159	212	320	*5.20	30.00	5.47																				
153	205	309	*5.00	30.00	5.67																				
153	204	308	6.40	38.00	5.68																				
144	192	290	6.00	38.00	6.04																				
142	189	285	*4.60	30.00	6.13																				
135	180	271	5.60	38.00	6.45																				
130	174	262	5.40	38.00	6.67																				
126	168	253	*5.20	38.00	6.91																				
121	162	244	*5.00	38.00	7.17																				
112	150	226	*4.60	38.00	7.75																				

Key to correction factors: 0.7 0.8 0.9

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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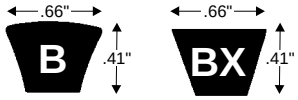
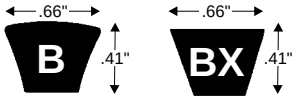


V-Belt No. and Center Distance																		Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																				Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
B86 BX86	B87 BX87	B88 BX88	B89 BX89	B90 BX90	B91 BX91	B92 BX92	B93 BX93	B94 BX94	B95 BX95	B96 BX96	B97 BX97	B98	B99 BX99	B100 BX100	B103 BX103	B105 BX105	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	32.0	32.5	33.0		34.0	34.5	36.0	37.0	*5.00	15.40				5.35	6.67	9.00
23.9	24.4	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.6	29.1	29.6	30.1	30.6	31.1	32.6	33.7	6.00	18.40	5.78	7.24	9.72	6.52	8.13	10.90
22.1	22.6	23.2	23.7	24.2	24.7	25.2	25.8	26.3	26.8	27.3	27.8	28.3	28.9	29.4	30.9	31.9	6.40	20.00	6.36	7.97	10.70	7.03	8.77	11.80
																	9.40	30.00	10.50	13.20	17.20	10.30	12.70	16.60
24.2	24.7	25.2	25.8	26.3	26.8	27.3	27.8	28.3	28.8	29.3	29.9	30.4	30.9	31.4	32.9	33.9	5.60	18.40	5.20	6.50	8.72	6.11	7.63	10.30
27.7	28.2	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.3		34.3	34.8	36.3	37.3	*4.60	15.40				4.93	6.15	8.30
22.4	22.9	23.4	23.9	24.5	25.0	25.5	26.0	26.6	27.1	27.6	28.1	28.6	29.1	29.6	31.2	32.2	6.00	20.00	5.78	7.24	9.72	6.58	8.21	11.00
24.3	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.5	29.0	29.5	30.0	30.5	31.0	31.5	33.1	34.1	5.40	18.40	4.90	6.12	8.21	5.88	7.34	9.90
				18.3	18.9	19.4	20.0	20.5	21.1	21.6	22.2	22.7	23.3	23.8	25.4	26.5	7.40	25.00	7.79	9.76	13.00	8.15	10.10	13.50
24.5	25.0	25.5	26.0	26.5	27.1	27.6	28.1	28.6	29.1	29.6	30.1		31.2	31.7	33.2	34.2	*5.20	18.40				5.64	7.04	9.51
																	8.60	30.00	9.46	11.80	15.60	9.44	11.70	15.50
22.6	23.2	23.7	24.2	24.7	25.3	25.8	26.3	26.8	27.3	27.9	28.4	28.9	29.4	29.9	31.5	32.5	5.60	20.00	5.20	6.50	8.72	6.11	7.63	10.30
24.6	25.1	25.6	26.2	26.7	27.2	27.7	28.2	28.7	29.3	29.8	30.3		31.3	31.8	33.3	34.4	*5.00	18.40				5.41	6.75	9.11
22.8	23.3	23.8	24.3	24.9	25.4	25.9	26.4	27.0	27.5	28.0	28.5	29.0	29.5	30.1	31.6	32.6	5.40	20.00	4.90	6.12	8.21	5.88	7.34	9.90
		17.5	18.1	18.7	19.2	19.8	20.4	20.9	21.5	22.0	22.6	23.1	23.7	24.2	25.8	26.9	6.80	25.00	6.94	8.70	11.70	7.48	9.33	12.50
22.9	23.4	24.0	24.5	25.0	25.5	26.0	26.6	27.1	27.6	28.1	28.6		29.7	30.2	31.7	32.8	*5.20	20.00				5.64	7.04	9.51
		17.7	18.3	18.9	19.5	20.0	20.6	21.2	21.7	22.3	22.8	23.4	23.9	24.4	26.1	27.1	6.40	25.00	6.36	7.97	10.70	7.03	8.77	11.80
24.9	25.4	25.9	26.4	26.9	27.5	28.0	28.5	29.0	29.5	30.0	30.6		31.6	32.1	33.6	34.6	*4.60	18.40				4.93	6.15	8.30
23.0	23.6	24.1	24.6	25.1	25.7	26.2	26.7	27.2	27.7	28.3	28.8		29.8	30.3	31.9	32.9	*5.00	20.00				5.41	6.75	9.11
																20.9	7.40	30.00	7.79	9.76	13.00	8.15	10.10	13.50
																	9.40	38.00	10.50	13.20	17.20	10.30	12.70	16.60
	17.4	18.0	18.6	19.1	19.7	20.3	20.8	21.4	22.0	22.5	23.1	23.6	24.2	24.7	26.3	27.4	6.00	25.00	5.78	7.24	9.72	6.58	8.21	11.00
23.3	23.8	24.4	24.9	25.4	25.9	26.5	27.0	27.5	28.0	28.5	29.1		30.1	30.6	32.2	33.2	*4.60	20.00				4.93	6.15	8.30
															20.0	21.2	6.80	30.00	6.94	8.70	11.70	7.48	9.33	12.50
17.0	17.6	18.2	18.8	19.4	20.0	20.5	21.1	21.7	22.2	22.8	23.3	23.9	24.4	25.0	26.6	27.6	5.60	25.00	5.20	6.50	8.72	6.11	7.63	10.30
																	8.60	38.00	9.46	11.80	15.60	9.44	11.70	15.50
17.1	17.7	18.3	18.9	19.5	20.1	20.7	21.2	21.8	22.3	22.9	23.4	24.0	24.5	25.1	26.7	27.8	5.40	25.00	4.90	6.12	8.21	5.88	7.34	9.90
															20.3	21.5	6.40	30.00	6.36	7.97	10.70	7.03	8.77	11.80
17.3	17.9	18.5	19.0	19.6	20.2	20.8	21.3	21.9	22.5	23.0	23.6		24.7	25.2	26.8	27.9	*5.20	25.00				5.64	7.04	9.51
17.4	18.0	18.6	19.2	19.7	20.3	20.9	21.5	22.0	22.6	23.1	23.7		24.8	25.3	27.0	28.0	*5.00	25.00				5.41	6.75	9.11
															20.5	21.7	6.00	30.00	5.78	7.24	9.72	6.58	8.21	11.00
																	7.40	38.00	7.79	9.76	13.00	8.15	10.10	13.50
															20.7	22.0	5.60	30.00	5.20	6.50	8.72	6.11	7.63	10.30
17.6	18.2	18.8	19.4	20.0	20.6	21.1	21.7	22.3	22.8	23.4	23.9		25.0	25.6	27.2	28.3	*4.60	25.00				4.93	6.15	8.30
															20.9	22.1	5.40	30.00	4.90	6.12	8.21	5.88	7.34	9.90
																	6.80	38.00	6.94	8.70	11.70	7.48	9.33	12.5
															21.0	22.2	*5.20	30.00				5.64	7.04	9.51
														19.2	21.1	22.3	*5.00	30.00				5.41	6.75	9.11
																	6.40	38.00	6.36	7.97	10.70	7.03	8.77	11.80
																	6.00	38.00	5.78	7.24	9.72	6.58	8.21	11.00
														19.4	21.3	22.5	*4.60	30.00				4.93	6.15	8.30
																	5.60	38.00	5.20	6.50	8.72	6.11	7.63	10.30
																	5.40	38.00	4.90	6.12	8.21	5.88	7.34	9.90
																	*5.20	38.00				5.64	7.04	9.51
																	*5.00	38.00				5.41	6.75	9.11
																	*4.60	38.00				4.93	6.15	8.30

Key to correction factors: 0.7 0.8 0.9 1.0

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 15

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																						
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	B106	B108 BX108	B10	B112 BX112	BX113	B114	B115 BX115	B116 BX116	B118	B120 BX120	B124 BX124	B126	B128 BX128	B133 BX133	B136 BX136	B140 BX140	B142	B144 BX144	B148	B150 BX150
296	395	595	*5.00	15.40	2.94		38.5		40.5	41.0		42.1	42.6		44.6	46.6		48.6	51.1	52.6	54.6		56.6		59.7
295	393	593	6.00	18.40	2.95	34.2	35.2	36.2	37.2	37.7	38.2	38.7	39.2	40.3	41.3	43.3	44.3	45.3	47.8	49.3	51.4	52.4	53.4	55.4	56.4
289	385	581	6.40	20.00	3.01	32.5	33.5	34.5	35.5	36.0	36.5	37.0	37.5	38.6	39.6	41.6	42.6	43.6	46.2	47.7	49.7	50.7	51.7	53.7	54.7
280	373	563	9.40	30.00	3.11		21.4	22.6	23.7	24.2	24.8	25.3	25.9	27.0	28.0	30.2	31.2	32.3	34.9	36.5	38.6	39.6	40.6	42.7	43.7
276	368	556	5.60	18.40	3.15	34.5	35.5	36.5	37.5	38.0	38.5	39.0	39.5	40.5	41.6	43.6	44.6	45.6	48.1	49.6	51.7	52.7	53.7	55.7	56.7
274	365	550	*4.60	15.40	3.18		38.8		40.8	41.3		42.3	42.9		44.9	46.9		48.9	51.4	52.9	54.9		56.9		59.9
272	363	547	6.00	20.00	3.20	32.7	33.8	34.8	35.8	36.3	36.8	37.3	37.8	38.8	39.9	41.9	42.9	43.9	46.5	48.0	50.0	51.0	52.0	54.0	55.0
267	356	537	5.40	18.40	3.26	34.6	35.6	36.6	37.6	38.2	38.7	39.2	39.7	40.7	41.7	43.7	44.7	45.7	48.3	49.8	51.8	52.8	53.8	55.8	56.8
266	355	535	7.40	25.00	3.27	27.0	28.1	29.1	30.2	30.7	31.2	31.7	32.2	33.3	34.3	36.4	37.4	38.4	41.0	42.5	44.6	45.6	46.6	48.7	49.7
257	343	518	*5.20	18.40	3.38		35.8		37.8	38.3		39.3	39.8		41.8	43.9		45.9	48.4	49.9	51.9		54.0		57.0
257	342	516	8.60	30.00	3.39		21.9	23.1	24.2	24.7	25.3	25.8	26.4	27.5	28.6	30.7	31.8	32.8	35.5	37.0	39.1	40.1	41.2	43.3	44.3
254	339	512	5.60	20.00	3.42	33.0	34.0	35.1	36.1	36.6	37.1	37.6	38.1	39.1	40.1	42.2	43.2	44.2	46.7	48.3	50.3	51.3	52.3	54.3	55.3
249	331	500	*5.00	18.40	3.50		35.9		37.9	38.4		39.5	40.0		42.0	44.0		46.0	48.6	50.1	52.1		54.1		57.1
246	328	494	5.40	20.00	3.54	33.1	34.2	35.2	36.2	36.7	37.2	37.7	38.3	39.3	40.3	42.3	43.3	44.3	46.9	48.4	50.4	51.4	52.4	54.5	55.5
245	327	493	6.80	25.00	3.55	27.4	28.5	29.5	30.6	31.1	31.6	32.1	32.6	33.7	34.7	36.8	37.8	38.9	41.4	43.0	45.0	46.0	47.0	49.1	50.1
237	316	477	*5.20	20.00	3.67		34.3		36.4	36.9		37.9	38.4		40.4	42.5		44.5	47.0	48.5	50.6		52.6		55.6
231	309	465	6.40	25.00	3.76	27.7	28.7	29.8	30.8	31.3	31.9	32.4	32.9	34.0	35.0	37.1	38.1	39.1	41.7	43.2	45.3	46.3	47.3	49.4	50.4
230	306	462	*4.60	18.40	3.79		36.2		38.2	38.7		39.7	40.2		42.3	44.3		46.3	48.8	50.4	52.4		54.4		57.4
229	305	461	*5.00	20.00	3.80		34.4		36.5	37.0		38.0	38.5		40.6	42.6		44.6	47.2	48.7	50.7		52.7		55.8
222	296	446	7.40	30.00	3.92	21.5	22.6	23.8	24.9	25.5	26.0	26.6	27.1	28.2	29.3	31.5	32.5	33.6	36.3	37.8	39.9	41.0	42.0	44.1	45.1
221	295	445	9.40	38.00	3.93														26.2	27.9	30.2	31.4	32.5	34.7	35.8
218	291	439	6.00	25.00	3.99	27.9	29.0	30.0	31.1	31.6	32.1	32.7	33.2	34.2	35.3	37.3	38.4	39.4	42.0	43.5	45.6	46.6	47.6	49.6	50.7
212	282	426	*4.60	20.00	4.11		34.7		36.8	37.3		38.3	38.8		40.9	42.9		44.9	47.5	49.0	51.0		53.0		56.0
205	274	413	6.80	30.00	4.24	21.8	23.0	24.2	25.3	25.8	26.4	27.0	27.5	28.6	29.7	31.9	32.9	34.0	36.6	38.2	40.3	41.4	42.4	44.5	45.5
204	272	411	5.60	25.00	4.26	28.2	29.2	30.3	31.4	31.9	32.4	32.9	33.5	34.5	35.5	37.6	38.6	39.7	42.2	43.8	45.8	46.9	47.9	49.9	50.9
203	271	409	8.60	38.00	4.28														26.6	28.4	30.7	31.8	33.0	35.2	36.3
197	263	397	5.40	25.00	4.41	28.3	29.4	30.4	31.5	32.0	32.5	33.1	33.6	34.6	35.7	37.7	38.8	39.8	42.4	43.9	46.0	47.0	48.0	50.1	51.1
193	258	389	6.40	30.00	4.50	22.1	23.2	24.4	25.5	26.1	26.7	27.2	27.8	28.9	30.0	32.1	33.2	34.3	36.9	38.5	40.6	41.6	42.7	44.7	45.8
190	254	383	*5.20	25.00	4.57		29.5		31.6	32.1		33.2	33.7		35.8	37.9		39.9	42.5	44.1	46.1		48.2		51.2
184	245	369	*5.00	25.00	4.74		29.6		31.7	32.3		33.3	33.8		35.9	38.0		40.1	42.7	44.2	46.3		48.3		51.4
182	243	366	6.00	30.00	4.78	22.3	23.5	24.6	25.8	26.3	26.9	27.5	28.0	29.1	30.2	32.4	33.4	34.5	37.2	38.8	40.9	41.9	42.9	45.0	46.1
176	234	354	7.40	38.00	4.95														27.3	29.1	31.4	32.6	33.7	35.9	37.0
171	227	343	5.60	30.00	5.10	22.6	23.7	24.9	26.0	26.6	27.1	27.7	28.3	29.4	30.5	32.6	33.7	34.8	37.4	39.0	41.1	42.2	43.2	45.3	46.3
170	227	342	*4.60	25.00	5.12		29.9		32.0	32.5		33.6	34.1		36.2	38.3		40.4	42.9	44.5	46.5		48.6		51.6
165	220	331	5.40	30.00	5.28	22.7	23.8	25.0	26.1	26.7	27.3	27.8	28.4	29.5	30.6	32.8	33.8	34.9	37.6	39.1	41.2	42.3	43.3	45.4	46.5
162	216	326	6.80	38.00	5.36													24.6	27.7	29.5	31.8	32.9	34.1	36.3	37.4
159	212	320	*5.20	30.00	5.47		24.0		26.3	26.8		28.0	28.5		30.7	32.9		35.0	37.7	39.3	41.4		43.5		46.6
153	205	309	*5.00	30.00	5.67		24.1		26.4	27.0		28.1	28.6		30.8	33.0		35.2	37.8	39.4	41.5		43.6		46.7
153	204	308	6.40	38.00	5.68													24.8	27.9	29.7	32.0	33.2	34.3	36.6	37.7
144	192	290	6.00	38.00	6.04												23.7	25.0	28.2	30.0	32.3	33.4	34.6	36.8	37.9
142	189	285	*4.60	30.00	6.13		24.3		26.6	27.2		28.3	28.9		31.1	33.3		35.4	38.1	39.7	41.8		43.9		47.0
135	180	271	5.60	38.00	6.45												23.9	25.3	28.4	30.2	32.5	33.7	34.8	37.1	38.2
130	174	262	5.40	38.00	6.67												24.0	25.4	28.5	30.3	32.7	33.8	34.9	37.2	38.3
126	168	253	*5.20	38.00	6.91													25.5	28.6	30.4	32.8		35.1		38.4
121	162	244	*5.00	38.00	7.17													25.6	28.7	30.6	32.9		35.2		38.5
112	150	226	*4.60	38.00	7.75											23.1		25.8	29.0	30.8	33.1		35.4		38.8

Key to correction factors: 0.7 | 0.8 | 0.9 | 1.0 | 1.1

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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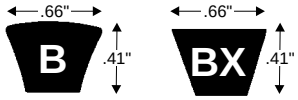
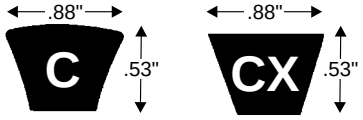


V-Belt No. and Center Distance																	Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																			Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
B154	B158 BX158	B162 BX162	B173 BX173	B180 BX180	B188	B190	B195 BX195	B205 BX205	B210 BX210	B225 BX225	B240 BX240	B255 BX255	B270 BX270	B285	B300 BX300	B315	Small Sheave	Large Sheave	1160 RPM	1750 RPM	3450 RPM	1160 RPM	1750 RPM	3450 RPM
	63.7	65.7	71.2	74.7			82.2	87.2	89.7	96.5	104.0	111.5	119.0		134.0		*5.00	15.40						
58.4	60.4	62.4	68.0	71.5	75.5	76.5	79.0	84.0	86.5	93.3	100.8	108.3	115.8	123.3	130.8	138.3	6.00	18.40	5.78	7.24	9.72	6.52	8.13	10.90
56.8	58.8	60.8	66.3	69.8	73.9	74.9	77.4	82.4	84.9	91.7	99.2	106.7	114.2	121.7	129.2	136.7	6.40	20.00	6.36	7.97	10.70	7.03	8.77	11.80
45.8	47.8	49.9	55.5	59.1	63.1	64.1	66.7	71.7	74.2	81.0	88.6	96.2	103.7	111.2	118.8	126.3	9.40	30.00	10.50	13.20	17.20	10.30	12.70	16.60
58.7	60.7	62.7	68.3	71.8	75.8	76.8	79.3	84.3	86.8	93.6	101.1	108.6	116.1	123.6	131.1	138.7	5.60	18.40	5.20	6.50	8.72	6.11	7.63	10.30
	64.0	66.0	71.5	75.0			82.5	87.5	90.0	96.8	104.3	111.8	119.3		134.3		*4.60	15.40				4.93	6.15	8.30
57.0	59.1	61.1	66.6	70.1	74.1	75.2	77.7	82.7	85.2	92.0	99.5	107.0	114.5	122.0	129.5	137.1	6.00	20.00	5.78	7.24	9.72	6.58	8.21	11.00
58.8	60.9	62.9	68.4	71.9	75.9	76.9	79.4	84.5	87.0	93.7	101.2	108.8	116.3	123.8	131.3	138.8	5.40	18.40	4.90	6.12	8.21	5.88	7.34	9.90
51.7	53.7	55.8	61.3	64.9	68.9	69.9	72.4	77.5	80.0	86.8	94.3	101.8	109.3	116.9	124.4	131.9	7.40	25.00	7.79	9.76	13.00	8.15	10.10	13.50
	61.0	63.0	68.5	72.1			79.6	84.6	87.1	93.9	101.4	108.9	116.4		131.4		*5.20	18.40				5.64	7.04	9.51
46.3	48.4	50.4	56.1	59.6	63.7	64.7	67.2	72.3	74.8	81.6	89.2	96.7	104.3	111.8	119.4	126.9	8.60	30.00	9.46	11.80	15.60	9.44	11.70	15.5
57.3	59.4	61.4	66.9	70.4	74.4	75.5	78.0	83.0	85.5	92.3	99.8	107.3	114.8	122.3	129.8	137.4	5.60	20.00	5.20	6.50	8.72	6.11	7.63	10.3
	61.2	63.2	68.7	72.2			79.7	84.8	87.3	94.0	101.6	109.1	116.6		131.6		*5.00	18.40				5.41	6.75	9.11
57.5	59.5	61.5	67.1	70.6	74.6	75.6	78.1	83.1	85.6	92.4	99.9	107.5	115.0	122.5	130.0	137.5	5.40	20.00	4.90	6.12	8.21	5.88	7.34	9.90
52.1	54.2	56.2	61.8	65.3	69.3	70.3	72.9	77.9	80.4	87.2	94.7	102.3	109.8	117.3	124.8	132.4	6.80	25.00	6.94	8.70	11.70	7.48	9.33	12.50
	59.6	61.7	67.2	70.7			78.3	83.3	85.8	92.6	100.1	107.6	115.1		130.1		*5.20	20.00				5.64	7.04	9.51
52.4	54.4	56.5	62.0	65.6	69.6	70.6	73.1	78.2	80.7	87.5	95.0	102.6	110.1	117.6	125.1	132.7	6.40	25.00	6.36	7.97	10.70	7.03	8.77	11.80
	61.4	63.5	69.0	72.5			80.0	85.1	87.6	94.3	101.9	109.4	116.9		131.9		*4.60	18.40				4.93	6.15	8.30
	59.8	61.8	67.3	70.9			78.4	83.4	85.9	92.7	100.2	107.8	115.3		130.3		*5.00	20.00				5.41	6.75	9.11
47.2	49.2	51.3	56.9	60.5	64.5	65.5	68.1	73.2	75.7	82.5	90.1	97.6	105.2	112.7	120.2	127.8	7.40	30.00	7.79	9.76	13.00	8.15	10.10	13.50
37.9	40.1	42.2	48.0	51.7	55.8	56.9	59.4	64.6	67.1	74.0	81.7	89.3	96.9	104.4	112.0	119.6	9.40	38.00	10.50	13.20	17.20	10.30	12.70	16.60
52.7	54.7	56.8	62.3	65.9	69.9	70.9	73.4	78.5	81.0	87.8	95.3	102.9	110.4	117.9	125.4	133.0	6.00	25.00	5.78	7.24	9.72	6.58	8.21	11.00
	60.1	62.1	67.6	71.2			78.7	83.7	86.2	93.0	100.5	108.1	115.6		130.6		*4.60	20.00				4.93	6.15	8.30
47.6	49.6	51.7	57.3	60.9	65.0	66.0	68.5	73.6	76.1	82.9	90.5	98.1	105.6	113.2	120.7	128.2	6.80	30.00	6.94	8.70	11.70	7.48	9.33	12.50
53.0	55.0	57.0	62.6	66.2	70.2	71.2	73.7	78.8	81.3	88.1	95.6	103.2	110.7	118.2	125.7	133.3	5.60	25.00	5.20	6.50	8.72	6.11	7.63	10.30
38.5	40.6	42.7	48.6	52.2	56.4	57.4	60.0	65.1	67.7	74.6	82.2	89.8	97.4	105.0	112.6	120.2	8.60	38.00	9.46	11.80	15.60	9.44	11.70	15.50
53.1	55.2	57.2	62.8	66.3	70.3	71.3	73.9	78.9	81.4	88.2	95.8	103.3	110.8	118.4	125.9	133.4	5.40	25.00	4.90	6.12	8.21	5.88	7.34	9.90
47.8	49.9	52.0	57.6	61.2	65.2	66.3	68.8	73.9	76.4	83.2	90.8	98.4	105.9	113.4	121.0	128.5	6.40	30.00	6.36	7.97	10.70	7.03	8.77	11.80
	55.3	57.3	62.9	66.4			74.0	79.1	81.6	88.4	95.9	103.5	111.0		126.0		*5.20	25.00				5.64	7.04	9.51
	55.4	57.5	63.0	66.6			74.2	79.2	81.7	88.5	96.1	103.6	111.1		126.2		*5.00	25.00				5.41	6.75	9.11
48.1	50.2	52.2	57.9	61.5	65.5	66.5	69.1	74.2	76.7	83.5	91.1	98.6	106.2	113.7	121.3	128.8	6.00	30.00	5.78	7.24	9.72	6.58	8.21	11.00
39.2	41.4	43.5	49.4	53.0	57.2	58.2	60.8	66.0	68.5	75.4	83.1	90.7	98.3	105.9	113.5	121.0	7.40	38.00	7.79	9.76	13.00	8.15	10.10	13.50
48.4	50.5	52.5	58.2	61.7	65.8	66.8	69.4	74.4	77.0	83.8	91.4	98.9	106.5	114.0	121.6	129.1	5.60	30.00	5.20	6.50	8.72	6.11	7.63	10.30
	55.7	57.7	63.3	66.9			74.5	79.5	82.0	88.8	96.4	103.9	111.4		126.5		*4.60	25.00				4.93	6.15	8.30
48.5	50.6	52.7	58.3	61.9	65.9	67.0	69.5	74.6	77.1	83.9	91.5	99.1	106.6	114.2	121.7	129.3	5.40	30.00	4.90	6.12	8.21	5.88	7.34	9.90
39.6	41.8	43.9	49.7	53.4	57.6	58.6	61.2	66.4	68.9	75.9	83.5	91.1	98.7	106.3	113.9	121.5	6.80	38.00	6.94	8.70	11.70	7.48	9.33	12.50
	50.7	52.8	58.4	62.0			69.6	74.7	77.3	84.1	91.7	99.2	106.8		121.9		*5.20	30.00				5.64	7.04	9.51
	50.9	52.9	58.6	62.1			69.8	74.9	77.4	84.2	91.8	99.4	106.9		122.0		*5.00	30.00				5.41	6.75	9.11
39.9	42.0	44.2	50.0	53.7	57.9	58.9	61.5	66.6	69.2	76.1	83.8	91.4	99.0	106.6	114.2	121.8	6.40	38.00	6.36	7.97	10.70	7.03	8.77	11.80
40.1	42.3	44.4	50.3	54.0	58.1	59.2	61.8	66.9	69.5	76.4	84.1	91.7	99.3	106.9	114.5	122.0	6.00	38.00	5.78	7.24	9.72	6.58	8.21	11.00
	51.1	53.2	58.8	62.4			70.1	75.1	77.7	84.5	92.1	99.7	107.2		122.3		*4.60	30.00				4.93	6.15	8.30
40.4	42.5	44.7	50.5	54.2	58.4	59.4	62.0	67.2	69.8	76.7	84.3	92.0	99.6	107.2	114.8	122.3	5.60	38.00	5.20	6.50	8.72	6.11	7.63	10.30
40.5	42.7	44.8	50.7	54.4	58.5	59.6	62.2	67.3	69.9	76.8	84.5	92.1	99.7	107.3	114.9	122.5	5.40	38.00	4.90	6.12	8.21	5.88	7.34	9.90
	42.8	44.9	50.8	54.5			62.3	67.5	70.0	77.0	84.6	92.3	99.9		115.0		*5.20	38.00				5.64	7.04	9.51
	42.9	45.1	50.9	54.6			62.4	67.6	70.2	77.1	84.8	92.4	100.0		115.2		*5.00	38.00				5.41	6.75	9.11
	43.2	45.3	51.2	54.9			62.7	67.9	70.5	77.4	85.0	92.7	100.3		115.5		*4.60	38.00				4.93	6.15	8.30

Key to correction factors: 1.0 1.1 1.2 1.3

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-Belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 16

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance														
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	C51 CX51	C53	C55	C60 CX60	C62	C68 CX68	C71	C72	C75 CX75	C78	C81 CX81	C83	C85 CX85	C90 CX90	C93
870	1160	1750	*7.00	*7.00	1.00	16.0			20.5		24.5			28.0		31.0		33.0	35.5	
870	1160	1750	*7.50	*7.50	1.00	15.2			19.7		23.7			27.2		30.2		32.2	34.7	
870	1160	1750	*8.00	*8.00	1.00	14.4			18.9		22.9			26.4		29.4		31.4	33.9	
870	1160	1750	*8.50	*8.50	1.00	13.6			18.1		22.1			25.6		28.6		30.6	33.1	
870	1160	1750	9.00	9.00	1.00	12.8	13.8	14.8	17.3	18.3	21.3	22.8	23.3	24.8	26.3	27.8	28.8	29.8	32.3	33.8
870	1160	1750	9.50	9.50	1.00	12.0	13.0	14.0	16.5	17.5	20.5	22.0	22.5	24.0	25.5	27.0	28.0	29.0	31.5	33.0
870	1160	1750	10.00	10.00	1.00		12.2	13.2	15.7	16.7	19.7	21.2	21.7	23.2	24.7	26.2	27.2	28.2	30.7	32.2
870	1160	1750	10.50	10.50	1.00			12.5	15.0	16.0	19.0	20.5	21.0	22.5	24.0	25.5	26.5	27.5	30.0	31.5
870	1160	1750	11.00	11.00	1.00				14.2	15.2	18.2	19.7	20.2	21.7	23.2	24.7	25.7	26.7	29.2	30.7
870	1160	1750	12.00	12.00	1.00						16.6	18.1	18.6	20.1	21.6	23.1	24.1	25.1	27.6	29.1
870	1160	1750	13.00	13.00	1.00						15.0	16.5	17.0	18.5	20.0	21.5	22.5	23.5	26.0	27.5
870	1160	1750	14.00	14.00	1.00									17.0	18.5	20.0	21.0	22.0	24.5	26.0
870	1160	1750	16.00	16.00	1.00													18.8	21.3	22.8
829	1105	1667	9.00	9.50	1.05	12.4	13.4	14.4	16.9	17.9	20.9	22.4	22.9	24.4	25.9	27.4	28.4	29.4	31.9	33.4
829	1105	1667	9.50	10.00	1.05		12.6	13.6	16.1	17.1	20.1	21.6	22.1	23.6	25.1	26.6	27.6	28.6	31.1	32.6
829	1105	1667	10.00	10.50	1.05			12.8	15.3	16.3	19.3	20.8	21.3	22.8	24.3	25.8	26.8	27.8	30.3	31.8
829	1105	1667	10.50	11.00	1.05				14.6	15.6	18.6	20.1	20.6	22.1	23.6	25.1	26.1	27.1	29.6	31.1
821	1094	1651	*7.50	*8.00	1.06	14.8			19.3		23.3			26.8		29.8		31.8	34.3	
821	1094	1651	*8.00	*8.50	1.06	14.0			18.5		22.5			26.0		29.0		31.0	33.5	
821	1094	1651	*8.50	9.00	1.06	13.2			17.7		21.7			25.2		28.2		30.2	32.7	
813	1084	1636	*7.00	*7.50	1.07	15.6			20.1		24.1			27.6		30.6		32.6	35.1	
813	1084	1636	13.00	14.00	1.07							15.7	16.2	17.7	19.2	20.7	21.7	22.7	25.2	26.7
806	1074	1620	12.00	13.00	1.08						15.8	17.3	17.8	19.3	20.8	22.3	23.3	24.3	26.8	28.3
798	1064	1606	11.00	12.00	1.09				13.4	14.4	17.4	18.9	19.4	20.9	22.4	23.9	24.9	25.9	28.4	29.9
791	1055	1591	9.50	10.50	1.10		12.2	13.2	15.7	16.7	19.7	21.2	21.7	23.2	24.7	26.2	27.2	28.2	30.7	32.2
791	1055	1591	10.00	11.00	1.10			12.4	14.9	15.9	19.0	20.5	21.0	22.5	24.0	25.5	26.5	27.5	30.0	31.5
784	1045	1577	*8.50	9.50	1.11	12.8			17.3		21.3			24.8		27.8		29.8	32.3	
784	1045	1577	9.00	10.00	1.11	12.0	13.0	14.0	16.5	17.5	20.5	22.0	22.5	24.0	25.5	27.0	28.0	29.0	31.5	33.0
777	1036	1563	*8.00	9.00	1.12	13.6			18.1		22.1			25.6		28.6		30.6	33.1	
777	1036	1563	16.00	18.00	1.12														19.7	21.2
770	1027	1549	*7.50	*8.50	1.13	14.4			18.9		22.9			26.4		29.4		31.4	33.9	
763	1018	1535	*7.00	*8.00	1.14	15.2			19.7		23.7			27.2		30.2		32.2	34.7	
763	1018	1535	10.50	12.00	1.14				13.8	14.8	17.8	19.3	19.8	21.3	22.8	24.3	25.3	26.3	28.8	30.3
763	1018	1535	14.00	16.00	1.14										16.9	18.4	19.4	20.4	22.9	24.4
757	1009	1522	9.50	11.00	1.15			12.8	15.3	16.3	19.3	20.8	21.3	22.8	24.3	25.8	26.8	27.8	30.3	31.8
750	1000	1509	9.00	10.50	1.16		12.6	13.6	16.1	17.1	20.1	21.6	22.1	23.6	25.1	26.6	27.6	28.6	31.1	32.6
750	1000	1509	12.00	14.00	1.16						15.0	16.5	17.0	18.5	20.0	21.5	22.5	23.5	26.0	27.5
744	991	1496	*8.50	10.00	1.17	12.4			16.9		20.9			24.4		27.4		29.4	31.9	
737	983	1483	*8.00	9.50	1.18	13.2			17.7		21.7			25.2		28.2		30.2	32.7	
737	983	1483	11.00	13.00	1.18						16.6	18.1	18.6	20.1	21.6	23.1	24.1	25.1	27.6	29.1
731	975	1471	*7.50	9.00	1.19	14.0			18.5		22.5			26.0		29.0		31.0	33.5	
731	975	1471	10.00	12.00	1.19				14.1	15.1	18.1	19.6	20.1	21.6	23.1	24.7	25.7	26.7	29.2	30.7
725	967	1458	*7.00	*8.50	1.20	14.8			19.3		23.3			26.8		29.8		31.8	34.3	
719	959	1446	9.00	11.00	1.21		12.2	13.2	15.7	16.7	19.7	21.2	21.7	23.2	24.7	26.2	27.2	28.2	30.7	32.2
713	951	1434	*8.50	10.50	1.22	12.0			16.5		20.5			24.0		27.0		29.0	31.5	
713	951	1434	13.00	16.00	1.22										17.6	19.1	20.1	21.1	23.6	25.1
707	943	1423	10.50	13.00	1.23					13.9	16.9	18.5	19.0	20.5	22.0	23.5	24.5	25.5	28.0	29.5
702	935	1411	*8.00	10.00	1.24	12.8			17.3		21.3			24.8		27.8		29.8	32.3	
702	935	1411	16.00	20.00	1.24															
696	928	1400	*7.50	9.50	1.25	13.6			18.1		22.1			25.6		28.6		30.6	33.1	
696	928	1400	9.50	12.00	1.25				14.5	15.5	18.5	20.0	20.5	22.0	23.5	25.0	26.0	27.0	29.5	31.0
690	921	1389	11.00	14.00	1.26						15.7	17.2	17.8	19.3	20.8	22.3	23.3	24.3	26.8	28.3
685	913	1378	*7.00	9.00	1.27	14.3			18.9		22.9			26.4		29.4		31.4	33.9	
680	906	1367	*8.50	11.00	1.28				16.1		20.1			23.6		26.6		28.6	31.1	
680	906	1367	14.00	18.00	1.28													18.7	21.2	22.7
674	899	1357	10.00	13.00	1.29					14.3	17.3	18.8	19.3	20.8	22.3	23.8	24.8	25.8	28.3	29.8

Key to correction factors: 0.8 0.9

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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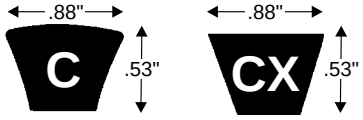
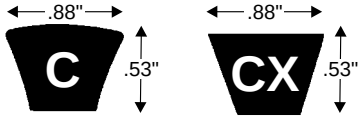


V-Belt No. and Center Distance														Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
C96 CX96	C97	C99	C100 CX100	C101 CX101	C105 CX105	C106 CX106	C108	C109 CX109	C111	C112 CX112	C115 CX115	C120 CX120		Small Sheave	Large Sheave	870 RPM	1160 RPM	1750 RPM	870 RPM	1160 RPM	1750 RPM
38.5			40.5	41.0	43.0	43.5		45.0		46.5	48.0	50.5		*7.00	*7.00				11.2	13.9	18.4
37.7			39.7	40.2	42.2	42.7		44.2		45.7	47.2	49.7		*7.50	*7.50				12.1	15.0	19.8
36.9			38.9	39.4	41.4	41.9		43.4		44.9	46.4	48.9		*8.00	*8.00				13.0	16.1	21.1
36.1			38.1	38.6	40.6	41.1		42.6		44.1	45.6	48.1		*8.50	*8.50				13.9	17.2	22.4
35.3	35.8	36.8	37.3	37.8	39.8	40.3	41.3	41.8	42.8	43.3	44.8	47.3		9.00	9.00	12.6	15.5	19.3	14.7	18.2	23.7
34.5	35.0	36.0	36.5	37.0	39.0	39.5	40.5	41.0	42.0	42.5	44.0	46.5		9.50	9.50	13.7	16.8	20.9	15.6	19.2	24.9
33.7	34.2	35.2	35.7	36.2	38.2	38.7	39.7	40.2	41.2	41.7	43.2	45.7		10.00	10.00	14.9	18.2	22.5	16.4	20.3	26.0
33.0	33.5	34.5	35.0	35.5	37.5	38.0	39.0	39.5	40.5	41.0	42.5	45.0		10.50	10.50	15.9	19.5	24.0	17.3	21.2	27.1
32.2	32.7	33.7	34.2	34.7	36.7	37.2	38.2	38.7	39.7	40.2	41.7	44.2		11.00	11.00	17.0	20.8	25.3	18.1	22.2	28.1
30.6	31.1	32.1	32.6	33.1	35.1	35.6	36.6	37.1	38.1	38.6	40.1	42.6		12.00	12.00	19.1	23.3	27.9	19.7	24.0	30.0
29.0	29.5	30.5	31.0	31.5	33.5	34.0	35.0	35.5	36.5	37.0	38.5	41.0		13.00	13.00	21.2	25.6	†30.0	21.2	25.8	†31.5
27.5	28.0	29.0	29.5	30.0	32.0	32.5	33.5	34.0	35.0	35.5	37.0	39.5		14.00	14.00	23.2	27.9	†	22.7	27.4	†
24.3	24.8	25.8	26.3	26.8	28.8	29.3	30.3	30.8	31.8	32.3	33.8	36.3		16.00	16.00	27.0	32.0	†	25.5	30.4	†
34.9	35.4	36.4	36.9	37.4	39.4	39.9	40.9	41.4	42.4	42.9	44.4	46.9		9.00	9.50	12.8	15.8	19.8	14.9	18.4	23.9
34.1	34.6	35.6	36.1	36.6	38.6	39.1	40.1	40.6	41.6	42.1	43.6	46.1		9.50	10.00	14.0	17.1	21.4	15.7	19.4	25.1
33.3	33.8	34.8	35.3	35.8	37.8	38.3	39.3	39.8	40.8	41.3	42.8	45.3		10.00	10.50	15.1	18.5	22.9	16.5	20.4	26.2
32.6	33.1	34.1	34.6	35.1	37.1	37.6	38.6	39.1	40.1	40.6	42.1	44.6		10.50	11.00	16.2	19.8	24.4	17.4	21.4	27.3
37.3			39.3	39.8	41.8	42.3		43.8		45.3	46.8	49.3		*7.50	*8.00				12.2	15.1	20.0
36.5			38.5	39.0	41.0	41.5		43.0		44.5	46.0	48.5		*8.00	*8.50				13.1	16.2	21.3
35.7			37.7	38.2	40.2	40.7		42.2		43.7	45.2	47.7		*8.50	9.00				14.0	17.3	22.7
38.1			40.1	40.6	42.6	43.1		44.6		46.1	47.6	50.1		*7.00	*7.50				11.4	14.2	18.8
28.2	28.7	29.7	30.2	30.7	32.7	33.2	34.2	34.7	35.7	36.2	37.7	40.2		13.00	14.00	21.5	26.1	†30.7	21.4	26.1	†32.0
29.8	30.3	31.3	31.8	32.3	34.3	34.8	35.8	36.3	37.3	37.8	39.3	41.8		12.00	13.00	19.6	23.9	28.8	19.9	24.3	30.4
31.4	31.9	32.9	33.4	33.9	35.9	36.4	37.4	37.9	38.9	39.4	40.9	43.4		11.00	12.00	17.5	21.4	26.3	18.3	22.5	28.5
33.7	34.2	35.2	35.7	36.2	38.2	38.7	39.7	40.2	41.2	41.7	43.2	45.7		9.50	10.50	14.2	17.4	21.9	15.8	19.5	25.3
33.0	33.5	34.5	35.0	35.5	37.5	38.0	39.0	39.5	40.5	41.0	42.5	45.0		10.00	11.00	15.3	18.8	23.4	16.7	20.5	26.5
35.3			37.3	37.8	39.8	40.3		41.8		43.3	44.8	47.3		*8.50	9.50				14.1	17.5	22.9
34.5	35.0	36.0	36.5	37.0	39.0	39.5	40.5	41.0	42.0	42.5	44.0	46.5		9.00	10.00	13.1	16.1	20.2	15.0	18.5	24.1
36.1			38.1	38.6	40.6	41.1		42.6		44.1	45.6	48.1		*8.00	9.00				13.2	16.4	21.6
22.7	23.2	24.2	24.7	25.2	27.2	27.7	28.7	29.2	30.2	30.7	32.2	34.7		16.00	18.00	27.6	32.7	†	25.7	30.7	†
36.9			38.9	39.4	41.4	41.9		43.4		44.9	46.4	48.9		*7.50	*8.50				12.4	15.4	20.4
37.7			39.7	40.2	42.2	42.7		44.2		45.7	47.2	49.7		*7.00	*8.00				11.5	14.3	19.0
31.8	32.3	33.3	33.8	34.3	36.3	36.8	37.8	38.3	39.3	39.8	41.3	43.8		10.50	12.00	16.5	20.2	25.1	17.6	21.7	27.7
25.9	26.4	27.4	27.9	28.4	30.4	30.9	31.9	32.4	33.4	33.9	35.4	37.9		14.00	16.00	23.8	28.6	†	23.0	27.9	†
33.3	33.8	34.8	35.3	35.8	37.8	38.3	39.3	39.8	40.8	41.3	42.8	45.3		9.50	11.00	14.3	17.6	22.1	15.9	19.7	25.5
34.1	34.6	35.6	36.1	36.6	38.6	39.1	40.1	40.6	41.6	42.1	43.6	46.1		9.00	10.50	13.3	16.4	20.7	15.1	18.6	24.3
29.0	29.5	30.5	31.0	31.5	33.5	34.0	35.0	35.5	36.5	37.0	38.5	41.0		12.00	14.00	19.8	24.2	29.2	20.0	24.5	30.6
34.9			36.9	37.4	39.4	39.9		41.4		42.9	44.4	46.9		*8.50	10.00				14.2	17.6	23.1
35.7			37.7	38.2	40.2	40.7		42.2		43.7	45.2	47.7		*8.00	9.50				13.3	16.5	21.8
30.6	31.1	32.1	32.6	33.1	35.1	35.6	36.6	37.1	38.1	38.6	40.1	42.6		11.00	13.00	17.7	21.7	26.7	18.4	22.6	28.8
36.5			38.5	39.0	41.0	41.5		43.0		44.5	46.0	48.5		*7.50	9.00				12.4	15.4	20.4
32.2	32.7	33.7	34.2	34.7	36.7	37.2	38.2	38.7	39.7	40.2	41.7	44.2		10.00	12.00	15.5	19.1	23.9	16.8	20.7	26.7
37.3			39.3	39.8	41.8	42.3		43.8		45.3	46.8	49.3		*7.00	*8.50				11.5	14.3	19.0
33.7	34.2	35.2	35.7	36.2	38.2	38.7	39.7	40.2	41.2	41.7	43.2	45.7		9.00	11.00	13.3	16.4	20.7	15.2	18.8	24.5
34.5			36.5	37.0	39.0	39.5		41.0		42.5	44.0	46.5		*8.50	10.50				14.3	17.7	23.3
26.6	27.1	28.1	28.6	29.1	31.1	31.6	32.6	33.1	34.1	34.6	36.1	38.6		13.00	16.00	22.0	26.7	†31.6	21.6	26.3	†32.4
31.0	31.5	32.5	33.0	33.5	35.5	36.0	37.0	37.5	38.5	39.0	40.5	43.0		10.50	13.00	16.7	20.5	25.6	17.7	21.8	27.9
35.3			37.3	37.8	39.8	40.3		41.8		43.3	44.8	47.3		*8.00	10.00				13.4	16.7	22.0
21.1	21.6	22.6	23.1	23.6	25.6	26.1	27.1	27.6	28.6	29.1	30.6	33.1		16.00	20.00	27.8	33.0	†	25.9	31.0	†
36.1			38.1	38.6	40.6	41.1		42.6		44.1	45.6	48.1		*7.50	9.50				12.5	15.6	20.6
32.5	33.0	34.0	34.5	35.0	37.0	37.5	38.5	39.0	40.0	40.5	42.0	44.5		9.50	12.00	14.5	17.9	22.5	16.0	19.8	25.7
29.8	30.3	31.3	31.8	32.3	34.3	34.8	35.8	36.3	37.3	37.8	39.3	41.8		11.00	14.00	17.8	21.8	26.9	18.5	22.7	29.0
36.9			38.9	39.4	41.4	41.9		43.4		44.9	46.4	48.9		*7.00	9.00				11.6	14.4	19.2
34.1			36.1	36.6	38.6	39.1		40.6		42.1	43.6	46.1		*8.50	11.00				14.3	17.7	23.3
24.2	24.7	25.7	26.2	26.7	28.7	29.2	30.3	30.8	31.8	32.3	33.8	36.3		14.00	18.00	24.0	28.9	†	23.1	28.0	†
31.3	31.9	32.9	33.4	33.9	35.9	36.4	37.4	37.9	38.9	39.4	40.9	43.4		10.00	13.00	15.6	19.2	24.1	16.9	20.8	26.9

Key to correction factors: 0.9 1.0

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

† Rim speed higher than 6,500 feet per minute. See Page 218.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 16

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance														
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	C124	C128 CX128	C136 CX136	C144 CX144	C150 CX150	C156	C158 CX158	C162 CX162	C170	C173 CX173	C180 CX180	C190 CX190	C195 CX195	C210 CX210	C225 CX225
870	1160	1750	*7.00	*7.00	1.00		54.5	58.5	62.5	65.5		69.5	71.5		77.0	80.5	85.5	88.0	95.5	102.0
870	1160	1750	*7.50	*7.50	1.00		53.7	57.7	61.7	64.7		68.7	70.7		76.2	79.7	84.7	87.2	94.7	101.2
870	1160	1750	*8.00	*8.00	1.00		52.9	56.9	60.9	63.9		67.9	69.9		75.4	78.9	83.9	86.4	93.9	100.4
870	1160	1750	*8.50	*8.50	1.00		52.1	56.1	60.1	63.1		67.1	69.1		74.6	78.1	83.1	85.6	93.1	99.6
870	1160	1750	9.00	9.00	1.00	49.3	51.3	55.3	59.3	62.3	65.3	66.3	68.3	72.3	73.8	77.3	82.3	84.8	92.3	98.8
870	1160	1750	9.50	9.50	1.00	48.5	50.5	54.5	58.5	61.5	64.5	65.5	67.5	71.5	73.0	76.5	81.5	84.0	91.5	98.0
870	1160	1750	10.00	10.00	1.00	47.7	49.7	53.7	57.7	60.7	63.7	64.7	66.7	70.7	72.2	75.7	80.7	83.2	90.7	97.2
870	1160	1750	10.50	10.50	1.00	47.0	49.0	53.0	57.0	60.0	63.0	64.0	66.0	70.0	71.5	75.0	80.0	82.5	90.0	96.5
870	1160	1750	11.00	11.00	1.00	46.2	48.2	52.2	56.2	59.2	62.2	63.2	65.2	69.2	70.7	74.2	79.2	81.7	89.2	95.7
870	1160	1750	12.00	12.00	1.00	44.6	46.6	50.6	54.6	57.6	60.6	61.6	63.6	67.6	69.1	72.6	77.6	80.1	87.6	94.1
870	1160	1750	13.00	13.00	1.00	43.0	45.0	49.0	53.0	56.0	59.0	60.0	62.0	66.0	67.5	71.0	76.0	78.5	86.0	92.5
870	1160	1750	14.00	14.00	1.00	41.5	43.5	47.5	51.5	54.5	57.5	58.5	60.5	64.5	66.0	69.5	74.5	77.0	84.5	91.0
870	1160	1750	16.00	16.00	1.00	38.3	40.3	44.3	48.3	51.3	54.3	55.3	57.3	61.3	62.8	66.3	71.3	73.8	81.3	87.8
829	1105	1667	9.00	9.50	1.05	48.9	50.9	54.9	58.9	61.9	64.9	65.9	67.9	71.9	73.4	76.9	81.9	84.4	91.9	98.4
829	1105	1667	9.50	10.00	1.05	48.1	50.1	54.1	58.1	61.1	64.1	65.1	67.1	71.1	72.6	76.1	81.1	83.6	91.1	97.6
829	1105	1667	10.00	10.50	1.05	47.3	49.3	53.3	57.3	60.3	63.3	64.3	66.3	70.3	71.8	75.3	80.3	82.8	90.3	96.8
829	1105	1667	10.50	11.00	1.05	46.6	48.6	52.6	56.6	59.6	62.6	63.6	65.6	69.6	71.1	74.6	79.6	82.1	89.6	96.1
821	1094	1651	*7.50	*8.00	1.06		53.3	57.3	61.3	64.3		68.3	70.3		75.8	79.3	84.3	86.8	94.3	100.8
821	1094	1651	*8.00	*8.50	1.06		52.5	56.5	60.5	63.5		67.5	69.5		75.0	78.5	83.5	86.0	93.5	100.0
821	1094	1651	*8.50	9.00	1.06		51.7	55.7	59.7	62.7		66.7	68.7		74.2	77.7	82.7	85.2	92.7	99.2
813	1084	1636	*7.00	*7.50	1.07		54.1	58.1	62.1	65.1		69.1	71.1		76.6	80.1	85.1	87.6	95.1	101.6
813	1084	1636	13.00	14.00	1.07	42.2	44.2	48.2	52.2	55.2	58.2	59.2	61.2	65.2	66.7	70.2	75.2	77.7	85.2	91.7
806	1074	1620	12.00	13.00	1.08	43.8	45.8	49.8	53.8	56.8	59.8	60.8	62.8	66.8	68.3	71.8	76.8	79.3	86.8	93.3
798	1064	1606	11.00	12.00	1.09	45.4	47.4	51.4	55.4	58.4	61.4	62.4	64.4	68.4	69.9	73.4	78.4	80.9	88.4	94.9
791	1055	1591	9.50	10.50	1.10	47.7	49.7	53.7	57.7	60.7	63.7	64.7	66.7	70.7	72.2	75.7	80.7	83.2	90.7	97.2
791	1055	1591	10.00	11.00	1.10	47.0	49.0	53.0	57.0	60.0	63.0	64.0	66.0	70.0	71.5	75.0	80.0	82.5	90.0	96.5
784	1045	1577	*8.50	9.50	1.11		51.3	55.3	59.3	62.3		66.3	68.3		73.8	77.3	82.3	84.8	92.3	98.8
784	1045	1577	9.00	10.00	1.11	48.5	50.5	54.5	58.5	61.5	64.5	65.5	67.5	71.5	73.0	76.5	81.5	84.0	91.5	98.0
777	1036	1563	*8.00	9.00	1.12		52.1	56.1	60.1	63.1		67.1	69.1		74.6	78.1	83.1	85.6	93.1	99.6
777	1036	1563	16.00	18.00	1.12	36.7	38.7	42.7	46.7	49.7	52.7	53.7	55.7	59.7	61.2	64.7	69.7	72.2	79.7	86.2
770	1027	1549	*7.50	*8.50	1.13		52.9	56.9	60.9	63.9		67.9	69.9		75.4	78.9	83.9	86.4	93.9	100.4
763	1018	1535	*7.00	*8.00	1.14		53.7	57.7	61.7	64.7		68.7	70.7		76.2	79.7	84.7	87.2	94.7	101.2
763	1018	1535	10.50	12.00	1.14	45.8	47.8	51.8	55.8	58.8	61.8	62.8	64.8	68.8	70.3	73.8	78.8	81.3	88.8	95.3
763	1018	1535	14.00	16.00	1.14	39.9	41.9	45.9	49.9	52.9	55.9	56.9	58.9	62.9	64.4	67.9	72.9	75.4	82.9	89.4
757	1009	1522	9.50	11.00	1.15	47.3	49.3	53.3	57.3	60.3	63.3	64.3	66.3	70.3	71.8	75.3	80.3	82.8	90.3	96.8
750	1000	1509	9.00	10.50	1.16	48.1	50.1	54.1	58.1	61.1	64.1	65.1	67.1	71.1	72.6	76.1	81.1	83.6	91.1	97.6
750	1000	1509	12.00	14.00	1.16	43.0	45.0	49.0	53.0	56.0	59.0	60.0	62.0	66.0	67.5	71.0	76.0	78.5	86.0	92.5
744	991	1496	*8.50	10.00	1.17		50.9	54.9	58.9	61.9		65.9	67.9		73.4	76.9	81.9	84.4	91.9	98.4
737	983	1483	*8.00	9.50	1.18		51.7	55.7	59.7	62.7		66.7	68.7		74.2	77.7	82.7	85.2	92.7	99.2
737	983	1483	11.00	13.00	1.18	44.6	46.6	50.6	54.6	57.6	60.6	61.6	63.6	67.6	69.1	72.6	77.6	80.1	87.6	94.1
731	975	1471	*7.50	9.00	1.19		52.5	56.5	60.5	63.5		67.5	69.5		75.0	78.5	83.5	86.0	93.5	100.0
731	975	1471	10.00	12.00	1.19	46.2	48.2	52.2	56.2	59.2	62.2	63.2	65.2	69.2	70.7	74.2	79.2	81.7	89.2	95.7
725	967	1458	*7.00	*8.50	1.20		53.3	57.3	61.3	64.3		68.3	70.3		75.8	79.3	84.3	86.8	94.3	100.8
719	959	1446	9.00	11.00	1.21	47.7	49.7	53.7	57.7	60.7	63.7	64.7	66.7	70.7	72.2	75.7	80.7	83.2	90.7	97.2
713	951	1434	*8.50	10.50	1.22		50.5	54.5	58.5	61.5		65.5	67.5		73.0	76.5	81.5	84.0	91.5	98.0
713	951	1434	13.00	16.00	1.22	40.6	42.6	46.6	50.7	53.7	56.7	57.7	59.7	63.7	65.2	68.7	73.7	76.2	83.7	90.2
707	943	1423	10.50	13.00	1.23	45.0	47.0	51.0	55.0	58.0	61.0	62.0	64.0	68.0	69.5	73.0	78.0	80.5	88.0	94.5
702	935	1411	*8.00	10.00	1.24		51.3	55.3	59.3	62.3		66.3	68.3		73.8	77.3	82.3	84.8	92.3	98.8
702	935	1411	16.00	20.00	1.24	35.1	37.1	41.1	45.1	48.1	51.1	52.1	54.1	58.1	59.6	63.1	68.1	70.6	78.2	84.7
696	928	1400	*7.50	9.50	1.25		52.1	56.1	60.1	63.1		67.1	69.1		74.6	78.1	83.1	85.6	93.1	99.6
696	928	1400	9.50	12.00	1.25	46.5	48.5	52.5	56.6	59.6	62.6	63.6	65.6	69.6	71.1	74.6	79.6	82.1	89.6	96.1
690	921	1389	11.00	14.00	1.26	43.8	45.8	49.8	53.8	56.8	59.8	60.8	62.8	66.8	68.3	71.8	76.8	79.3	86.8	93.3
685	913	1378	*7.00	9.00	1.27		52.9	56.9	60.9	63.9		67.9	69.9		75.4	78.9	83.9	86.4	93.9	100.4
680	906	1367	*8.50	11.00	1.28		50.1	54.1	58.1	61.1		65.1	67.1		72.6	76.1	81.1	83.6	91.1	97.6
680	906	1367	14.00	18.00	1.28	38.3	40.3	44.3	48.3	51.3	54.3	55.3	57.3	61.3	62.8	66.3	71.3	73.8	81.3	87.8
674	899	1357	10.00	13.00	1.29	45.4	47.4	51.4	55.4	58.4	61.4	62.4	64.4	68.4	69.9	73.4	78.4	80.9	88.4	94.9

Key to correction factors: 1.0 | 1.1

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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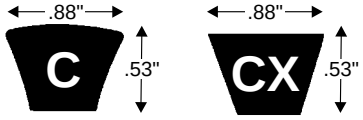
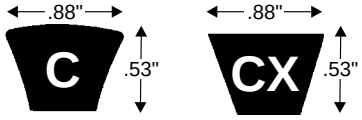


V-Belt No. and Center Distance												Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
														Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
C240 CX240	C255 CX255	C270 CX270	C285	C300 CX300	C315	C330 CX330	C345	C360 CX360	C390	C420		Small Sheave	Large Sheave	870 RPM	1160 RPM	1750 RPM	870 RPM	1160 RPM	1750 RPM
109.5	117.0	124.5		139.5		154.5		169.5				*7.00	*7.00				11.2	13.9	18.4
108.7	116.2	123.7		138.7		153.7		168.7				*7.50	*7.50				12.1	15.0	19.8
107.9	115.4	122.9		137.9		152.9		167.9				*8.00	*8.00				13.0	16.1	21.1
107.1	114.6	122.1		137.1		152.1		167.1				*8.50	*8.50				13.9	17.2	22.4
106.3	113.8	121.3	128.8	136.3	143.8	151.3	158.8	166.3	181.3	196.3		9.00	9.00	12.6	15.5	19.3	14.7	18.2	23.7
105.5	113.0	120.5	128.0	135.5	143.0	150.5	158.0	165.5	180.5	195.5		9.50	9.50	13.7	16.8	20.9	15.6	19.2	24.9
104.7	112.2	119.7	127.2	134.7	142.2	149.7	157.2	164.7	179.7	194.7		10.00	10.00	14.9	18.2	22.5	16.4	20.3	26.0
104.0	111.5	119.0	126.5	134.0	141.5	149.0	156.5	164.0	179.0	194.0		10.50	10.50	15.9	19.5	24.0	17.3	21.2	27.1
103.2	110.7	118.2	125.7	133.2	140.7	148.2	155.7	163.2	178.2	193.2		11.00	11.00	17.0	20.8	25.3	18.1	22.2	28.1
101.6	109.1	116.6	124.1	131.6	139.1	146.6	154.1	161.6	176.6	191.6		12.00	12.00	19.1	23.3	27.9	19.7	24.0	30.0
100.0	107.5	115.0	122.5	130.0	137.5	145.0	152.5	160.0	175.0	190.0		13.00	13.00	21.2	25.6	†30.0	21.2	25.8	†31.5
98.5	106.0	113.5	121.0	128.5	136.0	143.5	151.0	158.5	173.5	188.5		14.00	14.00	23.2	27.9	†	22.7	27.4	†
95.3	102.8	110.3	117.8	125.3	132.8	140.3	147.8	155.3	170.3	185.3		16.00	16.00	27.0	32.0	†	25.5	30.4	†
105.9	113.4	120.9	128.4	135.9	143.4	150.9	158.4	165.9	180.9	195.9		9.00	9.50	12.8	15.8	19.8	14.9	18.4	23.9
105.1	112.6	120.1	127.6	135.1	142.6	150.1	157.6	165.1	180.1	195.1		9.50	10.00	14.0	17.1	21.4	15.7	19.4	25.1
104.3	111.8	119.3	126.8	134.3	141.8	149.3	156.8	164.3	179.3	194.3		10.00	10.50	15.1	18.5	22.9	16.5	20.4	26.2
103.6	111.1	118.6	126.1	133.6	141.1	148.6	156.1	163.6	178.6	193.6		10.50	11.00	16.2	19.8	24.4	17.4	21.4	27.3
108.3	115.8	123.3		138.3		153.3		168.3				*7.50	*8.00				12.2	15.1	20.0
107.5	115.0	122.5		137.5		152.5		167.5				*8.00	*8.50				13.1	16.2	21.3
106.7	114.2	121.7		136.7		151.7		166.7				*8.50	9.00				14.0	17.3	22.7
109.1	116.6	124.1		139.1		154.1		169.1				*7.00	*7.50				11.4	14.2	18.8
99.2	106.7	114.2	121.7	129.2	136.7	144.2	151.7	159.2	174.2	189.2		13.00	14.00	21.5	26.1	†30.7	21.4	26.1	†32.0
100.8	108.3	115.8	123.3	130.8	138.3	145.8	153.3	160.8	175.8	190.8		12.00	13.00	19.6	23.9	28.8	19.9	24.3	30.4
102.4	109.9	117.4	124.9	132.4	139.9	147.4	154.9	162.4	177.4	192.4		11.00	12.00	17.5	21.4	26.3	18.3	22.5	28.5
104.7	112.2	119.7	127.2	134.7	142.2	149.7	157.2	164.7	179.7	194.7		9.50	10.50	14.2	17.4	21.9	15.8	19.5	25.3
104.0	111.5	119.0	126.5	134.0	141.5	149.0	156.5	164.0	179.0	194.0		10.00	11.00	15.3	18.8	23.4	16.7	20.5	26.5
106.3	113.8	121.3		136.3		151.3		166.3				*8.50	9.50				14.1	17.5	22.9
105.5	113.0	120.5	128.0	135.5	143.0	150.5	158.0	165.5	180.5	195.5		9.00	10.00	13.1	16.1	20.2	15.0	18.5	24.1
107.1	114.6	122.1		137.1		152.1		167.1				*8.00	9.00				13.2	16.4	21.6
93.7	101.2	108.7	116.2	123.7	131.2	138.7	146.2	153.7	168.7	183.7		16.00	18.00	27.6	32.7	†	25.7	30.7	†
107.9	115.4	122.9		137.9		152.9		167.9				*7.50	*8.50				12.4	15.4	20.4
108.7	116.2	123.7		138.7		153.7		168.7				*7.00	*8.00				11.5	14.3	19.0
102.8	110.3	117.8	125.3	132.8	140.3	147.8	155.3	162.8	177.8	192.8		10.50	12.00	16.5	20.2	25.1	17.6	21.7	27.7
96.9	104.4	111.9	119.4	126.9	134.4	141.9	149.4	156.9	171.9	186.9		14.00	16.00	23.8	28.6	†	23.0	27.9	†
104.3	111.8	119.3	126.8	134.3	141.8	149.3	156.8	164.3	179.3	194.3		9.50	11.00	14.3	17.6	22.1	15.9	19.7	25.5
105.1	112.6	120.1	127.6	135.1	142.6	150.1	157.6	165.1	180.1	195.1		9.00	10.50	13.3	16.4	20.7	15.1	18.6	24.3
100.0	107.5	115.0	122.5	130.0	137.5	145.0	152.5	160.0	175.0	190.0		12.00	14.00	19.8	24.2	29.2	20.0	24.5	30.6
105.9	113.4	120.9		135.9		150.9		165.9				*8.50	10.00				14.2	17.6	23.1
106.7	114.2	121.7		136.7		151.7		166.7				*8.00	9.50				13.3	16.5	21.8
101.6	109.1	116.6	124.1	131.6	139.1	146.6	154.1	161.6	176.6	191.6		11.00	13.00	17.7	21.7	26.7	18.4	22.6	28.8
107.5	115.0	122.5		137.5		152.5		167.5				*7.50	9.00				12.4	15.4	20.4
103.2	110.7	118.2	125.7	133.2	140.7	148.2	155.7	163.2	178.2	193.2		10.00	12.00	15.5	19.1	23.9	16.8	20.7	26.7
108.3	115.8	123.3		138.3		153.3		168.3				*7.00	*8.50				11.5	14.3	19.0
104.7	112.2	119.7	127.2	134.7	142.2	149.7	157.2	164.7	179.7	194.7		9.00	11.00	13.3	16.4	20.7	15.2	18.8	24.5
105.5	113.0	120.5		135.5		150.5		165.5				*8.50	10.50				14.3	17.7	23.3
97.7	105.2	112.7	120.2	127.7	135.2	142.7	150.2	157.7	172.7	187.7		13.00	16.00	22.0	26.7	†31.6	21.6	26.3	†32.4
102.0	109.5	117.0	124.5	132.0	139.5	147.0	154.5	162.0	177.0	192.0		10.50	13.00	16.7	20.5	25.6	17.7	21.8	27.9
106.3	113.8	121.3		136.3		151.3		166.3				*8.00	10.00				13.4	16.7	22.0
92.2	99.7	107.2	114.7	122.2	129.7	137.2	144.7	152.2	167.2	182.2		16.00	20.00	27.8	33.0	†	25.9	31.0	†
107.1	114.6	122.1		137.1		152.1		167.1				*7.50	9.50				12.5	15.6	20.6
103.6	111.1	118.6	126.1	133.6	141.1	148.6	156.1	163.6	178.6	193.6		9.50	12.00	14.5	17.9	22.5	16.0	19.8	25.7
100.8	108.3	115.8	123.3	130.8	138.3	145.8	153.3	160.8	175.8	190.8		11.00	14.00	17.8	21.8	26.9	18.5	22.7	29.0
107.9	115.4	122.9		137.9		152.9		167.9				*7.00	9.00				11.6	14.4	19.2
105.1	112.6	120.1		135.1		150.1		165.1				*8.50	11.00				14.3	17.7	23.3
95.3	102.8	110.3	117.8	125.3	132.8	140.3	147.8	155.3	170.3	185.3		14.00	18.00	24.0	28.9	†	23.1	28.0	†
102.4	109.9	117.4	124.9	132.4	139.9	147.4	154.9	162.4	177.4	192.4		10.00	13.00	15.6	19.2	24.1	16.9	20.8	26.9

Key to correction factors: 1.1 1.2

† Rim speed higher than 6,500 feet per minute. See Page 218.

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 16

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance														
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	C51 CX51	C53	C55	C60 CX60	C62	C68 CX68	C71	C72	C75 CX75	C78	C81 CX81	C83	C85 CX85	C90 CX90	C93
669	892	1346	*8.00	10.50	1.30	12.4			16.9		20.9			24.4		27.4		29.4	31.9	
659	879	1326	*7.50	10.00	1.32	13.1			17.7		21.7			25.2		28.2		30.2	32.7	
659	879	1326	9.00	12.00	1.32			12.4	14.9	15.9	18.9	20.4	20.9	22.4	23.9	25.4	26.4	27.4	29.9	31.4
659	879	1326	10.50	14.00	1.32						16.1	17.6	18.1	19.6	21.1	22.6	23.6	24.6	27.2	28.7
659	879	1326	12.00	16.00	1.32									16.8	18.3	19.9	20.9	21.9	24.4	25.9
649	866	1306	*7.00	9.50	1.34	13.9			18.4		22.5			26.0		29.0		31.0	33.5	
644	859	1296	9.50	13.00	1.35				13.7	14.7	17.7	19.2	19.7	21.2	22.7	24.2	25.2	26.2	28.7	30.2
640	853	1287	*8.00	11.00	1.36	11.9			16.5		20.5			24.0		27.0		29.0	31.5	
635	847	1277	13.00	18.00	1.37											17.4	18.4	19.4	22.0	23.5
630	841	1268	*7.50	10.50	1.38	12.7			17.2		21.3			24.8		27.8		29.8	32.3	
630	841	1268	10.00	14.00	1.38						16.5	18.0	18.5	20.0	21.5	23.0	24.0	25.0	27.5	29.0
626	835	1259	*8.50	12.00	1.39				15.2		19.3			22.8		25.8		27.8	30.3	
617	823	1241	*7.00	10.00	1.41	13.5			18.0		22.0			25.6		28.6		30.6	33.1	
613	817	1232	14.00	20.00	1.42														19.5	21.0
608	811	1224	9.00	13.00	1.43				14.0	15.0	18.1	19.6	20.1	21.6	23.1	24.6	25.6	26.6	29.1	30.6
604	806	1215	*7.50	11.00	1.44	12.3			16.8		20.8			24.4		27.4		29.4	31.9	
604	806	1215	11.00	16.00	1.44							15.5	16.0	17.6	19.1	20.6	21.6	22.6	25.1	26.6
600	800	1207	9.50	14.00	1.45					13.8	16.8	18.4	18.9	20.4	21.9	23.4	24.4	25.4	27.9	29.4
592	789	1190	*7.00	10.50	1.47	13.1			17.6		21.6			25.1		28.2		30.2	32.7	
588	784	1182	*8.00	12.00	1.48				15.6		19.6			23.2		26.2		28.2	30.7	
588	784	1182	12.00	18.00	1.48											18.1	19.2	20.2	22.7	24.2
584	779	1174	16.00	24.00	1.49															
580	773	1167	10.50	16.00	1.50							15.9	16.4	17.9	19.4	21.0	22.0	23.0	25.5	27.0
576	768	1159	*8.50	13.00	1.51				14.4		18.4			21.9		25.0		27.0	29.5	
572	763	1151	13.00	20.00	1.52														20.2	21.7
569	758	1144	9.00	14.00	1.53					14.2	17.2	18.7	19.2	20.7	22.2	23.8	24.8	25.8	28.3	29.8
565	753	1136	*7.00	11.00	1.54	12.7			17.2		21.2			24.7		27.7		29.7	32.3	
554	739	1115	*7.50	12.00	1.57				16.0		20.0			23.5		26.5		28.5	31.1	
551	734	1108	10.00	16.00	1.58							16.3	16.8	18.3	19.8	21.3	22.3	23.3	25.9	27.4
544	725	1094	*8.00	13.00	1.60				14.7		18.8			22.3		25.3		27.3	29.9	
540	720	1087	11.00	18.00	1.61										17.3	18.8	19.9	20.9	23.4	24.9
537	716	1080	*8.50	14.00	1.62				13.5		17.6			21.1		24.1		26.1	28.6	
527	703	1061	12.00	20.00	1.65													18.4	20.9	22.5
524	699	1054	9.50	16.00	1.66						15.1	16.6	17.1	18.6	20.2	21.7	22.7	23.7	26.2	27.7
518	690	1042	*7.00	12.00	1.68	11.8			16.3		20.4			23.9		26.9		28.9	31.4	
515	686	1036	10.50	18.00	1.69										17.7	19.2	20.2	21.2	23.8	25.3
515	686	1036	14.00	24.00	1.69															
512	682	1029	*7.50	13.00	1.70				15.1		19.2			22.7		25.7		27.7	30.2	
509	678	1023	*8.00	14.00	1.71				13.8		17.9			21.5		24.5		26.5	29.0	
500	667	1006	9.00	16.00	1.74						15.4	17.0	17.5	19.0	20.5	22.0	23.0	24.1	26.6	28.1
492	655	989	10.00	18.00	1.77									16.5	18.0	19.5	20.6	21.6	24.1	25.6
486	648	978	11.00	20.00	1.79												18.0	19.1	21.6	23.2
481	641	967	*7.00	13.00	1.81				15.4		19.5			23.0		26.1		28.1	30.6	
478	637	962	*7.50	14.00	1.82				14.2		18.3			21.8		24.9		26.9	29.4	
478	637	962	13.00	24.00	1.82															
473	630	951	*8.50	16.00	1.84						15.8			19.3		22.4		24.4	26.9	
470	627	946	16.00	30.00	1.85															
468	624	941	9.50	18.00	1.86									16.8	18.4	19.9	20.9	21.9	24.5	26.0
465	620	936	10.50	20.00	1.87											17.3	18.4	19.4	22.0	23.5
446	595	897	*7.00	14.00	1.95				14.5		18.6			22.2		25.2		27.2	29.8	
446	595	897	*8.00	16.00	1.95						16.1			19.7		22.7		24.8	27.3	
444	592	893	9.00	18.00	1.96								15.6	17.2	18.7	20.2	21.3	22.3	24.8	26.4
444	592	893	10.00	20.00	1.96											17.7	18.7	19.8	22.3	23.9
442	589	888	12.00	24.00	1.97															
422	563	850	9.50	20.00	2.06											18.0	19.1	20.1	22.7	24.2
420	560	845	*8.50	18.00	2.07									17.5		20.6		22.6	25.2	

Key to correction factors: 0.7 0.8 0.9

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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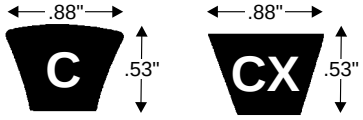
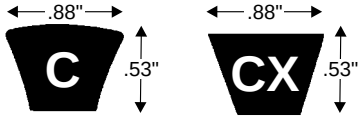


V-Belt No. and Center Distance													Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
															Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
C96 CX96	C97	C99	C100 CX100	C101 CX101	C105 CX105	C106 CX106	C108	C109 CX109	C111	C112 CX112	C115 CX115	C120 CX120	Small Sheave	Large Sheave	870 RPM	1160 RPM	1750 RPM	870 RPM	1160 RPM	1750 RPM
34.9			36.9	37.4	39.4	39.9		41.4		42.9	44.4	46.9	*8.00	10.50				13.5	16.8	22.2
35.7			37.7	38.2	40.2	40.7		42.2		43.7	45.2	47.7	*7.50	10.00				12.6	15.7	20.8
32.9	33.4	34.4	34.9	35.4	37.4	37.9	38.9	39.4	40.4	40.9	42.4	44.9	9.00	12.00	13.5	16.7	21.1	15.3	18.9	24.8
30.2	30.7	31.7	32.2	32.7	34.7	35.2	36.2	36.7	37.7	38.2	39.7	42.2	10.50	14.00	16.9	20.7	25.8	17.8	21.9	28.2
27.4	27.9	28.9	29.4	29.9	31.9	32.4	33.4	33.9	34.9	35.4	36.9	39.4	12.00	16.00	20.1	24.5	29.7	20.2	24.7	31.0
36.5			38.5	39.0	41.0	41.5		43.0		44.5	46.0	48.5	*7.00	9.50				11.7	14.6	19.4
31.7	32.2	33.2	33.7	34.2	36.2	36.7	37.7	38.2	39.2	39.7	41.2	43.7	9.50	13.00	14.6	18.0	22.8	16.1	19.9	25.9
34.5			36.5	37.0	39.0	39.5		41.0		42.5	44.0	46.5	*8.00	11.00				13.5	16.8	22.2
25.0	25.5	26.5	27.0	27.5	29.5	30.0	31.0	31.5	32.5	33.0	34.5	37.0	13.00	18.00	22.1	26.8	†31.8	21.7	26.5	†32.6
35.3			37.3	37.8	39.8	40.3		41.8		43.3	44.8	47.3	*7.50	10.50				12.6	15.7	20.8
30.5	31.0	32.0	32.5	33.0	35.0	35.5	36.5	37.0	38.0	38.5	40.1	42.6	10.00	14.00	15.8	19.4	24.3	17.0	21.0	27.1
33.3			35.3	35.8	37.8	38.3		39.8		41.3	42.8	45.3	*8.50	12.00				14.4	17.9	23.5
36.1			38.1	38.6	40.6	41.1		42.6		44.1	45.6	48.1	*7.00	10.00				11.7	14.6	19.4
22.5	23.1	24.1	24.6	25.1	27.1	27.6	28.6	29.1	30.1	30.6	32.1	34.6	14.00	20.00	24.1	29.1	†	23.2	28.1	†
32.1	32.6	33.6	34.1	34.6	36.6	37.1	38.1	38.6	39.6	40.1	41.6	44.1	9.00	13.00	13.5	16.7	21.1	15.3	18.9	24.8
34.9			36.9	37.4	39.4	39.9		41.4		42.9	44.4	46.9	*7.50	11.00				12.7	15.8	21.0
28.1	28.6	29.6	30.1	30.6	32.6	33.1	34.2	34.7	35.7	36.2	37.7	40.2	11.00	16.00	17.9	22.0	27.2	18.7	23.0	29.4
30.9	31.4	32.4	32.9	33.4	35.4	35.9	36.9	37.4	38.4	38.9	40.4	42.9	9.50	14.00	14.6	18.0	22.8	16.2	20.1	26.2
35.7			37.7	38.2	40.2	40.7		42.2		43.7	45.2	47.7	*7.00	10.50				11.8	14.7	19.6
33.7			35.7	36.2	38.2	38.7		40.2		41.7	43.2	45.7	*8.00	12.00				13.6	16.9	22.4
25.7	26.2	27.2	27.7	28.2	30.2	30.7	31.7	32.2	33.3	33.8	35.3	37.8	12.00	18.00	20.1	24.5	29.7	20.3	24.9	31.2
					22.2	22.7	23.7	24.2	25.2	25.7	27.2	29.8	16.00	24.00	27.9	33.2	†	26.1	31.3	†
28.5	29.0	30.0	30.5	31.0	33.0	33.5	34.5	35.0	36.0	36.5	38.0	40.5	10.50	16.00	17.0	20.8	26.0	17.9	22.1	28.4
32.5			34.5	35.0	37.0	37.5		39.0		40.5	42.0	44.5	*8.50	13.00				14.5	18.0	23.7
23.3	23.8	24.8	25.3	25.8	27.8	28.3	29.3	29.8	30.8	31.3	32.8	35.4	13.00	20.00	22.2	27.0	†32.1	21.8	26.6	†32.8
31.3	31.8	32.8	33.3	33.8	35.8	36.3	37.3	37.8	38.8	39.3	40.8	43.3	9.00	14.00	13.6	16.8	21.4	15.4	19.1	25.0
35.3			37.3	37.8	39.8	40.3		41.8		43.3	44.8	47.3	*7.00	11.00				11.8	14.7	19.6
34.1			36.1	36.6	38.6	39.1		40.6		42.1	43.6	46.1	*7.50	12.00				12.7	15.8	21.0
28.9	29.4	30.4	30.9	31.4	33.4	33.9	34.9	35.4	36.4	36.9	38.4	40.9	10.00	16.00	15.9	19.5	24.5	17.1	21.1	27.3
32.9			34.9	35.4	37.4	37.9		39.4		40.9	42.4	44.9	*8.00	13.00				13.6	16.9	22.4
26.4	26.9	28.0	28.5	29.0	31.0	31.5	32.5	33.0	34.0	34.5	36.0	38.5	11.00	18.00	18.0	22.1	27.4	18.7	23.0	29.4
31.7			33.7	34.2	36.2	36.7		38.2		39.7	41.2	43.7	*8.50	14.00				14.5	18.0	23.7
24.0	24.5	25.5	26.0	26.5	28.5	29.0	30.1	30.6	31.6	32.1	33.6	36.1	12.00	20.00	20.2	24.6	29.9	20.4	25.0	31.4
29.2	29.7	30.8	31.3	31.8	33.8	34.3	35.3	35.8	36.8	37.3	38.8	41.3	9.50	16.00	14.8	18.2	23.0	16.3	20.2	26.4
34.4			36.4	36.9	38.9	39.4		41.0		42.5	44.0	46.5	*7.00	12.00				11.9	14.9	19.8
26.8	27.3	28.3	28.8	29.3	31.3	31.8	32.9	33.4	34.4	34.9	36.4	38.9	10.50	18.00	17.0	20.8	26.0	18.0	22.2	28.6
			21.0	21.5	23.6	24.1	25.1	25.6	26.6	27.1	28.7	31.2	14.00	24.00	24.2	29.2	†	23.4	28.4	†
33.2			35.2	35.7	37.7	38.3		39.8		41.3	42.8	45.3	*7.50	13.00				12.8	16.0	21.2
32.0			34.0	34.5	36.5	37.0		38.6		40.1	41.6	44.1	*8.00	14.00				13.7	17.1	22.6
29.6	30.1	31.1	31.6	32.1	34.1	34.6	35.6	36.1	37.2	37.7	39.2	41.7	9.00	16.00	13.6	16.8	21.4	15.5	19.2	25.2
27.2	27.7	28.7	29.2	29.7	31.7	32.2	33.2	33.7	34.7	35.2	36.7	39.3	10.00	18.00	15.9	19.5	24.5	17.2	21.2	27.5
24.7	25.2	26.2	26.7	27.2	29.3	29.8	30.8	31.3	32.3	32.8	34.3	36.8	11.00	20.00	18.0	22.1	27.4	18.8	23.2	29.6
33.6			35.6	36.1	38.1	38.6		40.1		41.6	43.1	45.6	*7.00	13.00				11.9	14.9	19.8
32.4			34.4	34.9	36.9	37.4		38.9		40.4	41.9	44.4	*7.50	14.00				12.8	16.0	21.2
		21.2	21.7	22.2	24.3	24.8	25.8	26.3	27.3	27.8	29.4	31.9	13.00	24.00	22.2	27.0	†32.1	21.9	26.8	†33.0
30.0			32.0	32.5	34.5	35.0		36.5		38.0	39.5	42.0	*8.50	16.00				14.6	18.1	23.9
													16.00	30.00	28.0	33.3	†	26.3	31.4	†
27.5	28.0	29.0	29.5	30.1	32.1	32.6	33.6	34.1	35.1	35.6	37.1	39.6	9.50	18.00	14.8	18.2	23.0	16.3	20.2	26.4
25.0	25.6	26.6	27.1	27.6	29.6	30.1	31.1	31.6	32.6	33.2	34.7	37.2	10.50	20.00	17.0	20.8	26.0	18.0	22.2	28.6
32.8			34.8	35.3	37.3	37.8		39.3		40.8	42.3	44.8	*7.00	14.00				11.9	14.9	19.8
30.3			32.4	32.9	34.9	35.4		36.9		38.4	39.9	42.4	*8.00	16.00				13.7	17.1	22.6
27.9	28.4	29.4	29.9	30.4	32.4	32.9	33.9	34.4	35.5	36.0	37.5	40.0	9.00	18.00	13.6	16.8	21.4	15.5	19.2	25.2
25.4	25.9	26.9	27.4	27.9	30.0	30.5	31.5	32.0	33.0	33.5	35.0	37.6	10.00	20.00	15.9	19.5	24.5	17.2	21.2	27.5
20.3	20.8	21.8	22.4	22.9	25.0	25.5	26.5	27.0	28.0	28.5	30.1	32.6	12.00	24.00	20.2	24.6	29.9	20.4	25.0	31.4
25.7	26.3	27.3	27.8	28.3	30.3	30.8	31.8	32.4	33.4	33.9	35.4	37.9	9.50	20.00	14.8	18.2	23.0	16.4	20.4	26.6
28.2			30.3	30.8	32.8	33.3		34.8		36.3	37.8	40.4	*8.50	18.00				14.7	18.3	24.1

Key to correction factors: 0.8 0.9 1.0

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

† Rim speed higher than 6,500 feet per minute. See Page 218.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 16

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance													
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	C124	C128 CX128	C136 CX136	C144 CX144	C150 CX150	C156	C158 CX158	C162 CX162	C170	C173 CX173	C180 CX180	C190 CX190	C195 CX195	C210 CX210	C225 CX225
669	892	1346	*8.00	10.50	1.30		50.9	54.9	58.9	61.9		65.9	67.9		73.4	76.9	81.9	84.4	91.9	98.4
659	879	1326	*7.50	10.00	1.32		51.7	55.7	59.7	62.7		66.7	68.7		74.2	77.7	82.7	85.2	92.7	99.2
659	879	1326	9.00	12.00	1.32	46.9	48.9	52.9	56.9	59.9	62.9	63.9	65.9	69.9	71.4	74.9	79.9	82.4	89.9	96.4
659	879	1326	10.50	14.00	1.32	44.2	46.2	50.2	54.2	57.2	60.2	61.2	63.2	67.2	68.7	72.2	77.2	79.7	87.2	93.7
659	879	1326	12.00	16.00	1.32	41.4	43.4	47.4	51.4	54.4	57.4	58.4	60.4	64.4	65.9	69.4	74.4	76.9	84.4	90.9
649	866	1306	*7.00	9.50	1.34		52.5	56.5	60.5	63.5		67.5	69.5		75.0	78.5	83.5	86.0	93.5	100.0
644	859	1296	9.50	13.00	1.35	45.7	47.7	51.7	55.8	58.8	61.8	62.8	64.8	68.8	70.3	73.8	78.8	81.3	88.8	95.3
640	853	1287	*8.00	11.00	1.36		50.5	54.5	58.5	61.5		65.5	67.5		73.0	76.5	81.5	84.0	91.5	98.0
635	847	1277	13.00	18.00	1.37	39.0	41.0	45.0	49.0	52.0	55.0	56.0	58.0	62.1	63.6	67.1	72.1	74.6	82.1	88.6
630	841	1268	*7.50	10.50	1.38		51.3	55.3	59.3	62.3		66.3	68.3		73.8	77.3	82.3	84.8	92.3	98.8
630	841	1268	10.00	14.00	1.38	44.6	46.6	50.6	54.6	57.6	60.6	61.6	63.6	67.6	69.1	72.6	77.6	80.1	87.6	94.1
626	835	1259	*8.50	12.00	1.39		49.3	53.3	57.3	60.3		64.3	66.3		71.8	75.3	80.3	82.8	90.3	96.8
617	823	1241	*7.00	10.00	1.41		52.1	56.1	60.1	63.1		67.1	69.1		74.6	78.1	83.1	85.6	93.1	99.6
613	817	1232	14.00	20.00	1.42	36.6	38.6	42.6	46.6	49.7	52.7	53.7	55.7	59.7	61.2	64.7	69.7	72.2	79.7	86.2
608	811	1224	9.00	13.00	1.43	46.1	48.1	52.1	56.1	59.1	62.1	63.1	65.1	69.1	70.6	74.1	79.1	81.6	89.1	95.7
604	806	1215	*7.50	11.00	1.44		50.9	54.9	58.9	61.9		65.9	67.9		73.4	76.9	81.9	84.4	91.9	98.4
604	806	1215	11.00	16.00	1.44	42.2	44.2	48.2	52.2	55.2	58.2	59.2	61.2	65.2	66.7	70.2	75.2	77.7	85.2	91.7
600	800	1207	9.50	14.00	1.45	44.9	46.9	50.9	54.9	57.9	61.0	62.0	64.0	68.0	69.5	73.0	78.0	80.5	88.0	94.5
592	789	1190	*7.00	10.50	1.47		51.7	55.7	59.7	62.7		66.7	68.7		74.2	77.7	82.7	85.2	92.7	99.2
588	784	1182	*8.00	12.00	1.48		49.7	53.7	57.7	60.7		64.7	66.7		72.2	75.7	80.7	83.2	90.7	97.2
588	784	1182	12.00	18.00	1.48	39.8	41.8	45.8	49.8	52.8	55.8	56.8	58.8	62.8	64.3	67.8	72.8	75.3	82.8	89.3
584	779	1174	16.00	24.00	1.49	31.8	33.8	37.8	41.8	44.9	47.9	48.9	50.9	54.9	56.4	59.9	64.9	67.4	74.9	81.4
580	773	1167	10.50	16.00	1.50	42.5	44.6	48.6	52.6	55.6	58.6	59.6	61.6	65.6	67.1	70.6	75.6	78.1	85.6	92.1
576	768	1159	*8.50	13.00	1.51		48.5	52.5	56.5	59.5		63.5	65.5		71.0	74.5	79.5	82.0	89.5	96.0
572	763	1151	13.00	20.00	1.52	37.4	39.4	43.4	47.4	50.4	53.4	54.4	56.4	60.4	61.9	65.4	70.4	72.9	80.5	87.0
569	758	1144	9.00	14.00	1.53	45.3	47.3	51.3	55.3	58.3	61.3	62.3	64.3	68.3	69.8	73.3	78.3	80.8	88.4	94.9
565	753	1136	*7.00	11.00	1.54		51.3	55.3	59.3	62.3		66.3	68.3		73.8	77.3	82.3	84.8	92.3	98.8
554	739	1115	*7.50	12.00	1.57		50.1	54.1	58.1	61.1		65.1	67.1		72.6	76.1	81.1	83.6	91.1	97.6
551	734	1108	10.00	16.00	1.58	42.9	44.9	48.9	52.9	55.9	59.0	60.0	62.0	66.0	67.5	71.0	76.0	78.5	86.0	92.5
544	725	1094	*8.00	13.00	1.60		48.9	52.9	56.9	59.9		63.9	65.9		71.4	74.9	79.9	82.4	89.9	96.4
540	720	1087	11.00	18.00	1.61	40.5	42.5	46.5	50.6	53.6	56.6	57.6	59.6	63.6	65.1	68.6	73.6	76.1	83.6	90.1
537	716	1080	*8.50	14.00	1.62		47.7	51.7	55.7	58.7		62.7	64.7		70.2	73.7	78.7	81.2	88.7	95.2
527	703	1061	12.00	20.00	1.65	38.1	40.1	44.1	48.2	51.2	54.2	55.2	57.2	61.2	62.7	66.2	71.2	73.7	81.2	87.7
524	699	1054	9.50	16.00	1.66	43.3	45.3	49.3	53.3	56.3	59.3	60.3	62.3	66.3	67.8	71.3	76.4	78.9	86.4	92.9
518	690	1042	*7.00	12.00	1.68		50.5	54.5	58.5	61.5		65.5	67.5		73.0	76.5	81.5	84.0	91.5	98.0
515	686	1036	10.50	18.00	1.69	40.9	42.9	46.9	50.9	53.9	56.9	57.9	59.9	64.0	65.5	69.0	74.0	76.5	84.0	90.5
515	686	1036	14.00	24.00	1.69	33.2	35.2	39.3	43.3	46.3	49.4	50.4	52.4	56.4	57.9	61.4	66.4	68.9	76.4	83.0
512	682	1029	*7.50	13.00	1.70		49.3	53.3	57.3	60.3		64.3	66.3		71.8	75.3	80.3	82.8	90.3	96.8
509	678	1023	*8.00	14.00	1.71		48.1	52.1	56.1	59.1		63.1	65.1		70.6	74.1	79.1	81.6	89.1	95.6
500	667	1006	9.00	16.00	1.74	43.7	45.7	49.7	53.7	56.7	59.7	60.7	62.7	66.7	68.2	71.7	76.7	79.2	86.7	93.2
492	655	989	10.00	18.00	1.77	41.3	43.3	47.3	51.3	54.3	57.3	58.3	60.3	64.3	65.8	69.3	74.4	76.9	84.4	90.9
486	648	978	11.00	20.00	1.79	38.8	40.9	44.9	48.9	51.9	54.9	55.9	57.9	61.9	63.4	67.0	72.0	74.5	82.0	88.5
481	641	967	*7.00	13.00	1.81		49.7	53.7	57.7	60.7		64.7	66.7		72.2	75.7	80.7	83.2	90.7	97.2
478	637	962	*7.50	14.00	1.82		48.5	52.5	56.5	59.5		63.5	65.5		71.0	74.5	79.5	82.0	89.5	96.0
478	637	962	13.00	24.00	1.82	33.9	36.0	40.0	44.0	47.1	50.1	51.1	53.1	57.1	58.6	62.1	67.2	69.7	77.2	83.7
473	630	951	*8.50	16.00	1.84		46.1	50.1	54.1	57.1		61.1	63.1		68.6	72.1	77.1	79.6	87.1	93.6
470	627	946	16.00	30.00	1.85	26.4	28.5	32.6	36.7	39.7	42.7	43.8	45.8	49.8	51.3	54.9	59.9	62.4	70.0	76.5
468	624	941	9.50	18.00	1.86	41.6	43.6	47.7	51.7	54.7	57.7	58.7	60.7	64.7	66.2	69.7	74.7	77.2	84.7	91.3
465	620	936	10.50	20.00	1.87	39.2	41.2	45.2	49.3	52.3	55.3	56.3	58.3	62.3	63.8	67.3	72.3	74.8	82.4	88.9
446	595	897	*7.00	14.00	1.95		48.8	52.8	56.8	59.9		63.9	65.9		71.4	74.9	79.9	82.4	89.9	96.4
446	595	897	*8.00	16.00	1.95		46.4	50.4	54.5	57.5		61.5	63.5		69.0	72.5	77.5	80.0	87.5	94.0
444	592	893	9.00	18.00	1.96	42.0	44.0	48.0	52.0	55.1	58.1	59.1	61.1	65.1	66.6	70.1	75.1	77.6	85.1	91.6
444	592	893	10.00	20.00	1.96	39.6	41.6	45.6	49.6	52.7	55.7	56.7	58.7	62.7	64.2	67.7	72.7	75.2	82.7	89.2
442	589	888	12.00	24.00	1.97	34.7	36.7	40.7	44.8	47.8	50.8	51.8	53.8	57.9	59.4	62.9	67.9	70.4	77.9	84.5
422	563	850	9.50	20.00	2.06	39.9	42.0	46.0	50.0	53.0	56.0	57.0	59.0	63.1	64.6	68.1	73.1	75.6	83.1	89.6
420	560	845	*8.50	18.00	2.07		44.4	48.4	52.4	55.4		59.4	61.5		67.0	70.5	75.5	78.0	85.5	92.0

Key to correction factors: 0.9 1.0 1.1

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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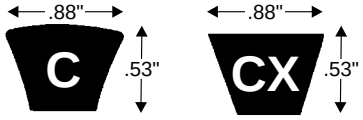
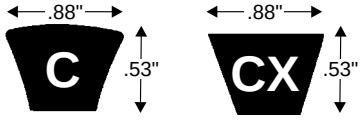


V-Belt No. and Center Distance												Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
														Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
C240 CX240	C255 CX255	C270 CX270	C285	C300 CX300	C315	C330 CX330	C345	C360 CX360	C390	C420		Small Sheave	Large Sheave	870 RPM	1160 RPM	1750 RPM	870 RPM	1160 RPM	1750 RPM
105.9	113.4	120.9		135.9		150.9		165.9				*8.00	10.50				13.5	16.8	22.2
106.7	114.2	121.7		136.7		151.7		166.7				*7.50	10.00				12.6	15.7	20.8
103.9	111.4	118.9	126.4	133.9	141.4	148.9	156.4	163.9	179.0	194.0		9.00	12.00	13.5	16.7	21.1	15.3	18.9	24.8
101.2	108.7	116.2	123.7	131.2	138.7	146.2	153.7	161.2	176.2	191.2		10.50	14.00	16.9	20.7	25.8	17.8	21.9	28.2
98.4	105.9	113.4	120.9	128.4	135.9	143.4	150.9	158.4	173.4	188.4		12.00	16.00	20.1	24.5	29.7	20.2	24.7	31.0
107.5	115.0	122.5		137.5		152.5		167.5				*7.00	9.50				11.7	14.6	19.4
102.8	110.3	117.8	125.3	132.8	140.3	147.8	155.3	162.8	177.8	192.8		9.50	13.00	14.6	18.0	22.8	16.1	19.9	25.9
105.5	113.0	120.5		135.5		150.5		165.5				*8.00	11.00				13.5	16.8	22.2
96.1	103.6	111.1	118.6	126.1	133.6	141.1	148.6	156.1	171.1	186.1		13.00	18.00	22.1	26.8	†31.8	21.7	26.5	†32.6
106.3	113.8	121.3		136.3		151.3		166.3				*7.50	10.50				12.6	15.7	20.8
101.6	109.1	116.6	124.1	131.6	139.1	146.6	154.1	161.6	176.6	191.6		10.00	14.00	15.8	19.4	24.3	17.0	21.0	27.1
104.3	111.8	119.3		134.3		149.3		164.3				*8.50	12.00				14.4	17.9	23.5
107.1	114.6	122.1		137.1		152.1		167.1				*7.00	10.00				11.7	14.6	19.4
93.7	101.2	108.7	116.2	123.7	131.2	138.7	146.2	153.7	168.7	183.7		14.00	20.00	24.1	29.1	†	23.2	28.1	†
103.2	110.7	118.2	125.7	133.2	140.7	148.2	155.7	163.2	178.2	193.2		9.00	13.00	13.5	16.7	21.1	15.3	18.9	24.8
105.9	113.4	120.9		135.9		150.9		165.9				*7.50	11.00				12.7	15.8	21.0
99.2	106.7	114.2	121.7	129.2	136.7	144.2	151.7	159.2	174.2	189.2		11.00	16.00	17.9	22.0	27.2	18.7	23.0	29.4
102.0	109.5	117.0	124.5	132.0	139.5	147.0	154.5	162.0	177.0	192.0		9.50	14.00	14.6	18.0	22.8	16.2	20.1	26.2
106.7	114.2	121.7		136.7		151.7		166.7				*7.00	10.50				11.8	14.7	19.6
104.7	112.2	119.7		134.7		149.7		164.7				*8.00	12.00				13.6	16.9	22.4
96.8	104.3	111.8	119.4	126.9	134.4	141.9	149.4	156.9	171.9	186.9		12.00	18.00	20.1	24.5	29.7	20.3	24.9	31.2
88.9	96.5	104.0	111.5	119.0	126.5	134.0	141.5	149.0	164.0	179.0		16.00	24.00	27.9	33.2	†	26.1	31.3	†
99.6	107.1	114.6	122.1	129.6	137.1	144.6	152.1	159.6	174.6	189.6		10.50	16.00	17.0	20.8	26.0	17.9	22.1	28.4
103.5	111.0	118.5		133.5		148.5		163.5				*8.50	13.00				14.5	18.0	23.7
94.5	102.0	109.5	117.0	124.5	132.0	139.5	147.0	154.5	169.5	184.5		13.00	20.00	22.2	27.0	†32.1	21.8	26.6	†32.8
102.4	109.9	117.4	124.9	132.4	139.9	147.4	154.9	162.4	177.4	192.4		9.00	14.00	13.6	16.8	21.4	15.4	19.1	25.0
106.3	113.8	121.3		136.3		151.3		166.3				*7.00	11.00				11.8	14.7	19.6
105.1	112.6	120.1		135.1		150.1		165.1				*7.50	12.00				12.7	15.8	21.0
100.0	107.5	115.0	122.5	130.0	137.5	145.0	152.5	160.0	175.0	190.0		10.00	16.00	15.9	19.5	24.5	17.1	21.1	27.3
103.9	111.4	118.9		133.9		148.9		163.9				*8.00	13.00				13.6	16.9	22.4
97.6	105.1	112.6	120.1	127.6	135.1	142.6	150.1	157.6	172.6	187.6		11.00	18.00	18.0	22.1	27.4	18.7	23.0	29.4
102.7	110.2	117.7		132.8		147.8		162.8				*8.50	14.00				14.5	18.0	23.7
95.2	102.7	110.2	117.7	125.3	132.8	140.3	147.8	155.3	170.3	185.3		12.00	20.00	20.2	24.6	29.9	20.4	25.0	31.4
100.4	107.9	115.4	122.9	130.4	137.9	145.4	152.9	160.4	175.4	190.4		9.50	16.00	14.8	18.2	23.0	16.3	20.2	26.4
105.5	113.0	120.5		135.5		150.5		165.5				*7.00	12.00				11.9	14.9	19.8
98.0	105.5	113.0	120.5	128.0	135.5	143.0	150.5	158.0	173.0	188.0		10.50	18.00	17.0	20.8	26.0	18.0	22.2	28.6
90.5	98.0	105.5	113.0	120.5	128.0	135.5	143.0	150.5	165.5	180.5		14.00	24.00	24.2	29.2	†	23.4	28.4	†
104.3	111.8	119.3		134.3		149.3		164.3				*7.50	13.00				12.8	16.0	21.2
103.1	110.6	118.1		133.1		148.1		163.1				*8.00	14.00				13.7	17.1	22.6
100.8	108.3	115.8	123.3	130.8	138.3	145.8	153.3	160.8	175.8	190.8		9.00	16.00	13.6	16.8	21.4	15.5	19.2	25.2
98.4	105.9	113.4	120.9	128.4	135.9	143.4	150.9	158.4	173.4	188.4		10.00	18.00	15.9	19.5	24.5	17.2	21.2	27.5
96.0	103.5	111.0	118.5	126.0	133.5	141.0	148.5	156.0	171.0	186.0		11.00	20.00	18.0	22.1	27.4	18.8	23.2	29.6
104.7	112.2	119.7		134.7		149.7		164.7				*7.00	13.00				11.9	14.9	19.8
103.5	111.0	118.5		133.5		148.5		163.5				*7.50	14.00				12.8	16.0	21.2
91.2	98.7	106.2	113.8	121.3	128.8	136.3	143.8	151.3	166.3	181.3		13.00	24.00	22.2	27.0	†32.1	21.9	26.8	†33.0
101.1	108.6	116.1		131.2		146.2		161.2				*8.50	16.00				14.6	18.1	23.9
84.0	91.6	99.1	106.6	114.1	121.6	129.1	136.6	144.2	159.2	174.2		16.00	30.00	28.0	33.3	†	26.3	31.4	†
98.8	106.3	113.8	121.3	128.8	136.3	143.8	151.3	158.8	173.8	188.8		9.50	18.00	14.8	18.2	23.0	16.3	20.2	26.4
96.4	103.9	111.4	118.9	126.4	133.9	141.4	148.9	156.4	171.4	186.4		10.50	20.00	17.0	20.8	26.0	18.0	22.2	28.6
103.9	111.4	118.9		133.9		148.9		163.9				*7.00	14.00				11.9	14.9	19.8
101.5	109.0	116.5		131.5		146.5		161.6				*8.00	16.00				13.7	17.1	22.6
99.1	106.6	114.2	121.7	129.2	136.7	144.2	151.7	159.2	174.2	189.2		9.00	18.00	13.6	16.8	21.4	15.5	19.2	25.2
96.8	104.3	111.8	119.3	126.8	134.3	141.8	149.3	156.8	171.8	186.8		10.00	20.00	15.9	19.5	24.5	17.2	21.2	27.5
92.0	99.5	107.0	114.5	122.0	129.5	137.0	144.6	152.1	167.1	182.1		12.00	24.00	20.2	24.6	29.9	20.4	25.0	31.4
97.1	104.6	112.2	119.7	127.2	134.7	142.2	149.7	157.2	172.2	187.2		9.50	20.00	14.8	18.2	23.0	16.4	20.4	26.6
99.5	107.0	114.5		129.5		144.6		159.6				*8.50	18.00				14.7	18.3	24.1

Key to correction factors: 1.1 1.2

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

† Rim speed higher than 6,500 feet per minute. See Page 218.



Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 16

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance																
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	C51 CX51	C53	C55	C60 CX60	C62	C68 CX68	C71	C72	C75 CX75	C78	C81 CX81	C83	C85 CX85	C90 CX90	C93
418	558	841	*7.50	16.00	2.08						16.4			20.0		23.1		25.1	27.7	
412	550	829	14.00	30.00	2.11															
407	542	818	11.00	24.00	2.14															19.4
401	535	806	9.00	20.00	2.17										16.8	18.3	19.4	20.4	23.0	24.6
397	530	799	*8.00	18.00	2.19									17.8		20.9		23.0	25.5	
392	523	788	*7.00	16.00	2.22						16.8			20.4		23.5		25.5	28.0	
392	523	788	16.00	36.00	2.22															
388	518	781	10.50	24.00	2.24															19.7
383	511	771	13.00	30.00	2.27															
380	507	764	*8.50	20.00	2.29											18.7		20.8	23.4	
373	498	751	*7.50	18.00	2.33									18.2		21.3		23.3	25.9	
370	494	745	10.00	24.00	2.35															20.0
358	477	720	*8.00	20.00	2.43											19.0		21.1	23.7	
355	473	714	12.00	30.00	2.45															
354	472	711	9.50	24.00	2.46														18.7	20.3
349	466	703	*7.00	18.00	2.49						14.8			18.5		21.6		23.7	26.2	
344	458	692	14.00	36.00	2.53															
337	450	678	*7.50	20.00	2.58									16.1		19.3		21.4	24.0	
335	446	673	9.00	24.00	2.60														19.0	20.7
326	434	655	11.00	30.00	2.67															
321	428	646	16.00	44.00	2.71															
320	426	643	13.00	36.00	2.72															
318	423	639	*8.50	24.00	2.74														19.4	
315	420	634	*7.00	20.00	2.76									16.4		19.7		21.8	24.4	
312	416	627	10.50	30.00	2.79															
300	400	603	*8.00	24.00	2.90														19.7	
298	397	599	10.00	30.00	2.92															
296	395	595	12.00	36.00	2.94															
283	378	570	9.50	30.00	3.07															
282	377	568	14.00	44.00	3.08															
282	375	566	*7.50	24.00	3.09														20.0	
273	364	549	11.00	36.00	3.19															
269	359	542	9.00	30.00	3.23															
264	352	530	*7.00	24.00	3.30													17.5	20.3	
263	350	529	13.00	44.00	3.31															
260	347	524	10.50	36.00	3.34															
254	339	512	*8.50	30.00	3.42															
249	331	500	10.00	36.00	3.50															
243	324	489	12.00	44.00	3.58															
240	320	483	*8.00	30.00	3.62															
236	315	476	9.50	36.00	3.68															
226	301	455	*7.50	30.00	3.85															
225	300	452	9.00	36.00	3.87															
224	298	450	11.00	44.00	3.89															
214	285	430	10.50	44.00	4.07															
213	284	428	*8.50	36.00	4.09															
212	282	426	*7.00	30.00	4.11															
204	272	410	10.00	44.00	4.27															
201	268	404	*8.00	36.00	4.33															
194	259	391	9.50	44.00	4.48															
189	252	380	*7.50	36.00	4.61															
184	246	371	9.00	44.00	4.72															
177	236	356	*7.00	36.00	4.92															
174	232	351	*8.50	44.00	4.99															
164	219	331	*8.00	44.00	5.29															
155	206	311	*7.50	44.00	5.62															
145	193	292	*7.00	44.00	6.00															

Key to correction factors: 0.7 0.8 0.9

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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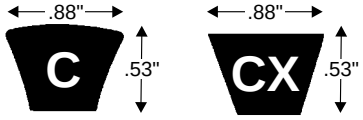

V-Belt No. and Center Distance														Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
																Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
C96 CX96	C97	C99	C100 CX100	C101 CX101	C105 CX105	C106 CX106	C108	C109 CX109	C111	C112 CX112	C115 CX115	C120 CX120		Small Sheave	Large Sheave	870 RPM	1160 RPM	1750 RPM	870 RPM	1160 RPM	1750 RPM
30.7			32.7	33.2	35.2	35.7		37.3		38.8	40.3	42.8		*7.50	16.00				12.9	16.1	21.5
												25.6		14.00	30.00	24.2	29.2	†	23.5	28.6	†
20.9	21.5	22.5	23.0	23.6	25.6	26.1	27.2	27.7	28.7	29.2	30.8	33.3		11.00	24.00	18.0	22.1	27.4	18.9	23.3	29.8
26.1	26.6	27.6	28.1	28.6	30.7	31.2	32.2	32.7	33.7	34.2	35.7	38.3		9.00	20.00	13.6	16.8	21.4	15.6	19.3	25.4
28.6			30.6	31.1	33.2	33.7		35.2		36.7	38.2	40.7		*8.00	18.00				13.8	17.2	22.8
31.1			33.1	33.6	35.6	36.1		37.6		39.1	40.6	43.2		*7.00	16.00				12.0	15.0	20.0
														16.00	36.00	28.0	33.3	†	26.4	31.5	†
21.3	21.8	22.8	23.4	23.9	26.0	26.5	27.5	28.0	29.1	29.6	31.1	33.7		10.50	24.00	17.0	20.8	26.0	18.1	22.4	28.8
											23.6	26.3		13.00	30.00	22.2	27.0	†32.1	22.1	26.9	†33.2
26.4			28.5	29.0	31.0	31.5		33.1		34.6	36.1	38.6		*8.50	20.00				14.7	18.3	24.1
28.9			31.0	31.5	33.5	34.0		35.5		37.0	38.6	41.1		*7.50	18.00				12.9	16.1	21.5
21.6	22.1	23.2	23.7	24.2	26.3	26.8	27.9	28.4	29.4	29.9	31.5	34.0		10.00	24.00	15.9	19.5	24.5	17.3	21.4	27.7
26.8			28.8	29.3	31.4	31.9		33.4		34.9	36.5	39.0		*8.00	20.00				13.8	17.2	22.8
											24.3	26.9		12.00	30.00	20.2	24.6	29.9	20.5	25.2	31.7
21.9	22.5	23.5	24.0	24.6	26.6	27.2	28.2	28.7	29.8	30.3	31.8	34.4		9.50	24.00	14.8	18.2	23.0	16.4	20.4	26.6
29.3			31.3	31.8	33.9	34.4		35.9		37.4	38.9	41.4		*7.00	18.00				12.0	15.0	20.0
														14.00	36.00	24.2	29.2	†	23.5	28.6	†
27.1			29.2	29.7	31.7	32.2		33.8		35.3	36.8	39.4		*7.50	20.00				12.9	16.1	21.5
22.3	22.8	23.8	24.4	24.9	27.0	27.5	28.5	29.1	30.1	30.6	32.2	34.7		9.00	24.00	13.6	16.8	21.4	15.6	19.3	25.4
									22.7	23.3	24.9	27.6		11.00	30.00	18.0	22.1	27.4	18.9	23.3	29.8
														16.00	44.00	28.0	33.3	†	26.4	31.5	†
														13.00	36.00	22.2	27.0	†32.1	22.1	26.9	†33.2
22.6			24.7	25.2	27.3	27.8		29.4		30.9	32.5	35.1		*8.50	24.00				14.7	18.3	24.1
27.5			29.5	30.0	32.1	32.6		34.1		35.7	37.2	39.7		*7.00	20.00				12.0	15.0	20.0
									23.0	23.6	25.2	27.9		10.50	30.00	17.0	20.8	26.0	18.1	22.4	28.8
22.9			25.0	25.6	27.7	28.2		29.7		31.3	32.8	35.4		*8.00	24.00				13.8	17.2	22.8
								22.2	23.4	23.9	25.6	28.2		10.00	30.00	15.9	19.5	24.5	17.3	21.4	27.7
														12.00	36.00	20.2	24.6	29.9	20.5	25.2	31.7
							22.0	22.6	23.7	24.2	25.9	28.6		9.50	30.00	14.8	18.2	23.0	16.5	20.5	26.8
														14.00	44.00	24.2	29.2	†	23.6	28.7	†
23.2			25.4	25.9	28.0	28.5		30.1		31.6	33.2	35.8		*7.50	24.00				13.1	16.3	21.7
														11.00	36.00	18.0	22.1	27.4	19.0	23.4	30.0
							22.3	22.9	24.0	24.5	26.2	28.9		9.00	30.00	13.6	16.8	21.4	15.7	19.5	25.6
23.6			25.7	26.2	28.3	28.8		30.4		32.0	33.5	36.1		*7.00	24.00				12.1	15.1	20.3
														13.00	44.00	22.2	27.0	†32.1	22.2	27.0	†33.4
														10.50	36.00	17.0	20.8	26.0	18.2	22.5	29.0
						21.5		23.2		24.8	26.5	29.2		*8.50	30.00				14.8	18.4	24.3
														10.00	36.00	15.9	19.5	24.5	17.4	21.5	27.9
														12.00	44.00	20.2	24.6	29.9	20.6	25.3	31.9
					21.2	21.8		23.5		25.2	26.8	29.5		*8.00	30.00				13.9	17.4	23.0
														9.50	36.00	14.8	18.2	23.0	16.5	20.5	26.8
					21.5	22.1		23.8		25.5	27.1	29.9		*7.50	30.00				13.1	16.3	21.7
														9.00	36.00	13.6	16.8	21.4	15.7	19.5	25.6
														11.00	44.00	18.0	22.1	27.4	19.0	23.4	30.0
														10.50	44.00	17.0	20.8	26.0	18.2	22.5	29.0
														*8.50	36.00				14.8	18.4	24.3
					21.8	22.4		24.1		25.8	27.4	30.2		*7.00	30.00				12.1	15.1	20.3
														10.00	44.00	15.9	19.5	24.5	17.4	21.5	27.9
														*8.00	36.00				13.9	17.4	23.0
														9.50	44.00	14.8	18.2	23.0	16.5	20.5	26.8
														*7.50	36.00				13.1	16.3	21.7
														9.00	44.00	13.6	16.8	21.4	15.7	19.5	25.6
														*7.00	36.00				12.1	15.1	20.3
														*8.50	44.00				14.8	18.4	24.3
														*8.00	44.00				13.9	17.4	23.0
														*7.50	44.00				13.1	16.3	21.7
														*7.00	44.00				12.1	15.1	20.3

Key to correction factors: 0.8 0.9

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

† Rim speed higher than 6,500 feet per minute. See Page 218.

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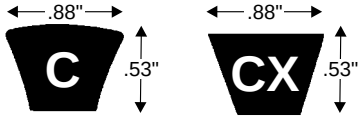

Hi-Power® II V-Belt, PowerBand® Belt and Tri-Power® Molded Notch V-Belt Drives

Table No. 16

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance														
870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	C124	C128 CX128	C136 CX136	C144 CX144	C150 CX150	C156	C158 CX158	C162 CX162	C170	C173 CX173	C180 CX180	C190 CX190	C195 CX195	C210 CX210	C225 CX225
418	558	841	*7.50	16.00	2.08		46.8	50.8	54.8	57.8		61.8	63.9		69.4	72.9	77.9	80.4	87.9	94.4
412	550	829	14.00	30.00	2.11	27.7	29.8	33.9	38.0	41.1	44.2	45.2	47.2	51.3	52.8	56.3	61.4	63.9	71.4	78.0
407	542	818	11.00	24.00	2.14	35.4	37.4	41.5	45.5	48.5	51.6	52.6	54.6	58.6	60.1	63.6	68.7	71.2	78.7	85.2
401	535	806	9.00	20.00	2.17	40.3	42.3	46.3	50.4	53.4	56.4	57.4	59.4	63.4	64.9	68.5	73.5	76.0	83.5	90.0
397	530	799	*8.00	18.00	2.19		44.8	48.8	52.8	55.8		59.8	61.8		67.3	70.9	75.9	78.4	85.9	92.4
392	523	788	*7.00	16.00	2.22		47.2	51.2	55.2	58.2		62.2	64.2		69.7	73.2	78.3	80.8	88.3	94.8
392	523	788	16.00	36.00	2.22				31.0	34.1	37.3	38.3	40.4	44.5	46.0	49.6	54.7	57.2	64.8	71.4
388	518	781	10.50	24.00	2.24	35.7	37.7	41.8	45.9	48.9	51.9	52.9	54.9	59.0	60.5	64.0	69.0	71.5	79.1	85.6
383	511	771	13.00	30.00	2.27	28.4	30.5	34.6	38.7	41.8	44.9	45.9	47.9	52.0	53.5	57.0	62.1	64.6	72.2	78.7
380	507	764	*8.50	20.00	2.29		42.7	46.7	50.7	53.8		57.8	59.8		65.3	68.8	73.8	76.3	83.9	90.4
373	498	751	*7.50	18.00	2.33		45.1	49.1	53.2	56.2		60.2	62.2		67.7	71.2	76.2	78.7	86.3	92.8
370	494	745	10.00	24.00	2.35	36.1	38.1	42.2	46.2	49.2	52.3	53.3	55.3	59.3	60.8	64.4	69.4	71.9	79.4	86.0
358	477	720	*8.00	20.00	2.43		43.0	47.1	51.1	54.1		58.1	60.2		65.7	69.2	74.2	76.7	84.2	90.8
355	473	714	12.00	30.00	2.45	29.1	31.2	35.3	39.4	42.5	45.6	46.6	48.6	52.7	54.2	57.8	62.8	65.3	72.9	79.5
354	472	711	9.50	24.00	2.46	36.4	38.5	42.5	46.6	49.6	52.6	53.6	55.7	59.7	61.2	64.7	69.8	72.3	79.8	86.3
349	466	703	*7.00	18.00	2.49		45.5	49.5	53.5	56.5		60.6	62.6		68.1	71.6	76.6	79.1	86.6	93.2
344	458	692	14.00	36.00	2.53			28.0	32.3	35.5	38.6	39.6	41.7	45.9	47.4	51.0	56.1	58.6	66.3	72.8
337	450	678	*7.50	20.00	2.58		43.4	47.4	51.5	54.5		58.5	60.5		66.1	69.6	74.6	77.1	84.6	91.1
335	446	673	9.00	24.00	2.60	36.8	38.8	42.9	46.9	50.0	53.0	54.0	56.0	60.1	61.6	65.1	70.1	72.6	80.2	86.7
326	434	655	11.00	30.00	2.67	29.7	31.8	36.0	40.1	43.2	46.3	47.3	49.3	53.4	54.9	58.5	63.5	66.1	73.6	80.2
321	428	646	16.00	44.00	2.71									36.6	38.2	42.0	47.2	49.8	57.6	64.3
320	426	643	13.00	36.00	2.72			28.6	32.9	36.1	39.3	40.3	42.4	46.5	48.1	51.7	56.8	59.3	67.0	73.6
318	423	639	*8.50	24.00	2.74		39.2	43.2	47.3	50.3		54.4	56.4		61.9	65.5	70.5	73.0	80.6	87.1
315	420	634	*7.00	20.00	2.76		43.8	47.8	51.8	54.9		58.9	60.9		66.4	69.9	75.0	77.5	85.0	91.5
312	416	627	10.50	30.00	2.79	30.0	32.2	36.3	40.5	43.5	46.6	47.6	49.7	53.8	55.3	58.8	63.9	66.4	74.0	80.6
300	400	603	*8.00	24.00	2.90		39.5	43.6	47.6	50.7		54.7	56.8		62.3	65.8	70.9	73.4	80.9	87.5
298	397	599	10.00	30.00	2.92	30.4	32.5	36.7	40.8	43.9	47.0	48.0	50.0	54.1	55.6	59.2	64.3	66.8	74.4	80.9
296	395	595	12.00	36.00	2.94			29.3	33.6	36.8	39.9	41.0	43.1	47.2	48.8	52.4	57.5	60.0	67.7	74.3
283	378	570	9.50	30.00	3.07	30.7	32.8	37.0	41.1	44.2	47.3	48.3	50.4	54.5	56.0	59.5	64.6	67.1	74.7	81.3
282	377	568	14.00	44.00	3.08								33.5	37.9	39.5	43.3	48.6	51.2	59.0	65.7
282	375	566	*7.50	24.00	3.09		39.9	43.9	48.0	51.0		55.1	57.1		62.7	66.2	71.2	73.7	81.3	87.8
273	364	549	11.00	36.00	3.19		25.4	29.9	34.2	37.4	40.6	41.6	43.7	47.9	49.4	53.1	58.2	60.7	68.4	75.0
269	359	542	9.00	30.00	3.23	31.0	33.1	37.3	41.5	44.6	47.7	48.7	50.7	54.8	56.3	59.9	65.0	67.5	75.1	81.6
264	352	530	*7.00	24.00	3.30		40.2	44.3	48.4	51.4		55.4	57.5		63.0	66.6	71.6	74.1	81.7	88.2
263	350	529	13.00	44.00	3.31							31.8	34.1	38.5	40.2	43.9	49.2	51.8	59.7	66.4
260	347	524	10.50	36.00	3.34		25.7	30.2	34.5	37.8	40.9	42.0	44.1	48.2	49.8	53.4	58.5	61.1	68.7	75.3
254	339	512	*8.50	30.00	3.42		33.5	37.7	41.8	44.9		49.0	51.1		56.7	60.3	65.3	67.9	75.4	82.0
249	331	500	10.00	36.00	3.50		26.0	30.5	34.9	38.1	41.3	42.3	44.4	48.6	50.1	53.7	58.9	61.4	69.1	75.7
243	324	489	12.00	44.00	3.58						31.3	32.4	34.7	39.2	40.8	44.6	49.9	52.5	60.3	67.0
240	320	483	*8.00	30.00	3.62		33.8	38.0	42.2	45.3		49.4	51.4		57.0	60.6	65.7	68.2	75.8	82.4
236	315	476	9.50	36.00	3.68		26.3	30.8	35.2	38.4	41.6	42.6	44.7	48.9	50.5	54.1	59.2	61.8	69.4	76.1
226	301	455	*7.50	30.00	3.85		34.1	38.3	42.5	45.6		49.7	51.8		57.4	61.0	66.0	68.6	76.2	82.7
225	300	452	9.00	36.00	3.87		26.6	31.1	35.5	38.7	41.9	43.0	45.1	49.2	50.8	54.4	59.6	62.1	69.8	76.4
224	298	450	11.00	44.00	3.89						31.9	33.0	35.3	39.8	41.4	45.2	50.5	53.2	61.0	67.7
214	285	430	10.50	44.00	4.07						32.2	33.3	35.6	40.1	41.7	45.5	50.9	53.5	61.3	68.1
213	284	428	*8.50	36.00	4.09		26.9	31.4	35.8	39.1		43.3	45.4		51.1	54.8	59.9	62.5	70.1	76.8
212	282	426	*7.00	30.00	4.11		34.5	38.7	42.8	45.9		50.1	52.1		57.7	61.3	66.4	68.9	76.5	83.1
204	272	410	10.00	44.00	4.27						32.5	33.6	35.9	40.4	42.1	45.8	51.2	53.8	61.7	68.4
201	268	404	*8.00	36.00	4.33		27.2	31.8	36.1	39.4		43.6	45.7		51.5	55.1	60.3	62.8	70.5	77.1
194	259	391	9.50	44.00	4.48					29.2	32.8	33.9	36.2	40.7	42.4	46.2	51.5	54.2	62.0	68.8
189	252	380	*7.50	36.00	4.61		27.5	32.1	36.5	39.7		44.0	46.1		51.8	55.4	60.6	63.2	70.8	77.5
184	246	371	9.00	44.00	4.72					29.5	33.1	34.2	36.5	41.0	42.7	46.5	51.8	54.5	62.4	69.1
177	236	356	*7.00	36.00	4.92		27.8	32.4	36.8	40.0		44.3	46.4		52.1	55.8	60.9	63.5	71.2	77.8
174	232	351	*8.50	44.00	4.99					29.7		34.5	36.9		43.0	46.8	52.2	54.8	62.7	69.4
164	219	331	*8.00	44.00	5.29					30.0		34.8	37.2		43.3	47.1	52.5	55.1	63.0	69.8
155	206	311	*7.50	44.00	5.62					30.3		35.1	37.5		43.6	47.4	52.8	55.5	63.4	70.1
145	193	292	*7.00	44.00	6.00					30.6		35.4	37.8		43.9	47.8	53.1	55.8	63.7	70.5

Key to correction factors: 0.8 0.9 1.0 1.1

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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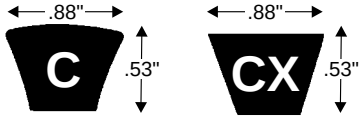

V-Belt No. and Center Distance												Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio)					
														Hi-Power II RPM of Small Sheave			Tri-Power Molded Notch RPM of Small Sheave		
C240 CX240	C255 CX255	C270 CX270	C285	C300 CX300	C315	C330 CX330	C345	C360 CX360	C390	C420		Small Sheave	Large Sheave	870 RPM	1160 RPM	1750 RPM	870 RPM	1160 RPM	1750 RPM
101.9	109.4	116.9		131.9		146.9		161.9				*7.50	16.00				12.9	16.1	21.5
85.5	93.0	100.6	108.1	115.6	123.1	130.6	138.2	145.7	160.7	175.7		14.00	30.00	24.2	29.2	†	23.5	28.6	†
92.7	100.3	107.8	115.3	122.8	130.3	137.8	145.3	152.8	167.8	182.8		11.00	24.00	18.0	22.1	27.4	18.9	23.3	29.8
97.5	105.0	112.5	120.0	127.6	135.1	142.6	150.1	157.6	172.6	187.6		9.00	20.00	13.6	16.8	21.4	15.6	19.3	25.4
99.9	107.4	114.9		129.9		144.9		160.0				*8.00	18.00				13.8	17.2	22.8
102.3	109.8	117.3		132.3		147.3		162.3				*7.00	16.00				12.0	15.0	20.0
79.0	86.5	94.1	101.6	109.2	116.7	124.2	131.7	139.3	154.3	169.3		16.00	36.00	28.0	33.3	†	26.4	31.5	†
93.1	100.6	108.1	115.7	123.2	130.7	138.2	145.7	153.2	168.2	183.2		10.50	24.00	17.0	20.8	26.0	18.1	22.4	28.8
86.3	93.8	101.3	108.8	116.4	123.9	131.4	138.9	146.4	161.5	176.5		13.00	30.00	22.2	27.0	†32.1	22.1	26.9	†33.2
97.9	105.4	112.9		127.9		143.0		158.0				*8.50	20.00				14.7	18.3	24.1
100.3	107.8	115.3		130.3		145.3		160.3				*7.50	18.00				12.9	16.1	21.5
93.5	101.0	108.5	116.0	123.5	131.1	138.6	146.1	153.6	168.6	183.6		10.00	24.00	15.9	19.5	24.5	17.3	21.4	27.7
98.3	105.8	113.3		128.3		143.3		158.3				*8.00	20.00				13.8	17.2	22.8
87.0	94.5	102.1	109.6	117.1	124.6	132.2	139.7	147.2	162.2	177.2		12.00	30.00	20.2	24.6	29.9	20.5	25.2	31.7
93.9	101.4	108.9	116.4	123.9	131.4	138.9	146.5	154.0	169.0	184.0		9.50	24.00	14.8	18.2	23.0	16.4	20.4	26.6
100.7	108.2	115.7		130.7		145.7		160.7				*7.00	18.00				12.0	15.0	20.0
80.4	88.0	95.5	103.1	110.6	118.2	125.7	133.2	140.8	155.8	170.8		14.00	36.00	24.2	29.2	†	23.5	28.6	†
98.7	106.2	113.7		128.7		143.7		158.7				*7.50	20.00				12.9	16.1	21.5
94.2	101.8	109.3	116.8	124.3	131.8	139.3	146.8	154.3	169.4	184.4		9.00	24.00	13.6	16.8	21.4	15.6	19.3	25.4
87.7	95.3	102.8	110.3	117.9	125.4	132.9	140.4	147.9	163.0	178.0		11.00	30.00	18.0	22.1	27.4	18.9	23.3	29.8
72.0	79.6	87.2	94.8	102.4	109.9	117.5	125.0	132.6	147.7	162.7		16.00	44.00	28.0	33.3	†	26.4	31.5	†
81.1	88.7	96.3	103.8	111.4	118.9	126.4	134.0	141.5	156.5	171.6		13.00	36.00	22.2	27.0	†32.1	22.1	26.9	†33.2
94.6	102.1	109.7		124.7		139.7		154.7				*8.50	24.00				14.7	18.3	24.1
99.0	106.5	114.1		129.1		144.1		159.1				*7.00	20.00				12.0	15.0	20.0
88.1	95.6	103.2	110.7	118.2	125.8	133.3	140.8	148.3	163.4	178.4		10.50	30.00	17.0	20.8	26.0	18.1	22.4	28.8
95.0	102.5	110.0		125.1		140.1		155.1				*8.00	24.00				13.8	17.2	22.8
88.5	96.0	103.6	111.1	118.6	126.1	133.7	141.2	148.7	163.7	178.8		10.00	30.00	15.9	19.5	24.5	17.3	21.4	27.7
81.9	89.4	97.0	104.6	112.1	119.6	127.2	134.7	142.2	157.3	172.3		12.00	36.00	20.2	24.6	29.9	20.5	25.2	31.7
88.8	96.4	103.9	111.5	119.0	126.5	134.0	141.6	149.1	164.1	179.1		9.50	30.00	14.8	18.2	23.0	16.5	20.5	26.8
73.4	81.0	88.6	96.2	103.8	111.4	118.9	126.5	134.1	149.1	164.2		14.00	44.00	24.2	29.2	†	23.6	28.7	†
95.4	102.9	110.4		125.4		140.5		155.5				*7.50	24.00				13.1	16.3	21.7
82.6	90.2	97.7	105.3	112.8	120.4	127.9	135.5	143.0	158.0	173.1		11.00	36.00	18.0	22.1	27.4	19.0	23.4	30.0
89.2	96.7	104.3	111.8	119.4	126.9	134.4	141.9	149.5	164.5	179.5		9.00	30.00	13.6	16.8	21.4	15.7	19.5	25.6
95.7	103.3	110.8		125.8		140.8		155.9				*7.00	24.00				12.1	15.1	20.3
74.1	81.7	89.3	96.9	104.5	112.1	119.7	127.2	134.8	149.9	165.0		13.00	44.00	22.2	27.0	†32.1	22.2	27.0	†33.4
82.9	90.5	98.1	105.7	113.2	120.8	128.3	135.8	143.4	158.4	173.5		10.50	36.00	17.0	20.8	26.0	18.2	22.5	29.0
89.6	97.1	104.7		119.7		134.8		149.8				*8.50	30.00				14.8	18.4	24.3
83.3	90.9	98.5	106.0	113.6	121.1	128.7	136.2	143.7	158.8	173.8		10.00	36.00	15.9	19.5	24.5	17.4	21.5	27.9
74.7	82.4	90.0	97.7	105.2	112.8	120.4	128.0	135.5	150.6	165.7		12.00	44.00	20.2	24.6	29.9	20.6	25.3	31.9
89.9	97.5	105.0		120.1		135.2		150.2				*8.00	30.00				13.9	17.4	23.0
83.7	91.3	98.8	106.4	113.9	121.5	129.0	136.6	144.1	159.2	174.2		9.50	36.00	14.8	18.2	23.0	16.5	20.5	26.8
90.3	97.9	105.4		120.5		135.5		150.6				*7.50	30.00				13.1	16.3	21.7
84.0	91.6	99.2	106.8	114.3	121.9	129.4	136.9	144.5	159.5	174.6		9.00	36.00	13.6	16.8	21.4	15.7	19.5	25.6
75.4	83.1	90.7	98.4	106.0	113.6	121.1	128.7	136.3	151.4	166.4		11.00	44.00	18.0	22.1	27.4	19.0	23.4	30.0
75.8	83.5	91.1	98.7	106.3	113.9	121.5	129.1	136.6	151.7	166.8		10.50	44.00	17.0	20.8	26.0	18.2	22.5	29.0
84.4	92.0	99.5		114.7		129.8		144.8				*8.50	36.00				14.8	18.4	24.3
90.7	98.2	105.8		120.8		135.9		151.0				*7.00	30.00				12.1	15.1	20.3
76.1	83.8	91.5	99.1	106.7	114.3	121.9	129.4	137.0	152.1	167.2		10.00	44.00	15.9	19.5	24.5	17.4	21.5	27.9
84.7	92.3	99.9		115.0		130.1		145.2				*8.00	36.00				13.9	17.4	23.0
76.5	84.2	91.8	99.4	107.0	114.6	122.2	129.8	137.3	152.5	167.5		9.50	44.00	14.8	18.2	23.0	16.5	20.5	26.8
85.1	92.7	100.3		115.4		130.5		145.6				*7.50	36.00				13.1	16.3	21.7
76.8	84.5	92.2	99.8	107.4	115.0	122.6	130.1	137.7	152.8	167.9		9.00	44.00	13.6	16.8	21.4	15.7	19.5	25.6
85.4	93.0	100.6		115.8		130.9		146.0				*7.00	36.00				12.1	15.1	20.3
77.2	84.9	92.5		107.8		122.9		138.1				*8.50	44.00				14.8	18.4	24.3
77.5	85.2	92.9		108.1		123.3		138.4				*8.00	44.00				13.9	17.4	23.0
77.9	85.5	93.2		108.5		123.7		138.8				*7.50	44.00				13.1	16.3	21.7
78.2	85.9	93.6		108.8		124.0		139.2				*7.00	44.00				12.1	15.1	20.3

Key to correction factors: 1.0 1.1 1.2

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

† Rim speed higher than 6,500 feet per minute. See Page 218.

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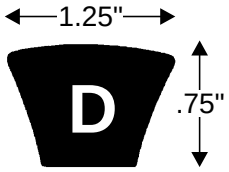

Hi-Power® II V-Belt and Hi-Power II PowerBand® Belt Drives

Table No. 17

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance															
690 RPM	870 RPM	1160 RPM	Small Sheave	Large Sheave	Speed Ratio	D120	D128	D144	D158	D162	D173	D180	D195	D210	D225	D240	D255	D270	D285	D315	D330
690	870	1160	13.00	13.00	1.00	41.2	45.2	53.2	60.2	62.2	67.7	71.2	78.7	86.2	92.6	100.1	107.6	115.1	122.6	137.6	145.1
690	870	1160	13.50	13.50	1.00	40.4	44.4	52.4	59.4	61.4	66.9	70.4	77.9	85.4	91.8	99.3	106.8	114.3	121.8	136.8	144.3
690	870	1160	14.00	14.00	1.00	39.7	43.7	51.7	58.7	60.7	66.2	69.7	77.2	84.7	91.0	98.5	106.0	113.5	121.0	136.0	143.5
690	870	1160	14.50	14.50	1.00	38.9	42.9	50.9	57.9	59.9	65.4	68.9	76.4	83.9	90.2	97.7	105.2	112.7	120.2	135.2	142.7
690	870	1160	15.00	15.00	1.00	38.1	42.1	50.1	57.1	59.1	64.6	68.1	75.6	83.1	89.4	96.9	104.4	111.9	119.4	134.4	141.9
690	870	1160	15.50	15.50	1.00	37.3	41.3	49.3	56.3	58.3	63.8	67.3	74.8	82.3	88.7	96.2	103.7	111.2	118.7	133.7	141.2
690	870	1160	16.00	16.00	1.00	36.5	40.5	48.5	55.5	57.5	63.0	66.5	74.0	81.5	87.9	95.4	102.9	110.4	117.9	132.9	140.4
690	870	1160	18.00	18.00	1.00	33.4	37.4	45.4	52.4	54.4	59.9	63.4	70.9	78.4	84.7	92.2	99.7	107.2	114.7	129.7	137.2
690	870	1160	22.00	22.00	1.00	27.1	31.1	39.1	46.1	48.1	53.6	57.1	64.6	72.1	78.4	85.9	93.4	100.9	108.4	123.4	130.9
670	845	1126	14.00	14.50	1.03	39.3	43.3	51.3	58.3	60.3	65.8	69.3	76.8	84.3	90.6	98.1	105.6	113.1	120.6	135.6	143.1
670	845	1126	14.50	15.00	1.03	38.5	42.5	50.5	57.5	59.5	65.0	68.5	76.0	83.5	89.8	97.3	104.8	112.3	119.8	134.8	142.3
670	845	1126	15.00	15.50	1.03	37.7	41.7	49.7	56.7	58.7	64.2	67.7	75.2	82.7	89.0	96.5	104.0	111.5	119.0	134.0	141.5
670	845	1126	15.50	16.00	1.03	36.9	40.9	48.9	55.9	57.9	63.4	66.9	74.4	81.9	88.3	95.8	103.3	110.8	118.3	133.3	140.8
663	837	1115	13.00	13.50	1.04	40.8	44.8	52.8	59.8	61.8	67.3	70.8	78.3	85.8	92.2	99.7	107.2	114.7	122.2	137.2	144.7
663	837	1115	13.50	14.00	1.04	40.1	44.1	52.1	59.1	61.1	66.6	70.1	77.6	85.1	91.4	98.9	106.4	113.9	121.4	136.4	143.9
651	821	1094	15.00	16.00	1.06	37.3	41.3	49.3	56.3	58.3	63.8	67.3	74.8	82.3	88.7	96.2	103.7	111.2	118.7	133.7	141.2
645	813	1084	13.00	14.00	1.07	40.4	44.4	52.4	59.4	61.4	66.9	70.4	77.9	85.4	91.8	99.3	106.8	114.3	121.8	136.8	144.3
645	813	1084	13.50	14.50	1.07	39.7	43.7	51.7	58.7	60.7	66.2	69.7	77.2	84.7	91.0	98.5	106.0	113.5	121.0	136.0	143.5
645	813	1084	14.00	15.00	1.07	38.9	42.9	50.9	57.9	59.9	65.4	68.9	76.4	83.9	90.2	97.7	105.2	112.7	120.2	135.2	142.7
645	813	1084	14.50	15.50	1.07	38.1	42.1	50.1	57.1	59.1	64.6	68.1	75.6	83.1	89.4	96.9	104.4	111.9	119.4	134.4	141.9
627	791	1055	14.00	15.50	1.10	38.5	42.5	50.5	57.5	59.5	65.0	68.5	76.0	83.5	89.8	97.3	104.8	112.3	119.8	134.8	142.3
627	791	1055	14.50	16.00	1.10	37.7	41.7	49.7	56.7	58.7	64.2	67.7	75.2	82.7	89.0	96.5	104.0	111.5	119.0	134.0	141.5
622	784	1045	13.00	14.50	1.11	40.0	44.0	52.0	59.0	61.0	66.5	70.0	77.5	85.0	91.4	98.9	106.4	113.9	121.4	136.4	143.9
622	784	1045	13.50	15.00	1.11	39.3	43.3	51.3	58.3	60.3	65.8	69.3	76.8	84.3	90.6	98.1	105.6	113.1	120.6	135.6	143.1
616	777	1036	16.00	18.00	1.12	34.9	38.9	46.9	53.9	55.9	61.4	64.9	72.4	79.9	86.3	93.8	101.3	108.8	116.3	131.3	138.8
605	763	1018	13.50	15.50	1.14	38.9	42.9	50.9	57.9	59.9	65.4	68.9	76.4	83.9	90.2	97.7	105.2	112.7	120.2	135.2	142.7
605	763	1018	14.00	16.00	1.14	38.1	42.1	50.1	57.1	59.1	64.6	68.1	75.6	83.1	89.4	96.9	104.4	111.9	119.4	134.4	141.9
600	757	1009	13.00	15.00	1.15	39.6	43.6	51.6	58.7	60.7	66.2	69.7	77.2	84.7	91.0	98.5	106.0	113.5	121.0	136.0	143.5
595	750	1000	15.50	18.00	1.16	35.3	39.3	47.3	54.3	56.3	61.8	65.3	72.8	80.3	86.7	94.2	101.7	109.2	116.7	131.7	139.2
585	737	983	13.00	15.50	1.18	39.2	43.2	51.3	58.3	60.3	65.8	69.3	76.8	84.3	90.6	98.1	105.6	113.1	120.6	135.6	143.1
585	737	983	13.50	16.00	1.18	38.5	42.5	50.5	57.5	59.5	65.0	68.5	76.0	83.5	89.8	97.3	104.8	112.3	119.8	134.8	142.3
580	731	975	15.00	18.00	1.19	35.7	39.7	47.7	54.7	56.7	62.2	65.7	73.2	80.7	87.1	94.6	102.1	109.6	117.1	132.1	139.6
566	713	951	13.00	16.00	1.22	38.8	42.8	50.9	57.9	59.9	65.4	68.9	76.4	83.9	90.2	97.7	105.2	112.7	120.2	135.2	142.7
566	713	951	18.00	22.00	1.22	30.2	34.2	42.2	49.2	51.2	56.7	60.2	67.7	75.2	81.6	89.1	96.6	104.1	111.6	126.6	134.1
566	713	951	22.00	27.00	1.22			35.1	42.1	44.1	49.6	53.1	60.6	68.1	74.5	82.0	89.5	97.0	104.5	119.5	127.0
561	707	943	14.50	18.00	1.23	36.1	40.1	48.1	55.1	57.1	62.6	66.1	73.6	81.1	87.5	95.0	102.5	110.0	117.5	132.5	140.0
543	685	913	14.00	18.00	1.27	36.5	40.5	48.5	55.5	57.5	63.0	66.5	74.0	81.5	87.8	95.3	102.8	110.3	117.9	132.9	140.4
523	659	879	13.50	18.00	1.32	36.8	40.8	48.9	55.9	57.9	63.4	66.9	74.4	81.9	88.2	95.7	103.2	110.7	118.2	133.2	140.7
507	640	853	16.00	22.00	1.36	31.7	35.7	43.7	50.7	52.7	58.2	61.7	69.2	76.7	83.1	90.6	98.1	105.6	113.1	128.1	135.6
504	635	847	13.00	18.00	1.37	37.2	41.2	49.2	56.2	58.2	63.8	67.3	74.8	82.3	88.6	96.1	103.6	111.1	118.6	133.6	141.1

Key to correction factors: 0.8 0.9 1.0 1.1

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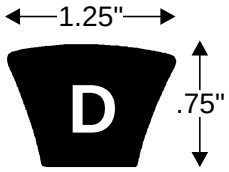
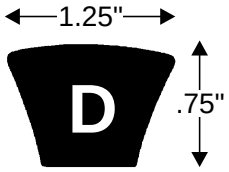


V-Belt No. and Center Distance										Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio) RPM of Small Sheave		
D345	D360	D390	D420	D450	D-480	D540	D600	D660	Small Sheave	Large Sheave	690 RPM	870 RPM	1160 RPM
152.6	160.1	175.1	190.1	205.1	220.1	250.1	280.1	310.1	13.00	13.00	24.4	28.4	32.8
151.8	159.3	174.3	189.3	204.3	219.3	249.3	279.3	309.3	13.50	13.50	26.0	30.3	34.9
151.0	158.5	173.5	188.5	203.5	218.5	248.5	278.5	308.5	14.00	14.00	27.6	32.1	37.0
150.2	157.7	172.7	187.7	202.7	217.7	247.7	277.7	307.7	14.50	14.50	29.2	33.9	38.9
149.4	156.9	171.9	186.9	201.9	216.9	246.9	276.9	306.9	15.00	15.00	30.8	35.7	40.8
148.7	156.2	171.2	186.2	201.2	216.2	246.2	276.2	306.2	15.50	15.50	32.3	37.4	42.7
147.9	155.4	170.4	185.4	200.4	215.4	245.4	275.4	305.4	16.00	16.00	33.8	39.2	44.5
144.7	152.2	167.2	182.2	197.2	212.2	242.2	272.2	302.2	18.00	18.00	39.7	45.7	50.8
138.4	145.9	160.9	175.9	190.9	205.9	235.9	265.9	295.9	22.00	22.00	50.6	57.1	†
150.6	158.1	173.1	188.1	203.1	218.1	248.1	278.1	308.1	14.00	14.50	27.9	32.4	37.4
149.8	157.3	172.3	187.3	202.3	217.3	247.3	277.3	307.3	14.50	15.00	29.5	34.2	39.4
149.0	156.5	171.5	186.5	201.5	216.5	246.5	276.5	306.5	15.00	15.50	31.0	36.0	41.3
148.3	155.8	170.8	185.8	200.8	215.8	245.8	275.8	305.8	15.50	16.00	32.6	37.8	43.1
152.2	159.7	174.7	189.7	204.7	219.7	249.7	279.7	309.7	13.00	13.50	24.9	29.0	33.7
151.4	158.9	173.9	188.9	203.9	218.9	248.9	278.9	308.9	13.50	14.00	26.5	30.9	35.8
148.7	156.2	171.2	186.2	201.2	216.2	246.2	276.2	306.2	15.00	16.00	31.3	36.3	41.7
151.8	159.3	174.3	189.3	204.3	219.3	249.3	279.3	309.3	13.00	14.00	25.2	29.4	34.1
151.0	158.5	173.5	188.5	203.5	218.5	248.5	278.5	308.5	13.50	14.50	26.8	31.2	36.2
150.2	157.7	172.7	187.7	202.7	217.7	247.7	277.7	307.7	14.00	15.00	28.4	33.1	38.3
149.4	156.9	171.9	186.9	201.9	216.9	246.9	276.9	306.9	14.50	15.50	30.0	34.9	40.2
149.8	157.3	172.3	187.3	202.3	217.3	247.3	277.3	307.3	14.00	15.50	28.6	33.4	38.7
149.0	156.5	171.5	186.5	201.5	216.5	246.5	276.5	306.5	14.50	16.00	30.2	35.2	40.7
151.4	158.9	173.9	188.9	203.9	218.9	248.9	278.9	308.9	13.00	14.50	25.4	29.7	34.5
150.6	158.1	173.1	188.1	203.1	218.1	248.1	278.1	308.1	13.50	15.00	27.0	31.6	36.7
146.3	153.8	168.8	183.8	198.8	213.8	243.8	273.8	303.8	16.00	18.00	34.9	40.5	46.2
150.2	157.7	172.7	187.7	202.7	217.7	247.7	277.7	307.7	13.50	15.50	27.3	31.9	37.1
149.4	156.9	171.9	186.9	201.9	216.9	246.9	276.9	306.9	14.00	16.00	28.9	33.7	39.1
151.0	158.5	173.5	188.5	203.5	218.5	248.5	278.5	308.5	13.00	15.00	25.7	30.0	35.0
146.7	154.2	169.2	184.2	199.2	214.2	244.2	274.2	304.2	15.50	18.00	33.6	39.1	44.9
150.6	158.1	173.1	188.1	203.1	218.1	248.1	278.1	308.1	13.00	15.50	26.0	30.3	35.4
149.8	157.3	172.3	187.3	202.3	217.3	247.3	277.3	307.3	13.50	16.00	27.6	32.2	37.5
147.1	154.6	169.6	184.6	199.6	214.6	244.6	274.6	304.6	15.00	18.00	32.3	37.6	43.4
150.2	157.7	172.7	187.7	202.7	217.7	247.7	277.7	307.7	13.00	16.00	26.0	30.3	35.4
141.6	149.1	164.1	179.1	194.1	209.1	239.1	269.1	299.1	18.00	22.00	41.3	47.7	53.4
134.5	142.0	157.0	172.0	187.0	202.0	232.0	262.0	292.0	22.00	27.00	52.2	59.0	†
147.5	155.0	170.0	185.0	200.0	215.0	245.0	275.0	305.0	14.50	18.00	31.0	36.2	42.0
147.9	155.4	170.4	185.4	200.4	215.4	245.4	275.4	305.4	14.00	18.00	29.4	34.4	40.0
148.2	155.7	170.7	185.7	200.7	215.7	245.7	275.8	305.8	13.50	18.00	27.8	32.5	38.0
143.1	150.6	165.6	180.6	195.6	210.6	240.6	270.6	300.6	16.00	22.00	35.9	41.8	47.9
148.6	156.1	171.1	186.1	201.1	216.1	246.1	276.1	306.1	13.00	18.00	26.5	31.0	36.3

Key to correction factors: 1.1 1.2

† Rim speed higher than 6,500 feet per minute. See Page 218.



Hi-Power® II V-Belt and Hi-Power II PowerBand® Belt Drives

Table No. 17

DriveN Speed For Motor Speed of			Sheave Datum Diameters			V-Belt No. and Center Distance															
690 RPM	870 RPM	1160 RPM	Small Sheave	Large Sheave	Speed Ratio	D120	D128	D144	D158	D162	D173	D180	D195	D210	D225	D240	D255	D270	D285	D315	D330
493	621	829	15.50	22.00	1.40	32.0	36.1	44.1	51.1	53.1	58.6	62.1	69.6	77.1	83.5	91.0	98.5	106.0	113.5	128.5	136.0
476	600	800	15.00	22.00	1.45	32.4	36.4	44.5	51.5	53.5	59.0	62.5	70.0	77.5	83.9	91.4	98.9	106.4	113.9	128.9	136.4
466	588	784	18.00	27.00	1.48	25.9	30.0	38.0	45.1	47.1	52.6	56.1	63.6	71.2	77.5	85.0	92.5	100.1	107.6	122.6	130.1
463	584	779	22.00	33.00	1.49				37.0	39.1	44.6	48.1	55.7	63.2	69.6	77.1	84.6	92.1	99.7	114.7	122.2
460	580	773	14.50	22.00	1.50	32.8	36.8	44.8	51.8	53.9	59.4	62.9	70.4	77.9	84.2	91.8	99.3	106.8	114.3	129.3	136.8
445	561	748	14.00	22.00	1.55	33.1	37.2	45.2	52.2	54.2	59.7	63.2	70.8	78.3	84.6	92.1	99.6	107.2	114.7	129.7	137.2
431	544	725	13.50	22.00	1.60	33.5	37.5	45.6	52.6	54.6	60.1	63.6	71.1	78.7	85.0	92.5	100.0	107.5	115.0	130.0	137.6
416	524	699	13.00	22.00	1.66	33.9	37.9	45.9	53.0	55.0	60.5	64.0	71.5	79.0	85.4	92.9	100.4	107.9	115.4	130.4	137.9
416	524	699	16.00	27.00	1.66	27.3	31.4	39.5	46.6	48.6	54.1	57.6	65.1	72.7	79.0	86.6	94.1	101.6	109.1	124.1	131.6
404	509	678	15.50	27.00	1.71	27.7	31.7	39.9	46.9	48.9	54.5	58.0	65.5	73.0	79.4	86.9	94.4	102.0	109.5	124.5	132.0
390	492	655	15.00	27.00	1.77	28.0	32.1	40.2	47.3	49.3	54.8	58.4	65.9	73.4	79.8	87.3	94.8	102.3	109.8	124.9	132.4
383	483	644	22.00	40.00	1.80						38.4	42.0	49.6	57.2	63.7	71.2	78.8	86.3	93.9	108.9	116.5
381	481	641	18.00	33.00	1.81			32.7	39.9	41.9	47.5	51.0	58.6	66.2	72.6	80.1	87.6	95.1	102.7	117.7	125.2
377	475	634	14.50	27.00	1.83	28.4	32.5	40.6	47.6	49.7	55.2	58.7	66.3	73.8	80.2	87.7	95.2	102.7	110.2	125.3	132.8
365	460	614	14.00	27.00	1.89	28.7	32.8	40.9	48.0	50.0	55.6	59.1	66.6	74.2	80.5	88.1	95.6	103.1	110.6	125.6	133.1
352	444	592	13.50	27.00	1.96	29.1	33.2	41.3	48.4	50.4	55.9	59.5	67.0	74.5	80.9	88.4	96.0	103.5	111.0	126.0	133.5
342	431	574	16.00	33.00	2.02			34.1	41.3	43.3	48.9	52.5	60.1	67.6	74.0	81.6	89.1	96.6	104.2	119.2	126.7
340	429	571	13.00	27.00	2.03	29.4	33.5	41.6	48.7	50.8	56.3	59.8	67.4	74.9	81.3	88.8	96.3	103.8	111.4	126.4	133.9
330	416	555	15.50	33.00	2.09			34.4	41.6	43.7	49.3	52.8	60.4	68.0	74.4	81.9	89.5	97.0	104.5	119.6	127.1
321	405	540	15.00	33.00	2.15			34.8	42.0	44.0	49.6	53.2	60.8	68.4	74.8	82.3	89.9	97.4	104.9	120.0	127.5
321	405	540	22.00	48.00	2.15								42.2	50.0	56.5	64.2	71.8	79.5	87.1	102.2	109.8
317	399	532	18.00	40.00	2.18				33.3	35.4	41.1	44.7	52.4	60.1	66.5	74.1	81.7	89.3	96.8	111.9	119.4
309	390	520	14.50	33.00	2.23		26.7	35.1	42.3	44.4	50.0	53.5	61.1	68.7	75.1	82.7	90.2	97.8	105.3	120.3	127.9
300	378	504	14.00	33.00	2.30		27.1	35.5	42.7	44.7	50.3	53.9	61.5	69.1	75.5	83.0	90.6	98.1	105.7	120.7	128.2
290	366	487	13.50	33.00	2.38		27.4	35.8	43.0	45.1	50.7	54.3	61.9	69.4	75.9	83.4	91.0	98.5	106.0	121.1	128.6
282	355	473	16.00	40.00	2.45				34.6	36.7	42.5	46.1	53.8	61.5	68.0	75.6	83.2	90.7	98.3	113.4	120.9
279	352	470	13.00	33.00	2.47		27.7	36.1	43.4	45.4	51.0	54.6	62.2	69.8	76.2	83.8	91.3	98.9	106.4	121.5	129.0
274	345	460	15.50	40.00	2.52				34.9	37.0	42.8	46.4	54.2	61.8	68.3	75.9	83.5	91.1	98.6	113.8	121.3
266	336	448	22.00	58.00	2.59										46.7	54.7	62.6	70.4	78.1	93.4	101.1
265	335	446	15.00	40.00	2.60				35.2	37.4	43.1	46.8	54.5	62.2	68.7	76.3	83.9	91.4	99.0	114.1	121.7
264	333	444	18.00	48.00	2.61							36.8	44.8	52.7	59.3	67.0	74.7	82.3	89.9	105.1	112.7
257	323	431	14.50	40.00	2.69				35.6	37.7	43.5	47.1	54.9	62.5	69.0	76.6	84.2	91.8	99.4	114.5	122.0
248	313	417	14.00	40.00	2.78				35.9	38.0	43.8	47.5	55.2	62.9	69.4	77.0	84.6	92.2	99.7	114.9	122.4
240	302	403	13.50	40.00	2.88				36.2	38.3	44.1	47.8	55.6	63.2	69.7	77.3	84.9	92.5	100.1	115.2	122.8
235	297	396	16.00	48.00	2.93							38.0	46.1	54.0	60.6	68.4	76.1	83.7	91.3	106.5	114.1
231	291	388	13.00	40.00	2.99				36.5	38.7	44.5	48.1	55.9	63.6	70.1	77.7	85.3	92.9	100.5	115.6	123.1
228	288	384	15.50	48.00	3.02						34.4	38.3	46.4	54.3	61.0	68.7	76.4	84.1	91.7	106.9	114.5
221	279	372	15.00	48.00	3.12						34.8	38.6	46.8	54.7	61.3	69.0	76.7	84.4	92.0	107.3	114.8
219	276	368	18.00	58.00	3.15									42.2	49.2	57.3	65.2	73.1	80.8	96.2	103.9
214	270	360	14.50	48.00	3.22						35.1	39.0	47.1	55.0	61.6	69.4	77.1	84.8	92.4	107.6	115.2
207	261	348	14.00	48.00	3.33						35.4	39.3	47.4	55.3	62.0	69.7	77.4	85.1	92.7	108.0	115.6
200	252	336	13.50	48.00	3.45						35.7	39.6	47.7	55.7	62.3	70.1	77.8	85.5	93.1	108.3	115.9
195	246	329	16.00	58.00	3.53									43.5	50.5	58.6	66.6	74.4	82.2	97.6	105.3
193	244	325	13.00	48.00	3.57						36.0	39.9	48.1	56.0	62.6	70.4	78.1	85.8	93.5	108.7	116.3
190	239	319	15.50	58.00	3.64									43.8	50.8	58.9	66.9	74.8	82.5	98.0	105.6
184	231	309	15.00	58.00	3.76									44.1	51.1	59.3	67.2	75.1	82.9	98.3	106.0
178	224	299	14.50	58.00	3.88									44.4	51.5	59.6	67.6	75.4	83.2	98.7	106.3
172	217	289	14.00	58.00	4.01									44.7	51.8	59.9	67.9	75.8	83.6	99.0	106.7
166	209	279	13.50	58.00	4.16									45.0	52.1	60.2	68.2	76.1	83.9	99.4	107.0
160	202	269	13.00	58.00	4.31									45.3	52.4	60.6	68.5	76.4	84.2	99.7	107.4

Key to correction factors: 0.8 0.9 1.0

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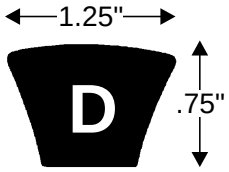

V-Belt No. and Center Distance										Sheave Datum Diameters		Rated HP per Belt (Including Allowance for Speed Ratio) RPM of Small Sheave		
D345	D360	D390	D420	D450	D-480	D540	D600	D660	Small Sheave	Large Sheave	690 RPM	870 RPM	1160 RPM
143.5	151.0	166.0	181.0	196.0	211.0	241.0	271.0	301.0	15.50	22.00	34.4	40.0	46.2
143.9	151.4	166.4	181.4	196.4	211.4	241.4	271.4	301.4	15.00	22.00	32.8	38.3	44.3
137.6	145.1	160.1	175.1	190.1	205.1	235.1	265.1	295.1	18.00	27.00	41.8	48.3	54.3
129.7	137.2	152.2	167.2	182.2	197.2	227.2	257.2	287.3	22.00	33.00	52.7	59.7	†
144.3	151.8	166.8	181.8	196.8	211.8	241.8	271.8	301.8	14.50	22.00	31.3	36.5	42.4
144.7	152.2	167.2	182.2	197.2	212.2	242.2	272.2	302.2	14.00	22.00	29.9	35.0	40.9
145.1	152.6	167.6	182.6	197.6	212.6	242.6	272.6	302.6	13.50	22.00	28.3	33.2	38.8
145.4	152.9	168.0	183.0	198.0	213.0	243.0	273.0	303.0	13.00	22.00	26.7	31.3	36.7
139.1	146.6	161.6	176.6	191.6	206.7	236.7	266.7	296.7	16.00	27.00	36.1	42.1	48.4
139.5	147.0	162.0	177.0	192.0	207.0	237.1	267.1	297.1	15.50	27.00	34.6	40.4	46.6
139.9	147.4	162.4	177.4	192.4	207.4	237.4	267.4	297.5	15.00	27.00	33.1	38.6	44.7
124.0	131.5	146.5	161.6	176.6	191.6	221.6	251.6	281.7	22.00	40.00	53.0	60.0	†
132.7	140.2	155.3	170.3	185.3	200.3	230.3	260.3	290.3	18.00	33.00	42.1	48.6	54.7
140.3	147.8	162.8	177.8	192.8	207.8	237.8	267.8	297.8	14.50	27.00	31.5	36.8	42.8
140.6	148.2	163.2	178.2	193.2	208.2	238.2	268.2	298.2	14.00	27.00	29.9	35.0	40.9
141.0	148.5	163.6	178.6	193.6	208.6	238.6	268.6	298.6	13.50	27.00	28.3	33.2	38.8
134.2	141.8	156.8	171.8	186.8	201.8	231.9	261.9	291.9	16.00	33.00	36.1	42.1	48.4
141.4	148.9	163.9	178.9	194.0	209.0	239.0	269.0	299.0	13.00	27.00	26.7	31.3	36.7
134.6	142.1	157.2	172.2	187.2	202.2	232.2	262.3	292.3	15.50	33.00	34.6	40.4	46.6
135.0	142.5	157.5	172.6	187.6	202.6	232.6	262.6	292.7	15.00	33.00	33.1	38.6	44.7
117.3	124.8	139.9	155.0	170.0	185.1	215.1	245.2	275.2	22.00	48.00	53.0	60.0	†
127.0	134.5	149.5	164.6	179.6	194.6	224.7	254.7	284.7	18.00	40.00	42.1	48.6	54.7
135.4	142.9	157.9	172.9	188.0	203.0	233.0	263.0	293.0	14.50	33.00	31.5	36.8	42.8
135.8	143.3	158.3	173.3	188.3	203.4	233.4	263.4	293.4	14.00	33.00	29.9	35.0	40.9
136.1	143.6	158.7	173.7	188.7	203.7	233.8	263.8	293.8	13.50	33.00	28.3	33.2	38.8
128.5	136.0	151.0	166.1	181.1	196.2	226.2	256.2	286.3	16.00	40.00	36.1	42.1	48.4
136.5	144.0	159.1	174.1	189.1	204.1	234.2	264.2	294.2	13.00	33.00	26.7	31.3	36.7
128.8	136.4	151.4	166.5	181.5	196.5	226.6	256.6	286.6	15.50	40.00	34.6	40.4	46.6
108.7	116.3	131.4	146.6	161.7	176.8	206.9	237.0	267.1	22.00	58.00	53.0	60.0	†
129.2	136.7	151.8	166.8	181.9	196.9	227.0	257.0	287.0	15.00	40.00	33.1	38.6	44.7
120.2	127.8	142.9	158.0	173.0	188.1	218.1	248.2	278.3	18.00	48.00	42.1	48.6	54.7
129.6	137.1	152.2	167.2	182.2	197.3	227.3	257.4	287.4	14.50	40.00	31.5	36.8	42.8
129.9	137.5	152.5	167.6	182.6	197.7	227.7	257.8	287.8	14.00	40.00	29.9	35.0	40.9
130.3	137.8	152.9	168.0	183.0	198.0	228.1	258.1	288.2	13.50	40.00	28.3	33.2	38.8
121.7	129.2	144.3	159.4	174.5	189.6	219.7	249.7	279.8	16.00	48.00	36.1	42.1	48.4
130.7	138.2	153.3	168.3	183.4	198.4	228.5	258.5	288.6	13.00	40.00	26.7	31.3	36.7
122.0	129.6	144.7	159.8	174.9	189.9	220.0	250.1	280.2	15.50	48.00	34.6	40.4	46.6
122.4	130.0	145.1	160.2	175.2	190.3	220.4	250.5	280.5	15.00	48.00	33.1	38.6	44.7
111.5	119.1	134.3	149.5	164.6	179.7	209.9	240.0	270.1	18.00	58.00	42.1	48.6	54.7
122.8	130.3	145.4	160.5	175.6	190.7	220.8	250.9	280.9	14.50	48.00	31.5	36.8	42.8
123.1	130.7	145.8	160.9	176.0	191.0	221.2	251.2	281.3	14.00	48.00	29.9	35.0	40.9
123.5	131.1	146.2	161.3	176.4	191.4	221.5	251.6	281.7	13.50	48.00	28.3	33.2	38.8
112.9	120.6	135.8	150.9	166.1	181.2	211.3	241.5	271.6	16.00	58.00	36.1	42.1	48.4
123.9	131.4	146.5	161.6	176.7	191.8	221.9	252.0	282.0	13.00	48.00	26.7	31.3	36.7
113.3	120.9	136.1	151.3	166.4	181.5	211.7	241.8	271.9	15.50	58.00	34.6	40.4	46.6
113.6	121.3	136.5	151.6	166.8	181.9	212.1	242.2	272.3	15.00	58.00	33.1	38.6	44.7
114.0	121.6	136.8	152.0	167.1	182.3	212.4	242.6	272.7	14.50	58.00	31.5	36.8	42.8
114.3	122.0	137.2	152.4	167.5	182.6	212.8	243.0	273.1	14.00	58.00	29.9	35.0	40.9
114.7	122.3	137.5	152.7	167.9	183.0	213.2	243.3	273.4	13.50	58.00	28.3	33.2	38.8
115.0	122.7	137.9	153.1	168.2	183.4	213.6	243.7	273.8	13.00	58.00	26.7	31.3	36.7

Key to correction factors: 1.0 1.1 1.2

† Rim speed higher than 6,500 feet per minute. See Page 218.

Table No. 18 Rated Horsepower per Belt For A Section Hi-Power® II V-Belts and Hi-Power II PowerBand® Belts

RPM of Faster Shaft	Basic Horsepower per Belt for Small Sheave Datum Diameter														
	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.60	4.80	5.00	5.20	5.60	6.00	6.40	7.00
950	1.40	1.62	1.83	2.04	2.25	2.46	2.67	3.08	3.29	3.49	3.69	4.09	4.49	4.88	5.46
1160	1.62	1.87	2.13	2.38	2.63	2.88	3.13	3.62	3.86	4.10	4.34	4.81	5.28	5.74	6.42
1425	1.86	2.17	2.47	2.77	3.07	3.37	3.66	4.24	4.53	4.81	5.09	5.65	6.20	6.73	7.52
1750	2.13	2.50	2.86	3.21	3.57	3.92	4.26	4.94	5.28	5.61	5.94	6.59	7.22	7.84	8.73
2850	2.80	3.33	3.85	4.37	4.87	5.36	5.85	6.78	7.24	7.68	8.11	8.93	9.71	10.4	11.4
3450	3.01	3.61	4.20	4.77	5.33	5.87	6.40	7.40	7.88	8.34	8.78	9.60	10.3	11.0	
200	0.42	0.47	0.52	0.57	0.63	0.68	0.73	0.83	0.88	0.93	0.98	1.09	1.19	1.29	1.43
400	0.72	0.82	0.92	1.02	1.12	1.22	1.31	1.50	1.60	1.70	1.79	1.98	2.17	2.35	2.63
600	0.99	1.14	1.28	1.42	1.56	1.70	1.84	2.11	2.25	2.39	2.52	2.79	3.06	3.33	3.72
800	1.23	1.42	1.60	1.78	1.97	2.15	2.33	2.68	2.86	3.03	3.21	3.55	3.90	4.24	4.74
1000	1.45	1.68	1.90	2.12	2.34	2.56	2.78	3.21	3.43	3.64	3.85	4.27	4.68	5.09	5.70
1200	1.66	1.92	2.18	2.44	2.70	2.96	3.21	3.71	3.96	4.21	4.45	4.94	5.42	5.89	6.59
1400	1.84	2.14	2.44	2.74	3.03	3.32	3.61	4.18	4.47	4.75	5.02	5.57	6.11	6.64	7.42
1600	2.01	2.35	2.69	3.02	3.35	3.67	3.99	4.63	4.94	5.25	5.56	6.17	6.76	7.34	8.20
1800	2.17	2.54	2.91	3.28	3.64	4.00	4.35	5.05	5.39	5.73	6.06	6.72	7.36	7.99	8.90
2000	2.32	2.72	3.13	3.52	3.91	4.30	4.68	5.44	5.81	6.17	6.53	7.23	7.92	8.59	9.55
2200	2.45	2.89	3.32	3.75	4.17	4.59	5.00	5.80	6.19	6.58	6.96	7.71	8.43	9.12	10.1
2400	2.57	3.04	3.50	3.96	4.41	4.85	5.28	6.13	6.55	6.96	7.36	8.14	8.88	9.60	10.6
2600	2.68	3.18	3.67	4.15	4.63	5.09	5.55	6.44	6.87	7.30	7.71	8.52	9.29	10.0	11.0
2800	2.78	3.30	3.82	4.33	4.82	5.31	5.79	6.72	7.17	7.61	8.03	8.86	9.63	10.4	11.4
3000	2.86	3.41	3.95	4.48	5.00	5.51	6.01	6.97	7.43	7.87	8.31	9.14	9.92	10.6	11.6
3200	2.94	3.51	4.07	4.62	5.16	5.69	6.20	7.18	7.65	8.11	8.55	9.38	10.2	10.9	11.8
3400	3.00	3.59	4.18	4.75	5.30	5.84	6.36	7.36	7.84	8.30	8.74	9.57	10.3	11.0	
3600	3.04	3.66	4.26	4.85	5.42	5.97	6.50	7.51	7.99	8.45	8.88	9.69	10.4		
3800	3.08	3.71	4.33	4.93	5.51	6.07	6.61	7.63	8.10	8.55	8.98	9.76			
4000	3.10	3.75	4.38	4.99	5.58	6.15	6.69	7.70	8.17	8.61	9.03				
4200	3.11	3.77	4.42	5.04	5.63	6.20	6.74	7.74	8.20	8.63	9.02				
4400	3.10	3.78	4.43	5.06	5.66	6.23	6.76	7.75	8.19	8.60					
4600	3.08	3.77	4.43	5.06	5.66	6.22	6.75	7.71							
4800	3.05	3.74	4.41	5.04	5.63	6.19	6.71								
5000	3.00	3.70	4.37	4.99	5.58	6.13	6.63								
5200	2.94	3.64	4.30	4.92	5.50	6.03									
5400	2.86	3.56	4.22	4.83	5.40										
5600	2.76	3.46	4.12	4.72	5.26										
5800	2.65	3.35	3.99	4.57											
6000	2.52	3.21	3.84												
6200	2.38	3.06													
6400	2.22	2.88													
6600	2.04														
6800	1.84														

Drives for rpm-diameter combinations where no horsepower is shown may be practical if all conditions are known. See your local Gates representative.

RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	1.00 to 1.01	1.02 to 1.03	1.04 to 1.06	1.07 to 1.08	1.09 to 1.12	1.13 to 1.16	1.17 to 1.22	1.23 to 1.32	1.33 to 1.50	1.51 and over
950	0.00	0.02	0.05	0.07	0.09	0.12	0.14	0.17	0.19	0.21
1160	0.00	0.03	0.06	0.09	0.12	0.14	0.17	0.20	0.23	0.26
1425	0.00	0.04	0.07	0.11	0.14	0.18	0.21	0.25	0.28	0.32
1750	0.00	0.04	0.09	0.13	0.17	0.22	0.26	0.30	0.35	0.39
2850	0.00	0.07	0.14	0.21	0.28	0.35	0.43	0.50	0.57	0.64
3450	0.00	0.09	0.17	0.26	0.34	0.43	0.52	0.60	0.69	0.77
200	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04
400	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
600	0.00	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13
800	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18
1000	0.00	0.02	0.05	0.07	0.10	0.12	0.15	0.17	0.20	0.22
1200	0.00	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27
1400	0.00	0.03	0.07	0.10	0.14	0.17	0.21	0.24	0.28	0.31
1600	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
1800	0.00	0.04	0.09	0.13	0.18	0.22	0.27	0.31	0.36	0.40
2000	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
2200	0.00	0.05	0.11	0.16	0.22	0.27	0.33	0.38	0.44	0.49
2400	0.00	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
2600	0.00	0.06	0.13	0.19	0.26	0.32	0.39	0.45	0.52	0.58
2800	0.00	0.07	0.14	0.21	0.28	0.35	0.42	0.49	0.56	0.63
3000	0.00	0.07	0.15	0.22	0.30	0.37	0.45	0.52	0.60	0.67
3200	0.00	0.08	0.16	0.24	0.32	0.40	0.48	0.56	0.64	0.72
3400	0.00	0.08	0.17	0.25	0.34	0.42	0.51	0.59	0.68	0.76
3600	0.00	0.09	0.18	0.27	0.36	0.45	0.54	0.63	0.72	0.81
3800	0.00	0.09	0.19	0.28	0.38	0.47	0.57	0.66	0.76	0.85
4000	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
4200	0.00	0.10	0.21	0.31	0.42	0.52	0.63	0.73	0.84	0.94
4400	0.00	0.11	0.22	0.33	0.44	0.55	0.66	0.77	0.88	0.99
4600	0.00	0.11	0.23	0.34	0.46	0.57	0.69	0.80	0.92	1.03
4800	0.00	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.96	1.08
5000	0.00	0.12	0.25	0.37	0.50	0.62	0.75	0.87	1.00	1.12
5200	0.00	0.13	0.26	0.39	0.52	0.65	0.78	0.91	1.04	1.16
5400	0.00	0.13	0.27	0.40	0.54	0.67	0.81	0.94	1.08	1.21
5600	0.00	0.14	0.28	0.42	0.56	0.70	0.84	0.98	1.12	1.25
5800	0.00	0.14	0.29	0.43	0.58	0.72	0.87	1.01	1.16	1.30
6000	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.04	1.20	1.34
6200	0.00	0.15	0.31	0.46	0.62	0.77	0.93	1.08	1.24	1.39
6400	0.00	0.16	0.32	0.48	0.64	0.80	0.96	1.11	1.27	1.43
6600	0.00	0.16	0.33	0.49	0.66	0.82	0.99	1.15	1.31	1.48
6800	0.00	0.17	0.34	0.51	0.68	0.85	1.02	1.18	1.35	1.52

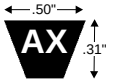

Table No. 19 Rated Horsepower per Belt For AX Section Tri-Power® Molded Notch V-Belts

RPM of Faster Shaft	Basic Horsepower per Belt for Small Sheave Datum Diameter																			RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	2.20	2.40	2.60	2.80	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.60	4.80	5.00	5.20	5.60	6.00	6.40	7.00		1.00 to 1.02	1.03 to 1.07	1.08 to 1.13	1.14 to 1.21	1.22 to 1.30	1.31 to 1.44	1.45 to 1.64	1.65 to 2.01	2.02 to 3.00	3.01 and over
950	1.07	1.28	1.48	1.68	1.88	2.08	2.27	2.46	2.65	2.84	3.03	3.40	3.58	3.76	3.94	4.29	4.64	4.98	5.48	950	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
1160	1.20	1.45	1.69	1.92	2.16	2.39	2.62	2.84	3.07	3.29	3.50	3.94	4.15	4.36	4.57	4.98	5.38	5.78	6.36	1160	0.00	0.05	0.10	0.15	0.19	0.24	0.29	0.34	0.39	0.44
1425	1.35	1.64	1.92	2.20	2.47	2.75	3.02	3.28	3.54	3.80	4.06	4.56	4.81	5.05	5.29	5.77	6.23	6.69	7.35	1425	0.00	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
1750	1.50	1.84	2.17	2.50	2.82	3.14	3.45	3.76	4.07	4.37	4.67	5.25	5.53	5.81	6.09	6.63	7.16	7.68	8.42	1750	0.00	0.07	0.15	0.22	0.29	0.37	0.44	0.51	0.58	0.66
2850	1.79	2.28	2.76	3.23	3.69	4.14	4.57	5.00	5.42	5.83	6.23	7.00	7.36	7.72	8.07	8.74	9.36	9.94	10.7	2850	0.00	0.12	0.24	0.36	0.48	0.59	0.71	0.83	0.95	1.07
3450	1.84	2.40	2.94	3.47	3.99	4.49	4.97	5.44	5.90	6.34	6.77	7.58	7.96	8.32	8.67	9.32	9.90	10.4		3450	0.00	0.14	0.29	0.43	0.58	0.72	0.86	1.01	1.15	1.30
200	0.36	0.41	0.47	0.52	0.58	0.63	0.68	0.73	0.78	0.83	0.89	0.99	1.04	1.08	1.13	1.23	1.33	1.42	1.57	200	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.08
400	0.60	0.70	0.80	0.90	0.99	1.09	1.18	1.27	1.37	1.46	1.55	1.73	1.82	1.91	2.00	2.18	2.35	2.52	2.78	400	0.00	0.02	0.03	0.05	0.07	0.08	0.10	0.12	0.13	0.15
600	0.80	0.94	1.07	1.21	1.35	1.48	1.61	1.75	1.88	2.01	2.13	2.39	2.51	2.64	2.76	3.01	3.25	3.49	3.84	600	0.00	0.03	0.05	0.08	0.10	0.13	0.15	0.18	0.20	0.23
800	0.96	1.14	1.32	1.49	1.66	1.83	2.00	2.17	2.33	2.50	2.66	2.98	3.14	3.30	3.45	3.76	4.07	4.37	4.81	800	0.00	0.03	0.07	0.10	0.13	0.17	0.20	0.23	0.27	0.30
1000	1.10	1.32	1.53	1.74	1.95	2.15	2.35	2.56	2.75	2.95	3.14	3.53	3.72	3.91	4.09	4.46	4.82	5.18	5.70	1000	0.00	0.04	0.08	0.13	0.17	0.21	0.25	0.29	0.33	0.38
1200	1.23	1.48	1.72	1.97	2.21	2.44	2.68	2.91	3.14	3.37	3.59	4.03	4.25	4.47	4.68	5.10	5.51	5.92	6.51	1200	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
1400	1.34	1.62	1.90	2.17	2.45	2.71	2.98	3.24	3.50	3.75	4.01	4.50	4.75	4.99	5.23	5.70	6.16	6.61	7.26	1400	0.00	0.06	0.12	0.18	0.23	0.29	0.35	0.41	0.47	0.53
1600	1.43	1.75	2.06	2.36	2.67	2.96	3.26	3.55	3.83	4.11	4.39	4.94	5.21	5.47	5.73	6.25	6.75	7.24	7.95	1600	0.00	0.07	0.13	0.20	0.27	0.33	0.40	0.47	0.53	0.60
1800	1.52	1.86	2.20	2.54	2.87	3.19	3.51	3.83	4.14	4.45	4.75	5.35	5.64	5.92	6.20	6.76	7.29	7.81	8.57	1800	0.00	0.08	0.15	0.23	0.30	0.38	0.45	0.53	0.60	0.68
2000	1.59	1.96	2.33	2.70	3.06	3.41	3.75	4.09	4.43	4.76	5.09	5.72	6.03	6.34	6.64	7.22	7.79	8.34	9.12	2000	0.00	0.08	0.17	0.25	0.33	0.42	0.50	0.58	0.67	0.75
2200	1.65	2.06	2.45	2.84	3.23	3.60	3.97	4.34	4.70	5.05	5.39	6.07	6.40	6.72	7.03	7.65	8.24	8.81	9.61	2200	0.00	0.09	0.18	0.28	0.37	0.46	0.55	0.64	0.73	0.83
2400	1.70	2.14	2.56	2.98	3.38	3.78	4.18	4.56	4.94	5.31	5.68	6.39	6.73	7.06	7.39	8.03	8.64	9.22	10.0	2400	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
2600	1.75	2.21	2.66	3.10	3.53	3.95	4.36	4.77	5.17	5.56	5.94	6.67	7.03	7.38	7.72	8.37	8.99	9.57	10.4	2600	0.00	0.11	0.22	0.33	0.43	0.54	0.65	0.76	0.87	0.98
2800	1.78	2.27	2.74	3.20	3.66	4.10	4.53	4.96	5.37	5.78	6.17	6.93	7.30	7.66	8.00	8.67	9.29	9.87	10.7	2800	0.00	0.12	0.23	0.35	0.47	0.58	0.70	0.82	0.93	1.05
3000	1.81	2.32	2.81	3.30	3.77	4.24	4.69	5.13	5.56	5.98	6.38	7.17	7.54	7.90	8.25	8.92	9.54	10.1	10.9	3000	0.00	0.13	0.25	0.38	0.50	0.63	0.75	0.88	1.00	1.13
3200	1.83	2.36	2.88	3.38	3.88	4.36	4.82	5.28	5.72	6.15	6.57	7.37	7.75	8.11	8.46	9.13	9.74	10.3	11.0	3200	0.00	0.13	0.27	0.40	0.53	0.67	0.80	0.93	1.07	1.20
3400	1.84	2.39	2.93	3.46	3.97	4.46	4.95	5.41	5.87	6.31	6.73	7.54	7.92	8.29	8.64	9.29	9.88	10.4		3400	0.00	0.14	0.28	0.43	0.57	0.71	0.85	0.99	1.14	1.28
3600	1.84	2.42	2.98	3.52	4.04	4.56	5.05	5.53	5.99	6.44	6.87	7.68	8.06	8.42	8.77	9.40	9.96			3600	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35
3800	1.84	2.43	3.01	3.57	4.11	4.63	5.14	5.63	6.10	6.55	6.98	7.79	8.17	8.52	8.86	9.46				3800	0.00	0.16	0.32	0.48	0.63	0.79	0.95	1.11	1.27	1.43
4000	1.83	2.44	3.03	3.61	4.16	4.70	5.21	5.71	6.18	6.63	7.07	7.87	8.24	8.58	8.90					4000	0.00	0.17	0.33	0.50	0.67	0.84	1.00	1.17	1.34	1.50
4200	1.81	2.44	3.05	3.63	4.20	4.74	5.27	5.77	6.24	6.70	7.13	7.91	8.27	8.60	8.91					4200	0.00	0.18	0.35	0.53	0.70	0.88	1.05	1.23	1.40	1.58
4400	1.78	2.43	3.05	3.65	4.22	4.78	5.30	5.81	6.28	6.73	7.16	7.93	8.27	8.58						4400	0.00	0.18	0.37	0.55	0.73	0.92	1.10	1.29	1.47	1.65
4600	1.74	2.41	3.04	3.65	4.24	4.79	5.32	5.83	6.30	6.75	7.16	7.90								4600	0.00	0.19	0.38	0.58	0.77	0.96	1.15	1.34	1.54	1.73
4800	1.70	2.38	3.03	3.65	4.24	4.80	5.33	5.83	6.30	6.73	7.14									4800	0.00	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80
5000	1.65	2.34	3.00	3.63	4.22	4.78	5.31	5.81	6.27	6.70	7.09									5000	0.00	0.21	0.42	0.63	0.83	1.04	1.25	1.46	1.67	1.88
5200	1.60	2.30	2.96	3.60	4.19	4.76	5.28	5.77	6.22	6.63										5200	0.00	0.22	0.43	0.65	0.87	1.09	1.30	1.52	1.74	1.95
5400	1.53	2.24	2.92	3.55	4.15	4.71	5.23	5.71	6.15											5400	0.00	0.23	0.45	0.68	0.90	1.13	1.35	1.58	1.80	2.03
5600	1.46	2.18	2.86	3.50	4.10	4.65	5.16	5.63	6.05											5600	0.00	0.23	0.47	0.70	0.93	1.17	1.40	1.64	1.87	2.10
5800	1.39	2.11	2.79	3.43	4.03	4.57	5.07	5.53												5800	0.00	0.24	0.48	0.73	0.97	1.21	1.45	1.69	1.94	2.18
6000	1.30	2.03	2.72	3.35	3.94	4.48	4.97													6000	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25
6200	1.21	1.94	2.63	3.26	3.84	4.37														6200	0.00	0.26	0.52	0.78	1.03	1.29	1.55	1.81	2.07	2.33
6400	1.11	1.84	2.53	3.16	3.73	4.24														6400	0.00	0.27	0.53	0.80	1.07	1.34	1.60	1.87	2.14	2.40
6600	1.00	1.74	2.42	3.04	3.60															6600	0.00	0.28	0.55	0.83	1.10	1.38	1.65	1.93	2.20	2.48
6800	0.88	1.62	2.30	2.91	3.45															6800	0.00	0.28	0.57	0.85	1.13	1.42	1.70	1.99	2.27	2.55
7000	0.76	1.49	2.16	2.76																7000	0.00	0.29	0.58	0.88	1.17	1.46	1.75	2.05	2.34	2.63
7200	0.62	1.36	2.02	2.61																7200	0.00	0.30	0.60	0.90	1.20	1.50	1.80	2.10	2.40	2.71
7400	0.48	1.21	1.86																	7400	0.00	0.31	0.62	0.93	1.24	1.54	1.85	2.16	2.47	2.78
7600	0.34	1.06	1.69																	7600	0.00	0.32	0.64	0.95	1.27	1.59	1.90	2.22	2.54	2.86
7800	0.18	0.89																		7800	0.00	0.33	0.65	0.98	1.30	1.63	1.95	2.28	2.60	2.93

Drives for rpm-diameter combinations where no horsepower is shown may be practical if all conditions are known. See your local Gates representative.

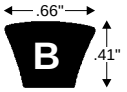

Table No. 20 Rated Horsepower per Belt

For B Section Hi-Power® II V-Belts and Hi-Power II PowerBand® Belts

RPM of Faster Shaft	Basic Horsepower per Belt for Small Sheave Datum Diameter										
	*4.60	*5.00	*5.20	5.40	5.60	6.00	6.40	6.80	7.40	8.60	9.40
725	2.85	3.37	3.62	3.87	4.13	4.63	5.13	5.62	6.35	7.79	8.73
870	3.27	3.87	4.17	4.47	4.76	5.35	5.93	6.50	7.36	9.02	10.1
950	3.48	4.13	4.46	4.78	5.09	5.73	6.35	6.97	7.88	9.67	10.8
1160	4.02	4.78	5.16	5.54	5.92	6.66	7.39	8.12	9.18	11.3	12.6
1425	4.61	5.52	5.97	6.41	6.85	7.72	8.58	9.42	10.7	13.0	14.5
1750	5.23	6.30	6.82	7.33	7.84	8.85	9.83	10.8	12.2	14.8	16.4
2850	6.43	7.84	8.52	9.18	9.81	11.0	12.2	13.2	14.6		
3450	6.44	7.89	8.58	9.23	9.85	11.0	12.0	12.9			
200	1.02	1.19	1.27	1.35	1.43	1.59	1.75	1.90	2.14	2.60	2.91
400	1.80	2.10	2.25	2.40	2.55	2.85	3.14	3.44	3.87	4.74	5.30
600	2.47	2.90	3.12	3.33	3.55	3.98	4.40	4.82	5.44	6.67	7.47
800	3.07	3.63	3.91	4.18	4.46	5.01	5.55	6.08	6.88	8.44	9.45
1000	3.62	4.29	4.63	4.96	5.30	5.96	6.61	7.25	8.20	10.1	11.3
1200	4.11	4.90	5.29	5.68	6.07	6.83	7.58	8.32	9.42	11.5	12.9
1400	4.56	5.45	5.90	6.33	6.77	7.63	8.47	9.30	10.5	12.9	14.3
1600	4.96	5.95	6.44	6.93	7.41	8.35	9.28	10.2	11.5	14.0	15.6
1800	5.32	6.40	6.93	7.46	7.98	9.00	10.0	11.0	12.4	15.0	16.6
2000	5.63	6.80	7.37	7.93	8.49	9.57	10.6	11.6	13.1	15.8	17.4
2200	5.90	7.14	7.74	8.34	8.92	10.1	11.2	12.2	13.7	16.4	17.9
2400	6.12	7.42	8.05	8.67	9.28	10.5	11.6	12.7	14.2	16.8	18.2
2600	6.29	7.65	8.30	8.94	9.57	10.8	11.9	13.0	14.5	17.0	
2800	6.41	7.81	8.48	9.14	9.78	11.0	12.1	13.2	14.6		
3000	6.48	7.91	8.59	9.26	9.90	11.1	12.2	13.3	14.6		
3200	6.50	7.95	8.63	9.30	9.93	11.1	12.2	13.2	14.4		
3400	6.46	7.91	8.60	9.25	9.88	11.0	12.1	13.0			
3600	6.36	7.81	8.48	9.12	9.73	10.8	11.8				
3800	6.20	7.63	8.29	8.90	9.48	10.5					
4000	5.98	7.37	8.00	8.59	9.13						
4200	5.69	7.04	7.63	8.18							
4400	5.34	6.62	7.17								
4600	4.92	6.11									
4800	4.42										
5000	3.85										

Drives for rpm-diameter combinations where no horsepower is shown may be practical if all conditions are known. See your local Gates representative.

RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	1.00 to 1.01	1.02 to 1.03	1.04 to 1.06	1.07 to 1.08	1.09 to 1.12	1.13 to 1.16	1.17 to 1.22	1.23 to 1.32	1.33 to 1.50	1.51 and over
725	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
870	0.00	0.05	0.10	0.15	0.19	0.24	0.29	0.34	0.39	0.44
950	0.00	0.05	0.11	0.16	0.21	0.26	0.32	0.37	0.42	0.48
1160	0.00	0.06	0.13	0.19	0.26	0.32	0.39	0.45	0.52	0.58
1425	0.00	0.08	0.16	0.24	0.32	0.40	0.48	0.55	0.63	0.71
1750	0.00	0.10	0.19	0.29	0.39	0.49	0.58	0.68	0.78	0.88
2850	0.00	0.16	0.32	0.48	0.63	0.79	0.95	1.11	1.27	1.43
3450	0.00	0.19	0.38	0.58	0.77	0.96	1.15	1.34	1.53	1.73
200	0.00	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.09	0.10
400	0.00	0.02	0.04	0.07	0.09	0.11	0.13	0.16	0.18	0.20
600	0.00	0.03	0.07	0.10	0.13	0.17	0.20	0.23	0.27	0.30
800	0.00	0.04	0.09	0.13	0.18	0.22	0.27	0.31	0.36	0.40
1000	0.00	0.06	0.11	0.17	0.22	0.28	0.33	0.39	0.44	0.50
1200	0.00	0.07	0.13	0.20	0.27	0.33	0.40	0.47	0.53	0.60
1400	0.00	0.08	0.16	0.23	0.31	0.39	0.47	0.54	0.62	0.70
1600	0.00	0.09	0.18	0.27	0.36	0.44	0.53	0.62	0.71	0.80
1800	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
2000	0.00	0.11	0.22	0.33	0.44	0.56	0.67	0.78	0.89	1.00
2200	0.00	0.12	0.24	0.37	0.49	0.61	0.73	0.86	0.98	1.10
2400	0.00	0.13	0.27	0.40	0.53	0.67	0.80	0.93	1.07	1.20
2600	0.00	0.14	0.29	0.43	0.58	0.72	0.87	1.01	1.16	1.30
2800	0.00	0.16	0.31	0.47	0.62	0.78	0.93	1.09	1.25	1.40
3000	0.00	0.17	0.33	0.50	0.67	0.83	1.00	1.17	1.33	1.50
3200	0.00	0.18	0.36	0.53	0.71	0.89	1.07	1.24	1.42	1.60
3400	0.00	0.19	0.38	0.57	0.76	0.94	1.13	1.32	1.51	1.70
3600	0.00	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80
3800	0.00	0.21	0.42	0.63	0.84	1.06	1.27	1.48	1.69	1.90
4000	0.00	0.22	0.45	0.67	0.89	1.11	1.33	1.55	1.78	2.00
4200	0.00	0.23	0.47	0.70	0.93	1.17	1.40	1.63	1.87	2.10
4400	0.00	0.24	0.49	0.73	0.98	1.22	1.47	1.71	1.96	2.20
4600	0.00	0.26	0.51	0.77	1.02	1.28	1.53	1.79	2.05	2.30
4800	0.00	0.27	0.53	0.80	1.07	1.33	1.60	1.87	2.13	2.40
5000	0.00	0.28	0.56	0.84	1.11	1.39	1.67	1.94	2.22	2.50

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

Click Here for Single Page View

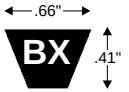

Table No. 21 Rated Horsepower per Belt For BX Section Tri-Power® Molded Notch V-Belts

RPM of Faster Shaft	Basic Horsepower per Belt for Small Sheave Datum Diameter													
	4.00	4.20	4.40	4.60	5.00	5.20	5.40	5.60	6.00	6.40	6.80	7.40	8.60	9.40
725	3.22	3.43	3.64	3.85	4.26	4.47	4.67	4.88	5.28	5.67	6.06	6.64	7.77	8.50
870	3.69	3.93	4.18	4.42	4.90	5.14	5.38	5.61	6.07	6.53	6.98	7.65	8.94	9.77
950	3.94	4.20	4.46	4.73	5.24	5.50	5.75	6.00	6.50	6.98	7.47	8.17	9.55	10.4
1160	4.55	4.86	5.17	5.48	6.08	6.38	6.67	6.96	7.54	8.10	8.66	9.48	11.0	12.0
1425	5.26	5.63	5.99	6.34	7.05	7.39	7.73	8.07	8.74	9.39	10.0	11.0	12.7	13.8
1750	6.04	6.46	6.88	7.30	8.11	8.50	8.89	9.28	10.0	10.8	11.5	12.5	14.5	15.6
2850	8.02	8.59	9.15	9.69	10.7	11.2	11.7	12.2	13.1	13.9	14.7	15.7		
3450	8.69	9.30	9.89	10.5	11.5	12.0	12.5	13.0	13.8	14.5	15.2			
200	1.16	1.23	1.30	1.37	1.51	1.58	1.65	1.72	1.86	1.99	2.13	2.32	2.72	2.97
400	2.03	2.16	2.28	2.41	2.66	2.79	2.91	3.04	3.29	3.53	3.77	4.13	4.83	5.29
600	2.78	2.96	3.14	3.32	3.68	3.86	4.03	4.20	4.55	4.89	5.22	5.72	6.69	7.33
800	3.46	3.69	3.92	4.15	4.60	4.82	5.04	5.26	5.70	6.12	6.55	7.17	8.38	9.17
1000	4.09	4.36	4.64	4.91	5.45	5.71	5.98	6.24	6.75	7.26	7.76	8.50	9.92	10.8
1200	4.66	4.98	5.30	5.61	6.23	6.54	6.84	7.14	7.73	8.31	8.88	9.71	11.3	12.3
1400	5.20	5.56	5.91	6.26	6.96	7.30	7.64	7.97	8.63	9.27	9.90	10.8	12.6	13.7
1600	5.69	6.09	6.48	6.87	7.63	8.01	8.38	8.74	9.46	10.2	10.8	11.8	13.7	14.9
1800	6.15	6.58	7.01	7.43	8.26	8.66	9.06	9.45	10.2	11.0	11.7	12.7	14.7	15.9
2000	6.58	7.04	7.50	7.95	8.83	9.26	9.69	10.1	10.9	11.7	12.5	13.5	15.5	16.7
2200	6.97	7.46	7.95	8.43	9.36	9.81	10.3	10.7	11.5	12.4	13.1	14.2	16.2	17.4
2400	7.33	7.85	8.36	8.86	9.84	10.3	10.8	11.2	12.1	12.9	13.7	14.8	16.8	17.8
2600	7.65	8.20	8.73	9.26	10.3	10.8	11.2	11.7	12.6	13.4	14.2	15.3	17.1	
2800	7.95	8.52	9.07	9.61	10.6	11.1	11.6	12.1	13.0	13.8	14.6	15.7		
3000	8.21	8.80	9.37	9.92	11.0	11.5	12.0	12.4	13.3	14.2	14.9	15.9		
3200	8.44	9.04	9.62	10.2	11.3	11.8	12.2	12.7	13.6	14.4	15.1	16.0		
3400	8.64	9.25	9.84	10.4	11.5	12.0	12.5	12.9	13.8	14.5	15.2			
3600	8.81	9.42	10.0	10.6	11.7	12.1	12.6	13.1	13.9	14.6				
3800	8.94	9.56	10.2	10.7	11.8	12.3	12.7	13.1	13.9					
4000	9.04	9.66	10.2	10.8	11.8	12.3	12.7	13.1						
4200	9.10	9.72	10.3	10.8	11.8	12.3	12.7							
4400	9.13	9.73	10.3	10.8	11.8	12.2								
4600	9.12	9.71	10.3	10.8	11.7									
4800	9.07	9.65	10.2	10.7										
5000	8.99	9.54	10.0	10.5										
5200	8.86	9.39	9.86											
5400	8.70	9.20												
5600	8.49													

Drives for rpm-diameter combinations where no horsepower is shown may be practical if all conditions are known. See your local Gates representative.

RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	1.00 to 1.02	1.03 to 1.07	1.08 to 1.13	1.14 to 1.21	1.22 to 1.30	1.31 to 1.44	1.45 to 1.64	1.65 to 2.01	2.02 to 3.00	3.01 and over
725	0.00	0.05	0.09	0.14	0.19	0.23	0.28	0.33	0.37	0.42
870	0.00	0.06	0.11	0.17	0.22	0.28	0.33	0.39	0.45	0.50
950	0.00	0.06	0.12	0.18	0.24	0.30	0.37	0.43	0.49	0.55
1160	0.00	0.07	0.15	0.22	0.30	0.37	0.45	0.52	0.59	0.67
1425	0.00	0.09	0.18	0.27	0.37	0.46	0.55	0.64	0.73	0.82
1750	0.00	0.11	0.22	0.34	0.45	0.56	0.67	0.79	0.90	1.01
2850	0.00	0.18	0.37	0.55	0.73	0.91	1.10	1.28	1.46	1.64
3450	0.00	0.22	0.44	0.66	0.88	1.11	1.33	1.55	1.77	1.99
200	0.00	0.01	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.12
400	0.00	0.03	0.05	0.08	0.10	0.13	0.15	0.18	0.21	0.23
600	0.00	0.04	0.08	0.12	0.15	0.19	0.23	0.27	0.31	0.35
800	0.00	0.05	0.10	0.15	0.21	0.26	0.31	0.36	0.41	0.46
1000	0.00	0.06	0.13	0.19	0.26	0.32	0.38	0.45	0.51	0.58
1200	0.00	0.08	0.15	0.23	0.31	0.38	0.46	0.54	0.62	0.69
1400	0.00	0.09	0.18	0.27	0.36	0.45	0.54	0.63	0.72	0.81
1600	0.00	0.10	0.21	0.31	0.41	0.51	0.62	0.72	0.82	0.92
1800	0.00	0.12	0.23	0.35	0.46	0.58	0.69	0.81	0.92	1.04
2000	0.00	0.13	0.26	0.38	0.51	0.64	0.77	0.90	1.03	1.15
2200	0.00	0.14	0.28	0.42	0.56	0.71	0.85	0.99	1.13	1.27
2400	0.00	0.15	0.31	0.46	0.62	0.77	0.92	1.08	1.23	1.38
2600	0.00	0.17	0.33	0.50	0.67	0.83	1.00	1.17	1.33	1.50
2800	0.00	0.18	0.36	0.54	0.72	0.90	1.08	1.26	1.44	1.62
3000	0.00	0.19	0.38	0.58	0.77	0.96	1.15	1.35	1.54	1.73
3200	0.00	0.21	0.41	0.62	0.82	1.03	1.23	1.44	1.64	1.85
3400	0.00	0.22	0.44	0.65	0.87	1.09	1.31	1.53	1.74	1.96
3600	0.00	0.23	0.46	0.69	0.92	1.15	1.38	1.62	1.85	2.08
3800	0.00	0.24	0.49	0.73	0.97	1.22	1.46	1.70	1.95	2.19
4000	0.00	0.26	0.51	0.77	1.03	1.28	1.54	1.79	2.05	2.31
4200	0.00	0.27	0.54	0.81	1.08	1.35	1.61	1.88	2.15	2.42
4400	0.00	0.28	0.56	0.85	1.13	1.41	1.69	1.97	2.26	2.54
4600	0.00	0.30	0.59	0.88	1.18	1.47	1.77	2.06	2.36	2.65
4800	0.00	0.31	0.62	0.92	1.23	1.54	1.85	2.15	2.46	2.77
5000	0.00	0.32	0.64	0.96	1.28	1.60	1.92	2.24	2.56	2.88
5200	0.00	0.33	0.67	1.00	1.33	1.67	2.00	2.33	2.67	3.00
5400	0.00	0.35	0.69	1.04	1.38	1.73	2.08	2.42	2.77	3.12
5600	0.00	0.36	0.72	1.08	1.44	1.80	2.15	2.51	2.87	3.23

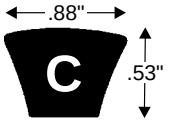

Table No. 22 Rated Horsepower per Belt

For C Section Hi-Power® II V-Belts and Hi-Power II PowerBand® Belts

RPM of Faster Shaft	Basic Horsepower per Belt for Small Sheave Datum Diameter												
	*7.00	*7.50	*8.00	*8.50	9.00	9.50	10.00	10.50	11.00	12.00	13.00	14.00	16.00
575	5.86	6.70	7.52	8.34	9.15	9.96	10.8	11.6	12.3	13.9	15.4	16.9	19.9
690	6.73	7.71	8.67	9.63	10.6	11.5	12.4	13.4	14.3	16.1	17.8	19.5	22.9
725	6.99	8.00	9.01	10.0	11.0	12.0	12.9	13.9	14.8	16.7	18.5	20.3	23.7
870	7.98	9.16	10.3	11.5	12.6	13.7	14.9	15.9	17.0	19.1	21.2	23.2	27.0
950	8.48	9.75	11.0	12.2	13.5	14.7	15.8	17.0	18.2	20.4	22.6	24.7	28.6
1160	9.69	11.2	12.6	14.1	15.5	16.8	18.2	19.5	20.8	23.3	25.6	27.9	32.0
1425	11.0	12.7	14.3	15.9	17.5	19.1	20.5	22.0	23.4	26.0	28.4	30.7	34.4
1750	12.1	14.0	15.8	17.6	19.3	20.9	22.5	24.0	25.3	27.9	30.0		
100	1.41	1.58	1.75	1.92	2.09	2.26	2.43	2.60	2.76	3.10	3.43	3.75	4.40
200	2.51	2.84	3.16	3.48	3.80	4.12	4.43	4.75	5.06	5.68	6.30	6.91	8.12
300	3.50	3.97	4.44	4.90	5.36	5.81	6.27	6.72	7.17	8.06	8.95	9.82	11.5
400	4.41	5.02	5.62	6.22	6.81	7.40	7.99	8.57	9.15	10.3	11.4	12.5	14.8
500	5.26	6.00	6.73	7.46	8.18	8.89	9.60	10.3	11.0	12.4	13.8	15.1	17.7
600	6.06	6.92	7.78	8.63	9.47	10.3	11.1	12.0	12.8	14.4	16.0	17.5	20.5
700	6.81	7.79	8.77	9.74	10.7	11.6	12.6	13.5	14.4	16.2	18.0	19.8	23.1
800	7.51	8.61	9.70	10.8	11.8	12.9	13.9	15.0	16.0	18.0	19.9	21.8	25.5
900	8.17	9.38	10.6	11.8	12.9	14.1	15.2	16.4	17.5	19.6	21.7	23.8	27.6
1000	8.79	10.1	11.4	12.7	14.0	15.2	16.4	17.6	18.8	21.1	23.4	25.5	29.5
1100	9.37	10.8	12.2	13.6	14.9	16.2	17.5	18.8	20.1	22.5	24.8	27.0	31.1
1200	9.90	11.4	12.9	14.4	15.8	17.2	18.6	19.9	21.2	23.8	26.1	28.4	32.5
1300	10.4	12.0	13.6	15.1	16.6	18.1	19.5	20.9	22.3	24.9	27.3	29.5	33.5
1400	10.8	12.5	14.2	15.8	17.3	18.9	20.3	21.8	23.2	25.8	28.2	30.5	34.2
1500	11.3	13.0	14.7	16.4	18.0	19.6	21.1	22.6	24.0	26.6	29.0	31.2	34.6
1600	11.6	13.4	15.2	16.9	18.6	20.2	21.7	23.2	24.6	27.2	29.6	31.6	
1700	11.9	13.8	15.7	17.4	19.1	20.7	22.3	23.7	25.1	27.7	29.9	31.8	
1800	12.2	14.2	16.0	17.8	19.5	21.1	22.7	24.1	25.5	28.0	30.0		
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			
2100	12.7	14.8	16.7	18.5	20.2	21.8	23.2	24.6	25.7				
2200	12.8	14.9	16.8	18.6	20.3	21.8	23.2	24.4					
2300	12.8	14.9	16.8	18.6	20.2	21.7	23.0						
2400	12.8	14.9	16.8	18.5	20.1	21.4							
2500	12.7	14.8	16.6	18.3	19.8	21.1							
2600	12.6	14.6	16.4	18.0	19.4								
2700	12.4	14.3	16.1	17.6									
2800	12.1	14.0	15.7										
2900	11.8	13.6	15.2										
3000	11.4	13.1											
3100	10.9	12.6											
3200	10.4												
3300	9.78												

Drives for rpm-diameter combinations where no horsepower is shown may be practical if all conditions are known. See your local Gates representative.

RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	1.00 to 1.01	1.02 to 1.03	1.04 to 1.06	1.07 to 1.08	1.09 to 1.12	1.13 to 1.16	1.17 to 1.22	1.23 to 1.32	1.33 to 1.50	1.51 and over
575	0.00	0.07	0.15	0.23	0.30	0.37	0.45	0.52	0.60	0.67
690	0.00	0.09	0.18	0.27	0.36	0.45	0.54	0.63	0.72	0.81
725	0.00	0.09	0.19	0.28	0.38	0.47	0.57	0.66	0.76	0.85
870	0.00	0.11	0.23	0.34	0.45	0.57	0.68	0.79	0.91	1.02
950	0.00	0.12	0.25	0.37	0.49	0.62	0.74	0.87	0.99	1.11
1160	0.00	0.15	0.30	0.45	0.60	0.76	0.91	1.06	1.21	1.36
1425	0.00	0.19	0.37	0.56	0.74	0.93	1.11	1.30	1.49	1.67
1750	0.00	0.23	0.46	0.69	0.91	1.14	1.37	1.59	1.82	2.05
100	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.09	0.10	0.12
200	0.00	0.03	0.05	0.08	0.10	0.13	0.16	0.18	0.21	0.23
300	0.00	0.04	0.08	0.12	0.16	0.20	0.23	0.27	0.31	0.35
400	0.00	0.05	0.10	0.16	0.21	0.26	0.31	0.36	0.42	0.47
500	0.00	0.07	0.13	0.20	0.26	0.33	0.39	0.46	0.52	0.59
600	0.00	0.08	0.16	0.23	0.31	0.39	0.47	0.55	0.63	0.70
700	0.00	0.09	0.18	0.27	0.36	0.46	0.55	0.64	0.73	0.82
800	0.00	0.10	0.21	0.31	0.42	0.52	0.63	0.73	0.83	0.94
900	0.00	0.12	0.23	0.35	0.47	0.59	0.70	0.82	0.94	1.05
1000	0.00	0.13	0.26	0.39	0.52	0.65	0.78	0.91	1.04	1.17
1100	0.00	0.14	0.29	0.43	0.57	0.72	0.86	1.00	1.15	1.29
1200	0.00	0.16	0.31	0.47	0.62	0.78	0.94	1.09	1.25	1.41
1300	0.00	0.17	0.34	0.51	0.68	0.85	1.02	1.18	1.35	1.52
1400	0.00	0.18	0.37	0.55	0.73	0.91	1.09	1.28	1.46	1.64
1500	0.00	0.20	0.39	0.59	0.78	0.98	1.17	1.37	1.56	1.76
1600	0.00	0.21	0.42	0.63	0.83	1.04	1.25	1.46	1.67	1.88
1700	0.00	0.22	0.44	0.67	0.89	1.11	1.33	1.55	1.77	1.99
1800	0.00	0.23	0.47	0.70	0.94	1.17	1.41	1.64	1.88	2.11
1900	0.00	0.25	0.50	0.74	0.99	1.24	1.49	1.73	1.98	2.23
2000	0.00	0.26	0.52	0.78	1.04	1.30	1.56	1.82	2.08	2.34
2100	0.00	0.27	0.55	0.82	1.09	1.37	1.64	1.91	2.19	2.46
2200	0.00	0.29	0.57	0.86	1.15	1.43	1.72	2.00	2.29	2.58
2300	0.00	0.30	0.60	0.90	1.20	1.50	1.80	2.10	2.40	2.70
2400	0.00	0.31	0.63	0.94	1.25	1.56	1.88	2.19	2.50	2.81
2500	0.00	0.33	0.65	0.98	1.30	1.63	1.95	2.28	2.61	2.93
2600	0.00	0.34	0.68	1.02	1.35	1.69	2.03	2.37	2.71	3.05
2700	0.00	0.35	0.70	1.06	1.41	1.76	2.11	2.46	2.81	3.16
2800	0.00	0.36	0.73	1.10	1.46	1.82	2.19	2.55	2.92	3.28
2900	0.00	0.38	0.76	1.14	1.51	1.89	2.27	2.64	3.02	3.40
3000	0.00	0.39	0.78	1.17	1.56	1.95	2.35	2.73	3.13	3.52
3100	0.00	0.40	0.81	1.21	1.61	2.02	2.42	2.82	3.23	3.63
3200	0.00	0.42	0.83	1.25	1.67	2.08	2.50	2.92	3.34	3.75
3300	0.00	0.43	0.86	1.29	1.72	2.15	2.58	3.01	3.44	3.87

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

Click Here for Single Page View

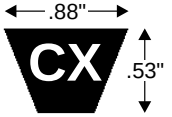

Table No. 23 Rated Horsepower per Belt For CX Section Tri-Power® Molded Notch V-Belts

RPM of Faster Shaft	Basic Horsepower per Belt for Small Sheave Datum Diameter												
	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	12.00	13.00	14.00	16.00
575	8.10	8.75	9.40	10.0	10.7	11.3	11.9	12.5	13.1	14.3	15.5	16.6	18.9
690	9.35	10.1	10.9	11.6	12.3	13.1	13.8	14.5	15.2	16.5	17.9	19.2	21.6
725	9.72	10.5	11.3	12.1	12.8	13.6	14.3	15.0	15.8	17.2	18.5	19.9	22.4
870	11.2	12.1	13.0	13.9	14.7	15.6	16.4	17.3	18.1	19.7	21.2	22.7	25.5
950	12.0	12.9	13.9	14.8	15.8	16.7	17.6	18.4	19.3	21.0	22.6	24.1	27.0
1160	13.9	15.0	16.1	17.2	18.2	19.2	20.3	21.2	22.2	24.0	25.8	27.4	30.4
1425	16.1	17.3	18.6	19.8	20.9	22.1	23.2	24.2	25.3	27.2	29.0	30.6	33.3
1750	18.4	19.8	21.1	22.4	23.7	24.9	26.0	27.1	28.1	30.0	31.5		
100	1.89	2.03	2.18	2.33	2.47	2.61	2.76	2.90	3.04	3.32	3.59	3.86	4.40
200	3.40	3.67	3.94	4.20	4.46	4.72	4.98	5.24	5.49	6.00	6.50	6.99	7.96
300	4.77	5.15	5.53	5.90	6.27	6.64	7.00	7.36	7.72	8.43	9.13	9.82	11.2
400	6.04	6.52	7.01	7.48	7.95	8.42	8.88	9.34	9.80	10.7	11.6	12.4	14.2
500	7.24	7.82	8.40	8.97	9.54	10.1	10.7	11.2	11.7	12.8	13.9	14.9	16.9
600	8.38	9.05	9.72	10.4	11.0	11.7	12.3	13.0	13.6	14.8	16.0	17.2	19.5
700	9.46	10.2	11.0	11.7	12.5	13.2	13.9	14.6	15.3	16.7	18.1	19.4	21.9
800	10.5	11.4	12.2	13.0	13.8	14.6	15.4	16.2	17.0	18.5	20.0	21.4	24.1
900	11.5	12.4	13.3	14.2	15.1	16.0	16.9	17.7	18.5	20.2	21.7	23.2	26.1
1000	12.4	13.5	14.4	15.4	16.4	17.3	18.2	19.1	20.0	21.7	23.4	25.0	27.9
1100	13.4	14.4	15.5	16.5	17.5	18.5	19.5	20.5	21.4	23.2	24.9	26.6	29.6
1200	14.2	15.4	16.5	17.6	18.7	19.7	20.7	21.7	22.7	24.6	26.3	28.0	31.0
1300	15.1	16.3	17.4	18.6	19.7	20.8	21.9	22.9	23.9	25.8	27.6	29.3	32.2
1400	15.9	17.1	18.4	19.5	20.7	21.8	22.9	24.0	25.0	26.9	28.7	30.4	33.1
1500	16.6	17.9	19.2	20.4	21.6	22.8	23.9	25.0	26.0	28.0	29.7	31.3	33.9
1600	17.3	18.7	20.0	21.3	22.5	23.7	24.8	25.9	26.9	28.9	30.6	32.1	
1700	18.0	19.4	20.8	22.1	23.3	24.5	25.6	26.7	27.8	29.6	31.3	32.6	
1800	18.7	20.1	21.5	22.8	24.1	25.3	26.4	27.5	28.5	30.3	31.8		
1900	19.3	20.7	22.1	23.5	24.7	25.9	27.0	28.1	29.1	30.8			
2000	19.9	21.3	22.7	24.1	25.3	26.5	27.6	28.6	29.6	31.1			
2100	20.4	21.9	23.3	24.6	25.9	27.0	28.1	29.1	29.9				
2200	20.9	22.4	23.8	25.1	26.3	27.5	28.5	29.4					
2300	21.3	22.8	24.2	25.5	26.7	27.8	28.8						
2400	21.7	23.2	24.6	25.9	27.0	28.1							
2500	22.1	23.6	25.0	26.2	27.3	28.2							
2600	22.4	23.9	25.2	26.4	27.4								
2700	22.7	24.1	25.4	26.6									
2800	22.9	24.3	25.6										
2900	23.1	24.5	25.7										
3000	23.3	24.6											
3100	23.4	24.6											
3200	23.4												
3300	23.4												

Drives for rpm-diameter combinations where no horsepower is shown may be practical if all conditions are known. See your local Gates representative.

RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	1.00 to 1.02	1.03 to 1.07	1.08 to 1.13	1.14 to 1.21	1.22 to 1.30	1.31 to 1.44	1.45 to 1.64	1.65 to 2.01	2.02 to 3.00	3.01 and over
575	0.00	0.07	0.14	0.21	0.28	0.35	0.42	0.49	0.55	0.62
690	0.00	0.08	0.17	0.25	0.33	0.42	0.50	0.58	0.67	0.75
725	0.00	0.09	0.17	0.26	0.35	0.44	0.52	0.61	0.70	0.79
870	0.00	0.11	0.21	0.31	0.42	0.52	0.63	0.73	0.84	0.94
950	0.00	0.11	0.23	0.34	0.46	0.57	0.69	0.80	0.92	1.03
1160	0.00	0.14	0.28	0.42	0.56	0.70	0.84	0.98	1.12	1.26
1425	0.00	0.17	0.34	0.52	0.69	0.86	1.03	1.20	1.37	1.55
1750	0.00	0.21	0.42	0.63	0.84	1.06	1.27	1.48	1.69	1.90
100	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.10	0.11
200	0.00	0.02	0.05	0.07	0.10	0.12	0.14	0.17	0.19	0.22
300	0.00	0.04	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.33
400	0.00	0.05	0.10	0.14	0.19	0.24	0.29	0.34	0.39	0.43
500	0.00	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
600	0.00	0.07	0.14	0.22	0.29	0.36	0.43	0.51	0.58	0.65
700	0.00	0.08	0.17	0.25	0.34	0.42	0.51	0.59	0.68	0.76
800	0.00	0.10	0.19	0.29	0.39	0.48	0.58	0.68	0.77	0.87
900	0.00	0.11	0.22	0.33	0.43	0.54	0.65	0.76	0.87	0.98
1000	0.00	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.96	1.09
1100	0.00	0.13	0.27	0.40	0.53	0.66	0.80	0.93	1.06	1.19
1200	0.00	0.14	0.29	0.43	0.58	0.72	0.87	1.01	1.16	1.30
1300	0.00	0.16	0.31	0.47	0.63	0.78	0.94	1.10	1.25	1.41
1400	0.00	0.17	0.34	0.51	0.67	0.84	1.01	1.18	1.35	1.52
1500	0.00	0.18	0.36	0.54	0.72	0.90	1.09	1.27	1.45	1.63
1600	0.00	0.19	0.39	0.58	0.77	0.96	1.16	1.35	1.54	1.74
1700	0.00	0.21	0.41	0.62	0.82	1.03	1.23	1.43	1.64	1.85
1800	0.00	0.22	0.43	0.65	0.87	1.09	1.30	1.52	1.74	1.95
1900	0.00	0.23	0.46	0.69	0.92	1.15	1.37	1.60	1.83	2.06
2000	0.00	0.24	0.48	0.72	0.96	1.21	1.45	1.69	1.93	2.17
2100	0.00	0.25	0.51	0.76	1.01	1.27	1.52	1.77	2.03	2.28
2200	0.00	0.27	0.53	0.80	1.06	1.33	1.59	1.86	2.12	2.39
2300	0.00	0.28	0.56	0.83	1.11	1.39	1.66	1.94	2.22	2.50
2400	0.00	0.29	0.58	0.87	1.16	1.45	1.74	2.03	2.31	2.60
2500	0.00	0.30	0.60	0.90	1.21	1.51	1.81	2.11	2.41	2.71
2600	0.00	0.31	0.63	0.94	1.25	1.57	1.88	2.19	2.51	2.82
2700	0.00	0.33	0.65	0.98	1.30	1.63	1.95	2.28	2.60	2.93
2800	0.00	0.34	0.68	1.01	1.35	1.69	2.03	2.36	2.70	3.04
2900	0.00	0.35	0.70	1.05	1.40	1.75	2.10	2.45	2.80	3.15
3000	0.00	0.36	0.72	1.09	1.45	1.81	2.17	2.53	2.89	3.26
3100	0.00	0.37	0.75	1.12	1.49	1.87	2.24	2.62	2.99	3.36
3200	0.00	0.39	0.77	1.16	1.54	1.93	2.31	2.70	3.09	3.47
3300	0.00	0.40	0.80	1.19	1.59	1.99	2.39	2.79	3.18	3.58

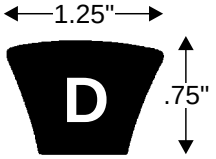

Table No. 24 Rated Horsepower per Belt

For D Section Hi-Power® II V-Belts and Hi-Power II PowerBand® Belts

RPM of Faster Shaft	Basic Horsepower per Belt for Small Sheave Datum Diameter								
	13.00	13.50	14.00	14.50	15.00	15.50	16.00	18.00	22.00
435	17.3	18.4	19.5	20.6	21.7	22.8	23.9	28.2	36.5
485	18.8	20.0	21.3	22.5	23.7	24.9	26.1	30.8	39.7
575	21.4	22.8	24.2	25.6	27.0	28.3	29.7	35.0	44.9
690	24.4	26.0	27.6	29.2	30.8	32.3	33.8	39.7	50.6
725	25.2	26.9	28.6	30.2	31.8	33.4	35.0	41.0	52.1
870	28.4	30.3	32.1	33.9	35.7	37.4	39.2	45.7	57.1
950	29.9	31.8	33.8	35.6	37.5	39.3	41.1	47.7	58.8
1160	32.8	34.9	37.0	38.9	40.8	42.7	44.5	50.8	
50	2.78	2.95	3.11	3.27	3.43	3.59	3.75	4.38	5.63
100	5.08	5.38	5.69	5.99	6.29	6.59	6.89	8.09	10.4
150	7.18	7.62	8.06	8.50	8.94	9.37	9.80	11.5	14.9
200	9.16	9.73	10.3	10.9	11.4	12.0	12.6	14.8	19.1
250	11.0	11.7	12.4	13.1	13.8	14.5	15.2	17.9	23.2
300	12.8	13.6	14.5	15.3	16.1	16.9	17.7	20.8	27.0
350	14.5	15.5	16.4	17.3	18.3	19.2	20.1	23.7	30.7
400	16.2	17.2	18.3	19.3	20.3	21.4	22.4	26.4	34.2
450	17.8	18.9	20.1	21.2	22.3	23.5	24.6	29.0	37.5
500	19.3	20.5	21.8	23.0	24.3	25.5	26.7	31.5	40.6
550	20.7	22.1	23.4	24.8	26.1	27.4	28.7	33.8	43.5
600	22.1	23.5	25.0	26.4	27.8	29.2	30.6	36.1	46.3
650	23.4	24.9	26.5	28.0	29.5	31.0	32.4	38.2	48.8
700	24.6	26.3	27.9	29.5	31.1	32.6	34.2	40.1	51.1
750	25.8	27.5	29.2	30.9	32.5	34.2	35.8	41.9	53.1
800	26.9	28.7	30.5	32.2	33.9	35.6	37.3	43.6	55.0
850	28.0	29.8	31.7	33.4	35.2	36.9	38.6	45.1	56.5
900	29.0	30.9	32.7	34.6	36.4	38.2	39.9	46.5	57.8
950	29.9	31.8	33.8	35.6	37.5	39.3	41.1	47.7	58.8
1000	30.7	32.7	34.7	36.6	38.5	40.3	42.1	48.7	59.6
1050	31.4	33.5	35.5	37.4	39.3	41.2	43.0	49.6	60.0
1100	32.1	34.2	36.2	38.2	40.1	41.9	43.7	50.3	
1150	32.7	34.8	36.8	38.8	40.7	42.6	44.4	50.8	
1200	33.2	35.3	37.4	39.3	41.2	43.1	44.8	51.1	
1250	33.6	35.8	37.8	39.8	41.6	43.4	45.2	51.2	
1300	34.0	36.1	38.1	40.1	41.9	43.7	45.3	51.0	
1350	34.2	36.3	38.3	40.2	42.0	43.8	45.4		
1400	34.4	36.4	38.4	40.3	42.1	43.7	45.2		
1450	34.4	36.5	38.4	40.2	41.9	43.5	44.9		
1500	34.4	36.4	38.3	40.0	41.6	43.1			
1550	34.2	36.2	38.0	39.7	41.2				
1600	34.0	35.9	37.6	39.2					
1650	33.6	35.4	37.1						
1700	33.2	34.9	36.4						
1750	32.6	34.2							
1800	31.9								

Drives for rpm-diameter combinations where no horsepower is shown may be practical if all conditions are known. See your local Gates representative.

RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	1.00 to 1.01	1.02 to 1.03	1.04 to 1.06	1.07 to 1.08	1.09 to 1.12	1.13 to 1.16	1.17 to 1.22	1.23 to 1.32	1.33 to 1.50	1.51 and over
435	0.00	0.16	0.33	0.49	0.65	0.81	0.98	1.14	1.30	1.46
485	0.00	0.18	0.36	0.55	0.73	0.91	1.09	1.27	1.45	1.63
575	0.00	0.22	0.43	0.65	0.86	1.08	1.29	1.50	1.72	1.93
690	0.00	0.26	0.52	0.78	1.03	1.29	1.55	1.80	2.06	2.32
725	0.00	0.27	0.54	0.81	1.08	1.36	1.63	1.90	2.17	2.44
870	0.00	0.33	0.65	0.98	1.30	1.63	1.95	2.28	2.60	2.93
950	0.00	0.36	0.71	1.07	1.42	1.78	2.13	2.48	2.84	3.20
1160	0.00	0.43	0.87	1.30	1.73	2.17	2.60	3.03	3.47	3.90
50	0.00	0.02	0.04	0.06	0.07	0.09	0.11	0.13	0.15	0.17
100	0.00	0.04	0.07	0.11	0.15	0.19	0.22	0.26	0.30	0.34
150	0.00	0.06	0.11	0.17	0.22	0.28	0.34	0.39	0.45	0.50
200	0.00	0.07	0.15	0.22	0.30	0.37	0.45	0.52	0.60	0.67
250	0.00	0.09	0.19	0.28	0.37	0.47	0.56	0.65	0.75	0.84
300	0.00	0.11	0.22	0.34	0.45	0.56	0.67	0.78	0.90	1.01
350	0.00	0.13	0.26	0.39	0.52	0.65	0.79	0.92	1.05	1.18
400	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35
450	0.00	0.17	0.34	0.51	0.67	0.84	1.01	1.18	1.35	1.51
500	0.00	0.19	0.37	0.56	0.75	0.94	1.12	1.31	1.50	1.68
550	0.00	0.21	0.41	0.62	0.82	1.03	1.23	1.44	1.65	1.85
600	0.00	0.22	0.45	0.67	0.90	1.12	1.35	1.57	1.80	2.02
650	0.00	0.24	0.49	0.73	0.97	1.22	1.46	1.70	1.95	2.19
700	0.00	0.26	0.52	0.79	1.05	1.31	1.57	1.83	2.09	2.36
750	0.00	0.28	0.56	0.84	1.12	1.40	1.68	1.96	2.24	2.52
800	0.00	0.30	0.60	0.90	1.20	1.50	1.80	2.09	2.39	2.69
850	0.00	0.32	0.64	0.96	1.27	1.59	1.91	2.22	2.54	2.86
900	0.00	0.34	0.67	1.01	1.35	1.68	2.02	2.35	2.69	3.03
950	0.00	0.36	0.71	1.07	1.42	1.78	2.13	2.48	2.84	3.20
1000	0.00	0.37	0.75	1.12	1.50	1.87	2.24	2.62	2.99	3.36
1050	0.00	0.39	0.79	1.18	1.57	1.96	2.36	2.75	3.14	3.53
1100	0.00	0.41	0.82	1.24	1.64	2.06	2.47	2.88	3.29	3.70
1150	0.00	0.43	0.86	1.29	1.72	2.15	2.58	3.01	3.44	3.87
1200	0.00	0.45	0.90	1.35	1.79	2.24	2.69	3.14	3.59	4.04
1250	0.00	0.47	0.94	1.40	1.87	2.34	2.81	3.27	3.74	4.21
1300	0.00	0.49	0.97	1.46	1.94	2.43	2.92	3.40	3.89	4.37
1350	0.00	0.51	1.01	1.52	2.02	2.52	3.03	3.53	4.04	4.54
1400	0.00	0.52	1.05	1.57	2.09	2.62	3.14	3.66	4.19	4.71
1450	0.00	0.54	1.09	1.63	2.17	2.71	3.26	3.79	4.34	4.88
1500	0.00	0.56	1.12	1.69	2.24	2.81	3.37	3.92	4.49	5.05
1550	0.00	0.58	1.16	1.74	2.32	2.90	3.48	4.05	4.64	5.22
1600	0.00	0.60	1.20	1.80	2.39	2.99	3.59	4.19	4.79	5.38
1650	0.00	0.62	1.24	1.85	2.47	3.09	3.70	4.32	4.94	5.55
1700	0.00	0.64	1.27	1.91	2.54	3.18	3.82	4.45	5.09	5.72
1750	0.00	0.65	1.31	1.97	2.62	3.27	3.93	4.58	5.24	5.89
1800	0.00	0.67	1.35	2.02	2.69	3.37	4.04	4.71	5.39	6.06

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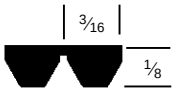

Drive Selection For 5M Polyflex® JB® Belts

Table No. 25

DriveN Speed For Motor Speed of			Sheave Outside Diameter Inches			Length Designation and Center Distance, Inches																								
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	5M 280	5M 290	5M 300	5M 307	5M 315	5M 325	5M 335	5M 345	5M 355	5M 365	5M 375	5M 387	5M 400	5M 412	5M 425	5M 437	5M 450	5M 462	5M 475	5M 487	5M 500	5M 515	5M 530	5M 545	5M 560	5M 580
1160	1750	3450	1.04	1.04	1.00	3.9	4.1	4.3	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.7	8.0	8.2	8.5	8.8	9.1	9.4	9.8
1160	1750	3450	1.10	1.10	1.00	3.8	4.0	4.2	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9	8.1	8.4	8.7	9.0	9.3	9.7
1160	1750	3450	1.17	1.17	1.00	3.7	3.9	4.1	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.8	8.0	8.3	8.6	8.9	9.2	9.6
1160	1750	3450	1.24	1.24	1.00	3.6	3.8	4.0	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.7	7.9	8.2	8.5	8.8	9.1	9.5
1160	1750	3450	1.32	1.32	1.00	3.4	3.6	3.8	4.0	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.8	8.1	8.4	8.7	8.9	9.3
1160	1750	3450	1.40	1.40	1.00	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.3	8.6	8.8	9.2
1160	1750	3450	1.48	1.48	1.00	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.8	8.1	8.4	8.7	9.1
1160	1750	3450	1.57	1.57	1.00	3.0	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.7	8.0	8.3	8.5	8.9
1160	1750	3450	1.67	1.67	1.00	2.9	3.1	3.3	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.8	8.1	8.4	8.8
1160	1750	3450	1.77	1.77	1.00	2.7	2.9	3.1	3.3	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.4	7.7	8.0	8.2	8.6
1160	1750	3450	1.87	1.87	1.00	2.6	2.8	3.0	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.5	7.8	8.1	8.5
1160	1750	3450	1.97	1.97	1.00	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.1	7.4	7.7	7.9	8.3
1105	1667	3286	1.87	1.97	1.05	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.4	7.7	8.0	8.4
1094	1651	3255	1.04	1.10	1.06	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.7	7.9	8.2	8.5	8.8	9.1	9.3	9.7
1094	1651	3255	1.10	1.17	1.06	3.7	3.9	4.1	4.3	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.8	8.1	8.4	8.7	9.0	9.2	9.6
1094	1651	3255	1.17	1.24	1.06	3.6	3.8	4.0	4.2	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.7	8.0	8.3	8.6	8.9	9.1	9.5
1094	1651	3255	1.24	1.32	1.06	3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.8	8.1	8.4	8.7	9.0	9.4
1094	1651	3255	1.32	1.40	1.06	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.7	8.0	8.3	8.6	8.9	9.3
1094	1651	3255	1.40	1.48	1.06	3.2	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.9	8.2	8.5	8.7	9.1
1094	1651	3255	1.48	1.57	1.06	3.1	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.8	8.1	8.4	8.6	9.0
1094	1651	3255	1.57	1.67	1.06	3.0	3.2	3.4	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.9	8.2	8.5	8.9
1094	1651	3255	1.67	1.77	1.06	2.8	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.7	8.0	8.3	8.7
1094	1651	3255	1.77	1.87	1.06	2.6	2.8	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.3	7.6	7.9	8.1	8.5
1045	1577	3108	1.77	1.97	1.11	2.6	2.8	3.0	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.5	7.8	8.1	8.5
1036	1563	3080	1.04	1.17	1.12	3.8	4.0	4.2	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9	8.1	8.4	8.7	9.0	9.3	9.7
1036	1563	3080	1.10	1.24	1.12	3.7	3.9	4.1	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.8	8.0	8.3	8.6	8.9	9.2	9.6
1036	1563	3080	1.17	1.32	1.12	3.5	3.7	3.9	4.1	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9	8.2	8.5	8.8	9.0	9.4
1036	1563	3080	1.32	1.48	1.12	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.3	8.6	8.8	9.2
1036	1563	3080	1.40	1.57	1.12	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.8	8.1	8.4	8.7	9.1
1036	1563	3080	1.57	1.77	1.12	2.9	3.1	3.3	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.8	8.1	8.4	8.8
1036	1563	3080	1.67	1.87	1.12	2.7	2.9	3.1	3.3	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.4	7.7	8.0	8.2	8.6
1027	1549	3053	1.24	1.40	1.13	3.4	3.6	3.8	4.0	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.8	8.1	8.4	8.7	8.9	9.3
1027	1549	3053	1.48	1.67	1.13	3.0	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.7	8.0	8.3	8.5	8.9
983	1483	2924	1.32	1.57	1.18	3.2	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.9	8.2	8.5	8.7	9.1
983	1483	2924	1.67	1.97	1.18	2.6	2.8	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.3	7.6	7.9	8.1	8.5
975	1471	2899	1.04	1.24	1.19	3.7	3.9	4.1	4.3	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.8	8.1	8.4	8.7	9.0	9.2	9.6
975	1471	2899	1.10	1.32	1.19	3.6	3.8	4.0	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.7	7.9	8.2	8.5	8.8	9.1	9.5
975	1471	2899	1.17	1.40	1.19	3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.8	8.1	8.4	8.7	9.0	9.4
975	1471	2899	1.24	1.48	1.19	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.7	8.0	8.3	8.6	8.9	9.3
975	1471	2899	1.40	1.67	1.19	3.1	3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.3	8.6	9.0
975	1471	2899	1.48	1.77	1.19	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.6	7.9	8.2	8.4	8.8
975	1471	2899	1.57	1.87	1.19	2.8	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.7	8.0	8.3	8.7
928	1400	2760	1.57	1.97	1.25	2.7	2.9	3.1	3.3	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.4	7.7	8.0	8.2	8.6
928	1400	2760	1.97	2.48	1.25						2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.6	4.9	5.1	5.4	5.6	5.9	6.1	6.4	6.7	7.0	7.3	7.5	7.9
921	1389	2738	1.04	1.32	1.26	3.6	3.8	4.0	4.2	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.7	8.0	8.3	8.6	8.9	9.1	9.5
921	1389	2738	1.10	1.40	1.26	3.5	3.7	3.9	4.1	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9	8.2	8.5	8.8	9.0	9.4
921	1389	2738	1.17	1.48	1.26	3.4	3.6	3.8	4.0	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.8	8.1	8.4	8.7	8.9	9.3
921	1389	2738	1.24	1.57	1.26	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9	8.2	8.5	8.8	9.2
921	1389	2738	1.32	1.67	1.26	3.1	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.8	8.1	8.4	8.7	9.1
921	1389	2738	1.40	1.77	1.26	3.0	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.7	8.0	8.3	8.5	8.9
921	1389	2738	1.48	1.87	1.26	2.9	3.1	3.3	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.8	8.1	8.4	8.8
879	1326	2614	1.48	1.97	1.32	2.8	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.7	8.0	8.3	8.7
879	1326	2614	1.87	2.48	1.32					2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.7	4.9	5.2	5.4	5.7	5.9	6.2	6.4	6.7	7.0	7.3	7.6	8.0
872	1316	2594	1.04	1.40	1.33	3.6	3.8	4.0	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.7	7.9	8.2	8.5	8.8	9.1	9.5
872	1316	2594	1.10	1.48	1.33	3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.8	8.1	8.4	8.7	9.0	9.4
872	1316	2594	1.17	1.57	1.33	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.3	8.6	8.8	9.2
872	1316	2594	1.32	1.77	1.33	3.1	3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.3	8.6	9.0
872	1316	2594	1.40	1.87	1.33	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.6	7.9	8.2	8.4	8.8
866	1306	2575	1.24	1.67	1.34	3.2	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.9	8.2	8.5	8.7	9.1
835	1259	2482	1.77	2.48	1.39					2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.5	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.1	7.4	7.7	8.1
829	1250	2464	1.40	1.97	1.40	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.5	7.8	8.1	8.3	8.7

Key to correction factors: 0.8 0.9 1.0 1.1

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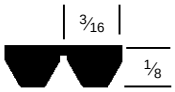
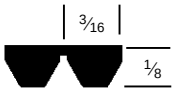


Length Designation and Center Distance, Inches

5M 600	5M 615	5M 630	5M 650	5M 670	5M 690	5M 710	5M 730	5M 750	5M 775	5M 800	5M 825	5M 850	5M 875	5M 900	5M 925	5M 950	5M 975	5M 1000	5M 1030	5M 1060	5M 1090	5M 1120	5M 1150	5M 1180	5M 1220	5M 1250	5M 1280	5M 1320	5M 1360	5M 1400	5M 1450	5M 1500	Speed Ratio
10.2	10.5	10.8	11.2	11.6	12.0	12.4	12.7	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.7	19.2	19.8	20.4	21.0	21.6	22.4	23.0	23.6	24.4	25.1	25.9	26.9	27.9	1.00
10.1	10.4	10.7	11.1	11.5	11.9	12.3	12.6	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.6	19.1	19.7	20.3	20.9	21.5	22.3	22.9	23.5	24.3	25.0	25.8	26.8	27.8	1.00
10.0	10.3	10.6	11.0	11.4	11.8	12.2	12.5	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.5	19.0	19.6	20.2	20.8	21.4	22.2	22.8	23.4	24.2	24.9	25.7	26.7	27.7	1.00
9.9	10.2	10.5	10.9	11.3	11.7	12.1	12.4	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.4	18.9	19.5	20.1	20.7	21.3	22.1	22.7	23.3	24.1	24.8	25.6	26.6	27.6	1.00
9.7	10.0	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.2	13.7	14.2	14.7	15.1	15.6	16.1	16.6	17.1	17.6	18.2	18.8	19.4	20.0	20.6	21.2	21.9	22.5	23.1	23.9	24.7	25.5	26.5	27.5	1.00
9.6	9.9	10.2	10.6	11.0	11.4	11.8	12.2	12.6	13.1	13.6	14.1	14.6	15.0	15.5	16.0	16.5	17.0	17.5	18.1	18.7	19.3	19.9	20.5	21.1	21.8	22.4	23.0	23.8	24.6	25.4	26.4	27.4	1.00
9.5	9.8	10.1	10.5	10.9	11.3	11.7	12.0	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	18.0	18.5	19.1	19.7	20.3	20.9	21.7	22.3	22.9	23.7	24.4	25.2	26.2	27.2	1.00
9.3	9.6	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.8	13.3	13.8	14.3	14.7	15.2	15.7	16.2	16.7	17.2	17.8	18.4	19.0	19.6	20.2	20.8	21.5	22.1	22.7	23.5	24.3	25.1	26.1	27.1	1.00
9.2	9.5	9.8	10.2	10.6	11.0	11.4	11.7	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.7	18.2	18.8	19.4	20.0	20.6	21.4	22.0	22.6	23.4	24.1	24.9	25.9	26.9	1.00
9.0	9.3	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.5	13.0	13.5	14.0	14.4	14.9	15.4	15.9	16.4	16.9	17.5	18.1	18.7	19.3	19.9	20.5	21.2	21.8	22.4	23.2	24.0	24.8	25.8	26.8	1.00
8.9	9.2	9.5	9.9	10.3	10.7	11.1	11.4	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.4	17.9	18.5	19.1	19.7	20.3	21.1	21.7	22.3	23.1	23.8	24.6	25.6	26.6	1.00
8.7	9.0	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.2	12.7	13.2	13.7	14.1	14.6	15.1	15.6	16.1	16.6	17.2	17.8	18.4	19.0	19.6	20.2	20.9	21.5	22.1	22.9	23.7	24.5	25.5	26.5	1.00
8.8	9.1	9.4	9.8	10.2	10.6	11.0	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.3	17.8	18.4	19.0	19.6	20.2	21.0	21.6	22.2	23.0	23.7	24.5	25.5	26.5	1.05
10.1	10.4	10.7	11.1	11.5	11.9	12.3	12.7	13.1	13.6	14.1	14.6	15.1	15.5	16.0	16.5	17.0	17.5	18.0	18.6	19.2	19.8	20.4	21.0	21.6	22.3	22.9	23.5	24.3	25.1	25.9	26.9	27.9	1.06
10.0	10.3	10.6	11.0	11.4	11.8	12.2	12.6	13.0	13.5	14.0	14.5	15.0	15.4	15.9	16.4	16.9	17.4	17.9	18.5	19.1	19.7	20.3	20.9	21.5	22.2	22.8	23.4	24.2	25.0	25.8	26.8	27.8	1.06
9.9	10.2	10.5	10.9	11.3	11.7	12.1	12.5	12.9	13.4	13.9	14.4	14.9	15.3	15.8	16.3	16.8	17.3	17.8	18.4	19.0	19.6	20.2	20.8	21.4	22.1	22.7	23.3	24.1	24.9	25.7	26.7	27.7	1.06
9.8	10.1	10.4	10.8	11.2	11.6	12.0	12.3	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.3	18.8	19.4	20.0	20.6	21.2	22.0	22.6	23.2	24.0	24.7	25.5	26.5	27.5	1.06
9.7	10.0	10.3	10.7	11.1	11.5	11.9	12.2	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.2	18.7	19.3	19.9	20.5	21.1	21.9	22.5	23.1	23.9	24.6	25.4	26.4	27.4	1.06
9.5	9.8	10.1	10.5	10.9	11.3	11.7	12.1	12.5	13.0	13.5	14.0	14.5	14.9	15.4	15.9	16.4	16.9	17.4	18.0	18.6	19.2	19.8	20.4	21.0	21.7	22.3	22.9	23.7	24.5	25.3	26.3	27.3	1.06
9.4	9.7	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.9	13.4	13.9	14.4	14.8	15.3	15.8	16.3	16.8	17.3	17.9	18.5	19.1	19.7	20.3	20.9	21.6	22.2	22.8	23.6	24.4	25.2	26.2	27.2	1.06
9.3	9.6	9.9	10.3	10.7	11.1	11.5	11.8	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.8	18.3	18.9	19.5	20.1	20.7	21.5	22.1	22.7	23.5	24.2	25.0	26.0	27.0	1.06
9.1	9.4	9.7	10.1	10.5	10.9	11.3	11.6	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.6	18.1	18.7	19.3	19.9	20.5	21.3	21.9	22.5	23.3	24.0	24.8	25.8	26.8	1.06
8.9	9.2	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.4	12.9	13.4	13.9	14.3	14.8	15.3	15.8	16.3	16.8	17.4	18.0	18.6	19.2	19.8	20.4	21.1	21.7	22.3	23.1	23.9	24.7	25.7	26.7	1.06
8.9	9.2	9.5	9.9	10.3	10.7	11.1	11.4	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.4	17.9	18.5	19.1	19.7	20.3	21.1	21.7	22.3	23.1	23.8	24.6	25.6	26.6	1.11
10.1	10.4	10.7	11.1	11.5	11.9	12.3	12.6	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.6	19.1	19.7	20.3	20.9	21.5	22.3	22.9	23.5	24.3	25.0	25.8	26.8	27.8	1.12
10.0	10.3	10.6	11.0	11.4	11.8	12.2	12.5	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.5	19.0	19.6	20.2	20.8	21.4	22.2	22.8	23.4	24.2	24.9	25.7	26.7	27.7	1.12
9.8	10.1	10.4	10.8	11.2	11.6	12.0	12.4	12.8	13.3	13.8	14.3	14.8	15.2	15.7	16.2	16.7	17.2	17.7	18.3	18.9	19.5	20.1	20.7	21.3	22.0	22.6	23.2	24.0	24.8	25.6	26.6	27.6	1.12
9.6	9.9	10.2	10.6	11.0	11.4	11.8	12.2	12.6	13.1	13.6	14.1	14.6	15.0	15.5	16.0	16.5	17.0	17.5	18.1	18.7	19.3	19.9	20.5	21.1	21.8	22.4	23.0	23.8	24.6	25.4	26.4	27.4	1.12
9.5	9.8	10.1	10.5	10.9	11.3	11.7	12.0	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	18.0	18.5	19.1	19.7	20.3	20.9	21.7	22.3	22.9	23.7	24.4	25.2	26.2	27.2	1.12
9.2	9.5	9.8	10.2	10.6	11.0	11.4	11.7	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.7	18.2	18.8	19.4	20.0	20.6	21.4	22.0	22.6	23.4	24.1	24.9	25.9	26.9	1.12
9.0	9.3	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.5	13.0	13.5	14.0	14.4	14.9	15.4	15.9	16.4	16.9	17.5	18.1	18.7	19.3	19.9	20.5	21.2	21.8	22.4	23.2	24.0	24.8	25.8	26.8	1.12
9.7	10.0	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.2	13.7	14.2	14.7	15.1	15.6	16.1	16.6	17.1	17.6	18.2	18.8	19.4	20.0	20.6	21.2	21.9	22.5	23.1	23.9	24.7	25.5	26.5	27.5	1.13
9.3	9.6	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.8	13.3	13.8	14.3	14.7	15.2	15.7	16.2	16.7	17.2	17.8	18.4	19.0	19.6	20.2	20.8	21.5	22.1	22.7	23.5	24.3	25.1	26.1	27.1	1.13
9.5	9.8	10.1	10.5	10.9	11.3	11.7	12.1	12.5	13.0	13.5	14.0	14.5	14.9	15.4	15.9	16.4	16.9	17.4	18.0	18.6	19.2	19.8	20.4	21.0	21.7	22.3	22.9	23.7	24.5	25.3	26.3	27.3	1.18
8.9	9.2	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.4	12.9	13.4	13.9	14.3	14.8	15.3	15.8	16.3	16.8	17.4	18.0	18.6	19.2	19.8	20.4	21.1	21.7	22.3	23.1	23.9	24.7	25.7	26.7	1.18
10.0	10.3	10.6	11.0	11.4	11.8	12.2	12.6	13.0	13.5	14.0	14.5	15.0	15.4	15.9	16.4	16.9	17.4	17.9	18.5	19.1	19.7	20.3	20.9	21.5	22.2	22.8	23.4	24.2	25.0	25.8	26.8	27.8	1.19
9.9	10.2	10.5	10.9	11.3	11.7	12.1	12.4	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.4	18.9	19.5	20.1	20.8	21.4	22.1	22.7	23.3	24.1	24.9	25.7	26.7	27.7	1.19
9.8	10.1	10.4	10.8	11.2	11.6	12.0	12.3	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.3	18.8	19.4	20.0	20.6	21.2	22.0	22.6	23.2	24.0	24.7	25.5	26.5	27.5	1.19
9.7	10.0	10.3	10.7	11.1	11.5	11.9	12.2	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.2	18.7	19.3	19.9	20.5	21.1	21.9	22.5	23.1	23.9	24.6	25.4	26.4	27.4	1.19
9.4	9.7	10.0	10.4	10.8	11.2	11.6	11.9	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.9	18.4	19.0	19.6	20.2	20.8	21.6	22.2	22.8	23.6	24.3	25.1	26.1	27.1	1.19
9.2	9.5	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.7	13.2	13.7	14.2	14.6	15.1	15.6	16.1	16.6	17.1	17.7	18.3	18.9	19.5	20.1	20.7	21.4	22.0	22.6	23.4	24.2	25.0	26.0	27.0	1.19
9.1	9.4	9.7	10.1	10.5	10.9	11.3	11.6	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.6	18.1	18.7	19.3	19.9	20.5	21.3	21.9	22.5	23.3	24.0	24.8	25.8	26.8	1.19
9.0	9.3	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.5	13.0	13.5	14.0	14.4	14.9	15.4	15.9	16.4	16.9	17.5	18.1	18.7	19.3	19.9	20.5	21.2	21.8	22.4	23.2	24.0	24.8	25.8	26.8	1.25
8.3	8.6	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.8	12.3	12.8	13.3	13.7	14.2	14.7	15.2	15.7	16.2	16.8	17.4	18.0	18.6	19.2	19.8	20.5	21.1	21.7	22.5	23.3	24.1	25.1	26.1	1.25
9.9	10.2	10.5	10.9	11.3	11.7	12.1	12.5	12.9	13.4	13.9	14.4	14.9	15.3	15.8	16.3	16.8	17.3	17.8	18.4	19.0	19.6	20.2	20.8	21.4	22.1	22.7	23.3	24.1	24.9	25.7	26.7	27.7	1.26
9.8	10.1	10.4	10.8	11.2	11.6	12.0	12.4	12.8	13.3	13.8	14.3	14.8	15.2	15.7	16.2	16.7	17.2	17.7	18.3	18.9	19.5	20.1	20.7	21.3	22.0	22.6	23.2	24.0	24.8	25.6	26.6	27.6	1.26
9.7	10.0	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.2	13.7	14.2	14.7	15.1	15.6	16.1	16.6	17.1	17.6	18.2	18.8	19.4	20.0	20.6	21.2	21.9	22.5	23.1	23.9	24.7	25.5	26.5	27.5	1.26
9.6	9.9	10.2	10.6	11.0	11.4	11.8	12.1	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.1	18.6	19.2	19.8	20.4	21.0	21.8	22.4	23.0	23.8	24.5	25.3	26.3	27.3	1.26
9.5	9.8	10.1	10.5	10.9	11.3	11.7	12.0	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	18.0	18.5	19.1	19.7	20.3	20.9	21.7	22.3	22.9	23.7	24.4	25.2	26.2	27.2	1.26
9.3	9.6	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.8	13.3	13.8	14.3	14.7	15.2	15.7	16.2	16.7	17.2	17.8	18.4	19.0	19.6	20.2	20.8	21.5	22.1	22.7	23.5	24.3	25.1	26.1	27.1	1.26
9.2	9.5	9.8	10.2	10.6	11.0	11.4	11.7	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.7	18.2	18.8	19.4	20.0	20.6	21.4	22.0	22.6	23.4	24.1	24.9	25.9	26.9	1.26
9.1	9.4	9.7	10.1	10.5	10.9	11.3	11.6	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.6	18.1	18.7	19.3	19.9	20.5	21.3	21.9	22.5	23.3	24.0	24.8	25.8	26.8	1.32
8.4	8.7	9.0	9.4	9.8	10.2	10.6	10.9	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.9	17.4	18.0	18.6	19.2	19.8	20.6	21.2	21.8	22.6	23.3	24.1	25.1	26.1	1.32
9.9	10.2	10.5	10.9	11.3	11.7	12.1	12.4	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.4	18.9	19.5	20.1	20.7	21.3	22.1	22.7	23.3	24.1	24.8	25.6	26.6	27.6	1.33
9.8	10.1	10.4	10.8	11.2	11.6	12.0	12.3	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7	18.3	18.8	19.4	20.0	20.6	21.2	22.0	22.6	23.2	24.0	24.7	25.5	26.5	27.5	1.33
9.6	9.9	10.2	10.6	11.0	11.4	11.8	12.2	12.6	13.1	13.6	14.1	14.6	15.0	15.5	16.0	16.5	17.0	17.5	18.1	18.7	19.3	19.9	20.5	21.1	21.8	22.4	23.0	23.8	24.6	25.4	26.4	27.4	1.33
9.4	9.7	10.0	10.4	10.8	11.2	11.6	11.9	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.9	18.4	19.0	19.6	20.2	20.8	21.6	22.2	22.8	23.6	24.3	25.1	26.1	27.1	1.33
9.2	9.5	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.7	13.2	13.7	14.2	14.6	15.1	15.6	16.1	16.6	17.1	17.7	18.3	18.9	19.5	20.1	20.7	21.4	22.0	22.6	23.4	24.2	25.0	26.0	27.0	1.33
9.5	9.8	10.1	10.5	10.9	11.3	11.7	12.1	12.5	13.0	13.5	14.0	14.5	14.9	15.4	15.9	16.4	16.9	17.4	18.0	18.6	19.2	19.8	20.4	21.0	21.7	22.3	22.9	23.7	24.5	25.3	26.3	27.3	1.34
8.5	8.8	9.1	9.5	9.9	10.3	10.7	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	17.0	17.5	18.1	18.7	19.3	19.9	20.7	21.3	21.9	22.7	23.4	24.2	25.2	26.2	1.39
9.2	9.5	9.8	10.2	10.6	11.0	11.4	11.7	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.7	18.2	18.8	19.4	20.0	20.6	21.4	22.0	22.6	23.4	24.1	24.9	25.9	26.9	1.40

Key to correction factors: 1.1 1.2 1.3



Drive Selection For 5M Polyflex® JB® Belts

Table No. 25

DriveN Speed For Motor Speed of			Sheave Outside Diameter Inches			Length Designation and Center Distance, Inches																							
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	5M 280	5M 290	5M 300	5M 307	5M 315	5M 325	5M 335	5M 345	5M 355	5M 365	5M 375	5M 387	5M 400	5M 412	5M 425	5M 437	5M 450	5M 462	5M 475	5M 487	5M 500	5M 515	5M 530	5M 545	5M 560	5M 580
823	1241	2447	1.04	1.48	1.41	3.5	3.7	3.9	4.1	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9	8.2	8.5	8.8	9.0	9.4
823	1241	2447	1.10	1.57	1.41	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.3	7.5	7.8	8.1	8.4	8.7	8.9	9.3
823	1241	2447	1.17	1.67	1.41	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9	8.2	8.5	8.8	9.2
823	1241	2447	1.32	1.87	1.41	3.0	3.2	3.4	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.9	8.2	8.5	8.9
817	1232	2430	1.24	1.77	1.42	3.1	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.8	8.1	8.4	8.6	9.0
784	1182	2331	1.32	1.97	1.48	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.6	7.9	8.2	8.4	8.8
784	1182	2331	1.67	2.48	1.48				2.8	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.6	4.8	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.9	7.2	7.5	7.7	8.1
779	1174	2315	1.04	1.57	1.49	3.4	3.6	3.8	4.0	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.8	8.1	8.4	8.7	8.9	9.3
779	1174	2315	1.24	1.87	1.49	3.0	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.3	8.6	9.0
773	1167	2300	1.10	1.67	1.50	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.3	8.6	8.8	9.2
773	1167	2300	1.17	1.77	1.50	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.8	8.1	8.4	8.7	9.1
739	1115	2197	1.24	1.97	1.57	3.0	3.2	3.4	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.9	8.2	8.5	8.9
739	1115	2197	1.57	2.48	1.57		2.5	2.7	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.9	5.2	5.4	5.7	5.9	6.2	6.4	6.7	7.0	7.3	7.6	7.8	8.2
734	1108	2184	1.17	1.87	1.58	3.1	3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.8	8.1	8.4	8.6	9.0
730	1101	2170	1.04	1.67	1.59	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.7	8.0	8.3	8.6	8.9	9.3
730	1101	2170	1.10	1.77	1.59	3.2	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.9	8.2	8.5	8.7	9.1
730	1101	2170	1.97	3.15	1.59										3.3	3.5	3.8	4.0	4.3	4.5	4.8	5.0	5.3	5.5	5.8	6.1	6.4	6.7	7.0	7.4
699	1054	2078	1.17	1.97	1.66	3.0	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.7	8.0	8.3	8.5	8.9
699	1054	2078	1.48	2.48	1.66		2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.3	7.6	7.9	8.3
695	1048	2066	1.87	3.15	1.67										3.2	3.4	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.4	5.6	5.9	6.2	6.5	6.8	7.0	7.4
690	1042	2054	1.04	1.77	1.68	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9	8.2	8.5	8.8	9.2
690	1042	2054	1.10	1.87	1.68	3.1	3.3	3.5	3.7	3.8	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.8	8.1	8.4	8.7	9.1
663	1000	1971	1.40	2.48	1.75	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.1	7.4	7.7	7.9	8.3
659	994	1960	1.77	3.15	1.76									3.1	3.3	3.5	3.7	3.9	4.2	4.4	4.7	4.9	5.2	5.4	5.7	5.9	6.2	6.6	6.9	7.1	7.5
655	989	1949	1.04	1.87	1.77	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.9	8.2	8.5	8.7	9.1
655	989	1949	1.10	1.97	1.77	3.1	3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.7	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.3	8.6	9.0
624	941	1855	1.32	2.48	1.86	2.4	2.7	2.9	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.4	7.7	8.0	8.4
620	936	1845	1.04	1.97	1.87	3.1	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.5	7.8	8.1	8.4	8.6	9.0
620	936	1845	1.67	3.15	1.87									3.1	3.3	3.5	3.7	4.0	4.3	4.5	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.6	6.9	7.2	7.6
589	888	1751	1.24	2.48	1.97	2.5	2.7	2.9	3.1	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.9	5.1	5.4	5.6	5.9	6.1	6.4	6.7	6.9	7.2	7.5	7.8	8.1	8.5
586	884	1742	1.57	3.15	1.98								3.0	3.2	3.4	3.6	3.8	4.1	4.3	4.6	4.8	5.1	5.3	5.6	5.8	6.1	6.4	6.7	7.0	7.3	7.7
586	884	1742	1.97	3.94	1.98															3.6	3.8	4.1	4.3	4.6	4.9	5.1	5.4	5.7	6.0	6.3	6.7
555	837	1651	1.17	2.48	2.09	2.6	2.8	3.0	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.7	5.9	6.2	6.5	6.7	7.0	7.3	7.6	7.9	8.1	8.5
555	837	1651	1.87	3.94	2.09															3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.5	5.8	6.1	6.4	6.8
552	833	1643	1.48	3.15	2.10								3.1	3.3	3.5	3.7	3.9	4.1	4.4	4.6	4.9	5.1	5.4	5.7	5.9	6.2	6.5	6.8	7.1	7.3	7.7
527	795	1568	1.77	3.94	2.20															3.7	4.0	4.2	4.5	4.7	5.0	5.3	5.6	5.9	6.2	6.4	6.8
523	788	1554	1.10	2.48	2.22	2.6	2.8	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	5.0	5.2	5.5	5.7	6.0	6.3	6.5	6.8	7.0	7.3	7.6	7.9	8.2	8.6
523	788	1554	1.40	3.15	2.22							2.9	3.1	3.3	3.5	3.7	3.9	4.2	4.4	4.7	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.8	7.1	7.4	7.8
498	751	1481	1.67	3.94	2.33														3.5	3.8	4.0	4.3	4.6	4.8	5.1	5.3	5.6	5.9	6.2	6.5	6.9
496	748	1474	1.04	2.48	2.34	2.6	2.8	3.1	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.1	7.4	7.7	8.0	8.2	8.6
494	745	1468	1.32	3.15	2.35							2.9	3.2	3.4	3.6	3.8	4.0	4.2	4.5	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.6	6.9	7.2	7.4	7.8
470	709	1397	1.97	4.92	2.47																					4.2	4.5	4.8	5.1	5.4	5.8
468	706	1391	1.57	3.94	2.48														3.6	3.8	4.1	4.4	4.6	4.9	5.1	5.4	5.7	6.0	6.3	6.6	7.0
464	700	1380	1.24	3.15	2.50						2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.3	4.6	4.8	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.9	7.2	7.5	7.9
446	673	1327	1.87	4.92	2.60																				4.0	4.2	4.6	4.9	5.2	5.5	5.9
443	668	1317	1.48	3.94	2.62													3.4	3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.5	5.8	6.1	6.4	6.6	7.0
439	663	1307	1.17	3.15	2.64						2.8	3.0	3.3	3.5	3.7	3.9	4.1	4.3	4.6	4.9	5.1	5.4	5.6	5.9	6.1	6.4	6.7	7.0	7.3	7.5	7.9
422	636	1255	1.77	4.92	2.75																				4.0	4.3	4.6	4.9	5.3	5.5	5.9
419	632	1245	1.40	3.94	2.77													3.4	3.7	4.0	4.2	4.5	4.7	5.0	5.3	5.5	5.8	6.1	6.4	6.7	7.1
413	623	1228	1.10	3.15	2.81						2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.4	4.7	4.9	5.2	5.4	5.7	5.9	6.2	6.4	6.7	7.0	7.3	7.6	8.0
399	601	1186	1.67	4.92	2.91																				4.1	4.4	4.7	5.0	5.3	5.6	6.0
396	597	1177	1.32	3.94	2.93													3.5	3.7	4.0	4.3	4.5	4.8	5.1	5.3	5.6	5.9	6.2	6.5	6.7	7.2
392	591	1166	1.04	3.15	2.96					2.7	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.7	4.9	5.2	5.5	5.7	6.0	6.2	6.5	6.8	7.1	7.4	7.6	8.0
375	566	1117	1.57	4.92	3.09																			3.9	4.2	4.4	4.8	5.1	5.4	5.7	6.1
372	561	1106	1.24	3.94	3.12												3.3	3.5	3.8	4.1	4.3	4.6	4.8	5.1	5.4	5.6	5.9	6.2	6.5	6.8	7.2
367	554	1092	1.97	6.30	3.16																										
355	535	1055	1.48	4.92	3.27																			4.0	4.2	4.5	4.8	5.1	5.5	5.7	6.1
352	530	1045	1.17	3.94	3.30												3.3	3.6	3.8	4.1	4.4	4.6	4.9	5.2	5.4	5.7	6.0	6.3	6.6	6.8	7.3
348	526	1036	1.87	6.30	3.33																										
336	507	1000	1.40	4.92	3.45																			4.0	4.3	4.5	4.9	5.2	5.5	5.8	6.2
331	500	986	1.10	3.94	3.50												3.3	3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.5	5.7	6.0	6.3	6.6	6.9	7.3
330	499	983	1.77	6.30	3.51																										
317	478	943	1.32	4.92	3.66																		3.8	4.1	4.3	4.6	4.9	5.2	5.6	5.8	6.2

Key to correction factors: 0.8 0.9 1.0

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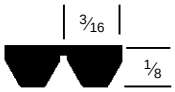

Length Designation and Center Distance, Inches

5M 600	5M 615	5M 630	5M 650	5M 670	5M 690	5M 710	5M 730	5M 750	5M 775	5M 800	5M 825	5M 850	5M 875	5M 900	5M 925	5M 950	5M 975	5M 1000	5M 1030	5M 1060	5M 1090	5M 1120	5M 1150	5M 1180	5M 1220	5M 1250	5M 1280	5M 1320	5M 1360	5M 1400	5M 1450	5M 1500	Speed Ratio
9.8	10.1	10.4	10.8	11.2	11.6	12.0	12.4	12.8	13.3	13.8	14.3	14.8	15.2	15.7	16.2	16.7	17.2	17.7	18.3	18.9	19.5	20.1	20.7	21.3	22.0	22.6	23.2	24.0	24.8	25.6	26.6	27.6	1.41
9.7	10.0	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.2	13.7	14.2	14.7	15.1	15.6	16.1	16.6	17.1	17.6	18.2	18.8	19.4	20.0	20.6	21.2	21.9	22.5	23.1	23.9	24.7	25.5	26.5	27.5	1.41
9.6	9.9	10.2	10.6	11.0	11.4	11.8	12.1	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.1	18.6	19.2	19.8	20.4	21.0	21.8	22.4	23.0	23.8	24.5	25.3	26.3	27.3	1.41
9.3	9.6	9.9	10.3	10.7	11.1	11.5	11.8	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.8	18.3	18.9	19.5	20.1	20.7	21.5	22.1	22.7	23.5	24.2	25.0	26.0	27.0	1.41
9.4	9.7	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.9	13.4	13.9	14.4	14.8	15.3	15.8	16.3	16.8	17.3	17.9	18.5	19.1	19.7	20.3	20.9	21.6	22.2	22.8	23.6	24.4	25.2	26.2	27.2	1.42
9.2	9.5	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.7	13.2	13.7	14.2	14.6	15.1	15.6	16.1	16.6	17.1	17.7	18.3	18.9	19.5	20.1	20.7	21.4	22.0	22.6	23.4	24.2	25.0	26.0	27.0	1.48
8.5	8.8	9.1	9.5	9.9	10.3	10.7	11.1	11.5	12.0	12.5	13.0	13.5	13.9	14.4	14.9	15.4	15.9	16.4	17.0	17.6	18.2	18.8	19.4	20.0	20.7	21.3	21.9	22.7	23.5	24.3	25.3	26.3	1.48
9.7	10.0	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.2	13.7	14.2	14.7	15.1	15.6	16.1	16.6	17.1	17.6	18.2	18.8	19.4	20.0	20.6	21.2	21.9	22.5	23.1	23.9	24.7	25.5	26.5	27.5	1.49
9.4	9.7	10.0	10.4	10.8	11.2	11.6	11.9	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.9	18.4	19.0	19.6	20.2	20.8	21.6	22.2	22.8	23.6	24.3	25.1	26.1	27.1	1.49
9.6	9.9	10.2	10.6	11.0	11.4	11.8	12.2	12.6	13.1	13.6	14.1	14.6	15.0	15.5	16.0	16.5	17.0	17.5	18.1	18.7	19.3	19.9	20.5	21.1	21.8	22.4	23.0	23.8	24.6	25.4	26.4	27.4	1.50
9.5	9.8	10.1	10.5	10.9	11.3	11.7	12.0	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	18.0	18.5	19.1	19.7	20.3	20.9	21.7	22.3	22.9	23.7	24.4	25.2	26.2	27.2	1.50
9.3	9.6	9.9	10.3	10.7	11.1	11.5	11.8	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.8	18.3	18.9	19.5	20.1	20.7	21.5	22.1	22.7	23.5	24.2	25.0	26.0	27.0	1.57
8.6	8.9	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.1	12.6	13.1	13.6	14.0	14.5	15.0	15.5	16.0	16.5	17.1	17.7	18.3	18.9	19.5	20.1	20.8	21.4	22.0	22.8	23.6	24.4	25.4	26.4	1.57
9.4	9.7	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.9	13.4	13.9	14.4	14.8	15.3	15.8	16.3	16.8	17.3	17.9	18.5	19.1	19.7	20.3	20.9	21.6	22.2	22.8	23.6	24.4	25.2	26.2	27.2	1.58
9.7	10.0	10.3	10.7	11.1	11.5	11.9	12.2	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.2	18.7	19.3	19.9	20.5	21.1	21.9	22.5	23.1	23.9	24.6	25.4	26.4	27.4	1.59
9.5	9.8	10.1	10.5	10.9	11.3	11.7	12.1	12.5	13.0	13.5	14.0	14.5	14.9	15.4	15.9	16.4	16.9	17.4	18.0	18.6	19.2	19.8	20.4	21.0	21.7	22.3	22.9	23.7	24.5	25.3	26.3	27.3	1.59
7.8	8.1	8.4	8.8	9.2	9.6	10.0	10.3	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.3	16.8	17.4	18.0	18.6	19.2	20.0	20.6	21.2	22.0	22.7	23.5	24.5	25.5	1.59
9.3	9.6	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.8	13.3	13.8	14.3	14.7	15.2	15.7	16.2	16.7	17.2	17.8	18.4	19.0	19.6	20.2	20.8	21.5	22.1	22.7	23.5	24.3	25.1	26.1	27.1	1.66
8.7	9.0	9.3	9.7	10.1	10.5	10.9	11.2	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.2	17.7	18.3	18.9	19.5	20.1	20.9	21.5	22.1	22.9	23.6	24.4	25.4	26.4	1.66
7.8	8.1	8.4	8.8	9.2	9.6	10.0	10.4	10.8	11.3	11.8	12.3	12.8	13.2	13.7	14.2	14.7	15.2	15.7	16.3	16.9	17.5	18.1	18.7	19.3	20.0	20.6	21.2	22.1	22.8	23.6	24.6	25.6	1.67
9.6	9.9	10.2	10.6	11.0	11.4	11.8	12.1	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.1	18.6	19.2	19.8	20.4	21.0	21.8	22.4	23.0	23.8	24.5	25.3	26.3	27.3	1.68
9.5	9.8	10.1	10.5	10.9	11.3	11.7	12.0	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	18.0	18.5	19.1	19.7	20.3	20.9	21.7	22.3	22.9	23.7	24.4	25.2	26.2	27.2	1.68
8.7	9.0	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.2	12.7	13.2	13.7	14.1	14.6	15.1	15.6	16.1	16.6	17.2	17.8	18.4	19.0	19.6	20.2	20.9	21.5	22.1	22.9	23.7	24.5	25.5	26.5	1.75
7.9	8.2	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.4	11.9	12.4	12.9	13.3	13.8	14.3	14.8	15.3	15.8	16.4	17.0	17.6	18.2	18.8	19.4	20.1	20.7	21.3	22.1	22.9	23.7	24.7	25.7	1.76
9.5	9.8	10.1	10.5	10.9	11.3	11.7	12.1	12.5	13.0	13.5	14.0	14.5	14.9	15.4	15.9	16.4	16.9	17.4	18.0	18.6	19.2	19.8	20.4	21.0	21.7	22.3	22.9	23.7	24.5	25.3	26.3	27.3	1.77
9.4	9.7	10.0	10.4	10.8	11.2	11.6	11.9	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.9	18.4	19.0	19.6	20.2	20.8	21.6	22.2	22.8	23.6	24.3	25.1	26.1	27.1	1.77
8.8	9.1	9.4	9.8	10.2	10.6	11.0	11.4	11.8	12.3	12.8	13.3	13.8	14.2	14.7	15.2	15.7	16.2	16.7	17.3	17.9	18.5	19.1	19.7	20.3	21.0	21.6	22.2	23.0	23.8	24.6	25.6	26.6	1.86
9.4	9.7	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.9	13.4	13.9	14.4	14.8	15.3	15.8	16.3	16.8	17.3	17.9	18.5	19.1	19.7	20.3	20.9	21.6	22.2	22.8	23.6	24.4	25.2	26.2	27.2	1.87
8.0	8.3	8.6	9.0	9.4	9.8	10.2	10.5	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.5	17.1	17.7	18.3	18.9	19.5	20.2	20.8	21.4	22.2	23.0	23.8	24.8	25.8	1.87
8.9	9.2	9.5	9.9	10.3	10.7	11.1	11.4	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.4	17.9	18.5	19.1	19.7	20.3	21.1	21.7	22.3	23.1	23.8	24.6	25.6	26.6	1.97
8.1	8.4	8.7	9.1	9.5	9.9	10.3	10.6	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.6	17.1	17.7	18.3	18.9	19.5	20.3	20.9	21.5	22.3	23.0	23.8	24.8	25.8	1.98
7.1	7.4	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.6	11.1	11.6	12.1	12.5	13.0	13.5	14.0	14.5	15.0	15.6	16.2	16.8	17.4	18.0	18.6	19.3	19.9	20.5	21.3	22.1	22.9	23.9	24.9	1.98
8.9	9.2	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.4	12.9	13.4	13.9	14.3	14.8	15.3	15.8	16.3	16.8	17.4	18.0	18.6	19.2	19.8	20.4	21.1	21.7	22.3	23.1	23.9	24.7	25.7	26.7	2.09
7.2	7.5	7.8	8.2	8.6	9.0	9.4	9.7	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.7	16.3	16.9	17.5	18.1	18.7	19.4	20.0	20.6	21.4	22.2	23.0	24.0	25.0	2.09
8.1	8.4	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.6	12.1	12.6	13.1	13.5	14.0	14.5	15.0	15.5	16.0	16.6	17.2	17.8	18.4	19.0	19.6	20.3	20.9	21.5	22.3	23.1	23.9	24.9	25.9	2.10
7.2	7.5	7.8	8.2	8.6	9.1	9.5	9.8	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.8	16.3	16.9	17.5	18.1	18.7	19.5	20.1	20.7	21.5	22.2	23.0	24.0	25.0	2.20
9.0	9.3	9.6	10.0	10.4	10.8	11.2	11.5	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.5	18.0	18.6	19.2	19.8	20.4	21.2	21.8	22.4	23.2	23.9	24.7	25.7	26.7	2.22
8.2	8.5	8.8	9.2	9.6	10.0	10.4	10.7	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.7	17.3	17.9	18.5	19.1	19.7	20.4	21.0	21.6	22.4	23.2	24.0	25.0	26.0	2.22
7.3	7.6	7.9	8.3	8.7	9.1	9.5	9.9	10.3	10.8	11.3	11.8	12.3	12.7	13.2	13.7	14.3	14.8	15.3	15.9	16.4	17.0	17.6	18.2	18.8	19.6	20.2	20.8	21.6	22.3	23.1	24.1	25.1	2.33
9.0	9.3	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.5	13.0	13.5	14.0	14.4	14.9	15.4	15.9	16.4	16.9	17.5	18.1	18.7	19.3	19.9	20.5	21.2	21.8	22.4	23.2	24.0	24.8	25.8	26.8	2.34
8.2	8.5	8.8	9.2	9.6	10.0	10.5	10.8	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.8	17.3	17.9	18.5	19.1	19.7	20.5	21.1	21.7	22.5	23.2	24.0	25.0	26.0	2.35
6.2	6.5	6.8	7.2	7.6	8.1	8.5	8.8	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.8	15.4	16.0	16.6	17.2	17.8	18.5	19.1	19.7	20.5	21.3	22.1	23.1	24.1	2.47
7.4	7.7	8.0	8.4	8.8	9.2	9.6	10.0	10.4	10.9	11.4	11.9	12.4	12.8	13.3	13.8	14.3	14.8	15.3	15.9	16.5	17.1	17.7	18.3	18.9	19.6	20.2	20.8	21.6	22.4	23.2	24.2	25.2	2.48
8.3	8.6	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.8	12.3	12.8	13.3	13.7	14.2	14.7	15.2	15.7	16.2	16.8	17.4	18.0	18.6	19.2	19.8	20.5	21.1	21.7	22.5	23.3	24.1	25.1	26.1	2.50
6.3	6.6	6.9	7.3	7.7	8.1	8.5	8.9	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.9	15.4	16.0	16.7	17.3	17.9	18.6	19.2	19.8	20.6	21.4	22.2	23.2	24.2	2.60
7.4	7.7	8.1	8.5	8.9	9.3	9.7	10.0	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	16.0	16.5	17.2	17.8	18.4	19.0	19.7	20.3	20.9	21.7	22.5	23.3	24.3	25.3	2.62
8.4	8.7	9.0	9.4	9.8	10.2	10.6	10.9	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.9	17.4	18.0	18.6	19.2	19.8	20.6	21.2	21.8	22.6	23.3	24.1	25.1	26.1	2.64
6.4	6.7	7.0	7.4	7.8	8.2	8.6	9.0	9.4	9.9	10.4	10.9	11.4	11.8	12.3	12.9	13.4	13.9	14.4	15.0	15.5	16.1	16.7	17.3	17.9	18.7	19.3	19.9	20.7	21.4	22.2	23.2	24.2	2.75
7.5	7.8	8.1	8.5	8.9	9.3	9.7	10.1	10.5	11.0	11.5	12.0	12.5	12.9	13.4	14.0	14.5	15.0	15.5	16.1	16.6	17.2	17.8	18.4	19.0	19.8	20.4	21.0	21.8	22.5	23.3	24.3	25.3	2.77
8.4	8.7	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.9	12.4	12.9	13.4	13.8	14.3	14.8	15.3	15.8	16.3	16.9	17.5	18.1	18.7	19.3	19.9	20.6	21.2	21.8	22.6	23.4	24.2	25.2	26.2	2.81
6.4	6.7	7.0	7.4	7.9	8.3	8.7	9.0	9.4	9.9	10.5	11.0	11.5	11.9	12.4	12.9	13.4	13.9	14.4	15.0	15.6	16.2	16.8	17.4	18.0	18.8	19.4	20.0	20.8	21.5	22.3	23.3	24.3	2.91
7.6	7.9	8.2	8.6	9.0	9.4	9.8	10.1	10.5	11.0	11.5	12.0	12.6	13.0	13.5	14.0	14.5	15.0	15.5	16.1	16.7	17.3	17.9	18.5	19.1	19.8	20.4	21.0	21.8	22.6	23.4	24.4	25.4	2.93
8.4	8.7	9.0	9.5	9.9	10.3	10.7	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	17.0	17.5	18.1	18.7	19.3	19.9	20.7	21.3	21.9	22.7	23.4	24.2	25.2	26.2	2.96
6.5	6.8	7.1	7.5	7.9	8.3	8.7	9.1	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.1	15.7	16.3	16.9	17.5	18.1	18.8	19.4	20.0	20.8	21.6	22.4	23.4	24.4	3.09
7.6	7.9	8.2	8.6	9.0	9.4	9.8	10.2	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.2	16.7	17.3	17.9	18.5	19.1	19.9	20.5	21.1	21.9	22.6	23.4	24.4	25.4	3.12
4.8	5.2	5.5	5.9	6.3	6.8	7.2	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.6	14.2	14.8	15.4	16.0	16.6	17.4	18.0	18.6	19.4	20.1	20.9	22.0	23.0	3.16
6.6	6.9	7.2	7.6	8.0	8.4	8.8	9.2	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.2	15.7	16.3	16.9	17.5	18.1	18.9	19.5	20.1	20.9	21.7	22.5	23.5	24.5	3.27
7.7	8.0	8.3	8.7	9.1	9.5	9.9	10.2	10.6	11.2	11.7	12.2	12.7	13.1	13.6	14.1	14.6	15.1	15.6	16.2	16.8	17.4	18.0	18.6	19.2	19.9	20.5	21.1	21.9	22.7	23.5	24.5	25.5	3.30
4.9	5.2	5.5	6.0	6.4	6.8	7.2	7.6	8.0	8.5	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.7	14.3	14.9	15.5	16.1	16.7	17.4	18.1	18.7	19.5	20.2	21.0	22.0	23.0	3.33
6.6	6.9	7.2	7.6	8.0	8.5	8.9	9.2	9.6	10.1	10.6	11.1	11.7	12.1	12.6	13.1	13.6	14.1	14.6	15.2	15.8	16.4	17.0	17.6	18.2	19.0	19.6	20.2	21.0	21.7	22.5	23.5	24.5	3.45
7.7	8.0	8.3	8.7	9.1	9.5	9.9	10.3	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.3	16.8	17.4	18.0	18.6	19.2	20.0	20.6	21.2	22.0	22.7	23.6	24.6	25.6	3.50
4.9	5.3	5.6	6.0	6.5	6.9	7.3	7.7	8.1	8.6	9.1	9.6	10.2	10.6	11.1	11.6	12.2	12.7	13.2	13.8	14.3	14.9	15.6	16.2	16.8	17.5	18.1	18.7	19.5	20.3	21.1	22.1	23.1	3.51
6.7	7.0	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.3	15.8	16.5	17.1	17.7	18.3	19.0	19.6	20.2	21.0	21.8	22.6	23.6	24.6	3.66

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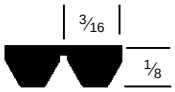

Drive Selection For 5M Polyflex® JB® Belts

Table No. 25

DriveN Speed For Motor Speed of			Sheave Outside Diameter Inches			Length Designation and Center Distance, Inches																										
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	5M 280	5M 290	5M 300	5M 307	5M 315	5M 325	5M 335	5M 345	5M 355	5M 365	5M 375	5M 387	5M 400	5M 412	5M 425	5M 437	5M 450	5M 462	5M 475	5M 487	5M 500	5M 515	5M 530	5M 545	5M 560	5M 580
314	473	932	1.04	3.94	3.70											3.2	3.4	3.7	3.9	4.2	4.5	4.7	5.0	5.2	5.5	5.8	6.1	6.4	6.7	6.9	7.3
312	470	927	1.67	6.30	3.72																										4.6
298	450	887	1.24	4.92	3.89																		3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.3
294	444	876	1.97	7.87	3.94																										
294	443	873	1.57	6.30	3.95																										4.6
282	426	839	1.17	4.92	4.11																		3.9	4.1	4.4	4.7	5.0	5.3	5.7	5.9	6.3
280	422	831	1.87	7.87	4.15																										
278	419	825	1.48	6.30	4.18																										4.7
265	400	789	1.10	4.92	4.37																		3.9	4.2	4.5	4.7	5.1	5.4	5.7	6.0	6.4
265	400	788	1.77	7.87	4.38																										
263	397	782	1.40	6.30	4.41																										4.7
252	380	748	1.04	4.92	4.61																	3.7	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.4
250	377	744	1.67	7.87	4.64																										
248	374	737	1.32	6.30	4.68																										4.8
235	355	700	1.57	7.87	4.93																										
235	355	700	1.97	9.84	4.93																										
233	352	694	1.24	6.30	4.97																										4.8
224	338	666	1.87	9.84	5.18																										
222	335	661	1.48	7.87	5.22																										
221	333	656	1.17	6.30	5.26																									4.4	4.9
212	320	631	1.77	9.84	5.47																										
211	318	626	1.40	7.87	5.51																										
208	314	618	1.10	6.30	5.58																									4.4	4.9
200	302	596	1.67	9.84	5.79																										
199	300	592	1.32	7.87	5.83																										
197	297	586	1.04	6.30	5.89																									4.5	4.9
189	285	561	1.57	9.84	6.15																										
187	282	556	1.24	7.87	6.20																										
187	282	556	1.97	12.40	6.20																										
178	268	529	1.48	9.84	6.52																										
178	268	528	1.87	12.40	6.53																										
177	267	526	1.17	7.87	6.56																										
169	254	501	1.40	9.84	6.88																										
168	254	501	1.77	12.40	6.89																										
167	251	496	1.10	7.87	6.96																										
159	240	473	1.32	9.84	7.29																										
159	240	473	1.67	12.40	7.29																										
158	238	469	1.04	7.87	7.35																										
150	226	445	1.24	9.84	7.75																										
150	226	445	1.57	12.40	7.75																										
148	223	439	1.97	15.70	7.85																										
141	213	421	1.17	9.84	8.20																										
141	213	420	1.48	12.40	8.21																										
140	212	418	1.87	15.70	8.26																										
134	202	398	1.40	12.40	8.67																										
133	201	397	1.10	9.84	8.70																										
133	201	396	1.77	15.70	8.72																										
126	191	376	1.32	12.40	9.18																										
126	190	375	1.04	9.84	9.19																										
126	190	374	1.67	15.70	9.23																										
119	179	354	1.24	12.40	9.75																										
118	179	352	1.57	15.70	9.80																										
112	170	334	1.17	12.40	10.32																										
112	168	332	1.48	15.70	10.39																										
106	160	315	1.10	12.40	10.96																										
106	160	314	1.40	15.70	10.97																										
100	151	298	1.04	12.40	11.57																										
100	151	297	1.32	15.70	11.61																										
94	142	280	1.24	15.70	12.34																										
89	134	264	1.17	15.70	13.06																										
84	126	249	1.10	15.70	13.86																										
79	120	236	1.04	15.70	14.64																										

Key to correction factors: 0.7 0.8 0.9 1.0

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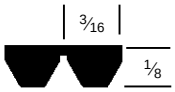

Length Designation and Center Distance, Inches

5M 600	5M 615	5M 630	5M 650	5M 670	5M 690	5M 710	5M 730	5M 750	5M 775	5M 800	5M 825	5M 850	5M 875	5M 900	5M 925	5M 950	5M 975	5M 1000	5M 1030	5M 1060	5M 1090	5M 1120	5M 1150	5M 1180	5M 1220	5M 1250	5M 1280	5M 1320	5M 1360	5M 1400	5M 1450	5M 1500	Speed Ratio
7.8	8.1	8.4	8.8	9.2	9.6	10.0	10.3	10.7	11.2	11.8	12.3	12.8	13.2	13.7	14.2	14.7	15.2	15.7	16.3	16.9	17.5	18.1	18.7	19.3	20.0	20.6	21.2	22.0	22.8	23.6	24.6	25.6	3.70
5.0	5.3	5.7	6.1	6.5	7.0	7.4	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.9	14.4	15.0	15.6	16.2	16.8	17.6	18.2	18.8	19.6	20.4	21.2	22.2	23.2	3.72
6.7	7.0	7.3	7.7	8.2	8.6	9.0	9.3	9.7	10.2	10.8	11.3	11.8	12.2	12.7	13.2	13.7	14.2	14.7	15.4	15.9	16.5	17.1	17.7	18.3	19.1	19.7	20.3	21.1	21.8	22.6	23.6	24.6	3.89
							5.9	6.3	6.9	7.4	8.0	8.5	9.0	9.5	10.0	10.6	11.1	11.6	12.2	12.8	13.4	14.0	14.6	15.2	16.0	16.6	17.2	18.0	18.8	19.6	20.6	21.6	3.94
5.1	5.4	5.7	6.2	6.6	7.0	7.4	7.8	8.2	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.9	14.5	15.1	15.7	16.3	16.9	17.7	18.3	18.9	19.7	20.4	21.2	22.2	23.3	3.95
6.8	7.1	7.4	7.8	8.2	8.6	9.0	9.4	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.4	16.0	16.6	17.2	17.8	18.4	19.1	19.7	20.3	21.1	21.9	22.7	23.7	24.7	4.11
						5.5	5.9	6.4	7.0	7.5	8.0	8.6	9.1	9.6	10.1	10.6	11.2	11.7	12.3	12.9	13.5	14.1	14.7	15.3	16.1	16.7	17.3	18.1	18.9	19.7	20.7	21.7	4.15
5.1	5.5	5.8	6.2	6.7	7.1	7.5	7.9	8.3	8.8	9.3	9.8	10.4	10.8	11.3	11.8	12.4	12.9	13.4	14.0	14.5	15.2	15.8	16.4	17.0	17.7	18.3	18.9	19.7	20.5	21.3	22.3	23.3	4.18
6.8	7.1	7.4	7.8	8.3	8.7	9.1	9.4	9.8	10.3	10.9	11.4	11.9	12.3	12.8	13.3	13.8	14.3	14.9	15.5	16.0	16.6	17.2	17.8	18.4	19.2	19.8	20.4	21.2	21.9	22.7	23.7	24.8	4.37
						5.6	6.0	6.5	7.0	7.6	8.1	8.6	9.1	9.7	10.2	10.7	11.2	11.7	12.4	12.9	13.5	14.2	14.8	15.4	16.1	16.8	17.4	18.2	18.9	19.7	20.8	21.8	4.38
5.2	5.5	5.8	6.3	6.7	7.1	7.6	7.9	8.3	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	14.0	14.6	15.2	15.8	16.4	17.0	17.8	18.4	19.0	19.8	20.6	21.4	22.4	23.4	4.41
6.8	7.2	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.5	16.1	16.7	17.3	17.9	18.5	19.2	19.8	20.4	21.2	22.0	22.8	23.8	24.8	4.61
						5.7	6.1	6.5	7.1	7.6	8.2	8.7	9.2	9.7	10.2	10.8	11.3	11.8	12.4	13.0	13.6	14.2	14.8	15.5	16.2	16.8	17.4	18.2	19.0	19.8	20.8	21.8	4.64
5.2	5.6	5.9	6.3	6.8	7.2	7.6	8.0	8.4	8.9	9.4	10.0	10.5	10.9	11.4	12.0	12.5	13.0	13.5	14.1	14.7	15.3	15.9	16.5	17.1	17.8	18.5	19.1	19.9	20.6	21.4	22.4	23.4	4.68
						5.7	6.1	6.6	7.1	7.7	8.2	8.8	9.3	9.8	10.3	10.8	11.4	11.9	12.5	13.1	13.7	14.3	14.9	15.5	16.3	16.9	17.5	18.3	19.1	19.9	20.9	21.9	4.93
														7.4	8.0	8.5	9.1	9.6	10.3	10.9	11.5	12.1	12.8	13.4	14.2	14.8	15.4	16.3	17.0	17.8	18.9	19.9	4.93
5.3	5.6	5.9	6.4	6.8	7.2	7.7	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.2	14.7	15.3	15.9	16.5	17.1	17.9	18.5	19.1	19.9	20.7	21.5	22.5	23.5	4.97
													6.8	7.4	8.0	8.6	9.1	9.7	10.3	10.9	11.6	12.2	12.8	13.5	14.3	14.9	15.5	16.3	17.1	17.9	18.9	20.0	5.18
					5.3	5.8	6.2	6.6	7.2	7.8	8.3	8.8	9.3	9.8	10.4	10.9	11.4	11.9	12.6	13.1	13.7	14.4	15.0	15.6	16.3	17.0	17.6	18.4	19.1	20.0	21.0	22.0	5.22
5.3	5.7	6.0	6.4	6.9	7.3	7.7	8.1	8.5	9.0	9.5	10.1	10.6	11.0	11.6	12.1	12.6	13.1	13.6	14.2	14.8	15.4	16.0	16.6	17.2	18.0	18.6	19.2	20.0	20.7	21.5	22.5	23.5	5.26
													6.9	7.5	8.1	8.6	9.2	9.8	10.4	11.0	11.6	12.3	12.9	13.5	14.3	14.9	15.6	16.4	17.2	18.0	19.0	20.0	5.47
					5.3	5.8	6.2	6.7	7.3	7.8	8.3	8.9	9.4	9.9	10.4	10.9	11.5	12.0	12.6	13.2	13.8	14.4	15.0	15.6	16.4	17.0	17.6	18.4	19.2	20.0	21.0	22.0	5.51
5.4	5.7	6.0	6.5	6.9	7.3	7.8	8.1	8.5	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.3	14.8	15.4	16.0	16.6	17.2	18.0	18.6	19.2	20.0	20.8	21.6	22.6	23.6	5.58
													7.0	7.6	8.1	8.7	9.3	9.8	10.5	11.1	11.7	12.3	13.0	13.6	14.4	15.0	15.6	16.5	17.2	18.1	19.1	20.1	5.79
					5.4	5.9	6.3	6.7	7.3	7.9	8.4	8.9	9.4	9.9	10.5	11.0	11.5	12.0	12.7	13.2	13.8	14.5	15.1	15.7	16.5	17.1	17.7	18.5	19.3	20.1	21.1	22.1	5.83
5.4	5.7	6.1	6.5	6.9	7.4	7.8	8.2	8.6	9.1	9.6	10.1	10.7	11.1	11.6	12.2	12.7	13.2	13.7	14.3	14.9	15.5	16.1	16.7	17.3	18.0	18.7	19.3	20.1	20.8	21.6	22.6	23.6	5.89
													7.0	7.6	8.2	8.8	9.3	9.9	10.5	11.1	11.8	12.4	13.0	13.7	14.5	15.1	15.7	16.5	17.3	18.1	19.1	20.2	6.15
					5.4	5.9	6.3	6.8	7.4	7.9	8.4	9.0	9.5	10.0	10.5	11.1	11.6	12.1	12.7	13.3	13.9	14.5	15.1	15.7	16.5	17.1	17.7	18.6	19.3	20.1	21.1	22.2	6.20
																					8.6	9.3	10.0	10.7	11.5	12.2	12.9	13.7	14.5	15.4	16.4	17.5	6.20
													7.1	7.7	8.3	8.8	9.4	9.9	10.6	11.2	11.8	12.5	13.1	13.7	14.5	15.1	15.8	16.6	17.4	18.2	19.2	20.2	6.52
																					8.6	9.4	10.1	10.8	11.6	12.3	12.9	13.8	14.6	15.5	16.5	17.6	6.53
					5.5	6.0	6.4	6.8	7.4	7.9	8.5	9.0	9.5	10.0	10.6	11.1	11.6	12.1	12.8	13.3	14.0	14.6	15.2	15.8	16.6	17.2	17.8	18.6	19.4	20.2	21.2	22.2	6.56
												6.6	7.1	7.7	8.3	8.9	9.4	10.0	10.6	11.2	11.9	12.5	13.1	13.8	14.6	15.2	15.8	16.6	17.4	18.2	19.3	20.3	6.88
																					8.7	9.4	10.1	10.8	11.7	12.3	13.0	13.9	14.7	15.5	16.6	17.6	6.89
					5.5	6.0	6.4	6.9	7.4	8.0	8.5	9.1	9.6	10.1	10.6	11.1	11.7	12.2	12.8	13.4	14.0	14.6	15.2	15.8	16.6	17.2	17.8	18.7	19.4	20.2	21.2	22.3	6.96
												6.6	7.2	7.8	8.4	8.9	9.5	10.0	10.7	11.3	11.9	12.6	13.2	13.8	14.6	15.2	15.9	16.7	17.5	18.3	19.3	20.3	7.29
																				8.0	8.8	9.5	10.2	10.9	11.7	12.4	13.1	13.9	14.7	15.6	16.6	17.7	7.29
				5.1	5.6	6.0	6.5	6.9	7.5	8.0	8.6	9.1	9.6	10.1	10.7	11.2	11.7	12.2	12.9	13.4	14.0	14.7	15.3	15.9	16.7	17.3	17.9	18.7	19.5	20.3	21.3	22.3	7.35
												6.7	7.2	7.8	8.4	9.0	9.5	10.1	10.7	11.3	12.0	12.6	13.3	13.9	14.7	15.3	15.9	16.8	17.5	18.3	19.4	20.4	7.75
																				8.1	8.8	9.5	10.3	10.9	11.8	12.5	13.1	14.0	14.8	15.6	16.7	17.8	7.75
																													10.7	11.7	12.8	14.0	7.85
												6.7	7.3	7.9	8.4	9.0	9.6	10.1	10.8	11.4	12.0	12.7	13.3	13.9	14.7	15.3	16.0	16.8	17.6	18.4	19.4	20.4	8.20
																				8.1	8.9	9.6	10.3	11.0	11.8	12.5	13.2	14.0	14.9	15.7	16.8	17.8	8.21
																													10.7	11.7	12.9	14.1	8.26
																				8.2	8.9	9.6	10.4	11.0	11.9	12.6	13.2	14.1	14.9	15.8	16.8	17.9	8.67
												6.7	7.3	7.9	8.5	9.1	9.6	10.2	10.8	11.4	12.1	12.7	13.3	14.0	14.8	15.4	16.0	16.8	17.6	18.4	19.5	20.5	8.70
																													10.8	11.8	13.0	14.1	8.72
																				8.2	9.0	9.7	10.4	11.1	11.9	12.6	13.3	14.1	15.0	15.8	16.9	17.9	9.18
												6.8	7.3	7.9	8.5	9.1	9.7	10.2	10.9	11.5	12.1	12.7	13.4	14.0	14.8	15.4	16.1	16.9	17.7	18.5	19.5	20.5	9.19
																												9.9	10.8	11.8	13.0	14.2	9.23
																				8.3	9.0	9.7	10.5	11.1	12.0	12.7	13.3	14.2	15.0	15.9	16.9	18.0	9.75
																												9.9	10.9	11.9	13.1	14.2	9.80
																				8.3	9.1	9.8	10.5	11.2	12.0	12.7	13.4	14.2	15.1	15.9	17.0	18.0	10.32
																												10.0	11.0	11.9	13.1	14.3	10.39
																				8.3	9.1	9.8	10.5	11.2	12.1	12.8	13.4	14.3	15.1	16.0	17.0	18.1	10.96
																												10.0	11.0	12.0	13.2	14.3	10.97
																				8.4	9.1	9.9	10.6	11.3	12.1	12.8	13.5	14.3	15.1	16.0	17.1	18.1	11.57
																												10.1	11.1	12.0	13.2	14.4	11.61
																												10.1	11.1	12.1	13.3	14.4	12.34
																												10.2	11.1	12.1	13.3	14.5	13.06
																												10.2	11.2	12.2	13.4	14.5	13.86
																												10.2	11.2	12.2	13.4	14.6	14.64

Key to correction factors: 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3

Drive Selection For 7M Polyflex® JB® Belts

Table No. 26

DriveN Speed For Motor Speed of			Sheave Outside Diameter Inches			Length Designation and Center Distance, Inches																							
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	7M 500	7M 515	7M 530	7M 545	7M 560	7M 580	7M 600	7M 615	7M 630	7M 650	7M 670	7M 690	7M 710	7M 730	7M 750	7M 775	7M 800	7M 825	7M 850	7M 875	7M 900	7M 925	7M 950	7M 975
1160	1750	3450	1.67	1.67	1.00	7.0	7.3	7.6	7.9	8.2	8.6	9.0	9.3	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.4
1160	1750	3450	1.77	1.77	1.00	6.9	7.2	7.5	7.8	8.0	8.4	8.8	9.1	9.4	9.8	10.2	10.6	11.1	11.5	11.9	12.4	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3
1160	1750	3450	1.87	1.87	1.00	6.7	7.0	7.3	7.6	7.9	8.3	8.7	9.0	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.1
1160	1750	3450	1.97	1.97	1.00	6.6	6.9	7.2	7.5	7.7	8.1	8.5	8.8	9.1	9.5	9.9	10.3	10.8	11.2	11.6	12.1	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0
1160	1750	3450	2.08	2.08	1.00	6.4	6.7	7.0	7.3	7.5	7.9	8.3	8.6	8.9	9.3	9.7	10.1	10.6	11.0	11.4	11.9	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8
1160	1750	3450	2.20	2.20	1.00	6.2	6.5	6.8	7.1	7.3	7.7	8.1	8.4	8.7	9.1	9.5	9.9	10.4	10.8	11.2	11.7	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6
1160	1750	3450	2.36	2.36	1.00	5.9	6.2	6.5	6.8	7.1	7.5	7.9	8.2	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.3
1160	1750	3450	2.48	2.48	1.00	5.8	6.1	6.4	6.7	6.9	7.3	7.7	8.0	8.3	8.7	9.1	9.5	10.0	10.4	10.8	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2
1160	1750	3450	2.64	2.64	1.00	5.5	5.8	6.1	6.4	6.7	7.1	7.5	7.8	8.1	8.5	8.9	9.3	9.7	10.1	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	14.9
1160	1750	3450	2.80	2.80	1.00	5.3	5.6	5.9	6.2	6.4	6.8	7.2	7.5	7.8	8.2	8.6	9.0	9.5	9.9	10.3	10.8	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7
1160	1750	3450	2.95	2.95	1.00	5.0	5.3	5.6	5.9	6.2	6.6	7.0	7.3	7.6	8.0	8.4	8.8	9.2	9.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.4
1160	1750	3450	3.15	3.15	1.00	4.7	5.0	5.3	5.6	5.9	6.3	6.7	7.0	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.1
1105	1667	3286	1.77	1.87	1.05	6.8	7.1	7.4	7.7	7.9	8.3	8.7	9.0	9.3	9.7	10.1	10.5	11.0	11.4	11.8	12.3	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2
1105	1667	3286	1.87	1.97	1.05	6.6	6.9	7.2	7.5	7.8	8.2	8.6	8.9	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.0
1105	1667	3286	1.97	2.08	1.05	6.5	6.8	7.1	7.4	7.6	8.0	8.4	8.7	9.0	9.4	9.8	10.2	10.7	11.1	11.5	12.0	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9
1105	1667	3286	2.36	2.48	1.05	5.9	6.2	6.5	6.8	7.0	7.4	7.8	8.1	8.4	8.8	9.2	9.6	10.1	10.5	10.9	11.4	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3
1105	1667	3286	2.80	2.95	1.05	5.1	5.4	5.7	6.0	6.3	6.7	7.1	7.4	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.5
1094	1651	3255	1.67	1.77	1.06	6.9	7.2	7.5	7.8	8.1	8.5	8.9	9.2	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.3
1094	1651	3255	2.08	2.20	1.06	6.3	6.6	6.9	7.2	7.4	7.8	8.2	8.5	8.8	9.2	9.6	10.0	10.5	10.9	11.3	11.8	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7
1094	1651	3255	2.48	2.64	1.06	5.6	5.9	6.2	6.5	6.8	7.2	7.6	7.9	8.2	8.6	9.0	9.4	9.8	10.2	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.0
1094	1651	3255	2.64	2.80	1.06	5.4	5.7	6.0	6.3	6.5	6.9	7.3	7.6	7.9	8.3	8.7	9.1	9.6	10.0	10.4	10.9	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8
1084	1636	3224	2.20	2.36	1.07	6.1	6.4	6.7	7.0	7.2	7.6	8.0	8.3	8.6	9.0	9.4	9.8	10.3	10.7	11.1	11.6	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5
1084	1636	3224	2.95	3.15	1.07	4.9	5.2	5.5	5.8	6.0	6.4	6.8	7.1	7.4	7.8	8.2	8.6	9.1	9.5	9.9	10.4	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3
1045	1577	3108	1.77	1.97	1.11	6.7	7.0	7.3	7.6	7.9	8.3	8.7	9.0	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.1
1045	1577	3108	1.87	2.08	1.11	6.5	6.8	7.1	7.4	7.7	8.1	8.5	8.8	9.1	9.5	9.9	10.3	10.7	11.1	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	15.9
1045	1577	3108	1.97	2.20	1.11	6.4	6.7	7.0	7.3	7.5	7.9	8.3	8.6	8.9	9.3	9.7	10.1	10.6	11.0	11.4	11.9	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8
1045	1577	3108	2.64	2.95	1.11	5.3	5.6	5.9	6.2	6.4	6.8	7.2	7.5	7.8	8.2	8.6	9.0	9.5	9.9	10.3	10.8	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7
1036	1563	3080	1.67	1.87	1.12	6.9	7.2	7.5	7.8	8.0	8.4	8.8	9.1	9.4	9.8	10.2	10.6	11.1	11.5	11.9	12.4	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3
1036	1563	3080	2.20	2.48	1.12	6.0	6.3	6.6	6.9	7.1	7.5	7.9	8.2	8.5	8.9	9.3	9.7	10.2	10.6	11.0	11.5	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4
1036	1563	3080	2.36	2.64	1.12	5.7	6.0	6.3	6.6	6.9	7.3	7.7	8.0	8.3	8.7	9.1	9.5	9.9	10.3	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.1
1036	1563	3080	2.80	3.15	1.12	5.0	5.3	5.6	5.9	6.1	6.5	6.9	7.2	7.5	7.9	8.3	8.7	9.2	9.6	10.0	10.5	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4
1027	1549	3053	2.08	2.36	1.13	6.2	6.5	6.8	7.1	7.3	7.7	8.1	8.4	8.7	9.1	9.5	9.9	10.4	10.8	11.2	11.7	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6
1027	1549	3053	2.48	2.80	1.13	5.5	5.8	6.1	6.4	6.7	7.1	7.5	7.8	8.1	8.5	8.9	9.3	9.7	10.1	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	14.9
991	1496	2949	1.67	1.97	1.17	6.8	7.1	7.4	7.7	7.9	8.3	8.7	9.0	9.3	9.7	10.1	10.5	11.0	11.4	11.8	12.3	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2
991	1496	2949	1.77	2.08	1.17	6.6	6.9	7.2	7.5	7.8	8.2	8.6	8.9	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.0
991	1496	2949	1.87	2.20	1.17	6.5	6.8	7.1	7.4	7.6	8.0	8.4	8.7	9.0	9.4	9.8	10.2	10.7	11.1	11.5	12.0	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9
983	1483	2924	2.36	2.80	1.18	5.6	5.9	6.2	6.5	6.7	7.1	7.5	7.8	8.1	8.5	8.9	9.3	9.8	10.2	10.6	11.1	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0
975	1471	2899	1.97	2.36	1.19	6.2	6.5	6.8	7.1	7.4	7.8	8.2	8.5	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.6
975	1471	2899	2.08	2.48	1.19	6.1	6.4	6.7	7.0	7.2	7.6	8.0	8.3	8.6	9.0	9.4	9.8	10.3	10.7	11.1	11.6	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5
975	1471	2899	2.20	2.64	1.19	5.8	6.1	6.4	6.7	7.0	7.4	7.8	8.1	8.4	8.8	9.2	9.6	10.0	10.4	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.2
975	1471	2899	2.48	2.95	1.19	5.4	5.7	6.0	6.3	6.5	6.9	7.3	7.6	7.9	8.3	8.7	9.1	9.6	10.0	10.4	10.9	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8
975	1471	2899	2.64	3.15	1.19	5.1	5.4	5.7	6.0	6.2	6.6	7.1	7.4	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.5
943	1423	2805	1.77	2.20	1.23	6.5	6.8	7.1	7.4	7.7	8.1	8.5	8.8	9.1	9.5	9.9	10.3	10.7	11.1	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	15.9
935	1411	2782	1.67	2.08	1.24	6.7	7.0	7.3	7.6	7.9	8.3	8.7	9.0	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.1
935	1411	2782	2.36	2.95	1.24	5.5	5.8	6.1	6.4	6.6	7.0	7.4	7.7	8.0	8.4	8.8	9.2	9.7	10.1	10.5	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9
928	1400	2760	1.87	2.36	1.25	6.3	6.6	6.9	7.2	7.5	7.9	8.3	8.6	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.7
928	1400	2760	1.97	2.48	1.25	6.2	6.5	6.8	7.1	7.3	7.7	8.1	8.4	8.7	9.1	9.5	9.9	10.4	10.8	11.2	11.7	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6
928	1400	2760	3.15	3.94	1.25		4.4	4.7	5.0	5.2	5.6	6.0	6.3	6.6	7.0	7.4	7.8	8.3	8.7	9.1	9.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5
921	1389	2738	2.08	2.64	1.26	5.9	6.2	6.5	6.8	7.1	7.5	7.9	8.2	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.3
921	1389	2738	2.48	3.15	1.26	5.2	5.5	5.8	6.1	6.4	6.8	7.2	7.5	7.8	8.2	8.6	9.0	9.4	9.8	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.6
913	1378	2717	2.20	2.80	1.27	5.7	6.0	6.3	6.6	6.9	7.3	7.7	8.0	8.3	8.7	9.1	9.5	9.9	10.3	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.1
885	1336	2634	1.67	2.20	1.31	6.6	6.9	7.2	7.5	7.8	8.2	8.6	8.9	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.0
879	1326	2614	1.77	2.36	1.32	6.4	6.7	7.0	7.3	7.6	8.0	8.4	8.7	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.8
879	1326	2614	1.87	2.48	1.32	6.2	6.5	6.8	7.1	7.4	7.8	8.2	8.5	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.6
872	1316	2594	1.97	2.64	1.33	6.0	6.3	6.6	6.9	7.2	7.6	8.0	8.3	8.6	9.0	9.4	9.8	10.2	10.6	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.4
872	1316	2594	2.20	2.95	1.33	5.6	5.9	6.2	6.5	6.7	7.1	7.5	7.8	8.1	8.5	8.9	9.3	9.8	10.2	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.0
872	1316	2594	2.36	3.15	1.33	5.3	5.6	5.9	6.2	6.5	6.9	7.3	7.6	7.9	8.3	8.7	9.1	9.5	9.9	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.7
872	1316	2594	2.95	3.94	1.33	4.2	4.5	4.8	5.1	5.4	5.8	6.2	6.5	6.8	7.2	7.6	8.0	8.4	8.8	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.6
866	1306	2575	2.08	2.80	1.34	5.8	6.1	6.4	6.7	7.0	7.4	7.8	8.1	8.4	8.8	9.2	9.6	10.0	10.4	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.2
835	1259	2482	1.77	2.48	1.39	6.3	6.6	6.9	7.2	7.5	7.9	8.3	8.6	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.7
829	1250	2464	1.67	2.36	1.40	6.5	6.8	7.1	7.4	7.6	8.0	8.4	8.7	9.0	9.4	9.8	10.2	10.7	11.1	11.5	12.0	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9
829	1250	2464	1.87	2.64	1.40	6.1	6.4	6.7	7.0	7.2	7.6	8.1	8.4	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.5
829	1250	2464	2.80	3.94	1.40	4.3	4.6	4.9	5.2	5.5	5.9	6.3	6.6	6.9	7.3	7.7	8.1	8.5	8.9	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.7

Key to correction factors: 0.8 0.9 1.0

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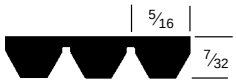

Length Designation and Center Distance, Inches

7M 1000	7M 1030	7M 1060	7M 1090	7M 1120	7M 1150	7M 1180	7M 1220	7M 1250	7M 1280	7M 1320	7M 1360	7M 1400	7M 1450	7M 1500	7M 1550	7M 1600	7M 1650	7M 1700	7M 1750	7M 1800	7M 1850	7M 1900	7M 1950	7M 2000	7M 2060	7M 2120	7M 2180	7M 2240	7M 2300	Speed Ratio
16.9	17.5	18.1	18.7	19.3	19.9	20.5	21.3	21.9	22.4	23.2	24.0	24.8	25.8	26.8	27.8	28.7	29.7	30.7	31.7	32.7	33.7	34.7	35.6	36.6	37.8	39.0	40.2	41.3	42.5	1.00
16.8	17.4	18.0	18.6	19.1	19.7	20.3	21.1	21.7	22.3	23.1	23.9	24.7	25.6	26.6	27.6	28.6	29.6	30.6	31.5	32.5	33.5	34.5	35.5	36.5	37.7	38.8	40.0	41.2	42.4	1.00
16.6	17.2	17.8	18.4	19.0	19.6	20.2	21.0	21.6	22.1	22.9	23.7	24.5	25.5	26.5	27.5	28.4	29.4	30.4	31.4	32.4	33.4	34.4	35.3	36.3	37.5	38.7	39.9	41.0	42.2	1.00
16.5	17.1	17.7	18.3	18.8	19.4	20.0	20.8	21.4	22.0	22.8	23.6	24.4	25.3	26.3	27.3	28.3	29.3	30.3	31.2	32.2	33.2	34.2	35.2	36.2	37.4	38.5	39.7	40.9	42.1	1.00
16.3	16.9	17.5	18.1	18.6	19.2	19.8	20.6	21.2	21.8	22.6	23.4	24.2	25.1	26.1	27.1	28.1	29.1	30.1	31.0	32.0	33.0	34.0	35.0	36.0	37.2	38.3	39.5	40.7	41.9	1.00
16.1	16.7	17.3	17.9	18.4	19.0	19.6	20.4	21.0	21.6	22.4	23.2	24.0	24.9	25.9	26.9	27.9	28.9	29.9	30.8	31.8	32.8	33.8	34.8	35.8	37.0	38.1	39.3	40.5	41.7	1.00
15.8	16.4	17.0	17.6	18.2	18.8	19.4	20.2	20.8	21.3	22.1	22.9	23.7	24.7	25.7	26.7	27.6	28.6	29.6	30.6	31.6	32.6	33.6	34.5	35.5	36.7	37.9	39.1	40.2	41.4	1.00
15.7	16.3	16.9	17.5	18.0	18.6	19.2	20.0	20.6	21.2	22.0	22.8	23.6	24.5	25.5	26.5	27.5	28.5	29.5	30.4	31.4	32.4	33.4	34.4	35.4	36.6	37.7	38.9	40.1	41.3	1.00
15.4	16.0	16.6	17.2	17.8	18.4	19.0	19.8	20.4	20.9	21.7	22.5	23.3	24.3	25.3	26.3	27.2	28.2	29.2	30.2	31.2	32.2	33.2	34.1	35.1	36.3	37.5	38.7	39.8	41.0	1.00
15.2	15.8	16.4	17.0	17.5	18.1	18.7	19.5	20.1	20.7	21.5	22.3	23.1	24.0	25.0	26.0	27.0	28.0	29.0	29.9	30.9	31.9	32.9	33.9	34.9	36.1	37.2	38.4	39.6	40.8	1.00
14.9	15.5	16.1	16.7	17.3	17.9	18.5	19.3	19.9	20.4	21.2	22.0	22.8	23.8	24.8	25.8	26.7	27.7	28.7	29.7	30.7	31.7	32.7	33.6	34.6	35.8	37.0	38.2	39.3	40.5	1.00
14.6	15.2	15.8	16.4	17.0	17.6	18.2	19.0	19.6	20.1	20.9	21.7	22.5	23.5	24.5	25.5	26.4	27.4	28.4	29.4	30.4	31.4	32.4	33.3	34.3	35.5	36.7	37.9	39.0	40.2	1.00
16.7	17.3	17.9	18.5	19.0	19.6	20.2	21.0	21.6	22.2	23.0	23.8	24.6	25.5	26.5	27.5	28.5	29.5	30.5	31.4	32.4	33.4	34.4	35.4	36.4	37.6	38.7	39.9	41.1	42.3	1.05
16.5	17.1	17.7	18.3	18.9	19.5	20.1	20.9	21.5	22.0	22.8	23.6	24.4	25.4	26.4	27.4	28.3	29.3	30.3	31.3	32.3	33.3	34.3	35.2	36.2	37.4	38.6	39.8	40.9	42.1	1.05
16.4	17.0	17.6	18.2	18.7	19.3	19.9	20.7	21.3	21.9	22.7	23.5	24.3	25.2	26.2	27.2	28.2	29.2	30.2	31.1	32.1	33.1	34.1	35.1	36.1	37.3	38.4	39.6	40.8	42.0	1.05
15.8	16.4	17.0	17.6	18.1	18.7	19.3	20.1	20.7	21.3	22.1	22.9	23.7	24.6	25.6	26.6	27.6	28.6	29.6	30.5	31.5	32.5	33.5	34.5	35.5	36.7	37.8	39.0	40.2	41.4	1.05
15.0	15.6	16.2	16.8	17.4	18.0	18.6	19.4	20.0	20.5	21.3	22.1	22.9	23.9	24.9	25.9	26.8	27.8	28.8	29.8	30.8	31.8	32.8	33.7	34.7	35.9	37.1	38.3	39.4	40.6	1.05
16.8	17.4	18.0	18.6	19.2	19.8	20.4	21.2	21.8	22.3	23.1	23.9	24.7	25.7	26.7	27.7	28.6	29.6	30.6	31.6	32.6	33.6	34.6	35.5	36.5	37.7	38.9	40.1	41.2	42.4	1.06
16.2	16.8	17.4	18.0	18.5	19.1	19.7	20.5	21.1	21.7	22.5	23.3	24.1	25.0	26.0	27.0	28.0	29.0	30.0	30.9	31.9	32.9	33.9	34.9	35.9	37.1	38.2	39.4	40.6	41.8	1.06
15.5	16.1	16.7	17.3	17.9	18.5	19.1	19.9	20.5	21.0	21.8	22.6	23.4	24.4	25.4	26.4	27.3	28.3	29.3	30.3	31.3	32.3	33.3	34.2	35.2	36.4	37.6	38.8	39.9	41.1	1.06
15.3	15.9	16.5	17.1	17.6	18.2	18.8	19.6	20.2	20.8	21.6	22.4	23.2	24.1	25.1	26.1	27.1	28.1	29.1	30.0	31.0	32.0	33.0	34.0	35.0	36.2	37.3	38.5	39.7	40.9	1.06
16.0	16.6	17.2	17.8	18.3	18.9	19.5	20.3	20.9	21.5	22.3	23.1	23.9	24.8	25.8	26.8	27.8	28.8	29.8	30.7	31.7	32.7	33.7	34.7	35.7	36.9	38.0	39.2	40.4	41.6	1.07
14.8	15.4	16.0	16.6	17.1	17.7	18.3	19.1	19.7	20.3	21.1	21.9	22.7	23.6	24.6	25.6	26.6	27.6	28.6	29.5	30.5	31.5	32.5	33.5	34.5	35.7	36.8	38.0	39.2	40.4	1.07
16.6	17.2	17.8	18.4	19.0	19.6	20.2	21.0	21.6	22.1	22.9	23.7	24.5	25.5	26.5	27.5	28.4	29.4	30.4	31.4	32.4	33.4	34.4	35.3	36.3	37.5	38.7	39.9	41.0	42.2	1.11
16.4	17.0	17.6	18.2	18.8	19.4	20.0	20.8	21.4	21.9	22.7	23.5	24.3	25.3	26.3	27.3	28.2	29.2	30.2	31.2	32.2	33.2	34.2	35.1	36.1	37.3	38.5	39.7	40.8	42.0	1.11
16.3	16.9	17.5	18.1	18.6	19.2	19.8	20.6	21.2	21.8	22.6	23.4	24.2	25.1	26.1	27.1	28.1	29.1	30.1	31.0	32.0	33.0	34.0	35.0	36.0	37.2	38.3	39.5	40.7	41.9	1.11
15.2	15.8	16.4	17.0	17.5	18.1	18.7	19.5	20.1	20.7	21.5	22.3	23.1	24.0	25.0	26.0	27.0	28.0	29.0	29.9	30.9	31.9	32.9	33.9	34.9	36.1	37.2	38.4	39.6	40.8	1.11
16.8	17.4	18.0	18.6	19.1	19.7	20.3	21.1	21.7	22.3	23.1	23.9	24.7	25.6	26.6	27.6	28.6	29.6	30.6	31.5	32.5	33.5	34.5	35.5	36.5	37.7	38.8	40.0	41.2	42.4	1.12
15.9	16.5	17.1	17.7	18.2	18.8	19.4	20.2	20.8	21.4	22.2	23.0	23.8	24.7	25.7	26.7	27.7	28.7	29.7	30.6	31.6	32.6	33.6	34.6	35.6	36.8	37.9	39.1	40.3	41.5	1.12
15.6	16.2	16.8	17.4	18.0	18.6	19.2	20.0	20.6	21.1	21.9	22.7	23.5	24.5	25.5	26.5	27.4	28.4	29.4	30.4	31.4	32.4	33.4	34.3	35.3	36.5	37.7	38.9	40.0	41.2	1.12
14.9	15.5	16.1	16.7	17.2	17.8	18.4	19.2	19.8	20.4	21.2	22.0	22.8	23.7	24.7	25.7	26.7	27.7	28.7	29.6	30.6	31.6	32.6	33.6	34.6	35.8	36.9	38.1	39.3	40.5	1.12
16.1	16.7	17.3	17.9	18.4	19.0	19.6	20.4	21.0	21.6	22.4	23.2	24.0	24.9	25.9	26.9	27.9	28.9	29.9	30.8	31.8	32.8	33.8	34.8	35.8	37.0	38.1	39.3	40.5	41.7	1.13
15.4	16.0	16.6	17.2	17.8	18.4	19.0	19.8	20.4	20.9	21.7	22.5	23.3	24.3	25.3	26.3	27.2	28.2	29.2	30.2	31.2	32.2	33.2	34.1	35.1	36.3	37.5	38.7	39.8	41.0	1.13
16.7	17.3	17.9	18.5	19.0	19.6	20.2	21.0	21.6	22.2	23.0	23.8	24.6	25.5	26.5	27.5	28.5	29.5	30.5	31.4	32.4	33.4	34.4	35.4	36.4	37.6	38.7	39.9	41.1	42.3	1.17
16.5	17.1	17.7	18.3	18.9	19.5	20.1	20.9	21.5	22.0	22.8	23.6	24.4	25.4	26.4	27.4	28.3	29.3	30.3	31.3	32.3	33.3	34.3	35.2	36.2	37.4	38.6	39.8	40.9	42.1	1.17
16.4	17.0	17.6	18.2	18.7	19.3	19.9	20.7	21.3	21.9	22.7	23.5	24.3	25.2	26.2	27.2	28.2	29.2	30.2	31.1	32.1	33.1	34.1	35.1	36.1	37.3	38.4	39.6	40.8	42.0	1.17
15.5	16.1	16.7	17.3	17.8	18.4	19.0	19.8	20.4	21.0	21.8	22.6	23.4	24.4	25.3	26.3	27.3	28.3	29.3	30.2	31.2	32.2	33.2	34.2	35.2	36.4	37.5	38.7	39.9	41.1	1.18
16.1	16.7	17.3	17.9	18.5	19.1	19.7	20.5	21.1	21.7	22.5	23.3	24.1	25.0	26.0	27.0	28.0	29.0	30.0	30.9	31.9	32.9	33.9	34.9	35.9	37.1	38.2	39.4	40.6	41.8	1.19
16.0	16.6	17.2	17.8	18.3	18.9	19.5	20.3	20.9	21.5	22.3	23.1	23.9	24.8	25.8	26.8	27.8	28.8	29.8	30.7	31.7	32.7	33.7	34.7	35.7	36.9	38.0	39.2	40.4	41.6	1.19
15.7	16.3	16.9	17.5	18.1	18.7	19.3	20.1	20.7	21.2	22.0	22.8	23.6	24.6	25.6	26.6	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.4	35.4	36.6	37.8	39.0	40.1	41.4	1.19
15.3	15.9	16.5	17.1	17.6	18.2	18.8	19.6	20.2	20.8	21.6	22.4	23.2	24.1	25.1	26.1	27.1	28.1	29.1	30.0	31.0	32.0	33.0	34.0	35.0	36.2	37.3	38.5	39.7	40.9	1.19
15.0	15.6	16.2	16.8	17.4	18.0	18.6	19.4	20.0	20.5	21.3	22.1	22.9	23.9	24.9	25.9	26.8	27.8	28.8	29.8	30.8	31.8	32.8	33.7	34.7	35.9	37.1	38.3	39.4	40.6	1.19
16.4	17.0	17.6	18.2	18.8	19.4	20.0	20.8	21.4	21.9	22.7	23.5	24.3	25.3	26.3	27.3	28.2	29.2	30.2	31.2	32.2	33.2	34.2	35.1	36.1	37.3	38.5	39.7	40.8	42.0	1.23
16.6	17.2	17.8	18.4	19.0	19.6	20.2	21.0	21.6	22.1	22.9	23.7	24.5	25.5	26.5	27.5	28.4	29.4	30.4	31.4	32.4	33.4	34.4	35.3	36.3	37.5	38.7	39.9	41.0	42.2	1.24
15.4	16.0	16.6	17.2	17.7	18.3	18.9	19.7	20.3	20.9	21.7	22.5	23.3	24.2	25.2	26.2	27.2	28.2	29.2	30.1	31.1	32.1	33.1	34.1	35.1	36.3	37.4	38.6	39.8	41.0	1.24
16.2	16.8	17.4	18.0	18.6	19.2	19.8	20.6	21.2	21.7	22.5	23.3	24.1	25.1	26.1	27.1	28.0	29.0	30.0	31.0	32.0	33.0	34.0	34.9	35.9	37.1	38.3	39.5	40.6	41.8	1.25
16.1	16.7	17.3	17.9	18.4	19.0	19.6	20.4	21.0	21.6	22.4	23.2	24.0	24.9	25.9	26.9	27.9	28.9	29.9	30.8	31.8	32.8	33.8	34.8	35.8	37.0	38.1	39.3	40.5	41.7	1.25
14.0	14.6	15.2	15.8	16.3	16.9	17.5	18.3	18.9	19.5	20.3	21.1	21.9	22.8	23.8	24.8	25.8	26.8	27.8	28.7	29.7	30.7	31.7	32.7	33.7	34.9	36.0	37.2	38.4	39.6	1.25
15.8	16.4	17.0	17.6	18.2	18.8	19.4	20.2	20.8	21.3	22.1	22.9	23.7	24.7	25.7	26.7	27.6	28.6	29.6	30.6	31.6	32.6	33.6	34.5	35.5	36.7	37.9	39.1	40.2	41.4	1.26
15.1	15.7	16.3	16.9	17.5	18.1	18.7	19.5	20.1	20.6	21.4	22.2	23.0	24.0	25.0	26.0	26.9	27.9	28.9	29.9	30.9	31.9	32.9	33.8	34.8	36.0	37.2	38.4	39.5	40.7	1.26
15.6	16.2	16.8	17.4	18.0	18.6	19.2	20.0	20.6	21.1	21.9	22.7	23.5	24.5	25.5	26.5	27.4	28.4	29.4	30.4	31.4	32.4	33.4	34.3	35.3	36.5	37.7	38.9	40.0	41.2	1.27
16.5	17.1	17.7	18.3	18.9	19.5	20.1	20.9	21.5	22.0	22.8	23.6	24.4	25.4	26.4	27.4	28.3	29.3	30.3	31.3	32.3	33.3	34.3	35.2	36.2	37.4	38.6	39.8	40.9	42.1	1.31
16.3	16.9	17.5	18.1	18.7	19.3	19.9	20.7	21.3	21.8	22.6	23.4	24.2	25.2	26.2	27.2	28.1	29.1	30.1	31.1	32.1	33.1	34.1	35.0	36.0	37.2	38.4	39.6	40.7	41.9	1.32
16.1	16.7	17.3	17.9	18.5	19.1	19.7	20.5	21.1	21.6	22.4	23.2	24.0	25.0	26.0	27.0	27.9	28.9	29.9	30.9	31.9	32.9	33.9	34.8	35.8	37.0	38.2	39.4	40.5	41.7	1.32
15.9	16.5	17.1	17.7	18.3	18.9	19.5	20.3	20.9	21.4	22.2	23.0	23.8	24.8	25.8	26.8	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.6	35.6	36.8	38.0	39.2	40.3	41.5	1.33
15.5	16.1	16.7	17.3	17.9	18.5	19.1	19.9	20.5	21.0	21.8	22.6	23.4	24.4	25.4	26.4	27.3	28.3	29.3	30.3	31.3	32.3	33.3	34.2	35.2	36.4	37.6	38.8	39.9	41.1	1.33
15.2	15.8	16.4	17.0	17.6	18.2	18.8	19.6	20.2	20.7	21.5	22.3	23.1	24.1	25.1	26.1	27.0	28.0	29.0	30.0	31.0	32.0	33.0	33.9	34.9	36.1	37.3	38.5	39.6	40.8	1.33
14.1	14.7	15.3	15.9	16.5	17.1	17.7	18.5	19.1	19.6	20.4	21.2	22.0	23.0	24.0	25.0	25.9	26.9	27.9	28.9	29.9	30.9	31.9	32.8	33.8	35.0	36.2	37.4	38.5	39.7	1.33
15.7	16.3	16.9	17.5	18.1	18.7	19.3	20.1	20.7	21.2	22.0	22.8	23.6	24.6	25.6	26.6	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.4	35.4	36.6	37.8	39.0	40.1	41.3	1.34
16.2	16.8	17.4	18.0	18.6	19.2	19.8	20.6	21.2	21.7	22.5	23.3	24.1	25.1	26.1	27.1	28.0	29.0	30.0	31.0	32.0	33.0	34.0	34.9	35.9	37.1	38.3	39.5	40.6	41.8	1.39
16.4	17.0	17.6	18.2	18.7	19.3	19.9	20.7	21.3	21.9	22.7	23.5	24.3	25.2	26.2	27.2	28.2	29.2	30.2	31.1	32.1	33.1	34.1	35.1	36.1	37.3	38.4	39.6	40.8	42.0	1.40
16.0	16.6	17.2	17.8	18.4	19.0	19.6	20.4	21.0	21.5	22.3	23.1	23.9	24.9	25.9	26.9	27.8	28.8	29.8	30.8	31.8	32.8	33.8	34.7	35.7	36.9	38.1	39.3	40.4	41.6	1.40
14.2	14.8	15.4	16.0	16.6	17.2	17.8	18.6	19.2	19.8	20.6	21.4	22.2	23.1	24.1	25.1	26.1	27.1	28.1	29.0	30.0	31.0	32.0	33.0	34.0	35.2	36.3	37.5	38.7	39.9	1.40

Key to correction factors: 1.0 1.1 1.2 1.3

Drive Selection For 7M Polyflex® JB® Belts

Table No. 26

DriveN Speed For Motor Speed of			Sheave Outside Diameter Inches			Length Designation and Center Distance, Inches																							
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	7M 500	7M 515	7M 530	7M 545	7M 560	7M 580	7M 600	7M 615	7M 630	7M 650	7M 670	7M 690	7M 710	7M 730	7M 750	7M 775	7M 800	7M 825	7M 850	7M 875	7M 900	7M 925	7M 950	7M 975
823	1241	2447	1.97	2.80	1.41	5.9	6.2	6.5	6.8	7.0	7.4	7.8	8.1	8.4	8.8	9.2	9.6	10.1	10.5	10.9	11.4	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3
823	1241	2447	2.08	2.95	1.41	5.7	6.0	6.3	6.6	6.8	7.2	7.6	7.9	8.2	8.6	9.0	9.4	9.9	10.3	10.7	11.2	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1
817	1232	2430	2.20	3.15	1.42	5.4	5.7	6.0	6.3	6.6	7.0	7.4	7.7	8.0	8.4	8.8	9.2	9.6	10.0	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.8
789	1190	2347	1.67	2.48	1.47	6.4	6.7	7.0	7.3	7.5	7.9	8.3	8.6	8.9	9.3	9.7	10.1	10.6	11.0	11.4	11.9	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8
784	1182	2331	1.77	2.64	1.48	6.2	6.5	6.8	7.1	7.3	7.7	8.1	8.4	8.7	9.1	9.5	9.9	10.4	10.8	11.2	11.7	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6
784	1182	2331	1.87	2.80	1.48	6.0	6.3	6.6	6.9	7.1	7.5	7.9	8.2	8.5	8.9	9.3	9.7	10.2	10.6	11.0	11.5	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4
784	1182	2331	1.97	2.95	1.48	5.8	6.1	6.4	6.7	6.9	7.3	7.7	8.0	8.3	8.7	9.1	9.5	10.0	10.4	10.8	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2
784	1182	2331	2.64	3.94	1.48	4.4	4.7	5.0	5.3	5.6	6.0	6.4	6.7	7.0	7.4	7.8	8.2	8.7	9.1	9.5	10.0	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9
773	1167	2300	2.08	3.15	1.50	5.5	5.8	6.1	6.4	6.7	7.1	7.5	7.8	8.1	8.5	8.9	9.3	9.7	10.1	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	14.9
748	1129	2226	3.15	4.92	1.55						4.8	5.2	5.5	5.8	6.2	6.6	7.0	7.5	7.9	8.3	8.8	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7
744	1122	2212	1.67	2.64	1.56	6.2	6.5	6.8	7.2	7.4	7.8	8.2	8.5	8.8	9.2	9.6	10.0	10.5	10.9	11.3	11.8	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7
744	1122	2212	1.77	2.80	1.56	6.0	6.3	6.6	6.9	7.2	7.6	8.0	8.3	8.6	9.0	9.4	9.8	10.2	10.7	11.1	11.6	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5
744	1122	2212	1.87	2.95	1.56	5.8	6.1	6.4	6.7	7.0	7.4	7.8	8.1	8.4	8.8	9.2	9.6	10.1	10.5	10.9	11.4	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3
739	1115	2197	2.48	3.94	1.57	4.6	4.9	5.2	5.5	5.7	6.1	6.5	6.8	7.1	7.5	7.9	8.3	8.8	9.2	9.6	10.1	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
734	1108	2184	1.97	3.15	1.58	5.6	5.9	6.2	6.5	6.8	7.2	7.6	7.9	8.2	8.6	9.0	9.4	9.8	10.2	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.0
707	1067	2104	1.77	2.95	1.64	5.9	6.2	6.5	6.8	7.1	7.5	7.9	8.2	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.3
703	1061	2091	1.67	2.80	1.65	6.1	6.4	6.7	7.0	7.3	7.7	8.1	8.4	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.5
703	1061	2091	2.36	3.94	1.65	4.6	4.9	5.2	5.5	5.8	6.2	6.6	6.9	7.2	7.6	8.0	8.4	8.9	9.3	9.7	10.2	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1
703	1061	2091	2.95	4.92	1.65						4.9	5.3	5.6	5.9	6.3	6.8	7.2	7.6	8.0	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.8
699	1054	2078	1.87	3.15	1.66	5.7	6.0	6.3	6.6	6.8	7.2	7.6	7.9	8.2	8.6	9.0	9.4	9.9	10.3	10.7	11.2	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1
667	1006	1983	1.67	2.95	1.74	6.0	6.3	6.6	6.9	7.1	7.5	7.9	8.2	8.5	9.0	9.4	9.8	10.2	10.6	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.4
667	1006	1983	2.80	4.92	1.74					4.6	5.0	5.4	5.7	6.0	6.5	6.9	7.3	7.7	8.1	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	12.9
663	1000	1971	1.77	3.15	1.75	5.7	6.0	6.4	6.7	6.9	7.3	7.7	8.0	8.3	8.7	9.1	9.5	10.0	10.4	10.8	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2
655	989	1949	2.20	3.94	1.77	4.8	5.1	5.4	5.7	5.9	6.3	6.7	7.0	7.3	7.7	8.1	8.5	9.0	9.4	9.8	10.3	10.7	11.2	11.7	12.2	12.8	13.3	13.8	14.2
630	951	1875	2.64	4.92	1.84				4.5	4.7	5.1	5.5	5.9	6.2	6.6	7.0	7.4	7.8	8.2	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1
624	941	1855	1.67	3.15	1.86	5.8	6.1	6.4	6.7	7.0	7.4	7.8	8.1	8.4	8.8	9.2	9.6	10.0	10.4	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.2
620	936	1845	2.08	3.94	1.87	4.8	5.1	5.4	5.7	6.0	6.4	6.8	7.1	7.4	7.8	8.2	8.6	9.1	9.5	9.9	10.4	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3
592	893	1760	2.48	4.92	1.96			4.3	4.6	4.8	5.2	5.7	6.0	6.3	6.7	7.1	7.5	7.9	8.4	8.8	9.3	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2
589	888	1751	1.97	3.94	1.97	4.9	5.2	5.5	5.8	6.1	6.5	6.9	7.2	7.5	7.9	8.3	8.7	9.2	9.6	10.0	10.5	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4
586	884	1742	3.15	6.30	1.98												5.8	6.2	6.6	7.1	7.6	8.0	8.5	9.0	9.6	10.1	10.6	11.1	11.5
563	850	1675	2.36	4.92	2.06			4.3	4.7	4.9	5.3	5.7	6.0	6.4	6.8	7.2	7.6	8.0	8.4	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3
560	845	1667	1.87	3.94	2.07	5.0	5.3	5.6	5.9	6.2	6.6	7.0	7.3	7.6	8.0	8.4	8.8	9.2	9.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5
550	829	1635	2.95	6.30	2.11											5.5	5.9	6.4	6.8	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7
530	799	1575	1.77	3.94	2.19	5.1	5.4	5.7	6.0	6.2	6.6	7.0	7.3	7.6	8.0	8.4	8.9	9.3	9.7	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.5
527	795	1568	2.20	4.92	2.20			4.5	4.8	5.0	5.4	5.9	6.2	6.5	6.9	7.3	7.7	8.1	8.6	9.0	9.5	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4
523	788	1554	2.80	6.30	2.22										5.2	5.6	6.0	6.5	6.9	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8
502	758	1494	1.67	3.94	2.31	5.1	5.4	5.7	6.0	6.3	6.7	7.1	7.4	7.7	8.1	8.5	8.9	9.4	9.8	10.2	10.7	11.1	11.6	12.1	12.6	13.1	13.6	14.2	14.6
498	751	1481	2.08	4.92	2.33		4.2	4.5	4.8	5.1	5.5	5.9	6.2	6.6	7.0	7.4	7.8	8.2	8.6	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5
492	742	1462	2.64	6.30	2.36										5.3	5.7	6.1	6.6	7.0	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9
473	714	1408	1.97	4.92	2.45		4.3	4.6	4.9	5.2	5.6	6.0	6.3	6.6	7.0	7.4	7.9	8.3	8.7	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6
470	709	1397	3.15	7.87	2.47																	6.5	7.1	7.6	8.1	8.6	9.1	9.7	10.1
464	700	1380	2.48	6.30	2.50										5.4	5.8	6.2	6.7	7.1	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0
450	678	1337	1.87	4.92	2.58	4.0	4.4	4.7	5.0	5.2	5.7	6.1	6.4	6.7	7.1	7.5	7.9	8.4	8.8	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.6
441	665	1312	2.36	6.30	2.63									5.0	5.4	5.9	6.3	6.8	7.2	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1
441	665	1312	2.95	7.87	2.63																	6.7	7.2	7.7	8.2	8.8	9.3	9.8	10.3
426	643	1268	1.77	4.92	2.72	4.1	4.4	4.7	5.1	5.3	5.7	6.1	6.5	6.8	7.2	7.6	8.0	8.5	8.9	9.3	9.8	10.2	10.7	11.2	11.7	12.2	12.8	13.3	13.7
419	632	1245	2.80	7.87	2.77																6.3	6.7	7.3	7.8	8.3	8.9	9.4	9.9	10.4
413	623	1228	2.20	6.30	2.81									5.1	5.5	6.0	6.4	6.9	7.3	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2
403	608	1198	1.67	4.92	2.88	4.2	4.5	4.8	5.1	5.4	5.8	6.2	6.5	6.8	7.2	7.7	8.1	8.5	8.9	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8
395	595	1173	2.64	7.87	2.94																6.4	6.9	7.4	7.9	8.4	9.0	9.5	10.0	10.5
391	589	1162	2.08	6.30	2.97								4.9	5.2	5.6	6.1	6.5	7.0	7.4	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3
377	568	1120	3.15	9.84	3.08																							7.7	8.2
372	561	1106	2.48	7.87	3.12																6.5	7.0	7.5	8.0	8.6	9.1	9.6	10.1	10.6
371	559	1102	1.97	6.30	3.13								4.9	5.3	5.7	6.1	6.6	7.0	7.4	7.9	8.4	8.8	9.4	9.9	10.4	10.9	11.4	11.9	12.4
354	534	1052	2.36	7.87	3.28																6.5	7.0	7.6	8.1	8.6	9.2	9.7	10.2	10.7
353	532	1049	2.95	9.84	3.29																							7.8	8.3
352	530	1045	1.87	6.30	3.30							4.7	5.0	5.3	5.8	6.2	6.6	7.1	7.5	7.9	8.4	8.9	9.4	9.9	10.5	11.0	11.5	12.0	12.4
335	506	997	2.80	9.84	3.46																						7.3	7.9	8.4
333	503	991	1.77	6.30	3.48							4.7	5.1	5.4	5.8	6.3	6.7	7.2	7.6	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.1	12.5
330	499	983	2.20	7.87	3.51															6.1	6.6	7.1	7.7	8.2	8.7	9.3	9.8	10.3	10.8
316	477	940	2.64	9.84	3.67																						7.4	8.0	8.5

Key to correction factors: 0.8 0.9 1.0

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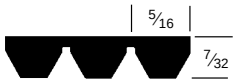

Length Designation and Center Distance, Inches

7M 1000	7M 1030	7M 1060	7M 1090	7M 1120	7M 1150	7M 1180	7M 1220	7M 1250	7M 1280	7M 1320	7M 1360	7M 1400	7M 1450	7M 1500	7M 1550	7M 1600	7M 1650	7M 1700	7M 1750	7M 1800	7M 1850	7M 1900	7M 1950	7M 2000	7M 2060	7M 2120	7M 2180	7M 2240	7M 2300	Speed Ratio
15.8	16.4	17.0	17.6	18.2	18.8	19.4	20.2	20.8	21.3	22.1	22.9	23.7	24.7	25.7	26.7	27.6	28.6	29.6	30.6	31.6	32.6	33.6	34.5	35.5	36.7	37.9	39.1	40.2	41.4	1.41
15.6	16.2	16.8	17.4	17.9	18.5	19.1	19.9	20.5	21.1	21.9	22.7	23.5	24.4	25.4	26.4	27.4	28.4	29.4	30.3	31.3	32.3	33.3	34.3	35.3	36.5	37.6	38.8	40.0	41.2	1.41
15.3	15.9	16.5	17.1	17.7	18.3	18.9	19.7	20.3	20.8	21.6	22.4	23.2	24.2	25.2	26.2	27.1	28.1	29.1	30.1	31.1	32.1	33.1	34.0	35.0	36.2	37.4	38.6	39.7	40.9	1.42
16.3	16.9	17.5	18.1	18.6	19.2	19.8	20.6	21.2	21.8	22.6	23.4	24.2	25.1	26.1	27.1	28.1	29.1	30.1	31.0	32.0	33.0	34.0	35.0	36.0	37.2	38.3	39.5	40.7	41.9	1.47
16.1	16.7	17.3	17.9	18.4	19.0	19.6	20.4	21.0	21.6	22.4	23.2	24.0	24.9	25.9	26.9	27.9	28.9	29.9	30.8	31.8	32.8	33.8	34.8	35.8	37.0	38.1	39.3	40.5	41.7	1.48
15.9	16.5	17.1	17.7	18.2	18.8	19.4	20.2	20.8	21.4	22.2	23.0	23.8	24.7	25.7	26.7	27.7	28.7	29.7	30.6	31.6	32.6	33.6	34.6	35.6	36.8	37.9	39.1	40.3	41.5	1.48
15.7	16.3	16.9	17.5	18.0	18.6	19.2	20.0	20.6	21.2	22.0	22.8	23.6	24.5	25.5	26.5	27.5	28.5	29.5	30.4	31.4	32.4	33.4	34.4	35.4	36.6	37.7	38.9	40.1	41.3	1.48
14.4	15.0	15.6	16.2	16.7	17.3	17.9	18.7	19.3	19.9	20.7	21.5	22.3	23.2	24.2	25.2	26.2	27.2	28.2	29.1	30.1	31.1	32.1	33.1	34.1	35.3	36.4	37.6	38.8	40.0	1.48
15.4	16.0	16.6	17.2	17.8	18.4	19.0	19.8	20.4	20.9	21.7	22.5	23.3	24.3	25.3	26.3	27.2	28.2	29.2	30.2	31.2	32.2	33.2	34.1	35.1	36.3	37.5	38.7	39.8	41.0	1.50
13.2	13.8	14.4	15.0	15.5	16.1	16.7	17.5	18.1	18.7	19.5	20.3	21.1	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	30.0	31.0	31.9	32.9	34.1	35.3	36.5	37.6	38.8	1.55
16.2	16.8	17.4	18.0	18.5	19.1	19.7	20.5	21.1	21.7	22.5	23.3	24.1	25.0	26.0	27.0	28.0	29.0	30.0	30.9	31.9	32.9	33.9	34.9	35.9	37.1	38.2	39.4	40.6	41.8	1.56
16.0	16.6	17.2	17.8	18.3	18.9	19.5	20.3	20.9	21.5	22.3	23.1	23.9	24.8	25.8	26.8	27.8	28.8	29.8	30.7	31.7	32.7	33.7	34.7	35.7	36.9	38.0	39.2	40.4	41.6	1.56
15.8	16.4	17.0	17.6	18.1	18.7	19.3	20.1	20.7	21.3	22.1	22.9	23.7	24.6	25.6	26.6	27.6	28.6	29.6	30.5	31.5	32.5	33.5	34.5	35.5	36.7	37.8	39.0	40.2	41.4	1.56
14.5	15.1	15.7	16.3	16.8	17.4	18.0	18.8	19.4	20.0	20.8	21.6	22.4	23.3	24.3	25.3	26.3	27.3	28.3	29.3	30.3	31.3	32.3	33.2	34.2	35.4	36.6	37.8	38.9	40.1	1.57
15.5	16.1	16.7	17.3	17.9	18.5	19.1	19.9	20.5	21.0	21.8	22.6	23.4	24.4	25.4	26.4	27.3	28.3	29.3	30.3	31.3	32.3	33.3	34.2	35.2	36.4	37.6	38.8	39.9	41.1	1.58
15.8	16.4	17.0	17.6	18.2	18.8	19.4	20.2	20.8	21.3	22.1	22.9	23.7	24.7	25.7	26.7	27.6	28.6	29.6	30.6	31.6	32.6	33.6	34.5	35.5	36.7	37.9	39.1	40.2	41.4	1.64
16.0	16.6	17.2	17.8	18.4	19.0	19.6	20.4	21.0	21.5	22.3	23.1	23.9	24.9	25.9	26.9	27.8	28.8	29.8	30.8	31.8	32.8	33.8	34.7	35.7	36.9	38.1	39.3	40.4	41.6	1.65
14.6	15.2	15.8	16.4	16.9	17.5	18.1	18.9	19.5	20.1	20.9	21.7	22.5	23.4	24.4	25.4	26.4	27.4	28.4	29.3	30.3	31.3	32.3	33.3	34.3	35.5	36.6	37.8	39.0	40.2	1.65
13.3	13.9	14.5	15.1	15.7	16.3	16.9	17.7	18.3	18.8	19.6	20.4	21.2	22.2	23.2	24.2	25.2	26.2	27.2	28.1	29.1	30.1	31.1	32.1	33.1	34.3	35.4	36.6	37.8	39.0	1.65
15.6	16.2	16.8	17.4	17.9	18.5	19.1	19.9	20.5	21.1	21.9	22.7	23.5	24.5	25.5	26.5	27.4	28.4	29.4	30.4	31.4	32.4	33.4	34.3	35.3	36.5	37.7	38.9	40.0	41.2	1.66
15.9	16.5	17.1	17.7	18.3	18.9	19.5	20.3	20.9	21.4	22.2	23.0	23.8	24.8	25.8	26.8	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.6	35.6	36.8	38.0	39.2	40.3	41.5	1.74
13.4	14.0	14.7	15.3	15.8	16.4	17.0	17.8	18.4	19.0	19.8	20.6	21.4	22.3	23.3	24.3	25.3	26.3	27.3	28.2	29.2	30.2	31.2	32.2	33.2	34.4	35.5	36.7	37.9	39.1	1.74
15.7	16.3	16.9	17.5	18.0	18.6	19.2	20.0	20.6	21.2	22.0	22.8	23.6	24.5	25.5	26.5	27.5	28.5	29.5	30.4	31.4	32.4	33.4	34.4	35.4	36.6	37.7	38.9	40.1	41.3	1.75
14.7	15.3	15.9	16.5	17.1	17.7	18.3	19.1	19.7	20.2	21.0	21.8	22.6	23.6	24.6	25.6	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.4	34.4	35.6	36.8	38.0	39.1	40.3	1.77
13.6	14.2	14.8	15.4	15.9	16.5	17.1	17.9	18.5	19.1	19.9	20.7	21.5	22.4	23.4	24.4	25.4	26.4	27.4	28.3	29.3	30.3	31.3	32.3	33.3	34.5	35.6	36.8	38.0	39.2	1.84
15.7	16.3	17.0	17.6	18.1	18.7	19.3	20.1	20.7	21.3	22.1	22.9	23.7	24.6	25.6	26.6	27.6	28.6	29.6	30.5	31.5	32.5	33.5	34.5	35.5	36.7	37.8	39.0	40.2	41.4	1.86
14.8	15.4	16.0	16.6	17.1	17.7	18.4	19.2	19.8	20.3	21.1	21.9	22.7	23.7	24.7	25.7	26.6	27.6	28.6	29.6	30.6	31.6	32.6	33.5	34.5	35.7	36.9	38.1	39.2	40.4	1.87
13.7	14.3	14.9	15.5	16.0	16.6	17.2	18.0	18.7	19.2	20.0	20.8	21.6	22.6	23.6	24.6	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.4	33.4	34.6	35.8	37.0	38.1	39.3	1.96
14.9	15.5	16.1	16.7	17.2	17.8	18.4	19.2	19.8	20.4	21.2	22.0	22.8	23.7	24.7	25.7	26.7	27.7	28.7	29.6	30.6	31.6	32.6	33.6	34.6	35.8	36.9	38.1	39.3	40.5	1.97
12.0	12.6	13.2	13.8	14.4	15.0	15.6	16.4	17.0	17.6	18.4	19.2	20.0	20.9	21.9	22.9	23.9	24.9	25.9	26.8	27.8	28.8	29.8	30.8	31.8	33.0	34.1	35.3	36.5	37.7	1.98
13.8	14.4	15.0	15.6	16.1	16.7	17.3	18.1	18.7	19.3	20.1	20.9	21.7	22.6	23.7	24.7	25.6	26.6	27.6	28.6	29.6	30.6	31.6	32.5	33.5	34.7	35.9	37.1	38.2	39.4	2.06
15.0	15.6	16.2	16.8	17.3	17.9	18.5	19.3	19.9	20.5	21.3	22.1	22.9	23.8	24.8	25.8	26.8	27.8	28.8	29.7	30.7	31.7	32.7	33.7	34.7	35.9	37.0	38.2	39.4	40.6	2.07
12.2	12.8	13.4	14.0	14.5	15.1	15.7	16.6	17.2	17.7	18.5	19.3	20.1	21.1	22.1	23.1	24.0	25.0	26.0	27.0	28.0	29.0	30.0	30.9	31.9	33.1	34.3	35.5	36.7	37.9	2.11
15.0	15.6	16.2	16.8	17.4	18.0	18.6	19.4	20.0	20.5	21.3	22.1	22.9	23.9	24.9	25.9	26.8	27.8	28.8	29.8	30.8	31.8	32.8	33.8	34.8	36.0	37.1	38.3	39.5	40.7	2.19
13.9	14.5	15.1	15.7	16.3	16.9	17.5	18.3	18.9	19.4	20.2	21.0	21.8	22.8	23.8	24.8	25.7	26.7	27.7	28.7	29.7	30.7	31.7	32.6	33.6	34.8	36.0	37.2	38.3	39.5	2.20
12.3	12.9	13.5	14.1	14.7	15.3	15.9	16.7	17.3	17.8	18.6	19.4	20.2	21.2	22.2	23.2	24.1	25.1	26.1	27.1	28.1	29.1	30.1	31.1	32.1	33.3	34.4	35.6	36.8	38.0	2.22
15.1	15.7	16.3	16.9	17.5	18.1	18.7	19.5	20.1	20.6	21.4	22.2	23.0	24.0	25.0	26.0	26.9	27.9	28.9	29.9	30.9	31.9	32.9	33.8	34.8	36.0	37.2	38.4	39.5	40.7	2.31
14.0	14.6	15.2	15.8	16.3	16.9	17.5	18.4	19.0	19.5	20.3	21.1	21.9	22.9	23.9	24.9	25.8	26.8	27.8	28.8	29.8	30.8	31.8	32.7	33.7	34.9	36.1	37.3	38.4	39.6	2.33
12.4	13.0	13.6	14.2	14.8	15.4	16.0	16.8	17.4	17.9	18.7	19.5	20.3	21.3	22.3	23.3	24.3	25.3	26.3	27.2	28.2	29.2	30.2	31.2	32.2	33.4	34.5	35.7	36.9	38.1	2.36
14.1	14.7	15.3	15.9	16.4	17.0	17.6	18.4	19.0	19.6	20.4	21.2	22.0	22.9	23.9	24.9	25.9	26.9	27.9	28.9	29.9	30.9	31.9	32.8	33.8	35.0	36.2	37.4	38.5	39.7	2.45
10.6	11.3	11.9	12.5	13.0	13.6	14.3	15.1	15.7	16.2	17.0	17.8	18.6	19.6	20.6	21.6	22.6	23.6	24.6	25.5	26.5	27.5	28.6	29.5	30.5	31.7	32.9	34.1	35.2	36.4	2.47
12.5	13.1	13.7	14.3	14.9	15.5	16.1	16.9	17.5	18.1	18.9	19.7	20.5	21.4	22.4	23.4	24.4	25.4	26.4	27.3	28.3	29.3	30.3	31.3	32.3	33.5	34.7	35.9	37.0	38.2	2.50
14.1	14.7	15.3	15.9	16.5	17.1	17.7	18.5	19.1	19.7	20.5	21.3	22.1	23.0	24.0	25.0	26.0	27.0	28.0	28.9	29.9	30.9	31.9	32.9	33.9	35.1	36.2	37.4	38.6	39.8	2.58
12.6	13.2	13.8	14.4	15.0	15.6	16.2	17.0	17.6	18.1	18.9	19.8	20.6	21.5	22.5	23.5	24.5	25.5	26.5	27.4	28.4	29.4	30.4	31.4	32.4	33.6	34.7	35.9	37.1	38.3	2.63
10.8	11.4	12.0	12.6	13.2	13.8	14.4	15.2	15.8	16.4	17.2	18.0	18.8	19.8	20.8	21.8	22.7	23.7	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.9	33.0	34.2	35.4	36.6	2.63
14.2	14.8	15.4	16.0	16.6	17.2	17.8	18.6	19.2	19.7	20.5	21.3	22.1	23.1	24.1	25.1	26.1	27.1	28.1	29.0	30.0	31.0	32.0	33.0	34.0	35.2	36.3	37.5	38.7	39.9	2.72
10.9	11.5	12.1	12.7	13.3	13.9	14.5	15.3	15.9	16.5	17.3	18.1	18.9	19.9	20.9	21.9	22.8	23.8	24.8	25.8	26.8	27.8	28.8	29.8	30.8	32.0	33.1	34.3	35.5	36.7	2.77
12.7	13.3	13.9	14.5	15.1	15.7	16.3	17.1	17.7	18.3	19.1	19.9	20.7	21.6	22.6	23.6	24.6	25.6	26.6	27.6	28.6	29.6	30.6	31.5	32.5	33.7	34.9	36.1	37.2	38.4	2.81
14.3	14.9	15.5	16.1	16.6	17.3	17.9	18.7	19.3	19.8	20.6	21.4	22.2	23.2	24.2	25.2	26.1	27.1	28.1	29.1	30.1	31.1	32.1	33.0	34.0	35.2	36.4	37.6	38.7	39.9	2.88
11.0	11.6	12.2	12.8	13.4	14.0	14.6	15.4	16.0	16.6	17.4	18.2	19.0	20.0	21.0	22.0	23.0	24.0	25.0	25.9	26.9	27.9	28.9	29.9	30.9	32.1	33.2	34.5	35.6	36.8	2.94
12.8	13.4	14.0	14.6	15.2	15.8	16.4	17.2	17.8	18.4	19.2	20.0	20.8	21.7	22.7	23.7	24.7	25.7	26.7	27.6	28.6	29.6	30.6	31.6	32.6	33.8	35.0	36.2	37.3	38.5	2.97
8.7	9.4	10.0	10.6	11.2	11.8	12.5	13.3	13.9	14.5	15.3	16.1	16.9	17.9	18.9	19.9	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.9	30.1	31.2	32.4	33.6	34.8	3.08
11.1	11.7	12.3	12.9	13.5	14.1	14.7	15.5	16.2	16.7	17.5	18.3	19.1	20.1	21.1	22.1	23.1	24.1	25.1	26.0	27.0	28.0	29.1	30.0	31.0	32.2	33.4	34.6	35.7	36.9	3.12
12.9	13.5	14.1	14.7	15.3	15.9	16.5	17.3	17.9	18.4	19.2	20.0	20.8	21.8	22.8	23.8	24.8	25.8	26.8	27.7	28.7	29.7	30.7	31.7	32.7	33.9	35.0	36.2	37.4	38.6	3.13
11.2	11.8	12.4	13.0	13.6	14.2	14.8	15.6	16.2	16.8	17.6	18.4	19.2	20.2	21.2	22.2	23.2	24.2	25.2	26.1	27.1	28.1	29.1	30.1	31.1	32.3	33.5	34.7	35.8	37.0	3.28
8.8	9.5	10.1	10.8	11.3	12.0	12.6	13.4	14.0	14.6	15.4	16.2	17.1	18.0	19.0	20.1	21.0	22.0	23.1	24.0	25.0	26.0	27.0	28.0	29.0	30.2	31.4	32.6	33.7	34.9	3.29
12.9	13.6	14.2	14.8	15.3	15.9	16.5	17.3	17.9	18.5	19.3	20.1	20.9	21.9	22.9	23.9	24.8	25.8	26.8	27.8	28.8	29.8	30.8	31.8	32.8	34.0	35.1	36.3	37.5	38.7	3.30
8.9	9.6	10.2	10.9	11.4	12.1	12.7	13.5	14.1	14.7	15.5	16.3	17.2	18.1	19.2	20.2	21.1	22.1	23.2	24.1	25.1	26.1	27.1	28.1	29.1	30.3	31.5	32.7	33.8	35.1	3.46
13.0	13.6	14.2	14.8	15.4	16.0	16.6	17.4	18.0	18.6	19.4	20.2	21.0	21.9	23.0	24.0	24.9	25.9	26.9	27.9	28.9	29.9	30.9	31.8	32.8	34.0	35.2	36.4	37.5	38.7	3.48
11.3	11.9	12.5	13.1	13.7	14.3	14.9	15.7	16.3	16.9	17.7	18.5	19.3	20.3	21.3	22.3	23.3	24.3	25.3	26.2	27.2	28.3	29.3	30.2	31.2	32.4	33.6	34.8	35.9	37.1	3.51
9.0	9.7	10.3	11.0	11.5	12.2	12.8	13.6	14.2	14.8	15.6	16.5	17.3	18.2	19.3	20.3	21.2	22.3	23.3	24.2	25.2	26.3	27.3	28.2	29.2	30.4	31.6	32.8	34.0	35.2	3.67

Key to correction factors: 0.9 | 1.0 | 1.1 | 1.2 | 1.3

Drive Selection For 7M Polyflex® JB® Belts

Table No. 26

DriveN Speed For Motor Speed of			Sheave Outside Diameter Inches			Length Designation and Center Distance, Inches																					
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	7M 500	7M 515	7M 530	7M 545	7M 560	7M 580	7M 600	7M 615	7M 630	7M 650	7M 670	7M 690	7M 710	7M 730	7M 750	7M 775	7M 800	7M 825	7M 850	7M 875	7M 900	7M 925	7M 950	7M 975
315	476	938	1.67	6.30	3.68							4.8	5.1	5.5	5.9	6.3	6.7	7.2	7.6	8.1	8.6	9.0	9.6	10.1	10.6	11.1	11.6	12.1	12.6
313	472	930	2.08	7.87	3.71															6.2	6.7	7.2	7.7	8.3	8.8	9.3	9.9	10.4	10.9
299	451	889	3.15	12.40	3.88																								
297	449	885	2.48	9.84	3.90																						7.5	8.1	8.6
297	448	882	1.97	7.87	3.91															6.2	6.8	7.3	7.8	8.4	8.9	9.4	9.9	10.5	10.9
284	428	844	2.36	9.84	4.09																					7.0	7.6	8.2	8.7
282	426	839	1.87	7.87	4.11														5.8	6.3	6.8	7.3	7.9	8.4	9.0	9.5	10.0	10.5	11.0
280	423	833	2.95	12.40	4.14																								
268	404	797	1.77	7.87	4.33														5.9	6.4	6.9	7.4	7.9	8.5	9.0	9.5	10.1	10.6	11.1
266	401	791	2.80	12.40	4.36																								
265	400	788	2.20	9.84	4.38																					7.1	7.7	8.3	8.8
253	382	753	1.67	7.87	4.58													5.5	6.0	6.4	7.0	7.5	8.0	8.5	9.1	9.6	10.1	10.7	11.1
252	380	748	2.64	12.40	4.61																								
251	378	745	2.08	9.84	4.63																					7.2	7.8	8.3	8.8
238	359	707	1.97	9.84	4.88																					7.3	7.8	8.4	8.9
236	356	703	2.48	12.40	4.91																								
236	356	703	3.15	15.70	4.91																								
226	341	673	1.87	9.84	5.13																					7.3	7.9	8.5	9.0
225	340	670	2.36	12.40	5.15																								
221	334	658	2.95	15.70	5.24																								
214	323	638	1.77	9.84	5.41																				6.8	7.4	8.0	8.5	9.0
211	318	626	2.20	12.40	5.51																								
211	318	626	2.80	15.70	5.51																								
203	306	603	1.67	9.84	5.72																				6.8	7.4	8.0	8.6	9.1
199	301	593	2.08	12.40	5.82																								
199	300	591	2.64	15.70	5.84																								
189	285	562	1.97	12.40	6.14																								
187	283	557	3.15	19.80	6.19																								
187	282	556	2.48	15.70	6.20																								
180	271	534	1.87	12.40	6.46																								
178	269	530	2.36	15.70	6.51																								
176	265	523	2.95	19.80	6.60																								
170	257	507	1.77	12.40	6.81																								
167	252	497	2.80	19.80	6.94																								
166	251	495	2.20	15.70	6.97																								
161	243	479	1.67	12.40	7.20																								
158	238	469	2.08	15.70	7.36																								
158	238	469	2.64	19.80	7.36																								
150	226	446	3.15	24.80	7.74																								
149	226	445	1.97	15.70	7.76																								
148	224	441	2.48	19.80	7.82																								
142	214	422	1.87	15.70	8.17																								
141	213	420	2.36	19.80	8.21																								
140	212	418	2.95	24.80	8.26																								
135	203	401	1.77	15.70	8.61																								
133	201	397	2.80	24.80	8.69																								
132	199	392	2.20	19.80	8.79																								
127	192	379	1.67	15.70	9.11																								
126	190	375	2.64	24.80	9.21																								
125	189	372	2.08	19.80	9.28																								
119	179	353	1.97	19.80	9.78																								
118	179	352	2.48	24.80	9.79																								
113	170	336	2.36	24.80	10.27																								
113	170	335	1.87	19.80	10.29																								
107	161	318	1.77	19.80	10.85																								
105	159	314	2.20	24.80	11.00																								
101	152	301	1.67	19.80	11.48																								
100	151	297	2.08	24.80	11.62																								
95	143	282	1.97	24.80	12.25																								
90	136	268	1.87	24.80	12.88																								
85	129	254	1.77	24.80	13.58																								
81	122	240	1.67	24.80	14.37																								

Key to correction factors: 0.7 0.8 0.9 1.0

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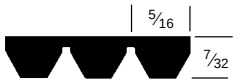

Length Designation and Center Distance, Inches

7M 1000	7M 1030	7M 1060	7M 1090	7M 1120	7M 1150	7M 1180	7M 1220	7M 1250	7M 1280	7M 1320	7M 1360	7M 1400	7M 1450	7M 1500	7M 1550	7M 1600	7M 1650	7M 1700	7M 1750	7M 1800	7M 1850	7M 1900	7M 1950	7M 2000	7M 2060	7M 2120	7M 2180	7M 2240	7M 2300	Speed Ratio
13.1	13.7	14.3	14.9	15.5	16.1	16.7	17.5	18.1	18.6	19.5	20.3	21.1	22.0	23.0	24.0	25.0	26.0	27.0	27.9	29.0	30.0	31.0	31.9	32.9	34.1	35.3	36.5	37.6	38.8	3.68
11.4	12.0	12.6	13.2	13.8	14.4	15.0	15.8	16.4	17.0	17.8	18.6	19.4	20.4	21.4	22.4	23.4	24.4	25.4	26.3	27.3	28.3	29.3	30.3	31.3	32.5	33.7	34.9	36.0	37.2	3.71
					9.1	9.8	10.7	11.4	11.9	12.8	13.7	14.5	15.5	16.5	17.6	18.6	19.6	20.6	21.6	22.6	23.6	24.7	25.6	26.6	27.9	29.0	30.2	31.4	32.6	3.88
9.1	9.8	10.4	11.1	11.6	12.3	12.9	13.7	14.4	14.9	15.7	16.6	17.4	18.4	19.4	20.4	21.4	22.4	23.4	24.4	25.4	26.4	27.4	28.3	29.3	30.6	31.7	32.9	34.1	35.3	3.90
11.4	12.1	12.7	13.3	13.9	14.5	15.1	15.9	16.5	17.1	17.9	18.7	19.5	20.5	21.5	22.5	23.4	24.4	25.5	26.4	27.4	28.4	29.4	30.4	31.4	32.6	33.7	35.0	36.1	37.3	3.91
9.2	9.9	10.5	11.1	11.7	12.4	13.0	13.8	14.4	15.0	15.8	16.7	17.5	18.4	19.5	20.5	21.4	22.5	23.5	24.4	25.4	26.5	27.5	28.4	29.4	30.6	31.8	33.0	34.2	35.4	4.09
11.5	12.1	12.8	13.4	13.9	14.5	15.2	16.0	16.6	17.1	18.0	18.8	19.6	20.5	21.5	22.6	23.5	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.7	33.8	35.0	36.2	37.4	4.11
					9.2	9.9	10.8	11.5	12.1	12.9	13.8	14.6	15.6	16.7	17.7	18.7	19.7	20.8	21.7	22.8	23.8	24.8	25.8	26.8	28.0	29.2	30.4	31.5	32.8	4.14
11.6	12.2	12.8	13.4	14.0	14.6	15.2	16.0	16.7	17.2	18.0	18.8	19.6	20.6	21.6	22.6	23.6	24.6	25.6	26.6	27.6	28.6	29.6	30.5	31.5	32.7	33.9	35.1	36.3	37.5	4.33
					9.3	10.0	10.9	11.6	12.2	13.0	13.9	14.7	15.7	16.8	17.8	18.8	19.8	20.9	21.8	22.9	23.9	24.9	25.9	26.9	28.1	29.3	30.5	31.7	32.9	4.36
9.3	10.0	10.6	11.3	11.8	12.5	13.1	13.9	14.5	15.1	15.9	16.8	17.6	18.6	19.6	20.6	21.6	22.6	23.6	24.6	25.6	26.6	27.6	28.5	29.6	30.8	31.9	33.1	34.3	35.5	4.38
11.6	12.3	12.9	13.5	14.1	14.7	15.3	16.1	16.7	17.3	18.1	18.9	19.7	20.7	21.7	22.7	23.7	24.7	25.7	26.6	27.6	28.6	29.6	30.6	31.6	32.8	34.0	35.2	36.3	37.5	4.58
				8.7	9.4	10.1	11.0	11.7	12.3	13.1	14.0	14.8	15.8	16.9	17.9	18.9	19.9	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.2	29.4	30.6	31.8	33.0	4.61
9.4	10.0	10.7	11.3	11.9	12.5	13.2	14.0	14.6	15.2	16.0	16.8	17.7	18.6	19.7	20.7	21.6	22.7	23.7	24.6	25.6	26.7	27.7	28.6	29.6	30.8	32.0	33.2	34.4	35.6	4.63
9.5	10.1	10.8	11.4	12.0	12.6	13.2	14.1	14.7	15.3	16.1	16.9	17.7	18.7	19.7	20.8	21.7	22.7	23.8	24.7	25.7	26.7	27.8	28.7	29.7	30.9	32.1	33.3	34.5	35.7	4.88
				8.8	9.5	10.2	11.1	11.8	12.4	13.2	14.1	14.9	15.9	17.0	18.0	19.0	20.1	21.1	22.1	23.1	24.1	25.1	26.1	27.1	28.3	29.5	30.7	31.9	33.1	4.91
												10.8	12.0	13.1	14.2	15.3	16.3	17.4	18.4	19.5	20.5	21.6	22.6	23.6	24.9	26.0	27.3	28.5	29.7	4.91
9.5	10.2	10.8	11.5	12.0	12.7	13.3	14.1	14.8	15.3	16.2	17.0	17.8	18.8	19.8	20.8	21.8	22.8	23.8	24.8	25.8	26.8	27.8	28.8	29.8	31.0	32.2	33.4	34.5	35.7	5.13
				8.9	9.6	10.3	11.2	11.9	12.5	13.3	14.2	15.0	16.0	17.1	18.1	19.1	20.1	21.2	22.1	23.2	24.2	25.2	26.2	27.2	28.4	29.6	30.8	32.0	33.2	5.15
												11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.6	19.6	20.7	21.7	22.7	23.8	25.0	26.2	27.4	28.6	29.8	5.24
9.6	10.2	10.9	11.5	12.1	12.7	13.4	14.2	14.8	15.4	16.2	17.1	17.9	18.9	19.9	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.9	29.9	31.1	32.2	33.4	34.6	35.8	5.41
			8.3	9.0	9.7	10.4	11.3	12.0	12.6	13.4	14.3	15.1	16.1	17.2	18.2	19.2	20.2	21.3	22.3	23.3	24.3	25.3	26.3	27.3	28.5	29.7	30.9	32.1	33.3	5.51
												11.0	12.2	13.3	14.4	15.5	16.6	17.6	18.7	19.7	20.8	21.8	22.8	23.9	25.1	26.3	27.5	28.7	29.9	5.51
9.7	10.3	11.0	11.6	12.2	12.8	13.4	14.3	14.9	15.5	16.3	17.1	17.9	18.9	19.9	21.0	21.9	23.0	24.0	24.9	25.9	27.0	28.0	28.9	29.9	31.1	32.3	33.5	34.7	35.9	5.72
			8.4	9.1	9.8	10.5	11.4	12.0	12.6	13.5	14.4	15.2	16.2	17.3	18.3	19.3	20.3	21.4	22.3	23.4	24.4	25.4	26.4	27.4	28.6	29.8	31.0	32.2	33.4	5.82
												11.1	12.3	13.4	14.5	15.6	16.7	17.8	18.8	19.8	20.9	21.9	22.9	24.0	25.2	26.4	27.6	28.8	30.0	5.84
			8.5	9.1	9.8	10.5	11.4	12.1	12.7	13.6	14.4	15.3	16.3	17.3	18.4	19.4	20.4	21.4	22.4	23.4	24.5	25.5	26.5	27.5	28.7	29.9	31.1	32.2	33.5	6.14
																		12.6	13.8	15.0	16.1	17.3	18.3	19.5	20.8	22.0	23.3	24.5	25.8	6.19
											10.2	11.2	12.4	13.5	14.6	15.7	16.8	17.9	18.9	19.9	21.0	22.0	23.0	24.1	25.3	26.5	27.7	28.9	30.2	6.20
			8.5	9.2	9.9	10.6	11.5	12.2	12.8	13.6	14.5	15.3	16.4	17.4	18.4	19.4	20.5	21.5	22.5	23.5	24.5	25.6	26.5	27.5	28.8	29.9	31.2	32.3	33.5	6.46
											10.3	11.3	12.4	13.6	14.7	15.8	16.9	17.9	18.9	20.0	21.1	22.1	23.1	24.2	25.4	26.6	27.8	29.0	30.2	6.51
																		12.7	13.9	15.1	16.3	17.4	18.5	19.6	20.9	22.1	23.4	24.7	25.9	6.60
			8.6	9.2	10.0	10.7	11.6	12.2	12.8	13.7	14.6	15.4	16.4	17.5	18.5	19.5	20.5	21.6	22.6	23.6	24.6	25.6	26.6	27.6	28.8	30.0	31.2	32.4	33.6	6.81
																		12.8	14.0	15.2	16.3	17.5	18.6	19.7	21.0	22.2	23.5	24.7	26.0	6.94
											10.4	11.4	12.5	13.7	14.8	15.9	17.0	18.0	19.1	20.1	21.2	22.2	23.2	24.3	25.5	26.7	27.9	29.1	30.3	6.97
			8.6	9.3	10.0	10.7	11.6	12.3	12.9	13.8	14.6	15.5	16.5	17.5	18.6	19.6	20.6	21.6	22.6	23.6	24.7	25.7	26.7	27.7	28.9	30.1	31.3	32.5	33.7	7.20
											10.5	11.5	12.6	13.8	14.9	15.9	17.0	18.1	19.1	20.2	21.3	22.3	23.3	24.3	25.6	26.8	28.0	29.2	30.4	7.36
																		12.9	14.1	15.3	16.4	17.6	18.7	19.8	21.1	22.3	23.6	24.9	26.1	7.36
																										16.0	17.5	18.9	20.3	7.74
											10.5	11.5	12.7	13.8	15.0	16.0	17.1	18.2	19.2	20.3	21.3	22.4	23.4	24.4	25.7	26.9	28.1	29.3	30.5	7.76
																		13.0	14.2	15.4	16.5	17.7	18.8	19.9	21.2	22.4	23.7	25.0	26.2	7.82
											10.6	11.6	12.7	13.9	15.0	16.1	17.2	18.2	19.3	20.3	21.4	22.4	23.4	24.5	25.7	26.9	28.2	29.3	30.6	8.17
																		13.0	14.2	15.4	16.6	17.8	18.8	19.9	21.3	22.5	23.8	25.0	26.3	8.21
																										16.1	17.6	19.0	20.4	8.26
											10.7	11.7	12.8	13.9	15.1	16.1	17.2	18.3	19.3	20.4	21.5	22.5	23.5	24.5	25.8	27.0	28.2	29.4	30.6	8.61
																										16.2	17.7	19.1	20.5	8.69
																		13.1	14.3	15.5	16.7	17.9	18.9	20.0	21.4	22.6	23.9	25.1	26.4	8.79
											10.7	11.7	12.8	14.0	15.1	16.2	17.3	18.4	19.4	20.5	21.5	22.6	23.6	24.6	25.9	27.1	28.3	29.5	30.7	9.11
																										16.3	17.8	19.2	20.6	9.21
																		13.2	14.4	15.6	16.8	17.9	19.0	20.1	21.4	22.7	24.0	25.2	26.5	9.28
																		13.3	14.5	15.7	16.9	18.0	19.1	20.2	21.5	22.8	24.1	25.3	26.6	9.78
																										16.4	17.9	19.3	20.7	9.79
																										16.5	18.0	19.4	20.8	10.27
																	12.0	13.3	14.5	15.7	16.9	18.1	19.1	20.3	21.6	22.8	24.1	25.4	26.6	10.29
																	12.0	13.4	14.6	15.8	17.0	18.1	19.2	20.3	21.6	22.9	24.2	25.4	26.7	10.85
																									15.0	16.5	18.1	19.5	20.9	11.00
																	12.1	13.4	14.6	15.9	17.0	18.2	19.3	20.4	21.7	23.0	24.3	25.5	26.8	11.48
																									15.1	16.6	18.1	19.5	21.0	11.62
																									15.1	16.7	18.2	19.6	21.0	12.25
																									15.2	16.7	18.3	19.7	21.1	12.88
																									15.2	16.8	18.3	19.7	21.2	13.58
																									15.3	16.9	18.4	19.8	21.2	14.37

Key to correction factors: 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2

Drive Selection For 11M Polyflex® JB® Belts

Table No. 27

DriveN Speed For Motor Speed of			Sheave Outside Diameter Inches			Length Designation and Center Distance, Inches																	
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	11M 710	11M 730	11M 750	11M 775	11M 800	11M 825	11M 850	11M 875	11M 900	11M 925	11M 950	11M 975	11M 1000	11M 1030	11M 1060	11M 1090	11M 1120	11M 1150	11M 1180
1160	1750	3450	2.64	2.64	1.00	9.5	9.9	10.3	10.8	11.3	11.8	12.3	12.7	13.2	13.7	14.2	14.7	15.2	15.8	16.4	17.0	17.6	18.2	18.8
1160	1750	3450	2.80	2.80	1.00	9.3	9.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.6	16.1	16.7	17.3	17.9	18.5
1160	1750	3450	2.95	2.95	1.00	9.0	9.4	9.8	10.3	10.8	11.3	11.8	12.2	12.7	13.2	13.7	14.2	14.7	15.3	15.9	16.5	17.1	17.7	18.3
1160	1750	3450	3.15	3.15	1.00	8.7	9.1	9.5	10.0	10.5	11.0	11.5	11.9	12.4	12.9	13.4	13.9	14.4	15.0	15.6	16.2	16.8	17.4	18.0
1160	1750	3450	3.35	3.35	1.00	8.4	8.7	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.7	15.2	15.8	16.4	17.0	17.6
1160	1750	3450	3.54	3.54	1.00	8.1	8.4	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.4	14.9	15.5	16.1	16.7	17.3
1160	1750	3450	3.74	3.74	1.00	7.8	8.1	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.1	14.6	15.2	15.8	16.4	17.0
1160	1750	3450	3.94	3.94	1.00	7.5	7.8	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.8	14.3	14.9	15.5	16.1	16.7
1160	1750	3450	4.17	4.17	1.00	7.1	7.5	7.9	8.4	8.9	9.4	9.9	10.3	10.8	11.3	11.8	12.3	12.8	13.4	14.0	14.6	15.2	15.8	16.4
1160	1750	3450	4.41	4.41	1.00	6.7	7.1	7.5	8.0	8.5	9.0	9.5	9.9	10.4	10.9	11.4	11.9	12.4	13.0	13.6	14.2	14.8	15.4	16.0
1160	1750	3450	4.65	4.65	1.00	6.3	6.7	7.1	7.6	8.1	8.6	9.1	9.5	10.0	10.5	11.0	11.5	12.0	12.6	13.2	13.8	14.4	15.0	15.6
1160	1750	3450	4.92	4.92	1.00		6.3	6.7	7.2	7.7	8.2	8.7	9.1	9.6	10.1	10.6	11.1	11.6	12.2	12.8	13.4	14.0	14.6	15.2
1105	1667	3286	2.80	2.95	1.05	9.1	9.5	9.9	10.4	10.9	11.4	11.9	12.3	12.8	13.3	13.8	14.3	14.8	15.4	16.0	16.6	17.2	17.8	18.4
1105	1667	3286	3.74	3.94	1.05	7.6	8.0	8.4	8.9	9.4	9.9	10.4	10.8	11.3	11.8	12.3	12.8	13.3	13.9	14.5	15.1	15.7	16.3	16.9
1105	1667	3286	4.41	4.65	1.05	6.5	6.9	7.3	7.8	8.3	8.8	9.3	9.7	10.2	10.7	11.2	11.7	12.2	12.8	13.4	14.0	14.6	15.2	15.8
1094	1651	3255	2.64	2.80	1.06	9.4	9.7	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.7	16.2	16.8	17.4	18.0	18.6
1094	1651	3255	3.15	3.35	1.06	8.5	8.9	9.3	9.8	10.3	10.8	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.8	15.4	16.0	16.6	17.2	17.8
1094	1651	3255	3.35	3.54	1.06	8.2	8.6	9.0	9.5	10.0	10.5	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.5	15.1	15.7	16.3	16.9	17.5
1094	1651	3255	3.54	3.74	1.06	7.9	8.3	8.7	9.2	9.7	10.2	10.7	11.1	11.6	12.1	12.6	13.1	13.6	14.2	14.8	15.4	16.0	16.6	17.2
1094	1651	3255	3.94	4.17	1.06	7.3	7.6	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.6	14.1	14.7	15.3	15.9	16.5
1094	1651	3255	4.17	4.41	1.06	6.9	7.3	7.7	8.2	8.7	9.2	9.7	10.1	10.6	11.1	11.6	12.1	12.6	13.2	13.8	14.4	15.0	15.6	16.2
1094	1651	3255	4.65	4.92	1.06	6.1	6.5	6.9	7.4	7.9	8.4	8.9	9.3	9.8	10.3	10.8	11.3	11.8	12.4	13.0	13.6	14.2	14.8	15.4
1084	1636	3224	2.95	3.15	1.07	8.9	9.2	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.2	15.7	16.3	16.9	17.5	18.1
1045	1577	3108	2.64	2.95	1.11	9.3	9.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.6	16.1	16.7	17.3	17.9	18.5
1045	1577	3108	3.35	3.74	1.11	8.1	8.4	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.4	14.9	15.5	16.1	16.7	17.3
1045	1577	3108	3.54	3.94	1.11	7.8	8.1	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.1	14.6	15.2	15.8	16.4	17.0
1045	1577	3108	3.74	4.17	1.11	7.4	7.8	8.2	8.7	9.2	9.7	10.2	10.6	11.1	11.6	12.1	12.6	13.1	13.7	14.3	14.9	15.5	16.1	16.7
1045	1577	3108	4.17	4.65	1.11	6.7	7.1	7.5	8.0	8.5	9.0	9.5	9.9	10.4	10.9	11.4	11.9	12.4	13.0	13.6	14.2	14.8	15.4	16.0
1045	1577	3108	4.41	4.92	1.11	6.3	6.7	7.1	7.6	8.1	8.6	9.1	9.5	10.0	10.5	11.0	11.5	12.0	12.6	13.2	13.8	14.4	15.0	15.6
1036	1563	3080	2.80	3.15	1.12	9.0	9.3	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.3	15.8	16.4	17.0	17.6	18.2
1036	1563	3080	3.15	3.54	1.12	8.4	8.7	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.7	15.2	15.8	16.4	17.0	17.6
1036	1563	3080	3.94	4.41	1.12	7.1	7.4	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.4	13.9	14.5	15.1	15.7	16.3
1027	1549	3053	2.95	3.35	1.13	8.7	9.1	9.5	10.0	10.5	11.0	11.5	11.9	12.4	12.9	13.4	13.9	14.4	15.0	15.6	16.2	16.8	17.4	18.0
991	1496	2949	3.35	3.94	1.17	7.9	8.3	8.7	9.2	9.7	10.2	10.7	11.1	11.6	12.1	12.6	13.1	13.6	14.2	14.8	15.4	16.0	16.6	17.2
991	1496	2949	3.54	4.17	1.17	7.6	7.9	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.9	14.4	15.0	15.6	16.2	16.8
983	1483	2924	3.15	3.74	1.18	8.2	8.6	9.0	9.5	10.0	10.5	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.5	15.1	15.7	16.3	16.9	17.5
983	1483	2924	3.74	4.41	1.18	7.2	7.6	8.0	8.5	9.0	9.5	10.0	10.4	10.9	11.4	11.9	12.4	12.9	13.5	14.1	14.7	15.3	15.9	16.5
983	1483	2924	3.94	4.65	1.18	6.9	7.2	7.6	8.1	8.6	9.1	9.7	10.1	10.6	11.1	11.6	12.1	12.6	13.2	13.8	14.4	15.0	15.6	16.2
983	1483	2924	4.17	4.92	1.18	6.5	6.9	7.3	7.8	8.3	8.8	9.3	9.7	10.2	10.7	11.2	11.7	12.2	12.8	13.4	14.0	14.6	15.2	15.8
975	1471	2899	2.64	3.15	1.19	9.1	9.5	9.9	10.4	10.9	11.4	11.9	12.3	12.8	13.3	13.8	14.3	14.8	15.4	16.0	16.6	17.2	17.8	18.4
975	1471	2899	2.80	3.35	1.19	8.8	9.2	9.6	10.1	10.6	11.1	11.6	12.0	12.5	13.0	13.5	14.0	14.5	15.1	15.7	16.3	16.9	17.5	18.1
967	1458	2875	2.95	3.54	1.20	8.6	8.9	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.9	15.4	16.0	16.6	17.2	17.8
935	1411	2782	3.35	4.17	1.24	7.7	8.1	8.5	9.0	9.5	10.0	10.5	10.9	11.4	11.9	12.4	12.9	13.4	14.0	14.6	15.2	15.8	16.4	17.0
935	1411	2782	3.54	4.41	1.24	7.4	7.7	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.7	14.3	14.9	15.5	16.1	16.7
935	1411	2782	3.74	4.65	1.24	7.0	7.4	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.4	13.9	14.5	15.1	15.7	16.3
935	1411	2782	3.94	4.92	1.24	6.7	7.0	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	13.0	13.5	14.1	14.7	15.3	15.9
928	1400	2760	3.15	3.94	1.25	8.1	8.4	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.4	14.9	15.5	16.1	16.7	17.3
921	1389	2738	2.64	3.35	1.26	8.9	9.3	9.7	10.2	10.7	11.2	11.7	12.1	12.6	13.1	13.6	14.1	14.6	15.2	15.8	16.4	17.0	17.6	18.2
921	1389	2738	2.80	3.54	1.26	8.7	9.0	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	15.0	15.5	16.1	16.7	17.3	17.9
921	1389	2738	2.95	3.74	1.26	8.4	8.7	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.7	15.2	15.8	16.4	17.0	17.6
906	1367	2695	4.92	6.30	1.28						7.1	7.6	8.0	8.5	9.0	9.5	10.0	10.5	11.1	11.7	12.3	12.9	13.5	14.1
885	1336	2634	3.35	4.41	1.31	7.5	7.9	8.3	8.8	9.3	9.8	10.3	10.7	11.2	11.7	12.2	12.7	13.2	13.8	14.4	15.0	15.6	16.2	16.8
885	1336	2634	3.54	4.65	1.31	7.2	7.6	8.0	8.5	9.0	9.5	10.0	10.4	10.9	11.4	11.9	12.4	12.9	13.5	14.1	14.7	15.3	15.9	16.5
885	1336	2634	3.74	4.92	1.31	6.8	7.2	7.6	8.1	8.6	9.1	9.6	10.0	10.5	11.0	11.5	12.0	12.5	13.1	13.7	14.3	14.9	15.5	16.1
879	1326	2614	3.15	4.17	1.32	7.9	8.2	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.2	14.7	15.3	15.9	16.5	17.1
872	1316	2594	2.64	3.54	1.33	8.8	9.1	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.1	15.6	16.2	16.8	17.4	18.0
872	1316	2594	2.80	3.74	1.33	8.5	8.9	9.3	9.8	10.3	10.8	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.8	15.4	16.0	16.6	17.2	17.8
872	1316	2594	2.95	3.94	1.33	8.2	8.6	9.0	9.5	10.0	10.5	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.5	15.1	15.7	16.3	16.9	17.5
859	1296	2556	4.65	6.30	1.35					6.8	7.3	7.8	8.2	8.7	9.2	9.7	10.2	10.7	11.3	11.9	12.5	13.1	13.7	14.3
841	1268	2500	3.35	4.65	1.38	7.3	7.7	8.1	8.6	9.1	9.6	10.1	10.5	11.1	11.6	12.1	12.6	13.1	13.7	14.2	14.8	15.4	16.0	16.6
841	1268	2500	3.54	4.92	1.38	7.0	7.3	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.3	13.8	14.4	15.0	15.6	16.2
835	1259	2482	3.15	4.41	1.39	7.7	8.0	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	14.0	14.6	15.2	15.8	16.4	17.0

Key to correction factors: 0.9 1.0

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Length Designation and Center Distance, Inches

11M 1220	11M 1250	11M 1280	11M 1320	11M 1360	11M 1400	11M 1450	11M 1500	11M 1550	11M 1600	11M 1650	11M 1700	11M 1750	11M 1800	11M 1850	11M 1900	11M 1950	11M 2000	11M 2060	11M 2120	11M 2180	11M 2240	11M 2300	Speed Ratio
19.5	20.1	20.7	21.5	22.3	23.1	24.1	25.1	26.0	27.0	28.0	29.0	30.0	31.0	31.9	32.9	33.9	34.9	36.1	37.3	38.4	39.6	40.8	1.00
19.3	19.9	20.5	21.3	22.0	22.8	23.8	24.8	25.8	26.8	27.8	28.7	29.7	30.7	31.7	32.7	33.7	34.6	35.8	37.0	38.2	39.4	40.6	1.00
19.0	19.6	20.2	21.0	21.8	22.6	23.6	24.6	25.5	26.5	27.5	28.5	29.5	30.5	31.4	32.4	33.4	34.4	35.6	36.8	37.9	39.1	40.3	1.00
18.7	19.3	19.9	20.7	21.5	22.3	23.3	24.3	25.2	26.2	27.2	28.2	29.2	30.2	31.1	32.1	33.1	34.1	35.3	36.5	37.6	38.8	40.0	1.00
18.4	19.0	19.6	20.4	21.1	21.9	22.9	23.9	24.9	25.9	26.9	27.8	28.8	29.8	30.8	31.8	32.8	33.7	34.9	36.1	37.3	38.5	39.7	1.00
18.1	18.7	19.3	20.1	20.8	21.6	22.6	23.6	24.6	25.6	26.6	27.5	28.5	29.5	30.5	31.5	32.5	33.4	34.6	35.8	37.0	38.2	39.4	1.00
17.8	18.4	19.0	19.8	20.5	21.3	22.3	23.3	24.3	25.3	26.3	27.2	28.2	29.2	30.2	31.2	32.2	33.1	34.3	35.5	36.7	37.9	39.1	1.00
17.5	18.1	18.7	19.5	20.2	21.0	22.0	23.0	24.0	25.0	26.0	26.9	27.9	28.9	29.9	30.9	31.9	32.8	34.0	35.2	36.4	37.6	38.8	1.00
17.1	17.7	18.3	19.1	19.9	20.7	21.7	22.7	23.6	24.6	25.6	26.6	27.6	28.6	29.5	30.5	31.5	32.5	33.7	34.9	36.0	37.2	38.4	1.00
16.7	17.3	17.9	18.7	19.5	20.3	21.3	22.3	23.2	24.2	25.2	26.2	27.2	28.2	29.1	30.1	31.1	32.1	33.3	34.5	35.6	36.8	38.0	1.00
16.3	16.9	17.5	18.3	19.1	19.9	20.9	21.9	22.8	23.8	24.8	25.8	26.8	27.8	28.7	29.7	30.7	31.7	32.9	34.1	35.2	36.4	37.6	1.00
15.9	16.5	17.1	17.9	18.7	19.5	20.5	21.5	22.4	23.4	24.4	25.4	26.4	27.4	28.3	29.3	30.3	31.3	32.5	33.7	34.8	36.0	37.2	1.00
19.1	19.7	20.3	21.1	21.9	22.7	23.7	24.7	25.6	26.6	27.6	28.6	29.6	30.6	31.5	32.5	33.5	34.5	35.7	36.9	38.0	39.2	40.4	1.05
17.6	18.2	18.8	19.6	20.4	21.2	22.2	23.2	24.1	25.1	26.1	27.1	28.1	29.1	30.0	31.0	32.0	33.0	34.2	35.4	36.5	37.7	38.9	1.05
16.5	17.1	17.7	18.5	19.3	20.1	21.1	22.1	23.0	24.0	25.0	26.0	27.0	28.0	28.9	29.9	30.9	31.9	33.1	34.3	35.4	36.6	37.8	1.05
19.4	20.0	20.6	21.4	22.1	22.9	23.9	24.9	25.9	26.9	27.9	28.8	29.8	30.8	31.8	32.8	33.8	34.7	35.9	37.1	38.3	39.5	40.7	1.06
18.5	19.1	19.7	20.5	21.3	22.1	23.1	24.1	25.0	26.0	27.0	28.0	29.0	30.0	30.9	31.9	32.9	33.9	35.1	36.3	37.4	38.6	39.8	1.06
18.2	18.8	19.4	20.2	21.0	21.8	22.8	23.8	24.7	25.7	26.7	27.7	28.7	29.7	30.6	31.6	32.6	33.6	34.8	36.0	37.1	38.3	39.5	1.06
17.9	18.5	19.1	19.9	20.7	21.5	22.5	23.5	24.4	25.4	26.4	27.4	28.4	29.4	30.3	31.3	32.3	33.3	34.5	35.7	36.8	38.0	39.2	1.06
17.3	17.9	18.5	19.3	20.0	20.8	21.8	22.8	23.8	24.8	25.8	26.7	27.7	28.7	29.7	30.7	31.7	32.6	33.8	35.0	36.2	37.4	38.6	1.06
16.9	17.5	18.1	18.9	19.7	20.5	21.5	22.5	23.4	24.4	25.4	26.4	27.4	28.4	29.3	30.3	31.3	32.3	33.5	34.7	35.8	37.0	38.2	1.06
16.1	16.7	17.3	18.1	18.9	19.7	20.7	21.7	22.6	23.6	24.6	25.6	26.6	27.6	28.5	29.5	30.5	31.5	32.7	33.9	35.0	36.2	37.4	1.06
18.9	19.5	20.1	20.9	21.6	22.4	23.4	24.4	25.4	26.4	27.4	28.3	29.3	30.3	31.3	32.3	33.3	34.2	35.4	36.6	37.8	39.0	40.2	1.07
19.3	19.9	20.5	21.3	22.0	22.8	23.8	24.8	25.8	26.8	27.8	28.7	29.7	30.7	31.7	32.7	33.7	34.6	35.8	37.0	38.2	39.4	40.6	1.11
18.1	18.7	19.3	20.1	20.8	21.6	22.6	23.6	24.6	25.6	26.6	27.5	28.5	29.5	30.5	31.5	32.5	33.4	34.6	35.8	37.0	38.2	39.4	1.11
17.8	18.4	19.0	19.8	20.5	21.3	22.3	23.3	24.3	25.3	26.3	27.2	28.2	29.2	30.2	31.2	32.2	33.1	34.3	35.5	36.7	37.9	39.1	1.11
17.4	18.0	18.6	19.4	20.2	21.0	22.0	23.0	23.9	24.9	25.9	26.9	27.9	28.9	29.8	30.8	31.8	32.8	34.0	35.2	36.3	37.5	38.7	1.11
16.7	17.3	17.9	18.7	19.5	20.3	21.3	22.3	23.2	24.2	25.2	26.2	27.2	28.2	29.1	30.1	31.1	32.1	33.3	34.5	35.6	36.8	38.0	1.11
16.3	16.9	17.5	18.3	19.1	19.9	20.9	21.9	22.8	23.8	24.8	25.8	26.8	27.8	28.7	29.7	30.7	31.7	32.9	34.1	35.2	36.4	37.6	1.11
19.0	19.6	20.2	21.0	21.7	22.5	23.5	24.5	25.5	26.5	27.5	28.4	29.4	30.4	31.4	32.4	33.4	34.3	35.5	36.7	37.9	39.1	40.3	1.12
18.4	19.0	19.6	20.4	21.1	21.9	22.9	23.9	24.9	25.9	26.9	27.8	28.8	29.8	30.8	31.8	32.8	33.7	34.9	36.1	37.3	38.5	39.7	1.12
17.1	17.7	18.3	19.1	19.8	20.6	21.6	22.6	23.6	24.6	25.6	26.5	27.5	28.5	29.5	30.5	31.5	32.4	33.6	34.8	36.0	37.2	38.4	1.12
18.7	19.3	19.9	20.7	21.5	22.3	23.3	24.3	25.2	26.2	27.2	28.2	29.2	30.2	31.1	32.1	33.1	34.1	35.3	36.5	37.6	38.8	40.0	1.13
17.9	18.5	19.1	19.9	20.7	21.5	22.5	23.5	24.4	25.4	26.4	27.4	28.4	29.4	30.3	31.3	32.3	33.3	34.5	35.7	36.8	38.0	39.2	1.17
17.6	18.2	18.8	19.6	20.3	21.1	22.1	23.1	24.1	25.1	26.1	27.0	28.0	29.0	30.0	31.0	32.0	32.9	34.1	35.3	36.5	37.7	38.9	1.17
18.2	18.8	19.4	20.2	21.0	21.8	22.8	23.8	24.7	25.7	26.7	27.7	28.7	29.7	30.6	31.6	32.6	33.6	34.8	36.0	37.1	38.3	39.5	1.18
17.2	17.8	18.4	19.2	20.0	20.8	21.8	22.8	23.7	24.7	25.8	26.7	27.7	28.7	29.7	30.7	31.7	32.6	33.8	35.0	36.2	37.4	38.6	1.18
16.9	17.5	18.1	18.9	19.7	20.5	21.5	22.5	23.4	24.4	25.4	26.4	27.4	28.4	29.3	30.3	31.3	32.3	33.5	34.7	35.8	37.0	38.2	1.18
16.5	17.1	17.7	18.5	19.3	20.1	21.1	22.1	23.0	24.0	25.0	26.0	27.0	28.0	28.9	29.9	30.9	31.9	33.1	34.3	35.4	36.6	37.8	1.18
19.1	19.7	20.3	21.1	21.9	22.7	23.7	24.7	25.6	26.6	27.6	28.6	29.6	30.6	31.5	32.5	33.5	34.5	35.7	36.9	38.0	39.2	40.4	1.19
18.8	19.4	20.0	20.8	21.6	22.4	23.4	24.4	25.3	26.3	27.3	28.3	29.3	30.3	31.2	32.2	33.2	34.2	35.4	36.6	37.7	38.9	40.1	1.19
18.6	19.2	19.8	20.6	21.3	22.1	23.1	24.1	25.1	26.1	27.1	28.0	29.0	30.0	31.0	32.0	33.0	33.9	35.1	36.3	37.5	38.7	39.9	1.20
17.7	18.3	18.9	19.7	20.5	21.3	22.3	23.3	24.2	25.2	26.2	27.2	28.2	29.2	30.1	31.1	32.1	33.1	34.3	35.5	36.6	37.8	39.0	1.24
17.4	18.0	18.6	19.4	20.2	21.0	22.0	23.0	23.9	24.9	25.9	26.9	27.9	28.9	29.8	30.8	31.8	32.8	34.0	35.2	36.3	37.5	38.7	1.24
17.1	17.7	18.3	19.1	19.8	20.6	21.6	22.6	23.6	24.6	25.6	26.5	27.5	28.5	29.5	30.5	31.5	32.4	33.6	34.8	36.0	37.2	38.4	1.24
16.7	17.3	17.9	18.7	19.4	20.2	21.2	22.2	23.2	24.2	25.2	26.1	27.1	28.1	29.1	30.1	31.1	32.0	33.2	34.4	35.6	36.8	38.0	1.24
18.1	18.7	19.3	20.1	20.8	21.6	22.6	23.6	24.6	25.6	26.6	27.5	28.5	29.5	30.5	31.5	32.5	33.4	34.6	35.8	37.0	38.2	39.4	1.25
18.9	19.5	20.1	20.9	21.7	22.5	23.5	24.5	25.4	26.4	27.4	28.4	29.4	30.4	31.3	32.3	33.3	34.3	35.5	36.7	37.8	39.0	40.2	1.26
18.7	19.3	19.9	20.7	21.4	22.2	23.2	24.2	25.2	26.2	27.2	28.1	29.1	30.1	31.1	32.1	33.1	34.0	35.2	36.4	37.6	38.8	40.0	1.26
18.4	19.0	19.6	20.4	21.1	21.9	22.9	23.9	24.9	25.9	26.9	27.8	28.8	29.8	30.8	31.8	32.8	33.7	34.9	36.1	37.3	38.5	39.7	1.26
14.8	15.4	16.0	16.8	17.6	18.4	19.4	20.4	21.3	22.3	23.3	24.3	25.3	26.3	27.2	28.2	29.2	30.2	31.4	32.6	33.7	34.9	36.1	1.28
17.6	18.2	18.8	19.6	20.3	21.1	22.1	23.1	24.1	25.1	26.1	27.0	28.0	29.0	30.0	31.0	32.0	32.9	34.1	35.3	36.5	37.7	38.9	1.31
17.2	17.8	18.4	19.2	20.0	20.8	21.8	22.8	23.7	24.7	25.7	26.7	27.7	28.7	29.6	30.6	31.6	32.6	33.8	35.0	36.1	37.3	38.5	1.31
16.8	17.4	18.0	18.8	19.6	20.4	21.4	22.4	23.3	24.3	25.3	26.3	27.3	28.3	29.2	30.2	31.2	32.2	33.4	34.6	35.7	36.9	38.1	1.31
17.9	18.5	19.1	19.9	20.6	21.4	22.4	23.4	24.4	25.4	26.4	27.3	28.3	29.3	30.3	31.3	32.3	33.2	34.5	35.7	36.8	38.0	39.2	1.32
18.8	19.4	20.0	20.8	21.5	22.3	23.3	24.3	25.3	26.3	27.3	28.2	29.2	30.2	31.2	32.2	33.2	34.1	35.3	36.5	37.7	38.9	40.1	1.33
18.5	19.1	19.7	20.5	21.3	22.1	23.1	24.1	25.0	26.0	27.0	28.0	29.0	30.0	30.9	31.9	32.9	33.9	35.1	36.3	37.4	38.6	39.8	1.33
18.2	18.8	19.4	20.2	21.0	21.8	22.8	23.8	24.7	25.7	26.7	27.7	28.7	29.7	30.6	31.6	32.6	33.6	34.8	36.0	37.1	38.3	39.5	1.33
15.0	15.6	16.2	17.0	17.8	18.6	19.6	20.6	21.5	22.5	23.5	24.5	25.5	26.5	27.4	28.4	29.4	30.4	31.6	32.8	33.9	35.1	36.3	1.35
17.4	18.0	18.6	19.4	20.1	20.9	21.9	22.9	23.9	24.9	25.9	26.8	27.8	28.8	29.8	30.8	31.8	32.7	33.9	35.1	36.3	37.5	38.7	1.38
17.0	17.6	18.2	19.0	19.7	20.5	21.5	22.5	23.5	24.5	25.5	26.4	27.5	28.5	29.4	30.4	31.4	32.4	33.6	34.8	35.9	37.1	38.3	1.38
17.7	18.3	18.9	19.7	20.5	21.3	22.3	23.3	24.2	25.2	26.2	27.2	28.2	29.2	30.1	31.1	32.1	33.1	34.3	35.5	36.6	37.8	39.0	1.39

Key to correction factors: 1.0 1.1 1.2

Drive Selection For 11M Polyflex® JB® Belts

Table No. 27

DriveN Speed For Motor Speed of			Sheave Outside Diameter Inches			Length Designation and Center Distance, Inches																
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	11M 710	11M 730	11M 750	11M 775	11M 800	11M 825	11M 850	11M 875	11M 900	11M 925	11M 950	11M 975	11M 1000	11M 1030	11M 1060	11M 1090	11M 1120	11M 1150	11M 1180
829	1250	2464	2.80	3.94	1.40	8.3	8.7	9.1	9.6	10.1	10.6	11.1	11.5	12.0	12.5	13.0	13.5	14.0	14.6	15.2	15.8	16.4	17.0	17.6
829	1250	2464	2.95	4.17	1.40	8.0	8.4	8.8	9.3	9.8	10.3	10.8	11.2	11.7	12.2	12.7	13.2	13.7	14.3	14.9	15.5	16.1	16.7	17.3
823	1241	2447	2.64	3.74	1.41	8.6	9.0	9.4	9.9	10.4	10.9	11.4	11.8	12.3	12.8	13.3	13.8	14.3	14.9	15.5	16.1	16.7	17.3	17.9
817	1232	2430	4.41	6.30	1.42					6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.5	12.1	12.7	13.3	13.9	14.5
795	1199	2363	3.35	4.92	1.46	7.1	7.5	7.9	8.4	8.9	9.4	9.9	10.3	10.8	11.3	11.8	12.3	12.8	13.4	14.0	14.6	15.2	15.8	16.4
789	1190	2347	3.15	4.65	1.47	7.5	7.8	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.8	14.4	15.0	15.6	16.2	16.8
784	1182	2331	2.64	3.94	1.48	8.5	8.8	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.8	15.3	15.9	16.5	17.1	17.7
784	1182	2331	2.80	4.17	1.48	8.1	8.5	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.5	15.0	15.6	16.2	16.8	17.4
784	1182	2331	2.95	4.41	1.48	7.8	8.2	8.6	9.1	9.6	10.1	10.6	11.0	11.5	12.1	12.6	13.1	13.6	14.2	14.7	15.3	15.9	16.5	17.1
773	1167	2300	4.17	6.30	1.50				6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.7	12.2	12.8	13.4	14.0	14.6
748	1129	2226	3.15	4.92	1.55	7.3	7.6	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.6	14.1	14.7	15.3	15.9	16.5
744	1122	2212	2.64	4.17	1.56	8.3	8.6	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.6	15.1	15.7	16.3	16.9	17.5
744	1122	2212	2.80	4.41	1.56	7.9	8.3	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.7	14.3	14.8	15.4	16.0	16.6	17.2
744	1122	2212	2.95	4.65	1.56	7.6	8.0	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	14.0	14.5	15.1	15.7	16.3	16.9
730	1101	2170	3.94	6.30	1.59				6.8	7.3	7.8	8.3	8.7	9.2	9.7	10.2	10.7	11.2	11.9	12.4	13.0	13.6	14.2	14.8
730	1101	2170	4.92	7.87	1.59										7.7	8.2	8.7	9.2	9.8	10.4	11.0	11.6	12.2	12.8
707	1067	2104	2.80	4.65	1.64	7.7	8.1	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.1	14.6	15.2	15.8	16.4	17.0
703	1061	2091	2.64	4.41	1.65	8.1	8.4	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.4	14.9	15.5	16.1	16.7	17.3
703	1061	2091	2.95	4.92	1.65	7.4	7.8	8.2	8.7	9.2	9.7	10.2	10.6	11.1	11.6	12.1	12.6	13.1	13.7	14.3	14.9	15.5	16.1	16.7
695	1048	2066	3.74	6.30	1.67			6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	12.0	12.6	13.2	13.8	14.4	15.0
690	1042	2054	4.65	7.87	1.68										7.9	8.4	8.9	9.4	10.0	10.5	11.2	11.8	12.4	13.0
667	1006	1983	2.64	4.65	1.74	7.9	8.2	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.2	14.7	15.3	15.9	16.5	17.1
667	1006	1983	2.80	4.92	1.74	7.5	7.9	8.3	8.8	9.3	9.8	10.3	10.7	11.2	11.7	12.2	12.7	13.2	13.8	14.4	15.0	15.6	16.2	16.8
659	994	1960	3.54	6.30	1.76			6.5	7.0	7.5	8.1	8.6	9.0	9.5	10.0	10.5	11.0	11.5	12.1	12.7	13.3	13.9	14.5	15.1
655	989	1949	4.41	7.87	1.77									7.5	8.0	8.5	9.0	9.6	10.2	10.7	11.3	11.9	12.5	13.1
630	951	1875	2.64	4.92	1.84	7.6	8.0	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	14.0	14.5	15.1	15.7	16.3	16.9
624	941	1855	3.35	6.30	1.86	5.9	6.3	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.3	12.8	13.4	14.0	14.7	15.3
620	936	1845	4.17	7.87	1.87									7.7	8.2	8.7	9.2	9.7	10.3	10.9	11.5	12.1	12.7	13.3
586	884	1742	3.15	6.30	1.98	6.0	6.4	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.4	13.0	13.6	14.2	14.8	15.4
586	884	1742	3.94	7.87	1.98								7.3	7.8	8.3	8.9	9.4	9.9	10.5	11.1	11.7	12.3	12.9	13.5
583	879	1734	4.92	9.84	1.99															8.6	9.2	9.8	10.4	11.0
558	841	1659	3.74	7.87	2.08								7.4	8.0	8.5	9.0	9.5	10.0	10.6	11.2	11.8	12.4	13.0	13.6
552	833	1643	4.65	9.84	2.10															8.7	9.4	10.0	10.6	11.2
550	829	1635	2.95	6.30	2.11	6.2	6.5	6.9	7.5	8.0	8.5	9.0	9.4	9.9	10.5	11.0	11.5	12.0	12.6	13.1	13.7	14.3	14.9	15.5
527	795	1568	3.54	7.87	2.20							7.1	7.6	8.1	8.6	9.1	9.7	10.2	10.8	11.3	11.9	12.6	13.2	13.8
525	792	1561	4.41	9.84	2.21															8.9	9.5	10.2	10.8	11.4
523	788	1554	2.80	6.30	2.22	6.3	6.6	7.0	7.6	8.1	8.6	9.1	9.5	10.1	10.6	11.1	11.6	12.1	12.7	13.2	13.8	14.5	15.1	15.7
500	754	1487	3.35	7.87	2.32							7.2	7.7	8.2	8.8	9.3	9.8	10.3	10.9	11.5	12.1	12.7	13.3	13.9
496	748	1474	4.17	9.84	2.34														8.5	9.1	9.7	10.3	10.9	11.6
494	745	1468	2.64	6.30	2.35	6.4	6.7	7.1	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.8	13.4	14.0	14.6	15.2	15.8
470	709	1397	3.15	7.87	2.47						6.8	7.4	7.8	8.4	8.9	9.4	9.9	10.4	11.0	11.6	12.2	12.8	13.4	14.1
470	709	1397	3.94	9.84	2.47														8.6	9.2	9.8	10.5	11.1	11.7
464	700	1380	4.92	12.40	2.50																			
446	673	1327	3.74	9.84	2.60													8.1	8.8	9.3	10.0	10.6	11.2	11.8
441	665	1312	2.95	7.87	2.63						7.0	7.5	8.0	8.5	9.0	9.5	10.1	10.6	11.2	11.7	12.4	13.0	13.6	14.2
439	663	1307	4.65	12.40	2.64																			
422	636	1255	3.54	9.84	2.75													8.2	8.9	9.5	10.1	10.7	11.4	12.0
419	632	1245	2.80	7.87	2.77						7.1	7.6	8.1	8.6	9.1	9.6	10.2	10.7	11.3	11.9	12.5	13.1	13.7	14.3
417	629	1241	4.41	12.40	2.78																			
400	603	1190	3.35	9.84	2.90												7.8	8.4	9.0	9.6	10.2	10.9	11.5	12.1
396	597	1177	2.64	7.87	2.93					6.6	7.2	7.7	8.2	8.7	9.2	9.7	10.3	10.8	11.4	12.0	12.6	13.2	13.8	14.4
395	595	1173	4.17	12.40	2.94																			
377	568	1120	3.15	9.84	3.08												7.9	8.5	9.1	9.7	10.4	11.0	11.6	12.2
373	563	1109	3.94	12.40	3.11																			
367	554	1092	4.92	15.70	3.16																			
355	535	1055	3.74	12.40	3.27																			
354	534	1052	2.95	9.84	3.28												8.1	8.6	9.3	9.9	10.5	11.1	11.8	12.4
347	524	1033	4.65	15.70	3.34																			
336	507	1000	2.80	9.84	3.45											7.6	8.2	8.7	9.4	10.0	10.6	11.2	11.9	12.5
336	507	1000	3.54	12.40	3.45																			
330	497	980	4.41	15.70	3.52																			
318	479	945	3.35	12.40	3.65																			9.5

Key to correction factors: 0.8 0.9 1.0

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Length Designation and Center Distance, Inches

11M 1220	11M 1250	11M 1280	11M 1320	11M 1360	11M 1400	11M 1450	11M 1500	11M 1550	11M 1600	11M 1650	11M 1700	11M 1750	11M 1800	11M 1850	11M 1900	11M 1950	11M 2000	11M 2060	11M 2120	11M 2180	11M 2240	11M 2300	Speed Ratio
18.4	19.0	19.6	20.4	21.1	21.9	22.9	23.9	24.9	25.9	26.9	27.8	28.8	29.8	30.8	31.8	32.8	33.7	34.9	36.1	37.3	38.5	39.7	1.40
18.1	18.7	19.3	20.1	20.8	21.6	22.6	23.6	24.6	25.6	26.6	27.5	28.5	29.5	30.5	31.5	32.5	33.4	34.6	35.8	37.0	38.2	39.4	1.40
18.6	19.2	19.8	20.6	21.4	22.2	23.2	24.2	25.1	26.1	27.1	28.1	29.1	30.1	31.0	32.0	33.0	34.0	35.2	36.4	37.5	38.7	39.9	1.41
15.2	15.8	16.4	17.2	18.0	18.8	19.8	20.8	21.7	22.7	23.7	24.7	25.7	26.7	27.6	28.6	29.6	30.6	31.8	33.0	34.1	35.3	36.5	1.42
17.1	17.7	18.3	19.1	19.9	20.7	21.7	22.7	23.6	24.6	25.6	26.6	27.6	28.6	29.5	30.5	31.5	32.5	33.7	34.9	36.0	37.2	38.5	1.46
17.5	18.1	18.7	19.5	20.3	21.1	22.1	23.1	24.0	25.0	26.0	27.0	28.0	29.0	29.9	30.9	31.9	32.9	34.1	35.3	36.4	37.6	38.8	1.47
18.5	19.1	19.7	20.5	21.2	22.0	23.0	24.0	25.0	26.0	27.0	27.9	28.9	29.9	30.9	31.9	32.9	33.8	35.0	36.2	37.4	38.6	39.8	1.48
18.2	18.8	19.4	20.2	20.9	21.7	22.7	23.7	24.7	25.7	26.7	27.6	28.6	29.6	30.6	31.6	32.6	33.5	34.7	35.9	37.1	38.3	39.5	1.48
17.9	18.5	19.1	19.9	20.6	21.4	22.4	23.4	24.4	25.4	26.4	27.3	28.3	29.3	30.3	31.3	32.3	33.2	34.4	35.6	36.8	38.0	39.2	1.48
15.4	16.0	16.6	17.4	18.1	19.0	20.0	21.0	21.9	22.9	23.9	24.9	25.9	26.9	27.8	28.8	29.8	30.8	32.0	33.2	34.3	35.5	36.7	1.50
17.3	17.9	18.5	19.3	20.0	20.8	21.8	22.8	23.8	24.8	25.8	26.8	27.8	28.8	29.7	30.7	31.7	32.7	33.9	35.1	36.2	37.4	38.6	1.55
18.3	18.9	19.5	20.3	21.0	21.8	22.8	23.8	24.8	25.8	26.8	27.7	28.7	29.7	30.7	31.7	32.7	33.6	34.8	36.0	37.2	38.4	39.6	1.56
18.0	18.6	19.2	20.0	20.7	21.5	22.5	23.5	24.5	25.5	26.5	27.4	28.4	29.4	30.4	31.4	32.4	33.3	34.5	35.7	36.9	38.1	39.3	1.56
17.7	18.3	18.9	19.7	20.4	21.2	22.2	23.2	24.2	25.2	26.2	27.1	28.1	29.1	30.1	31.1	32.1	33.0	34.2	35.4	36.6	37.8	39.0	1.56
15.6	16.2	16.8	17.6	18.3	19.1	20.1	21.1	22.1	23.1	24.1	25.0	26.0	27.0	28.0	29.0	30.0	30.9	32.1	33.3	34.5	35.7	36.9	1.59
13.5	14.1	14.7	15.5	16.3	17.1	18.1	19.1	20.1	21.1	22.1	23.0	24.0	25.0	26.0	27.0	28.0	28.9	30.1	31.3	32.5	33.7	34.9	1.59
17.8	18.4	19.0	19.8	20.5	21.3	22.3	23.3	24.3	25.3	26.3	27.2	28.2	29.2	30.2	31.2	32.2	33.1	34.3	35.5	36.7	37.9	39.1	1.64
18.1	18.7	19.3	20.1	20.8	21.6	22.6	23.6	24.6	25.6	26.6	27.6	28.6	29.6	30.5	31.5	32.5	33.5	34.7	35.9	37.0	38.2	39.4	1.65
17.4	18.0	18.6	19.4	20.2	21.0	22.0	23.0	24.0	25.0	26.0	26.9	27.9	28.9	29.9	30.9	31.9	32.8	34.0	35.2	36.4	37.6	38.8	1.65
15.7	16.3	16.9	17.7	18.5	19.3	20.3	21.3	22.2	23.2	24.2	25.2	26.2	27.2	28.1	29.1	30.1	31.1	32.3	33.5	34.6	35.8	37.0	1.67
13.7	14.3	14.9	15.7	16.5	17.3	18.3	19.3	20.3	21.3	22.3	23.2	24.2	25.2	26.2	27.2	28.2	29.1	30.3	31.5	32.7	33.9	35.1	1.68
17.9	18.5	19.1	19.9	20.7	21.5	22.5	23.5	24.4	25.4	26.4	27.4	28.4	29.4	30.3	31.3	32.3	33.3	34.5	35.7	36.8	38.0	39.2	1.74
17.6	18.2	18.8	19.6	20.3	21.1	22.1	23.1	24.1	25.1	26.1	27.0	28.0	29.0	30.0	31.0	32.0	32.9	34.1	35.3	36.5	37.7	38.9	1.74
15.9	16.5	17.1	17.9	18.6	19.4	20.4	21.4	22.4	23.4	24.4	25.3	26.3	27.3	28.3	29.3	30.3	31.2	32.4	33.6	34.8	36.0	37.2	1.76
13.9	14.5	15.1	15.9	16.7	17.5	18.5	19.5	20.4	21.4	22.4	23.4	24.4	25.4	26.4	27.4	28.4	29.3	30.5	31.7	32.9	34.1	35.3	1.77
17.7	18.3	18.9	19.7	20.4	21.2	22.2	23.2	24.2	25.2	26.2	27.1	28.1	29.1	30.1	31.1	32.1	33.0	34.2	35.4	36.6	37.8	39.0	1.84
16.0	16.6	17.2	18.0	18.8	19.6	20.6	21.6	22.5	23.5	24.5	25.5	26.5	27.5	28.4	29.4	30.4	31.4	32.6	33.8	34.9	36.1	37.3	1.86
14.1	14.7	15.3	16.1	16.8	17.7	18.7	19.7	20.6	21.6	22.6	23.6	24.6	25.6	26.5	27.5	28.5	29.5	30.7	31.9	33.0	34.2	35.5	1.87
16.2	16.8	17.4	18.2	18.9	19.7	20.7	21.7	22.7	23.7	24.7	25.6	26.6	27.6	28.6	29.6	30.6	31.5	32.7	33.9	35.1	36.3	37.5	1.98
14.2	14.8	15.5	16.3	17.0	17.8	18.8	19.8	20.8	21.8	22.8	23.7	24.8	25.8	26.7	27.7	28.7	29.7	30.9	32.1	33.2	34.4	35.6	1.98
11.8	12.4	13.0	13.8	14.6	15.4	16.4	17.4	18.4	19.4	20.4	21.4	22.4	23.4	24.3	25.3	26.3	27.3	28.5	29.7	30.9	32.1	33.3	1.99
14.4	15.0	15.6	16.4	17.2	18.0	19.0	20.0	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.9	29.8	31.0	32.2	33.4	34.6	35.8	2.08
12.0	12.6	13.2	14.0	14.8	15.6	16.6	17.6	18.6	19.6	20.6	21.6	22.6	23.6	24.5	25.5	26.5	27.5	28.7	29.9	31.1	32.3	33.5	2.10
16.3	16.9	17.5	18.3	19.1	19.9	20.9	21.9	22.8	23.8	24.8	25.8	26.8	27.8	28.7	29.7	30.7	31.7	32.9	34.1	35.2	36.5	37.7	2.11
14.5	15.1	15.7	16.6	17.3	18.1	19.1	20.1	21.1	22.1	23.1	24.0	25.0	26.1	27.0	28.0	29.0	30.0	31.2	32.4	33.5	34.7	35.9	2.20
12.2	12.8	13.4	14.2	15.0	15.8	16.8	17.8	18.8	19.8	20.8	21.7	22.8	23.8	24.7	25.7	26.7	27.7	28.9	30.1	31.2	32.5	33.7	2.21
16.4	17.0	17.6	18.4	19.2	20.0	21.0	22.0	22.9	23.9	24.9	25.9	26.9	27.9	28.9	29.9	30.9	31.8	33.0	34.2	35.4	36.6	37.8	2.22
14.7	15.3	15.9	16.7	17.4	18.3	19.3	20.3	21.2	22.2	23.2	24.2	25.2	26.2	27.1	28.2	29.2	30.1	31.3	32.5	33.7	34.9	36.1	2.32
12.3	12.9	13.6	14.4	15.1	16.0	17.0	18.0	18.9	20.0	21.0	21.9	22.9	23.9	24.9	25.9	26.9	27.9	29.1	30.3	31.4	32.6	33.8	2.34
16.5	17.1	17.7	18.5	19.3	20.1	21.1	22.1	23.1	24.1	25.1	26.0	27.0	28.0	29.0	30.0	31.0	31.9	33.1	34.3	35.5	36.7	37.9	2.35
14.8	15.4	16.0	16.8	17.6	18.4	19.4	20.4	21.4	22.4	23.4	24.3	25.3	26.3	27.3	28.3	29.3	30.3	31.5	32.7	33.8	35.0	36.2	2.47
12.5	13.1	13.7	14.5	15.3	16.1	17.1	18.1	19.1	20.1	21.1	22.1	23.1	24.1	25.1	26.1	27.1	28.0	29.2	30.4	31.6	32.8	34.0	2.47
		10.6	11.4	12.2	13.1	14.1	15.1	16.1	17.1	18.2	19.1	20.2	21.2	22.1	23.2	24.2	25.1	26.3	27.5	28.7	29.9	31.1	2.50
12.6	13.2	13.9	14.7	15.4	16.3	17.3	18.3	19.2	20.3	21.3	22.2	23.2	24.2	25.2	26.2	27.2	28.2	29.4	30.6	31.7	32.9	34.2	2.60
15.0	15.6	16.2	17.0	17.7	18.5	19.6	20.6	21.5	22.5	23.5	24.5	25.5	26.5	27.4	28.4	29.5	30.4	31.6	32.8	34.0	35.2	36.4	2.63
	10.1	10.8	11.6	12.4	13.2	14.3	15.3	16.3	17.3	18.4	19.3	20.3	21.4	22.3	23.3	24.4	25.3	26.5	27.7	28.9	30.1	31.3	2.64
12.8	13.4	14.0	14.8	15.6	16.4	17.4	18.4	19.4	20.4	21.4	22.4	23.4	24.4	25.4	26.4	27.4	28.3	29.5	30.7	31.9	33.1	34.3	2.75
15.1	15.7	16.3	17.1	17.8	18.7	19.7	20.7	21.6	22.6	23.6	24.6	25.6	26.6	27.6	28.6	29.6	30.5	31.7	32.9	34.1	35.3	36.5	2.77
	10.3	10.9	11.8	12.6	13.4	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5	24.5	25.5	26.7	27.9	29.1	30.3	31.5	2.78
12.9	13.5	14.1	14.9	15.7	16.5	17.5	18.6	19.5	20.5	21.6	22.5	23.5	24.5	25.5	26.5	27.5	28.5	29.7	30.9	32.0	33.2	34.4	2.90
15.2	15.8	16.4	17.2	18.0	18.8	19.8	20.8	21.7	22.7	23.8	24.7	25.7	26.7	27.7	28.7	29.7	30.6	31.8	33.0	34.2	35.4	36.6	2.93
9.8	10.4	11.1	11.9	12.7	13.6	14.6	15.7	16.6	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7	25.7	26.9	28.1	29.3	30.5	31.7	2.94
13.0	13.6	14.3	15.1	15.8	16.7	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7	25.6	26.6	27.7	28.6	29.8	31.0	32.2	33.4	34.6	3.08
9.9	10.6	11.2	12.1	12.9	13.7	14.8	15.8	16.8	17.8	18.8	19.8	20.8	21.9	22.8	23.8	24.9	25.8	27.0	28.3	29.4	30.6	31.8	3.11
							11.8	12.8	13.9	15.0	16.0	17.1	18.1	19.1	20.1	21.2	22.2	23.4	24.6	25.8	27.0	28.2	3.16
10.0	10.7	11.4	12.2	13.0	13.9	14.9	15.9	16.9	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.2	28.4	29.6	30.8	32.0	3.27
13.2	13.8	14.4	15.2	16.0	16.8	17.8	18.8	19.8	20.8	21.8	22.8	23.8	24.8	25.8	26.8	27.8	28.8	30.0	31.2	32.3	33.5	34.7	3.28
							11.9	13.0	14.1	15.2	16.2	17.2	18.3	19.3	20.3	21.4	22.3	23.6	24.8	26.0	27.2	28.4	3.34
13.3	13.9	14.5	15.3	16.1	16.9	17.9	19.0	19.9	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.9	30.1	31.3	32.4	33.6	34.8	3.45
10.2	10.8	11.5	12.3	13.1	14.0	15.0	16.1	17.1	18.1	19.1	20.1	21.1	22.1	23.1	24.1	25.1	26.1	27.3	28.5	29.7	30.9	32.1	3.45
							12.1	13.2	14.2	15.3	16.3	17.4	18.5	19.4	20.5	21.5	22.5	23.7	25.0	26.2	27.4	28.6	3.52
10.3	11.0	11.6	12.5	13.3	14.1	15.2	16.2	17.2	18.2	19.3	20.2	21.3	22.3	23.2	24.3	25.3	26.2	27.5	28.7	29.8	31.1	32.3	3.65

Key to correction factors: 0.9 1.0 1.1 1.2

Drive Selection For 11M Polyflex® JB® Belts

Table No. 27

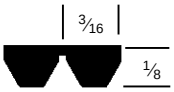
DriveN Speed For Motor Speed of			Sheave Outside Diameter Inches			Length Designation and Center Distance, Inches																	
1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	11M 710	11M 730	11M 750	11M 775	11M 800	11M 825	11M 850	11M 875	11M 900	11M 925	11M 950	11M 975	11M 1000	11M 1030	11M 1060	11M 1090	11M 1120	11M 1150	11M 1180
317	478	943	2.64	9.84	3.66											7.7	8.3	8.8	9.5	10.1	10.7	11.3	12.0	12.6
312	470	927	4.17	15.70	3.72																			
300	452	891	3.15	12.40	3.87																			9.6
295	445	878	3.94	15.70	3.93																			
293	442	871	4.92	19.70	3.96																			
281	424	835	2.95	12.40	4.13																			9.7
280	423	833	3.74	15.70	4.14																			
277	418	823	4.65	19.70	4.19																			
267	403	795	2.80	12.40	4.34																		9.1	9.8
265	400	789	3.54	15.70	4.37																			
263	397	782	4.41	19.70	4.41																			
252	380	750	2.64	12.40	4.60																		9.2	9.9
252	380	748	3.35	15.70	4.61																			
249	376	740	4.17	19.70	4.66																			
237	357	704	3.15	15.70	4.90																			
235	355	700	3.94	19.70	4.93																			
233	351	693	4.92	24.80	4.98																			
224	337	665	3.74	19.70	5.19																			
222	335	661	2.95	15.70	5.22																			
220	332	655	4.65	24.80	5.27																			
212	319	630	3.54	19.70	5.48																			
211	319	628	2.80	15.70	5.49																			
209	315	622	4.41	24.80	5.55																			
201	303	597	3.35	19.70	5.78																			
199	301	593	2.64	15.70	5.82																			
198	298	588	4.17	24.80	5.87																			
189	285	562	3.15	19.70	6.14																			
187	282	556	3.94	24.80	6.20																			
183	276	545	4.92	31.50	6.33																			
178	268	528	3.74	24.80	6.53																			
177	267	527	2.95	19.70	6.55																			
173	262	516	4.65	31.50	6.69																			
168	254	501	2.80	19.70	6.89																			
168	254	501	3.54	24.80	6.89																			
165	248	489	4.41	31.50	7.05																			
160	241	475	3.35	24.80	7.27																			
159	240	473	2.64	19.70	7.30																			
156	235	463	4.17	31.50	7.45																			
150	227	447	3.15	24.80	7.72																			
147	222	438	3.94	31.50	7.87																			
147	221	436	4.92	39.40	7.91																			
141	212	419	2.95	24.80	8.24																			
140	211	416	3.74	31.50	8.29																			
139	209	413	4.65	39.40	8.36																			
134	202	398	2.80	24.80	8.67																			
133	200	394	3.54	31.50	8.75																			
132	199	392	4.41	39.40	8.81																			
126	191	376	2.64	24.80	9.18																			

Key to correction factors: 0.7 0.8 0.9

Length Designation and Center Distance, Inches

11M 1220	11M 1250	11M 1280	11M 1320	11M 1360	11M 1400	11M 1450	11M 1500	11M 1550	11M 1600	11M 1650	11M 1700	11M 1750	11M 1800	11M 1850	11M 1900	11M 1950	11M 2000	11M 2060	11M 2120	11M 2180	11M 2240	11M 2300	Speed Ratio
13.4	14.0	14.6	15.4	16.2	17.0	18.0	19.1	20.0	21.0	22.1	23.0	24.0	25.0	26.0	27.0	28.0	29.0	30.2	31.4	32.6	33.8	35.0	3.66
							12.2	13.3	14.4	15.5	16.5	17.6	18.6	19.6	20.6	21.7	22.7	23.9	25.1	26.3	27.5	28.8	3.72
10.4	11.1	11.7	12.6	13.4	14.2	15.3	16.3	17.3	18.4	19.4	20.4	21.4	22.4	23.4	24.4	25.4	26.4	27.6	28.8	30.0	31.2	32.4	3.87
							12.4	13.4	14.5	15.6	16.6	17.7	18.8	19.8	20.8	21.8	22.8	24.1	25.3	26.5	27.7	28.9	3.93
														14.9	16.0	17.1	18.2	19.5	20.8	22.0	23.2	24.5	3.96
10.5	11.2	11.9	12.7	13.5	14.4	15.4	16.5	17.5	18.5	19.5	20.5	21.5	22.6	23.5	24.5	25.6	26.5	27.7	29.0	30.1	31.3	32.6	4.13
						11.4	12.5	13.6	14.7	15.8	16.8	17.8	18.9	19.9	20.9	22.0	23.0	24.2	25.4	26.6	27.8	29.1	4.14
													14.0	15.1	16.2	17.3	18.3	19.6	20.9	22.2	23.4	24.7	4.19
10.6	11.3	12.0	12.8	13.6	14.5	15.5	16.6	17.6	18.6	19.6	20.6	21.6	22.7	23.6	24.7	25.7	26.6	27.9	29.1	30.2	31.5	32.7	4.34
						11.5	12.6	13.7	14.8	15.9	16.9	18.0	19.0	20.0	21.1	22.1	23.1	24.3	25.6	26.8	28.0	29.2	4.37
													14.1	15.2	16.3	17.4	18.5	19.8	21.1	22.3	23.6	24.8	4.41
10.7	11.4	12.1	12.9	13.7	14.6	15.6	16.7	17.7	18.7	19.7	20.7	21.7	22.8	23.7	24.8	25.8	26.7	28.0	29.2	30.4	31.6	32.8	4.60
						11.6	12.8	13.8	14.9	16.0	17.0	18.1	19.2	20.1	21.2	22.2	23.2	24.5	25.7	26.9	28.1	29.3	4.61
													14.2	15.3	16.5	17.6	18.6	20.0	21.2	22.5	23.7	25.0	4.66
						11.7	12.9	13.9	15.0	16.1	17.2	18.2	19.3	20.3	21.3	22.4	23.4	24.6	25.8	27.0	28.3	29.5	4.90
													14.4	15.5	16.6	17.7	18.8	20.1	21.4	22.6	23.9	25.2	4.93
																					17.6	19.0	4.98
												13.3	14.5	15.6	16.7	17.9	18.9	20.2	21.5	22.8	24.0	25.3	5.19
						11.8	13.0	14.1	15.2	16.3	17.3	18.4	19.4	20.4	21.5	22.5	23.5	24.7	26.0	27.2	28.4	29.6	5.22
																					17.8	19.2	5.27
												13.4	14.6	15.7	16.9	18.0	19.0	20.4	21.6	22.9	24.2	25.4	5.48
					10.7	11.9	13.1	14.2	15.3	16.4	17.4	18.5	19.5	20.5	21.6	22.6	23.6	24.8	26.1	27.3	28.5	29.7	5.49
																					17.9	19.3	5.55
												13.5	14.7	15.8	17.0	18.1	19.2	20.5	21.8	23.0	24.3	25.5	5.78
					10.8	12.0	13.2	14.3	15.4	16.5	17.5	18.6	19.6	20.6	21.7	22.7	23.7	24.9	26.2	27.4	28.6	29.8	5.82
																				16.6	18.1	19.5	5.87
												13.7	14.9	16.0	17.1	18.2	19.3	20.6	21.9	23.1	24.4	25.7	6.14
																				16.7	18.2	19.6	6.20
																							6.33
																				16.9	18.3	19.7	6.53
												13.8	15.0	16.1	17.2	18.4	19.4	20.7	22.0	23.3	24.5	25.8	6.55
																							6.69
												13.9	15.1	16.2	17.3	18.5	19.5	20.8	22.1	23.4	24.6	25.9	6.89
																				17.0	18.4	19.9	6.89
																							7.05
																				17.1	18.6	20.0	7.27
											12.7	14.0	15.2	16.3	17.4	18.6	19.6	20.9	22.2	23.5	24.7	26.0	7.30
																							7.45
																				17.2	18.7	20.1	7.72
																							7.87
																							7.91
																			15.9	17.3	18.8	20.2	8.24
																							8.29
																							8.36
																			15.9	17.4	18.9	20.3	8.67
																							8.75
																							8.81
																			16.0	17.5	19.0	20.4	9.18

Key to correction factors: 0.7 | 0.8 | 0.9 | 1.0 | 1.1



Rated Horsepower Per Belt For 5M Polyflex® JB® Belts

Table No. 28

RPM of Faster Shaft	Basic Horsepower per Belt for Small Outside Diameter												RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	1.04	1.10	1.17	1.24	1.32	1.40	1.48	1.57	1.67	1.77	1.87	1.97		1.00 to 1.01	1.02 to 1.03	1.04 to 1.05	1.06 to 1.08	1.09 to 1.11	1.12 to 1.15	1.16 to 1.21	1.22 to 1.29	1.30 to 1.46	1.47 and over
575	0.11	0.13	0.15	0.17	0.20	0.23	0.25	0.28	0.32	0.35	0.38	0.41	575	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
690	0.12	0.14	0.17	0.20	0.23	0.26	0.29	0.33	0.37	0.41	0.44	0.48	690	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03
725	0.12	0.15	0.18	0.21	0.24	0.27	0.31	0.34	0.38	0.42	0.46	0.50	725	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03
870	0.14	0.17	0.20	0.24	0.28	0.32	0.36	0.40	0.45	0.49	0.54	0.59	870	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04
950	0.15	0.18	0.22	0.26	0.30	0.34	0.38	0.43	0.48	0.53	0.58	0.63	950	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04
1160	0.17	0.21	0.25	0.30	0.35	0.40	0.45	0.50	0.57	0.63	0.69	0.75	1160	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05
1425	0.19	0.24	0.29	0.35	0.41	0.47	0.53	0.60	0.67	0.74	0.82	0.89	1425	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.06
1750	0.22	0.27	0.34	0.40	0.47	0.55	0.62	0.70	0.79	0.88	0.97	1.06	1750	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.07
2850		0.36	0.46	0.56	0.68	0.79	0.90	1.03	1.17	1.31	1.44	1.58	2850	0.00	0.01	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.12
3450			0.52	0.64	0.77	0.91	1.04	1.19	1.36	1.52	1.68	1.84	3450	0.00	0.02	0.03	0.05	0.06	0.08	0.09	0.11	0.12	0.14
500	0.10	0.11	0.13	0.15	0.18	0.20	0.23	0.25	0.28	0.31	0.34	0.37	500	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02
600	0.11	0.13	0.15	0.18	0.21	0.23	0.26	0.29	0.33	0.36	0.39	0.43	600	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
700	0.12	0.15	0.17	0.20	0.23	0.27	0.30	0.33	0.37	0.41	0.45	0.49	700	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03
800	0.13	0.16	0.19	0.22	0.26	0.30	0.33	0.37	0.42	0.46	0.50	0.55	800	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03
900	0.14	0.17	0.21	0.24	0.29	0.33	0.36	0.41	0.46	0.51	0.56	0.61	900	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04
1000	0.15	0.19	0.23	0.27	0.31	0.35	0.40	0.45	0.50	0.55	0.61	0.66	1000	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04
1200	0.17	0.21	0.26	0.30	0.36	0.41	0.46	0.52	0.58	0.65	0.71	0.77	1200	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05
1400	0.19	0.23	0.29	0.34	0.40	0.46	0.52	0.59	0.66	0.73	0.81	0.88	1400	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.06
1600	0.20	0.26	0.32	0.38	0.44	0.51	0.58	0.65	0.74	0.82	0.90	0.98	1600	0.00	0.01	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.06
1800	0.22	0.28	0.34	0.41	0.48	0.56	0.63	0.72	0.81	0.90	0.99	1.08	1800	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.07
2000	0.23	0.29	0.37	0.44	0.52	0.61	0.69	0.78	0.88	0.98	1.08	1.18	2000	0.00	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.08
3000		0.37	0.48	0.58	0.70	0.82	0.94	1.07	1.22	1.36	1.50	1.65	3000	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.09	0.11	0.12
4000			0.57	0.70	0.86	1.01	1.16	1.33	1.52	1.70	1.89	2.07	4000	0.00	0.02	0.04	0.05	0.07	0.09	0.11	0.13	0.14	0.16
5000			0.64	0.80	0.99	1.18	1.36	1.57	1.80	2.02	2.24	2.47	5000	0.00	0.02	0.05	0.07	0.09	0.11	0.14	0.16	0.18	0.20
6000				0.89	1.11	1.33	1.54	1.78	2.05	2.31	2.57	2.83	6000	0.00	0.03	0.05	0.08	0.11	0.14	0.16	0.19	0.22	0.24
7000				0.96	1.21	1.46	1.71	1.98	2.28	2.58	2.88	3.17	7000	0.00	0.03	0.06	0.09	0.13	0.16	0.19	0.22	0.25	0.28
8000					1.30	1.58	1.86	2.16	2.50	2.83	3.16	3.49	8000	0.00	0.04	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.32
9000					1.38	1.69	1.99	2.33	2.70	3.06	3.42	3.77	9000	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
10000					1.45	1.78	2.11	2.47	2.87	3.27	3.65	4.04	10000	0.00	0.04	0.09	0.13	0.18	0.23	0.27	0.32	0.36	0.40
12000						1.93	2.30	2.72	3.17	3.62	4.06	4.48	12000	0.00	0.05	0.11	0.16	0.22	0.27	0.32	0.38	0.43	0.49

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Rated Horsepower Per Belt For 7M Polyflex® JB® Belts

Table No. 29

RPM of Faster Shaft	Basic Horsepower per Belt for Small Outside Diameter												RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	1.67	1.77	1.87	1.97	2.08	2.20	2.36	2.48	2.64	2.80	2.95	3.15		1.00 to 1.01	1.02 to 1.03	1.04 to 1.05	1.06 to 1.08	1.09 to 1.11	1.12 to 1.15	1.16 to 1.21	1.22 to 1.29	1.30 to 1.46	1.47 and over
575	0.39	0.45	0.52	0.58	0.65	0.73	0.83	0.90	1.00	1.10	1.19	1.32	575	0.00	0.01	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.06
690	0.45	0.52	0.60	0.68	0.76	0.85	0.97	1.06	1.17	1.29	1.40	1.54	690	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.08
725	0.47	0.55	0.62	0.70	0.79	0.88	1.01	1.10	1.22	1.35	1.46	1.61	725	0.00	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.08
870	0.53	0.63	0.72	0.82	0.92	1.03	1.18	1.28	1.43	1.58	1.71	1.89	870	0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.10
950	0.57	0.67	0.77	0.88	0.99	1.11	1.27	1.38	1.54	1.70	1.84	2.04	950	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.10	0.11
1160	0.66	0.78	0.91	1.03	1.16	1.30	1.49	1.64	1.83	2.01	2.19	2.42	1160	0.00	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13
1425	0.77	0.92	1.06	1.21	1.37	1.54	1.77	1.94	2.17	2.40	2.61	2.89	1425	0.00	0.02	0.04	0.05	0.07	0.09	0.11	0.12	0.14	0.16
1750	0.89	1.06	1.24	1.42	1.61	1.82	2.10	2.30	2.58	2.85	3.10	3.44	1750	0.00	0.02	0.04	0.07	0.09	0.11	0.13	0.15	0.18	0.20
2850	1.22	1.50	1.78	2.05	2.35	2.67	3.10	3.42	3.84	4.26	4.65	5.17	2850	0.00	0.04	0.07	0.11	0.14	0.18	0.21	0.25	0.29	0.32
3450	1.38	1.70	2.03	2.35	2.71	3.09	3.60	3.97	4.47	4.97	5.43	6.03	3450	0.00	0.04	0.09	0.13	0.17	0.22	0.26	0.30	0.35	0.39
500	0.35	0.41	0.46	0.52	0.58	0.65	0.74	0.80	0.89	0.98	1.06	1.17	500	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.06
600	0.40	0.47	0.54	0.60	0.68	0.75	0.86	0.94	1.04	1.14	1.24	1.37	600	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.06	0.07
700	0.45	0.53	0.61	0.68	0.77	0.86	0.98	1.07	1.19	1.31	1.42	1.56	700	0.00	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.07	0.08
800	0.50	0.59	0.68	0.76	0.86	0.96	1.10	1.20	1.33	1.47	1.59	1.76	800	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
900	0.55	0.65	0.74	0.84	0.94	1.06	1.21	1.32	1.47	1.62	1.76	1.95	900	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.08	0.09	0.10
1000	0.59	0.70	0.81	0.91	1.03	1.15	1.32	1.45	1.61	1.77	1.93	2.13	1000	0.00	0.01	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.11
1200	0.68	0.80	0.93	1.05	1.19	1.34	1.54	1.68	1.88	2.07	2.25	2.49	1200	0.00	0.01	0.03	0.05	0.06	0.08	0.09	0.11	0.12	0.14
1400	0.76	0.90	1.05	1.19	1.35	1.52	1.75	1.92	2.14	2.36	2.57	2.85	1400	0.00	0.02	0.04	0.05	0.07	0.09	0.11	0.12	0.14	0.16
1600	0.83	1.00	1.16	1.32	1.50	1.69	1.95	2.14	2.39	2.64	2.88	3.19	1600	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18
1800	0.90	1.09	1.27	1.45	1.65	1.86	2.15	2.36	2.64	2.92	3.18	3.52	1800	0.00	0.02	0.05	0.07	0.09	0.11	0.14	0.16	0.18	0.20
2000	0.97	1.17	1.37	1.57	1.79	2.02	2.34	2.57	2.88	3.19	3.47	3.85	2000	0.00	0.02	0.05	0.08	0.10	0.13	0.15	0.18	0.20	0.23
2500	1.13	1.37	1.62	1.86	2.13	2.41	2.80	3.08	3.46	3.83	4.18	4.64	2500	0.00	0.03	0.06	0.09	0.13	0.16	0.19	0.22	0.25	0.28
3000	1.26	1.55	1.84	2.13	2.44	2.78	3.23	3.56	4.00	4.44	4.85	5.39	3000	0.00	0.04	0.08	0.11	0.15	0.19	0.23	0.26	0.30	0.34
4000	1.50	1.87	2.24	2.61	3.01	3.45	4.02	4.45	5.01	5.57	6.09	6.78	4000	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
5000	1.68	2.13	2.58	3.03	3.51	4.04	4.73	5.25	5.93	6.59	7.21	8.03	5000	0.00	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.50	0.56
6000		2.35	2.87	3.39	3.95	4.56	5.37	5.96	6.74	7.50	8.21	9.13	6000	0.00	0.07	0.15	0.23	0.30	0.38	0.45	0.53	0.60	0.68
7000		2.52	3.11	3.70	4.33	5.02	5.92	6.58	7.45	8.30	9.08	10.1	7000	0.00	0.09	0.18	0.26	0.35	0.44	0.53	0.61	0.70	0.79
8000			3.30	3.94	4.65	5.40	6.39	7.11	8.05	8.97	9.80	10.9	8000	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
9000			3.43	4.14	4.90	5.71	6.77	7.54	8.54	9.51	10.4	11.5	9000	0.00	0.11	0.23	0.34	0.45	0.56	0.68	0.79	0.90	1.01
10000				4.27	5.08	5.95	7.06	7.87	8.92	9.92	10.8	11.9	10000	0.00	0.12	0.25	0.38	0.50	0.63	0.75	0.88	1.00	1.13

Generally most ferrous materials have sufficient wear resistance for Polyflex JB sheaves. However, it's extremely important to evaluate the structural integrity of the sheave. The forces due to the actual power being transmitted as well as centrifugal forces (especially on drives over 6,500 feet per minute), should be checked before selecting a material. Nonferrous and nonmetallic materials should be avoided due to poor wear resistance. Nonmetallic material also lacks thermal properties for good heat dissipation.

Rated Horsepower Per Belt For 11M Polyflex® JB® Belts

Table No. 30

RPM of Faster Shaft	Basic Horsepower per Belt for Small Outside Diameter												RPM of Faster Shaft	Additional Horsepower per Belt for Speed Ratio									
	2.64	2.80	2.95	3.15	3.35	3.54	3.74	3.94	4.17	4.41	4.65	4.92		1.00 to 1.01	1.02 to 1.03	1.04 to 1.05	1.06 to 1.08	1.09 to 1.11	1.12 to 1.15	1.16 to 1.21	1.22 to 1.29	1.30 to 1.46	1.47 and over
575	1.26	1.45	1.64	1.88	2.12	2.34	2.58	2.82	3.09	3.37	3.65	3.97	575	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18
690	1.46	1.69	1.91	2.19	2.48	2.75	3.03	3.31	3.63	3.96	4.30	4.67	690	0.00	0.02	0.05	0.07	0.10	0.12	0.14	0.17	0.19	0.22
725	1.52	1.76	1.99	2.29	2.58	2.87	3.16	3.45	3.79	4.14	4.49	4.88	725	0.00	0.03	0.05	0.08	0.10	0.13	0.15	0.18	0.20	0.23
870	1.76	2.05	2.31	2.67	3.02	3.35	3.70	4.05	4.45	4.86	5.27	5.73	870	0.00	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27
950	1.89	2.20	2.49	2.87	3.25	3.62	3.99	4.37	4.80	5.25	5.70	6.20	950	0.00	0.03	0.07	0.10	0.13	0.17	0.20	0.23	0.27	0.30
1160	2.22	2.59	2.94	3.40	3.85	4.29	4.74	5.20	5.71	6.25	6.79	7.38	1160	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
1425	2.60	3.05	3.47	4.03	4.58	5.10	5.65	6.20	6.82	7.47	8.11	8.83	1425	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
1750	3.05	3.59	4.09	4.77	5.43	6.06	6.72	7.38	8.13	8.91	9.68	10.5	1750	0.00	0.06	0.12	0.18	0.24	0.31	0.37	0.43	0.49	0.55
2850	4.36	5.20	5.98	7.02	8.05	9.01	10.0	11.0	12.2	13.4	14.5	15.8	2850	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
3450	4.96	5.96	6.88	8.10	9.31	10.5	11.6	12.8	14.1	15.5	16.9	18.4	3450	0.00	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.97	1.08
500	1.12	1.29	1.45	1.67	1.88	2.08	2.28	2.49	2.73	2.98	3.23	3.50	500	0.00	0.02	0.04	0.05	0.07	0.09	0.10	0.12	0.14	0.16
600	1.30	1.51	1.70	1.95	2.20	2.43	2.68	2.93	3.21	3.50	3.79	4.12	600	0.00	0.02	0.04	0.06	0.08	0.10	0.13	0.15	0.17	0.19
700	1.48	1.71	1.93	2.22	2.51	2.78	3.07	3.35	3.68	4.01	4.35	4.73	700	0.00	0.02	0.05	0.07	0.10	0.12	0.15	0.17	0.20	0.22
800	1.65	1.91	2.16	2.49	2.81	3.12	3.44	3.76	4.13	4.51	4.90	5.32	800	0.00	0.03	0.06	0.08	0.11	0.14	0.17	0.20	0.22	0.25
900	1.81	2.11	2.38	2.75	3.11	3.45	3.81	4.17	4.58	5.01	5.43	5.91	900	0.00	0.03	0.06	0.09	0.13	0.16	0.19	0.22	0.25	0.28
1000	1.97	2.29	2.60	3.00	3.40	3.78	4.17	4.57	5.02	5.49	5.96	6.48	1000	0.00	0.03	0.07	0.10	0.14	0.17	0.21	0.24	0.28	0.31
1200	2.28	2.66	3.02	3.49	3.97	4.41	4.88	5.35	5.88	6.44	6.99	7.61	1200	0.00	0.04	0.08	0.13	0.17	0.21	0.25	0.29	0.34	0.38
1400	2.57	3.01	3.42	3.97	4.51	5.03	5.57	6.11	6.72	7.36	7.99	8.70	1400	0.00	0.05	0.10	0.15	0.20	0.24	0.29	0.34	0.39	0.44
1600	2.85	3.34	3.81	4.43	5.05	5.63	6.24	6.84	7.53	8.25	8.97	9.76	1600	0.00	0.06	0.11	0.17	0.22	0.28	0.34	0.39	0.45	0.50
1800	3.11	3.67	4.19	4.88	5.56	6.21	6.88	7.56	8.33	9.12	9.92	10.8	1800	0.00	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.50	0.57
2000	3.37	3.98	4.55	5.31	6.06	6.77	7.52	8.25	9.10	9.97	10.8	11.8	2000	0.00	0.07	0.14	0.21	0.28	0.35	0.42	0.49	0.56	0.63
2500	3.97	4.72	5.42	6.34	7.26	8.12	9.03	9.92	10.9	12.0	13.1	14.2	2500	0.00	0.09	0.18	0.26	0.35	0.44	0.52	0.61	0.70	0.79
3000	4.52	5.40	6.21	7.30	8.37	9.38	10.4	11.5	12.7	13.9	15.1	16.5	3000	0.00	0.10	0.21	0.31	0.42	0.52	0.63	0.73	0.84	0.94
3500	5.01	6.02	6.95	8.19	9.41	10.6	11.8	12.9	14.3	15.7	17.1	18.6	3500	0.00	0.12	0.25	0.37	0.49	0.61	0.73	0.86	0.98	1.10
4000	5.46	6.59	7.63	9.01	10.4	11.7	13.0	14.3	15.8	17.3	18.8	20.5	4000	0.00	0.14	0.28	0.42	0.56	0.70	0.84	0.98	1.12	1.26
4500	5.86	7.10	8.26	9.77	11.3	12.7	14.1	15.6	17.2	18.8	20.4	22.2	4500	0.00	0.16	0.32	0.47	0.63	0.79	0.94	1.10	1.26	1.42
5000	6.22	7.57	8.82	10.5	12.1	13.6	15.2	16.7	18.4	20.2	21.9	23.8	5000	0.00	0.17	0.35	0.52	0.70	0.87	1.05	1.22	1.40	1.57
6000	6.78	8.33	9.76	11.6	13.5	15.2	16.9	18.6	20.5	22.4	24.2	26.2	6000	0.00	0.21	0.42	0.63	0.84	1.05	1.26	1.47	1.68	1.89
7000	7.15	8.86	10.4	12.5	14.5	16.3	18.2	20.0	21.9	23.9	25.7	27.6	7000	0.00	0.24	0.49	0.73	0.98	1.22	1.47	1.71	1.96	2.20
8000	7.30	9.15	10.8	13.0	15.1	17.0	18.9	20.7	22.7	24.6	26.3		8000	0.00	0.28	0.56	0.84	1.12	1.40	1.68	1.96	2.24	2.52

Generally most ferrous materials have sufficient wear resistance for Polyflex JB sheaves. However, it's extremely important to evaluate the structural integrity of the sheave. The forces due to the actual power being transmitted as well as centrifugal forces (especially on drives over 6,500 feet per minute), should be checked before selecting a material. Nonferrous and nonmetallic materials should be avoided due to poor wear resistance. Nonmetallic material also lacks thermal properties for good heat dissipation.

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Polyflex® JB® Belts

Table No. 31

Polyflex® JB® Length Correction Factors (K_L)

Belt Designation	Length Correction Factors			Belt Designation	Length Correction Factors		
	5M	7M	11M		5M	7M	11M
280	0.83	—	—	825	1.15	1.00	0.94
290	0.84	—	—	850	1.16	1.00	0.94
300	0.85	—	—	875	1.17	1.01	0.95
307	0.86	—	—	900	1.17	1.02	0.96
315	0.87	—	—	925	1.18	1.02	0.96
325	0.88	—	—	950	1.19	1.03	0.97
335	0.89	—	—	975	1.20	1.04	0.98
345	0.89	—	—	1000	1.20	1.04	0.98
355	0.90	—	—	1030	1.21	1.05	0.99
365	0.91	—	—	1060	1.22	1.06	1.00
375	0.92	—	—	1090	1.23	1.07	1.00
387	0.93	—	—	1120	1.24	1.07	1.01
400	0.94	—	—	1150	1.25	1.08	1.02
412	0.95	—	—	1180	1.25	1.09	1.02
425	0.96	—	—	1220	1.26	1.09	1.03
437	0.96	—	—	1250	1.27	1.10	1.04
450	0.97	—	—	1280	1.28	1.11	1.04
462	0.98	—	—	1320	1.29	1.11	1.05
475	0.99	—	—	1360	1.29	1.12	1.06
487	1.00	—	—	1400	1.30	1.13	1.06
500	1.00	0.87	—	1450	1.31	1.14	1.07
515	1.01	0.88	—	1500	1.32	1.15	1.08
530	1.02	0.88	—	1550	—	1.15	1.09
545	1.03	0.89	—	1600	—	1.16	1.09
560	1.04	0.90	—	1650	—	1.17	1.10
580	1.05	0.91	—	1700	—	1.18	1.11
600	1.06	0.91	—	1750	—	1.19	1.12
615	1.06	0.92	—	1800	—	1.19	1.12
630	1.07	0.93	—	1850	—	1.20	1.13
650	1.08	0.94	—	1900	—	1.21	1.13
670	1.09	0.94	—	1950	—	1.21	1.14
690	1.10	0.95	—	2000	—	1.22	1.15
710	1.10	0.96	0.90	2060	—	1.23	1.15
730	1.11	0.96	0.91	2120	—	1.23	1.16
750	1.12	0.97	0.91	2180	—	1.24	1.17
775	1.13	0.98	0.92	2240	—	1.25	1.17
800	1.14	0.99	0.93	2300	—	1.25	1.18

Chart A
Minimum Sheave Diameters

Belt Cross Section	Minimum Diameter	
	(In.)	(mm)
5M	1.04	27
7M	1.67	43
11M	2.64	67

Chart B
Outside Idler Minimum Diameters

Belt Cross Section	Minimum Diameter	
	(In.)	(mm)
5M	2.9	74
7M	4.9	125
11M	6.4	163

Belt Storage and Handling

Below is a partial reprint of RMA (Rubber Manufacturers Association) Bulletin Number IP-3-4 which discusses general guidelines for storage of V-belts:

The storage of power transmission belts is of interest to users and distributors as well as manufacturers. Under favorable storage conditions, good quality belts retain their initial serviceability and dimensions. Conversely, unfavorable conditions can adversely affect performance and cause dimensional change. Good storage facilities and practices will allow the user to achieve the most value from belt products.

Power transmission belts should be stored in a cool and dry environment with no direct sunlight. When stacked on shelves, the stacks should be small enough to avoid excess weight on the bottom belts which may cause distortion. When stored in containers, the container size and contents should be sufficiently limited to avoid distortion, particularly to those belts at the bottom of the container.

Some things to avoid:

Do not store belts on floors unless a suitable container is provided. They may be susceptible to water leaks or moisture or otherwise damaged due to traffic.

Do not store belts near windows which may permit exposure to sunlight or moisture. Do not store belts near radiators or heaters or in the air flow from heating devices.

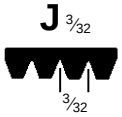
Do not store belts in the vicinity of transformers, electric motors or other electrical devices that may generate ozone. Also avoid areas where evaporating solvents or other chemicals are present in the atmosphere.

Do not store belts in a configuration that would result in bend diameters less than the minimum recommended sheave or pulley diameter for normal bends.

Equipment using belts is sometimes stored for prolonged periods (six months or more) before it is put in service or during other periods when it is idle. It is recommended that the tension on the belts be relaxed during such periods and that equipment storage conditions should be consistent with the guidelines for belt storage. If this is not possible, the belts should be removed and stored separately.

Handling of Polyflex JB belts is also important. Due to the high performance characteristics of Polyflex JB belts, do not crimp or tightly bend the belt. Belts should not be bent inside tighter than the smallest recommended sheave diameter for that particular cross section (See Chart A on left). Backside bending should be limited to the values specified in Chart B on left.

The belt may be cleaned by wiping with a rag slightly dampened with a light nonvolatile solvent. Soaking or brushing on such solvent is not advisable. The belt must be completely dry before using on the drive. More obviously, sanding or scraping the belt with a sharp object to remove grease or debris is not recommended.



J Section Micro-V® Belt Drive Selection

Table No. 32

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches													
950 RPM	1160 RPM	1750 RPM	2850 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	180	190	200	220	230	240	260	280	290	300	320	330	340	360	380	400
950	1160	1750	2850	3450	1.50	1.50	1.00	6.6	7.1	7.6	8.6	9.1	9.6	10.6	11.6	12.1	12.6	13.6	14.1	14.6	15.6	16.6	17.6
950	1160	1750	2850	3450	1.60	1.60	1.00	6.4	6.9	7.4	8.4	8.9	9.4	10.4	11.4	11.9	12.4	13.4	13.9	14.4	15.4	16.4	17.4
950	1160	1750	2850	3450	1.70	1.70	1.00	6.3	6.8	7.3	8.3	8.8	9.3	10.3	11.3	11.8	12.3	13.3	13.8	14.3	15.3	16.3	17.3
950	1160	1750	2850	3450	1.80	1.80	1.00	6.1	6.6	7.1	8.1	8.6	9.1	10.1	11.1	11.6	12.1	13.1	13.6	14.1	15.1	16.1	17.1
950	1160	1750	2850	3450	1.90	1.90	1.00	6.0	6.5	7.0	8.0	8.5	9.0	10.0	11.0	11.5	12.0	13.0	13.5	14.0	15.0	16.0	17.0
950	1160	1750	2850	3450	2.00	2.00	1.00	5.8	6.3	6.8	7.8	8.3	8.8	9.8	10.8	11.3	11.8	12.8	13.3	13.8	14.8	15.8	16.8
950	1160	1750	2850	3450	2.12	2.12	1.00	5.6	6.1	6.6	7.6	8.1	8.6	9.6	10.6	11.1	11.6	12.6	13.1	13.6	14.6	15.6	16.6
950	1160	1750	2850	3450	2.24	2.24	1.00	5.4	5.9	6.4	7.4	7.9	8.4	9.4	10.4	10.9	11.4	12.4	12.9	13.4	14.4	15.4	16.4
950	1160	1750	2850	3450	2.36	2.36	1.00	5.2	5.7	6.2	7.2	7.7	8.2	9.2	10.2	10.7	11.2	12.2	12.7	13.2	14.2	15.2	16.2
950	1160	1750	2850	3450	2.50	2.50	1.00	5.0	5.5	6.0	7.0	7.5	8.0	9.0	10.0	10.5	11.0	12.0	12.5	13.0	14.0	15.0	16.0
950	1160	1750	2850	3450	2.65	2.65	1.00	4.8	5.3	5.8	6.8	7.3	7.8	8.8	9.8	10.3	10.8	11.8	12.3	12.8	13.8	14.8	15.8
950	1160	1750	2850	3450	2.80	2.80	1.00	4.6	5.1	5.6	6.6	7.1	7.6	8.6	9.6	10.1	10.6	11.6	12.1	12.6	13.6	14.6	15.6
950	1160	1750	2850	3450	3.00	3.00	1.00	4.2	4.7	5.2	6.2	6.7	7.2	8.2	9.2	9.7	10.2	11.2	11.7	12.2	13.2	14.2	15.2
950	1160	1750	2850	3450	3.15	3.15	1.00	4.0	4.5	5.0	6.0	6.5	7.0	8.0	9.0	9.5	10.0	11.0	11.5	12.0	13.0	14.0	15.0
950	1160	1750	2850	3450	3.35	3.35	1.00		4.2	4.7	5.7	6.2	6.7	7.7	8.7	9.2	9.7	10.7	11.2	11.7	12.7	13.7	14.7
950	1160	1750	2850	3450	4.50	4.50	1.00							5.9	6.9	7.4	7.9	8.9	9.4	9.9	10.9	11.9	12.9
950	1160	1750	2850	3450	6.00	6.00	1.00											6.5	7.0	7.5	8.5	9.5	10.5
905	1105	1667	2714	3286	1.80	1.90	1.05	6.0	6.5	7.0	8.0	8.5	9.0	10.0	11.0	11.5	12.0	13.0	13.5	14.0	15.0	16.0	17.0
905	1105	1667	2714	3286	1.90	2.00	1.05	5.9	6.4	6.9	7.9	8.4	8.9	9.9	10.9	11.4	11.9	12.9	13.4	13.9	14.9	15.9	16.9
905	1105	1667	2714	3286	2.24	2.36	1.05	5.3	5.8	6.3	7.3	7.8	8.3	9.3	10.3	10.8	11.3	12.3	12.8	13.3	14.3	15.3	16.3
905	1105	1667	2714	3286	3.00	3.15	1.05	4.1	4.6	5.1	6.1	6.6	7.1	8.1	9.1	9.6	10.1	11.1	11.6	12.1	13.1	14.1	15.1
896	1094	1651	2689	3255	1.60	1.70	1.06	6.4	6.9	7.4	8.4	8.9	9.4	10.4	11.4	11.9	12.4	13.4	13.9	14.4	15.4	16.4	17.4
896	1094	1651	2689	3255	1.70	1.80	1.06	6.2	6.7	7.2	8.2	8.7	9.2	10.2	11.2	11.7	12.2	13.2	13.7	14.2	15.2	16.2	17.2
896	1094	1651	2689	3255	2.00	2.12	1.06	5.7	6.2	6.7	7.7	8.2	8.7	9.7	10.7	11.2	11.7	12.7	13.2	13.7	14.7	15.7	16.7
896	1094	1651	2689	3255	2.12	2.24	1.06	5.5	6.0	6.5	7.5	8.0	8.5	9.5	10.5	11.0	11.5	12.5	13.0	13.5	14.5	15.5	16.5
896	1094	1651	2689	3255	2.36	2.50	1.06	5.1	5.6	6.1	7.1	7.6	8.1	9.1	10.1	10.6	11.1	12.1	12.6	13.1	14.1	15.1	16.1
896	1094	1651	2689	3255	2.50	2.65	1.06	4.9	5.4	5.9	6.9	7.4	7.9	8.9	9.9	10.4	10.9	11.9	12.4	12.9	13.9	14.9	15.9
896	1094	1651	2689	3255	2.65	2.80	1.06	4.7	5.2	5.7	6.7	7.2	7.7	8.7	9.7	10.2	10.7	11.7	12.2	12.7	13.7	14.7	15.7
896	1094	1651	2689	3255	3.15	3.35	1.06	3.8	4.3	4.8	5.8	6.3	6.8	7.8	8.8	9.3	9.8	10.8	11.3	11.8	12.8	13.8	14.8
888	1084	1636	2664	3224	1.50	1.60	1.07	6.5	7.0	7.5	8.5	9.0	9.5	10.5	11.5	12.0	12.5	13.5	14.0	14.5	15.5	16.5	17.5
888	1084	1636	2664	3224	2.80	3.00	1.07	4.4	4.9	5.4	6.4	6.9	7.4	8.4	9.4	9.9	10.4	11.4	11.9	12.4	13.4	14.4	15.4
856	1045	1577	2568	3108	1.80	2.00	1.11	6.0	6.5	7.0	8.0	8.5	9.0	10.0	11.0	11.5	12.0	13.0	13.5	14.0	15.0	16.0	17.0
856	1045	1577	2568	3108	1.90	2.12	1.11	5.8	6.3	6.8	7.8	8.3	8.8	9.8	10.8	11.3	11.8	12.8	13.3	13.8	14.8	15.8	16.8
856	1045	1577	2568	3108	2.12	2.36	1.11	5.4	5.9	6.4	7.4	7.9	8.4	9.4	10.4	10.9	11.4	12.4	12.9	13.4	14.4	15.4	16.4
856	1045	1577	2568	3108	2.24	2.50	1.11	5.2	5.7	6.2	7.2	7.7	8.2	9.2	10.2	10.7	11.2	12.2	12.7	13.2	14.2	15.2	16.2
848	1036	1563	2545	3080	1.60	1.80	1.12	6.3	6.8	7.3	8.3	8.8	9.3	10.3	11.3	11.8	12.3	13.3	13.8	14.3	15.3	16.3	17.3
848	1036	1563	2545	3080	1.70	1.90	1.12	6.1	6.6	7.1	8.1	8.6	9.1	10.1	11.1	11.6	12.1	13.1	13.6	14.1	15.1	16.1	17.1
848	1036	1563	2545	3080	2.00	2.24	1.12	5.6	6.1	6.6	7.6	8.1	8.6	9.6	10.6	11.1	11.6	12.6	13.1	13.6	14.6	15.6	16.6
848	1036	1563	2545	3080	2.36	2.65	1.12	5.0	5.5	6.0	7.0	7.5	8.0	9.0	10.0	10.5	11.0	12.0	12.5	13.0	14.0	15.0	16.0
848	1036	1563	2545	3080	2.50	2.80	1.12	4.8	5.3	5.8	6.8	7.3	7.8	8.8	9.8	10.3	10.8	11.8	12.3	12.8	13.8	14.8	15.8
848	1036	1563	2545	3080	2.80	3.15	1.12	4.3	4.8	5.3	6.3	6.8	7.3	8.3	9.3	9.8	10.3	11.3	11.8	12.3	13.3	14.3	15.3
848	1036	1563	2545	3080	3.00	3.35	1.12	4.0	4.5	5.0	6.0	6.5	7.0	8.0	9.0	9.5	10.0	11.0	11.5	12.0	13.0	14.0	15.0
841	1027	1549	2522	3053	1.50	1.70	1.13	6.4	6.9	7.4	8.4	8.9	9.4	10.4	11.4	11.9	12.4	13.4	13.9	14.4	15.4	16.4	17.4
841	1027	1549	2522	3053	2.65	3.00	1.13	4.5	5.0	5.5	6.5	7.0	7.5	8.5	9.5	10.0	10.5	11.5	12.0	12.5	13.5	14.5	15.5
812	991	1496	2436	2949	1.70	2.00	1.17	6.0	6.5	7.0	8.0	8.5	9.0	10.0	11.0	11.5	12.0	13.0	13.5	14.0	15.0	16.0	17.0
812	991	1496	2436	2949	1.80	2.12	1.17	5.9	6.4	6.9	7.9	8.4	8.9	9.9	10.9	11.4	11.9	12.9	13.4	13.9	14.9	15.9	16.9
805	983	1483	2415	2924	1.60	1.90	1.18	6.2	6.7	7.2	8.2	8.7	9.2	10.2	11.2	11.7	12.2	13.2	13.7	14.2	15.2	16.2	17.2
805	983	1483	2415	2924	1.90	2.24	1.18	5.7	6.2	6.7	7.7	8.2	8.7	9.7	10.7	11.2	11.7	12.7	13.2	13.7	14.7	15.7	16.7
805	983	1483	2415	2924	2.00	2.36	1.18	5.5	6.0	6.5	7.5	8.0	8.5	9.5	10.5	11.0	11.5	12.5	13.0	13.5	14.5	15.5	16.5
805	983	1483	2415	2924	2.12	2.50	1.18	5.3	5.8	6.3	7.3	7.8	8.3	9.3	10.3	10.8	11.3	12.3	12.8	13.3	14.3	15.3	16.3
805	983	1483	2415	2924	2.24	2.65	1.18	5.1	5.6	6.1	7.1	7.6	8.1	9.1	10.1	10.6	11.1	12.1	12.6	13.1	14.1	15.1	16.1
805	983	1483	2415	2924	2.36	2.80	1.18	4.9	5.4	5.9	6.9	7.4	7.9	8.9	9.9	10.4	10.9	11.9	12.4	12.9	13.9	14.9	15.9
798	975	1471	2395	2899	2.65	3.15	1.19	4.4	4.9	5.4	6.4	6.9	7.4	8.4	9.4	9.9	10.4	11.4	11.9	12.4	13.4	14.4	15.4
798	975	1471	2395	2899	2.80	3.35	1.19	4.1	4.6	5.1	6.1	6.6	7.1	8.1	9.1	9.6	10.1	11.1	11.6	12.1	13.1	14.1	15.1

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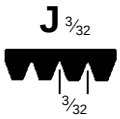

Length Designation and Center Distance, Inches																		Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
410	420	430	440	460	480	490	500	520	550	580	610	650	730	870	920	980		Small Sheave	Large Sheave	950 RPM	1160 RPM	1750 RPM	2850 RPM	3450 RPM
18.1	18.6	19.1	19.6	20.6	21.6	22.1	22.6	23.6	25.1	26.6	28.1	30.1	34.1	41.1	43.6	46.6		1.50	1.50	0.11	0.13	0.18	0.27	0.31
17.9	18.4	18.9	19.4	20.4	21.4	21.9	22.4	23.4	24.9	26.4	27.9	29.9	33.9	40.9	43.4	46.4		1.60	1.60	0.12	0.14	0.20	0.30	0.35
17.8	18.3	18.8	19.3	20.3	21.3	21.8	22.3	23.3	24.8	26.3	27.8	29.8	33.8	40.8	43.3	46.3		1.70	1.70	0.13	0.16	0.22	0.33	0.39
17.6	18.1	18.6	19.1	20.1	21.1	21.6	22.1	23.1	24.6	26.1	27.6	29.6	33.6	40.6	43.1	46.1		1.80	1.80	0.15	0.17	0.24	0.36	0.43
17.5	18.0	18.5	19.0	20.0	21.0	21.5	22.0	23.0	24.5	26.0	27.5	29.5	33.5	40.5	43.0	46.0		1.90	1.90	0.16	0.19	0.26	0.40	0.46
17.3	17.8	18.3	18.8	19.8	20.8	21.3	21.8	22.8	24.3	25.8	27.3	29.3	33.3	40.3	42.8	45.8		2.00	2.00	0.17	0.20	0.28	0.43	0.50
17.1	17.6	18.1	18.6	19.6	20.6	21.1	21.6	22.6	24.1	25.6	27.1	29.1	33.1	40.1	42.6	45.6		2.12	2.12	0.18	0.22	0.31	0.46	0.54
16.9	17.4	17.9	18.4	19.4	20.4	20.9	21.4	22.4	23.9	25.4	26.9	28.9	32.9	39.9	42.4	45.4		2.24	2.24	0.20	0.23	0.33	0.50	0.58
16.7	17.2	17.7	18.2	19.2	20.2	20.7	21.2	22.2	23.7	25.2	26.7	28.7	32.7	39.7	42.2	45.2		2.36	2.36	0.21	0.25	0.36	0.53	0.62
16.5	17.0	17.5	18.0	19.0	20.0	20.5	21.0	22.0	23.5	25.0	26.5	28.5	32.5	39.5	42.0	45.0		2.50	2.50	0.23	0.27	0.38	0.58	0.67
16.3	16.8	17.3	17.8	18.8	19.8	20.3	20.8	21.8	23.3	24.8	26.3	28.3	32.3	39.3	41.8	44.8		2.65	2.65	0.24	0.29	0.41	0.62	0.72
16.1	16.6	17.1	17.6	18.6	19.6	20.1	20.6	21.6	23.1	24.6	26.1	28.1	32.1	39.1	41.6	44.6		2.80	2.80	0.26	0.31	0.44	0.66	0.77
15.7	16.2	16.7	17.2	18.2	19.2	19.7	20.2	21.2	22.7	24.2	25.7	27.7	31.7	38.7	41.2	44.2		3.00	3.00	0.28	0.34	0.48	0.72	0.84
15.5	16.0	16.5	17.0	18.0	19.0	19.5	20.0	21.0	22.5	24.0	25.5	27.5	31.5	38.5	41.0	44.0		3.15	3.15	0.30	0.36	0.51	0.76	0.89
15.2	15.7	16.2	16.7	17.7	18.7	19.2	19.7	20.7	22.2	23.7	25.2	27.2	31.2	38.2	40.7	43.7		3.35	3.35	0.32	0.38	0.54	0.82	0.95
13.4	13.9	14.4	14.9	15.9	16.9	17.4	17.9	18.9	20.4	21.9	23.4	25.4	29.4	36.4	38.9	41.9		4.50	4.50	0.44	0.53	0.75	1.12	1.30
11.0	11.5	12.0	12.5	13.5	14.5	15.0	15.5	16.5	18.0	19.5	21.0	23.0	27.0	34.0	36.5	39.5		6.00	6.00	0.60	0.71	1.01	1.48	1.68
17.5	18.0	18.5	19.0	20.0	21.0	21.5	22.0	23.0	24.5	26.0	27.5	29.5	33.5	40.5	43.0	46.0		1.80	1.90	0.15	0.17	0.25	0.37	0.43
17.4	17.9	18.4	18.9	19.9	20.9	21.4	21.9	22.9	24.4	25.9	27.4	29.4	33.4	40.4	42.9	45.9		1.90	2.00	0.16	0.19	0.27	0.40	0.47
16.8	17.3	17.8	18.3	19.3	20.3	20.8	21.3	22.3	23.8	25.3	26.8	28.8	32.8	39.8	42.3	45.3		2.24	2.36	0.20	0.24	0.33	0.50	0.59
15.6	16.1	16.6	17.1	18.1	19.1	19.6	20.1	21.1	22.6	24.1	25.6	27.6	31.6	38.6	41.1	44.1		3.00	3.15	0.28	0.34	0.48	0.73	0.85
17.9	18.4	18.9	19.4	20.4	21.4	21.9	22.4	23.4	24.9	26.4	27.9	29.9	33.9	40.9	43.4	46.4		1.60	1.70	0.12	0.15	0.21	0.31	0.36
17.7	18.2	18.7	19.2	20.2	21.2	21.7	22.2	23.2	24.7	26.2	27.7	29.7	33.7	40.7	43.2	46.2		1.70	1.80	0.14	0.16	0.23	0.34	0.39
17.2	17.7	18.2	18.7	19.7	20.7	21.2	21.7	22.7	24.2	25.7	27.2	29.2	33.2	40.2	42.7	45.7		2.00	2.12	0.17	0.20	0.29	0.43	0.50
17.0	17.5	18.0	18.5	19.5	20.5	21.0	21.5	22.5	24.0	25.5	27.0	29.0	33.0	40.0	42.5	45.5		2.12	2.24	0.18	0.22	0.31	0.47	0.55
16.6	17.1	17.6	18.1	19.1	20.1	20.6	21.1	22.1	23.6	25.1	26.6	28.6	32.6	39.6	42.1	45.1		2.36	2.50	0.21	0.25	0.36	0.54	0.63
16.4	16.9	17.4	17.9	18.9	19.9	20.4	20.9	21.9	23.4	24.9	26.4	28.4	32.4	39.4	41.9	44.9		2.50	2.65	0.23	0.27	0.39	0.58	0.68
16.2	16.7	17.2	17.7	18.7	19.7	20.2	20.7	21.7	23.2	24.7	26.2	28.2	32.2	39.2	41.7	44.7		2.65	2.80	0.24	0.29	0.41	0.62	0.73
15.3	15.8	16.3	16.8	17.8	18.8	19.3	19.8	20.8	22.3	23.8	25.3	27.3	31.3	38.3	40.8	43.8		3.15	3.35	0.30	0.36	0.51	0.77	0.90
18.0	18.5	19.0	19.5	20.5	21.5	22.0	22.5	23.5	25.0	26.5	28.0	30.0	34.0	41.0	43.5	46.5		1.50	1.60	0.11	0.13	0.19	0.28	0.33
15.9	16.4	16.9	17.4	18.4	19.4	19.9	20.4	21.4	22.9	24.4	25.9	27.9	31.9	38.9	41.4	44.4		2.80	3.00	0.26	0.31	0.45	0.67	0.79
17.5	18.0	18.5	19.0	20.0	21.0	21.5	22.0	23.0	24.5	26.0	27.5	29.5	33.5	40.5	43.0	46.0		1.80	2.00	0.15	0.18	0.25	0.38	0.44
17.3	17.8	18.3	18.8	19.8	20.8	21.3	21.8	22.8	24.3	25.8	27.3	29.3	33.3	40.3	42.8	45.8		1.90	2.12	0.16	0.19	0.27	0.41	0.48
16.9	17.4	17.9	18.4	19.4	20.4	20.9	21.4	22.4	23.9	25.4	26.9	28.9	32.9	39.9	42.4	45.4		2.12	2.36	0.19	0.22	0.32	0.48	0.56
16.7	17.2	17.7	18.2	19.2	20.2	20.7	21.2	22.2	23.7	25.2	26.7	28.7	32.7	39.7	42.2	45.2		2.24	2.50	0.20	0.24	0.34	0.51	0.60
17.8	18.3	18.8	19.3	20.3	21.3	21.8	22.3	23.3	24.8	26.3	27.8	29.8	33.8	40.8	43.3	46.3		1.60	1.80	0.13	0.15	0.21	0.32	0.37
17.6	18.1	18.6	19.1	20.1	21.1	21.6	22.1	23.1	24.6	26.1	27.6	29.6	33.6	40.6	43.1	46.1		1.70	1.90	0.14	0.16	0.23	0.35	0.41
17.1	17.6	18.1	18.6	19.6	20.6	21.1	21.6	22.6	24.1	25.6	27.1	29.1	33.1	40.1	42.6	45.6		2.00	2.24	0.17	0.21	0.29	0.44	0.51
16.5	17.0	17.5	18.0	19.0	20.0	20.5	21.0	22.0	23.5	25.0	26.5	28.5	32.5	39.5	42.0	45.0		2.36	2.65	0.21	0.26	0.36	0.55	0.64
16.3	16.8	17.3	17.8	18.8	19.8	20.3	20.8	21.8	23.3	24.8	26.3	28.3	32.3	39.3	41.8	44.8		2.50	2.80	0.23	0.27	0.39	0.59	0.69
15.8	16.3	16.8	17.3	18.3	19.3	19.8	20.3	21.3	22.8	24.3	25.8	27.8	31.8	38.8	41.3	44.3		2.80	3.15	0.26	0.31	0.45	0.68	0.79
15.5	16.0	16.5	17.0	18.0	19.0	19.5	20.0	21.0	22.5	24.0	25.5	27.5	31.5	38.5	41.0	44.0		3.00	3.35	0.29	0.34	0.49	0.73	0.86
17.9	18.4	18.9	19.4	20.4	21.4	21.9	22.4	23.4	24.9	26.4	27.9	29.9	33.9	40.9	43.4	46.4		1.50	1.70	0.11	0.14	0.19	0.28	0.33
16.0	16.5	17.0	17.5	18.5	19.5	20.0	20.5	21.5	23.0	24.5	26.0	28.0	32.0	39.0	41.5	44.5		2.65	3.00	0.25	0.29	0.42	0.63	0.74
17.5	18.0	18.5	19.0	20.0	21.0	21.5	22.0	23.0	24.5	26.0	27.5	29.5	33.5	40.5	43.0	46.0		1.70	2.00	0.14	0.17	0.23	0.35	0.41
17.4	17.9	18.4	18.9	19.9	20.9	21.4	21.9	22.9	24.4	25.9	27.4	29.4	33.4	40.4	42.9	45.9		1.80	2.12	0.15	0.18	0.25	0.38	0.45
17.7	18.2	18.7	19.2	20.2	21.2	21.7	22.2	23.2	24.7	26.2	27.7	29.7	33.7	40.7	43.2	46.2		1.60	1.90	0.13	0.15	0.21	0.32	0.37
17.2	17.7	18.2	18.7	19.7	20.7	21.2	21.7	22.7	24.2	25.7	27.2	29.2	33.2	40.2	42.7	45.7		1.90	2.24	0.16	0.19	0.28	0.41	0.48
17.0	17.5	18.0	18.5	19.5	20.5	21.0	21.5	22.5	24.0	25.5	27.0	29.0	33.0	40.0	42.5	45.5		2.00	2.36	0.17	0.21	0.30	0.44	0.52
16.8	17.3	17.8	18.3	19.3	20.3	20.8	21.3	22.3	23.8	25.3	26.8	28.8	32.8	39.8	42.3	45.3		2.12	2.50	0.19	0.22	0.32	0.48	0.56
16.6	17.1	17.6	18.1	19.1	20.1	20.6	21.1	22.1	23.6	25.1	26.6	28.6	32.6	39.6	42.1	45.1		2.24	2.65	0.20	0.24	0.34	0.52	0.60
16.4	16.9	17.4	17.9	18.9	19.9	20.4	20.9	21.9	23.4	24.9	26.4	28.4	32.4	39.4	41.9	44.9		2.36	2.80	0.22	0.26	0.37	0.55	0.65
15.9	16.4	16.9	17.4	18.4	19.4	19.9	20.4	21.4	22.9	24.4	25.9	27.9	31.9	38.9	41.4	44.4		2.65	3.15	0.25	0.30	0.42	0.64	0.75
15.6	16.1	16.6	17.1	18.1	19.1	19.6	20.1	21.1	22.6	24.1	25.6	27.6	31.6	38.6	41.1	44.1		2.80	3.35	0.27	0.32	0.45	0.68	0.80

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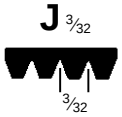

J Section Micro-V® Belt Drive Selection

Table No. 32

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches														
950 RPM	1160 RPM	1750 RPM	2850 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	180	190	200	220	230	240	260	280	290	300	320	330	340	360	380	400
792	967	1458	2375	2875	1.50	1.80	1.20	6.4	6.9	7.4	8.4	8.9	9.4	10.4	11.4	11.9	12.4	13.4	13.9	14.4	15.4	16.4	17.4
792	967	1458	2375	2875	2.50	3.00	1.20	4.6	5.1	5.6	6.6	7.1	7.6	8.6	9.6	10.1	10.6	11.6	12.1	12.6	13.6	14.6	15.6
766	935	1411	2298	2782	1.70	2.12	1.24	5.9	6.4	6.9	7.9	8.5	9.0	10.0	11.0	11.5	12.0	13.0	13.5	14.0	15.0	16.0	17.0
766	935	1411	2298	2782	1.80	2.24	1.24	5.8	6.3	6.8	7.8	8.3	8.8	9.8	10.8	11.3	11.8	12.8	13.3	13.8	14.8	15.8	16.8
766	935	1411	2298	2782	1.90	2.36	1.24	5.6	6.1	6.6	7.6	8.1	8.6	9.6	10.6	11.1	11.6	12.6	13.1	13.6	14.6	15.6	16.6
760	928	1400	2280	2760	1.60	2.00	1.25	6.1	6.6	7.1	8.1	8.6	9.1	10.1	11.1	11.6	12.1	13.1	13.6	14.1	15.1	16.1	17.1
760	928	1400	2280	2760	2.00	2.50	1.25	5.4	5.9	6.4	7.4	7.9	8.4	9.4	10.4	10.9	11.4	12.4	12.9	13.4	14.4	15.4	16.4
760	928	1400	2280	2760	2.12	2.65	1.25	5.2	5.7	6.2	7.2	7.7	8.2	9.2	10.2	10.7	11.2	12.2	12.7	13.2	14.2	15.2	16.2
760	928	1400	2280	2760	2.24	2.80	1.25	5.0	5.5	6.0	7.0	7.5	8.0	9.0	10.0	10.5	11.0	12.0	12.5	13.0	14.0	15.0	16.0
754	921	1389	2262	2738	1.50	1.90	1.26	6.3	6.8	7.3	8.3	8.8	9.3	10.3	11.3	11.8	12.3	13.3	13.8	14.3	15.3	16.3	17.3
754	921	1389	2262	2738	2.50	3.15	1.26	4.5	5.0	5.5	6.5	7.0	7.5	8.5	9.5	10.0	10.5	11.5	12.0	12.5	13.5	14.5	15.5
754	921	1389	2262	2738	2.65	3.35	1.26	4.2	4.7	5.2	6.2	6.7	7.2	8.2	9.2	9.7	10.2	11.2	11.7	12.2	13.2	14.2	15.2
748	913	1378	2244	2717	2.36	3.00	1.27	4.7	5.2	5.7	6.7	7.2	7.7	8.7	9.7	10.2	10.7	11.7	12.2	12.7	13.7	14.7	15.7
725	885	1336	2176	2634	1.70	2.24	1.31	5.9	6.4	6.9	7.9	8.4	8.9	9.9	10.9	11.4	11.9	12.9	13.4	13.9	14.9	15.9	16.9
725	885	1336	2176	2634	1.80	2.36	1.31	5.7	6.2	6.7	7.7	8.2	8.7	9.7	10.7	11.2	11.7	12.7	13.2	13.7	14.7	15.7	16.7
725	885	1336	2176	2634	1.90	2.50	1.31	5.5	6.0	6.5	7.5	8.0	8.5	9.5	10.5	11.0	11.5	12.5	13.0	13.5	14.5	15.5	16.5
720	879	1326	2159	2614	1.60	2.12	1.32	6.0	6.5	7.0	8.0	8.5	9.0	10.0	11.0	11.5	12.0	13.0	13.5	14.0	15.0	16.0	17.0
720	879	1326	2159	2614	2.00	2.65	1.32	5.3	5.8	6.3	7.3	7.8	8.3	9.3	10.3	10.8	11.3	12.3	12.8	13.3	14.3	15.3	16.3
720	879	1326	2159	2614	2.12	2.80	1.32	5.1	5.6	6.1	7.1	7.6	8.1	9.1	10.1	10.6	11.1	12.1	12.6	13.1	14.1	15.1	16.1
714	872	1316	2143	2594	1.50	2.00	1.33	6.2	6.7	7.2	8.2	8.7	9.2	10.2	11.2	11.7	12.2	13.2	13.7	14.2	15.2	16.2	17.2
714	872	1316	2143	2594	2.24	3.00	1.33	4.8	5.3	5.8	6.8	7.3	7.8	8.8	9.8	10.3	10.8	11.8	12.3	12.8	13.8	14.8	15.8
714	872	1316	2143	2594	2.36	3.15	1.33	4.6	5.1	5.6	6.6	7.1	7.6	8.6	9.6	10.1	10.6	11.6	12.1	12.6	13.6	14.6	15.6
714	872	1316	2143	2594	4.50	6.00	1.33									6.2	6.7	7.7	8.2	8.7	9.7	10.7	11.7
714	872	1316	2143	2594	6.00	8.00	1.33															7.9	8.9
709	866	1306	2127	2575	2.50	3.35	1.34	4.3	4.8	5.3	6.3	6.8	7.3	8.3	9.3	9.8	10.3	11.4	11.9	12.4	13.4	14.4	15.4
709	866	1306	2127	2575	3.35	4.50	1.34				4.8	5.3	5.8	6.8	7.8	8.3	8.8	9.8	10.3	10.8	11.8	12.8	13.8
688	841	1268	2065	2500	1.70	2.36	1.38	5.8	6.3	6.8	7.8	8.3	8.8	9.8	10.8	11.3	11.8	12.8	13.3	13.8	14.8	15.8	16.8
688	841	1268	2065	2500	1.80	2.50	1.38	5.6	6.1	6.6	7.6	8.1	8.6	9.6	10.6	11.1	11.6	12.6	13.1	13.6	14.6	15.6	16.6
683	835	1259	2050	2482	1.60	2.24	1.39	5.9	6.4	6.9	7.9	8.4	8.9	9.9	10.9	11.4	11.9	12.9	13.4	13.9	14.9	15.9	16.9
683	835	1259	2050	2482	1.90	2.65	1.39	5.4	5.9	6.4	7.4	7.9	8.4	9.4	10.4	10.9	11.4	12.4	12.9	13.4	14.4	15.4	16.4
683	835	1259	2050	2482	2.00	2.80	1.39	5.2	5.7	6.2	7.2	7.7	8.2	9.2	10.2	10.7	11.2	12.2	12.7	13.2	14.2	15.2	16.2
679	829	1250	2036	2464	2.24	3.15	1.40	4.7	5.2	5.7	6.7	7.2	7.7	8.7	9.7	10.2	10.7	11.7	12.2	12.7	13.7	14.7	15.7
674	823	1241	2021	2447	1.50	2.12	1.41	6.1	6.6	7.1	8.1	8.6	9.1	10.1	11.1	11.6	12.1	13.1	13.6	14.1	15.1	16.1	17.1
674	823	1241	2021	2447	2.12	3.00	1.41	4.9	5.4	5.9	6.9	7.4	7.9	8.9	9.9	10.4	10.9	11.9	12.4	12.9	13.9	14.9	15.9
674	823	1241	2021	2447	2.36	3.35	1.41	4.4	4.9	5.4	6.4	7.0	7.5	8.5	9.5	10.0	10.5	11.5	12.0	12.5	13.5	14.5	15.5
669	817	1232	2007	2430	3.15	4.50	1.42				4.9	5.4	5.9	6.9	7.9	8.4	8.9	9.9	10.4	10.9	11.9	12.9	13.9
651	795	1199	1952	2363	1.70	2.50	1.46	5.6	6.1	6.6	7.6	8.1	8.6	9.6	10.6	11.1	11.6	12.6	13.1	13.6	14.6	15.6	16.6
651	795	1199	1952	2363	1.80	2.65	1.46	5.4	5.9	6.4	7.4	7.9	8.4	9.4	10.4	10.9	11.4	12.5	13.0	13.5	14.5	15.5	16.5
646	789	1190	1939	2347	1.60	2.36	1.47	5.8	6.3	6.8	7.8	8.3	8.8	9.8	10.8	11.3	11.8	12.8	13.3	13.8	14.8	15.8	16.8
646	789	1190	1939	2347	1.90	2.80	1.47	5.2	5.7	6.2	7.2	7.7	8.2	9.3	10.3	10.8	11.3	12.3	12.8	13.3	14.3	15.3	16.3
642	784	1182	1926	2331	1.50	2.24	1.48	6.0	6.5	7.0	8.0	8.5	9.0	10.0	11.0	11.5	12.0	13.0	13.5	14.0	15.0	16.0	17.0
642	784	1182	1926	2331	2.12	3.15	1.48	4.8	5.3	5.8	6.8	7.3	7.8	8.8	9.8	10.3	10.8	11.8	12.3	12.8	13.8	14.8	15.8
638	779	1174	1913	2315	2.00	3.00	1.49	5.0	5.5	6.0	7.0	7.5	8.0	9.0	10.0	10.5	11.0	12.0	12.5	13.0	14.0	15.0	16.0
638	779	1174	1913	2315	2.24	3.35	1.49	4.5	5.0	5.5	6.5	7.0	7.5	8.5	9.5	10.0	10.5	11.5	12.0	12.6	13.6	14.6	15.6
633	773	1167	1900	2300	3.00	4.50	1.50				5.0	5.5	6.0	7.0	8.0	8.5	9.0	10.0	10.5	11.0	12.0	13.0	14.0
613	748	1129	1839	2226	1.60	2.50	1.55	5.7	6.2	6.7	7.7	8.2	8.7	9.7	10.7	11.2	11.7	12.7	13.2	13.7	14.7	15.7	16.7
613	748	1129	1839	2226	1.70	2.65	1.55	5.5	6.0	6.5	7.5	8.0	8.5	9.5	10.5	11.0	11.5	12.5	13.0	13.5	14.5	15.5	16.5
613	748	1129	1839	2226	1.80	2.80	1.55	5.3	5.8	6.3	7.3	7.8	8.3	9.3	10.3	10.8	11.3	12.3	12.8	13.3	14.3	15.3	16.3
609	744	1122	1827	2212	1.50	2.36	1.56	5.9	6.4	6.9	7.9	8.4	8.9	9.9	10.9	11.4	11.9	12.9	13.4	13.9	14.9	15.9	16.9
605	739	1115	1815	2197	1.90	3.00	1.57	5.1	5.6	6.1	7.1	7.6	8.1	9.1	10.1	10.6	11.1	12.1	12.6	13.1	14.1	15.1	16.1
605	739	1115	1815	2197	2.00	3.15	1.57	4.9	5.4	5.9	6.9	7.4	7.9	8.9	9.9	10.4	10.9	11.9	12.4	12.9	13.9	14.9	15.9
605	739	1115	1815	2197	2.12	3.35	1.57	4.6	5.1	5.6	6.6	7.1	7.6	8.6	9.6	10.1	10.6	11.6	12.1	12.6	13.6	14.6	15.6
594	725	1094	1781	2156	2.80	4.50	1.60			4.1	5.1	5.7	6.2	7.2	8.2	8.7	9.2	10.2	10.7	11.2	12.2	13.2	14.2
579	707	1067	1738	2104	1.60	2.65	1.64	5.6	6.1	6.6	7.6	8.1	8.6	9.6	10.6	11.1	11.6	12.6	13.1	13.6	14.6	15.6	16.6
579	707	1067	1738	2104	1.70	2.80	1.64	5.4	5.9	6.4	7.4	7.9	8.4	9.4	10.4	10.9	11.4	12.4	12.9	13.4	14.4	15.4	16.4

Key to correction factors: 0.7 0.8 0.9 1.0

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Length Designation and Center Distance, Inches																		Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
410	420	430	440	460	480	490	500	520	550	580	610	650	730	870	920	980		Small Sheave	Large Sheave	950 RPM	1160 RPM	1750 RPM	2850 RPM	3450 RPM
17.9	18.4	18.9	19.4	20.4	21.4	21.9	22.4	23.4	24.9	26.4	27.9	29.9	33.9	40.9	43.4	46.4		1.50	1.80	0.12	0.14	0.19	0.29	0.34
16.1	16.6	17.1	17.6	18.6	19.6	20.1	20.6	21.6	23.1	24.6	26.1	28.1	32.1	39.1	41.6	44.6		2.50	3.00	0.23	0.28	0.39	0.59	0.69
17.5	18.0	18.5	19.0	20.0	21.0	21.5	22.0	23.0	24.5	26.0	27.5	29.5	33.5	40.5	43.0	46.0		1.70	2.12	0.14	0.17	0.24	0.36	0.42
17.3	17.8	18.3	18.8	19.8	20.8	21.3	21.8	22.8	24.3	25.8	27.3	29.3	33.3	40.3	42.8	45.8		1.80	2.24	0.15	0.18	0.26	0.39	0.45
17.1	17.6	18.1	18.6	19.6	20.6	21.1	21.6	22.6	24.1	25.6	27.1	29.1	33.1	40.1	42.6	45.6		1.90	2.36	0.16	0.20	0.28	0.42	0.49
17.6	18.1	18.6	19.1	20.1	21.1	21.6	22.1	23.1	24.6	26.1	27.6	29.6	33.6	40.6	43.1	46.1		1.60	2.00	0.13	0.15	0.22	0.33	0.38
16.9	17.4	17.9	18.4	19.4	20.4	20.9	21.4	22.4	23.9	25.4	26.9	28.9	32.9	39.9	42.4	45.4		2.00	2.50	0.18	0.21	0.30	0.45	0.53
16.7	17.2	17.7	18.2	19.2	20.2	20.7	21.2	22.2	23.7	25.2	26.7	28.7	32.7	39.7	42.2	45.2		2.12	2.65	0.19	0.23	0.32	0.49	0.57
16.5	17.0	17.5	18.0	19.0	20.0	20.5	21.0	22.0	23.5	25.0	26.5	28.5	32.5	39.5	42.0	45.0		2.24	2.80	0.20	0.24	0.35	0.52	0.61
17.8	18.3	18.8	19.3	20.3	21.3	21.8	22.3	23.3	24.8	26.3	27.8	29.8	33.8	40.8	43.3	46.3		1.50	1.90	0.12	0.14	0.20	0.29	0.34
16.0	16.5	17.0	17.5	18.5	19.5	20.0	20.5	21.5	23.0	24.5	26.0	28.0	32.0	39.0	41.5	44.5		2.50	3.15	0.23	0.28	0.40	0.60	0.70
15.7	16.2	16.7	17.2	18.2	19.2	19.7	20.2	21.2	22.7	24.2	25.7	27.7	31.7	38.7	41.2	44.2		2.65	3.35	0.25	0.30	0.43	0.64	0.75
16.2	16.7	17.2	17.7	18.7	19.7	20.2	20.7	21.7	23.2	24.7	26.2	28.2	32.2	39.2	41.7	44.7		2.36	3.00	0.22	0.26	0.37	0.56	0.65
17.4	17.9	18.4	18.9	19.9	20.9	21.4	21.9	22.9	24.4	25.9	27.4	29.4	33.4	40.4	42.9	45.9		1.70	2.24	0.14	0.17	0.24	0.36	0.42
17.2	17.7	18.2	18.7	19.7	20.7	21.2	21.7	22.7	24.2	25.7	27.2	29.2	33.2	40.2	42.7	45.7		1.80	2.36	0.15	0.18	0.26	0.39	0.45
17.0	17.5	18.0	18.5	19.5	20.5	21.0	21.5	22.5	24.0	25.5	27.0	29.0	33.0	40.0	42.5	45.5		1.90	2.50	0.16	0.20	0.28	0.42	0.49
17.5	18.0	18.5	19.0	20.0	21.0	21.5	22.0	23.0	24.5	26.0	27.5	29.5	33.5	40.5	43.0	46.0		1.60	2.12	0.13	0.15	0.22	0.33	0.38
16.8	17.3	17.8	18.3	19.3	20.3	20.8	21.3	22.3	23.8	25.3	26.8	28.8	32.8	39.8	42.3	45.3		2.00	2.65	0.18	0.21	0.30	0.45	0.53
16.6	17.1	17.6	18.1	19.1	20.1	20.6	21.1	22.1	23.6	25.1	26.6	28.6	32.6	39.6	42.1	45.1		2.12	2.80	0.19	0.23	0.32	0.49	0.57
17.7	18.2	18.7	19.2	20.2	21.2	21.7	22.2	23.2	24.7	26.2	27.7	29.7	33.7	40.7	43.2	46.2		1.50	2.00	0.12	0.14	0.20	0.29	0.34
16.3	16.8	17.3	17.8	18.8	19.8	20.3	20.8	21.8	23.3	24.8	26.3	28.3	32.3	39.3	41.8	44.8		2.24	3.00	0.20	0.24	0.35	0.52	0.61
16.1	16.6	17.1	17.6	18.6	19.6	20.1	20.6	21.6	23.1	24.6	26.1	28.1	32.1	39.1	41.6	44.6		2.36	3.15	0.22	0.26	0.37	0.56	0.65
12.2	12.7	13.2	13.7	14.7	15.7	16.2	16.7	17.7	19.2	20.7	22.2	24.2	28.2	35.2	37.7	40.7		4.50	6.00	0.45	0.54	0.77	1.15	1.33
9.4	9.9	10.4	10.9	11.9	12.9	13.4	13.9	14.9	16.4	17.9	19.4	21.4	25.4	32.4	34.9	37.9		6.00	8.00	0.61	0.72	1.03	1.50	1.71
15.9	16.4	16.9	17.4	18.4	19.4	19.9	20.4	21.4	22.9	24.4	25.9	27.9	31.9	38.9	41.4	44.4		2.50	3.35	0.23	0.28	0.40	0.60	0.71
14.3	14.8	15.3	15.8	16.8	17.8	18.3	18.8	19.8	21.3	22.8	24.3	26.3	30.3	37.3	39.8	42.8		3.35	4.50	0.33	0.39	0.56	0.85	0.99
17.3	17.8	18.3	18.8	19.8	20.8	21.3	21.8	22.8	24.3	25.8	27.3	29.3	33.3	40.3	42.8	45.8		1.70	2.36	0.14	0.17	0.24	0.36	0.42
17.1	17.6	18.1	18.6	19.6	20.6	21.1	21.6	22.6	24.1	25.6	27.1	29.1	33.1	40.1	42.6	45.6		1.80	2.50	0.15	0.18	0.26	0.39	0.46
17.4	17.9	18.4	18.9	19.9	20.9	21.4	21.9	22.9	24.4	25.9	27.4	29.4	33.4	40.4	42.9	45.9		1.60	2.24	0.13	0.16	0.22	0.33	0.38
16.9	17.4	17.9	18.4	19.4	20.4	20.9	21.4	22.4	23.9	25.4	26.9	28.9	32.9	39.9	42.4	45.4		1.90	2.65	0.17	0.20	0.28	0.42	0.49
16.7	17.2	17.7	18.2	19.2	20.2	20.7	21.2	22.2	23.7	25.2	26.7	28.7	32.7	39.7	42.2	45.2		2.00	2.80	0.18	0.21	0.30	0.45	0.53
16.2	16.7	17.2	17.7	18.7	19.7	20.2	20.7	21.7	23.2	24.7	26.2	28.2	32.2	39.2	41.7	44.7		2.24	3.15	0.21	0.24	0.35	0.53	0.62
17.6	18.1	18.6	19.1	20.1	21.1	21.6	22.1	23.1	24.6	26.1	27.6	29.6	33.6	40.6	43.1	46.1		1.50	2.12	0.12	0.14	0.20	0.30	0.35
16.4	16.9	17.4	17.9	18.9	19.9	20.4	20.9	21.9	23.4	24.9	26.4	28.4	32.4	39.4	41.9	44.9		2.12	3.00	0.19	0.23	0.32	0.49	0.57
16.0	16.5	17.0	17.5	18.5	19.5	20.0	20.5	21.5	23.0	24.5	26.0	28.0	32.0	39.0	41.5	44.5		2.36	3.35	0.22	0.26	0.37	0.56	0.66
14.4	14.9	15.4	15.9	16.9	17.9	18.4	18.9	19.9	21.4	22.9	24.4	26.4	30.4	37.4	39.9	42.9		3.15	4.50	0.31	0.37	0.52	0.79	0.92
17.1	17.6	18.1	18.6	19.7	20.7	21.2	21.7	22.7	24.2	25.7	27.2	29.2	33.2	40.2	42.7	45.7		1.70	2.50	0.14	0.17	0.24	0.36	0.42
17.0	17.5	18.0	18.5	19.5	20.5	21.0	21.5	22.5	24.0	25.5	27.0	29.0	33.0	40.0	42.5	45.5		1.80	2.65	0.15	0.18	0.26	0.39	0.46
17.3	17.8	18.3	18.8	19.8	20.8	21.3	21.8	22.8	24.3	25.8	27.3	29.3	33.3	40.3	42.8	45.8		1.60	2.36	0.13	0.16	0.22	0.33	0.38
16.8	17.3	17.8	18.3	19.3	20.3	20.8	21.3	22.3	23.8	25.3	26.8	28.8	32.8	39.8	42.3	45.3		1.90	2.80	0.17	0.20	0.28	0.42	0.49
17.5	18.0	18.5	19.0	20.0	21.0	21.5	22.0	23.0	24.5	26.0	27.5	29.5	33.5	40.5	43.0	46.0		1.50	2.24	0.12	0.14	0.20	0.30	0.35
16.3	16.8	17.3	17.8	18.8	19.8	20.3	20.8	21.8	23.3	24.8	26.3	28.3	32.3	39.3	41.8	44.8		2.12	3.15	0.19	0.23	0.33	0.49	0.58
16.5	17.0	17.5	18.0	19.0	20.0	20.5	21.0	22.0	23.5	25.0	26.5	28.5	32.5	39.5	42.0	45.0		2.00	3.00	0.18	0.21	0.30	0.46	0.54
16.1	16.6	17.1	17.6	18.6	19.6	20.1	20.6	21.6	23.1	24.6	26.1	28.1	32.1	39.1	41.6	44.6		2.24	3.35	0.21	0.25	0.35	0.53	0.62
14.5	15.0	15.5	16.0	17.0	18.0	18.5	19.0	20.0	21.5	23.1	24.6	26.6	30.6	37.6	40.1	43.1		3.00	4.50	0.29	0.35	0.50	0.75	0.88
17.2	17.7	18.2	18.7	19.7	20.7	21.2	21.7	22.7	24.2	25.7	27.2	29.2	33.2	40.2	42.7	45.7		1.60	2.50	0.13	0.16	0.22	0.33	0.39
17.0	17.5	18.0	18.5	19.5	20.5	21.0	21.5	22.5	24.0	25.5	27.0	29.0	33.0	40.0	42.5	45.5		1.70	2.65	0.14	0.17	0.24	0.37	0.43
16.8	17.3	17.8	18.3	19.3	20.3	20.8	21.3	22.3	23.8	25.3	26.8	28.8	32.8	39.8	42.3	45.3		1.80	2.80	0.16	0.19	0.26	0.40	0.46
17.4	17.9	18.4	18.9	19.9	20.9	21.4	21.9	22.9	24.4	25.9	27.4	29.4	33.4	40.4	42.9	45.9		1.50	2.36	0.12	0.14	0.20	0.30	0.35
16.6	17.1	17.6	18.1	19.1	20.1	20.6	21.1	22.1	23.6	25.1	26.6	28.6	32.6	39.6	42.1	45.1		1.90	3.00	0.17	0.20	0.28	0.43	0.50
16.4	16.9	17.4	17.9	18.9	19.9	20.4	20.9	21.9	23.4	24.9	26.4	28.4	32.4	39.4	41.9	44.9		2.00	3.15	0.18	0.21	0.30	0.46	0.54
16.1	16.6	17.1	17.6	18.6	19.6	20.1	20.6	21.6	23.1	24.6	26.1	28.2	32.2	39.2	41.7	44.7		2.12	3.35	0.19	0.23	0.33	0.49	0.58
14.7	15.2	15.7	16.2	17.2	18.2	18.7	19.2	20.2	21.7	23.2	24.7	26.7	30.7	37.7	40.2	43.2		2.80	4.50	0.27	0.32	0.46	0.70	0.81
17.1	17.6	18.1	18.6	19.6	20.6	21.1	21.6	22.6	24.1	25.6	27.1	29.1	33.1	40.1	42.6	45.6		1.60	2.65	0.13	0.16	0.22	0.33	0.39
16.9	17.4	17.9	18.4	19.4	20.4	20.9	21.4	22.4	23.9	25.4	26.9	28.9	32.9	39.9	42.4	45.4		1.70	2.80	0.14	0.17	0.24	0.37	0.43

Key to correction factors: 1.0 | 1.1 | 1.2 | 1.3

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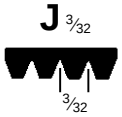

J Section Micro-V® Belt Drive Selection

Table No. 32

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches													
950 RPM	1160 RPM	1750 RPM	2850 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	180	190	200	220	230	240	260	280	290	300	320	330	340	360	380	400
576	703	1061	1727	2091	1.50	2.50	1.65	5.8	6.3	6.8	7.8	8.3	8.8	9.8	10.8	11.3	11.8	12.8	13.3	13.8	14.8	15.8	16.8
576	703	1061	1727	2091	1.90	3.15	1.65	4.9	5.5	6.0	7.0	7.5	8.0	9.0	10.0	10.5	11.0	12.0	12.5	13.0	14.0	15.0	16.0
572	699	1054	1717	2078	1.80	3.00	1.66	5.1	5.7	6.2	7.2	7.7	8.2	9.2	10.2	10.7	11.2	12.2	12.7	13.2	14.2	15.2	16.2
569	695	1048	1707	2066	2.00	3.35	1.67	4.7	5.2	5.7	6.7	7.2	7.7	8.7	9.7	10.2	10.7	11.7	12.2	12.7	13.7	14.7	15.7
562	686	1036	1686	2041	2.65	4.50	1.69			4.2	5.3	5.8	6.3	7.3	8.3	8.8	9.3	10.3	10.8	11.3	12.3	13.3	14.3
546	667	1006	1638	1983	1.60	2.80	1.74	5.5	6.0	6.5	7.5	8.0	8.5	9.5	10.5	11.0	11.5	12.5	13.0	13.5	14.5	15.5	16.5
546	667	1006	1638	1983	1.80	3.15	1.74	5.0	5.5	6.0	7.0	7.5	8.0	9.0	10.0	10.5	11.0	12.0	12.5	13.0	14.0	15.1	16.1
543	663	1000	1629	1971	1.50	2.65	1.75	5.7	6.2	6.7	7.7	8.2	8.7	9.7	10.7	11.2	11.7	12.7	13.2	13.7	14.7	15.7	16.7
543	663	1000	1629	1971	1.70	3.00	1.75	5.2	5.7	6.2	7.2	7.7	8.2	9.2	10.2	10.7	11.2	12.2	12.7	13.2	14.2	15.2	16.2
543	663	1000	1629	1971	1.90	3.35	1.75	4.8	5.3	5.8	6.8	7.3	7.8	8.8	9.8	10.3	10.8	11.8	12.3	12.8	13.8	14.8	15.8
540	659	994	1619	1960	6.00	10.60	1.76																
537	655	989	1610	1949	4.50	8.00	1.77													6.9	7.9	9.0	10.0
534	652	983	1601	1938	3.35	6.00	1.78							5.4	6.5	7.0	7.5	8.5	9.0	9.5	10.5	11.5	12.5
531	648	978	1592	1927	2.50	4.50	1.79			4.3	5.4	5.9	6.4	7.4	8.4	8.9	9.4	10.4	10.9	11.4	12.4	13.4	14.4
516	630	951	1549	1875	1.70	3.15	1.84	5.1	5.6	6.1	7.1	7.6	8.1	9.1	10.1	10.6	11.1	12.1	12.6	13.1	14.1	15.1	16.1
514	627	946	1541	1865	1.50	2.80	1.85	5.5	6.0	6.5	7.5	8.0	8.6	9.6	10.6	11.1	11.6	12.6	13.1	13.6	14.6	15.6	16.6
514	627	946	1541	1865	1.80	3.35	1.85	4.8	5.4	5.9	6.9	7.4	7.9	8.9	9.9	10.4	10.9	11.9	12.4	12.9	13.9	14.9	15.9
511	624	941	1532	1855	1.60	3.00	1.86	5.3	5.8	6.3	7.3	7.8	8.3	9.3	10.3	10.8	11.3	12.3	12.8	13.3	14.3	15.3	16.3
500	611	921	1500	1816	2.36	4.50	1.90		3.9	4.4	5.5	6.0	6.5	7.5	8.5	9.0	9.5	10.5	11.0	11.5	12.5	13.5	14.5
500	611	921	1500	1816	3.15	6.00	1.90							5.6	6.6	7.1	7.6	8.6	9.2	9.7	10.7	11.7	12.7
487	595	897	1462	1769	1.60	3.15	1.95	5.2	5.7	6.2	7.2	7.7	8.2	9.2	10.2	10.7	11.2	12.2	12.7	13.2	14.2	15.2	16.2
487	595	897	1462	1769	1.70	3.35	1.95	4.9	5.4	5.9	6.9	7.4	7.9	8.9	10.0	10.5	11.0	12.0	12.5	13.0	14.0	15.0	16.0
480	586	884	1439	1742	1.50	3.00	1.98	5.4	5.9	6.4	7.4	7.9	8.4	9.4	10.4	10.9	11.4	12.4	12.9	13.4	14.4	15.4	16.4
477	583	879	1432	1734	3.00	6.00	1.99							5.7	6.7	7.2	7.7	8.8	9.3	9.8	10.8	11.8	12.8
475	580	875	1425	1725	2.24	4.50	2.00		4.0	4.5	5.5	6.1	6.6	7.6	8.6	9.1	9.6	10.6	11.1	11.6	12.6	13.6	14.6
459	560	845	1377	1667	1.60	3.35	2.07	5.0	5.5	6.0	7.0	7.5	8.0	9.0	10.0	10.5	11.0	12.0	12.5	13.0	14.0	15.0	16.0
457	558	841	1370	1659	1.50	3.15	2.08	5.2	5.7	6.2	7.3	7.8	8.3	9.3	10.3	10.8	11.3	12.3	12.8	13.3	14.3	15.3	16.3
450	550	829	1351	1635	2.12	4.50	2.11		4.1	4.6	5.6	6.1	6.6	7.7	8.7	9.2	9.7	10.7	11.2	11.7	12.7	13.7	14.7
446	545	822	1338	1620	2.80	6.00	2.13							5.8	6.9	7.4	7.9	8.9	9.4	9.9	10.9	11.9	12.9
430	525	792	1290	1561	1.50	3.35	2.21	5.1	5.6	6.1	7.1	7.6	8.1	9.1	10.1	10.6	11.1	12.1	12.6	13.1	14.1	15.1	16.1
426	520	785	1278	1547	2.00	4.50	2.23		4.2	4.7	5.7	6.2	6.7	7.7	8.8	9.3	9.8	10.8	11.3	11.8	12.8	13.8	14.8
422	516	778	1267	1533	2.65	6.00	2.25						4.9	5.9	7.0	7.5	8.0	9.0	9.5	10.0	11.0	12.0	13.1
408	498	751	1223	1481	6.00	14.00	2.33																
404	494	745	1213	1468	1.90	4.50	2.35	3.7	4.2	4.7	5.8	6.3	6.8	7.8	8.8	9.3	9.8	10.8	11.4	11.9	12.9	13.9	14.9
404	494	745	1213	1468	4.50	10.60	2.35																
399	487	735	1197	1450	2.50	6.00	2.38						5.0	6.0	7.1	7.6	8.1	9.1	9.6	10.1	11.1	12.2	13.2
399	487	735	1197	1450	3.35	8.00	2.38											6.6	7.2	7.7	8.7	9.8	10.8
383	468	706	1149	1391	1.80	4.50	2.48	3.8	4.3	4.8	5.8	6.4	6.9	7.9	8.9	9.4	9.9	10.9	11.4	11.9	12.9	13.9	14.9
377	460	694	1131	1369	2.36	6.00	2.52						5.1	6.1	7.2	7.7	8.2	9.2	9.7	10.2	11.2	12.3	13.3
375	458	692	1126	1364	3.15	8.00	2.53											6.8	7.3	7.8	8.9	9.9	10.9
363	443	668	1088	1317	1.70	4.50	2.62	3.8	4.4	4.9	5.9	6.4	6.9	8.0	9.0	9.5	10.0	11.0	11.5	12.0	13.0	14.0	15.0
358	438	660	1075	1302	3.00	8.00	2.65											6.9	7.4	7.9	9.0	10.0	11.0
357	436	658	1071	1297	2.24	6.00	2.66					4.6	5.1	6.2	7.2	7.8	8.3	9.3	9.8	10.3	11.3	12.3	13.3
342	417	629	1025	1241	1.60	4.50	2.78	3.9	4.4	4.9	6.0	6.5	7.0	8.0	9.0	9.6	10.1	11.1	11.6	12.1	13.1	14.1	15.1
339	414	625	1018	1232	2.12	6.00	2.80					4.7	5.2	6.3	7.3	7.8	8.4	9.4	9.9	10.4	11.4	12.4	13.4
335	408	616	1004	1215	2.80	8.00	2.84										5.9	7.0	7.5	8.1	9.1	10.1	11.2
321	392	591	963	1166	1.50	4.50	2.96	4.0	4.5	5.0	6.1	6.6	7.1	8.1	9.1	9.6	10.1	11.1	11.6	12.1	13.2	14.2	15.2
320	391	589	960	1162	2.00	6.00	2.97					4.7	5.3	6.4	7.4	7.9	8.4	9.5	10.0	10.5	11.5	12.5	13.5
317	387	583	950	1150	2.65	8.00	3.00										6.0	7.1	7.6	8.1	9.2	10.2	11.3
306	374	565	919	1113	4.50	14.00	3.10																
304	372	561	913	1106	1.90	6.00	3.12					4.8	5.4	6.4	7.5	8.0	8.5	9.5	10.0	10.5	11.6	12.6	13.6
303	369	557	908	1099	3.35	10.60	3.14																8.2
301	367	554	902	1092	6.00	19.00	3.16																
300	366	552	899	1088	2.50	8.00	3.17										6.1	7.2	7.7	8.2	9.3	10.3	11.4
288	352	530	864	1045	1.80	6.00	3.30					4.9	5.4	6.5	7.5	8.1	8.6	9.6	10.1	10.6	11.6	12.7	13.7
284	347	524	853	1033	3.15	10.60	3.34																8.3

Key to correction factors: 0.7 0.8 0.9 1.0

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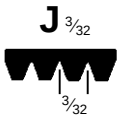

Length Designation and Center Distance, Inches																		Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
410	420	430	440	460	480	490	500	520	550	580	610	650	730	870	920	980		Small Sheave	Large Sheave	950 RPM	1160 RPM	1750 RPM	2850 RPM	3450 RPM
17.3	17.8	18.3	18.8	19.8	20.8	21.3	21.8	22.8	24.3	25.8	27.3	29.3	33.3	40.3	42.8	45.8		1.50	2.50	0.12	0.14	0.20	0.30	0.35
16.5	17.0	17.5	18.0	19.0	20.0	20.5	21.0	22.0	23.5	25.0	26.5	28.5	32.5	39.5	42.0	45.0		1.90	3.15	0.17	0.20	0.28	0.43	0.50
16.7	17.2	17.7	18.2	19.2	20.2	20.7	21.2	22.2	23.7	25.2	26.7	28.7	32.7	39.7	42.2	45.2		1.80	3.00	0.16	0.19	0.26	0.40	0.46
16.2	16.7	17.2	17.7	18.7	19.7	20.2	20.7	21.7	23.2	24.7	26.2	28.2	32.2	39.2	41.7	44.7		2.00	3.35	0.18	0.21	0.30	0.46	0.54
14.8	15.3	15.8	16.3	17.3	18.3	18.8	19.3	20.3	21.8	23.3	24.8	26.8	30.8	37.8	40.3	43.3		2.65	4.50	0.25	0.30	0.43	0.65	0.76
17.0	17.5	18.0	18.5	19.5	20.5	21.0	21.5	22.5	24.0	25.5	27.0	29.0	33.0	40.0	42.5	45.5		1.60	2.80	0.13	0.16	0.23	0.34	0.40
16.6	17.1	17.6	18.1	19.1	20.1	20.6	21.1	22.1	23.6	25.1	26.6	28.6	32.6	39.6	42.1	45.1		1.80	3.15	0.16	0.19	0.27	0.40	0.47
17.2	17.7	18.2	18.7	19.7	20.7	21.2	21.7	22.7	24.2	25.7	27.2	29.2	33.2	40.2	42.7	45.7		1.50	2.65	0.12	0.14	0.20	0.31	0.36
16.7	17.2	17.7	18.2	19.3	20.3	20.8	21.3	22.3	23.8	25.3	26.8	28.8	32.8	39.8	42.3	45.3		1.70	3.00	0.15	0.17	0.25	0.37	0.43
16.3	16.8	17.3	17.8	18.8	19.8	20.3	20.8	21.8	23.3	24.8	26.3	28.3	32.3	39.3	41.8	44.8		1.90	3.35	0.17	0.20	0.29	0.43	0.51
				9.6	10.7	11.2	11.7	12.7	14.2	15.7	17.3	19.3	23.3	30.3	32.8	35.8		6.00	10.60	0.61	0.73	1.03	1.52	1.73
10.5	11.0	11.5	12.0	13.0	14.0	14.5	15.0	16.0	17.5	19.1	20.6	22.6	26.6	33.6	36.1	39.1		4.50	8.00	0.46	0.54	0.78	1.16	1.34
13.0	13.5	14.0	14.5	15.6	16.6	17.1	17.6	18.6	20.1	21.6	23.1	25.1	29.1	36.1	38.6	41.6		3.35	6.00	0.33	0.40	0.57	0.86	1.00
14.9	15.4	15.9	16.4	17.4	18.4	18.9	19.4	20.4	21.9	23.4	24.9	26.9	30.9	37.9	40.4	43.4		2.50	4.50	0.24	0.28	0.40	0.61	0.72
16.6	17.1	17.6	18.1	19.1	20.1	20.6	21.1	22.1	23.6	25.1	26.6	28.6	32.6	39.6	42.1	45.1		1.70	3.15	0.15	0.17	0.25	0.37	0.43
17.1	17.6	18.1	18.6	19.6	20.6	21.1	21.6	22.6	24.1	25.6	27.1	29.1	33.1	40.1	42.6	45.6		1.50	2.80	0.12	0.14	0.20	0.31	0.36
16.4	16.9	17.4	17.9	18.9	19.9	20.4	20.9	21.9	23.4	24.9	26.4	28.4	32.4	39.4	41.9	44.9		1.80	3.35	0.16	0.19	0.27	0.40	0.47
16.8	17.3	17.8	18.3	19.3	20.3	20.8	21.3	22.3	23.8	25.3	26.8	28.8	32.8	39.8	42.3	45.3		1.60	3.00	0.13	0.16	0.23	0.34	0.40
15.0	15.5	16.0	16.5	17.5	18.5	19.0	19.5	20.5	22.0	23.5	25.0	27.0	31.0	38.0	40.6	43.6		2.36	4.50	0.22	0.26	0.38	0.57	0.67
13.2	13.7	14.2	14.7	15.7	16.7	17.2	17.7	18.7	20.2	21.7	23.2	25.2	29.2	36.2	38.7	41.7		3.15	6.00	0.31	0.37	0.53	0.80	0.93
16.7	17.2	17.7	18.2	19.2	20.2	20.7	21.2	22.2	23.7	25.2	26.7	28.7	32.7	39.7	42.2	45.2		1.60	3.15	0.13	0.16	0.23	0.34	0.40
16.5	17.0	17.5	18.0	19.0	20.0	20.5	21.0	22.0	23.5	25.0	26.5	28.5	32.5	39.5	42.0	45.0		1.70	3.35	0.15	0.17	0.25	0.37	0.43
16.9	17.4	17.9	18.4	19.4	20.4	20.9	21.4	22.4	23.9	25.4	26.9	28.9	32.9	39.9	42.4	45.4		1.50	3.00	0.12	0.14	0.20	0.31	0.36
13.3	13.8	14.3	14.8	15.8	16.8	17.3	17.8	18.8	20.3	21.8	23.3	25.3	29.3	36.4	38.9	41.9		3.00	6.00	0.29	0.35	0.50	0.76	0.88
15.1	15.6	16.1	16.6	17.6	18.6	19.1	19.6	20.6	22.1	23.6	25.1	27.1	31.1	38.1	40.6	43.6		2.24	4.50	0.21	0.25	0.35	0.54	0.63
16.5	17.0	17.5	18.0	19.0	20.0	20.5	21.0	22.0	23.5	25.0	26.6	28.6	32.6	39.6	42.1	45.1		1.60	3.35	0.13	0.16	0.23	0.34	0.40
16.8	17.3	17.8	18.3	19.3	20.3	20.8	21.3	22.3	23.8	25.3	26.8	28.8	32.8	39.8	42.3	45.3		1.50	3.15	0.12	0.14	0.20	0.31	0.36
15.2	15.7	16.2	16.7	17.7	18.7	19.2	19.7	20.7	22.2	23.7	25.2	27.2	31.2	38.2	40.7	43.7		2.12	4.50	0.19	0.23	0.33	0.50	0.58
13.4	13.9	14.5	15.0	16.0	17.0	17.5	18.0	19.0	20.5	22.0	23.5	25.5	29.5	36.5	39.0	42.0		2.80	6.00	0.27	0.32	0.46	0.70	0.82
16.6	17.1	17.6	18.1	19.1	20.1	20.6	21.1	22.1	23.6	25.1	26.6	28.6	32.6	39.6	42.1	45.1		1.50	3.35	0.12	0.14	0.20	0.31	0.36
15.3	15.8	16.3	16.8	17.8	18.8	19.3	19.8	20.8	22.3	23.8	25.3	27.3	31.3	38.3	40.8	43.8		2.00	4.50	0.18	0.21	0.31	0.46	0.54
13.6	14.1	14.6	15.1	16.1	17.1	17.6	18.1	19.1	20.6	22.1	23.6	25.6	29.6	36.6	39.1	42.1		2.65	6.00	0.25	0.30	0.43	0.66	0.77
									11.0	12.6	14.2	16.3	20.4	27.5	30.0	33.0		6.00	14.00	0.61	0.73	1.04	1.52	1.73
15.4	15.9	16.4	16.9	17.9	18.9	19.4	19.9	20.9	22.4	23.9	25.4	27.4	31.4	38.4	40.9	43.9		1.90	4.50	0.17	0.20	0.29	0.44	0.51
	8.5	9.1	9.6	10.7	11.7	12.2	12.7	13.8	15.3	16.8	18.3	20.4	24.4	31.4	34.0	37.0		4.50	10.60	0.46	0.55	0.78	1.16	1.35
13.7	14.2	14.7	15.2	16.2	17.2	17.7	18.2	19.2	20.7	22.2	23.7	25.7	29.7	36.7	39.2	42.2		2.50	6.00	0.24	0.29	0.41	0.62	0.72
11.3	11.8	12.3	12.8	13.8	14.9	15.4	15.9	16.9	18.4	19.9	21.4	23.4	27.4	34.5	37.0	40.0		3.35	8.00	0.33	0.40	0.57	0.86	1.00
15.4	15.9	16.4	17.0	18.0	19.0	19.5	20.0	21.0	22.5	24.0	25.5	27.5	31.5	38.5	41.0	44.0		1.80	4.50	0.16	0.19	0.27	0.41	0.47
13.8	14.3	14.8	15.3	16.3	17.3	17.8	18.3	19.3	20.8	22.3	23.8	25.8	29.8	36.8	39.3	42.3		2.36	6.00	0.22	0.27	0.38	0.58	0.67
11.4	11.9	12.5	13.0	14.0	15.0	15.5	16.0	17.0	18.5	20.0	21.6	23.6	27.6	34.6	37.1	40.1		3.15	8.00	0.31	0.37	0.53	0.80	0.94
15.5	16.0	16.5	17.0	18.0	19.0	19.5	20.0	21.0	22.5	24.0	25.5	27.5	31.6	38.6	41.1	44.1		1.70	4.50	0.15	0.17	0.25	0.37	0.44
11.5	12.1	12.6	13.1	14.1	15.1	15.6	16.1	17.1	18.6	20.2	21.7	23.7	27.7	34.7	37.2	40.2		3.00	8.00	0.30	0.35	0.50	0.76	0.89
13.9	14.4	14.9	15.4	16.4	17.4	17.9	18.4	19.4	20.9	22.4	23.9	25.9	29.9	36.9	39.4	42.4		2.24	6.00	0.21	0.25	0.36	0.54	0.63
15.6	16.1	16.6	17.1	18.1	19.1	19.6	20.1	21.1	22.6	24.1	25.6	27.6	31.6	38.6	41.1	44.1		1.60	4.50	0.14	0.16	0.23	0.34	0.40
13.9	14.4	14.9	15.5	16.5	17.5	18.0	18.5	19.5	21.0	22.5	24.0	26.0	30.0	37.0	39.5	42.5		2.12	6.00	0.20	0.23	0.33	0.50	0.59
11.7	12.2	12.7	13.2	14.2	15.2	15.8	16.3	17.3	18.8	20.3	21.8	23.8	27.8	34.9	37.4	40.4		2.80	8.00	0.27	0.33	0.47	0.70	0.82
15.7	16.2	16.7	17.2	18.2	19.2	19.7	20.2	21.2	22.7	24.2	25.7	27.7	31.7	38.7	41.2	44.2		1.50	4.50	0.12	0.15	0.21	0.31	0.36
14.0	14.5	15.0	15.5	16.5	17.6	18.1	18.6	19.6	21.1	22.6	24.1	26.1	30.1	37.1	39.6	42.6		2.00	6.00	0.18	0.22	0.31	0.47	0.55
11.8	12.3	12.8	13.3	14.3	15.4	15.9	16.4	17.4	18.9	20.4	21.9	23.9	28.0	35.0	37.5	40.5		2.65	8.00	0.26	0.31	0.44	0.66	0.77
								10.3	12.0	13.6	15.2	17.3	21.4	28.5	31.1	34.1		4.50	14.00	0.46	0.55	0.78	1.16	1.35
14.1	14.6	15.1	15.6	16.6	17.6	18.1	18.6	19.6	21.1	22.7	24.2	26.2	30.2	37.2	39.7	42.7		1.90	6.00	0.17	0.20	0.29	0.44	0.51
8.7	9.3	9.8	10.4	11.4	12.5	13.0	13.5	14.5	16.1	17.6	19.2	21.2	25.2	32.3	34.8	37.8		3.35	10.60	0.33	0.40	0.57	0.86	1.00
													15.5	22.9	25.5	28.6		6.00	19.00	0.61	0.73	1.04	1.52	1.73
11.9	12.4	12.9	13.4	14.4	15.5	16.0	16.5	17.5	19.0	20.5	22.0	24.0	28.1	35.1	37.6	40.6		2.50	8.00	0.24	0.29	0.41	0.62	0.72
14.2	14.7	15.2	15.7	16.7	17.7	18.2	18.7	19.7	21.2	22.7	24.2	26.2	30.3	37.3	39.8	42.8		1.80	6.00	0.16	0.19	0.27	0.41	0.47
8.9	9.4	10.0	10.5	11.6	12.6	13.1	13.6	14.7	16.2	17.8	19.3	21.3	25.4	32.4	35.0	38.0		3.15	10.60	0.31	0.37	0.53	0.80	0.94

Key to correction factors: 0.9 | 1.0 | 1.1 | 1.2 | 1.3

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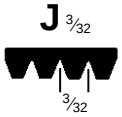

J Section Micro-V® Belt Drive Selection

Table No. 32

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches														
950 RPM	1160 RPM	1750 RPM	2850 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	180	190	200	220	230	240	260	280	290	300	320	330	340	360	380	400
283	345	521	848	1027	2.36	8.00	3.36										6.2	7.3	7.8	8.3	9.4	10.4	11.5
272	332	501	817	989	1.70	6.00	3.49				4.4	4.9	5.5	6.6	7.6	8.1	8.6	9.7	10.2	10.7	11.7	12.7	13.7
271	330	499	812	983	3.00	10.60	3.51															7.3	8.4
268	328	494	805	975	2.24	8.00	3.54									5.7	6.2	7.3	7.9	8.4	9.5	10.5	11.6
257	314	473	770	932	1.60	6.00	3.70				4.4	5.0	5.5	6.6	7.7	8.2	8.7	9.7	10.2	10.8	11.8	12.8	13.8
255	311	469	764	925	2.12	8.00	3.73									5.8	6.3	7.4	8.0	8.5	9.6	10.6	11.6
253	309	465	758	918	2.80	10.60	3.76															7.4	8.5
241	294	444	723	876	1.50	6.00	3.94				4.5	5.1	5.6	6.7	7.7	8.3	8.8	9.8	10.3	10.8	11.8	12.9	13.9
240	293	442	720	871	2.00	8.00	3.96									5.8	6.4	7.5	8.0	8.6	9.6	10.7	11.7
239	292	441	718	869	2.65	10.60	3.97															7.5	8.6
229	280	422	687	831	3.35	14.00	4.15																
228	279	421	685	829	1.90	8.00	4.16									5.9	6.5	7.6	8.1	8.6	9.7	10.7	11.8
226	276	417	679	821	2.50	10.60	4.20															7.6	8.7
226	276	417	679	821	4.50	19.00	4.20																
216	264	399	649	786	1.80	8.00	4.39								5.4	5.9	6.5	7.6	8.2	8.7	9.8	10.8	11.9
215	263	397	646	782	3.15	14.00	4.41																
213	261	393	640	775	2.36	10.60	4.45															7.7	8.8
205	251	378	616	745	3.00	14.00	4.63																
205	250	377	614	744	1.70	8.00	4.64								5.4	6.0	6.6	7.7	8.2	8.8	9.8	10.9	11.9
203	248	374	609	737	2.24	10.60	4.68															7.7	8.9
193	235	355	578	700	1.60	8.00	4.93								5.5	6.1	6.6	7.8	8.3	8.8	9.9	10.9	12.0
192	235	354	577	698	2.12	10.60	4.94															7.8	9.0
192	234	353	575	696	2.80	14.00	4.96																
181	221	334	544	658	2.00	10.60	5.24															7.9	9.0
181	221	334	544	658	2.65	14.00	5.24																
181	221	333	543	657	1.50	8.00	5.25								5.5	6.1	6.7	7.8	8.4	8.9	10.0	11.0	12.1
172	211	318	517	626	1.90	10.60	5.51															7.9	9.1
171	209	315	514	622	2.50	14.00	5.55																
169	206	311	506	613	3.35	19.00	5.63																
164	200	301	491	594	1.80	10.60	5.81														6.8	8.0	9.2
162	198	298	486	588	2.36	14.00	5.87																
159	194	293	477	577	3.15	19.00	5.98																
155	189	285	464	562	1.70	10.60	6.14														6.8	8.1	9.2
154	188	283	461	558	2.24	14.00	6.18																
151	185	279	454	549	3.00	19.00	6.28																
146	178	268	437	529	1.60	10.60	6.52														6.9	8.1	9.3
145	178	268	436	528	2.12	14.00	6.53																
141	173	260	424	513	2.80	19.00	6.72																
137	168	253	412	499	2.00	14.00	6.91																
137	167	252	410	496	1.50	10.60	6.95														7.0	8.2	9.3
134	163	246	401	486	2.65	19.00	7.10																
131	160	241	392	475	1.90	14.00	7.27																
126	154	233	379	459	2.50	19.00	7.52																
124	151	228	372	450	1.80	14.00	7.67																
119	146	220	358	433	2.36	19.00	7.96																
117	143	216	351	425	1.70	14.00	8.11																
113	138	209	340	412	2.24	19.00	8.38																
110	135	203	331	401	1.60	14.00	8.61																
107	131	198	322	390	2.12	19.00	8.85																
104	126	191	311	376	1.50	14.00	9.17																
101	124	187	304	368	2.00	19.00	9.37																
96	118	177	289	350	1.90	19.00	9.86																
91	112	168	274	332	1.80	19.00	10.40																
86	105	159	259	314	1.70	19.00	11.00																
81	99	150	244	296	1.60	19.00	11.67																
76	93	141	229	277	1.50	19.00	12.44																

Key to correction factors: 0.7 0.8 0.9 1.0

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Length Designation and Center Distance, Inches																		Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
410	420	430	440	460	480	490	500	520	550	580	610	650	730	870	920	980		Small Sheave	Large Sheave	950 RPM	1160 RPM	1750 RPM	2850 RPM	3450 RPM
12.0	12.5	13.0	13.5	14.5	15.6	16.1	16.6	17.6	19.1	20.6	22.1	24.2	28.2	35.2	37.7	40.7		2.36	8.00	0.22	0.27	0.38	0.58	0.67
14.2	14.7	15.3	15.8	16.8	17.8	18.3	18.8	19.8	21.3	22.8	24.3	26.3	30.3	37.3	39.8	42.9		1.70	6.00	0.15	0.17	0.25	0.37	0.44
9.0	9.5	10.1	10.6	11.7	12.7	13.2	13.7	14.8	16.3	17.9	19.4	21.4	25.5	32.5	35.1	38.1		3.00	10.60	0.30	0.35	0.50	0.76	0.89
12.1	12.6	13.1	13.6	14.6	15.6	16.2	16.7	17.7	19.2	20.7	22.2	24.2	28.3	35.3	37.8	40.8		2.24	8.00	0.21	0.25	0.36	0.54	0.63
14.3	14.8	15.3	15.8	16.8	17.8	18.4	18.9	19.9	21.4	22.9	24.4	26.4	30.4	37.4	39.9	42.9		1.60	6.00	0.14	0.16	0.23	0.34	0.40
12.1	12.7	13.2	13.7	14.7	15.7	16.2	16.7	17.8	19.3	20.8	22.3	24.3	28.4	35.4	37.9	40.9		2.12	8.00	0.20	0.23	0.33	0.50	0.59
9.1	9.6	10.2	10.7	11.8	12.8	13.4	13.9	14.9	16.5	18.0	19.5	21.6	25.6	32.7	35.2	38.2		2.80	10.60	0.27	0.33	0.47	0.70	0.82
14.4	14.9	15.4	15.9	16.9	17.9	18.4	18.9	19.9	21.4	23.0	24.5	26.5	30.5	37.5	40.0	43.0		1.50	6.00	0.12	0.15	0.21	0.31	0.36
12.2	12.7	13.3	13.8	14.8	15.8	16.3	16.8	17.8	19.4	20.9	22.4	24.4	28.4	35.5	38.0	41.0		2.00	8.00	0.18	0.22	0.31	0.47	0.55
9.2	9.7	10.3	10.8	11.9	12.9	13.5	14.0	15.0	16.6	18.1	19.6	21.7	25.7	32.8	35.3	38.3		2.65	10.60	0.26	0.31	0.44	0.66	0.77
						9.3	9.9	11.0	12.7	14.3	15.9	18.0	22.2	29.3	31.9	34.9		3.35	14.00	0.33	0.40	0.57	0.86	1.00
12.3	12.8	13.3	13.8	14.9	15.9	16.4	16.9	17.9	19.4	21.0	22.5	24.5	28.5	35.5	38.1	41.1		1.90	8.00	0.17	0.20	0.29	0.44	0.51
9.3	9.8	10.4	10.9	12.0	13.0	13.6	14.1	15.1	16.7	18.2	19.7	21.8	25.8	32.9	35.4	38.5		2.50	10.60	0.24	0.29	0.41	0.62	0.72
													16.4	23.9	26.5	29.6		4.50	19.00	0.46	0.55	0.78	1.16	1.35
12.4	12.9	13.4	13.9	14.9	16.0	16.5	17.0	18.0	19.5	21.0	22.5	24.6	28.6	35.6	38.1	41.1		1.80	8.00	0.16	0.19	0.27	0.41	0.47
						9.4	10.0	11.2	12.8	14.5	16.1	18.2	22.3	29.5	32.0	35.1		3.15	14.00	0.31	0.37	0.53	0.80	0.94
9.4	9.9	10.5	11.0	12.1	13.1	13.7	14.2	15.2	16.8	18.3	19.8	21.9	25.9	33.0	35.5	38.6		2.36	10.60	0.22	0.27	0.38	0.58	0.67
						9.5	10.1	11.3	12.9	14.6	16.2	18.3	22.4	29.6	32.1	35.2		3.00	14.00	0.30	0.35	0.50	0.76	0.89
12.4	13.0	13.5	14.0	15.0	16.0	16.5	17.0	18.1	19.6	21.1	22.6	24.6	28.7	35.7	38.2	41.2		1.70	8.00	0.15	0.17	0.25	0.37	0.44
9.4	10.0	10.5	11.1	12.1	13.2	13.7	14.3	15.3	16.8	18.4	19.9	22.0	26.0	33.1	35.6	38.6		2.24	10.60	0.21	0.25	0.36	0.54	0.63
12.5	13.0	13.5	14.0	15.1	16.1	16.6	17.1	18.1	19.7	21.2	22.7	24.7	28.7	35.8	38.3	41.3		1.60	8.00	0.14	0.16	0.23	0.34	0.40
9.5	10.1	10.6	11.2	12.2	13.3	13.8	14.3	15.4	16.9	18.5	20.0	22.1	26.1	33.2	35.7	38.7		2.12	10.60	0.20	0.23	0.33	0.50	0.59
					9.0	9.6	10.2	11.4	13.1	14.7	16.3	18.4	22.6	29.7	32.3	35.3		2.80	14.00	0.27	0.33	0.47	0.70	0.82
9.6	10.1	10.7	11.2	12.3	13.4	13.9	14.4	15.5	17.0	18.6	20.1	22.1	26.2	33.3	35.8	38.8		2.00	10.60	0.18	0.22	0.31	0.47	0.55
					9.1	9.7	10.3	11.5	13.2	14.8	16.4	18.5	22.7	29.8	32.4	35.4		2.65	14.00	0.26	0.31	0.44	0.66	0.77
12.6	13.1	13.6	14.1	15.1	16.2	16.7	17.2	18.2	19.7	21.2	22.8	24.8	28.8	35.8	38.4	41.4		1.50	8.00	0.12	0.15	0.21	0.31	0.36
9.7	10.2	10.8	11.3	12.4	13.4	14.0	14.5	15.5	17.1	18.6	20.2	22.2	26.3	33.4	35.9	38.9		1.90	10.60	0.17	0.20	0.29	0.44	0.51
					9.2	9.8	10.4	11.6	13.2	14.9	16.5	18.6	22.8	29.9	32.5	35.5		2.50	14.00	0.24	0.29	0.41	0.62	0.72
												12.4	17.1	24.7	27.3	30.4		3.35	19.00	0.33	0.40	0.57	0.86	1.00
9.7	10.3	10.8	11.4	12.4	13.5	14.0	14.5	15.6	17.1	18.7	20.2	22.3	26.3	33.4	35.9	39.0		1.80	10.60	0.16	0.19	0.27	0.41	0.47
					9.3	9.9	10.5	11.6	13.3	15.0	16.6	18.7	22.9	30.0	32.6	35.6		2.36	14.00	0.22	0.27	0.38	0.58	0.67
												12.6	17.2	24.8	27.4	30.5		3.15	19.00	0.31	0.37	0.53	0.80	0.94
9.8	10.3	10.9	11.4	12.5	13.6	14.1	14.6	15.7	17.2	18.8	20.3	22.3	26.4	33.5	36.0	39.0		1.70	10.60	0.15	0.17	0.25	0.37	0.44
					9.3	10.0	10.6	11.7	13.4	15.0	16.7	18.8	22.9	30.1	32.7	35.7		2.24	14.00	0.21	0.25	0.36	0.54	0.63
												12.6	17.3	24.9	27.5	30.6		3.00	19.00	0.30	0.35	0.50	0.76	0.89
9.8	10.4	10.9	11.5	12.6	13.6	14.2	14.7	15.7	17.3	18.8	20.4	22.4	26.5	33.6	36.1	39.1		1.60	10.60	0.14	0.16	0.23	0.34	0.40
					9.4	10.0	10.6	11.8	13.5	15.1	16.7	18.9	23.0	30.2	32.8	35.8		2.12	14.00	0.20	0.23	0.33	0.50	0.59
												12.8	17.5	25.0	27.6	30.8		2.80	19.00	0.27	0.33	0.47	0.70	0.82
					9.5	10.1	10.7	11.9	13.6	15.2	16.8	18.9	23.1	30.3	32.8	35.9		2.00	14.00	0.18	0.22	0.31	0.47	0.55
9.9	10.5	11.0	11.6	12.6	13.7	14.2	14.7	15.8	17.4	18.9	20.4	22.5	26.6	33.6	36.2	39.2		1.50	10.60	0.12	0.15	0.21	0.31	0.36
												12.8	17.5	25.1	27.7	30.9		2.65	19.00	0.26	0.31	0.44	0.66	0.77
					9.5	10.2	10.8	11.9	13.6	15.3	16.9	19.0	23.2	30.4	32.9	36.0		1.90	14.00	0.17	0.20	0.29	0.44	0.51
												12.9	17.6	25.2	27.8	31.0		2.50	19.00	0.24	0.29	0.41	0.62	0.72
					9.6	10.2	10.8	12.0	13.7	15.3	16.9	19.1	23.2	30.4	33.0	36.0		1.80	14.00	0.16	0.19	0.27	0.41	0.47
												13.0	17.7	25.3	27.9	31.1		2.36	19.00	0.22	0.27	0.38	0.58	0.67
				8.4	9.7	10.3	10.9	12.1	13.7	15.4	17.0	19.1	23.3	30.5	33.0	36.1		1.70	14.00	0.15	0.17	0.25	0.37	0.44
												13.1	17.8	25.4	28.0	31.1		2.24	19.00	0.21	0.25	0.36	0.54	0.63
				8.4	9.7	10.3	10.9	12.1	13.8	15.5	17.1	19.2	23.4	30.6	33.1	36.2		1.60	14.00	0.14	0.16	0.23	0.34	0.40
												13.2	17.9	25.5	28.1	31.2		2.12	19.00	0.20	0.23	0.33	0.50	0.59
				8.5	9.8	10.4	11.0	12.2	13.9	15.5	17.1	19.3	23.4	30.6	33.2	36.2		1.50	14.00	0.12	0.15	0.21	0.31	0.36
												13.2	17.9	25.5	28.2	31.3		2.00	19.00	0.18	0.22	0.31	0.47	0.55
												13.3	18.0	25.6	28.2	31.4		1.90	19.00	0.17	0.20	0.29	0.44	0.51
												13.3	18.1	25.7	28.3	31.4		1.80	19.00	0.16	0.19	0.27	0.41	0.47
												13.4	18.1	25.7	28.4	31.5		1.70	19.00	0.15	0.17	0.25	0.37	0.44
												13.5	18.2	25.8	28.4	31.6		1.60	19.00	0.14	0.16	0.23	0.34	0.40
												13.5	18.3	25.9	28.5	31.6		1.50	19.00	0.12	0.15	0.21	0.31	0.36

Key to correction factors: 0.8 0.9 1.0 1.1 1.2

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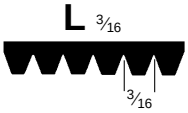

L Section Micro-V® Belt Drive Selection Table

Table No. 33

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches											
690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	500	540	560	615	635	655	675	695	725	765	780	795	815
690	870	1160	1750	3450	3.00	3.00	1.00	20.3	22.3	23.3	26.0	27.0	28.1	29.0	30.0	31.5	33.5	34.3	35.0	36.0
690	870	1160	1750	3450	3.20	3.20	1.00	20.0	22.0	23.0	25.7	26.7	27.8	28.7	29.7	31.2	33.2	34.0	34.7	35.7
690	870	1160	1750	3450	3.40	3.40	1.00	19.7	21.7	22.7	25.4	26.4	27.5	28.4	29.4	30.9	32.9	33.7	34.4	35.4
690	870	1160	1750	3450	3.60	3.60	1.00	19.3	21.3	22.3	25.1	26.1	27.2	28.1	29.1	30.6	32.6	33.3	34.1	35.1
690	870	1160	1750	3450	3.80	3.80	1.00	19.0	21.0	22.0	24.8	25.8	26.9	27.8	28.8	30.3	32.3	33.0	33.8	34.8
690	870	1160	1750	3450	4.00	4.00	1.00	18.7	20.7	21.7	24.5	25.5	26.6	27.5	28.5	30.0	32.0	32.7	33.5	34.5
690	870	1160	1750	3450	4.20	4.20	1.00	18.4	20.4	21.4	24.2	25.2	26.3	27.2	28.2	29.7	31.7	32.4	33.2	34.2
690	870	1160	1750	3450	4.40	4.40	1.00	18.1	20.1	21.1	23.8	24.8	25.9	26.8	27.8	29.3	31.3	32.1	32.8	33.8
690	870	1160	1750	3450	4.60	4.60	1.00	17.8	19.8	20.8	23.5	24.5	25.6	26.5	27.5	29.0	31.0	31.8	32.5	33.5
690	870	1160	1750	3450	4.80	4.80	1.00	17.5	19.5	20.5	23.2	24.2	25.3	26.2	27.2	28.7	30.7	31.5	32.2	33.2
690	870	1160	1750	3450	5.00	5.00	1.00	17.1	19.1	20.1	22.9	23.9	25.0	25.9	26.9	28.4	30.4	31.1	31.9	32.9
690	870	1160	1750	3450	5.20	5.20	1.00	16.8	18.8	19.8	22.6	23.6	24.7	25.6	26.6	28.1	30.1	30.8	31.6	32.6
690	870	1160	1750	3450	5.40	5.40	1.00	16.5	18.5	19.5	22.3	23.3	24.4	25.3	26.3	27.8	29.8	30.5	31.3	32.3
690	870	1160	1750	3450	5.60	5.60	1.00	16.2	18.2	19.2	22.0	23.0	24.1	25.0	26.0	27.5	29.5	30.2	31.0	32.0
690	870	1160	1750	3450	5.80	5.80	1.00	15.9	17.9	18.9	21.6	22.6	23.7	24.6	25.6	27.1	29.1	29.9	30.6	31.6
690	870	1160	1750	3450	6.00	6.00	1.00	15.6	17.6	18.6	21.3	22.3	23.4	24.3	25.3	26.8	28.8	29.6	30.3	31.3
690	870	1160	1750	3450	6.20	6.20	1.00	15.3	17.3	18.3	21.0	22.0	23.1	24.0	25.0	26.5	28.5	29.3	30.0	31.0
690	870	1160	1750	3450	6.40	6.40	1.00	15.0	17.0	18.0	20.7	21.7	22.8	23.7	24.7	26.2	28.2	29.0	29.7	30.7
690	870	1160	1750	3450	7.00	7.00	1.00	14.0	16.0	17.0	19.8	20.8	21.9	22.8	23.8	25.3	27.3	28.0	28.8	29.8
690	870	1160	1750	3450	7.40	7.40	1.00	13.4	15.4	16.4	19.1	20.1	21.2	22.1	23.1	24.6	26.6	27.4	28.1	29.1
690	870	1160	1750	3450	8.00	8.00	1.00	12.4	14.4	15.4	18.2	19.2	20.3	21.2	22.2	23.7	25.7	26.4	27.2	28.2
690	870	1160	1750	3450	9.00	9.00	1.00	10.9	12.9	13.9	16.6	17.6	18.7	19.6	20.6	22.1	24.1	24.9	25.6	26.6
690	870	1160	1750	3450	10.00	10.00	1.00		11.3	12.3	15.1	16.0	17.1	18.0	19.0	20.5	22.5	23.3	24.0	25.0
690	870	1160	1750	3450	12.00	12.00	1.00						14.0	14.9	15.9	17.4	19.4	20.2	20.9	21.9
690	870	1160	1750	3450	14.00	14.00	1.00										16.3	17.0	17.8	18.8
670	845	1126	1699	3350	5.80	6.00	1.03	15.7	17.7	18.7	21.5	22.5	23.6	24.5	25.5	27.0	29.0	29.7	30.5	31.5
670	845	1126	1699	3350	6.00	6.20	1.03	15.4	17.4	18.4	21.2	22.2	23.3	24.2	25.2	26.7	28.7	29.4	30.2	31.2
670	845	1126	1699	3350	6.20	6.40	1.03	15.1	17.1	18.1	20.9	21.9	23.0	23.9	24.9	26.4	28.4	29.1	29.9	30.9
663	837	1115	1683	3317	4.40	4.60	1.04	17.9	19.9	20.9	23.7	24.7	25.8	26.7	27.7	29.2	31.2	31.9	32.7	33.7
663	837	1115	1683	3317	4.60	4.80	1.04	17.6	19.6	20.6	23.4	24.4	25.5	26.4	27.4	28.9	30.9	31.6	32.4	33.4
663	837	1115	1683	3317	4.80	5.00	1.04	17.3	19.3	20.3	23.1	24.1	25.2	26.1	27.1	28.6	30.6	31.3	32.1	33.1
663	837	1115	1683	3317	5.00	5.20	1.04	17.0	19.0	20.0	22.7	23.7	24.8	25.7	26.7	28.2	30.2	31.0	31.7	32.7
663	837	1115	1683	3317	5.20	5.40	1.04	16.7	18.7	19.7	22.4	23.4	24.5	25.4	26.4	27.9	29.9	30.7	31.4	32.4
663	837	1115	1683	3317	5.40	5.60	1.04	16.4	18.4	19.4	22.1	23.1	24.2	25.1	26.1	27.6	29.6	30.4	31.1	32.1
663	837	1115	1683	3317	5.60	5.80	1.04	16.1	18.1	19.1	21.8	22.8	23.9	24.8	25.8	27.3	29.3	30.1	30.8	31.8
657	829	1105	1667	3286	3.60	3.80	1.05	19.2	21.2	22.2	24.9	25.9	27.0	27.9	28.9	30.4	32.4	33.2	33.9	34.9
657	829	1105	1667	3286	3.80	4.00	1.05	18.9	20.9	21.9	24.6	25.6	26.7	27.6	28.6	30.1	32.1	32.9	33.6	34.6
657	829	1105	1667	3286	4.00	4.20	1.05	18.6	20.6	21.6	24.3	25.3	26.4	27.3	28.3	29.8	31.8	32.6	33.3	34.3
657	829	1105	1667	3286	4.20	4.40	1.05	18.2	20.2	21.2	24.0	25.0	26.1	27.0	28.0	29.5	31.5	32.2	33.0	34.0
651	821	1094	1651	3255	3.20	3.40	1.06	19.8	21.8	22.8	25.6	26.6	27.7	28.6	29.6	31.1	33.1	33.8	34.6	35.6
651	821	1094	1651	3255	3.40	3.60	1.06	19.5	21.5	22.5	25.3	26.3	27.4	28.3	29.3	30.8	32.8	33.5	34.3	35.3
651	821	1094	1651	3255	7.00	7.40	1.06	13.7	15.7	16.7	19.4	20.4	21.5	22.4	23.4	24.9	26.9	27.7	28.4	29.4
645	813	1084	1636	3224	3.00	3.20	1.07	20.1	22.1	23.1	25.9	26.9	28.0	28.9	29.9	31.4	33.4	34.1	34.9	35.9
645	813	1084	1636	3224	5.40	5.80	1.07	16.2	18.2	19.2	22.0	23.0	24.1	25.0	26.0	27.5	29.5	30.2	31.0	32.0
645	813	1084	1636	3224	5.60	6.00	1.07	15.9	17.9	18.9	21.6	22.6	23.7	24.6	25.6	27.1	29.1	29.9	30.6	31.6
645	813	1084	1636	3224	5.80	6.20	1.07	15.6	17.6	18.6	21.3	22.3	23.4	24.3	25.3	26.8	28.8	29.6	30.3	31.3
645	813	1084	1636	3224	6.00	6.40	1.07	15.3	17.3	18.3	21.0	22.0	23.1	24.0	25.0	26.5	28.5	29.3	30.0	31.0
639	806	1074	1620	3194	4.80	5.20	1.08	17.1	19.1	20.1	22.9	23.9	25.0	25.9	26.9	28.4	30.4	31.1	31.9	32.9
639	806	1074	1620	3194	5.00	5.40	1.08	16.8	18.8	19.8	22.6	23.6	24.7	25.6	26.6	28.1	30.1	30.8	31.6	32.6
639	806	1074	1620	3194	5.20	5.60	1.08	16.5	18.5	19.5	22.3	23.3	24.4	25.3	26.3	27.8	29.8	30.5	31.3	32.3
639	806	1074	1620	3194	7.40	8.00	1.08	12.9	14.9	15.9	18.7	19.7	20.8	21.7	22.7	24.2	26.2	26.9	27.7	28.7
633	798	1064	1606	3165	4.20	4.60	1.09	18.1	20.1	21.1	23.8	24.8	25.9	26.8	27.8	29.3	31.3	32.1	32.8	33.8
633	798	1064	1606	3165	4.40	4.80	1.09	17.8	19.8	20.8	23.5	24.5	25.6	26.5	27.5	29.0	31.0	31.8	32.5	33.5
633	798	1064	1606	3165	4.60	5.00	1.09	17.5	19.5	20.5	23.2	24.2	25.3	26.2	27.2	28.7	30.7	31.5	32.2	33.2
633	798	1064	1606	3165	6.40	7.00	1.09	14.5	16.5	17.5	20.2	21.2	22.3	23.2	24.2	25.7	27.7	28.5	29.2	30.2

Key to correction factors: 0.9 1.0

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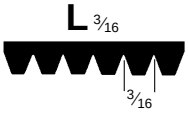
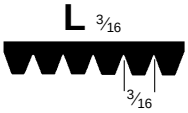


Length Designation and Center Distance, Inches														Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
840	865	915	975	990	1065	1120	1150	1215	1230	1295	1310	1455		Small Sheave	Large Sheave	690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
37.3	38.5	41.0	44.0	44.8	48.5	51.3	52.8	56.0	56.8	60.0	60.8	68.0		3.00	3.00	.57	.68	.85	1.14	1.77
37.0	38.2	40.7	43.7	44.5	48.2	51.0	52.5	55.7	56.5	59.7	60.5	67.7		3.20	3.20	.65	.78	.97	1.33	2.09
36.7	37.9	40.4	43.4	44.2	47.9	50.7	52.2	55.4	56.2	59.4	60.2	67.4		3.40	3.40	.73	.88	1.10	1.50	2.40
36.3	37.6	40.1	43.1	43.8	47.6	50.3	51.8	55.1	55.8	59.1	59.8	67.1		3.60	3.60	.81	.97	1.22	1.68	2.70
36.0	37.3	39.8	42.8	43.5	47.3	50.0	51.5	54.8	55.5	58.8	59.5	66.8		3.80	3.80	.88	1.07	1.35	1.86	3.00
35.7	37.0	39.5	42.5	43.2	47.0	49.7	51.2	54.5	55.2	58.5	59.2	66.5		4.00	4.00	.96	1.16	1.47	2.03	3.30
35.4	36.7	39.2	42.2	42.9	46.7	49.4	50.9	54.2	54.9	58.2	58.9	66.2		4.20	4.20	1.04	1.26	1.59	2.21	3.59
35.1	36.3	38.8	41.8	42.6	46.3	49.1	50.6	53.8	54.6	57.8	58.6	65.8		4.40	4.40	1.12	1.35	1.71	2.38	3.87
34.8	36.0	38.5	41.5	42.3	46.0	48.8	50.3	53.5	54.3	57.5	58.3	65.5		4.60	4.60	1.19	1.45	1.83	2.55	4.15
34.5	35.7	38.2	41.2	42.0	45.7	48.5	50.0	53.2	54.0	57.2	58.0	65.2		4.80	4.80	1.27	1.54	1.95	2.72	4.43
34.1	35.4	37.9	40.9	41.7	45.4	48.2	49.7	52.9	53.7	56.9	57.7	64.9		5.00	5.00	1.35	1.63	2.07	2.89	4.69
33.8	35.1	37.6	40.6	41.3	45.1	47.8	49.3	52.6	53.3	56.6	57.3	64.6		5.20	5.20	1.42	1.73	2.19	3.05	4.96
33.5	34.8	37.3	40.3	41.0	44.8	47.5	49.0	52.3	53.0	56.3	57.0	64.3		5.40	5.40	1.50	1.82	2.31	3.22	5.22
33.2	34.5	37.0	40.0	40.7	44.5	47.2	48.7	52.0	52.7	56.0	56.7	64.0		5.60	5.60	1.57	1.91	2.43	3.38	5.47
32.9	34.1	36.6	39.6	40.4	44.1	46.9	48.4	51.6	52.4	55.6	56.4	63.6		5.80	5.80	1.64	2.00	2.54	3.55	5.71
32.6	33.8	36.3	39.3	40.1	43.8	46.6	48.1	51.3	52.1	55.3	56.1	63.3		6.00	6.00	1.72	2.09	2.66	3.71	5.95
32.3	33.5	36.0	39.0	39.8	43.5	46.3	47.8	51.0	51.8	55.0	55.8	63.0		6.20	6.20	1.79	2.18	2.78	3.87	6.19
32.0	33.2	35.7	38.7	39.5	43.2	46.0	47.5	50.7	51.5	54.7	55.5	62.7		6.40	6.40	1.87	2.27	2.89	4.03	6.42
31.0	32.3	34.8	37.8	38.5	42.3	45.0	46.5	49.8	50.5	53.8	54.5	61.8		7.00	7.00	2.09	2.54	3.23	4.50	7.06
30.4	31.6	34.1	37.1	37.9	41.6	44.4	45.9	49.1	49.9	53.1	53.9	61.1		7.40	7.40	2.23	2.72	3.45	4.80	†
29.4	30.7	33.2	36.2	36.9	40.7	43.4	44.9	48.2	48.9	52.2	52.9	60.2		8.00	8.00	2.44	2.98	3.79	5.25	†
27.9	29.1	31.6	34.6	35.4	39.1	41.9	43.4	46.6	47.4	50.6	51.4	58.6		9.00	9.00	2.80	3.41	4.33	5.98	†
26.3	27.5	30.0	33.0	33.8	37.5	40.3	41.8	45.0	45.8	49.0	49.8	57.0		10.00	10.00	3.15	3.83	4.86	6.67	†
23.2	24.4	26.9	29.9	30.7	34.4	37.2	38.7	41.9	42.7	45.9	46.7	53.9		12.00	12.00	3.82	4.65	5.87	7.94	†
20.0	21.3	23.8	26.8	27.5	31.3	34.0	35.5	38.8	39.5	42.8	43.5	50.8		14.00	14.00	4.48	5.43	6.82	9.05	†
32.7	34.0	36.5	39.5	40.2	44.0	46.7	48.2	51.5	52.2	55.5	56.2	63.5		5.80	6.00	1.65	2.02	2.56	3.58	5.78
32.4	33.7	36.2	39.2	39.9	43.7	46.4	47.9	51.2	51.9	55.2	55.9	63.2		6.00	6.20	1.73	2.11	2.68	3.74	6.02
32.1	33.4	35.9	38.9	39.6	43.4	46.1	47.6	50.9	51.6	54.9	55.6	62.9		6.20	6.40	1.80	2.20	2.80	3.90	6.26
34.9	36.2	38.7	41.7	42.4	46.2	48.9	50.4	53.7	54.4	57.7	58.4	65.7		4.40	4.60	1.13	1.37	1.73	2.41	3.94
34.6	35.9	38.4	41.4	42.1	45.9	48.6	50.1	53.4	54.1	57.4	58.1	65.4		4.60	4.80	1.20	1.47	1.85	2.58	4.22
34.3	35.6	38.1	41.1	41.8	45.6	48.3	49.8	53.1	53.8	57.1	57.8	65.1		4.80	5.00	1.28	1.56	1.97	2.75	4.50
34.0	35.2	37.7	40.7	41.5	45.2	48.0	49.5	52.7	53.5	56.7	57.5	64.7		5.00	5.20	1.36	1.65	2.09	2.92	4.76
33.7	34.9	37.4	40.4	41.2	44.9	47.7	49.2	52.4	53.2	56.4	57.2	64.4		5.20	5.40	1.43	1.75	2.21	3.08	5.03
33.4	34.6	37.1	40.1	40.9	44.6	47.4	48.9	52.1	52.9	56.1	56.9	64.1		5.40	5.60	1.51	1.84	2.33	3.25	5.29
33.1	34.3	36.8	39.8	40.6	44.3	47.1	48.6	51.8	52.6	55.8	56.6	63.8		5.60	5.80	1.58	1.93	2.45	3.41	5.54
36.2	37.4	39.9	42.9	43.7	47.4	50.2	51.7	54.9	55.7	58.9	59.7	66.9		3.60	3.80	.82	.99	1.24	1.71	2.77
35.9	37.1	39.6	42.6	43.4	47.1	49.9	51.4	54.6	55.4	58.6	59.4	66.6		3.80	4.00	.89	1.09	1.37	1.89	3.07
35.6	36.8	39.3	42.3	43.1	46.8	49.6	51.1	54.3	55.1	58.3	59.1	66.3		4.00	4.20	.97	1.18	1.49	2.06	3.37
35.2	36.5	39.0	42.0	42.7	46.5	49.2	50.7	54.0	54.7	58.0	58.7	66.0		4.20	4.40	1.05	1.28	1.61	2.24	3.66
36.8	38.1	40.6	43.6	44.3	48.1	50.8	52.3	55.6	56.3	59.6	60.3	67.6		3.20	3.40	.66	.80	.99	1.36	2.16
36.5	37.8	40.3	43.3	44.0	47.8	50.5	52.0	55.3	56.0	59.3	60.0	67.3		3.40	3.60	.74	.90	1.12	1.53	2.47
30.7	31.9	34.4	37.4	38.2	41.9	44.7	46.2	49.4	50.2	53.4	54.2	61.4		7.00	7.40	2.10	2.56	3.25	4.53	7.13
37.1	38.4	40.9	43.9	44.6	48.4	51.1	52.6	55.9	56.6	59.9	60.6	67.9		3.00	3.20	.60	.71	.89	1.21	1.90
33.2	34.5	37.0	40.0	40.7	44.5	47.2	48.7	52.0	52.7	56.0	56.7	64.0		5.40	5.80	1.53	1.85	2.35	3.29	5.35
32.9	34.1	36.6	39.6	40.4	44.1	46.9	48.4	51.6	52.4	55.6	56.4	63.6		5.60	6.00	1.60	1.94	2.47	3.45	5.60
32.6	33.8	36.3	39.3	40.1	43.8	46.6	48.1	51.3	52.1	55.3	56.1	63.3		5.80	6.20	1.67	2.03	2.58	3.62	5.84
32.3	33.5	36.0	39.0	39.8	43.5	46.3	47.8	51.0	51.8	55.0	55.8	63.0		6.00	6.40	1.75	2.12	2.70	3.78	6.08
34.1	35.4	37.9	40.9	41.6	45.4	48.1	49.6	52.9	53.6	56.9	57.6	64.9		4.80	5.20	1.30	1.57	1.99	2.79	4.56
33.8	35.1	37.6	40.6	41.3	45.1	47.8	49.3	52.6	53.3	56.6	57.3	64.6		5.00	5.40	1.38	1.66	2.11	2.96	4.82
33.5	34.8	37.3	40.3	41.0	44.8	47.5	49.0	52.3	53.0	56.3	57.0	64.3		5.20	5.60	1.45	1.76	2.23	3.12	5.09
29.9	31.2	33.7	36.7	37.4	41.2	43.9	45.4	48.7	49.4	52.7	53.4	60.7		7.40	8.00	2.26	2.75	3.49	4.87	†
35.1	36.3	38.8	41.8	42.6	46.3	49.1	50.6	53.8	54.6	57.8	58.6	65.8		4.20	4.60	1.07	1.29	1.63	2.28	3.72
34.8	36.0	38.5	41.5	42.3	46.0	48.8	50.3	53.5	54.3	57.5	58.3	65.5		4.40	4.80	1.15	1.38	1.75	2.45	4.00
34.5	35.7	38.2	41.2	42.0	45.7	48.5	50.0	53.2	54.0	57.2	58.0	65.2		4.60	5.00	1.22	1.48	1.87	2.62	4.28
31.5	32.7	35.2	38.2	39.0	42.7	45.5	47.0	50.2	51.0	54.2	55.0	62.2		6.40	7.00	1.90	2.30	2.93	4.10	6.55

Key to correction factors: 1.0 1.1

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.



Micro-V®

L Section Micro-V® Belt Drive Selection Table

Table No. 33

DriveN Speed For Motor Speed of					Sheave Outside Diameters		Speed Ratio	Length Designation and Center Distance, Inches													
690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave		500	540	560	615	635	655	675	695	725	765	780	795	815
627	791	1055	1591	3136	3.80	4.20	1.10	18.7	20.7	21.7	24.5	25.5	26.6	27.5	28.5	30.0	32.0	32.7	33.5	34.5
627	791	1055	1591	3136	4.00	4.40	1.10	18.4	20.4	21.4	24.2	25.2	26.3	27.2	28.2	29.7	31.7	32.4	33.2	34.2
627	791	1055	1591	3136	5.80	6.40	1.10	15.4	17.4	18.4	21.2	22.2	23.3	24.2	25.2	26.7	28.7	29.4	30.2	31.2
622	784	1045	1577	3108	3.60	4.00	1.11	19.0	21.0	22.0	24.8	25.8	26.9	27.8	28.8	30.3	32.3	33.0	33.8	34.8
622	784	1045	1577	3108	5.20	5.80	1.11	16.4	18.4	19.4	22.1	23.1	24.2	25.1	26.1	27.6	29.6	30.4	31.1	32.1
622	784	1045	1577	3108	5.40	6.00	1.11	16.0	18.0	19.0	21.8	22.8	23.9	24.8	25.8	27.3	29.3	30.0	30.8	31.8
622	784	1045	1577	3108	5.60	6.20	1.11	15.7	17.7	18.7	21.5	22.5	23.6	24.5	25.5	27.0	29.0	29.7	30.5	31.5
622	784	1045	1577	3108	9.00	10.00	1.11		12.1	13.1	15.8	16.8	17.9	18.8	19.8	21.3	23.3	24.1	24.8	25.8
616	777	1036	1563	3080	3.20	3.60	1.12	19.7	21.7	22.7	25.4	26.4	27.5	28.4	29.4	30.9	32.9	33.7	34.4	35.4
616	777	1036	1563	3080	3.40	3.80	1.12	19.3	21.3	22.3	25.1	26.1	27.2	28.1	29.1	30.6	32.6	33.3	34.1	35.1
616	777	1036	1563	3080	4.80	5.40	1.12	17.0	19.0	20.0	22.7	23.7	24.8	25.7	26.7	28.2	30.2	31.0	31.7	32.7
616	777	1036	1563	3080	5.00	5.60	1.12	16.7	18.7	19.7	22.4	23.4	24.5	25.4	26.4	27.9	29.9	30.7	31.4	32.4
616	777	1036	1563	3080	8.00	9.00	1.12	11.6	13.6	14.6	17.4	18.4	19.5	20.4	21.4	22.9	24.9	25.7	26.4	27.4
611	770	1027	1549	3053	3.00	3.40	1.13	20.0	22.0	23.0	25.7	26.7	27.8	28.7	29.7	31.2	33.2	34.0	34.7	35.7
611	770	1027	1549	3053	4.40	5.00	1.13	17.6	19.6	20.6	23.4	24.4	25.5	26.4	27.4	28.9	30.9	31.6	32.4	33.4
611	770	1027	1549	3053	4.60	5.20	1.13	17.3	19.3	20.3	23.1	24.1	25.2	26.1	27.1	28.6	30.6	31.3	32.1	33.1
611	770	1027	1549	3053	6.20	7.00	1.13	14.6	16.6	17.6	20.4	21.4	22.5	23.4	24.4	25.9	27.9	28.6	29.4	30.4
605	763	1018	1535	3026	4.20	4.80	1.14	17.9	19.9	20.9	23.7	24.7	25.8	26.7	27.7	29.2	31.2	31.9	32.7	33.7
605	763	1018	1535	3026	5.60	6.40	1.14	15.6	17.6	18.6	21.3	22.3	23.4	24.3	25.3	26.8	28.8	29.6	30.3	31.3
605	763	1018	1535	3026	7.00	8.00	1.14	13.2	15.2	16.2	19.0	20.0	21.1	22.0	23.0	24.5	26.5	27.2	28.0	29.0
605	763	1018	1535	3026	14.00	16.00	1.14												16.2	17.2
600	757	1009	1522	3000	4.00	4.60	1.15	18.2	20.2	21.2	24.0	25.0	26.1	27.0	28.0	29.5	31.5	32.2	33.0	34.0
600	757	1009	1522	3000	5.20	6.00	1.15	16.2	18.2	19.2	22.0	23.0	24.1	25.0	26.0	27.5	29.5	30.2	31.0	32.0
600	757	1009	1522	3000	5.40	6.20	1.15	15.9	17.9	18.9	21.6	22.6	23.7	24.6	25.6	27.1	29.1	29.9	30.6	31.6
600	757	1009	1522	3000	6.40	7.40	1.15	14.2	16.2	17.2	19.9	20.9	22.0	22.9	23.9	25.4	27.4	28.2	28.9	29.9
595	750	1000	1509	2974	3.60	4.20	1.16	18.9	20.9	21.9	24.6	25.6	26.7	27.6	28.6	30.1	32.1	32.9	33.6	34.6
595	750	1000	1509	2974	3.80	4.40	1.16	18.6	20.6	21.6	24.3	25.3	26.4	27.3	28.3	29.8	31.8	32.6	33.3	34.3
595	750	1000	1509	2974	4.80	5.60	1.16	16.8	18.8	19.8	22.6	23.6	24.7	25.6	26.6	28.1	30.1	30.8	31.6	32.6
595	750	1000	1509	2974	5.00	5.80	1.16	16.5	18.5	19.5	22.3	23.3	24.4	25.3	26.3	27.8	29.8	30.5	31.3	32.3
590	744	991	1496	2949	3.40	4.00	1.17	19.2	21.2	22.2	24.9	25.9	27.0	27.9	28.9	30.4	32.4	33.2	33.9	34.9
590	744	991	1496	2949	4.60	5.40	1.17	17.1	19.1	20.1	22.9	23.9	25.0	25.9	26.9	28.4	30.4	31.1	31.9	32.9
590	744	991	1496	2949	6.00	7.00	1.17	14.8	16.8	17.8	20.5	21.5	22.6	23.5	24.5	26.0	28.0	28.8	29.5	30.5
590	744	991	1496	2949	12.00	14.00	1.17								14.3	15.8	17.8	18.6	19.3	20.3
585	737	983	1483	2924	3.20	3.80	1.18	19.5	21.5	22.5	25.3	26.3	27.4	28.3	29.3	30.8	32.8	33.5	34.3	35.3
585	737	983	1483	2924	4.40	5.20	1.18	17.5	19.5	20.5	23.2	24.2	25.3	26.2	27.2	28.7	30.7	31.5	32.2	33.2
585	737	983	1483	2924	5.40	6.40	1.18	15.7	17.7	18.7	21.5	22.5	23.6	24.5	25.5	27.0	29.0	29.7	30.5	31.5
580	731	975	1471	2899	4.20	5.00	1.19	17.8	19.8	20.8	23.5	24.5	25.6	26.5	27.5	29.0	31.0	31.8	32.5	33.5
580	731	975	1471	2899	5.20	6.20	1.19	16.0	18.0	19.0	21.8	22.8	23.9	24.8	25.8	27.3	29.3	30.0	30.8	31.8
580	731	975	1471	2899	6.20	7.40	1.19	14.3	16.3	17.3	20.1	21.1	22.2	23.1	24.1	25.6	27.6	28.3	29.1	30.1
575	725	967	1458	2875	3.00	3.60	1.20	19.8	21.8	22.8	25.6	26.6	27.7	28.6	29.6	31.1	33.1	33.8	34.6	35.6
575	725	967	1458	2875	4.00	4.80	1.20	18.1	20.1	21.1	23.8	24.8	25.9	26.8	27.8	29.3	31.3	32.1	32.8	33.8
575	725	967	1458	2875	5.00	6.00	1.20	16.4	18.4	19.4	22.1	23.1	24.2	25.1	26.1	27.6	29.6	30.4	31.1	32.1
575	725	967	1458	2875	5.80	7.00	1.20	14.9	16.9	17.9	20.7	21.7	22.8	23.7	24.7	26.2	28.2	28.9	29.7	30.7
575	725	967	1458	2875	10.00	12.00	1.20				13.4	14.4	15.5	16.4	17.5	19.0	21.0	21.7	22.5	23.5
570	719	959	1446	2851	3.80	4.60	1.21	18.4	20.4	21.4	24.2	25.2	26.3	27.2	28.2	29.7	31.7	32.4	33.2	34.2
570	719	959	1446	2851	4.60	5.60	1.21	17.0	19.0	20.0	22.7	23.7	24.8	25.7	26.7	28.2	30.2	31.0	31.7	32.7
570	719	959	1446	2851	4.80	5.80	1.21	16.7	18.7	19.7	22.4	23.4	24.5	25.4	26.4	27.9	29.9	30.7	31.4	32.4
570	719	959	1446	2851	7.40	9.00	1.21	12.1	14.1	15.1	17.9	18.9	20.0	20.9	21.9	23.4	25.4	26.1	26.9	27.9
566	713	951	1434	2828	3.60	4.40	1.22	18.7	20.7	21.7	24.5	25.5	26.6	27.5	28.5	30.0	32.0	32.7	33.5	34.5
566	713	951	1434	2828	4.40	5.40	1.22	17.3	19.3	20.3	23.1	24.1	25.2	26.1	27.1	28.6	30.6	31.3	32.1	33.1
561	707	943	1423	2805	3.40	4.20	1.23	19.0	21.0	22.0	24.8	25.8	26.9	27.8	28.8	30.3	32.3	33.0	33.8	34.8
561	707	943	1423	2805	4.20	5.20	1.23	17.6	19.6	20.6	23.4	24.4	25.5	26.4	27.4	28.9	30.9	31.6	32.4	33.4
561	707	943	1423	2805	5.20	6.40	1.23	15.9	17.9	18.9	21.6	22.6	23.7	24.6	25.6	27.1	29.1	29.9	30.6	31.6
561	707	943	1423	2805	6.00	7.40	1.23	14.5	16.5	17.5	20.2	21.2	22.3	23.2	24.2	25.7	27.7	28.5	29.2	30.2
556	702	935	1411	2782	5.00	6.20	1.24	16.2	18.2	19.2	21.9	23.0	24.1	25.0	26.0	27.5	29.5	30.2	31.0	32.0

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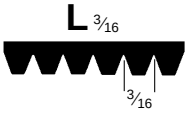

Length Designation and Center Distance, Inches														Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
840	865	915	975	990	1065	1120	1150	1215	1230	1295	1310	1455		Small Sheave	Large Sheave	690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
35.7	37.0	39.5	42.5	43.2	47.0	49.7	51.2	54.5	55.2	58.5	59.2	66.5		3.80	4.20	.91	1.10	1.39	1.93	3.13
35.4	36.7	39.2	42.2	42.9	46.7	49.4	50.9	54.2	54.9	58.2	58.9	66.2		4.00	4.40	.99	1.19	1.51	2.10	3.43
32.4	33.7	36.2	39.2	39.9	43.7	46.4	47.9	51.2	51.9	55.2	55.9	63.2		5.80	6.40	1.67	2.03	2.58	3.62	5.84
36.0	37.3	39.8	42.8	43.5	47.3	50.0	51.5	54.8	55.5	58.8	59.5	66.8		3.60	4.00	.85	1.02	1.29	1.78	2.90
33.4	34.6	37.1	40.1	40.9	44.6	47.4	48.9	52.1	52.9	56.1	56.9	64.1		5.20	5.80	1.46	1.78	2.26	3.15	5.16
33.0	34.3	36.8	39.8	40.5	44.3	47.1	48.6	51.8	52.6	55.8	56.6	63.8		5.40	6.00	1.54	1.87	2.38	3.32	5.42
32.7	34.0	36.5	39.5	40.2	44.0	46.7	48.2	51.5	52.2	55.5	56.2	63.5		5.60	6.20	1.61	1.96	2.50	3.48	5.67
27.1	28.3	30.8	33.8	34.6	38.3	41.1	42.6	45.8	46.6	49.8	50.6	57.8		9.00	10.00	2.84	3.46	4.40	6.08	†
36.7	37.9	40.4	43.4	44.2	47.9	50.7	52.2	55.4	56.2	59.4	60.2	67.4		3.20	3.60	.69	.83	1.04	1.43	2.29
36.3	37.6	40.1	43.1	43.8	47.6	50.3	51.8	55.1	55.8	59.1	59.8	67.1		3.40	3.80	.77	.93	1.17	1.60	2.60
34.0	35.2	37.7	40.7	41.5	45.2	48.0	49.5	52.7	53.5	56.7	57.5	64.7		4.80	5.40	1.31	1.59	2.02	2.82	4.63
33.7	34.9	37.4	40.4	41.2	44.9	47.7	49.2	52.4	53.2	56.4	57.2	64.4		5.00	5.60	1.39	1.68	2.14	2.99	4.89
28.7	29.9	32.4	35.4	36.2	39.9	42.7	44.2	47.4	48.2	51.4	52.2	59.4		8.00	9.00	2.48	3.03	3.86	5.35	†
37.0	38.2	40.7	43.7	44.5	48.2	51.0	52.5	55.7	56.5	59.7	60.5	67.7		3.00	3.40	.61	.73	.92	1.24	1.97
34.6	35.9	38.4	41.4	42.1	45.9	48.6	50.1	53.4	54.1	57.4	58.1	65.4		4.40	5.00	1.16	1.40	1.78	2.48	4.07
34.3	35.6	38.1	41.1	41.8	45.6	48.3	49.8	53.1	53.8	57.1	57.8	65.1		4.60	5.20	1.23	1.50	1.90	2.65	4.35
31.6	32.9	35.4	38.4	39.1	42.9	45.6	47.1	50.4	51.1	54.4	55.1	62.4		6.20	7.00	1.83	2.23	2.85	3.97	6.39
34.9	36.2	38.7	41.7	42.4	46.2	48.9	50.4	53.7	54.4	57.7	58.4	65.7		4.20	4.80	1.08	1.31	1.66	2.31	3.79
32.6	33.8	36.3	39.3	40.1	43.8	46.6	48.1	51.3	52.1	55.3	56.1	63.3		5.60	6.40	1.61	1.96	2.50	3.48	5.67
30.2	31.5	34.0	37.0	37.7	41.5	44.2	45.7	49.0	49.7	53.0	53.7	61.0		7.00	8.00	2.13	2.59	3.30	4.60	7.26
18.4	19.7	22.2	25.2	25.9	29.7	32.4	33.9	37.2	37.9	41.2	41.9	49.2		14.00	16.00	4.52	5.48	6.89	9.15	†
35.2	36.5	39.0	42.0	42.7	46.5	49.2	50.7	54.0	54.7	58.0	58.7	66.0		4.00	4.60	1.00	1.21	1.54	2.13	3.50
33.2	34.5	37.0	40.0	40.7	44.5	47.2	48.7	52.0	52.7	56.0	56.7	64.0		5.20	6.00	1.46	1.78	2.26	3.15	5.16
32.9	34.1	36.6	39.6	40.4	44.1	46.9	48.4	51.6	52.4	55.6	56.4	63.6		5.40	6.20	1.54	1.87	2.38	3.32	5.42
31.2	32.4	34.9	37.9	38.7	42.4	45.2	46.7	49.9	50.7	53.9	54.7	61.9		6.40	7.40	1.91	2.32	2.96	4.13	6.62
35.9	37.1	39.6	42.6	43.4	47.1	49.9	51.4	54.6	55.4	58.6	59.4	66.6		3.60	4.20	.85	1.02	1.29	1.78	2.90
35.6	36.8	39.3	42.3	43.1	46.8	49.6	51.1	54.3	55.1	58.3	59.1	66.3		3.80	4.40	.92	1.12	1.42	1.96	3.20
33.8	35.1	37.6	40.6	41.3	45.1	47.8	49.3	52.6	53.3	56.6	57.3	64.6		4.80	5.60	1.31	1.59	2.02	2.82	4.63
33.5	34.8	37.3	40.3	41.0	44.8	47.5	49.0	52.3	53.0	56.3	57.0	64.3		5.00	5.80	1.39	1.68	2.14	2.99	4.89
36.2	37.4	39.9	42.9	43.7	47.4	50.2	51.7	54.9	55.7	58.9	59.7	66.9		3.40	4.00	.78	.95	1.19	1.63	2.66
34.1	35.4	37.9	40.9	41.6	45.4	48.1	49.6	52.9	53.6	56.9	57.6	64.9		4.60	5.40	1.24	1.52	1.92	2.68	4.41
31.8	33.0	35.5	38.5	39.3	43.0	45.8	47.3	50.5	51.3	54.5	55.3	62.5		6.00	7.00	1.77	2.16	2.75	3.84	6.21
21.6	22.8	25.3	28.3	29.1	32.8	35.6	37.1	40.3	41.1	44.3	45.1	52.3		12.00	14.00	3.87	4.72	5.96	8.07	†
36.5	37.8	40.3	43.3	44.0	47.8	50.5	52.0	55.3	56.0	59.3	60.0	67.3		3.20	3.80	.70	.85	1.06	1.46	2.35
34.5	35.7	38.2	41.2	42.0	45.7	48.5	50.0	53.2	54.0	57.2	58.0	65.2		4.40	5.20	1.17	1.42	1.80	2.51	4.13
32.7	34.0	36.5	39.5	40.2	44.0	46.7	48.2	51.5	52.2	55.5	56.2	63.5		5.40	6.40	1.55	1.89	2.40	3.35	5.48
34.8	36.0	38.5	41.5	42.3	46.0	48.8	50.3	53.5	54.3	57.5	58.3	65.5		4.20	5.00	1.09	1.33	1.68	2.34	3.85
33.0	34.3	36.8	39.8	40.5	44.3	47.0	48.5	51.8	52.5	55.8	56.5	63.8		5.20	6.20	1.47	1.80	2.28	3.18	5.22
31.3	32.6	35.1	38.1	38.8	42.6	45.3	46.8	50.1	50.8	54.1	54.8	62.1		6.20	7.40	1.84	2.25	2.87	4.00	6.45
36.8	38.1	40.6	43.6	44.3	48.1	50.8	52.3	55.6	56.3	59.6	60.3	67.6		3.00	3.60	.62	.75	.94	1.27	2.03
35.1	36.3	38.8	41.8	42.6	46.3	49.1	50.6	53.8	54.6	57.8	58.6	65.8		4.00	4.80	1.01	1.23	1.56	2.16	3.56
33.4	34.6	37.1	40.1	40.9	44.6	47.4	48.9	52.1	52.9	56.1	56.9	64.1		5.00	6.00	1.40	1.70	2.16	3.02	4.95
31.9	33.2	35.7	38.7	39.4	43.2	45.9	47.4	50.7	51.4	54.7	55.4	62.7		5.80	7.00	1.69	2.07	2.63	3.68	5.97
24.7	26.0	28.5	31.5	32.2	36.0	38.7	40.2	43.5	44.2	47.5	48.2	55.5		10.00	12.00	3.20	3.90	4.95	6.80	†
35.4	36.7	39.2	42.2	42.9	46.7	49.4	50.9	54.2	54.9	58.2	58.9	66.2		3.80	4.60	.93	1.14	1.44	1.99	3.26
34.0	35.2	37.7	40.7	41.5	45.2	48.0	49.5	52.7	53.5	56.7	57.5	64.7		4.60	5.60	1.24	1.52	1.92	2.68	4.41
33.7	34.9	37.4	40.4	41.2	44.9	47.7	49.2	52.4	53.2	56.4	57.2	64.4		4.80	5.80	1.32	1.61	2.04	2.85	4.69
29.1	30.4	32.9	35.9	36.6	40.4	43.1	44.6	47.9	48.6	51.9	52.6	59.9		7.40	9.00	2.28	2.79	3.54	4.93	†
35.7	37.0	39.5	42.5	43.2	47.0	49.7	51.2	54.5	55.2	58.5	59.2	66.5		3.60	4.40	.86	1.04	1.31	1.81	2.96
34.3	35.6	38.1	41.1	41.8	45.6	48.3	49.8	53.1	53.8	57.1	57.8	65.1		4.40	5.40	1.17	1.42	1.80	2.51	4.13
36.0	37.3	39.8	42.8	43.5	47.3	50.0	51.5	54.8	55.5	58.8	59.5	66.8		3.40	4.20	.78	.95	1.19	1.63	2.66
34.6	35.9	38.4	41.4	42.1	45.9	48.6	50.1	53.4	54.1	57.4	58.1	65.4		4.20	5.20	1.09	1.33	1.68	2.34	3.85
32.9	34.1	36.6	39.6	40.4	44.1	46.9	48.4	51.6	52.4	55.6	56.4	63.6		5.20	6.40	1.47	1.80	2.28	3.18	5.22
31.5	32.7	35.2	38.2	39.0	42.7	45.5	47.0	50.2	51.0	54.2	55.0	62.2		6.00	7.40	1.77	2.16	2.75	3.84	6.21
33.2	34.5	37.0	40.0	40.7	44.5	47.2	48.7	52.0	52.7	56.0	56.7	64.0		5.00	6.20	1.42	1.71	2.18	3.06	5.02

Key to correction factors: 1.0 1.1

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.

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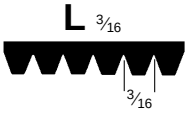

L Section Micro-V® Belt Drive Selection Table

Table No. 33

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches											
690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	500	540	560	615	635	655	675	695	725	765	780	795	815
552	696	928	1400	2760	3.20	4.00	1.25	19.3	21.3	22.3	25.1	26.1	27.2	28.1	29.1	30.6	32.6	33.3	34.1	35.1
552	696	928	1400	2760	4.00	5.00	1.25	17.9	19.9	20.9	23.7	24.7	25.8	26.7	27.7	29.2	31.2	31.9	32.7	33.7
552	696	928	1400	2760	4.80	6.00	1.25	16.5	18.5	19.5	22.3	23.3	24.4	25.3	26.3	27.8	29.8	30.5	31.3	32.3
552	696	928	1400	2760	5.60	7.00	1.25	15.1	17.1	18.1	20.8	21.8	22.9	23.8	24.8	26.3	28.4	29.1	29.9	30.9
552	696	928	1400	2760	6.40	8.00	1.25	13.7	15.7	16.7	19.4	20.4	21.5	22.4	23.4	24.9	26.9	27.7	28.4	29.4
552	696	928	1400	2760	8.00	10.00	1.25	10.8	12.8	13.8	16.6	17.6	18.7	19.6	20.6	22.1	24.1	24.8	25.6	26.6
548	690	921	1389	2738	3.00	3.80	1.26	19.7	21.7	22.7	25.4	26.4	27.5	28.4	29.4	30.9	32.9	33.7	34.4	35.4
548	690	921	1389	2738	3.80	4.80	1.26	18.2	20.2	21.2	24.0	25.0	26.1	27.0	28.0	29.5	31.5	32.2	33.0	34.0
548	690	921	1389	2738	4.60	5.80	1.26	16.8	18.8	19.8	22.6	23.6	24.7	25.6	26.6	28.1	30.1	30.8	31.6	32.6
543	685	913	1378	2717	3.60	4.60	1.27	18.6	20.6	21.6	24.3	25.3	26.4	27.3	28.3	29.8	31.8	32.6	33.3	34.3
543	685	913	1378	2717	4.40	5.60	1.27	17.1	19.1	20.1	22.9	23.9	25.0	25.9	26.9	28.4	30.4	31.1	31.9	32.9
543	685	913	1378	2717	5.80	7.40	1.27	14.6	16.6	17.6	20.4	21.4	22.5	23.4	24.4	25.9	27.9	28.6	29.4	30.4
539	680	906	1367	2695	4.20	5.40	1.28	17.5	19.5	20.5	23.2	24.2	25.3	26.2	27.2	28.7	30.7	31.5	32.2	33.2
539	680	906	1367	2695	5.00	6.40	1.28	16.0	18.0	19.0	21.8	22.8	23.9	24.8	25.8	27.3	29.3	30.0	30.8	31.8
539	680	906	1367	2695	7.00	9.00	1.28	12.4	14.4	15.4	18.2	19.2	20.3	21.2	22.2	23.7	25.7	26.4	27.2	28.2
539	680	906	1367	2695	14.00	18.00	1.28													
535	674	899	1357	2674	3.40	4.40	1.29	18.9	20.9	21.9	24.6	25.6	26.7	27.6	28.6	30.1	32.1	32.9	33.6	34.6
535	674	899	1357	2674	4.80	6.20	1.29	16.4	18.4	19.4	22.1	23.1	24.2	25.1	26.1	27.6	29.6	30.4	31.1	32.1
535	674	899	1357	2674	5.40	7.00	1.29	15.2	17.2	18.2	21.0	22.0	23.1	24.0	25.0	26.5	28.5	29.3	30.0	31.0
535	674	899	1357	2674	6.20	8.00	1.29	13.8	15.8	16.8	19.6	20.6	21.7	22.6	23.6	25.1	27.1	27.8	28.6	29.6
531	669	892	1346	2654	4.00	5.20	1.30	17.8	19.8	20.8	23.5	24.5	25.6	26.5	27.5	29.0	31.0	31.8	32.5	33.5
531	669	892	1346	2654	4.60	6.00	1.30	16.7	18.7	19.7	22.4	23.4	24.5	25.4	26.4	27.9	29.9	30.7	31.4	32.4
527	664	885	1336	2634	3.20	4.20	1.31	19.2	21.2	22.2	24.9	25.9	27.0	27.9	28.9	30.4	32.4	33.2	33.9	34.9
527	664	885	1336	2634	3.80	5.00	1.31	18.1	20.1	21.1	23.8	24.8	25.9	26.8	27.8	29.3	31.3	32.1	32.8	33.8
527	664	885	1336	2634	4.40	5.80	1.31	17.0	19.0	20.0	22.7	23.7	24.8	25.7	26.7	28.2	30.2	31.0	31.7	32.7
523	659	879	1326	2614	5.60	7.40	1.32	14.8	16.8	17.8	20.5	21.5	22.6	23.5	24.5	26.0	28.0	28.8	29.5	30.5
519	654	872	1316	2594	3.00	4.00	1.33	19.5	21.5	22.5	25.3	26.3	27.4	28.3	29.3	30.8	32.8	33.5	34.3	35.3
519	654	872	1316	2594	3.60	4.80	1.33	18.4	20.4	21.4	24.1	25.1	26.2	27.1	28.1	29.6	31.7	32.4	33.2	34.2
519	654	872	1316	2594	4.20	5.60	1.33	17.3	19.3	20.3	23.0	24.0	25.1	26.0	27.0	28.5	30.5	31.3	32.0	33.0
519	654	872	1316	2594	4.80	6.40	1.33	16.2	18.2	19.2	21.9	22.9	24.0	24.9	25.9	27.4	29.4	30.2	30.9	31.9
519	654	872	1316	2594	6.00	8.00	1.33	14.0	16.0	17.0	19.7	20.7	21.8	22.7	23.7	25.2	27.2	28.0	28.7	29.7
519	654	872	1316	2594	9.00	12.00	1.33			11.4	14.2	15.2	16.3	17.2	18.2	19.7	21.7	22.5	23.2	24.2
519	654	872	1316	2594	12.00	16.00	1.33										16.1	16.9	17.7	18.7
515	649	866	1306	2575	4.00	5.40	1.34	17.6	19.6	20.6	23.4	24.4	25.5	26.4	27.4	28.9	30.9	31.6	32.4	33.4
515	649	866	1306	2575	4.60	6.20	1.34	16.5	18.5	19.5	22.3	23.3	24.4	25.3	26.3	27.8	29.8	30.5	31.3	32.3
515	649	866	1306	2575	5.20	7.00	1.34	15.4	17.4	18.4	21.2	22.2	23.3	24.2	25.2	26.7	28.7	29.4	30.2	31.2
511	644	859	1296	2556	3.40	4.60	1.35	18.7	20.7	21.7	24.5	25.5	26.6	27.5	28.5	30.0	32.0	32.7	33.5	34.5
511	644	859	1296	2556	7.40	10.00	1.35	11.3	13.3	14.3	17.0	18.0	19.1	20.0	21.1	22.6	24.6	25.3	26.1	27.1
507	640	853	1287	2537	3.80	5.20	1.36	17.9	19.9	20.9	23.7	24.7	25.8	26.7	27.7	29.2	31.2	31.9	32.7	33.7
507	640	853	1287	2537	4.40	6.00	1.36	16.8	18.8	19.8	22.6	23.6	24.7	25.6	26.6	28.1	30.1	30.8	31.6	32.6
504	635	847	1277	2518	3.20	4.40	1.37	19.0	21.0	22.0	24.8	25.8	26.9	27.8	28.8	30.3	32.3	33.0	33.8	34.8
504	635	847	1277	2518	5.40	7.40	1.37	14.9	16.9	17.9	20.7	21.7	22.8	23.7	24.7	26.2	28.2	28.9	29.7	30.7
500	630	841	1268	2500	3.60	5.00	1.38	18.2	20.2	21.2	24.0	25.0	26.1	27.0	28.0	29.5	31.5	32.2	33.0	34.0
500	630	841	1268	2500	4.20	5.80	1.38	17.1	19.1	20.1	22.9	23.9	25.0	25.9	26.9	28.4	30.4	31.1	31.9	32.9
500	630	841	1268	2500	5.80	8.00	1.38	14.1	16.1	17.1	19.9	20.9	22.0	22.9	23.9	25.4	27.4	28.1	28.9	29.9
496	626	835	1259	2482	3.00	4.20	1.39	19.3	21.3	22.3	25.1	26.1	27.2	28.1	29.1	30.6	32.6	33.3	34.1	35.1
496	626	835	1259	2482	4.00	5.60	1.39	17.4	19.4	20.4	23.2	24.2	25.3	26.2	27.2	28.7	30.7	31.5	32.2	33.2
496	626	835	1259	2482	4.60	6.40	1.39	16.3	18.3	19.3	22.1	23.1	24.2	25.1	26.1	27.6	29.6	30.4	31.1	32.1
493	621	829	1250	2464	3.40	4.80	1.40	18.5	20.6	21.6	24.3	25.3	26.4	27.3	28.3	29.8	31.8	32.6	33.3	34.3
493	621	829	1250	2464	4.40	6.20	1.40	16.7	18.7	19.7	22.4	23.4	24.5	25.4	26.4	27.9	29.9	30.7	31.4	32.4
493	621	829	1250	2464	5.00	7.00	1.40	15.5	17.6	18.6	21.3	22.3	23.4	24.3	25.3	26.8	28.8	29.6	30.3	31.3
493	621	829	1250	2464	6.40	9.00	1.40	12.8	14.9	15.9	18.6	19.6	20.7	21.6	22.6	24.1	26.1	26.9	27.6	28.6
493	621	829	1250	2464	10.00	14.00	1.40						13.9	14.8	15.8	17.3	19.3	20.1	20.8	21.8
489	617	823	1241	2447	3.80	5.40	1.41	17.8	19.8	20.8	23.5	24.5	25.6	26.5	27.5	29.0	31.0	31.8	32.5	33.5
486	613	817	1232	2430	4.20	6.00	1.42	17.0	19.0	20.0	22.7	23.7	24.8	25.7	26.7	28.2	30.2	31.0	31.7	32.7
486	613	817	1232	2430	5.20	7.40	1.42	15.1	17.1	18.1	20.8	21.8	22.9	23.8	24.8	26.3	28.3	29.1	29.8	30.8
486	613	817	1232	2430	5.60	8.00	1.42	14.3	16.3	17.3	20.0	21.0	22.1	23.0	24.0	25.5	27.5	28.3	29.0	30.1

Key to correction factors: 0.8 0.9 1.0

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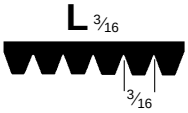

Length Designation and Center Distance, Inches													Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
840	865	915	975	990	1065	1120	1150	1215	1230	1295	1310	1455	Small Sheave	Large Sheave	690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
36.3	37.6	40.1	43.1	43.8	47.6	50.3	51.8	55.1	55.8	59.1	59.8	67.1	3.20	4.00	.72	.86	1.08	1.50	2.42
34.9	36.2	38.7	41.7	42.4	46.2	48.9	50.4	53.7	54.4	57.7	58.4	65.7	4.00	5.00	1.03	1.24	1.58	2.20	3.63
33.5	34.8	37.3	40.3	41.0	44.8	47.5	49.0	52.3	53.0	56.3	57.0	64.3	4.80	6.00	1.34	1.62	2.06	2.89	4.76
32.1	33.4	35.9	38.9	39.6	43.4	46.1	47.6	50.9	51.6	54.9	55.6	62.9	5.60	7.00	1.64	1.99	2.54	3.55	5.80
30.7	31.9	34.4	37.4	38.2	41.9	44.7	46.2	49.4	50.2	53.4	54.2	61.4	6.40	8.00	1.94	2.35	3.00	4.20	6.75
27.9	29.1	31.6	34.6	35.4	39.1	41.9	43.4	46.6	47.4	50.6	51.4	58.6	8.00	10.00	2.51	3.06	3.90	5.42	†
36.7	37.9	40.4	43.4	44.2	47.9	50.7	52.2	55.4	56.2	59.4	60.2	67.4	3.00	3.80	.64	.76	.96	1.31	2.10
35.2	36.5	39.0	42.0	42.7	46.5	49.2	50.7	54.0	54.7	58.0	58.7	66.0	3.80	4.80	.95	1.15	1.46	2.03	3.33
33.8	35.1	37.6	40.6	41.3	45.1	47.8	49.3	52.6	53.3	56.6	57.3	64.6	4.60	5.80	1.26	1.53	1.94	2.72	4.48
35.6	36.8	39.3	42.3	43.1	46.8	49.6	51.1	54.3	55.1	58.3	59.1	66.3	3.60	4.60	.88	1.05	1.33	1.85	3.03
34.1	35.4	37.9	40.9	41.6	45.4	48.1	49.6	52.9	53.6	56.9	57.6	64.9	4.40	5.60	1.19	1.43	1.82	2.55	4.20
31.6	32.9	35.4	38.4	39.1	42.9	45.6	47.1	50.4	51.1	54.4	55.1	62.4	5.80	7.40	1.71	2.08	2.65	3.72	6.04
34.5	35.7	38.2	41.2	42.0	45.7	48.5	50.0	53.2	54.0	57.2	58.0	65.2	4.20	5.40	1.11	1.34	1.70	2.38	3.92
33.0	34.3	36.8	39.8	40.5	44.3	47.0	48.5	51.8	52.5	55.8	56.5	63.8	5.00	6.40	1.42	1.71	2.18	3.06	5.02
29.4	30.7	33.2	36.2	36.9	40.7	43.4	44.9	48.2	48.9	52.2	52.9	60.2	7.00	9.00	2.16	2.62	3.34	4.67	7.39
	18.0	20.5	23.5	24.3	28.1	30.8	32.3	35.6	36.3	39.6	40.3	47.6	14.00	18.00	4.55	5.51	6.93	9.22	†
35.9	37.1	39.6	42.6	43.4	47.1	49.9	51.4	54.6	55.4	58.6	59.4	66.6	3.40	4.40	.80	.96	1.21	1.67	2.73
33.4	34.6	37.1	40.1	40.9	44.6	47.4	48.9	52.1	52.9	56.1	56.9	64.1	4.80	6.20	1.34	1.62	2.06	2.89	4.76
32.3	33.5	36.0	39.0	39.8	43.5	46.3	47.8	51.0	51.8	55.0	55.8	63.0	5.40	7.00	1.57	1.90	2.42	3.39	5.55
30.8	32.1	34.6	37.6	38.3	42.1	44.8	46.3	49.6	50.3	53.6	54.3	61.6	6.20	8.00	1.86	2.26	2.89	4.04	6.52
34.8	36.0	38.5	41.5	42.3	46.0	48.8	50.3	53.5	54.3	57.5	58.3	65.5	4.00	5.20	1.03	1.24	1.58	2.20	3.63
33.7	34.9	37.4	40.4	41.2	44.9	47.7	49.2	52.4	53.2	56.4	57.2	64.4	4.60	6.00	1.26	1.53	1.94	2.72	4.48
36.2	37.4	39.9	42.9	43.7	47.4	50.2	51.7	54.9	55.7	58.9	59.7	66.9	3.20	4.20	.72	.86	1.08	1.50	2.42
35.1	36.3	38.8	41.8	42.6	46.3	49.1	50.6	53.8	54.6	57.8	58.6	65.8	3.80	5.00	.95	1.15	1.46	2.03	3.33
34.0	35.2	37.7	40.7	41.5	45.2	48.0	49.5	52.7	53.5	56.7	57.5	64.7	4.40	5.80	1.19	1.43	1.82	2.55	4.20
31.8	33.0	35.5	38.5	39.3	43.0	45.8	47.3	50.5	51.3	54.5	55.3	62.5	5.60	7.40	1.64	1.99	2.54	3.55	5.80
36.5	37.8	40.3	43.3	44.0	47.8	50.5	52.0	55.3	56.0	59.3	60.0	67.3	3.00	4.00	.64	.76	.96	1.31	2.10
35.4	36.7	39.2	42.2	42.9	46.7	49.4	50.9	54.2	54.9	58.2	58.9	66.2	3.60	4.80	.88	1.05	1.33	1.85	3.03
34.3	35.6	38.1	41.1	41.8	45.6	48.3	49.8	53.1	53.8	57.1	57.8	65.1	4.20	5.60	1.11	1.34	1.70	2.38	3.92
33.2	34.4	36.9	39.9	40.7	44.5	47.2	48.7	52.0	52.7	56.0	56.7	64.0	4.80	6.40	1.34	1.62	2.06	2.89	4.76
31.0	32.2	34.7	37.7	38.5	42.2	45.0	46.5	49.7	50.5	53.8	54.5	61.8	6.00	8.00	1.79	2.17	2.77	3.88	6.28
25.5	26.7	29.2	32.2	33.0	36.7	39.5	41.0	44.2	45.0	48.2	49.0	56.2	9.00	12.00	2.87	3.49	4.44	6.15	†
19.9	21.2	23.7	26.7	27.4	31.2	34.0	35.5	38.7	39.5	42.7	43.5	50.7	12.00	16.00	3.89	4.73	5.98	8.11	†
34.6	35.9	38.4	41.4	42.1	45.9	48.6	50.1	53.4	54.1	57.4	58.1	65.4	4.00	5.40	1.04	1.26	1.60	2.23	3.69
33.5	34.8	37.3	40.3	41.0	44.8	47.5	49.0	52.3	53.0	56.3	57.0	64.3	4.60	6.20	1.27	1.55	1.96	2.75	4.54
32.4	33.7	36.2	39.2	39.9	43.7	46.4	47.9	51.2	51.9	55.2	55.9	63.2	5.20	7.00	1.50	1.83	2.32	3.25	5.35
35.7	37.0	39.5	42.5	43.2	47.0	49.7	51.2	54.5	55.2	58.5	59.2	66.5	3.40	4.60	.81	.98	1.23	1.70	2.79
28.3	29.6	32.1	35.1	35.8	39.6	42.3	43.8	47.1	47.8	51.1	51.8	59.1	7.40	10.00	2.31	2.82	3.58	5.00	†
34.9	36.2	38.7	41.7	42.4	46.2	48.9	50.4	53.7	54.4	57.7	58.4	65.7	3.80	5.20	.96	1.17	1.48	2.06	3.39
33.8	35.1	37.6	40.6	41.3	45.1	47.8	49.3	52.6	53.3	56.6	57.3	64.6	4.40	6.00	1.20	1.45	1.84	2.58	4.26
36.0	37.3	39.8	42.8	43.5	47.3	50.0	51.5	54.8	55.5	58.8	59.5	66.8	3.20	4.40	.73	.88	1.10	1.53	2.48
31.9	33.2	35.7	38.7	39.4	43.2	45.9	47.4	50.7	51.4	54.7	55.4	62.7	5.40	7.40	1.58	1.92	2.44	3.42	5.61
35.2	36.5	39.0	42.0	42.7	46.5	49.2	50.7	54.0	54.7	58.0	58.7	66.0	3.60	5.00	.89	1.07	1.35	1.88	3.09
34.1	35.4	37.9	40.9	41.6	45.4	48.1	49.6	52.9	53.6	56.9	57.6	64.9	4.20	5.80	1.12	1.36	1.72	2.41	3.98
31.1	32.4	34.9	37.9	38.7	42.4	45.2	46.7	49.9	50.7	53.9	54.7	61.9	5.80	8.00	1.72	2.10	2.67	3.75	6.10
36.3	37.6	40.1	43.1	43.8	47.6	50.3	51.8	55.1	55.8	59.1	59.8	67.1	3.00	4.20	.65	.78	.98	1.34	2.16
34.5	35.7	38.2	41.2	42.0	45.7	48.5	50.0	53.2	54.0	57.2	58.0	65.2	4.00	5.60	1.04	1.26	1.60	2.23	3.69
33.4	34.6	37.1	40.1	40.9	44.6	47.4	48.9	52.1	52.9	56.1	56.9	64.1	4.60	6.40	1.27	1.55	1.96	2.75	4.54
35.6	36.8	39.3	42.3	43.1	46.8	49.6	51.1	54.3	55.1	58.3	59.1	66.3	3.40	4.80	.81	.98	1.23	1.70	2.79
33.7	34.9	37.4	40.4	41.2	44.9	47.7	49.2	52.4	53.2	56.4	57.2	64.4	4.40	6.20	1.20	1.45	1.84	2.58	4.26
32.6	33.8	36.3	39.3	40.1	43.8	46.6	48.1	51.3	52.1	55.3	56.1	63.3	5.00	7.00	1.43	1.73	2.20	3.09	5.08
29.9	31.1	33.6	36.6	37.4	41.1	43.9	45.4	48.6	49.4	52.6	53.4	60.6	6.40	9.00	1.95	2.37	3.02	4.23	6.81
23.1	24.3	26.8	29.8	30.6	34.4	37.1	38.6	41.9	42.6	45.9	46.6	53.9	10.00	14.00	3.23	3.93	4.99	6.87	†
34.8	36.0	38.5	41.5	42.3	46.0	48.8	50.3	53.5	54.3	57.5	58.3	65.5	3.80	5.40	.96	1.17	1.48	2.06	3.39
34.0	35.2	37.7	40.7	41.5	45.2	48.0	49.5	52.7	53.5	56.7	57.5	64.7	4.20	6.00	1.12	1.36	1.72	2.41	3.98
32.1	33.3	35.8	38.8	39.6	43.3	46.1	47.6	50.8	51.6	54.8	55.6	62.8	5.20	7.40	1.50	1.83	2.32	3.25	5.35
31.3	32.6	35.1	38.1	38.8	42.6	45.3	46.8	50.1	50.8	54.1	54.8	62.1	5.60	8.00	1.65	2.01	2.56	3.58	5.86

Key to correction factors: 1.0 1.1

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.

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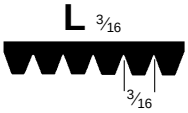

L Section Micro-V® Belt Drive Selection Table

Table No. 33

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches											
690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	500	540	560	615	635	655	675	695	725	765	780	795	815
483	608	811	1224	2413	3.20	4.60	1.43	18.9	20.9	21.9	24.6	25.6	26.7	27.6	28.6	30.1	32.1	32.9	33.6	34.6
483	608	811	1224	2413	7.00	10.00	1.43	11.6	13.6	14.6	17.3	18.3	19.4	20.3	21.4	22.9	24.9	25.6	26.4	27.4
483	608	811	1224	2413	14.00	20.00	1.43													
479	604	806	1215	2396	3.60	5.20	1.44	18.1	20.1	21.1	23.8	24.8	25.9	26.8	27.8	29.3	31.3	32.1	32.8	33.8
479	604	806	1215	2396	4.00	5.80	1.44	17.3	19.3	20.3	23.0	24.0	25.1	26.0	27.0	28.5	30.5	31.3	32.0	33.0
476	600	800	1207	2379	4.40	6.40	1.45	16.5	18.5	19.5	22.2	23.3	24.4	25.3	26.3	27.8	29.8	30.5	31.3	32.3
476	600	800	1207	2379	4.80	7.00	1.45	15.7	17.7	18.7	21.5	22.5	23.6	24.5	25.5	27.0	29.0	29.7	30.5	31.5
476	600	800	1207	2379	6.20	9.00	1.45	13.0	15.0	16.0	18.8	19.8	20.9	21.8	22.8	24.3	26.3	27.0	27.8	28.8
473	596	795	1199	2363	3.00	4.40	1.46	19.2	21.2	22.2	24.9	25.9	27.0	27.9	28.9	30.4	32.4	33.2	33.9	34.9
473	596	795	1199	2363	3.40	5.00	1.46	18.4	20.4	21.4	24.1	25.1	26.2	27.1	28.1	29.6	31.6	32.4	33.1	34.1
469	592	789	1190	2347	3.80	5.60	1.47	17.6	19.6	20.6	23.4	24.4	25.5	26.4	27.4	28.9	30.9	31.6	32.4	33.4
469	592	789	1190	2347	4.20	6.20	1.47	16.8	18.8	19.8	22.6	23.6	24.7	25.6	26.6	28.1	30.1	30.8	31.6	32.6
469	592	789	1190	2347	5.00	7.40	1.47	15.2	17.2	18.2	21.0	22.0	23.1	24.0	25.0	26.5	28.5	29.2	30.0	31.0
466	588	784	1182	2331	5.40	8.00	1.48	14.4	16.4	17.4	20.2	21.2	22.3	23.2	24.2	25.7	27.7	28.5	29.2	30.2
463	584	779	1174	2315	3.20	4.80	1.49	18.7	20.7	21.7	24.5	25.5	26.6	27.5	28.5	30.0	32.0	32.7	33.5	34.5
463	584	779	1174	2315	3.60	5.40	1.49	17.9	19.9	20.9	23.7	24.7	25.8	26.7	27.7	29.2	31.2	31.9	32.7	33.7
463	584	779	1174	2315	4.00	6.00	1.49	17.1	19.1	20.1	22.9	23.9	25.0	25.9	26.9	28.4	30.4	31.1	31.9	32.9
460	580	773	1167	2300	6.00	9.00	1.50	13.1	15.2	16.2	18.9	19.9	21.0	21.9	22.9	24.4	26.4	27.2	27.9	28.9
460	580	773	1167	2300	8.00	12.00	1.50		11.1	12.1	14.9	15.9	17.0	17.9	18.9	20.5	22.5	23.2	24.0	25.0
460	580	773	1167	2300	12.00	18.00	1.50													16.9
454	572	763	1151	2270	3.00	4.60	1.52	19.0	21.0	22.0	24.8	25.8	26.9	27.8	28.8	30.3	32.3	33.0	33.8	34.8
454	572	763	1151	2270	3.40	5.20	1.52	18.2	20.2	21.2	24.0	25.0	26.1	27.0	28.0	29.5	31.5	32.2	33.0	34.0
454	572	763	1151	2270	3.80	5.80	1.52	17.4	19.4	20.4	23.2	24.2	25.3	26.2	27.2	28.7	30.7	31.4	32.2	33.2
454	572	763	1151	2270	4.20	6.40	1.52	16.6	18.6	19.6	22.4	23.4	24.5	25.4	26.4	27.9	29.9	30.7	31.4	32.4
454	572	763	1151	2270	4.60	7.00	1.52	15.8	17.9	18.9	21.6	22.6	23.7	24.6	25.6	27.1	29.1	29.9	30.6	31.6
451	569	758	1144	2255	5.20	8.00	1.53	14.6	16.6	17.6	20.3	21.3	22.4	23.3	24.3	25.9	27.9	28.6	29.4	30.4
448	565	753	1136	2240	4.00	6.20	1.54	17.0	19.0	20.0	22.7	23.7	24.8	25.7	26.7	28.2	30.2	31.0	31.7	32.7
448	565	753	1136	2240	4.80	7.40	1.54	15.4	17.4	18.4	21.1	22.1	23.2	24.1	25.1	26.6	28.6	29.4	30.1	31.1
445	561	748	1129	2226	3.20	5.00	1.55	18.5	20.5	21.5	24.3	25.3	26.4	27.3	28.3	29.8	31.8	32.6	33.3	34.3
445	561	748	1129	2226	3.60	5.60	1.55	17.7	19.8	20.8	23.5	24.5	25.6	26.5	27.5	29.0	31.0	31.8	32.5	33.5
445	561	748	1129	2226	5.80	9.00	1.55	13.3	15.3	16.3	19.1	20.1	21.2	22.1	23.1	24.6	26.6	27.3	28.1	29.1
445	561	748	1129	2226	9.00	14.00	1.55					13.5	14.6	15.5	16.5	18.0	20.0	20.8	21.5	22.6
442	558	744	1122	2212	6.40	10.00	1.56	12.0	14.0	15.0	17.8	18.8	19.9	20.8	21.8	23.3	25.3	26.1	26.8	27.8
439	554	739	1115	2197	3.80	6.00	1.57	17.3	19.3	20.3	23.0	24.0	25.1	26.0	27.0	28.5	30.5	31.3	32.0	33.0
437	551	734	1108	2184	3.40	5.40	1.58	18.1	20.1	21.1	23.8	24.8	25.9	26.8	27.8	29.3	31.3	32.1	32.8	33.8
437	551	734	1108	2184	4.40	7.00	1.58	16.0	18.0	19.0	21.8	22.8	23.9	24.8	25.8	27.3	29.3	30.0	30.8	31.8
434	547	730	1101	2170	3.00	4.80	1.59	18.9	20.9	21.9	24.6	25.6	26.7	27.6	28.6	30.1	32.1	32.9	33.6	34.6
434	547	730	1101	2170	4.00	6.40	1.59	16.8	18.8	19.8	22.6	23.6	24.7	25.6	26.6	28.1	30.1	30.8	31.6	32.6
434	547	730	1101	2170	5.00	8.00	1.59	14.7	16.7	17.7	20.5	21.5	22.6	23.5	24.5	26.0	28.0	28.8	29.5	30.5
431	544	725	1094	2156	3.60	5.80	1.60	17.6	19.6	20.6	23.3	24.3	25.4	26.3	27.3	28.9	30.9	31.6	32.4	33.4
431	544	725	1094	2156	4.60	7.40	1.60	15.5	17.5	18.5	21.3	22.3	23.4	24.3	25.3	26.8	28.8	29.5	30.3	31.3
431	544	725	1094	2156	5.60	9.00	1.60	13.4	15.4	16.5	19.2	20.2	21.3	22.2	23.2	24.7	26.7	27.5	28.2	29.2
431	544	725	1094	2156	10.00	16.00	1.60								14.0	15.6	17.6	18.3	19.1	20.1
429	540	720	1087	2143	3.20	5.20	1.61	18.4	20.4	21.4	24.1	25.1	26.2	27.1	28.1	29.6	31.6	32.4	33.1	34.1
429	540	720	1087	2143	6.20	10.00	1.61	12.1	14.2	15.2	17.9	18.9	20.0	20.9	22.0	23.5	25.5	26.2	27.0	28.0
426	537	716	1080	2130	3.80	6.20	1.62	17.1	19.1	20.1	22.9	23.9	25.0	25.9	26.9	28.4	30.4	31.1	31.9	32.9
426	537	716	1080	2130	7.40	12.00	1.62		11.5	12.6	15.3	16.4	17.5	18.4	19.4	20.9	22.9	23.7	24.4	25.4
421	530	707	1067	2104	3.40	5.60	1.64	17.9	19.9	20.9	23.7	24.7	25.8	26.7	27.7	29.2	31.2	31.9	32.7	33.7
418	527	703	1061	2091	3.00	5.00	1.65	18.7	20.7	21.7	24.4	25.5	26.6	27.5	28.5	30.0	32.0	32.7	33.5	34.5
416	524	699	1054	2078	3.60	6.00	1.66	17.4	19.4	20.4	23.2	24.2	25.3	26.2	27.2	28.7	30.7	31.4	32.2	33.2
416	524	699	1054	2078	4.20	7.00	1.66	16.1	18.2	19.2	21.9	22.9	24.0	24.9	25.9	27.4	29.4	30.2	30.9	31.9
416	524	699	1054	2078	4.80	8.00	1.66	14.9	16.9	17.9	20.6	21.6	22.7	23.6	24.7	26.2	28.2	28.9	29.7	30.7
416	524	699	1054	2078	5.40	9.00	1.66	13.6	15.6	16.6	19.4	20.4	21.5	22.4	23.4	24.9	26.9	27.6	28.4	29.4
416	524	699	1054	2078	6.00	10.00	1.66	12.3	14.3	15.3	18.1	19.1	20.2	21.1	22.1	23.6	25.6	26.4	27.1	28.1
416	524	699	1054	2078	12.00	20.00	1.66													
413	521	695	1048	2066	3.80	6.40	1.67	16.9	18.9	20.0	22.7	23.7	24.8	25.7	26.7	28.2	30.2	31.0	31.7	32.7
413	521	695	1048	2066	4.40	7.40	1.67	15.7	17.7	18.7	21.4	22.4	23.5	24.4	25.4	26.9	28.9	29.7	30.5	31.5

Key to correction factors: 0.8 0.9 1.0

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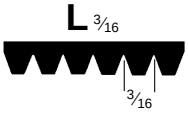

Length Designation and Center Distance, Inches													Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
840	865	915	975	990	1065	1120	1150	1215	1230	1295	1310	1455	Small Sheave	Large Sheave	690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
35.9	37.1	39.6	42.6	43.4	47.1	49.9	51.4	54.6	55.4	58.6	59.4	66.6	3.20	4.60	.73	.88	1.10	1.53	2.48
28.6	29.9	32.4	35.4	36.1	39.9	42.6	44.1	47.4	48.1	51.4	52.1	59.4	7.00	10.00	2.17	2.64	3.36	4.70	7.45
		18.8	21.9	22.6	26.4	29.2	30.7	33.9	34.7	37.9	38.7	46.0	14.00	20.00	4.56	5.53	6.95	9.25	†
35.1	36.3	38.8	41.8	42.6	46.3	49.1	50.6	53.8	54.6	57.8	58.6	65.8	3.60	5.20	.89	1.07	1.35	1.88	3.09
34.3	35.5	38.0	41.0	41.8	45.5	48.3	49.8	53.0	53.8	57.0	57.8	65.1	4.00	5.80	1.04	1.26	1.60	2.23	3.69
33.5	34.8	37.3	40.3	41.0	44.8	47.5	49.0	52.3	53.0	56.3	57.0	64.3	4.40	6.40	1.20	1.45	1.84	2.58	4.26
32.7	34.0	36.5	39.5	40.2	44.0	46.7	48.2	51.5	52.2	55.5	56.2	63.5	4.80	7.00	1.35	1.64	2.08	2.92	4.82
30.0	31.3	33.8	36.8	37.5	41.3	44.0	45.5	48.8	49.5	52.8	53.5	60.8	6.20	9.00	1.87	2.28	2.91	4.07	6.58
36.2	37.4	39.9	42.9	43.7	47.4	50.2	51.7	54.9	55.7	58.9	59.7	66.9	3.00	4.40	.65	.78	.98	1.34	2.16
35.4	36.6	39.1	42.1	42.9	46.6	49.4	50.9	54.2	54.9	58.2	58.9	66.2	3.40	5.00	.81	.98	1.23	1.70	2.79
34.6	35.9	38.4	41.4	42.1	45.9	48.6	50.1	53.4	54.1	57.4	58.1	65.4	3.80	5.60	.96	1.17	1.48	2.06	3.39
33.8	35.1	37.6	40.6	41.3	45.1	47.8	49.3	52.6	53.3	56.6	57.3	64.6	4.20	6.20	1.12	1.36	1.72	2.41	3.98
32.2	33.5	36.0	39.0	39.7	43.5	46.3	47.8	51.0	51.8	55.0	55.8	63.0	5.00	7.40	1.43	1.73	2.20	3.09	5.08
31.5	32.7	35.2	38.2	39.0	42.7	45.5	47.0	50.2	51.0	54.2	55.0	62.2	5.40	8.00	1.59	1.93	2.46	3.45	5.68
35.7	37.0	39.5	42.5	43.2	47.0	49.7	51.2	54.5	55.2	58.5	59.2	66.5	3.20	4.80	.74	.89	1.12	1.56	2.55
34.9	36.2	38.7	41.7	42.4	46.2	48.9	50.4	53.7	54.4	57.7	58.4	65.7	3.60	5.40	.90	1.08	1.37	1.91	3.16
34.1	35.4	37.9	40.9	41.6	45.4	48.1	49.6	52.9	53.6	56.9	57.6	64.9	4.00	6.00	1.05	1.27	1.62	2.26	3.76
30.2	31.4	33.9	36.9	37.7	41.4	44.2	45.7	49.0	49.7	53.0	53.7	61.0	6.00	9.00	1.81	2.20	2.81	3.94	6.41
26.2	27.5	30.0	33.0	33.7	37.5	40.3	41.8	45.0	45.8	49.0	49.8	57.0	8.00	12.00	2.53	3.09	3.94	5.48	†
18.2	19.5	22.0	25.0	25.8	29.5	32.3	33.8	37.1	37.8	41.1	41.8	49.1	12.00	18.00	3.91	4.76	6.02	8.17	†
36.0	37.3	39.8	42.8	43.5	47.3	50.0	51.5	54.8	55.5	58.8	59.5	66.8	3.00	4.60	.66	.79	1.00	1.37	2.23
35.2	36.5	39.0	42.0	42.7	46.5	49.2	50.7	54.0	54.7	58.0	58.7	66.0	3.40	5.20	.82	.99	1.25	1.73	2.86
34.4	35.7	38.2	41.2	42.0	45.7	48.5	50.0	53.2	54.0	57.2	58.0	65.2	3.80	5.80	.97	1.18	1.50	2.09	3.46
33.7	34.9	37.4	40.4	41.2	44.9	47.7	49.2	52.4	53.2	56.4	57.2	64.4	4.20	6.40	1.13	1.37	1.74	2.44	4.05
32.9	34.1	36.6	39.6	40.4	44.1	46.9	48.4	51.6	52.4	55.6	56.4	63.6	4.60	7.00	1.28	1.56	1.98	2.78	4.61
31.6	32.9	35.4	38.4	39.1	42.9	45.6	47.1	50.4	51.1	54.4	55.1	62.4	5.20	8.00	1.51	1.84	2.34	3.28	5.42
34.0	35.2	37.7	40.7	41.5	45.2	48.0	49.5	52.7	53.5	56.7	57.5	64.7	4.00	6.20	1.05	1.27	1.62	2.26	3.76
32.4	33.6	36.1	39.2	39.9	43.7	46.4	47.9	51.2	51.9	55.2	55.9	63.2	4.80	7.40	1.36	1.65	2.10	2.95	4.89
35.6	36.8	39.3	42.3	43.1	46.8	49.6	51.1	54.3	55.1	58.3	59.1	66.3	3.20	5.00	.74	.89	1.12	1.56	2.55
34.8	36.0	38.5	41.5	42.3	46.0	48.8	50.3	53.5	54.3	57.5	58.3	65.5	3.60	5.60	.90	1.08	1.37	1.91	3.16
30.3	31.6	34.1	37.1	37.8	41.6	44.4	45.9	49.1	49.9	53.1	53.9	61.1	5.80	9.00	1.73	2.11	2.69	3.78	6.17
23.8	25.1	27.6	30.6	31.3	35.1	37.9	39.4	42.6	43.4	46.6	47.4	54.6	9.00	14.00	2.89	3.52	4.48	6.21	†
29.1	30.3	32.8	35.8	36.6	40.3	43.1	44.6	47.8	48.6	51.8	52.6	59.8	6.40	10.00	1.96	2.38	3.04	4.26	6.88
34.3	35.5	38.0	41.0	41.8	45.5	48.3	49.8	53.0	53.8	57.0	57.8	65.0	3.80	6.00	.97	1.18	1.50	2.09	3.46
35.1	36.3	38.8	41.8	42.6	46.3	49.1	50.6	53.8	54.6	57.8	58.6	65.8	3.40	5.40	.82	.99	1.25	1.73	2.86
33.0	34.3	36.8	39.8	40.5	44.3	47.0	48.5	51.8	52.5	55.8	56.5	63.8	4.40	7.00	1.21	1.46	1.86	2.61	4.33
35.9	37.1	39.6	42.6	43.4	47.1	49.9	51.4	54.6	55.4	58.6	59.4	66.6	3.00	4.80	.66	.79	1.00	1.37	2.23
33.8	35.1	37.6	40.6	41.3	45.1	47.8	49.3	52.6	53.3	56.6	57.3	64.6	4.00	6.40	1.05	1.27	1.62	2.26	3.76
31.8	33.0	35.5	38.5	39.3	43.0	45.8	47.3	50.5	51.3	54.5	55.3	62.5	5.00	8.00	1.44	1.74	2.22	3.12	5.15
34.6	35.9	38.4	41.4	42.1	45.9	48.6	50.1	53.4	54.1	57.4	58.1	65.4	3.60	5.80	.90	1.08	1.37	1.91	3.16
32.5	33.8	36.3	39.3	40.1	43.8	46.6	48.1	51.3	52.1	55.3	56.1	63.3	4.60	7.40	1.28	1.56	1.98	2.78	4.61
30.5	31.7	34.2	37.3	38.0	41.8	44.5	46.0	49.3	50.0	53.3	54.0	61.3	5.60	9.00	1.66	2.02	2.58	3.61	5.93
21.4	22.6	25.2	28.2	28.9	32.7	35.5	37.0	40.2	41.0	44.2	45.0	52.3	10.00	16.00	3.24	3.94	5.01	6.90	†
35.4	36.6	39.1	42.1	42.9	46.6	49.4	50.9	54.1	54.9	58.1	58.9	66.1	3.20	5.20	.74	.89	1.12	1.56	2.55
29.2	30.5	33.0	36.0	36.7	40.5	43.2	44.7	48.0	48.7	52.0	52.7	60.0	6.20	10.00	1.88	2.29	2.93	4.10	6.65
34.1	35.4	37.9	40.9	41.6	45.4	48.1	49.6	52.9	53.6	56.9	57.6	64.9	3.80	6.20	.97	1.18	1.50	2.09	3.46
26.7	27.9	30.4	33.4	34.2	38.0	40.7	42.2	45.5	46.2	49.5	50.2	57.5	7.40	12.00	2.32	2.83	3.60	5.03	†
34.9	36.2	38.7	41.7	42.4	46.2	48.9	50.4	53.7	54.4	57.7	58.4	65.7	3.40	5.60	.82	.99	1.25	1.73	2.86
35.7	37.0	39.5	42.5	43.2	47.0	49.7	51.2	54.5	55.2	58.5	59.2	66.5	3.00	5.00	.66	.79	1.00	1.37	2.23
34.4	35.7	38.2	41.2	41.9	45.7	48.4	49.9	53.2	54.0	57.2	58.0	65.2	3.60	6.00	.90	1.08	1.37	1.91	3.16
33.2	34.4	36.9	39.9	40.7	44.4	47.2	48.7	51.9	52.7	55.9	56.7	63.9	4.20	7.00	1.13	1.37	1.74	2.44	4.05
31.9	33.2	35.7	38.7	39.4	43.2	45.9	47.4	50.7	51.4	54.7	55.4	62.7	4.80	8.00	1.36	1.65	2.10	2.95	4.89
30.6	31.9	34.4	37.4	38.2	41.9	44.7	46.2	49.4	50.2	53.4	54.2	61.4	5.40	9.00	1.59	1.93	2.46	3.45	5.68
29.4	30.6	33.1	36.1	36.9	40.6	43.4	44.9	48.1	48.9	52.2	52.9	60.2	6.00	10.00	1.81	2.20	2.81	3.94	6.41
	17.7	20.2	23.3	24.0	27.8	30.6	32.1	35.4	36.2	39.4	40.2	47.5	12.00	20.00	3.91	4.76	6.02	8.17	†
34.0	35.2	37.7	40.7	41.5	45.2	48.0	49.5	52.7	53.5	56.7	57.5	64.7	3.80	6.40	.97	1.18	1.50	2.09	3.46
32.7	34.0	36.5	39.5	40.2	44.0	46.7	48.2	51.5	52.2	55.5	56.2	63.5	4.40	7.40	1.21	1.46	1.86	2.61	4.33

Key to correction factors: 0.9 1.0 1.1

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.

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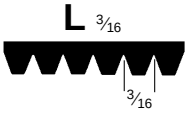

L Section Micro-V® Belt Drive Selection Table

Table No. 33

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches											
690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	500	540	560	615	635	655	675	695	725	765	780	795	815
411	518	690	1042	2054	3.20	5.40	1.68	18.2	20.2	21.2	24.0	25.0	26.1	27.0	28.0	29.5	31.5	32.2	33.0	34.0
408	515	686	1036	2041	3.40	5.80	1.69	17.7	19.7	20.7	23.5	24.5	25.6	26.5	27.5	29.0	31.0	31.8	32.5	33.5
404	509	678	1023	2018	3.60	6.20	1.71	17.3	19.3	20.3	23.0	24.0	25.1	26.0	27.0	28.5	30.5	31.3	32.0	33.0
404	509	678	1023	2018	7.00	12.00	1.71		11.8	12.8	15.6	16.6	17.8	18.7	19.7	21.2	23.2	24.0	24.7	25.7
404	509	678	1023	2018	14.00	24.00	1.71													
401	506	674	1017	2006	3.00	5.20	1.72	18.5	20.5	21.5	24.3	25.3	26.4	27.3	28.3	29.8	31.8	32.5	33.3	34.3
401	506	674	1017	2006	5.20	9.00	1.72	13.7	15.7	16.7	19.5	20.5	21.6	22.5	23.5	25.0	27.0	27.8	28.5	29.5
401	506	674	1017	2006	5.80	10.00	1.72	12.4	14.4	15.5	18.2	19.2	20.3	21.2	22.2	23.8	25.8	26.5	27.3	28.3
399	503	671	1012	1994	4.60	8.00	1.73	15.0	17.0	18.0	20.8	21.8	22.9	23.8	24.8	26.3	28.3	29.1	29.8	30.8
397	500	667	1006	1983	3.20	5.60	1.74	18.1	20.1	21.1	23.8	24.8	25.9	26.8	27.8	29.3	31.3	32.1	32.8	33.8
397	500	667	1006	1983	4.00	7.00	1.74	16.3	18.3	19.3	22.1	23.1	24.2	25.1	26.1	27.6	29.6	30.3	31.1	32.1
397	500	667	1006	1983	8.00	14.00	1.74				13.1	14.2	15.3	16.2	17.2	18.7	20.8	21.5	22.3	23.3
394	497	663	1000	1971	3.40	6.00	1.75	17.6	19.6	20.6	23.3	24.3	25.4	26.3	27.3	28.8	30.8	31.6	32.3	33.3
394	497	663	1000	1971	4.20	7.40	1.75	15.8	17.8	18.8	21.6	22.6	23.7	24.6	25.6	27.1	29.1	29.9	30.6	31.6
390	492	655	989	1949	3.60	6.40	1.77	17.1	19.1	20.1	22.9	23.9	25.0	25.9	26.9	28.4	30.4	31.1	31.9	32.9
390	492	655	989	1949	9.00	16.00	1.77							13.7	14.7	16.2	18.3	19.1	19.8	20.8
388	489	652	983	1938	3.00	5.40	1.78	18.4	20.4	21.4	24.1	25.1	26.2	27.1	28.1	29.6	31.6	32.4	33.1	34.1
388	489	652	983	1938	5.60	10.00	1.78	12.6	14.6	15.6	18.4	19.4	20.5	21.4	22.4	23.9	25.9	26.7	27.4	28.4
385	486	648	978	1927	5.00	9.00	1.79	13.9	15.9	16.9	19.7	20.7	21.8	22.7	23.7	25.2	27.2	27.9	28.7	29.7
383	483	644	972	1917	3.20	5.80	1.80	17.9	19.9	20.9	23.6	24.7	25.8	26.7	27.7	29.2	31.2	31.9	32.7	33.7
383	483	644	972	1917	10.00	18.00	1.80										15.8	16.5	17.3	18.3
381	481	641	967	1906	3.40	6.20	1.81	17.4	19.4	20.4	23.2	24.2	25.3	26.2	27.2	28.7	30.7	31.4	32.2	33.2
381	481	641	967	1906	4.40	8.00	1.81	15.2	17.2	18.2	20.9	21.9	23.0	23.9	25.0	26.5	28.5	29.2	30.0	31.0
377	475	634	956	1885	3.80	7.00	1.83	16.4	18.5	19.5	22.2	23.2	24.3	25.2	26.2	27.7	29.7	30.5	31.2	32.2
375	473	630	951	1875	4.00	7.40	1.84	16.0	18.0	19.0	21.7	22.7	23.8	24.7	25.7	27.2	29.3	30.0	30.8	31.8
375	473	630	951	1875	5.40	10.00	1.84	12.7	14.7	15.7	18.5	19.5	20.6	21.5	22.5	24.1	26.1	26.8	27.6	28.6
373	470	627	946	1865	3.00	5.60	1.85	18.2	20.2	21.2	24.0	25.0	26.1	27.0	28.0	29.5	31.5	32.2	33.0	34.0
371	468	624	941	1855	3.20	6.00	1.86	17.7	19.7	20.7	23.5	24.5	25.6	26.5	27.5	29.0	31.0	31.7	32.5	33.5
371	468	624	941	1855	4.80	9.00	1.86	14.0	16.0	17.0	19.8	20.8	21.9	22.8	23.8	25.3	27.3	28.1	28.8	29.8
369	465	620	936	1845	3.40	6.40	1.87	17.2	19.2	20.3	23.0	24.0	25.1	26.0	27.0	28.5	30.5	31.3	32.0	33.0
369	465	620	936	1845	6.40	12.00	1.87	10.2	12.2	13.3	16.1	17.1	18.2	19.1	20.1	21.6	23.6	24.4	25.2	26.2
367	463	617	931	1835	7.40	14.00	1.88				13.5	14.6	15.7	16.6	17.6	19.2	21.2	22.0	22.7	23.7
365	460	614	926	1825	4.20	8.00	1.89	15.3	17.3	18.3	21.1	22.1	23.2	24.1	25.1	26.6	28.6	29.4	30.1	31.1
361	455	607	916	1806	5.20	10.00	1.91	12.8	14.9	15.9	18.7	19.7	20.8	21.7	22.7	24.2	26.2	27.0	27.7	28.7
359	453	604	911	1797	3.00	5.80	1.92	18.0	20.0	21.0	23.8	24.8	25.9	26.8	27.8	29.3	31.3	32.1	32.8	33.8
359	453	604	911	1797	3.20	6.20	1.92	17.6	19.6	20.6	23.3	24.3	25.4	26.3	27.3	28.8	30.8	31.6	32.3	33.3
358	451	601	907	1788	3.60	7.00	1.93	16.6	18.6	19.6	22.4	23.4	24.5	25.4	26.4	27.9	29.9	30.6	31.4	32.4
358	451	601	907	1788	3.80	7.40	1.93	16.1	18.1	19.1	21.9	22.9	24.0	24.9	25.9	27.4	29.4	30.2	30.9	31.9
358	451	601	907	1788	6.20	12.00	1.93	10.3	12.4	13.4	16.2	17.2	18.3	19.2	20.3	21.8	23.8	24.5	25.3	26.3
356	448	598	902	1778	4.60	9.00	1.94	14.2	16.2	17.2	20.0	21.0	22.1	23.0	24.0	25.5	27.5	28.2	29.0	30.0
348	439	586	884	1742	3.00	6.00	1.98	17.9	19.9	20.9	23.6	24.6	25.7	26.6	27.6	29.1	31.1	31.9	32.7	33.7
348	439	586	884	1742	3.20	6.40	1.98	17.4	19.4	20.4	23.2	24.2	25.3	26.2	27.2	28.7	30.7	31.4	32.2	33.2
347	437	583	879	1734	4.00	8.00	1.99	15.5	17.5	18.5	21.2	22.2	23.3	24.2	25.3	26.8	28.8	29.5	30.3	31.3
347	437	583	879	1734	5.00	10.00	1.99	13.0	15.0	16.0	18.8	19.8	20.9	21.8	22.8	24.3	26.4	27.1	27.9	28.9
347	437	583	879	1734	6.00	12.00	1.99	10.4	12.5	13.5	16.3	17.4	18.5	19.4	20.4	21.9	23.9	24.7	25.4	26.4
347	437	583	879	1734	7.00	14.00	1.99				13.8	14.9	16.0	16.9	17.9	19.5	21.5	22.2	23.0	24.0
347	437	583	879	1734	8.00	16.00	1.99						13.4	14.4	15.4	16.9	19.0	19.8	20.5	21.5
347	437	583	879	1734	9.00	18.00	1.99										16.4	17.2	18.0	19.0
347	437	583	879	1734	10.00	20.00	1.99													16.4
345	435	580	875	1725	12.00	24.00	2.00													
340	429	571	862	1700	4.40	9.00	2.03	14.3	16.3	17.3	20.1	21.1	22.2	23.1	24.1	25.6	27.6	28.4	29.1	30.1
338	426	569	858	1691	3.40	7.00	2.04	16.7	18.7	19.8	22.5	23.5	24.6	25.5	26.5	28.0	30.0	30.8	31.5	32.5
338	426	569	858	1691	3.60	7.40	2.04	16.3	18.3	19.3	22.0	23.0	24.1	25.0	26.0	27.5	29.6	30.3	31.1	32.1
337	424	566	854	1683	3.00	6.20	2.05	17.7	19.7	20.7	23.5	24.5	25.6	26.5	27.5	29.0	31.0	31.7	32.5	33.5
335	422	563	850	1675	5.80	12.00	2.06	10.6	12.6	13.7	16.5	17.5	18.6	19.5	20.5	22.1	24.1	24.8	25.6	26.6
333	420	560	845	1667	4.80	10.00	2.07	13.1	15.2	16.2	19.0	20.0	21.1	22.0	23.0	24.5	26.5	27.3	28.0	29.0
330	416	555	837	1651	3.80	8.00	2.09	15.6	17.6	18.6	21.4	22.4	23.5	24.4	25.4	26.9	28.9	29.7	30.4	31.4

Key to correction factors: 0.8 0.9 1.0

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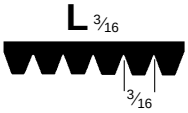

Length Designation and Center Distance, Inches													Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
840	865	915	975	990	1065	1120	1150	1215	1230	1295	1310	1455	Small Sheave	Large Sheave	690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
35.2	36.5	39.0	42.0	42.7	46.5	49.2	50.7	54.0	54.7	58.0	58.7	66.0	3.20	5.40	.74	.89	1.12	1.56	2.55
34.8	36.0	38.5	41.5	42.3	46.0	48.8	50.3	53.5	54.3	57.5	58.3	65.5	3.40	5.80	.82	.99	1.25	1.73	2.86
34.3	35.5	38.0	41.0	41.8	45.5	48.3	49.8	53.0	53.8	57.0	57.8	65.0	3.60	6.20	.90	1.08	1.37	1.91	3.16
27.0	28.2	30.7	33.7	34.5	38.3	41.0	42.5	45.8	46.5	49.8	50.5	57.8	7.00	12.00	2.18	2.65	3.38	4.73	7.52
					22.9	25.7	27.2	30.5	31.3	34.6	35.3	42.6	14.00	24.00	4.57	5.54	6.97	9.28	†
35.5	36.8	39.3	42.3	43.0	46.8	49.6	51.1	54.3	55.1	58.3	59.1	66.3	3.00	5.20	.67	.81	1.03	1.40	2.29
30.8	32.0	34.6	37.6	38.3	42.1	44.8	46.3	49.6	50.3	53.6	54.3	61.6	5.20	9.00	1.52	1.86	2.37	3.31	5.48
29.5	30.8	33.3	36.3	37.0	40.8	43.5	45.0	48.3	49.1	52.3	53.1	60.3	5.80	10.00	1.74	2.13	2.72	3.81	6.23
32.1	33.3	35.8	38.8	39.6	43.3	46.1	47.6	50.8	51.6	54.8	55.6	62.8	4.60	8.00	1.29	1.58	2.01	2.81	4.67
35.1	36.3	38.8	41.8	42.6	46.3	49.1	50.6	53.8	54.6	57.8	58.6	65.8	3.20	5.60	.75	.91	1.15	1.59	2.61
33.3	34.6	37.1	40.1	40.8	44.6	47.3	48.8	52.1	52.8	56.1	56.8	64.1	4.00	7.00	1.06	1.29	1.65	2.29	3.82
24.5	25.8	28.3	31.3	32.1	35.9	38.6	40.1	43.4	44.1	47.4	48.1	55.4	8.00	14.00	2.54	3.11	3.97	5.51	†
34.6	35.8	38.3	41.4	42.1	45.9	48.6	50.1	53.4	54.1	57.4	58.1	65.4	3.40	6.00	.83	1.01	1.28	1.76	2.92
32.9	34.1	36.6	39.6	40.4	44.1	46.9	48.4	51.6	52.4	55.6	56.4	63.6	4.20	7.40	1.14	1.39	1.77	2.47	4.11
34.1	35.4	37.9	40.9	41.6	45.4	48.1	49.6	52.9	53.6	56.9	57.6	64.9	3.60	6.40	.91	1.10	1.40	1.94	3.22
22.1	23.4	25.9	28.9	29.7	33.4	36.2	37.7	41.0	41.7	45.0	45.7	53.0	9.00	16.00	2.90	3.54	4.51	6.24	†
35.4	36.6	39.1	42.1	42.9	46.6	49.4	50.9	54.1	54.9	58.1	58.9	66.1	3.00	5.40	.67	.81	1.03	1.40	2.29
29.7	30.9	33.4	36.4	37.2	40.9	43.7	45.2	48.5	49.2	52.5	53.2	60.5	5.60	10.00	1.67	2.04	2.61	3.64	5.99
30.9	32.2	34.7	37.7	38.5	42.2	45.0	46.5	49.7	50.5	53.7	54.5	61.7	5.00	9.00	1.45	1.76	2.25	3.15	5.21
34.9	36.2	38.7	41.7	42.4	46.2	48.9	50.4	53.7	54.4	57.7	58.4	65.7	3.20	5.80	.75	.91	1.15	1.59	2.61
19.6	20.9	23.4	26.5	27.2	31.0	33.8	35.3	38.6	39.3	42.6	43.3	50.6	10.00	18.00	3.25	3.96	5.04	6.93	†
34.4	35.7	38.2	41.2	41.9	45.7	48.4	49.9	53.2	53.9	57.2	57.9	65.2	3.40	6.20	.83	1.01	1.28	1.76	2.92
32.2	33.5	36.0	39.0	39.7	43.5	46.2	47.7	51.0	51.7	55.0	55.7	63.0	4.40	8.00	1.22	1.48	1.89	2.64	4.39
33.5	34.7	37.2	40.2	41.0	44.7	47.5	49.0	52.2	53.0	56.2	57.0	64.3	3.80	7.00	.98	1.20	1.53	2.12	3.52
33.0	34.3	36.8	39.8	40.5	44.3	47.0	48.5	51.8	52.5	55.8	56.5	63.8	4.00	7.40	1.06	1.29	1.65	2.29	3.82
29.8	31.1	33.6	36.6	37.3	41.1	43.9	45.4	48.6	49.4	52.6	53.4	60.6	5.40	10.00	1.60	1.95	2.49	3.48	5.74
35.2	36.5	39.0	42.0	42.7	46.5	49.2	50.7	54.0	54.7	58.0	58.7	66.0	3.00	5.60	.67	.81	1.03	1.40	2.29
34.7	36.0	38.5	41.5	42.3	46.0	48.8	50.3	53.5	54.3	57.5	58.3	65.5	3.20	6.00	.75	.91	1.15	1.59	2.61
31.1	32.3	34.9	37.9	38.6	42.4	45.1	46.6	49.9	50.6	53.9	54.6	61.9	4.80	9.00	1.37	1.67	2.13	2.98	4.95
34.3	35.5	38.0	41.0	41.8	45.5	48.3	49.8	53.0	53.8	57.0	57.8	65.0	3.40	6.40	.83	1.01	1.28	1.76	2.92
27.4	28.7	31.2	34.2	34.9	38.7	41.5	43.0	46.2	47.0	50.2	51.0	58.2	6.40	12.00	1.97	2.40	3.07	4.29	6.94
25.0	26.2	28.8	31.8	32.5	36.3	39.1	40.6	43.8	44.6	47.8	48.6	55.9	7.40	14.00	2.33	2.85	3.63	5.06	†
32.4	33.6	36.1	39.1	39.9	43.6	46.4	47.9	51.1	51.9	55.1	55.9	63.1	4.20	8.00	1.14	1.39	1.77	2.47	4.11
30.0	31.2	33.7	36.7	37.5	41.2	44.0	45.5	48.8	49.5	52.8	53.5	60.8	5.20	10.00	1.52	1.86	2.37	3.31	5.48
35.1	36.3	38.8	41.8	42.6	46.3	49.1	50.6	53.8	54.6	57.8	58.6	65.8	3.00	5.80	.67	.81	1.03	1.40	2.29
34.6	35.8	38.3	41.3	42.1	45.8	48.6	50.1	53.3	54.1	57.4	58.1	65.4	3.20	6.20	.75	.91	1.15	1.59	2.61
33.6	34.9	37.4	40.4	41.1	44.9	47.6	49.1	52.4	53.2	56.4	57.2	64.4	3.60	7.00	.91	1.10	1.40	1.94	3.22
33.2	34.4	36.9	39.9	40.7	44.4	47.2	48.7	51.9	52.7	55.9	56.7	63.9	3.80	7.40	.98	1.20	1.53	2.12	3.52
27.6	28.8	31.3	34.3	35.1	38.9	41.6	43.1	46.4	47.1	50.4	51.1	58.4	6.20	12.00	1.89	2.31	2.96	4.13	6.71
31.2	32.5	35.0	38.0	38.8	42.5	45.3	46.8	50.0	50.8	54.0	54.8	62.0	4.60	9.00	1.29	1.58	2.01	2.81	4.67
34.9	36.2	38.7	41.7	42.4	46.2	48.9	50.4	53.7	54.4	57.7	58.4	65.7	3.00	6.00	.67	.81	1.03	1.40	2.29
34.4	35.7	38.2	41.2	41.9	45.7	48.4	49.9	53.2	53.9	57.2	57.9	65.2	3.20	6.40	.75	.91	1.15	1.59	2.61
32.5	33.8	36.3	39.3	40.0	43.8	46.5	48.0	51.3	52.0	55.3	56.0	63.3	4.00	8.00	1.06	1.29	1.65	2.29	3.82
30.1	31.4	33.9	36.9	37.6	41.4	44.2	45.7	48.9	49.7	52.9	53.7	60.9	5.00	10.00	1.45	1.76	2.25	3.15	5.21
27.7	29.0	31.5	34.5	35.2	39.0	41.8	43.3	46.5	47.3	50.5	51.3	58.5	6.00	12.00	1.82	2.22	2.84	3.97	6.47
25.3	26.5	29.1	32.1	32.8	36.6	39.4	40.9	44.1	44.9	48.1	48.9	56.2	7.00	14.00	2.19	2.67	3.41	4.76	7.58
22.8	24.1	26.6	29.6	30.4	34.2	36.9	38.5	41.7	42.5	45.7	46.5	53.8	8.00	16.00	2.54	3.11	3.97	5.51	†
20.3	21.6	24.1	27.2	27.9	31.7	34.5	36.0	39.3	40.1	43.3	44.1	51.4	9.00	18.00	2.90	3.54	4.51	6.24	†
17.7	19.0	21.6	24.7	25.5	29.3	32.1	33.6	36.9	37.6	40.9	41.6	48.9	10.00	20.00	3.25	3.96	5.04	6.93	†
			19.6	20.4	24.2	27.1	28.6	31.9	32.7	36.0	36.8	44.1	12.00	24.00	3.92	4.78	6.05	8.20	†
31.4	32.6	35.2	38.2	38.9	42.7	45.4	46.9	50.2	50.9	54.2	54.9	62.2	4.40	9.00	1.22	1.48	1.89	2.64	4.39
33.8	35.0	37.5	40.5	41.3	45.1	47.8	49.3	52.6	53.3	56.6	57.3	64.6	3.40	7.00	.83	1.01	1.28	1.76	2.92
33.3	34.6	37.1	40.1	40.8	44.6	47.3	48.8	52.1	52.8	56.1	56.8	64.1	3.60	7.40	.91	1.10	1.40	1.94	3.22
34.7	36.0	38.5	41.5	42.2	46.0	48.8	50.3	53.5	54.3	57.5	58.3	65.5	3.00	6.20	.67	.81	1.03	1.40	2.29
27.9	29.1	31.6	34.6	35.4	39.2	41.9	43.4	46.7	47.4	50.7	51.4	58.7	5.80	12.00	1.74	2.13	2.72	3.81	6.23
30.3	31.5	34.0	37.0	37.8	41.6	44.3	45.8	49.1	49.8	53.1	53.8	61.1	4.80	10.00	1.37	1.67	2.13	2.98	4.95
32.7	33.9	36.4	39.4	40.2	43.9	46.7	48.2	51.4	52.2	55.4	56.2	63.5	3.80	8.00	.98	1.20	1.53	2.12	3.52

Key to correction factors: 0.9 1.0 1.1

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.

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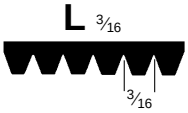

L Section Micro-V® Belt Drive Selection Table

Table No. 33

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches												
690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	500	540	560	615	635	655	675	695	725	765	780	795	815
327	412	550	829	1635	3.00	6.40	2.11	17.5	19.5	20.6	23.3	24.3	25.4	26.3	27.3	28.8	30.8	31.6	32.3	33.3
324	408	545	822	1620	4.20	9.00	2.13	14.4	16.5	17.5	20.2	21.3	22.4	23.3	24.3	25.8	27.8	28.5	29.3	30.3
324	408	545	822	1620	5.60	12.00	2.13	10.7	12.8	13.8	16.6	17.6	18.8	19.7	20.7	22.2	24.2	25.0	25.7	26.7
322	407	542	818	1612	14.00	30.00	2.14													
321	405	540	814	1605	7.40	16.00	2.15					12.7	13.8	14.8	15.8	17.3	19.4	20.2	20.9	22.0
319	403	537	810	1597	3.40	7.40	2.16	16.4	18.4	19.4	22.2	23.2	24.3	25.2	26.2	27.7	29.7	30.5	31.2	32.2
319	403	537	810	1597	4.60	10.00	2.16	13.3	15.3	16.3	19.1	20.1	21.2	22.1	23.1	24.6	26.7	27.4	28.2	29.2
318	401	535	806	1590	3.20	7.00	2.17	16.9	18.9	19.9	22.7	23.7	24.8	25.7	26.7	28.2	30.2	30.9	31.7	32.7
317	399	532	803	1583	6.40	14.00	2.18			11.3	14.2	15.3	16.4	17.3	18.3	19.9	21.9	22.7	23.4	24.4
314	395	527	795	1568	3.60	8.00	2.20	15.7	17.8	18.8	21.5	22.5	23.6	24.5	25.5	27.1	29.1	29.8	30.6	31.6
312	394	525	792	1561	5.40	12.00	2.21	10.8	12.9	14.0	16.8	17.8	18.9	19.8	20.8	22.3	24.4	25.1	25.9	26.9
312	394	525	792	1561	9.00	20.00	2.21												16.0	17.1
309	390	520	785	1547	4.00	9.00	2.23	14.6	16.6	17.6	20.4	21.4	22.5	23.4	24.4	25.9	27.9	28.7	29.4	30.4
308	388	518	781	1540	8.00	18.00	2.24									15.0	17.1	17.9	18.7	19.7
307	387	516	778	1533	6.20	14.00	2.25			11.5	14.4	15.4	16.5	17.5	18.5	20.0	22.0	22.8	23.6	24.6
305	385	513	774	1527	4.40	10.00	2.26	13.4	15.4	16.5	19.2	20.3	21.4	22.3	23.3	24.8	26.8	27.6	28.3	29.3
303	382	509	768	1513	7.00	16.00	2.28					12.9	14.1	15.0	16.1	17.6	19.7	20.4	21.2	22.2
301	380	507	764	1507	3.20	7.40	2.29	16.5	18.6	19.6	22.3	23.3	24.4	25.3	26.3	27.8	29.9	30.6	31.4	32.4
301	380	507	764	1507	5.20	12.00	2.29	11.0	13.1	14.1	16.9	17.9	19.0	20.0	21.0	22.5	24.5	25.3	26.0	27.0
299	377	502	758	1494	3.00	7.00	2.31	17.0	19.0	20.1	22.8	23.8	24.9	25.8	26.8	28.3	30.3	31.1	31.8	32.8
297	375	500	754	1487	6.00	14.00	2.32			11.6	14.5	15.5	16.7	17.6	18.6	20.2	22.2	23.0	23.7	24.7
296	373	498	751	1481	3.40	8.00	2.33	15.9	17.9	18.9	21.7	22.7	23.8	24.7	25.7	27.2	29.2	30.0	30.7	31.7
294	370	494	745	1468	3.80	9.00	2.35	14.7	16.8	17.8	20.5	21.5	22.7	23.6	24.6	26.1	28.1	28.8	29.6	30.6
292	369	492	742	1462	4.20	10.00	2.36	13.5	15.6	16.6	19.4	20.4	21.5	22.4	23.4	24.9	26.9	27.7	28.5	29.5
290	366	487	735	1450	5.00	12.00	2.38	11.1	13.2	14.2	17.0	18.1	19.2	20.1	21.1	22.6	24.7	25.4	26.2	27.2
289	364	485	732	1444	10.00	24.00	2.39													
288	363	483	729	1438	5.80	14.00	2.40			11.7	14.6	15.7	16.8	17.7	18.8	20.3	22.3	23.1	23.9	24.9
285	360	479	723	1426	7.40	18.00	2.42								13.8	15.4	17.5	18.3	19.1	20.1
283	357	475	717	1414	3.00	7.40	2.44	16.7	18.7	19.7	22.5	23.5	24.6	25.5	26.5	28.0	30.0	30.8	31.5	32.5
279	352	470	709	1397	3.20	8.00	2.47	16.0	18.0	19.1	21.8	22.8	23.9	24.8	25.8	27.4	29.4	30.1	30.9	31.9
278	351	468	706	1391	3.60	9.00	2.48	14.9	16.9	17.9	20.7	21.7	22.8	23.7	24.7	26.2	28.2	29.0	29.7	30.7
278	351	468	706	1391	4.00	10.00	2.48	13.7	15.7	16.7	19.5	20.5	21.7	22.6	23.6	25.1	27.1	27.8	28.6	29.6
278	351	468	706	1391	4.80	12.00	2.48	11.2	13.3	14.4	17.2	18.2	19.3	20.2	21.3	22.8	24.8	25.6	26.3	27.3
278	351	468	706	1391	5.60	14.00	2.48		10.8	11.9	14.8	15.8	16.9	17.9	18.9	20.4	22.5	23.2	24.0	25.0
277	349	466	703	1386	6.40	16.00	2.49				12.2	13.3	14.5	15.4	16.5	18.0	20.1	20.9	21.6	22.7
277	349	466	703	1386	8.00	20.00	2.49										15.1	15.9	16.7	17.8
277	349	466	703	1386	12.00	30.00	2.49													
270	340	453	684	1348	7.00	18.00	2.56								14.0	15.7	17.8	18.6	19.3	20.4
268	339	451	681	1342	6.20	16.00	2.57				12.4	13.4	14.6	15.6	16.6	18.2	20.2	21.0	21.8	22.8
267	337	450	678	1337	5.40	14.00	2.58		10.9	12.0	14.9	15.9	17.1	18.0	19.0	20.6	22.6	23.4	24.1	25.2
266	336	448	676	1332	4.60	12.00	2.59	11.4	13.5	14.5	17.3	18.3	19.5	20.4	21.4	22.9	24.9	25.7	26.5	27.5
264	333	444	670	1322	3.80	10.00	2.61	13.8	15.9	16.9	19.7	20.7	21.8	22.7	23.7	25.2	27.2	28.0	28.7	29.8
263	332	443	668	1317	3.40	9.00	2.62	15.0	17.0	18.0	20.8	21.8	22.9	23.9	24.9	26.4	28.4	29.1	29.9	30.9
261	330	439	663	1307	3.00	8.00	2.64	16.2	18.2	19.2	22.0	23.0	24.1	25.0	26.0	27.5	29.5	30.3	31.0	32.0
260	328	438	660	1302	6.00	16.00	2.65				12.5	13.6	14.7	15.7	16.7	18.3	20.4	21.1	21.9	22.9
259	327	436	658	1297	9.00	24.00	2.66													
258	326	434	655	1292	5.20	14.00	2.67		11.1	12.1	15.0	16.1	17.2	18.1	19.2	20.7	22.8	23.5	24.3	25.3
257	323	431	651	1283	7.40	20.00	2.69										15.5	16.3	17.1	18.1
256	322	430	648	1278	4.40	12.00	2.70	11.5	13.6	14.6	17.5	18.5	19.6	20.5	21.5	23.1	25.1	25.8	26.6	27.6
252	318	423	639	1259	5.80	16.00	2.74				12.6	13.7	14.9	15.8	16.9	18.4	20.5	21.3	22.0	23.1
251	316	422	636	1255	3.60	10.00	2.75	14.0	16.0	17.0	19.8	20.8	21.9	22.8	23.9	25.4	27.4	28.1	28.9	29.9
248	313	417	629	1241	3.20	9.00	2.78	15.1	17.2	18.2	21.0	22.0	23.1	24.0	25.0	26.5	28.5	29.3	30.0	31.0
248	313	417	629	1241	5.00	14.00	2.78		11.2	12.3	15.2	16.2	17.4	18.3	19.3	20.8	22.9	23.7	24.4	25.4
246	311	414	625	1232	6.40	18.00	2.80							13.3	14.4	16.0	18.2	19.0	19.7	20.8
244	307	410	618	1219	4.20	12.00	2.83	11.6	13.7	14.8	17.6	18.6	19.7	20.7	21.7	23.2	25.2	26.0	26.7	27.8
243	306	408	616	1215	5.60	16.00	2.84				12.7	13.8	15.0	15.9	17.0	18.6	20.6	21.4	22.2	23.2
243	306	408	616	1215	7.00	20.00	2.84										15.7	16.5	17.3	18.4

Key to correction factors: 0.8 0.9 1.0

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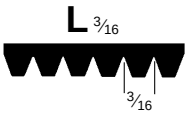

Length Designation and Center Distance, Inches														Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio)				
																RPM of Small Sheave				
840	865	915	975	990	1065	1120	1150	1215	1230	1295	1310	1455		Small Sheave	Large Sheave	690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
34.6	35.8	38.3	41.3	42.1	45.8	48.6	50.1	53.3	54.1	57.3	58.1	65.3		3.00	6.40	.67	.81	1.03	1.40	2.29
31.5	32.8	35.3	38.3	39.1	42.8	45.6	47.1	50.3	51.1	54.3	55.1	62.3		4.20	9.00	1.14	1.39	1.77	2.47	4.11
28.0	29.3	31.8	34.8	35.5	39.3	42.1	43.6	46.8	47.6	50.8	51.6	58.8		5.60	12.00	1.67	2.04	2.61	3.64	5.99
								24.9	25.7	29.1	29.9	37.4		14.00	30.00	4.58	5.56	7.00	9.31	†
23.2	24.5	27.0	30.1	30.8	34.6	37.4	38.9	42.2	42.9	46.2	46.9	54.2		7.40	16.00	2.33	2.85	3.63	5.06	†
33.5	34.7	37.2	40.2	41.0	44.7	47.5	49.0	52.2	53.0	56.2	57.0	64.2		3.40	7.40	.83	1.01	1.28	1.76	2.92
30.4	31.7	34.2	37.2	37.9	41.7	44.5	46.0	49.2	50.0	53.2	54.0	61.2		4.60	10.00	1.29	1.58	2.01	2.81	4.67
33.9	35.2	37.7	40.7	41.4	45.2	48.0	49.5	52.7	53.5	56.7	57.5	64.7		3.20	7.00	.75	.91	1.15	1.59	2.61
25.7	27.0	29.5	32.5	33.3	37.0	39.8	41.3	44.6	45.3	48.6	49.3	56.6		6.40	14.00	1.97	2.40	3.07	4.29	6.94
32.8	34.1	36.6	39.6	40.3	44.1	46.8	48.3	51.6	52.3	55.6	56.4	63.6		3.60	8.00	.91	1.10	1.40	1.94	3.22
28.1	29.4	31.9	34.9	35.7	39.5	42.2	43.7	47.0	47.7	51.0	51.7	59.0		5.40	12.00	1.60	1.95	2.49	3.48	5.74
18.4	19.7	22.3	25.4	26.2	30.0	32.8	34.3	37.6	38.3	41.6	42.4	49.7		9.00	20.00	2.90	3.54	4.51	6.24	†
31.7	33.0	35.5	38.5	39.2	43.0	45.7	47.2	50.5	51.2	54.5	55.2	62.5		4.00	9.00	1.06	1.29	1.65	2.29	3.82
21.0	22.3	24.8	27.9	28.7	32.5	35.2	36.7	40.0	40.8	44.1	44.8	52.1		8.00	18.00	2.54	3.11	3.97	5.51	†
25.8	27.1	29.6	32.7	33.4	37.2	40.0	41.5	44.7	45.5	48.7	49.5	56.8		6.20	14.00	1.89	2.31	2.96	4.13	6.71
30.6	31.8	34.3	37.3	38.1	41.9	44.6	46.1	49.4	50.1	53.4	54.1	61.4		4.40	10.00	1.22	1.48	1.89	2.64	4.39
23.5	24.8	27.3	30.4	31.1	34.9	37.7	39.2	42.5	43.2	46.5	47.2	54.5		7.00	16.00	2.19	2.67	3.41	4.76	7.58
33.6	34.9	37.4	40.4	41.1	44.9	47.6	49.1	52.4	53.1	56.4	57.1	64.4		3.20	7.40	.75	.91	1.15	1.59	2.61
28.3	29.6	32.1	35.1	35.8	39.6	42.4	43.9	47.1	47.9	51.1	51.9	59.2		5.20	12.00	1.52	1.86	2.37	3.31	5.48
34.1	35.3	37.8	40.9	41.6	45.4	48.1	49.6	52.9	53.6	56.9	57.6	64.9		3.00	7.00	.67	.81	1.03	1.40	2.29
26.0	27.3	29.8	32.8	33.6	37.3	40.1	41.6	44.9	45.6	48.9	49.6	56.9		6.00	14.00	1.84	2.24	2.86	4.01	6.54
33.0	34.2	36.7	39.7	40.5	44.2	47.0	48.5	51.7	52.5	55.8	56.5	63.8		3.40	8.00	.85	1.03	1.30	1.80	2.99
31.8	33.1	35.6	38.6	39.4	43.1	45.9	47.4	50.6	51.4	54.6	55.4	62.6		3.80	9.00	1.00	1.22	1.55	2.16	3.59
30.7	32.0	34.5	37.5	38.2	42.0	44.8	46.3	49.5	50.3	53.5	54.3	61.5		4.20	10.00	1.16	1.41	1.79	2.51	4.18
28.4	29.7	32.2	35.2	36.0	39.8	42.5	44.0	47.3	48.0	51.3	52.0	59.3		5.00	12.00	1.47	1.78	2.27	3.19	5.28
			20.9	21.7	25.6	28.4	30.0	33.3	34.1	37.4	38.2	45.5		10.00	24.00	3.27	3.98	5.06	6.97	†
26.1	27.4	29.9	33.0	33.7	37.5	40.2	41.8	45.0	45.8	49.0	49.8	57.1		5.80	14.00	1.76	2.15	2.74	3.85	6.30
21.4	22.7	25.3	28.3	29.1	32.9	35.7	37.2	40.5	41.2	44.5	45.3	52.5		7.40	18.00	2.35	2.87	3.65	5.10	†
33.8	35.0	37.5	40.5	41.3	45.0	47.8	49.3	52.5	53.3	56.5	57.3	64.5		3.00	7.40	.69	.83	1.05	1.44	2.36
33.1	34.4	36.9	39.9	40.6	44.4	47.1	48.6	51.9	52.7	55.9	56.7	63.9		3.20	8.00	.77	.93	1.17	1.63	2.68
32.0	33.2	35.8	38.8	39.5	43.3	46.0	47.5	50.8	51.5	54.8	55.5	62.8		3.60	9.00	.93	1.12	1.42	1.98	3.29
30.9	32.1	34.6	37.6	38.4	42.2	44.9	46.4	49.7	50.4	53.7	54.4	61.7		4.00	10.00	1.08	1.31	1.67	2.33	3.89
28.6	29.8	32.4	35.4	36.1	39.9	42.7	44.2	47.4	48.2	51.4	52.2	59.5		4.80	12.00	1.39	1.69	2.15	3.02	5.02
26.3	27.5	30.1	33.1	33.9	37.6	40.4	41.9	45.2	45.9	49.2	49.9	57.2		5.60	14.00	1.69	2.06	2.63	3.68	6.06
23.9	25.2	27.8	30.8	31.6	35.3	38.1	39.6	42.9	43.7	46.9	47.7	55.0		6.40	16.00	1.99	2.42	3.09	4.33	7.01
19.1	20.4	23.0	26.1	26.8	30.7	33.5	35.0	38.3	39.1	42.3	43.1	50.4		8.00	20.00	2.56	3.13	3.99	5.55	†
							22.7	26.2	27.0	30.4	31.2	38.7		12.00	30.00	3.94	4.80	6.07	8.24	†
21.7	23.0	25.5	28.6	29.4	33.2	36.0	37.5	40.8	41.5	44.8	45.5	52.8		7.00	18.00	2.21	2.69	3.43	4.80	7.65
24.1	25.3	27.9	30.9	31.7	35.5	38.3	39.8	43.0	43.8	47.1	47.8	55.1		6.20	16.00	1.91	2.33	2.98	4.17	6.78
26.4	27.7	30.2	33.2	34.0	37.8	40.5	42.1	45.3	46.1	49.3	50.1	57.4		5.40	14.00	1.62	1.97	2.51	3.52	5.81
28.7	30.0	32.5	35.5	36.3	40.0	42.8	44.3	47.6	48.3	51.6	52.3	59.6		4.60	12.00	1.31	1.60	2.03	2.85	4.74
31.0	32.3	34.8	37.8	38.5	42.3	45.1	46.6	49.8	50.6	53.8	54.6	61.8		3.80	10.00	1.00	1.22	1.55	2.16	3.59
32.1	33.4	35.9	38.9	39.7	43.4	46.2	47.7	50.9	51.7	54.9	55.7	63.0		3.40	9.00	.85	1.03	1.30	1.80	2.99
33.3	34.5	37.0	40.0	40.8	44.5	47.3	48.8	52.1	52.8	56.1	56.8	64.1		3.00	8.00	.69	.83	1.05	1.44	2.36
24.2	25.5	28.0	31.1	31.8	35.6	38.4	39.9	43.2	43.9	47.2	48.0	55.3		6.00	16.00	1.84	2.24	2.86	4.01	6.54
		18.3	21.5	22.3	26.3	29.1	30.7	34.0	34.8	38.1	38.9	46.2		9.00	24.00	2.92	3.56	4.53	6.28	†
26.6	27.8	30.4	33.4	34.1	37.9	40.7	42.2	45.5	46.2	49.5	50.2	57.5		5.20	14.00	1.54	1.88	2.39	3.35	5.55
19.5	20.8	23.4	26.5	27.3	31.1	33.9	35.4	38.7	39.5	42.8	43.5	50.9		7.40	20.00	2.35	2.87	3.65	5.10	†
28.9	30.1	32.7	35.7	36.4	40.2	43.0	44.5	47.7	48.5	51.7	52.5	59.8		4.40	12.00	1.24	1.50	1.91	2.68	4.46
24.4	25.6	28.2	31.2	32.0	35.8	38.5	40.1	43.3	44.1	47.4	48.1	55.4		5.80	16.00	1.76	2.15	2.74	3.85	6.30
31.2	32.4	34.9	37.9	38.7	42.5	45.2	46.7	50.0	50.7	54.0	54.7	62.0		3.60	10.00	.93	1.12	1.42	1.98	3.29
32.3	33.5	36.1	39.1	39.8	43.6	46.3	47.8	51.1	51.8	55.1	55.8	63.1		3.20	9.00	.77	.93	1.17	1.63	2.68
26.7	28.0	30.5	33.5	34.3	38.1	40.8	42.3	45.6	46.4	49.6	50.4	57.7		5.00	14.00	1.47	1.78	2.27	3.19	5.28
22.1	23.4	25.9	29.0	29.8	33.6	36.4	37.9	41.2	41.9	45.2	46.0	53.3		6.40	18.00	1.99	2.42	3.09	4.33	7.01
29.0	30.3	32.8	35.8	36.6	40.3	43.1	44.6	47.9	48.6	51.9	52.6	59.9		4.20	12.00	1.16	1.41	1.79	2.51	4.18
24.5	25.8	28.3	31.4	32.1	35.9	38.7	40.2	43.5	44.2	47.5	48.3	55.6		5.60	16.00	1.69	2.06	2.63	3.68	6.06
19.7	21.1	23.7	26.8	27.5	31.4	34.2	35.7	39.0	39.8	43.1	43.8	51.1		7.00	20.00	2.21	2.69	3.43	4.80	7.65

Key to correction factors: 0.9 1.0 1.1

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.

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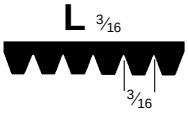

Micro-V®

L Section Micro-V® Belt Drive Selection Table

Table No. 33

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches											
690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave	Speed Ratio	500	540	560	615	635	655	675	695	725	765	780	795	815
239	301	401	606	1194	4.80	14.00	2.89		11.3	12.4	15.3	16.3	17.5	18.4	19.4	21.0	23.0	23.8	24.6	25.6
239	301	401	606	1194	6.20	18.00	2.89							13.5	14.6	16.2	18.3	19.1	19.9	20.9
237	299	399	601	1186	3.40	10.00	2.91	14.1	16.1	17.2	20.0	21.0	22.1	23.0	24.0	25.5	27.5	28.3	29.0	30.0
235	296	395	595	1173	5.40	16.00	2.94				12.9	13.9	15.1	16.1	17.1	18.7	20.8	21.5	22.3	23.3
233	294	392	591	1166	3.00	9.00	2.96	15.3	17.3	18.3	21.1	22.1	23.2	24.1	25.2	26.7	28.7	29.4	30.2	31.2
232	293	391	589	1162	4.00	12.00	2.97	11.8	13.9	14.9	17.7	18.8	19.9	20.8	21.8	23.3	25.4	26.1	26.9	27.9
232	292	389	587	1158	6.00	18.00	2.98							13.6	14.7	16.3	18.4	19.2	20.0	21.1
231	291	388	585	1154	8.00	24.00	2.99													
231	291	388	585	1154	10.00	30.00	2.99													
228	288	384	579	1142	4.60	14.00	3.02		11.4	12.5	15.4	16.5	17.6	18.6	19.6	21.1	23.2	23.9	24.7	25.7
226	285	380	574	1131	5.20	16.00	3.05				13.0	14.1	15.3	16.2	17.3	18.8	20.9	21.7	22.5	23.5
224	282	377	568	1120	5.80	18.00	3.08							13.7	14.8	16.4	18.6	19.4	20.1	21.2
223	282	375	566	1117	3.20	10.00	3.09	14.2	16.3	17.3	20.1	21.1	22.2	23.1	24.1	25.7	27.7	28.4	29.2	30.2
222	280	373	563	1109	6.40	20.00	3.11										16.1	16.9	17.7	18.8
220	278	371	559	1102	3.80	12.00	3.13	11.9	14.0	15.0	17.9	18.9	20.0	20.9	22.0	23.5	25.5	26.3	27.0	28.0
219	276	368	556	1095	4.40	14.00	3.15		11.6	12.6	15.6	16.6	17.8	18.7	19.7	21.3	23.3	24.1	24.8	25.9
218	274	366	552	1088	5.00	16.00	3.17				13.1	14.2	15.4	16.3	17.4	19.0	21.0	21.8	22.6	23.6
216	273	364	549	1082	5.60	18.00	3.19						12.8	13.8	14.9	16.6	18.7	19.5	20.3	21.3
215	271	361	545	1075	6.20	20.00	3.21										16.2	17.0	17.8	18.9
214	269	359	542	1068	7.40	24.00	3.23													
210	264	353	532	1049	3.00	10.00	3.29	14.4	16.4	17.4	20.2	21.3	22.4	23.3	24.3	25.8	27.8	28.6	29.3	30.3
209	264	352	530	1045	3.60	12.00	3.30	12.0	14.1	15.2	18.0	19.0	20.2	21.1	22.1	23.6	25.7	26.4	27.2	28.2
209	264	352	530	1045	4.20	14.00	3.30		11.7	12.8	15.7	16.7	17.9	18.8	19.9	21.4	23.5	24.2	25.0	26.0
208	263	350	529	1042	4.80	16.00	3.31				13.2	14.3	15.5	16.5	17.5	19.1	21.2	22.0	22.7	23.8
208	263	350	529	1042	5.40	18.00	3.31						12.9	14.0	15.1	16.7	18.8	19.6	20.4	21.5
208	263	350	529	1042	6.00	20.00	3.31									14.1	16.3	17.2	18.0	19.1
208	262	349	527	1039	9.00	30.00	3.32													
202	255	340	513	1012	7.00	24.00	3.41													
202	254	339	512	1009	5.80	20.00	3.42									14.2	16.5	17.3	18.1	19.2
201	254	338	510	1006	5.20	18.00	3.43						13.1	14.1	15.2	16.8	19.0	19.8	20.5	21.6
200	252	336	507	1000	4.60	16.00	3.45				13.4	14.5	15.6	16.6	17.7	19.2	21.3	22.1	22.9	23.9
199	251	335	506	997	4.00	14.00	3.46		11.8	12.9	15.8	16.9	18.0	19.0	20.0	21.5	23.6	24.4	25.1	26.1
198	249	332	501	989	3.40	12.00	3.49	12.2	14.3	15.3	18.2	19.2	20.3	21.2	22.2	23.8	25.8	26.6	27.3	28.3
194	245	327	493	972	5.60	20.00	3.55									14.3	16.6	17.4	18.2	19.3
193	244	325	490	966	5.00	18.00	3.57						13.2	14.2	15.3	16.9	19.1	19.9	20.7	21.7
192	242	322	486	958	4.40	16.00	3.60				13.5	14.6	15.8	16.7	17.8	19.4	21.5	22.2	23.0	24.0
190	239	319	481	948	3.80	14.00	3.64		11.9	13.0	16.0	17.0	18.2	19.1	20.1	21.7	23.7	24.5	25.3	26.3
188	237	316	477	940	5.40	20.00	3.67									14.5	16.7	17.5	18.4	19.4
186	235	314	473	932	3.20	12.00	3.70	12.3	14.4	15.4	18.3	19.3	20.4	21.4	22.4	23.9	25.9	26.7	27.5	28.5
185	234	312	470	927	4.80	18.00	3.72						13.3	14.3	15.4	17.1	19.2	20.0	20.8	21.9
185	233	311	469	925	6.40	24.00	3.73													
185	233	311	469	925	8.00	30.00	3.73													
183	231	308	464	915	4.20	16.00	3.77				13.6	14.7	15.9	16.9	17.9	19.5	21.6	22.4	23.1	24.2
181	228	304	459	906	5.20	20.00	3.81									14.6	16.8	17.7	18.5	19.6
180	227	302	456	898	3.60	14.00	3.84	9.8	12.1	13.2	16.1	17.1	18.3	19.2	20.3	21.8	23.9	24.6	25.4	26.4
180	227	302	456	898	6.20	24.00	3.84													
178	224	299	451	889	4.60	18.00	3.88						13.4	14.5	15.6	17.2	19.3	20.1	20.9	22.0
175	221	294	444	876	3.00	12.00	3.94	12.4	14.5	15.6	18.4	19.5	20.6	21.5	22.5	24.1	26.1	26.8	27.6	28.6
174	220	293	442	871	4.00	16.00	3.96				13.7	14.8	16.0	17.0	18.1	19.6	21.7	22.5	23.3	24.3
174	219	292	441	869	5.00	20.00	3.97									14.7	17.0	17.8	18.6	19.7
174	219	292	441	869	6.00	24.00	3.97													
171	216	288	434	856	7.40	30.00	4.03													
170	215	286	432	852	4.40	18.00	4.05					12.3	13.6	14.6	15.7	17.3	19.5	20.3	21.1	22.1
170	214	285	430	848	3.40	14.00	4.07	9.9	12.2	13.3	16.2	17.3	18.4	19.4	20.4	22.0	24.0	24.8	25.5	26.6
168	212	282	426	839	5.80	24.00	4.11													
167	211	281	424	835	4.80	20.00	4.13									14.8	17.1	17.9	18.7	19.8

Key to correction factors: 0.7 0.8 0.9 1.0

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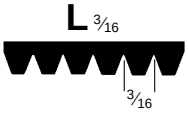

Length Designation and Center Distance, Inches													Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
840	865	915	975	990	1065	1120	1150	1215	1230	1295	1310	1455	Small Sheave	Large Sheave	690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
26.8	28.1	30.6	33.7	34.4	38.2	41.0	42.5	45.8	46.5	49.8	50.5	57.8	4.80	14.00	1.39	1.69	2.15	3.02	5.02
22.2	23.5	26.1	29.2	29.9	33.7	36.5	38.0	41.3	42.1	45.4	46.1	53.4	6.20	18.00	1.91	2.33	2.98	4.17	6.78
31.3	32.6	35.1	38.1	38.8	42.6	45.4	46.9	50.1	50.9	54.1	54.9	62.1	3.40	10.00	.85	1.03	1.30	1.80	2.99
24.6	25.9	28.5	31.5	32.3	36.1	38.8	40.4	43.6	44.4	47.7	48.4	55.7	5.40	16.00	1.62	1.97	2.51	3.52	5.81
32.4	33.7	36.2	39.2	40.0	43.7	46.5	48.0	51.2	52.0	55.2	56.0	63.3	3.00	9.00	.69	.83	1.05	1.44	2.36
29.2	30.4	32.9	36.0	36.7	40.5	43.3	44.8	48.0	48.8	52.0	52.8	60.1	4.00	12.00	1.08	1.31	1.67	2.33	3.89
22.4	23.6	26.2	29.3	30.1	33.9	36.7	38.2	41.5	42.2	45.5	46.3	53.6	6.00	18.00	1.84	2.24	2.86	4.01	6.54
		18.9	22.2	23.0	26.9	29.8	31.4	34.7	35.5	38.8	39.6	46.9	8.00	24.00	2.56	3.13	3.99	5.55	†
						22.4	24.0	27.5	28.3	31.8	32.6	40.1	10.00	30.00	3.27	3.98	5.06	6.97	†
27.0	28.3	30.8	33.8	34.6	38.4	41.1	42.6	45.9	46.7	49.9	50.7	58.0	4.60	14.00	1.31	1.60	2.03	2.85	4.74
24.8	26.0	28.6	31.6	32.4	36.2	39.0	40.5	43.8	44.5	47.8	48.6	55.8	5.20	16.00	1.54	1.88	2.39	3.35	5.55
22.5	23.8	26.4	29.4	30.2	34.0	36.8	38.3	41.6	42.4	45.7	46.4	53.7	5.80	18.00	1.76	2.15	2.74	3.85	6.30
31.5	32.7	35.2	38.2	39.0	42.8	45.5	47.0	50.3	51.0	54.3	55.0	62.3	3.20	10.00	.77	.93	1.17	1.63	2.68
20.1	21.4	24.1	27.2	27.9	31.8	34.6	36.1	39.4	40.2	43.5	44.3	51.6	6.40	20.00	1.99	2.42	3.09	4.33	7.01
29.3	30.6	33.1	36.1	36.9	40.6	43.4	44.9	48.2	48.9	52.2	52.9	60.2	3.80	12.00	1.00	1.22	1.55	2.16	3.59
27.1	28.4	30.9	34.0	34.7	38.5	41.3	42.8	46.1	46.8	50.1	50.8	58.1	4.40	14.00	1.24	1.50	1.91	2.68	4.46
24.9	26.2	28.7	31.8	32.6	36.3	39.1	40.6	43.9	44.7	47.9	48.7	56.0	5.00	16.00	1.47	1.78	2.27	3.19	5.28
22.6	23.9	26.5	29.6	30.3	34.2	37.0	38.5	41.8	42.5	45.8	46.6	53.9	5.60	18.00	1.69	2.06	2.63	3.68	6.06
20.3	21.6	24.2	27.3	28.1	31.9	34.7	36.3	39.6	40.3	43.6	44.4	51.7	6.20	20.00	1.91	2.33	2.98	4.17	6.78
		19.3	22.6	23.4	27.3	30.2	31.8	35.1	35.9	39.2	40.0	47.4	7.40	24.00	2.35	2.87	3.65	5.10	†
31.6	32.9	35.4	38.4	39.1	42.9	45.7	47.2	50.4	51.2	54.4	55.2	62.4	3.00	10.00	.69	.83	1.05	1.44	2.36
29.5	30.7	33.2	36.3	37.0	40.8	43.6	45.1	48.3	49.1	52.3	53.1	60.4	3.60	12.00	.93	1.12	1.42	1.98	3.29
27.3	28.5	31.1	34.1	34.9	38.7	41.4	42.9	46.2	47.0	50.2	51.0	58.3	4.20	14.00	1.16	1.41	1.79	2.51	4.18
25.0	26.3	28.9	31.9	32.7	36.5	39.3	40.8	44.1	44.8	48.1	48.9	56.1	4.80	16.00	1.39	1.69	2.15	3.02	5.02
22.8	24.1	26.6	29.7	30.5	34.3	37.1	38.6	41.9	42.7	45.9	46.7	54.0	5.40	18.00	1.62	1.97	2.51	3.52	5.81
20.4	21.7	24.3	27.4	28.2	32.1	34.9	36.4	39.7	40.5	43.8	44.5	51.9	6.00	20.00	1.84	2.24	2.86	4.01	6.54
						23.0	24.6	28.2	29.0	32.4	33.2	40.8	9.00	30.00	2.92	3.56	4.53	6.28	†
	16.8	19.6	22.8	23.6	27.6	30.5	32.0	35.4	36.2	39.5	40.3	47.7	7.00	24.00	2.21	2.69	3.43	4.80	7.65
20.5	21.8	24.5	27.6	28.4	32.2	35.0	36.6	39.9	40.6	43.9	44.7	52.0	5.80	20.00	1.76	2.15	2.74	3.85	6.30
22.9	24.2	26.8	29.9	30.6	34.4	37.2	38.8	42.1	42.8	46.1	46.9	54.2	5.20	18.00	1.54	1.88	2.39	3.35	5.55
25.2	26.5	29.0	32.1	32.8	36.6	39.4	40.9	44.2	45.0	48.2	49.0	56.3	4.60	16.00	1.31	1.60	2.03	2.85	4.74
27.4	28.7	31.2	34.3	35.0	38.8	41.6	43.1	46.4	47.1	50.4	51.1	58.4	4.00	14.00	1.08	1.31	1.67	2.33	3.89
29.6	30.9	33.4	36.4	37.2	40.9	43.7	45.2	48.5	49.2	52.5	53.2	60.5	3.40	12.00	.85	1.03	1.30	1.80	2.99
20.6	22.0	24.6	27.7	28.5	32.4	35.2	36.7	40.0	40.8	44.1	44.8	52.2	5.60	20.00	1.69	2.06	2.63	3.68	6.06
23.0	24.3	26.9	30.0	30.8	34.6	37.4	38.9	42.2	43.0	46.2	47.0	54.3	5.00	18.00	1.47	1.78	2.27	3.19	5.28
25.3	26.6	29.2	32.2	33.0	36.8	39.6	41.1	44.4	45.1	48.4	49.1	56.4	4.40	16.00	1.24	1.50	1.91	2.68	4.46
27.6	28.8	31.4	34.4	35.2	38.9	41.7	43.2	46.5	47.3	50.5	51.3	58.6	3.80	14.00	1.00	1.22	1.55	2.16	3.59
20.8	22.1	24.7	27.9	28.6	32.5	35.3	36.8	40.1	40.9	44.2	45.0	52.3	5.40	20.00	1.62	1.97	2.51	3.52	5.81
29.7	31.0	33.5	36.6	37.3	41.1	43.8	45.4	48.6	49.4	52.6	53.4	60.7	3.20	12.00	.77	.93	1.17	1.63	2.68
23.2	24.5	27.0	30.1	30.9	34.7	37.5	39.0	42.3	43.1	46.4	47.1	54.5	4.80	18.00	1.39	1.69	2.15	3.02	5.02
	17.1	19.9	23.2	24.0	28.0	30.9	32.4	35.8	36.6	39.9	40.7	48.1	6.40	24.00	1.99	2.42	3.09	4.33	7.01
					20.5	23.6	25.3	28.8	29.6	33.1	33.9	41.5	8.00	30.00	2.56	3.13	3.99	5.55	†
25.5	26.7	29.3	32.4	33.1	36.9	39.7	41.2	44.5	45.3	48.5	49.3	56.6	4.20	16.00	1.16	1.41	1.79	2.51	4.18
20.9	22.2	24.9	28.0	28.8	32.6	35.4	37.0	40.3	41.1	44.4	45.1	52.4	5.20	20.00	1.54	1.88	2.39	3.35	5.55
27.7	29.0	31.5	34.5	35.3	39.1	41.9	43.4	46.6	47.4	50.7	51.4	58.7	3.60	14.00	.93	1.12	1.42	1.98	3.29
	17.2	20.1	23.3	24.2	28.1	31.0	32.6	35.9	36.7	40.1	40.8	48.2	6.20	24.00	1.91	2.33	2.98	4.17	6.78
23.3	24.6	27.2	30.3	31.0	34.9	37.7	39.2	42.5	43.2	46.5	47.3	54.6	4.60	18.00	1.31	1.60	2.03	2.85	4.74
29.9	31.1	33.7	36.7	37.5	41.2	44.0	45.5	48.8	49.5	52.8	53.5	60.8	3.00	12.00	.69	.83	1.05	1.44	2.36
25.6	26.9	29.4	32.5	33.3	37.1	39.8	41.4	44.6	45.4	48.7	49.4	56.7	4.00	16.00	1.08	1.31	1.67	2.33	3.89
21.0	22.4	25.0	28.1	28.9	32.8	35.6	37.1	40.4	41.2	44.5	45.3	52.6	5.00	20.00	1.47	1.78	2.27	3.19	5.28
	17.4	20.2	23.5	24.3	28.3	31.1	32.7	36.1	36.9	40.2	41.0	48.4	6.00	24.00	1.84	2.24	2.86	4.01	6.54
					20.8	24.0	25.7	29.2	30.0	33.5	34.3	41.9	7.40	30.00	2.35	2.87	3.65	5.10	†
23.4	24.7	27.3	30.4	31.2	35.0	37.8	39.3	42.6	43.4	46.7	47.4	54.7	4.40	18.00	1.24	1.50	1.91	2.68	4.46
27.8	29.1	31.6	34.7	35.4	39.2	42.0	43.5	46.8	47.5	50.8	51.6	58.9	3.40	14.00	.85	1.03	1.30	1.80	2.99
	17.5	20.3	23.6	24.4	28.4	31.3	32.8	36.2	37.0	40.3	41.1	48.5	5.80	24.00	1.76	2.15	2.74	3.85	6.30
21.2	22.5	25.1	28.3	29.0	32.9	35.7	37.3	40.6	41.3	44.6	45.4	52.7	4.80	20.00	1.39	1.69	2.15	3.02	5.02

Key to correction factors: 0.8 0.9 1.0 1.1

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.

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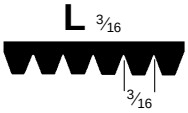

L Section Micro-V® Belt Drive Selection Table

Table No. 33

DriveN Speed For Motor Speed of					Sheave Outside Diameters		Speed Ratio	Length Designation and Center Distance, Inches												
690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM	Small Sheave	Large Sheave		500	540	560	615	635	655	675	695	725	765	780	795	815
166	209	279	421	829	3.80	16.00	4.16				13.9	15.0	16.2	17.1	18.2	19.8	21.9	22.6	23.4	24.4
163	205	274	413	814	4.20	18.00	4.24					12.4	13.7	14.7	15.8	17.5	19.6	20.4	21.2	22.3
162	205	273	412	812	5.60	24.00	4.25													
162	204	272	411	810	7.00	30.00	4.26													
160	202	269	406	800	3.20	14.00	4.31	10.0	12.3	13.4	16.4	17.4	18.6	19.5	20.5	22.1	24.1	24.9	25.7	26.7
160	202	269	406	800	4.60	20.00	4.31									15.0	17.2	18.0	18.9	20.0
157	198	264	399	786	3.60	16.00	4.39			10.8	14.0	15.1	16.3	17.2	18.3	19.9	22.0	22.8	23.5	24.6
156	197	263	397	782	5.40	24.00	4.41													
155	196	261	393	775	4.00	18.00	4.45					12.5	13.8	14.8	15.9	17.6	19.7	20.5	21.3	22.4
153	193	258	389	767	4.40	20.00	4.50								13.3	15.1	17.3	18.2	19.0	20.1
151	190	253	382	753	5.20	24.00	4.58													
150	189	252	380	750	3.00	14.00	4.60	10.2	12.4	13.5	16.5	17.5	18.7	19.6	20.7	22.2	24.3	25.1	25.8	26.8
149	188	250	377	744	3.40	16.00	4.64			11.0	14.1	15.2	16.4	17.4	18.4	20.0	22.1	22.9	23.7	24.7
148	187	249	376	742	6.40	30.00	4.65													
147	186	248	374	737	3.80	18.00	4.68					12.6	13.9	15.0	16.1	17.7	19.9	20.7	21.5	22.5
146	185	246	372	732	4.20	20.00	4.71								13.4	15.2	17.5	18.3	19.1	20.2
145	183	244	368	725	5.00	24.00	4.76													
144	181	242	365	719	6.20	30.00	4.80													
140	176	235	355	700	3.20	16.00	4.93			11.1	14.2	15.3	16.5	17.5	18.6	20.2	22.3	23.0	23.8	24.9
140	176	235	354	698	3.60	18.00	4.94					12.8	14.0	15.1	16.2	17.8	20.0	20.8	21.6	22.6
140	176	235	354	698	4.00	20.00	4.94								13.5	15.3	17.6	18.4	19.2	20.3
139	176	234	354	697	4.80	24.00	4.95													
139	175	234	353	696	6.00	30.00	4.96													
135	170	226	341	673	5.80	30.00	5.13													
134	169	225	339	669	4.60	24.00	5.16													
133	167	223	337	663	3.80	20.00	5.20								13.7	15.4	17.7	18.5	19.4	20.5
132	167	222	335	661	3.40	18.00	5.22				11.7	12.9	14.2	15.2	16.3	18.0	20.1	20.9	21.7	22.8
131	166	221	333	657	3.00	16.00	5.25			11.2	14.4	15.5	16.7	17.6	18.7	20.3	22.4	23.2	24.0	25.0
130	164	218	330	650	5.60	30.00	5.31													
128	161	215	324	639	4.40	24.00	5.40													
126	159	212	319	630	3.60	20.00	5.48								13.8	15.6	17.8	18.7	19.5	20.6
125	158	211	318	626	5.40	30.00	5.51													
125	157	209	316	623	3.20	18.00	5.54				11.8	13.0	14.3	15.3	16.4	18.1	20.3	21.1	21.9	22.9
122	154	205	310	611	4.20	24.00	5.65													15.4
121	152	203	306	603	5.20	30.00	5.72													
119	150	200	302	595	3.40	20.00	5.80							12.7	13.9	15.7	18.0	18.8	19.6	20.7
117	147	196	296	584	3.00	18.00	5.91				11.9	13.1	14.4	15.4	16.6	18.2	20.4	21.2	22.0	23.0
116	147	196	295	582	4.00	24.00	5.93													15.6
116	146	195	295	581	5.00	30.00	5.94													
112	141	188	284	560	3.20	20.00	6.16							12.8	14.0	15.8	18.1	18.9	19.8	20.8
111	141	187	283	557	4.80	30.00	6.19													
111	139	186	280	553	3.80	24.00	6.24													15.7
107	135	180	271	535	4.60	30.00	6.45													
105	133	177	267	526	3.00	20.00	6.56							12.9	14.1	15.9	18.2	19.0	19.9	21.0
105	132	176	266	524	3.60	24.00	6.58													15.8
102	129	172	260	512	4.40	30.00	6.74													
99	125	167	251	496	3.40	24.00	6.96													15.9
98	123	164	248	489	4.20	30.00	7.06													
93	118	157	237	467	3.20	24.00	7.38												14.7	16.0
93	117	157	236	466	4.00	30.00	7.41													
89	112	149	225	443	3.80	30.00	7.79													
88	111	147	222	438	3.00	24.00	7.87												14.8	16.1
84	106	141	213	420	3.60	30.00	8.22													
79	100	133	201	397	3.40	30.00	8.69													
75	94	126	190	374	3.20	30.00	9.23													
70	89	118	178	351	3.00	30.00	9.83													

Key to correction factors: 0.7 0.8 0.9 1.0

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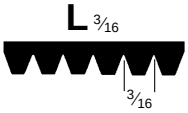

Length Designation and Center Distance, Inches														Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
840	865	915	975	990	1065	1120	1150	1215	1230	1295	1310	1455		Small Sheave	Large Sheave	690 RPM	870 RPM	1160 RPM	1750 RPM	3450 RPM
25.7	27.0	29.6	32.6	33.4	37.2	40.0	41.5	44.8	45.5	48.8	49.6	56.9		3.80	16.00	1.00	1.22	1.55	2.16	3.59
23.6	24.9	27.5	30.5	31.3	35.1	37.9	39.5	42.8	43.5	46.8	47.6	54.9		4.20	18.00	1.16	1.41	1.79	2.51	4.18
16.1	17.6	20.4	23.7	24.5	28.5	31.4	33.0	36.3	37.1	40.5	41.2	48.6		5.60	24.00	1.69	2.06	2.63	3.68	6.06
					21.1	24.2	25.9	29.5	30.3	33.7	34.5	42.1		7.00	30.00	2.21	2.69	3.43	4.80	7.65
28.0	29.2	31.8	34.8	35.6	39.4	42.2	43.7	46.9	47.7	51.0	51.7	59.0		3.20	14.00	.77	.93	1.17	1.63	2.68
21.3	22.6	25.3	28.4	29.2	33.0	35.9	37.4	40.7	41.5	44.8	45.5	52.9		4.60	20.00	1.31	1.60	2.03	2.85	4.74
25.9	27.2	29.7	32.8	33.5	37.3	40.1	41.7	44.9	45.7	49.0	49.7	57.0		3.60	16.00	.93	1.12	1.42	1.98	3.29
16.3	17.7	20.6	23.9	24.7	28.7	31.6	33.1	36.5	37.3	40.6	41.4	48.8		5.40	24.00	1.62	1.97	2.51	3.52	5.81
23.7	25.0	27.6	30.7	31.5	35.3	38.1	39.6	42.9	43.7	47.0	47.7	55.0		4.00	18.00	1.08	1.31	1.67	2.33	3.89
21.4	22.8	25.4	28.5	29.3	33.2	36.0	37.5	40.9	41.6	44.9	45.7	53.0		4.40	20.00	1.24	1.50	1.91	2.68	4.46
16.4	17.9	20.7	24.0	24.8	28.8	31.7	33.2	36.6	37.4	40.7	41.5	48.9		5.20	24.00	1.54	1.88	2.39	3.35	5.55
28.1	29.4	31.9	35.0	35.7	39.5	42.3	43.8	47.1	47.8	51.1	51.9	59.1		3.00	14.00	.69	.83	1.05	1.44	2.36
26.0	27.3	29.9	32.9	33.7	37.5	40.3	41.8	45.1	45.8	49.1	49.9	57.2		3.40	16.00	.85	1.03	1.30	1.80	2.99
					21.4	24.6	26.3	29.8	30.7	34.1	34.9	42.5		6.40	30.00	1.99	2.42	3.09	4.33	7.01
23.8	25.1	27.7	30.8	31.6	35.4	38.2	39.8	43.1	43.8	47.1	47.9	55.2		3.80	18.00	1.00	1.22	1.55	2.16	3.59
21.6	22.9	25.5	28.7	29.4	33.3	36.1	37.7	41.0	41.8	45.1	45.8	53.2		4.20	20.00	1.16	1.41	1.79	2.51	4.18
16.5	18.0	20.8	24.1	24.9	28.9	31.8	33.4	36.8	37.5	40.9	41.7	49.1		5.00	24.00	1.47	1.78	2.27	3.19	5.28
					21.5	24.7	26.4	30.0	30.8	34.3	35.1	42.7		6.20	30.00	1.91	2.33	2.98	4.17	6.78
26.1	27.4	30.0	33.1	33.8	37.6	40.4	41.9	45.2	46.0	49.3	50.0	57.3		3.20	16.00	.77	.93	1.17	1.63	2.68
24.0	25.3	27.9	31.0	31.7	35.6	38.4	39.9	43.2	44.0	47.2	48.0	55.3		3.60	18.00	.93	1.12	1.42	1.98	3.29
21.7	23.0	25.7	28.8	29.6	33.5	36.3	37.8	41.1	41.9	45.2	46.0	53.3		4.00	20.00	1.08	1.31	1.67	2.33	3.89
16.6	18.1	20.9	24.2	25.1	29.1	31.9	33.5	36.9	37.7	41.0	41.8	49.2		4.80	24.00	1.39	1.69	2.15	3.02	5.02
					21.7	24.8	26.5	30.1	30.9	34.4	35.2	42.8		6.00	30.00	1.84	2.24	2.86	4.01	6.54
					21.8	25.0	26.7	30.2	31.0	34.5	35.3	42.9		5.80	30.00	1.76	2.15	2.74	3.85	6.30
16.7	18.2	21.1	24.4	25.2	29.2	32.1	33.7	37.0	37.8	41.2	41.9	49.3		4.60	24.00	1.31	1.60	2.03	2.85	4.74
21.8	23.1	25.8	28.9	29.7	33.6	36.4	38.0	41.3	42.0	45.3	46.1	53.5		3.80	20.00	1.00	1.22	1.55	2.16	3.59
24.1	25.4	28.0	31.1	31.9	35.7	38.5	40.0	43.3	44.1	47.4	48.1	55.5		3.40	18.00	.85	1.03	1.30	1.80	2.99
26.3	27.6	30.1	33.2	34.0	37.8	40.6	42.1	45.4	46.1	49.4	50.2	57.5		3.00	16.00	.69	.83	1.05	1.44	2.36
					21.9	25.1	26.8	30.4	31.2	34.7	35.5	43.1		5.60	30.00	1.69	2.06	2.63	3.68	6.06
16.9	18.3	21.2	24.5	25.3	29.3	32.2	33.8	37.2	37.9	41.3	42.1	49.5		4.40	24.00	1.24	1.50	1.91	2.68	4.46
21.9	23.3	25.9	29.1	29.8	33.7	36.6	38.1	41.4	42.2	45.5	46.2	53.6		3.60	20.00	.93	1.12	1.42	1.98	3.29
					22.0	25.2	26.9	30.5	31.3	34.8	35.6	43.2		5.40	30.00	1.62	1.97	2.51	3.52	5.81
24.2	25.5	28.1	31.2	32.0	35.8	38.6	40.2	43.5	44.2	47.5	48.3	55.6		3.20	18.00	.77	.93	1.17	1.63	2.68
17.0	18.5	21.3	24.6	25.4	29.4	32.3	33.9	37.3	38.1	41.4	42.2	49.6		4.20	24.00	1.16	1.41	1.79	2.51	4.18
					22.1	25.3	27.0	30.6	31.4	34.9	35.7	43.3		5.20	30.00	1.54	1.88	2.39	3.35	5.55
22.1	23.4	26.1	29.2	30.0	33.9	36.7	38.2	41.6	42.3	45.6	46.4	53.7		3.40	20.00	.85	1.03	1.30	1.80	2.99
24.4	25.7	28.3	31.4	32.1	36.0	38.8	40.3	43.6	44.4	47.7	48.4	55.8		3.00	18.00	.69	.83	1.05	1.44	2.36
17.1	18.6	21.4	24.7	25.6	29.6	32.5	34.1	37.4	38.2	41.6	42.3	49.8		4.00	24.00	1.08	1.31	1.67	2.33	3.89
					22.3	25.5	27.1	30.7	31.5	35.0	35.8	43.5		5.00	30.00	1.47	1.78	2.27	3.19	5.28
22.2	23.5	26.2	29.3	30.1	34.0	36.8	38.4	41.7	42.5	45.8	46.5	53.9		3.20	20.00	.77	.93	1.17	1.63	2.68
					22.4	25.6	27.3	30.9	31.7	35.2	36.0	43.6		4.80	30.00	1.39	1.69	2.15	3.02	5.02
17.2	18.7	21.6	24.9	25.7	29.7	32.6	34.2	37.6	38.3	41.7	42.5	49.9		3.80	24.00	1.00	1.22	1.55	2.16	3.59
					22.5	25.7	27.4	31.0	31.8	35.3	36.1	43.7		4.60	30.00	1.31	1.60	2.03	2.85	4.74
22.3	23.7	26.3	29.5	30.3	34.1	37.0	38.5	41.8	42.6	45.9	46.7	54.0		3.00	20.00	.69	.83	1.05	1.44	2.36
17.3	18.8	21.7	25.0	25.8	29.8	32.7	34.3	37.7	38.5	41.8	42.6	50.0		3.60	24.00	.93	1.12	1.42	1.98	3.29
					22.6	25.8	27.5	31.1	31.9	35.4	36.2	43.9		4.40	30.00	1.24	1.50	1.91	2.68	4.46
17.5	18.9	21.8	25.1	25.9	30.0	32.9	34.5	37.8	38.6	42.0	42.8	50.2		3.40	24.00	.85	1.03	1.30	1.80	2.99
					22.7	25.9	27.6	31.2	32.1	35.6	36.4	44.0		4.20	30.00	1.16	1.41	1.79	2.51	4.18
17.6	19.1	21.9	25.3	26.1	30.1	33.0	34.6	38.0	38.8	42.1	42.9	50.3		3.20	24.00	.77	.93	1.17	1.63	2.68
				18.2	22.9	26.1	27.8	31.4	32.2	35.7	36.5	44.1		4.00	30.00	1.08	1.31	1.67	2.33	3.89
				18.3	23.0	26.2	27.9	31.5	32.3	35.8	36.6	44.3		3.80	30.00	1.00	1.22	1.55	2.16	3.59
17.7	19.2	22.1	25.4	26.2	30.2	33.1	34.7	38.1	38.9	42.3	43.0	50.5		3.00	24.00	.69	.83	1.05	1.44	2.36
				18.4	23.1	26.3	28.0	31.6	32.4	36.0	36.8	44.4		3.60	30.00	.93	1.12	1.42	1.98	3.29
				18.5	23.2	26.4	28.1	31.7	32.6	36.1	36.9	44.5		3.40	30.00	.85	1.03	1.30	1.80	2.99
				18.6	23.3	26.6	28.3	31.9	32.7	36.2	37.0	44.7		3.20	30.00	.77	.93	1.17	1.63	2.68
			17.7	18.7	23.5	26.7	28.4	32.0	32.8	36.3	37.1	44.8		3.00	30.00	.69	.83	1.05	1.44	2.36

Key to correction factors: 0.7 | 0.8 | 0.9 | 1.0 | 1.1

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.

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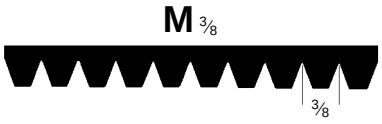

M Section Micro-V® Belt Drive Selection Table

Table No. 34

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches										
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	900	940	990	1060	1115	1150	1185	1230	1310	1390	1470
575	690	870	1160	1750	7.00	7.00	1.00	34.0	36.0	38.5	42.0	44.8	46.5	48.3	50.5	54.5	58.5	62.5
575	690	870	1160	1750	7.40	7.40	1.00	33.4	35.4	37.9	41.4	44.1	45.9	47.6	49.9	53.9	57.9	61.9
575	690	870	1160	1750	7.60	7.60	1.00	33.1	35.1	37.6	41.1	43.8	45.6	47.3	49.6	53.6	57.6	61.6
575	690	870	1160	1750	8.00	8.00	1.00	32.4	34.4	36.9	40.4	43.2	44.9	46.7	48.9	52.9	56.9	60.9
575	690	870	1160	1750	8.40	8.40	1.00	31.8	33.8	36.3	39.8	42.6	44.3	46.1	48.3	52.3	56.3	60.3
575	690	870	1160	1750	8.60	8.60	1.00	31.5	33.5	36.0	39.5	42.2	44.0	45.7	48.0	52.0	56.0	60.0
575	690	870	1160	1750	9.00	9.00	1.00	30.9	32.9	35.4	38.9	41.6	43.4	45.1	47.4	51.4	55.4	59.4
575	690	870	1160	1750	9.20	9.20	1.00	30.6	32.6	35.1	38.6	41.3	43.1	44.8	47.1	51.1	55.1	59.1
575	690	870	1160	1750	9.60	9.60	1.00	29.9	31.9	34.4	37.9	40.7	42.4	44.2	46.4	50.4	54.4	58.4
575	690	870	1160	1750	10.00	10.00	1.00	29.3	31.3	33.8	37.3	40.0	41.8	43.5	45.8	49.8	53.8	57.8
575	690	870	1160	1750	10.60	10.60	1.00	28.4	30.4	32.9	36.4	39.1	40.9	42.6	44.9	48.9	52.9	56.9
575	690	870	1160	1750	11.00	11.00	1.00	27.7	29.7	32.2	35.7	38.5	40.2	42.0	44.2	48.2	52.2	56.2
575	690	870	1160	1750	12.00	12.00	1.00	26.2	28.2	30.7	34.2	36.9	38.7	40.4	42.7	46.7	50.7	54.7
575	690	870	1160	1750	13.00	13.00	1.00	24.6	26.6	29.1	32.6	35.3	37.1	38.8	41.1	45.1	49.1	53.1
575	690	870	1160	1750	14.00	14.00	1.00	23.0	25.0	27.5	31.0	33.8	35.5	37.3	39.5	43.5	47.5	51.5
575	690	870	1160	1750	15.00	15.00	1.00	21.5	23.5	26.0	29.5	32.2	33.9	35.7	37.9	41.9	45.9	49.9
575	690	870	1160	1750	16.00	16.00	1.00	19.9	21.9	24.4	27.9	30.6	32.4	34.1	36.4	40.4	44.4	48.4
575	690	870	1160	1750	18.00	18.00	1.00			21.2	24.7	27.5	29.2	31.0	33.2	37.2	41.2	45.2
575	690	870	1160	1750	20.00	20.00	1.00				21.6	24.3	26.1	27.8	30.1	34.1	38.1	42.1
564	676	853	1137	1716	8.40	8.60	1.02	31.7	33.7	36.2	39.7	42.4	44.2	45.9	48.2	52.2	56.2	60.2
564	676	853	1137	1716	9.00	9.20	1.02	30.7	32.7	35.2	38.7	41.5	43.2	45.0	47.2	51.2	55.2	59.2
558	670	845	1126	1699	7.40	7.60	1.03	33.2	35.2	37.7	41.2	44.0	45.7	47.5	49.7	53.7	57.7	61.7
553	663	837	1115	1683	9.20	9.60	1.04	30.2	32.2	34.7	38.2	41.0	42.7	44.5	46.7	50.7	54.7	58.7
553	663	837	1115	1683	9.60	10.00	1.04	29.6	31.6	34.1	37.6	40.4	42.1	43.9	46.1	50.1	54.1	58.1
553	663	837	1115	1683	10.60	11.00	1.04	28.0	30.0	32.5	36.0	38.8	40.5	42.3	44.5	48.5	52.5	56.5
548	657	829	1105	1667	7.60	8.00	1.05	32.8	34.8	37.3	40.8	43.5	45.3	47.0	49.3	53.3	57.3	61.3
548	657	829	1105	1667	8.00	8.40	1.05	32.1	34.1	36.6	40.1	42.9	44.6	46.4	48.6	52.6	56.6	60.6
548	657	829	1105	1667	8.60	9.00	1.05	31.2	33.2	35.7	39.2	41.9	43.7	45.4	47.7	51.7	55.7	59.7
542	651	821	1094	1651	7.00	7.40	1.06	33.7	35.7	38.2	41.7	44.4	46.2	47.9	50.2	54.2	58.2	62.2
542	651	821	1094	1651	10.00	10.60	1.06	28.8	30.8	33.3	36.8	39.6	41.3	43.1	45.3	49.3	53.3	57.3
537	645	813	1084	1636	8.00	8.60	1.07	32.0	34.0	36.5	40.0	42.7	44.5	46.2	48.5	52.5	56.5	60.5
537	645	813	1084	1636	8.40	9.00	1.07	31.3	33.3	35.8	39.3	42.1	43.8	45.6	47.8	51.8	55.8	59.8
537	645	813	1084	1636	8.60	9.20	1.07	31.0	33.0	35.5	39.0	41.8	43.5	45.3	47.5	51.5	55.5	59.5
537	645	813	1084	1636	9.00	9.60	1.07	30.4	32.4	34.9	38.4	41.1	42.9	44.6	46.9	50.9	54.9	58.9
537	645	813	1084	1636	14.00	15.00	1.07	22.2	24.2	26.7	30.2	33.0	34.7	36.5	38.7	42.7	46.7	50.7
537	645	813	1084	1636	15.00	16.00	1.07	20.7	22.7	25.2	28.7	31.4	33.2	34.9	37.2	41.2	45.2	49.2
532	639	806	1074	1620	7.00	7.60	1.08	33.5	35.5	38.0	41.5	44.3	46.0	47.8	50.0	54.0	58.0	62.0
532	639	806	1074	1620	7.40	8.00	1.08	32.9	34.9	37.4	40.9	43.7	45.4	47.2	49.4	53.4	57.4	61.4
532	639	806	1074	1620	12.00	13.00	1.08	25.4	27.4	29.9	33.4	36.1	37.9	39.6	41.9	45.9	49.9	53.9
532	639	806	1074	1620	13.00	14.00	1.08	23.8	25.8	28.3	31.8	34.6	36.3	38.1	40.3	44.3	48.3	52.3
528	633	798	1064	1606	8.40	9.20	1.09	31.2	33.2	35.7	39.2	41.9	43.7	45.4	47.7	51.7	55.7	59.7
528	633	798	1064	1606	9.20	10.00	1.09	29.9	31.9	34.4	37.9	40.7	42.4	44.2	46.4	50.4	54.4	58.4
528	633	798	1064	1606	11.00	12.00	1.09	26.9	28.9	31.4	34.9	37.7	39.4	41.2	43.4	47.4	51.4	55.4
523	627	791	1055	1591	7.60	8.40	1.10	32.4	34.4	36.9	40.4	43.2	44.9	46.7	48.9	52.9	56.9	60.9
523	627	791	1055	1591	9.60	10.60	1.10	29.1	31.1	33.6	37.1	39.9	41.6	43.4	45.6	49.6	53.6	57.6
523	627	791	1055	1591	10.00	11.00	1.10	28.5	30.5	33.0	36.5	39.3	41.0	42.8	45.0	49.0	53.0	57.0
518	622	784	1045	1577	8.60	9.60	1.11	30.7	32.7	35.2	38.7	41.5	43.2	45.0	47.2	51.2	55.2	59.2
518	622	784	1045	1577	9.00	10.00	1.11	30.1	32.1	34.6	38.1	40.8	42.6	44.3	46.6	50.6	54.6	58.6
518	622	784	1045	1577	18.00	20.00	1.11				23.1	25.9	27.7	29.4	31.7	35.7	39.7	43.7
513	616	777	1036	1563	8.00	9.00	1.12	31.7	33.7	36.2	39.7	42.4	44.2	45.9	48.2	52.2	56.2	60.2
513	616	777	1036	1563	16.00	18.00	1.12		20.3	22.8	26.3	29.0	30.8	32.5	34.8	38.8	42.8	46.8
509	611	770	1027	1549	7.40	8.40	1.13	32.6	34.6	37.1	40.6	43.3	45.1	46.8	49.1	53.1	57.1	61.1
509	611	770	1027	1549	7.60	8.60	1.13	32.3	34.3	36.8	40.3	43.0	44.8	46.5	48.8	52.8	56.8	60.8
509	611	770	1027	1549	10.60	12.00	1.13	27.3	29.3	31.8	35.3	38.0	39.8	41.5	43.8	47.8	51.8	55.8

Key to correction factors: 0.9 1.0

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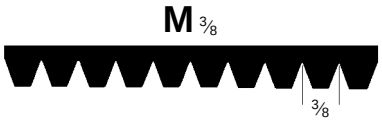
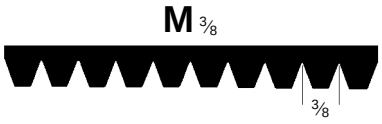


Length Designation and Center Distance, Inches													Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
1610	1650	1760	1830	1980	2130	2410	2560	2710	3010	3310	3610		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
69.5	71.5	77.0	80.5	88.0	95.5	109.5	117.0	124.5	139.5	154.5	169.5		7.00	7.00	3.95	4.55	5.41	6.65	8.65
68.9	70.9	76.4	79.9	87.4	94.9	108.9	116.4	123.9	138.9	153.9	168.9		7.40	7.40	4.35	5.02	5.99	7.38	9.63
68.6	70.6	76.1	79.6	87.1	94.6	108.6	116.1	123.6	138.6	153.6	168.6		7.60	7.60	4.55	5.25	6.27	7.74	10.10
67.9	69.9	75.4	78.9	86.4	93.9	107.9	115.4	122.9	137.9	152.9	167.9		8.00	8.00	4.95	5.72	6.84	8.45	11.10
67.3	69.3	74.8	78.3	85.8	93.3	107.3	114.8	122.3	137.3	152.3	167.3		8.40	8.40	5.35	6.18	7.40	9.15	12.00
67.0	69.0	74.5	78.0	85.5	93.0	107.0	114.5	122.0	137.0	152.0	167.0		8.60	8.60	5.55	6.41	7.68	9.50	12.40
66.4	68.4	73.9	77.4	84.9	92.4	106.4	113.9	121.4	136.4	151.4	166.4		9.00	9.00	5.94	6.87	8.23	10.20	13.30
66.1	68.1	73.6	77.1	84.6	92.1	106.1	113.6	121.1	136.1	151.1	166.1		9.20	9.20	6.14	7.10	8.51	10.50	13.80
65.4	67.4	72.9	76.4	83.9	91.4	105.4	112.9	120.4	135.4	150.4	165.4		9.60	9.60	6.52	7.55	9.05	11.20	14.60
64.8	66.8	72.3	75.8	83.3	90.8	104.8	112.3	119.8	134.8	149.8	164.8		10.00	10.00	6.91	8.00	9.59	11.90	15.50
63.9	65.9	71.4	74.9	82.4	89.9	103.9	111.4	118.9	133.9	148.9	163.9		10.60	10.60	7.49	8.67	10.40	12.90	16.70
63.2	65.2	70.7	74.2	81.7	89.2	103.2	110.7	118.2	133.2	148.2	163.2		11.00	11.00	7.87	9.11	10.90	13.50	17.50
61.7	63.7	69.2	72.7	80.2	87.7	101.7	109.2	116.7	131.7	146.7	161.7		12.00	12.00	8.81	10.20	12.20	15.10	19.30
60.1	62.1	67.6	71.1	78.6	86.1	100.1	107.6	115.1	130.1	145.1	160.1		13.00	13.00	9.73	11.30	13.50	16.60	21.00
58.5	60.5	66.0	69.5	77.0	84.5	98.5	106.0	113.5	128.5	143.5	158.5		14.00	14.00	10.60	12.30	14.70	18.10	22.60
56.9	58.9	64.4	67.9	75.4	82.9	96.9	104.4	111.9	127.0	142.0	157.0		15.00	15.00	11.50	13.40	16.00	19.50	†
55.4	57.4	62.9	66.4	73.9	81.4	95.4	102.9	110.4	125.4	140.4	155.4		16.00	16.00	12.40	14.40	17.10	20.90	†
52.2	54.2	59.7	63.2	70.7	78.2	92.2	99.7	107.2	122.2	137.2	152.2		18.00	18.00	14.20	16.30	19.40	23.40	†
49.1	51.1	56.6	60.1	67.6	75.1	89.1	96.6	104.1	119.1	134.1	149.1		20.00	20.00	15.80	18.20	21.60	25.60	†
67.2	69.2	74.7	78.2	85.7	93.2	107.2	114.7	122.2	137.2	152.2	167.2		8.40	8.60	5.35	6.18	7.40	9.15	12.00
66.2	68.2	73.7	77.2	84.7	92.2	106.2	113.7	121.2	136.2	151.2	166.2		9.00	9.20	5.94	6.87	8.23	10.20	13.30
68.7	70.7	76.2	79.7	87.2	94.7	108.7	116.2	123.7	138.7	153.7	168.7		7.40	7.60	4.42	5.10	6.10	7.52	9.84
65.7	67.7	73.2	76.7	84.2	91.7	105.7	113.2	120.7	135.7	150.7	165.7		9.20	9.60	6.21	7.18	8.62	10.60	14.00
65.1	67.1	72.6	76.1	83.6	91.1	105.1	112.6	120.1	135.1	150.1	165.1		9.60	10.00	6.59	7.63	9.16	11.30	14.80
63.5	65.5	71.0	74.5	82.0	89.5	103.5	111.0	118.5	133.5	148.5	163.5		10.60	11.00	7.56	8.75	10.50	13.00	16.90
68.3	70.3	75.8	79.3	86.8	94.3	108.3	115.8	123.3	138.3	153.3	168.3		7.60	8.00	4.62	5.33	6.38	7.88	10.30
67.6	69.6	75.1	78.6	86.1	93.6	107.6	115.1	122.6	137.6	152.6	167.6		8.00	8.40	5.02	5.80	6.95	8.59	11.30
66.7	68.7	74.2	77.7	85.2	92.7	106.7	114.2	121.7	136.7	151.7	166.7		8.60	9.00	5.62	6.49	7.79	9.64	12.60
69.2	71.2	76.7	80.2	87.7	95.2	109.2	116.7	124.2	139.2	154.2	169.2		7.00	7.40	4.02	4.63	5.52	6.79	8.86
64.3	66.3	71.8	75.3	82.8	90.3	104.3	111.8	119.3	134.3	149.3	164.3		10.00	10.60	6.98	8.08	9.70	12.00	15.70
67.5	69.5	75.0	78.5	86.0	93.5	107.5	115.0	122.5	137.5	152.5	167.5		8.00	8.60	5.09	5.89	7.05	8.73	11.50
66.8	68.8	74.3	77.8	85.3	92.8	106.8	114.3	121.8	136.8	151.8	166.8		8.40	9.00	5.49	6.35	7.61	9.43	12.40
66.5	68.5	74.0	77.5	85.0	92.5	106.5	114.0	121.5	136.5	151.5	166.5		8.60	9.20	5.69	6.58	7.89	9.78	12.80
65.9	67.9	73.4	76.9	84.4	91.9	105.9	113.4	120.9	135.9	150.9	165.9		9.00	9.60	6.08	7.04	8.44	10.50	13.70
57.7	59.7	65.2	68.7	76.2	83.7	97.7	105.2	112.7	127.7	142.7	157.7		14.00	15.00	10.70	12.50	14.90	18.40	23.00
56.2	58.2	63.7	67.2	74.7	82.2	96.2	103.7	111.2	126.2	141.2	156.2		15.00	16.00	11.60	13.60	16.20	19.80	†
69.0	71.0	76.5	80.0	87.5	95.0	109.0	116.5	124.0	139.0	154.0	169.0		7.00	7.60	4.09	4.72	5.62	6.93	9.07
68.4	70.4	75.9	79.4	86.9	94.4	108.4	115.9	123.4	138.4	153.4	168.4		7.40	8.00	4.49	5.19	6.20	7.66	10.10
60.9	62.9	68.4	71.9	79.4	86.9	100.9	108.4	115.9	130.9	145.9	160.9		12.00	13.00	8.95	10.40	12.40	15.40	19.70
59.3	61.3	66.8	70.3	77.8	85.3	99.3	106.8	114.3	129.3	144.3	159.3		13.00	14.00	9.87	11.50	13.70	16.90	21.40
66.7	68.7	74.2	77.7	85.2	92.7	106.7	114.2	121.7	136.7	151.7	166.7		8.40	9.20	5.49	6.35	7.61	9.43	12.40
65.4	67.4	72.9	76.4	83.9	91.4	105.4	112.9	120.4	135.4	150.4	165.4		9.20	10.00	6.28	7.27	8.72	10.80	14.20
62.4	64.4	69.9	73.4	80.9	88.4	102.4	109.9	117.4	132.4	147.4	162.4		11.00	12.00	8.01	9.28	11.10	13.80	17.90
67.9	69.9	75.4	78.9	86.4	93.9	107.9	115.4	122.9	137.9	152.9	167.9		7.60	8.40	4.69	5.42	6.48	8.02	10.50
64.6	66.6	72.1	75.6	83.1	90.6	104.6	112.1	119.6	134.6	149.6	164.6		9.60	10.60	6.66	7.72	9.26	11.50	15.00
64.0	66.0	71.5	75.0	82.5	90.0	104.0	111.5	119.0	134.0	149.0	164.0		10.00	11.00	7.05	8.17	9.80	12.20	15.90
66.2	68.2	73.7	77.2	84.7	92.2	106.2	113.7	121.2	136.2	151.2	166.2		8.60	9.60	5.76	6.66	8.00	9.92	13.00
65.6	67.6	73.1	76.6	84.1	91.6	105.6	113.1	120.6	135.6	150.6	165.6		9.00	10.00	6.15	7.12	8.55	10.60	13.90
50.7	52.7	58.2	61.7	69.2	76.7	90.7	98.2	105.7	120.7	135.7	150.7		18.00	20.00	14.40	16.60	19.70	23.80	†
67.2	69.2	74.7	78.2	85.7	93.2	107.2	114.7	122.2	137.2	152.2	167.2		8.00	9.00	5.16	5.97	7.16	8.87	11.70
53.8	55.8	61.3	64.8	72.3	79.8	93.8	101.3	108.8	123.8	138.8	153.8		16.00	18.00	12.60	14.70	17.40	21.30	†
68.1	70.1	75.6	79.1	86.6	94.1	108.1	115.6	123.1	138.1	153.1	168.1		7.40	8.40	4.56	5.27	6.31	7.80	10.30
67.8	69.8	75.3	78.8	86.3	93.8	107.8	115.3	122.8	137.8	152.8	167.8		7.60	8.60	4.76	5.50	6.59	8.16	10.70
62.8	64.8	70.3	73.8	81.3	88.8	102.8	110.3	117.8	132.8	147.8	162.8		10.60	12.00	7.70	8.92	10.70	13.30	17.30

Key to correction factors: 1.0 1.1 1.2

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.



M Section Micro-V® Belt Drive Selection Table

Table No. 34

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches										
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	900	940	990	1060	1115	1150	1185	1230	1310	1390	1470
504	605	763	1018	1535	7.00	8.00	1.14	33.2	35.2	37.7	41.2	44.0	45.7	47.5	49.7	53.7	57.7	61.7
504	605	763	1018	1535	8.40	9.60	1.14	30.9	32.9	35.4	38.9	41.6	43.4	45.1	47.4	51.4	55.4	59.4
504	605	763	1018	1535	9.60	11.00	1.14	28.8	30.8	33.3	36.8	39.6	41.3	43.1	45.3	49.3	53.3	57.3
504	605	763	1018	1535	14.00	16.00	1.14	21.4	23.4	25.9	29.4	32.2	33.9	35.7	37.9	41.9	45.9	49.9
500	600	757	1009	1522	8.00	9.20	1.15	31.5	33.5	36.0	39.5	42.2	44.0	45.7	48.0	52.0	56.0	60.0
500	600	757	1009	1522	9.20	10.60	1.15	29.4	31.4	33.9	37.5	40.2	42.0	43.7	46.0	50.0	54.0	58.0
500	600	757	1009	1522	13.00	15.00	1.15	23.0	25.0	27.5	31.0	33.8	35.5	37.3	39.5	43.5	47.5	51.5
496	595	750	1000	1509	7.40	8.60	1.16	32.4	34.4	36.9	40.4	43.2	44.9	46.7	48.9	52.9	56.9	60.9
496	595	750	1000	1509	8.60	10.00	1.16	30.4	32.4	34.9	38.4	41.1	42.9	44.6	46.9	50.9	54.9	58.9
491	590	744	991	1496	12.00	14.00	1.17	24.6	26.6	29.1	32.6	35.3	37.1	38.8	41.1	45.1	49.1	53.1
487	585	737	983	1483	7.60	9.00	1.18	32.0	34.0	36.5	40.0	42.7	44.5	46.2	48.5	52.5	56.5	60.5
487	585	737	983	1483	9.00	10.60	1.18	29.6	31.6	34.1	37.6	40.4	42.1	43.9	46.1	50.1	54.1	58.1
487	585	737	983	1483	11.00	13.00	1.18	26.1	28.1	30.6	34.1	36.9	38.6	40.4	42.6	46.6	50.7	54.7
483	580	731	975	1471	8.40	10.00	1.19	30.5	32.5	35.0	38.5	41.3	43.0	44.8	47.0	51.0	55.1	59.1
483	580	731	975	1471	9.20	11.00	1.19	29.1	31.1	33.6	37.1	39.9	41.6	43.4	45.6	49.6	53.6	57.6
479	575	725	967	1458	7.00	8.40	1.20	32.9	34.9	37.4	40.9	43.7	45.4	47.2	49.4	53.4	57.4	61.4
479	575	725	967	1458	8.00	9.60	1.20	31.2	33.2	35.7	39.2	41.9	43.7	45.4	47.7	51.7	55.7	59.7
479	575	725	967	1458	10.00	12.00	1.20	27.7	29.7	32.2	35.7	38.5	40.2	42.0	44.2	48.2	52.2	56.2
479	575	725	967	1458	15.00	18.00	1.20	19.0	21.0	23.5	27.1	29.8	31.6	33.3	35.6	39.6	43.6	47.6
479	575	725	967	1458	20.00	24.00	1.20							24.6	26.9	30.9	34.9	38.9
475	570	719	959	1446	7.40	9.00	1.21	32.1	34.1	36.6	40.1	42.9	44.6	46.4	48.6	52.6	56.6	60.6
475	570	719	959	1446	7.60	9.20	1.21	31.8	33.8	36.3	39.8	42.6	44.3	46.1	48.3	52.3	56.3	60.3
471	566	713	951	1434	7.00	8.60	1.22	32.7	34.7	37.2	40.7	43.5	45.2	47.0	49.2	53.2	57.2	61.2
471	566	713	951	1434	9.00	11.00	1.22	29.3	31.3	33.8	37.3	40.0	41.8	43.5	45.8	49.8	53.8	57.8
471	566	713	951	1434	10.60	13.00	1.22	26.4	28.4	31.0	34.5	37.2	39.0	40.7	43.0	47.0	51.0	55.0
467	561	707	943	1423	8.60	10.60	1.23	29.9	31.9	34.4	37.9	40.7	42.4	44.2	46.4	50.4	54.4	58.4
467	561	707	943	1423	13.00	16.00	1.23	22.2	24.2	26.7	30.2	33.0	34.7	36.5	38.7	42.7	46.7	50.7
464	556	702	935	1411	7.40	9.20	1.24	32.0	34.0	36.5	40.0	42.7	44.5	46.2	48.5	52.5	56.5	60.5
460	552	696	928	1400	8.00	10.00	1.25	30.9	32.9	35.4	38.9	41.6	43.4	45.1	47.4	51.4	55.4	59.4
460	552	696	928	1400	9.60	12.00	1.25	28.0	30.0	32.5	36.0	38.8	40.5	42.3	44.5	48.5	52.5	56.5
460	552	696	928	1400	12.00	15.00	1.25	23.8	25.8	28.3	31.8	34.5	36.3	38.0	40.3	44.3	48.3	52.3
460	552	696	928	1400	16.00	20.00	1.25			21.1	24.7	27.4	29.2	30.9	33.2	37.2	41.2	45.2
456	548	690	921	1389	7.60	9.60	1.26	31.5	33.5	36.0	39.5	42.2	44.0	45.7	48.0	52.0	56.0	60.0
456	548	690	921	1389	8.40	10.60	1.26	30.1	32.1	34.6	38.1	40.8	42.6	44.3	46.6	50.6	54.6	58.6
453	543	685	913	1378	11.00	14.00	1.27	25.3	27.3	29.8	33.3	36.1	37.8	39.6	41.8	45.9	49.9	53.9
449	539	680	906	1367	7.00	9.00	1.28	32.4	34.4	36.9	40.4	43.2	44.9	46.7	48.9	52.9	56.9	60.9
449	539	680	906	1367	8.60	11.00	1.28	29.6	31.6	34.1	37.6	40.3	42.1	43.8	46.1	50.1	54.1	58.1
449	539	680	906	1367	14.00	18.00	1.28	19.8	21.8	24.3	27.8	30.6	32.3	34.1	36.3	40.3	44.3	48.3
446	535	674	899	1357	7.40	9.60	1.29	31.6	33.6	36.1	39.6	42.4	44.1	45.9	48.1	52.1	56.1	60.1
442	531	669	892	1346	9.20	12.00	1.30	28.3	30.3	32.8	36.3	39.1	40.8	42.6	44.8	48.8	52.8	56.8
442	531	669	892	1346	10.00	13.00	1.30	26.9	28.9	31.4	34.9	37.7	39.4	41.2	43.4	47.4	51.4	55.4
439	527	664	885	1336	7.00	9.20	1.31	32.3	34.3	36.8	40.3	43.0	44.8	46.5	48.8	52.8	56.8	60.8
439	527	664	885	1336	7.60	10.00	1.31	31.2	33.2	35.7	39.2	41.9	43.7	45.4	47.7	51.7	55.7	59.7
439	527	664	885	1336	8.40	11.00	1.31	29.7	31.7	34.2	37.7	40.5	42.3	44.0	46.3	50.3	54.3	58.3
436	523	659	879	1326	8.00	10.60	1.32	30.4	32.4	34.9	38.4	41.1	42.9	44.6	46.9	50.9	54.9	58.9
436	523	659	879	1326	10.60	14.00	1.32	25.6	27.6	30.1	33.6	36.4	38.2	39.9	42.2	46.2	50.2	54.2
432	519	654	872	1316	9.00	12.00	1.33	28.5	30.5	33.0	36.5	39.2	41.0	42.7	45.0	49.0	53.0	57.0
432	519	654	872	1316	12.00	16.00	1.33	22.9	24.9	27.4	31.0	33.7	35.5	37.2	39.5	43.5	47.5	51.5
432	519	654	872	1316	15.00	20.00	1.33		19.4	21.9	25.4	28.2	29.9	31.7	33.9	37.9	42.0	46.0
432	519	654	872	1316	18.00	24.00	1.33					22.6	24.3	26.1	28.4	32.4	36.4	40.4
426	511	644	859	1296	7.40	10.00	1.35	31.3	33.3	35.8	39.3	42.1	43.8	45.6	47.8	51.8	55.8	59.8
426	511	644	859	1296	9.60	13.00	1.35	27.2	29.2	31.7	35.2	38.0	39.7	41.5	43.7	47.7	51.7	55.7
423	507	640	853	1287	11.00	15.00	1.36	24.5	26.5	29.0	32.5	35.3	37.0	38.8	41.0	45.0	49.0	53.1

Key to correction factors: 0.9 1.0

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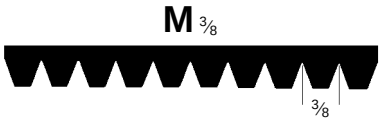
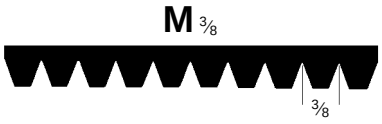


Length Designation and Center Distance, Inches												Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
1610	1650	1760	1830	1980	2130	2410	2560	2710	3010	3310	3610	Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
68.7	70.7	76.2	79.7	87.2	94.7	108.7	116.2	123.7	138.7	153.7	168.7	7.00	8.00	4.16	4.80	5.73	7.07	9.28
66.4	68.4	73.9	77.4	84.9	92.4	106.4	113.9	121.4	136.4	151.4	166.4	8.40	9.60	5.56	6.43	7.72	9.57	12.60
64.3	66.3	71.8	75.3	82.8	90.3	104.3	111.8	119.3	134.3	149.3	164.3	9.60	11.00	6.73	7.80	9.37	11.60	15.20
56.9	58.9	64.4	67.9	75.4	82.9	96.9	104.4	111.9	126.9	141.9	156.9	14.00	16.00	10.80	12.60	15.00	18.50	23.20
67.0	69.0	74.5	78.0	85.5	93.0	107.0	114.5	122.0	137.0	152.0	167.0	8.00	9.20	5.16	5.97	7.16	8.87	11.70
65.0	67.0	72.5	76.0	83.5	91.0	105.0	112.5	120.0	135.0	150.0	165.0	9.20	10.60	6.35	7.35	8.83	10.90	14.40
58.5	60.5	66.0	69.5	77.0	84.5	98.5	106.0	113.5	128.5	143.5	158.5	13.00	15.00	9.94	11.60	13.80	17.00	21.60
67.9	69.9	75.4	78.9	86.4	93.9	107.9	115.4	122.9	137.9	152.9	167.9	7.40	8.60	4.56	5.27	6.31	7.80	10.30
65.9	67.9	73.4	76.9	84.4	91.9	105.9	113.4	120.9	135.9	150.9	165.9	8.60	10.00	5.76	6.66	8.00	9.92	13.00
60.1	62.1	67.6	71.1	78.6	86.1	100.1	107.6	115.1	130.1	145.1	160.1	12.00	14.00	9.09	10.50	12.60	15.70	20.10
67.5	69.5	75.0	78.5	86.0	93.5	107.5	115.0	122.5	137.5	152.5	167.5	7.60	9.00	4.83	5.58	6.69	8.30	10.90
65.1	67.1	72.6	76.1	83.6	91.1	105.1	112.6	120.1	135.1	150.1	165.1	9.00	10.60	6.22	7.20	8.65	10.80	14.10
61.7	63.7	69.2	72.7	80.2	87.7	101.7	109.2	116.7	131.7	146.7	161.7	11.00	13.00	8.15	9.44	11.30	14.10	18.30
66.1	68.1	73.6	77.1	84.6	92.1	106.1	113.6	121.1	136.1	151.1	166.1	8.40	10.00	5.63	6.51	7.82	9.71	12.80
64.6	66.6	72.1	75.6	83.1	90.6	104.6	112.1	119.6	134.6	149.6	164.6	9.20	11.00	6.42	7.43	8.93	11.10	14.60
68.4	70.4	75.9	79.4	86.9	94.4	108.4	115.9	123.4	138.4	153.4	168.4	7.00	8.40	4.23	4.88	5.83	7.21	9.49
66.7	68.7	74.2	77.7	85.2	92.7	106.7	114.2	121.7	136.7	151.7	166.7	8.00	9.60	5.23	6.05	7.26	9.01	11.90
63.2	65.2	70.7	74.2	81.7	89.2	103.2	110.7	118.2	133.2	148.2	163.2	10.00	12.00	7.19	8.33	10.00	12.50	16.30
54.6	56.6	62.1	65.6	73.1	80.6	94.6	102.1	109.6	124.6	139.6	154.6	15.00	18.00	11.80	13.70	16.40	20.10	†
45.9	47.9	53.4	56.9	64.4	71.9	85.9	93.4	100.9	115.9	130.9	145.9	20.00	24.00	16.10	18.50	22.00	26.20	†
67.6	69.6	75.1	78.6	86.1	93.6	107.6	115.1	122.6	137.6	152.6	167.6	7.40	9.00	4.63	5.35	6.41	7.94	10.50
67.3	69.3	74.8	78.3	85.8	93.3	107.3	114.8	122.3	137.3	152.3	167.3	7.60	9.20	4.83	5.58	6.69	8.30	10.90
68.2	70.2	75.7	79.2	86.8	94.3	108.3	115.8	123.3	138.3	153.3	168.3	7.00	8.60	4.23	4.88	5.83	7.21	9.49
64.8	66.8	72.3	75.8	83.3	90.8	104.8	112.3	119.8	134.8	149.8	164.8	9.00	11.00	6.22	7.20	8.65	10.80	14.10
62.0	64.0	69.5	73.0	80.5	88.0	102.0	109.5	117.0	132.0	147.0	162.0	10.60	13.00	7.77	9.00	10.80	13.50	17.50
65.4	67.4	72.9	76.4	83.9	91.4	105.4	112.9	120.4	135.4	150.4	165.4	8.60	10.60	5.83	6.74	8.10	10.10	13.20
57.7	59.7	65.2	68.7	76.2	83.7	97.7	105.2	112.7	127.7	142.7	157.7	13.00	16.00	10.00	11.60	13.90	17.20	21.80
67.5	69.5	75.0	78.5	86.0	93.5	107.5	115.0	122.5	137.5	152.5	167.5	7.40	9.20	4.70	5.44	6.51	8.08	10.70
66.4	68.4	73.9	77.4	84.9	92.4	106.4	113.9	121.4	136.4	151.4	166.4	8.00	10.00	5.30	6.14	7.36	9.15	12.20
63.5	65.5	71.0	74.5	82.0	89.5	103.5	111.0	118.5	133.5	148.5	163.5	9.60	12.00	6.87	7.97	9.57	11.90	15.70
59.3	61.3	66.8	70.3	77.8	85.3	99.3	106.8	114.3	129.3	144.3	159.3	12.00	15.00	9.16	10.60	12.70	15.80	20.40
52.2	54.2	59.7	63.2	70.7	78.2	92.2	99.7	107.2	122.2	137.2	152.2	16.00	20.00	12.80	14.80	17.60	21.60	†
67.0	69.0	74.5	78.0	85.5	93.0	107.0	114.5	122.0	137.0	152.0	167.0	7.60	9.60	4.90	5.67	6.79	8.44	11.20
65.6	67.6	73.1	76.6	84.1	91.6	105.6	113.1	120.6	135.6	150.6	165.6	8.40	10.60	5.70	6.60	7.92	9.85	13.10
60.9	62.9	68.4	71.9	79.4	86.9	100.9	108.4	115.9	130.9	145.9	160.9	11.00	14.00	8.22	9.53	11.40	14.20	18.60
67.9	69.9	75.4	78.9	86.4	93.9	107.9	115.4	122.9	137.9	152.9	167.9	7.00	9.00	4.30	4.97	5.93	7.35	9.71
65.1	67.1	72.6	76.1	83.6	91.1	105.1	112.6	120.1	135.1	150.1	165.1	8.60	11.00	5.90	6.83	8.20	10.20	13.50
55.3	57.3	62.8	66.3	73.9	81.4	95.4	102.9	110.4	125.4	140.4	155.4	14.00	18.00	11.00	12.70	15.20	18.80	23.70
67.1	69.1	74.6	78.1	85.6	93.1	107.1	114.6	122.2	137.2	152.2	167.2	7.40	9.60	4.70	5.44	6.51	8.08	10.70
63.8	65.8	71.3	74.8	82.3	89.8	103.8	111.3	118.8	133.9	148.9	163.9	9.20	12.00	6.49	7.52	9.03	11.20	14.90
62.4	64.4	69.9	73.4	80.9	88.4	102.4	109.9	117.4	132.4	147.4	162.4	10.00	13.00	7.26	8.42	10.10	12.60	16.60
67.8	69.8	75.3	78.8	86.3	93.8	107.8	115.3	122.8	137.8	152.8	167.8	7.00	9.20	4.30	4.97	5.93	7.35	9.71
66.7	68.7	74.2	77.7	85.2	92.7	106.7	114.2	121.7	136.7	151.7	166.7	7.60	10.00	4.90	5.67	6.79	8.44	11.20
65.3	67.3	72.8	76.3	83.8	91.3	105.3	112.8	120.3	135.3	150.3	165.3	8.40	11.00	5.70	6.60	7.92	9.85	13.10
65.9	67.9	73.4	76.9	84.4	91.9	105.9	113.4	120.9	135.9	150.9	165.9	8.00	10.60	5.30	6.14	7.36	9.15	12.20
61.2	63.2	68.7	72.2	79.7	87.2	101.2	108.7	116.2	131.2	146.2	161.2	10.60	14.00	7.84	9.09	10.90	13.60	17.80
64.0	66.0	71.5	75.0	82.5	90.0	104.0	111.5	119.0	134.0	149.0	164.0	9.00	12.00	6.29	7.29	8.75	10.90	14.40
58.5	60.5	66.0	69.5	77.0	84.5	98.5	106.0	113.5	128.5	143.5	158.5	12.00	16.00	9.16	10.60	12.70	15.80	20.40
53.0	55.0	60.5	64.0	71.5	79.0	93.0	100.5	108.0	123.0	138.0	153.0	15.00	20.00	11.90	13.80	16.50	20.20	†
47.4	49.4	54.9	58.5	66.0	73.5	87.5	95.0	102.5	117.5	132.5	147.5	18.00	24.00	14.60	16.70	19.90	24.10	†
66.8	68.8	74.3	77.8	85.3	92.8	106.8	114.3	121.8	136.8	151.8	166.8	7.40	10.00	4.77	5.52	6.62	8.22	10.90
62.7	64.7	70.2	73.7	81.2	88.7	102.7	110.2	117.7	132.7	147.7	162.8	9.60	13.00	6.94	8.05	9.68	12.00	15.90
60.1	62.1	67.6	71.1	78.6	86.1	100.1	107.6	115.1	130.1	145.1	160.1	11.00	15.00	8.29	9.61	11.50	14.30	18.80

Key to correction factors: 1.0 1.1 1.2

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.



M Section Micro-V® Belt Drive Selection Table

Table No. 34

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches										
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	900	940	990	1060	1115	1150	1185	1230	1310	1390	1470
420	504	635	847	1277	7.00	9.60	1.37	31.9	33.9	36.4	39.9	42.7	44.4	46.2	48.5	52.5	56.5	60.5
420	504	635	847	1277	8.00	11.00	1.37	30.0	32.0	34.6	38.1	40.8	42.6	44.3	46.6	50.6	54.6	58.6
417	500	630	841	1268	13.00	18.00	1.38	20.5	22.5	25.0	28.6	31.3	33.1	34.8	37.1	41.1	45.1	49.1
414	496	626	835	1259	7.60	10.60	1.39	30.7	32.7	35.2	38.7	41.4	43.2	44.9	47.2	51.2	55.2	59.2
414	496	626	835	1259	8.60	12.00	1.39	28.8	30.8	33.3	36.8	39.5	41.3	43.0	45.3	49.3	53.3	57.3
411	493	621	829	1250	10.00	14.00	1.40	26.1	28.1	30.6	34.1	36.9	38.6	40.4	42.6	46.6	50.6	54.6
408	489	617	823	1241	9.20	13.00	1.41	27.5	29.5	32.0	35.5	38.3	40.0	41.8	44.0	48.0	52.0	56.0
408	489	617	823	1241	10.60	15.00	1.41	24.8	26.8	29.3	32.8	35.6	37.3	39.1	41.3	45.4	49.4	53.4
405	486	613	817	1232	7.00	10.00	1.42	31.6	33.6	36.1	39.6	42.4	44.1	45.9	48.1	52.1	56.1	60.1
405	486	613	817	1232	8.40	12.00	1.42	28.9	30.9	33.4	36.9	39.7	41.4	43.2	45.5	49.5	53.5	57.5
402	483	608	811	1224	7.40	10.60	1.43	30.8	32.8	35.3	38.8	41.6	43.3	45.1	47.3	51.3	55.3	59.3
402	483	608	811	1224	14.00	20.00	1.43		20.1	22.6	26.1	28.9	30.7	32.4	34.7	38.7	42.7	46.7
399	479	604	806	1215	7.60	11.00	1.44	30.4	32.4	34.9	38.4	41.1	42.9	44.6	46.9	50.9	54.9	58.9
399	479	604	806	1215	9.00	13.00	1.44	27.7	29.7	32.2	35.7	38.4	40.2	41.9	44.2	48.2	52.2	56.2
397	476	600	800	1207	9.60	14.00	1.45	26.4	28.4	30.9	34.4	37.2	38.9	40.7	42.9	46.9	50.9	54.9
397	476	600	800	1207	11.00	16.00	1.45	23.7	25.7	28.2	31.7	34.5	36.2	38.0	40.2	44.2	48.2	52.2
389	466	588	784	1182	7.40	11.00	1.48	30.5	32.5	35.0	38.5	41.3	43.0	44.8	47.0	51.0	55.0	59.0
386	463	584	779	1174	8.00	12.00	1.49	29.2	31.2	33.7	37.2	40.0	41.8	43.5	45.8	49.8	53.8	57.8
386	463	584	779	1174	10.00	15.00	1.49	25.3	27.3	29.8	33.3	36.0	37.8	39.5	41.8	45.8	49.8	53.8
383	460	580	773	1167	8.60	13.00	1.50	28.0	30.0	32.5	36.0	38.7	40.5	42.2	44.5	48.5	52.5	56.5
383	460	580	773	1167	10.60	16.00	1.50	24.0	26.0	28.5	32.0	34.8	36.5	38.3	40.5	44.5	48.5	52.5
383	460	580	773	1167	12.00	18.00	1.50	21.2	23.3	25.8	29.3	32.1	33.8	35.6	37.8	41.8	45.9	49.9
383	460	580	773	1167	16.00	24.00	1.50					24.0	25.8	27.6	29.8	33.9	37.9	41.9
383	460	580	773	1167	20.00	30.00	1.50										29.8	33.9
381	457	576	768	1159	7.00	10.60	1.51	31.1	33.1	35.6	39.1	41.9	43.6	45.4	47.7	51.7	55.7	59.7
378	454	572	763	1151	9.20	14.00	1.52	26.7	28.7	31.2	34.7	37.5	39.2	41.0	43.2	47.2	51.2	55.2
376	451	569	758	1144	13.00	20.00	1.53	18.8	20.8	23.3	26.9	29.6	31.4	33.2	35.4	39.4	43.5	47.5
373	448	565	753	1136	8.40	13.00	1.54	28.1	30.1	32.6	36.1	38.9	40.6	42.4	44.6	48.6	52.7	56.7
371	445	561	748	1129	9.00	14.00	1.55	26.8	28.8	31.3	34.9	37.6	39.4	41.1	43.4	47.4	51.4	55.4
369	442	558	744	1122	7.00	11.00	1.56	30.8	32.8	35.3	38.8	41.6	43.3	45.1	47.3	51.3	55.3	59.3
369	442	558	744	1122	9.60	15.00	1.56	25.5	27.6	30.1	33.6	36.3	38.1	39.8	42.1	46.1	50.1	54.1
366	439	554	739	1115	7.60	12.00	1.57	29.5	31.5	34.0	37.5	40.3	42.1	43.8	46.1	50.1	54.1	58.1
362	434	547	730	1101	10.00	16.00	1.59	24.4	26.4	28.9	32.5	35.2	37.0	38.7	41.0	45.0	49.0	53.0
359	431	544	725	1094	15.00	24.00	1.60				21.9	24.7	26.5	28.3	30.6	34.6	38.6	42.6
357	429	540	720	1087	7.40	12.00	1.61	29.7	31.7	34.2	37.7	40.5	42.2	44.0	46.2	50.2	54.2	58.2
355	426	537	716	1080	8.00	13.00	1.62	28.4	30.4	32.9	36.4	39.2	40.9	42.7	44.9	49.0	53.0	57.0
355	426	537	716	1080	8.60	14.00	1.62	27.1	29.1	31.6	35.2	37.9	39.7	41.4	43.7	47.7	51.7	55.7
355	426	537	716	1080	9.20	15.00	1.62	25.8	27.9	30.4	33.9	36.6	38.4	40.1	42.4	46.4	50.4	54.4
353	423	534	712	1074	11.00	18.00	1.63	22.0	24.0	26.5	30.0	32.8	34.6	36.3	38.6	42.6	46.6	50.6
346	416	524	699	1054	8.40	14.00	1.66	27.3	29.3	31.8	35.3	38.1	39.8	41.6	43.8	47.8	51.8	55.8
346	416	524	699	1054	9.00	15.00	1.66	26.0	28.0	30.5	34.0	36.8	38.5	40.3	42.6	46.6	50.6	54.6
346	416	524	699	1054	9.60	16.00	1.66	24.7	26.7	29.2	32.7	35.5	37.3	39.0	41.3	45.3	49.3	53.3
346	416	524	699	1054	12.00	20.00	1.66	19.5	21.5	24.0	27.6	30.4	32.1	33.9	36.2	40.2	44.2	48.2
346	416	524	699	1054	18.00	30.00	1.66									27.2	31.2	35.3
340	408	515	686	1036	10.60	18.00	1.69	22.2	24.3	26.8	30.3	33.1	34.9	36.6	38.9	42.9	46.9	50.9
338	406	512	682	1029	7.00	12.00	1.70	30.0	32.0	34.5	38.0	40.8	42.5	44.3	46.5	50.5	54.5	58.5
338	406	512	682	1029	7.60	13.00	1.70	28.7	30.7	33.2	36.7	39.5	41.2	43.0	45.2	49.3	53.3	57.3
336	404	509	678	1023	14.00	24.00	1.71				22.6	25.4	27.2	29.0	31.3	35.3	39.4	43.4
332	399	503	671	1012	8.60	15.00	1.73	26.3	28.3	30.8	34.3	37.1	38.8	40.6	42.9	46.9	50.9	54.9
332	399	503	671	1012	9.20	16.00	1.73	25.0	27.0	29.5	33.0	35.8	37.6	39.3	41.6	45.6	49.6	53.6
330	397	500	667	1006	8.00	14.00	1.74	27.6	29.6	32.1	35.6	38.4	40.1	41.9	44.1	48.1	52.1	56.1
329	394	497	663	1000	7.40	13.00	1.75	28.9	30.9	33.4	36.9	39.6	41.4	43.1	45.4	49.4	53.4	57.4
325	390	492	655	989	9.00	16.00	1.77	25.1	27.1	29.7	33.2	36.0	37.7	39.5	41.7	45.7	49.8	53.8

Key to correction factors: 0.8 0.9 1.0

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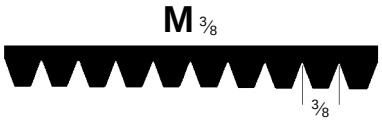
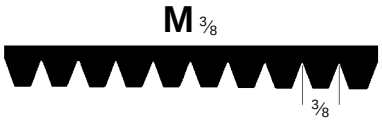


Length Designation and Center Distance, Inches													Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
1610	1650	1760	1830	1980	2130	2410	2560	2710	3010	3310	3610		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
67.5	69.5	75.0	78.5	86.0	93.5	107.5	115.0	122.5	137.5	152.5	167.5		7.00	9.60	4.37	5.05	6.04	7.49	9.92
65.6	67.6	73.1	76.6	84.1	91.6	105.6	113.1	120.6	135.6	150.6	165.6		8.00	11.00	5.37	6.22	7.47	9.29	12.40
56.1	58.1	63.6	67.1	74.6	82.1	96.1	103.6	111.1	126.1	141.1	156.1		13.00	18.00	10.20	11.80	14.10	17.40	22.30
66.2	68.2	73.7	77.2	84.7	92.2	106.2	113.7	121.2	136.2	151.2	166.2		7.60	10.60	4.97	5.75	6.90	8.58	11.40
64.3	66.3	71.8	75.3	82.8	90.3	104.3	111.8	119.3	134.3	149.3	164.3		8.60	12.00	5.97	6.91	8.31	10.30	13.70
61.6	63.6	69.1	72.6	80.1	87.6	101.6	109.1	116.6	131.6	146.6	161.6		10.00	14.00	7.33	8.50	10.20	12.70	16.80
63.0	65.0	70.5	74.0	81.6	89.1	103.1	110.6	118.1	133.1	148.1	163.1		9.20	13.00	6.56	7.60	9.14	11.30	15.10
60.4	62.4	67.9	71.4	78.9	86.4	100.4	107.9	115.4	130.4	145.4	160.4		10.60	15.00	7.91	9.17	11.00	13.70	18.00
67.1	69.1	74.6	78.1	85.6	93.1	107.1	114.6	122.1	137.1	152.1	167.1		7.00	10.00	4.37	5.05	6.04	7.49	9.92
64.5	66.5	72.0	75.5	83.0	90.5	104.5	112.0	119.5	134.5	149.5	164.5		8.40	12.00	5.77	6.68	8.03	9.99	13.30
66.4	68.4	73.9	77.4	84.9	92.4	106.4	113.9	121.4	136.4	151.4	166.4		7.40	10.60	4.77	5.52	6.62	8.22	10.90
53.7	55.7	61.2	64.7	72.2	79.8	93.8	101.3	108.8	123.8	138.8	153.8		14.00	20.00	11.00	12.80	15.30	18.90	23.90
65.9	67.9	73.4	76.9	84.4	91.9	105.9	113.4	120.9	135.9	150.9	165.9		7.60	11.00	4.97	5.75	6.90	8.58	11.40
63.2	65.2	70.7	74.2	81.7	89.2	103.2	110.7	118.2	133.2	148.2	163.2		9.00	13.00	6.36	7.37	8.86	11.00	14.60
61.9	63.9	69.4	72.9	80.4	87.9	102.0	109.5	117.0	132.0	147.0	162.0		9.60	14.00	6.94	8.05	9.68	12.00	15.90
59.3	61.3	66.8	70.3	77.8	85.3	99.3	106.8	114.3	129.3	144.3	159.3		11.00	16.00	8.29	9.61	11.50	14.30	18.80
66.0	68.0	73.5	77.0	84.5	92.0	106.0	113.5	121.0	136.0	151.0	166.0		7.40	11.00	4.84	5.60	6.72	8.36	11.10
64.8	66.8	72.3	75.8	83.3	90.8	104.8	112.3	119.8	134.8	149.8	164.8		8.00	12.00	5.44	6.30	7.57	9.43	12.60
60.8	62.8	68.3	71.8	79.3	86.8	100.8	108.3	115.8	130.9	145.9	160.9		10.00	15.00	7.40	8.58	10.30	12.90	17.00
63.5	65.5	71.0	74.5	82.0	89.5	103.5	111.0	118.5	133.5	148.5	163.5		8.60	13.00	6.04	6.99	8.41	10.50	13.90
59.6	61.6	67.1	70.6	78.1	85.6	99.6	107.1	114.6	129.6	144.6	159.6		10.60	16.00	7.98	9.25	11.10	13.90	18.20
56.9	58.9	64.4	67.9	75.4	82.9	96.9	104.4	111.9	126.9	141.9	156.9		12.00	18.00	9.30	10.80	12.90	16.10	20.80
48.9	50.9	56.5	60.0	67.5	75.0	89.0	96.5	104.0	119.0	134.0	149.0		16.00	24.00	12.90	15.00	17.80	21.90	†
40.9	43.0	48.5	52.0	59.5	67.1	81.1	88.6	96.1	111.1	126.2	141.2		20.00	30.00	16.30	18.80	22.30	26.60	†
66.7	68.7	74.2	77.7	85.2	92.7	106.7	114.2	121.7	136.7	151.7	166.7		7.00	10.60	4.44	5.13	6.14	7.63	10.10
62.2	64.2	69.7	73.2	80.8	88.3	102.3	109.8	117.3	132.3	147.3	162.3		9.20	14.00	6.63	7.68	9.24	11.50	15.30
54.5	56.5	62.0	65.5	73.0	80.5	94.5	102.0	109.5	124.5	139.6	154.6		13.00	20.00	10.20	11.90	14.20	17.60	22.50
63.7	65.7	71.2	74.7	82.2	89.7	103.7	111.2	118.7	133.7	148.7	163.7		8.40	13.00	5.84	6.76	8.13	10.10	13.50
62.4	64.4	69.9	73.4	80.9	88.4	102.4	109.9	117.4	132.4	147.4	162.4		9.00	14.00	6.43	7.45	8.96	11.20	14.80
66.3	68.3	73.8	77.3	84.8	92.3	106.4	113.9	121.4	136.4	151.4	166.4		7.00	11.00	4.44	5.13	6.14	7.63	10.10
61.1	63.1	68.6	72.1	79.6	87.1	101.2	108.7	116.2	131.2	146.2	161.2		9.60	15.00	7.01	8.13	9.78	12.20	16.10
65.1	67.1	72.6	76.1	83.6	91.1	105.1	112.6	120.1	135.1	150.1	165.1		7.60	12.00	5.04	5.83	7.00	8.72	11.60
60.0	62.0	67.5	71.0	78.5	86.0	100.0	107.5	115.1	130.1	145.1	160.1		10.00	16.00	7.40	8.58	10.30	12.90	17.00
49.7	51.7	57.2	60.7	68.2	75.8	89.8	97.3	104.8	119.8	134.8	149.8		15.00	24.00	12.00	14.00	16.70	20.50	†
65.2	67.2	72.7	76.2	83.7	91.2	105.2	112.7	120.2	135.3	150.3	165.3		7.40	12.00	4.84	5.60	6.72	8.36	11.10
64.0	66.0	71.5	75.0	82.5	90.0	104.0	111.5	119.0	134.0	149.0	164.0		8.00	13.00	5.44	6.30	7.57	9.43	12.60
62.7	64.7	70.2	73.7	81.2	88.7	102.7	110.2	117.7	132.7	147.7	162.7		8.60	14.00	6.04	6.99	8.41	10.50	13.90
61.4	63.4	68.9	72.4	80.0	87.5	101.5	109.0	116.5	131.5	146.5	161.5		9.20	15.00	6.63	7.68	9.24	11.50	15.30
57.6	59.6	65.1	68.6	76.2	83.7	97.7	105.2	112.7	127.7	142.7	157.7		11.00	18.00	8.36	9.69	11.60	14.50	19.00
62.9	64.9	70.4	73.9	81.4	88.9	102.9	110.4	117.9	132.9	147.9	162.9		8.40	14.00	5.84	6.76	8.13	10.10	13.50
61.6	63.6	69.1	72.6	80.1	87.6	101.6	109.1	116.6	131.6	146.6	161.6		9.00	15.00	6.43	7.45	8.96	11.20	14.80
60.3	62.3	67.8	71.3	78.8	86.3	100.4	107.9	115.4	130.4	145.4	160.4		9.60	16.00	7.01	8.13	9.78	12.20	16.10
55.2	57.2	62.8	66.3	73.8	81.3	95.3	102.8	110.3	125.3	140.3	155.3		12.00	20.00	9.30	10.80	12.90	16.10	20.80
42.4	44.4	50.0	53.5	61.0	68.6	82.6	90.1	97.6	112.7	127.7	142.7		18.00	30.00	14.70	16.90	20.10	24.40	†
57.9	59.9	65.4	68.9	76.5	84.0	98.0	105.5	113.0	128.0	143.0	158.0		10.60	18.00	7.98	9.25	11.10	13.90	18.20
65.5	67.5	73.0	76.5	84.0	91.6	105.6	113.1	120.6	135.6	150.6	165.6		7.00	12.00	4.44	5.13	6.14	7.63	10.10
64.3	66.3	71.8	75.3	82.8	90.3	104.3	111.8	119.3	134.3	149.3	164.3		7.60	13.00	5.04	5.83	7.00	8.72	11.60
50.4	52.4	58.0	61.5	69.0	76.5	90.5	98.0	105.6	120.6	135.6	150.6		14.00	24.00	11.10	12.90	15.40	19.10	24.10
61.9	63.9	69.4	72.9	80.4	87.9	101.9	109.4	116.9	131.9	146.9	161.9		8.60	15.00	6.10	7.08	8.52	10.60	14.10
60.6	62.6	68.1	71.6	79.1	86.7	100.7	108.2	115.7	130.7	145.7	160.7		9.20	16.00	6.69	7.77	9.35	11.60	15.50
63.2	65.2	70.7	74.2	81.7	89.2	103.2	110.7	118.2	133.2	148.2	163.2		8.00	14.00	5.50	6.39	7.68	9.57	12.80
64.4	66.4	71.9	75.4	82.9	90.4	104.4	112.0	119.5	134.5	149.5	164.5		7.40	13.00	4.90	5.69	6.83	8.50	11.30
60.8	62.8	68.3	71.8	79.3	86.8	100.8	108.3	115.8	130.8	145.8	160.8		9.00	16.00	6.49	7.54	9.07	11.30	15.00

Key to correction factors: 1.0 1.1 1.2

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.



M Section Micro-V® Belt Drive Selection Table

Table No. 34

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches										
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	900	940	990	1060	1115	1150	1185	1230	1310	1390	1470
323	388	489	652	983	8.40	15.00	1.78	26.4	28.4	31.0	34.5	37.2	39.0	40.7	43.0	47.0	51.0	55.0
321	385	486	648	978	10.00	18.00	1.79	22.7	24.7	27.2	30.8	33.5	35.3	37.1	39.3	43.3	47.4	51.4
319	383	483	644	972	20.00	36.00	1.80											
318	381	481	641	967	11.00	20.00	1.81	20.2	22.2	24.8	28.3	31.1	32.9	34.6	36.9	40.9	44.9	49.0
314	377	475	634	956	7.60	14.00	1.83	27.9	29.9	32.4	35.9	38.7	40.4	42.2	44.4	48.4	52.4	56.5
313	375	473	630	951	7.00	13.00	1.84	29.1	31.2	33.7	37.2	39.9	41.7	43.4	45.7	49.7	53.7	57.7
313	375	473	630	951	13.00	24.00	1.84				23.3	26.1	27.9	29.7	32.0	36.0	40.1	44.1
311	373	470	627	946	8.60	16.00	1.85	25.4	27.4	30.0	33.5	36.3	38.0	39.8	42.0	46.0	50.1	54.1
309	371	468	624	941	8.00	15.00	1.86	26.7	28.7	31.2	34.8	37.5	39.3	41.0	43.3	47.3	51.3	55.3
309	371	468	624	941	9.60	18.00	1.86	22.9	25.0	27.5	31.0	33.8	35.6	37.3	39.6	43.6	47.6	51.7
307	369	465	620	936	16.00	30.00	1.87									28.5	32.6	36.7
306	367	463	617	931	7.40	14.00	1.88	28.0	30.0	32.5	36.0	38.8	40.6	42.3	44.6	48.6	52.6	56.6
306	367	463	617	931	10.60	20.00	1.88	20.4	22.5	25.0	28.6	31.4	33.1	34.9	37.2	41.2	45.2	49.3
304	365	460	614	926	8.40	16.00	1.89	25.6	27.6	30.1	33.6	36.4	38.2	39.9	42.2	46.2	50.2	54.2
296	356	448	598	902	9.20	18.00	1.94	23.2	25.3	27.8	31.3	34.1	35.9	37.6	39.9	43.9	47.9	52.0
293	352	444	592	893	7.60	15.00	1.96	27.0	29.0	31.5	35.1	37.8	39.6	41.3	43.6	47.6	51.6	55.6
290	348	439	586	884	7.00	14.00	1.98	28.3	30.3	32.8	36.3	39.1	40.9	42.6	44.9	48.9	52.9	56.9
289	347	437	583	879	8.00	16.00	1.99	25.9	27.9	30.4	33.9	36.7	38.5	40.2	42.5	46.5	50.5	54.5
289	347	437	583	879	9.00	18.00	1.99	23.4	25.4	27.9	31.5	34.3	36.0	37.8	40.1	44.1	48.1	52.1
289	347	437	583	879	10.00	20.00	1.99	20.9	22.9	25.5	29.0	31.8	33.6	35.3	37.6	41.6	45.7	49.7
289	347	437	583	879	12.00	24.00	1.99			20.4	24.0	26.8	28.6	30.4	32.7	36.8	40.8	44.8
289	347	437	583	879	15.00	30.00	1.99								25.1	29.2	33.3	37.4
289	347	437	583	879	18.00	36.00	1.99											29.7
286	343	433	577	871	7.40	15.00	2.01	27.2	29.2	31.7	35.2	38.0	39.7	41.5	43.8	47.8	51.8	55.8
278	333	420	560	845	9.60	20.00	2.07	21.1	23.2	25.7	29.3	32.1	33.9	35.6	37.9	41.9	46.0	50.0
276	332	418	558	841	8.60	18.00	2.08	23.7	25.7	28.2	31.8	34.5	36.3	38.1	40.3	44.4	48.4	52.4
275	330	416	555	837	7.60	16.00	2.09	26.1	28.2	30.7	34.2	37.0	38.7	40.5	42.8	46.8	50.8	54.8
271	325	410	547	825	7.00	15.00	2.12	27.4	29.5	32.0	35.5	38.3	40.0	41.8	44.0	48.1	52.1	56.1
270	324	408	545	822	8.40	18.00	2.13	23.8	25.8	28.4	31.9	34.7	36.5	38.2	40.5	44.5	48.5	52.6
270	324	408	545	822	14.00	30.00	2.13								25.7	29.9	34.0	38.1
269	322	407	542	818	7.40	16.00	2.14	26.3	28.3	30.8	34.4	37.1	38.9	40.7	42.9	46.9	50.9	55.0
266	319	403	537	810	9.20	20.00	2.16	21.4	23.5	26.0	29.6	32.4	34.2	35.9	38.2	42.2	46.3	50.3
265	318	401	535	806	11.00	24.00	2.17			21.0	24.7	27.5	29.3	31.1	33.4	37.5	41.5	45.6
263	315	397	530	799	20.00	44.00	2.19											
260	312	394	525	792	9.00	20.00	2.21	21.5	23.6	26.2	29.7	32.5	34.3	36.1	38.3	42.4	46.4	50.4
258	309	390	520	785	8.00	18.00	2.23	24.1	26.1	28.7	32.2	35.0	36.7	38.5	40.8	44.8	48.8	52.9
257	308	388	518	781	16.00	36.00	2.24											31.1
256	307	387	516	778	10.60	24.00	2.25			21.3	24.9	27.8	29.6	31.4	33.7	37.7	41.8	45.8
254	305	385	513	774	7.00	16.00	2.26	26.6	28.6	31.1	34.7	37.4	39.2	40.9	43.2	47.2	51.2	55.3
250	300	378	504	761	13.00	30.00	2.30							24.0	26.4	30.6	34.7	38.8
249	299	377	502	758	8.60	20.00	2.31	21.8	23.9	26.4	30.0	32.8	34.6	36.4	38.6	42.7	46.7	50.7
245	294	370	494	745	7.60	18.00	2.35	24.3	26.4	28.9	32.5	35.3	37.0	38.8	41.1	45.1	49.1	53.1
244	292	369	492	742	8.40	20.00	2.36	21.9	24.0	26.6	30.1	32.9	34.7	36.5	38.8	42.8	46.8	50.9
242	290	366	487	735	10.00	24.00	2.38		19.0	21.7	25.3	28.2	30.0	31.8	34.1	38.2	42.2	46.3
241	289	364	485	732	15.00	36.00	2.39										27.5	31.7
239	286	361	481	726	7.40	18.00	2.41	24.5	26.5	29.1	32.6	35.4	37.2	39.0	41.2	45.3	49.3	53.3
236	283	357	475	717	18.00	44.00	2.44											
232	278	351	468	706	8.00	20.00	2.48	22.2	24.3	26.8	30.4	33.2	35.0	36.8	39.1	43.1	47.1	51.2
232	278	351	468	706	9.60	24.00	2.48		19.3	21.9	25.6	28.5	30.3	32.1	34.4	38.4	42.5	46.6
231	277	349	466	703	12.00	30.00	2.49						22.7	24.6	27.0	31.2	35.4	39.5
225	271	341	455	686	7.00	18.00	2.55	24.8	26.8	29.4	32.9	35.7	37.5	39.2	41.5	45.5	49.6	53.6
225	270	340	453	684	14.00	36.00	2.56										28.1	32.4
222	266	336	448	676	9.20	24.00	2.59		19.5	22.2	25.9	28.7	30.5	32.3	34.6	38.7	42.8	46.9

Key to correction factors: 0.8 0.9 1.0

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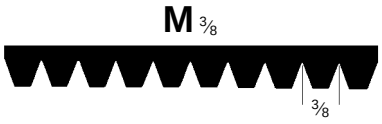
Length Designation and Center Distance, Inches												Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
1610	1650	1760	1830	1980	2130	2410	2560	2710	3010	3310	3610	Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
62.0	64.0	69.6	73.1	80.6	88.1	102.1	109.6	117.1	132.1	147.1	162.1	8.40	15.00	5.90	6.85	8.24	10.30	13.70
58.4	60.4	65.9	69.4	76.9	84.4	98.4	105.9	113.4	128.5	143.5	158.5	10.00	18.00	7.46	8.67	10.40	13.00	17.20
35.6	37.7	43.3	46.9	54.5	62.0	76.1	83.7	91.2	106.2	121.3	136.3	20.00	36.00	16.40	18.90	22.40	26.70	†
56.0	58.0	63.5	67.0	74.5	82.0	96.1	103.6	111.1	126.1	141.1	156.1	11.00	20.00	8.42	9.78	11.70	14.60	19.20
63.5	65.5	71.0	74.5	82.0	89.5	103.5	111.0	118.5	133.5	148.5	163.5	7.60	14.00	5.10	5.92	7.11	8.86	11.80
64.7	66.7	72.2	75.7	83.2	90.8	104.8	112.3	119.8	134.8	149.8	164.8	7.00	13.00	4.50	5.22	6.25	7.77	10.30
51.2	53.2	58.7	62.2	69.7	77.3	91.3	98.8	106.3	121.3	136.3	151.4	13.00	24.00	10.30	12.00	14.30	17.70	22.70
61.1	63.1	68.6	72.1	79.6	87.1	101.1	108.6	116.1	131.1	146.1	161.1	8.60	16.00	6.10	7.08	8.52	10.60	14.10
62.3	64.3	69.9	73.4	80.9	88.4	102.4	109.9	117.4	132.4	147.4	162.4	8.00	15.00	5.50	6.39	7.68	9.57	12.80
58.7	60.7	66.2	69.7	77.2	84.7	98.7	106.3	113.8	128.8	143.8	158.8	9.60	18.00	7.07	8.22	9.89	12.30	16.30
43.8	45.9	51.4	54.9	62.5	70.0	84.1	91.6	99.1	114.2	129.2	144.2	16.00	30.00	13.00	15.10	17.90	22.00	†
63.6	65.6	71.1	74.6	82.1	89.6	103.6	111.2	118.7	133.7	148.7	163.7	7.40	14.00	4.90	5.69	6.83	8.50	11.30
56.3	58.3	63.8	67.3	74.8	82.3	96.4	103.9	111.4	126.4	141.4	156.4	10.60	20.00	8.04	9.34	11.20	14.00	18.40
61.2	63.2	68.7	72.2	79.8	87.3	101.3	108.8	116.3	131.3	146.3	161.3	8.40	16.00	5.90	6.85	8.24	10.30	13.70
59.0	61.0	66.5	70.0	77.5	85.0	99.1	106.6	114.1	129.1	144.1	159.1	9.20	18.00	6.69	7.77	9.35	11.60	15.50
62.6	64.7	70.2	73.7	81.2	88.7	102.7	110.2	117.7	132.7	147.7	162.7	7.60	15.00	5.10	5.92	7.11	8.86	11.80
63.9	65.9	71.4	74.9	82.4	89.9	104.0	111.5	119.0	134.0	149.0	164.0	7.00	14.00	4.50	5.22	6.25	7.77	10.30
61.5	63.5	69.0	72.5	80.1	87.6	101.6	109.1	116.6	131.6	146.6	161.6	8.00	16.00	5.50	6.39	7.68	9.57	12.80
59.1	61.1	66.7	70.2	77.7	85.2	99.2	106.7	114.2	129.2	144.2	159.2	9.00	18.00	6.49	7.54	9.07	11.30	15.00
56.7	58.7	64.3	67.8	75.3	82.8	96.8	104.3	111.8	126.9	141.9	156.9	10.00	20.00	7.46	8.67	10.40	13.00	17.20
51.9	53.9	59.4	63.0	70.5	78.0	92.0	99.6	107.1	122.1	137.1	152.1	12.00	24.00	9.36	10.90	13.00	16.20	21.00
44.5	46.6	52.1	55.7	63.2	70.8	84.8	92.4	99.9	114.9	130.0	145.0	15.00	30.00	12.10	14.10	16.80	20.60	†
37.0	39.1	44.7	48.3	55.9	63.5	77.6	85.1	92.7	107.7	122.8	137.8	18.00	36.00	14.80	17.00	20.20	24.50	†
62.8	64.8	70.3	73.8	81.3	88.8	102.8	110.4	117.9	132.9	147.9	162.9	7.40	15.00	4.90	5.69	6.83	8.50	11.30
57.0	59.0	64.6	68.1	75.6	83.1	97.1	104.6	112.1	127.2	142.2	157.2	9.60	20.00	7.07	8.22	9.89	12.30	16.30
59.4	61.4	67.0	70.5	78.0	85.5	99.5	107.0	114.5	129.5	144.5	159.5	8.60	18.00	6.10	7.08	8.52	10.60	14.10
61.8	63.8	69.3	72.9	80.4	87.9	101.9	109.4	116.9	131.9	146.9	161.9	7.60	16.00	5.10	5.92	7.11	8.86	11.80
63.1	65.1	70.6	74.1	81.6	89.1	103.2	110.7	118.2	133.2	148.2	163.2	7.00	15.00	4.50	5.22	6.25	7.77	10.30
59.6	61.6	67.1	70.6	78.1	85.6	99.7	107.2	114.7	129.7	144.7	159.7	8.40	18.00	5.90	6.85	8.24	10.30	13.70
45.3	47.3	52.9	56.4	64.0	71.5	85.6	93.1	100.6	115.7	130.7	145.7	14.00	30.00	11.20	13.00	15.50	19.20	24.30
62.0	64.0	69.5	73.0	80.5	88.0	102.0	109.5	117.1	132.1	147.1	162.1	7.40	16.00	4.90	5.69	6.83	8.50	11.30
57.3	59.3	64.9	68.4	75.9	83.4	97.4	104.9	112.4	127.5	142.5	157.5	9.20	20.00	6.69	7.77	9.35	11.60	15.50
52.6	54.6	60.2	63.7	71.2	78.8	92.8	100.3	107.8	122.9	137.9	152.9	11.00	24.00	8.42	9.78	11.70	14.60	19.20
		35.7	39.4	47.2	54.9	69.2	76.8	84.4	99.5	114.6	129.7	20.00	44.00	16.40	18.90	22.40	26.70	†
57.5	59.5	65.0	68.5	76.0	83.6	97.6	105.1	112.6	127.6	142.6	157.6	9.00	20.00	6.49	7.54	9.07	11.30	15.00
59.9	61.9	67.4	70.9	78.4	85.9	100.0	107.5	115.0	130.0	145.0	160.0	8.00	18.00	5.50	6.39	7.68	9.57	12.80
38.4	40.4	46.1	49.7	57.3	64.9	79.0	86.6	94.1	109.2	124.3	139.3	16.00	36.00	13.00	15.10	17.90	22.00	†
52.9	54.9	60.5	64.0	71.5	79.1	93.1	100.6	108.1	123.2	138.2	153.2	10.60	24.00	8.04	9.34	11.20	14.00	18.40
62.3	64.3	69.8	73.3	80.8	88.3	102.3	109.9	117.4	132.4	147.4	162.4	7.00	16.00	4.50	5.22	6.25	7.77	10.30
46.0	48.0	53.6	57.1	64.7	72.2	86.3	93.9	101.4	116.4	131.5	146.5	13.00	30.00	10.30	12.00	14.30	17.70	22.70
57.8	59.8	65.3	68.8	76.3	83.9	97.9	105.4	112.9	127.9	142.9	157.9	8.60	20.00	6.10	7.08	8.52	10.60	14.10
60.2	62.2	67.7	71.2	78.7	86.2	100.3	107.8	115.3	130.3	145.3	160.3	7.60	18.00	5.17	6.00	7.21	9.00	12.00
57.9	59.9	65.4	69.0	76.5	84.0	98.0	105.5	113.1	128.1	143.1	158.1	8.40	20.00	5.97	6.93	8.34	10.40	13.90
53.4	55.4	60.9	64.4	72.0	79.5	93.5	101.1	108.6	123.6	138.6	153.7	10.00	24.00	7.53	8.75	10.50	13.20	17.40
39.1	41.1	46.8	50.4	58.0	65.6	79.8	87.3	94.9	110.0	125.0	140.1	15.00	36.00	12.10	14.20	16.90	20.80	†
60.3	62.3	67.9	71.4	78.9	86.4	100.4	107.9	115.4	130.5	145.5	160.5	7.40	18.00	4.97	5.77	6.93	8.64	11.50
		37.0	40.8	48.6	56.3	70.6	78.3	85.8	101.0	116.1	131.2	18.00	44.00	14.80	17.10	20.30	24.70	†
58.2	60.2	65.7	69.3	76.8	84.3	98.3	105.8	113.4	128.4	143.4	158.4	8.00	20.00	5.57	6.47	7.78	9.71	13.00
53.6	55.7	61.2	64.7	72.3	79.8	93.8	101.4	108.9	123.9	138.9	154.0	9.60	24.00	7.14	8.30	9.99	12.50	16.50
46.7	48.7	54.3	57.8	65.4	73.0	87.1	94.6	102.1	117.2	132.2	147.3	12.00	30.00	9.43	11.00	13.10	16.40	21.20
60.6	62.6	68.2	71.7	79.2	86.7	100.7	108.2	115.7	130.8	145.8	160.8	7.00	18.00	4.57	5.30	6.35	7.91	10.60
39.7	41.8	47.5	51.1	58.7	66.3	80.5	88.1	95.6	110.7	125.8	140.8	14.00	36.00	11.20	13.10	15.60	19.40	24.50
53.9	55.9	61.5	65.0	72.6	80.1	94.1	101.7	109.2	124.2	139.2	154.3	9.20	24.00	6.76	7.85	9.45	11.80	15.70

Key to correction factors: 0.9 | 1.0 | 1.1 | 1.2

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.



M Section Micro-V® Belt Drive Selection Table

Table No. 34

DriveN Speed For Motor Speed of					Sheave Outside Diameters			Length Designation and Center Distance, Inches										
575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM	Small Sheave	Large Sheave	Speed Ratio	900	940	990	1060	1115	1150	1185	1230	1310	1390	1470
220	264	333	444	670	7.60	20.00	2.61	22.5	24.6	27.1	30.7	33.5	35.3	37.1	39.3	43.4	47.4	51.5
217	260	328	438	660	9.00	24.00	2.65		19.7	22.3	26.0	28.9	30.7	32.5	34.8	38.9	42.9	47.0
215	257	325	433	653	7.40	20.00	2.68	22.6	24.7	27.3	30.8	33.7	35.4	37.2	39.5	43.5	47.6	51.6
212	255	321	428	646	11.00	30.00	2.71						23.4	25.3	27.7	31.9	36.1	40.2
210	252	318	423	639	16.00	44.00	2.74											
209	251	316	422	636	13.00	36.00	2.75										28.7	33.0
208	249	314	419	632	8.60	24.00	2.77		19.9	22.6	26.3	29.1	31.0	32.8	35.1	39.2	43.2	47.3
205	246	310	413	623	10.60	30.00	2.81						23.6	25.5	27.9	32.2	36.3	40.5
203	244	307	410	618	7.00	20.00	2.83	22.9	25.0	27.5	31.1	33.9	35.7	37.5	39.8	43.8	47.9	51.9
203	244	307	410	618	8.40	24.00	2.83	17.9	20.0	22.7	26.4	29.3	31.1	32.9	35.2	39.3	43.4	47.4
197	236	298	397	599	15.00	44.00	2.92											
194	232	293	391	589	8.00	24.00	2.97	18.1	20.3	23.0	26.7	29.5	31.4	33.2	35.5	39.6	43.6	47.7
193	232	292	389	587	10.00	30.00	2.98					22.1	24.0	25.9	28.3	32.6	36.7	40.9
193	232	292	389	587	12.00	36.00	2.98										29.4	33.7
185	223	281	374	565	9.60	30.00	3.10					22.3	24.3	26.2	28.6	32.8	37.0	41.1
184	220	278	371	559	7.60	24.00	3.13	18.4	20.6	23.2	26.9	29.8	31.6	33.4	35.8	39.9	43.9	48.0
184	220	278	371	559	14.00	44.00	3.13											
179	215	271	361	545	7.40	24.00	3.21	18.5	20.7	23.4	27.1	30.0	31.8	33.6	35.9	40.0	44.1	48.1
178	214	269	359	542	9.20	30.00	3.23					22.6	24.5	26.4	28.9	33.1	37.3	41.4
177	212	268	357	538	11.00	36.00	3.25									25.5	30.0	34.3
174	209	264	352	530	9.00	30.00	3.30					22.7	24.6	26.6	29.0	33.2	37.4	41.6
171	205	259	345	521	13.00	44.00	3.36											
171	205	258	344	519	10.60	36.00	3.37									25.8	30.3	34.6
170	204	257	342	516	7.00	24.00	3.39	18.7	20.9	23.6	27.3	30.2	32.0	33.8	36.2	40.3	44.4	48.4
166	199	251	335	506	8.60	30.00	3.46					23.0	24.9	26.8	29.2	33.5	37.7	41.8
162	195	246	328	494	8.40	30.00	3.54					23.1	25.0	26.9	29.4	33.6	37.8	42.0
161	193	244	325	490	10.00	36.00	3.57									26.2	30.6	35.0
158	190	239	319	481	12.00	44.00	3.64											
155	186	235	313	472	8.00	30.00	3.71					23.3	25.3	27.2	29.6	33.9	38.1	42.2
155	185	234	312	470	9.60	36.00	3.72									26.4	30.9	35.2
148	178	224	299	451	9.20	36.00	3.88									26.6	31.1	35.5
147	177	223	297	449	7.60	30.00	3.90				20.4	23.6	25.5	27.4	29.9	34.1	38.3	42.5
145	174	220	293	442	9.00	36.00	3.96									26.8	31.3	35.6
145	174	219	292	441	11.00	44.00	3.97											
143	172	217	289	436	7.40	30.00	4.01				20.5	23.7	25.7	27.6	30.0	34.3	38.5	42.6
140	167	211	282	425	10.60	44.00	4.12											
139	167	210	280	423	8.60	36.00	4.14									27.0	31.5	35.9
136	163	206	274	414	7.00	30.00	4.23				20.8	23.9	25.9	27.8	30.3	34.5	38.7	42.9
136	163	205	274	413	8.40	36.00	4.24									27.1	31.6	36.0
132	158	200	266	401	10.00	44.00	4.36											
129	155	196	261	393	8.00	36.00	4.45									27.4	31.9	36.3
127	152	192	256	385	9.60	44.00	4.54											
123	147	186	248	374	7.60	36.00	4.68									27.6	32.1	36.5
121	146	184	245	369	9.20	44.00	4.74											
120	143	181	241	364	7.40	36.00	4.81									27.7	32.3	36.6
119	143	180	240	362	9.00	44.00	4.84											
114	136	172	229	346	8.60	44.00	5.06											
113	136	171	228	344	7.00	36.00	5.08								23.2	28.0	32.5	36.9
111	133	168	224	338	8.40	44.00	5.18											
106	127	160	213	322	8.00	44.00	5.44											
101	121	152	203	306	7.60	44.00	5.72											
98	118	148	198	298	7.40	44.00	5.87											
93	111	140	187	282	7.00	44.00	6.20											27.2

Key to correction factors: 0.7 0.8 0.9

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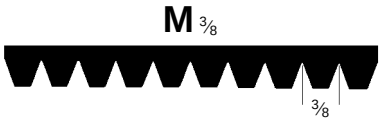
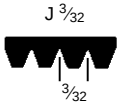


Length Designation and Center Distance, Inches													Sheave Outside Diameters		Rated HP per Rib (Including Allowance for Speed Ratio) RPM of Small Sheave				
1610	1650	1760	1830	1980	2130	2410	2560	2710	3010	3310	3610		Small Sheave	Large Sheave	575 RPM	690 RPM	870 RPM	1160 RPM	1750 RPM
58.5	60.5	66.0	69.6	77.1	84.6	98.6	106.2	113.7	128.7	143.7	158.7		7.60	20.00	5.17	6.00	7.21	9.00	12.00
54.1	56.1	61.6	65.2	72.7	80.2	94.3	101.8	109.3	124.4	139.4	154.4		9.00	24.00	6.56	7.62	9.17	11.50	15.20
58.7	60.7	66.2	69.7	77.2	84.8	98.8	106.3	113.8	128.8	143.9	158.9		7.40	20.00	4.97	5.77	6.93	8.64	11.50
47.4	49.4	55.0	58.5	66.1	73.7	87.8	95.3	102.9	117.9	133.0	148.0		11.00	30.00	8.49	9.86	11.80	14.80	19.40
	32.4	38.3	42.1	49.9	57.7	72.0	79.7	87.3	102.4	117.6	132.7		16.00	44.00	13.00	15.20	18.00	22.20	†
40.4	42.5	48.2	51.8	59.4	67.0	81.2	88.8	96.3	111.4	126.5	141.6		13.00	36.00	10.40	12.10	14.40	17.90	22.90
54.4	56.4	61.9	65.5	73.0	80.5	94.6	102.1	109.6	124.7	139.7	154.7		8.60	24.00	6.17	7.16	8.62	10.80	14.30
47.6	49.7	55.3	58.8	66.4	74.0	88.1	95.6	103.2	118.2	133.3	148.3		10.60	30.00	8.11	9.42	11.30	14.20	18.60
58.9	61.0	66.5	70.0	77.5	85.1	99.1	106.6	114.1	129.1	144.2	159.2		7.00	20.00	4.57	5.30	6.35	7.91	10.60
54.5	56.5	62.1	65.6	73.2	80.7	94.7	102.3	109.8	124.8	139.8	154.9		8.40	24.00	5.97	6.93	8.34	10.40	13.90
	33.0	39.0	42.7	50.6	58.4	72.7	80.4	88.0	103.2	118.3	133.4		15.00	44.00	12.10	14.20	16.90	20.80	†
54.8	56.8	62.4	65.9	73.4	81.0	95.0	102.6	110.1	125.1	140.2	155.2		8.00	24.00	5.57	6.47	7.78	9.71	13.00
48.1	50.1	55.7	59.3	66.9	74.4	88.5	96.1	103.6	118.7	133.7	148.8		10.00	30.00	7.53	8.75	10.50	13.20	17.40
41.1	43.2	48.8	52.4	60.1	67.8	81.9	89.5	97.1	112.2	127.3	142.3		12.00	36.00	9.43	11.00	13.10	16.40	21.20
48.3	50.4	56.0	59.5	67.1	74.7	88.8	96.4	103.9	119.0	134.0	149.1		9.60	30.00	7.14	8.30	9.99	12.50	16.50
55.1	57.1	62.7	66.2	73.7	81.3	95.3	102.9	110.4	125.4	140.5	155.5		7.60	24.00	5.17	6.00	7.21	9.00	12.00
31.4	33.6	39.6	43.4	51.3	59.1	73.4	81.1	88.7	103.9	119.0	134.1		14.00	44.00	11.20	13.10	15.60	19.40	24.50
55.2	57.2	62.8	66.3	73.9	81.4	95.5	103.0	110.5	125.6	140.6	155.6		7.40	24.00	4.97	5.77	6.93	8.64	11.50
48.6	50.7	56.3	59.8	67.4	75.0	89.1	96.7	104.2	119.3	134.3	149.4		9.20	30.00	6.76	7.85	9.45	11.80	15.70
41.7	43.8	49.5	53.1	60.8	68.5	82.7	90.2	97.8	112.9	128.0	143.1		11.00	36.00	8.49	9.86	11.80	14.80	19.40
48.8	50.8	56.4	60.0	67.6	75.2	89.3	96.8	104.4	119.4	134.5	149.5		9.00	30.00	6.56	7.62	9.17	11.50	15.20
32.0	34.2	40.3	44.0	51.9	59.7	74.1	81.8	89.4	104.6	119.8	134.9		13.00	44.00	10.40	12.10	14.40	17.90	22.90
42.0	44.1	49.8	53.4	61.1	68.7	82.9	90.5	98.1	113.2	128.3	143.4		10.60	36.00	8.11	9.42	11.30	14.20	18.60
55.5	57.5	63.1	66.6	74.2	81.7	95.8	103.3	110.8	125.9	140.9	155.9		7.00	24.00	4.57	5.30	6.35	7.91	10.60
49.0	51.1	56.7	60.2	67.9	75.4	89.6	97.1	104.7	119.7	134.8	149.8		8.60	30.00	6.17	7.16	8.62	10.80	14.30
49.2	51.2	56.8	60.4	68.0	75.6	89.7	97.3	104.8	119.9	134.9	150.0		8.40	30.00	5.97	6.93	8.34	10.40	13.90
42.4	44.5	50.2	53.8	61.5	69.2	83.4	91.0	98.5	113.6	128.7	143.8		10.00	36.00	7.53	8.75	10.50	13.20	17.40
32.6	34.9	40.9	44.7	52.6	60.4	74.8	82.5	90.1	105.3	120.5	135.6		12.00	44.00	9.43	11.00	13.10	16.40	21.20
49.4	51.5	57.1	60.7	68.3	75.9	90.0	97.5	105.1	120.2	135.2	150.3		8.00	30.00	5.57	6.47	7.78	9.71	13.00
42.7	44.8	50.5	54.1	61.8	69.4	83.7	91.2	98.8	113.9	129.0	144.1		9.60	36.00	7.14	8.30	9.99	12.50	16.50
42.9	45.0	50.7	54.4	62.1	69.7	83.9	91.5	99.1	114.2	129.3	144.4		9.20	36.00	6.76	7.85	9.45	11.80	15.70
49.7	51.8	57.4	61.0	68.6	76.2	90.3	97.8	105.4	120.5	135.5	150.6		7.60	30.00	5.17	6.00	7.21	9.00	12.00
43.1	45.2	50.9	54.5	62.2	69.9	84.1	91.7	99.3	114.4	129.5	144.5		9.00	36.00	6.56	7.62	9.17	11.50	15.20
33.2	35.5	41.5	45.3	53.3	61.1	75.5	83.2	90.8	106.0	121.2	136.3		11.00	44.00	8.49	9.86	11.80	14.80	19.40
49.9	51.9	57.5	61.1	68.7	76.3	90.4	98.0	105.5	120.6	135.7	150.7		7.40	30.00	4.97	5.77	6.93	8.64	11.50
33.5	35.7	41.8	45.6	53.5	61.4	75.8	83.5	91.1	106.3	121.5	136.6		10.60	44.00	8.11	9.42	11.30	14.20	18.60
43.3	45.4	51.2	54.8	62.5	70.2	84.4	92.0	99.5	114.7	129.8	144.8		8.60	36.00	6.17	7.16	8.62	10.80	14.30
50.1	52.2	57.8	61.4	69.0	76.6	90.7	98.3	105.8	120.9	136.0	151.0		7.00	30.00	4.57	5.30	6.35	7.91	10.60
43.5	45.6	51.3	54.9	62.6	70.3	84.5	92.1	99.7	114.8	129.9	145.0		8.40	36.00	5.97	6.93	8.34	10.40	13.90
33.8	36.1	42.2	46.0	53.9	61.8	76.2	83.9	91.5	106.8	121.9	137.1		10.00	44.00	7.53	8.75	10.50	13.20	17.40
43.7	45.8	51.6	55.2	62.9	70.6	84.8	92.4	100.0	115.1	130.2	145.3		8.00	36.00	5.57	6.47	7.78	9.71	13.00
34.1	36.4	42.4	46.2	54.2	62.0	76.5	84.2	91.8	107.0	122.2	137.3		9.60	44.00	7.14	8.30	9.99	12.50	16.50
44.0	46.1	51.8	55.5	63.2	70.9	85.1	92.7	100.3	115.4	130.5	145.6		7.60	36.00	5.17	6.00	7.21	9.00	12.00
34.3	36.6	42.7	46.5	54.5	62.3	76.8	84.4	92.1	107.3	122.5	137.6		9.20	44.00	6.76	7.85	9.45	11.80	15.70
44.1	46.2	52.0	55.6	63.3	71.0	85.2	92.8	100.4	115.5	130.6	145.7		7.40	36.00	4.97	5.77	6.93	8.64	11.50
34.5	36.7	42.8	46.6	54.6	62.4	76.9	84.6	92.2	107.5	122.6	137.8		9.00	44.00	6.56	7.62	9.17	11.50	15.20
34.7	37.0	43.1	46.9	54.9	62.7	77.2	84.9	92.5	107.8	122.9	138.1		8.60	44.00	6.17	7.16	8.62	10.80	14.30
44.4	46.5	52.2	55.9	63.6	71.3	85.5	93.1	100.7	115.8	130.9	146.0		7.00	36.00	4.57	5.30	6.35	7.91	10.60
34.8	37.1	43.2	47.0	55.0	62.8	77.3	85.0	92.7	107.9	123.1	138.2		8.40	44.00	5.97	6.93	8.34	10.40	13.90
35.1	37.3	43.5	47.3	55.2	63.1	77.6	85.3	92.9	108.2	123.4	138.5		8.00	44.00	5.57	6.47	7.78	9.71	13.00
35.3	37.6	43.7	47.5	55.5	63.4	77.9	85.6	93.2	108.5	123.7	138.8		7.60	44.00	5.17	6.00	7.21	9.00	12.00
35.4	37.7	43.8	47.6	55.6	63.5	78.0	85.7	93.4	108.6	123.8	138.9		7.40	44.00	4.97	5.77	6.93	8.64	11.50
35.7	38.0	44.1	47.9	55.9	63.8	78.3	86.0	93.6	108.9	124.1	139.2		7.00	44.00	4.57	5.30	6.35	7.91	10.60

Key to correction factors: 0.8 | 0.9 | 1.0 | 1.1 | 1.2

†For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.



J Section Micro-V® Belt — Rated Horsepower Per Rib

Table No. 35

RPM of Faster Shaft	Rated Horsepower Per Rib for Small Sheave Outside Diameter, Inches																										RPM of Faster Shaft	Additional Horsepower Per Rib for Speed Ratio								
	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.20	2.40	2.60	2.80	3.00	3.25	3.50	3.75	4.00	4.50	5.00	5.50	6.00		1.00 to 1.02	1.03 to 1.06	1.07 to 1.10	1.11 to 1.16	1.17 to 1.23	1.24 to 1.33	1.34 to 1.47	1.48 to 1.71	1.72 to 2.31	2.32 and over
950	0.02	0.04	0.05	0.06	0.07	0.09	0.10	0.11	0.12	0.13	0.15	0.16	0.17	0.19	0.21	0.24	0.26	0.28	0.31	0.34	0.36	0.39	0.44	0.50	0.55	0.60	950	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
1160	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17	0.19	0.20	0.23	0.26	0.28	0.31	0.34	0.37	0.40	0.43	0.47	0.53	0.59	0.65	0.71	1160	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02
1425	0.03	0.05	0.07	0.08	0.10	0.12	0.14	0.15	0.17	0.19	0.21	0.22	0.24	0.27	0.30	0.34	0.37	0.40	0.44	0.48	0.52	0.56	0.63	0.71	0.78	0.85	1425	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02
1750	0.03	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.22	0.24	0.26	0.28	0.32	0.36	0.40	0.44	0.48	0.53	0.57	0.62	0.66	0.75	0.84	0.93	1.01	1750	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03
2850	0.04	0.08	0.11	0.14	0.17	0.21	0.24	0.27	0.30	0.33	0.36	0.40	0.43	0.49	0.55	0.61	0.66	0.72	0.79	0.86	0.93	0.99	1.12	1.25	1.37	1.48	2850	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04
3450	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.31	0.35	0.39	0.43	0.46	0.50	0.57	0.64	0.71	0.77	0.84	0.92	1.00	1.08	1.15	1.30	1.44	1.57	1.68	3450	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05
100	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.07	0.07	0.08	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.09	0.10	0.11	0.12	0.14	0.15	200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.13	0.14	0.16	0.18	0.20	0.22	300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.21	0.23	0.26	0.28	400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
500	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.10	0.11	0.12	0.13	0.15	0.16	0.18	0.19	0.21	0.22	0.25	0.28	0.31	0.34	500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
600	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.10	0.11	0.11	0.13	0.14	0.16	0.17	0.19	0.21	0.22	0.24	0.26	0.30	0.33	0.37	0.40	600	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
700	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.08	0.09	0.10	0.11	0.12	0.13	0.15	0.16	0.18	0.20	0.22	0.24	0.26	0.28	0.30	0.34	0.38	0.42	0.46	700	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
800	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.11	0.12	0.13	0.14	0.15	0.17	0.18	0.20	0.22	0.24	0.27	0.29	0.31	0.34	0.38	0.43	0.47	0.52	800	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
900	0.02	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.12	0.13	0.14	0.15	0.16	0.18	0.20	0.23	0.25	0.27	0.30	0.32	0.35	0.37	0.42	0.47	0.52	0.57	900	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
1000	0.02	0.04	0.05	0.06	0.08	0.09	0.10	0.11	0.13	0.14	0.15	0.16	0.18	0.20	0.22	0.25	0.27	0.29	0.32	0.35	0.38	0.41	0.46	0.52	0.57	0.63	1000	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
1100	0.03	0.04	0.05	0.07	0.08	0.10	0.11	0.12	0.14	0.15	0.16	0.18	0.19	0.22	0.24	0.27	0.30	0.32	0.35	0.38	0.41	0.44	0.51	0.56	0.62	0.68	1100	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02
1200	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.21	0.23	0.26	0.29	0.32	0.35	0.38	0.41	0.45	0.48	0.55	0.61	0.67	0.74	1200	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02
1300	0.03	0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17	0.19	0.21	0.22	0.25	0.28	0.31	0.34	0.37	0.41	0.44	0.48	0.51	0.58	0.65	0.72	0.79	1300	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02
1400	0.03	0.05	0.07	0.08	0.10	0.12	0.13	0.15	0.17	0.19	0.20	0.22	0.24	0.27	0.30	0.33	0.36	0.39	0.43	0.47	0.51	0.55	0.62	0.70	0.77	0.84	1400	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02
1500	0.03	0.05	0.07	0.09	0.11	0.12	0.14	0.16	0.18	0.20	0.21	0.23	0.25	0.28	0.32	0.35	0.39	0.42	0.46	0.50	0.54	0.58	0.66	0.74	0.81	0.89	1500	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02
1600	0.03	0.05	0.07	0.09	0.11	0.13	0.15	0.17	0.19	0.21	0.23	0.24	0.26	0.30	0.34	0.37	0.41	0.44	0.49	0.53	0.57	0.62	0.70	0.78	0.86	0.94	1600	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
1700	0.03	0.05	0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.22	0.24	0.26	0.28	0.32	0.35	0.39	0.43	0.47	0.51	0.56	0.60	0.65	0.74	0.82	0.91	0.99	1700	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
1800	0.03	0.06	0.08	0.10	0.12	0.14	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.33	0.37	0.41	0.45	0.49	0.54	0.59	0.63	0.68	0.77	0.86	0.95	1.04	1800	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03
1900	0.04	0.06	0.08	0.11	0.13	0.15	0.17	0.20	0.22	0.24	0.26	0.28	0.30	0.35	0.39	0.43	0.47	0.51	0.56	0.61	0.66	0.71	0.81	0.90	0.99	1.08	1900	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03
2000	0.04	0.06	0.09	0.11	0.13	0.16	0.18	0.20	0.23	0.25	0.27	0.30	0.32	0.36	0.41	0.45	0.49	0.54	0.59	0.64	0.69	0.74	0.84	0.94	1.04	1.13	2000	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03
2200	0.04	0.06	0.09	0.12	0.14	0.17	0.19	0.22	0.25	0.27	0.29	0.32	0.34	0.39	0.44	0.49	0.53	0.58	0.64	0.69	0.75	0.81	0.91	1.02	1.12	1.22	2200	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03
2400	0.04	0.07	0.10	0.12	0.15	0.18	0.21	0.24	0.26	0.29	0.32	0.34	0.37	0.42	0.47	0.52	0.58	0.63	0.69	0.75	0.81	0.87	0.98	1.09	1.20	1.30	2400	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03
2600	0.04	0.07	0.10	0.13	0.16	0.19	0.22	0.25	0.28	0.31	0.34	0.37	0.40	0.45	0.51	0.56	0.61	0.67	0.73	0.80	0.86	0.92	1.05	1.16	1.28	1.38	2600	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04
2800	0.04	0.07	0.11	0.14	0.17	0.20	0.24	0.27	0.30	0.33	0.36	0.39	0.42	0.48	0.54	0.60	0.65	0.71	0.78	0.85	0.91	0.98	1.11	1.23	1.35	1.46	2800	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04
3000	0.04	0.08	0.11	0.15	0.18	0.22	0.25	0.28	0.32	0.35	0.38	0.41	0.44	0.51	0.57	0.63	0.69	0.75	0.82	0.90	0.97	1.04	1.17	1.30	1.42	1.54	3000	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04
3200	0.04	0.08	0.12	0.15	0.19	0.23	0.26	0.30	0.33	0.37	0.40	0.43	0.47	0.54	0.60	0.67	0.73	0.79	0.87	0.94	1.02	1.09	1.23	1.36	1.49	1.60	3200	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05
3400	0.04	0.08	0.12	0.16	0.20	0.24	0.27	0.31	0.35	0.38	0.42	0.46	0.49	0.56	0.63	0.70	0.77	0.83	0.91	0.99	1.07	1.14	1.29	1.42	1.55	1.67	3400	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05
3600	0.04	0.09	0.13	0.17	0.21	0.25	0.29	0.33	0.36	0.40	0.44	0.48	0.52	0.59	0.66	0.73	0.80	0.87	0.95	1.03	1.11	1.19	1.34	1.48	1.61	1.73	3600	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.05
3800	0.04	0.09	0.13	0.17	0.22	0.26	0.30	0.34	0.38	0.42	0.46	0.50	0.54	0.61	0.69	0.76	0.84	0.91	0.99	1.08	1.16	1.24	1.39	1.53	1.67	1.78	3800	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.05
4000	0.04	0.09	0.13	0.18	0.22	0.27	0.31	0.35	0.40	0.44	0.48	0.52	0.56	0.64	0.72	0.80	0.87	0.94	1.03	1.12	1.21	1.29	1.44	1.59	1.72	1.84	4000	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.06
4500	0.04	0.09	0.14	0.19	0.24	0.29	0.34	0.39	0.43	0.48	0.52	0.57	0.61	0.70	0.79	0.87	0.95	1.03	1.13	1.22	1.31	1.40	1.56	1.70	1.83	1.94	4500	0.00	0.01	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.06
5000	0.04	0.10	0.15	0.21	0.26	0.31	0.37	0.42	0.47	0.52	0.57	0.62	0.66	0.76	0.85	0.94	1.03	1.11	1.22	1.31	1.41	1.49	1.66	1.80	1.91	2.01	5000	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.07
5500	0.04	0.10	0.16	0.22	0.28	0.34	0.39	0.45	0.50	0.56	0.61	0.66	0.71	0.81	0.91	1.01	1.10	1.19	1.29	1.39	1.49	1.58	1.74	1.87	1.97	2.04	5500	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.08
6000	0.04	0.11	0.17	0.23	0.30	0.36	0.42	0.48	0.53	0.59	0.65	0.70	0.76	0.87	0.97	1.07	1.17	1.26	1.37	1.47	1.56	1.65	1.80	1.91	1.99	2.02	6000	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
6500	0.04	0.11	0.18	0.24	0.31	0.38	0.44	0.50	0.57	0.63	0.69	0.75	0.80	0.92	1.02	1.13	1.23	1.32	1.43	1.53	1.62	1.71	1.84	1.93	1.98		6500	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
7000	0.04	0.11	0.18	0.25	0.32	0.39	0.46	0.53	0.59	0.66	0.72	0.78	0.84	0.96	1.07	1.18	1.28	1.38	1.48	1.58	1.67	1.75	1.86	1.92			7000	0.00	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.09	0.10
7500	0.03	0.11	0.19	0.26	0.34	0.41	0.48	0.55	0.62	0.69	0.76	0.82	0.88	1.00	1.12	1.23	1.33	1.42	1.53	1.62	1.70	1.77	1.86	1.88			7500	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.10	0.11
8000	0.03	0.11	0.19	0.27	0.35	0.43	0.50	0.58	0.65	0.72	0.79	0.85	0.92	1.04	1.16	1.27	1.37	1.46	1.57	1.65	1.72	1.78	1.83				8000	0.00	0.01	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.11
8500	0.02	0.11	0.20	0.28	0.36	0.44	0.52	0.60	0.67	0.74	0.82	0.88	0.95	1.08	1.20	1.31	1.41	1.49	1.59	1.67	1.73	1.77					8500	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.09	0.11	0.12
9000	0.02	0.11	0.20	0.29	0.37	0.46	0.54	0.62	0.69	0.77	0.84	0.91	0.98	1.11	1.23	1.34	1.43	1.52	1.61	1.67	1.72	1.74					9000	0.00	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.11	0.13
9500	0.01	0.11	0.20	0.29	0.38	0.47	0.55	0.64	0.71	0.79	0.87	0.94	1.01	1.14	1.25	1.36	1.45	1.53	1.61	1.66	1.69	1.69					9500	0.00	0.02	0.03	0.05	0.06	0.08	0.09	0.11	0.12	0.14
10000	0.01	0.11	0.21	0.30	0.39	0.48	0.57	0.65	0.73	0.81	0.89	0.96	1.03	1.16	1.28	1.38	1.47	1.54	1.60	1.64	1.65						10000	0.00	0.02	0.03	0.05	0.06	0.08	0.10	0.11	0.13	0.14

For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.

L Section Micro-V® Belt — Rated Horsepower Per Rib

L 3⁄16

3⁄16

Table No. 36

RPM of Faster Shaft	Rated Horsepower Per Rib for Small Sheave Outside Diameter, Inches 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	6.00	6.20	6.40	6.60	6.80	7.00	7.20	7.40	7.60	7.80	8.00	8.50	9.00	9.50	10.00	11.00	12.00	13.00	14.00	RPM of Faster Shaft	Additional Horsepower Per Rib for Speed Ratio 1.00 to 1.02	1.03 to 1.06	1.07 to 1.10	1.11 to 1.16	1.17 to 1.23	1.24 to 1.33	1.34 to 1.47	1.48 to 1.71	1.72 to 2.31	2.32 and over
575	0.49	0.56	0.63	0.69	0.76	0.83	0.89	0.96	1.02	1.09	1.15	1.22	1.28	1.34	1.41	1.47	1.53	1.60	1.66	1.72	1.78	1.84	1.91	1.97	2.03	2.09	2.24	2.39	2.54	2.69	2.98	3.27	3.56	3.84	575	0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.10
690	0.57	0.65	0.73	0.81	0.88	0.96	1.04	1.12	1.19	1.27	1.35	1.42	1.50	1.57	1.64	1.72	1.79	1.87	1.94	2.01	2.09	2.16	2.23	2.30	2.37	2.44	2.62	2.80	2.97	3.15	3.49	3.82	4.16	4.48	690	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.09	0.10	0.12
725	0.59	0.67	0.76	0.84	0.92	1.00	1.08	1.16	1.24	1.32	1.40	1.48	1.56	1.64	1.72	1.79	1.87	1.95	2.02	2.10	2.18	2.25	2.33	2.40	2.48	2.55	2.74	2.92	3.10	3.28	3.64	3.99	4.33	4.67	725	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.10	0.11	0.12
870	0.68	0.78	0.88	0.97	1.07	1.16	1.26	1.35	1.45	1.54	1.63	1.73	1.82	1.91	2.00	2.09	2.18	2.27	2.36	2.45	2.54	2.63	2.72	2.80	2.89	2.98	3.19	3.41	3.62	3.83	4.24	4.65	5.04	5.43	870	0.00	0.02	0.03	0.05	0.07	0.08	0.10	0.11	0.13	0.15
950	0.73	0.83	0.94	1.04	1.15	1.25	1.35	1.46	1.56	1.66	1.76	1.86	1.96	2.06	2.15	2.25	2.35	2.45	2.54	2.64	2.74	2.83	2.93	3.02	3.11	3.21	3.44	3.67	3.90	4.12	4.56	5.00	5.42	5.83	950	0.00	0.02	0.04	0.05	0.07	0.09	0.11	0.13	0.14	0.16
1160	0.85	0.97	1.10	1.22	1.35	1.47	1.59	1.71	1.83	1.95	2.07	2.19	2.31	2.43	2.54	2.66	2.78	2.89	3.00	3.12	3.23	3.34	3.45	3.57	3.68	3.79	4.06	4.33	4.59	4.86	5.37	5.87	6.35	6.82	1160	0.00	0.02	0.04	0.07	0.09	0.11	0.13	0.15	0.18	0.20
1425	0.99	1.14	1.29	1.44	1.59	1.73	1.88	2.02	2.17	2.31	2.45	2.59	2.73	2.87	3.01	3.15	3.28	3.42	3.55	3.69	3.82	3.95	4.09	4.22	4.35	4.47	4.79	5.11	5.41	5.72	6.30	6.87	7.41	7.93	1425	0.00	0.03	0.05	0.08	0.11	0.13	0.16	0.19	0.22	0.24
1750	1.14	1.33	1.50	1.68	1.86	2.03	2.21	2.38	2.55	2.72	2.89	3.05	3.22	3.38	3.55	3.71	3.87	4.03	4.18	4.34	4.50	4.65	4.80	4.95	5.10	5.25	5.62	5.98	6.32	6.67	7.32	7.94	8.51	9.05	1750	0.00	0.03	0.07	0.10	0.13	0.17	0.20	0.23	0.26	0.30
2850	1.58	1.86	2.12	2.39	2.65	2.91	3.16	3.41	3.66	3.91	4.15	4.38	4.62	4.85	5.07	5.30	5.52	5.73	5.94	6.15	6.36	6.55	6.75	6.94	7.13	7.31	7.75	8.16	8.54	8.89	9.50	9.97	10.3		2850	0.00	0.05	0.11	0.16	0.22	0.27	0.32	0.38	0.43	0.48
3450	1.77	2.09	2.40	2.70	3.00	3.30	3.59	3.87	4.15	4.43	4.69	4.96	5.22	5.47	5.71	5.95	6.19	6.42	6.64	6.85	7.06	7.27	7.46	7.65	7.83	8.01	8.41	8.77	9.08	9.34	9.70				3450	0.00	0.07	0.13	0.20	0.26	0.33	0.39	0.46	0.52	0.59
100	0.12	0.13	0.14	0.16	0.17	0.19	0.20	0.21	0.23	0.24	0.25	0.27	0.28	0.29	0.30	0.32	0.33	0.34	0.36	0.37	0.38	0.40	0.41	0.42	0.43	0.45	0.48	0.51	0.54	0.57	0.63	0.70	0.76	0.82	100	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02
200	0.21	0.24	0.26	0.29	0.31	0.34	0.36	0.39	0.41	0.44	0.46	0.49	0.51	0.54	0.56	0.59	0.61	0.64	0.66	0.68	0.71	0.73	0.76	0.78	0.80	0.83	0.89	0.95	1.01	1.06	1.18	1.29	1.41	1.52	200	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03
300	0.29	0.33	0.37	0.40	0.44	0.48	0.51	0.55	0.59	0.62	0.66	0.70	0.73	0.77	0.80	0.84	0.87	0.91	0.94	0.98	1.01	1.05	1.08	1.12	1.15	1.18	1.27	1.35	1.44	1.52	1.69	1.85	2.02	2.18	300	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.05
400	0.37	0.42	0.47	0.51	0.56	0.61	0.66	0.70	0.75	0.80	0.85	0.89	0.94	0.98	1.03	1.08	1.12	1.17	1.21	1.26	1.30	1.35	1.39	1.44	1.48	1.52	1.63	1.74	1.85	1.96	2.18	2.39	2.60	2.80	400	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.06	0.07
500	0.44	0.50	0.56	0.62	0.68	0.74	0.79	0.85	0.91	0.97	1.02	1.08	1.14	1.19	1.25	1.30	1.36	1.42	1.47	1.53	1.58	1.63	1.69	1.74	1.80	1.85	1.99	2.12	2.25	2.38	2.64	2.90	3.15	3.40	500	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.08
600	0.51	0.58	0.65	0.72	0.79	0.86	0.93	0.99	1.06	1.13	1.20	1.26	1.33	1.39	1.46	1.53	1.59	1.66	1.72	1.79	1.85	1.91	1.98	2.04	2.10	2.17	2.33	2.48	2.64	2.79	3.09	3.39	3.69	3.98	600	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.08	0.09	0.10
700	0.58	0.66	0.74	0.82	0.90	0.97	1.05	1.13	1.21	1.28	1.36	1.44	1.51	1.59	1.67	1.74	1.81	1.89	1.96	2.04	2.11	2.18	2.26	2.33	2.40	2.48	2.65	2.83	3.01	3.18	3.53	3.87	4.21	4.54	700	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.09	0.11	0.12
800	0.64	0.73	0.82	0.91	1.00	1.09	1.18	1.26	1.35	1.44	1.52	1.61	1.69	1.78	1.86	1.95	2.03	2.12	2.20	2.28	2.37	2.45	2.53	2.61	2.69	2.77	2.97	3.17	3.37	3.57	3.95	4.33	4.71	5.07	800	0.00	0.02	0.03	0.05	0.06	0.08	0.09	0.11	0.12	0.14
900	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.39	1.49	1.59	1.68	1.78	1.87	1.97	2.06	2.15	2.25	2.34	2.43	2.52	2.61	2.70	2.80	2.89	2.98	3.06	3.29	3.51	3.72	3.94	4.36	4.78	5.19	5.58	900	0.00	0.02	0.03	0.05	0.07	0.08	0.10	0.12	0.14	0.15
1000	0.76	0.87	0.98	1.09	1.20	1.30	1.41	1.52	1.62	1.73	1.84	1.94	2.04	2.15	2.25	2.35	2.45	2.55	2.66	2.76	2.86	2.95	3.05	3.15	3.25	3.35	3.59	3.83	4.07	4.30	4.76	5.21	5.65	6.08	1000	0.00	0.02	0.04	0.06	0.08	0.09	0.11	0.13	0.15	0.17
1100	0.81	0.94	1.05	1.17	1.29	1.41	1.53	1.64	1.76	1.87	1.99	2.10	2.21	2.32	2.43	2.55	2.66	2.77	2.87	2.98	3.09	3.20	3.31	3.41	3.52	3.62	3.89	4.14	4.40	4.65	5.14	5.63	6.09	6.55	1100	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.15	0.17	0.19
1200	0.87	1.00	1.13	1.26	1.38	1.51	1.64	1.76	1.89	2.01	2.13	2.25	2.38	2.50	2.62	2.74	2.85	2.97	3.09	3.21	3.32	3.44	3.55	3.67	3.78	3.89	4.17	4.45	4.72	4.99	5.52	6.03	6.52	7.00	1200	0.00	0.02	0.05	0.07	0.09	0.11	0.14	0.16	0.18	0.20
1300	0.92	1.06	1.20	1.34	1.48	1.61	1.75	1.88	2.01	2.14	2.28	2.41	2.54	2.67	2.79	2.92	3.05	3.17	3.30	3.42	3.55	3.67	3.79	3.91	4.04	4.16	4.45	4.75	5.04	5.32	5.87	6.41	6.93	7.43	1300	0.00	0.02	0.05	0.07	0.10	0.12	0.15	0.17	0.20	0.22
1400	0.97	1.12	1.27	1.42	1.56	1.71	1.85	1.99	2.14	2.28	2.42	2.56	2.69	2.83	2.97	3.10	3.24	3.37	3.50	3.64	3.77	3.90	4.03	4.16	4.28	4.41	4.73	5.03	5.34	5.64	6.22	6.78	7.32	7.83	1400	0.00	0.03	0.05	0.08	0.11	0.13	0.16	0.18	0.21	0.24
1500	1.02	1.18	1.34	1.50	1.65	1.80	1.96	2.11	2.26	2.41	2.55	2.70	2.85	2.99	3.14	3.28	3.42	3.56	3.70	3.84	3.98	4.12	4.26	4.39	4.53	4.66	4.99	5.31	5.63	5.95	6.55	7.13	7.69	8.21	1500	0.00	0.03	0.06	0.08	0.11	0.14	0.17	0.20	0.23	0.25
1600	1.07	1.24	1.41	1.57	1.73	1.90	2.06	2.22	2.38	2.53	2.69	2.84	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.19	4.34	4.48	4.62	4.76	4.90	5.25	5.59	5.92	6.24	6.87	7.47	8.03	8.57	1600	0.00	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27
1700	1.12	1.30	1.47	1.65	1.82	1.99	2.16	2.33	2.49	2.66	2.82	2.98	3.15	3.31	3.47	3.62	3.78	3.94	4.09	4.24	4.40	4.55	4.70	4.84	4.99	5.14	5.50	5.85	6.19	6.53	7.17	7.78	8.36	8.90	1700	0.00	0.03	0.06	0.10	0.13	0.16	0.19	0.22	0.26	0.29
1800	1.17	1.35	1.54	1.72	1.90	2.08	2.26	2.43	2.61	2.78	2.95	3.12	3.29	3.46	3.63	3.79	3.95	4.12	4.28	4.44	4.59	4.75	4.91	5.06	5.21	5.37	5.74	6.10	6.46	6.80	7.46	8.08	8.66	9.20	1800	0.00	0.03	0.07	0.10	0.14	0.17	0.20	0.24	0.27	0.31
1900	1.21	1.41	1.60	1.79	1.98	2.17	2.35	2.54	2.72	2.90	3.08	3.26	3.43	3.61	3.78	3.95	4.12	4.29	4.46	4.62	4.79	4.95	5.11	5.27	5.43	5.59	5.97	6.35	6.71	7.06	7.74	8.36	8.94	9.47	1900	0.00	0.04	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.32
2000	1.26	1.46	1.66	1.86	2.06	2.25	2.44	2.64	2.83	3.02	3.20	3.39	3.57	3.75	3.93	4.11	4.29	4.46	4.64	4.81	4.98	5.15	5.31	5.48	5.64	5.80	6.20	6.58	6.95	7.31	7.99	8.62	9.20	9.72	2000	0.00	0.04	0.08	0.11	0.15	0.19	0.23	0.26	0.30	0.34
2100	1.30	1.51	1.72	1.93	2.13	2.33	2.54	2.74	2.93	3.13	3.32	3.52	3.71	3.89	4.08	4.27	4.45	4.63	4.81	4.99	5.16	5.33	5.51	5.67	5.84	6.01	6.41	6.80	7.18	7.55	8.24	8.87	9.43	9.93	2100	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
2200	1.34	1.56	1.78	1.99	2.21	2.42	2.63	2.83	3.04	3.24	3.44	3.64	3.84	4.03	4.22	4.42	4.60	4.79	4.98	5.16	5.34	5.52	5.69	5.87	6.04	6.21	6.62	7.02	7.40	7.77	8.46	9.09	9.64	10.1	2200	0.00	0.04	0.08	0.12	0.17	0.21	0.25	0.29	0.33	0.37
2300	1.38	1.61	1.83	2.06	2.28	2.50	2.71	2.93	3.14	3.35	3.56	3.76	3.97	4.17	4.37	4.56	4.76	4.95	5.14	5.33	5.51	5.69	5.87	6.05	6.23	6.40	6.82	7.22	7.61	7.98	8.67	9.29	9.82	10.3	2300	0.00	0.04	0.09	0.13	0.17	0.22	0.26	0.30	0.35	0.39
2400	1.42	1.66	1.89	2.12	2.35	2.58	2.80	3.02	3.24	3.46	3.67	3.88	4.09	4.30	4.50	4.71	4.90	5.10	5.30	5.49	5.68	5.86	6.05	6.23	6.41	6.58	7.01	7.42	7.81	8.18	8.86	9.46	9.97	10.4	2400	0.00	0.05	0.09	0.14	0.18	0.23	0.27	0.32	0.36	0.41
2500	1.46	1.70	1.94	2.18	2.42	2.65	2.88	3.11	3.34	3.56	3.78	4.00	4.21	4.43	4.64	4.84	5.05	5.25	5.45	5.64	5.84	6.03	6.22	6.40	6.58	6.76	7.19	7.60	8.00	8.37	9.04	9.62	10.1	10.5	2500	0.00	0.05	0.09	0.14	0.19	0.24	0.28	0.33	0.38	0.42
2600	1.50	1.75	2.00	2.24	2.49	2.73	2.97	3.20	3.43	3.66	3.89	4.11	4.33	4.55	4.77	4.98	5.19	5.39	5.60	5.80	5.99	6.19	6.38	6.56	6.75	6.93	7.36	7.78	8.17	8.53	9.19	9.75	10.2	10.5	2600	0.00	0.05	0.10	0.15	0.20	0.25	0.29	0.34	0.39	0.44
2700	1.53	1.79	2.05	2.30	2.55	2.80	3.05	3.29	3.53	3.76	3.99	4.22	4.45	4.67	4.89	5.11	5.32	5.53	5.74	5.94	6.14	6.34	6.53	6.72	6.91	7.09	7.53	7.94	8.33	8.69	9.33	9.86	10.3	10.5	2700	0.00	0.05	0.10	0.15	0.20	0.25	0.31	0.36	0.41	0.46
2800	1.57	1.83	2.10	2.36	2.62	2.87	3.12	3.37	3.62	3.86	4.10	4.33	4.56	4.79	5.02	5.24	5.45	5.67	5.88	6.08	6.29	6.48	6.68	6.87	7.06	7.24	7.68	8.09	8.47	8.83	9.45	9.94	10.3		2800	0.00	0.05	0.11	0.16	0.21	0.26	0.32	0.37	0.42	0.48
2900	1.60	1.88	2.15	2.42	2.68	2.94	3.20	3.46	3.71	3.95	4.20	4.44	4.67	4.90	5.13	5.36	5.58	5.80	6.01	6.22	6.42	6.62	6.82	7.01	7.20	7.38	7.82	8.23	8.61	8.95	9.55	10.0	10.3		2900	0.00	0.05	0.11	0.16	0.22	0.27	0.33	0.38	0.44	0.49
3000	1.63	1.92	2.20	2.47	2.74	3.01	3.28	3.54	3.79	4.04	4.29	4.54	4.78	5.02	5.25	5.48	5.70	5.92	6.14	6.35	6.55	6.76	6.95	7.15	7.33	7.52	7.95	8.36	8.73	9.06	9.62	10.0			3000	0.00	0.06	0.11	0.17	0.23	0.28	0.34	0.40	0.45	0.51
3100	1.67	1.96	2.24	2.53	2.80	3.08	3.35	3.61	3.88	4.13	4.39	4.64	4.88	5.12	5.36	5.59	5.82	6.04	6.26	6.47	6.68	6.88	7.08	7.27	7.46	7.64	8.07	8.47	8.83	9.15	9.68	10.0			3100	0.00	0.06	0.12	0.18	0.23	0.29	0.35	0.41	0.47	0.53
3200	1.70	2.00	2.29	2.58	2.86	3.14	3.42	3.69	3.96	4.22	4.48	4.73	4.98	5.23	5.47	5.70	5.93	6.15	6.37	6.59	6.80	7.00	7.20	7.39	7.58	7.76	8.19	8.57	8.92	9.23	9.71				3200	0.00	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
3300	1.73	2.03	2.33	2.63	2.92	3.21	3.49	3.76	4.04	4.30	4.57	4.82	5.08	5.33	5.57	5.80	6.04	6.26	6.48	6.70	6.91	7.11	7.31	7.50	7.69	7.87	8.29	8.66	9.00	9.29	9.72				3300	0.00	0.06	0.12	0.19	0.25	0.31	0.37	0.44	0.50	0.56
3400	1.76	2.07	2.38	2.68	2.97	3.27	3.55	3.84	4.11	4.39	4.65	4.91	5.17	5.42	5.67	5.91	6.14	6.37	6.59	6.80	7.01	7.22	7.41	7.60	7.79	7.96	8.37	8.74	9.06	9.33	9.71				3400	0.00	0.06	0.13	0.19	0.26	0.32	0.38	0.45	0.51	0.58
3500	1.79	2.10	2.42	2.73	3.03	3.33	3.62	3.91	4.19	4.46	4.74	5.00	5.26	5.51	5.76	6.00	6.24	6.47	6.69	6.90	7.11	7.31	7.51	7.70	7.88	8.05	8.45	8.80	9.10	9.35					3500	0.00	0.07	0.13	0.20	0.26	0.33	0.40	0.46	0.53	0.59
3600	1.81	2.14	2.46	2.77	3.08	3.38	3.68	3.97	4.26	4.54	4.81	5.08	5.34	5.60	5.85	6.09	6.33	6.56	6.78	7.00	7.20	7.40	7.60	7.78	7.96	8.13	8.52	8.85	9.13	9.35					3600	0.00	0.07	0.14	0.20	0.27	0.34	0.41	0.48	0.54	0.61
3700	1.84	2.17	2.50	2.82	3.13	3.44	3.74	4.04	4.33	4.61	4.89	5.16	5.43	5.68	5.94	6.18	6.42	6.65	6.87	7.08	7.29	7.49	7.68	7.86	8.03	8.20	8.57	8.89	9.15	9.34					3700	0.00	0.07	0.14	0.21	0.28	0.35	0.42	0.49	0.56	0.63
3800	1.86	2.20	2.53	2.86	3.18	3.49	3.80	4.10	4.40	4.68	4.96	5.24	5.51	5.76	6.02	6.26	6.50	6.73	6.95	7.16	7.36	7.56	7.75	7.93	8.09	8.25	8.61	8.91	9.14	9.31					3800	0.00	0.07	0.14	0.22	0.29	0.36	0.43	0.50	0.57	0.65
3900	1.89	2.23	2.57	2.90	3.23	3.55	3.86	4.16	4.46	4.75	5.04	5.31	5.58	5.84	6.09	6.34	6.57	6.80	7.02	7.23	7.43	7.63	7.81	7.98	8.15	8.30	8.64	8.92	9.12						3900	0.00	0.07	0.15	0.22	0.29	0.37	0.44	0.52	0.59	0.66
4000	1.91	2.26	2.61	2.94	3.27	3.60	3.91	4.22	4.52	4.82	5.10	5.38	5.65	5.91	6.17	6.41	6.65	6.87	7.09	7.30	7.50	7.68	7.86	8.03	8.19	8.34	8.66	8.91	9.08						4000	0.00	0.08	0.15	0.23	0.30	0.38	0.45	0.53	0.60	0.68
4100	1.93	2.29	2.64	2.98	3.32	3.65	3.97	4.28	4.58	4.88	5.17	5.45	5.72	5.98	6.23	6.48	6.71	6.94	7.15	7.36	7.55	7.73	7.91	8.07	8.22	8.36	8.66	8.88							4100	0.00	0.08	0.15	0.23	0.31	0.39	0.46	0.54	0.62	0.70
4200	1.96	2.32	2.67	3.02	3.36	3.69	4.02	4.33	4.64	4.94	5.23	5.51	5.78	6.04	6.30	6.54	6.77	6.99	7.21	7.41	7.60	7.78	7.94	8.10	8.24	8.38	8.65	8.84							4200	0.00	0.08	0.16	0.24	0.32	0.40	0.48	0.55	0.63	0.71
4300	1.98	2.34	2.70	3.06	3.40	3.74	4.06	4.38	4.69	4.99	5.29	5.57	5.84	6.10	6.35	6.59	6.83	7.04	7.25	7.45	7.64	7.81	7.97	8.12	8.26	8.38	8.63								4300	0.00	0.08	0.16	0.24	0.32	0.41	0.49	0.57	0.65	0.73
4400	2.00	2.37	2.74	3.09	3.44	3.78	4.11	4.43	4.74	5.05	5.34	5.62	5.89	6.16	6.41	6.65	6.87	7.09	7.29	7.49	7.67	7.83	7.99	8.13	8.26	8.37	8.59								4400	0.00	0.08	0.17	0.25	0.33	0.41	0.50	0.58	0.66	0.75
4500	2.01	2.39	2.76	3.13	3.48	3.82	4.16	4.48	4.79	5.10	5.39	5.67	5.95	6.21	6.45	6.69	6.92	7.13	7.33	7.52	7.69	7.85	8.00	8.13	8.24	8.35									4500	0.00	0.09	0.17	0.25	0.34	0.42	0.51	0.59	0.68	0.76
4600	2.03	2.42	2.79	3.16	3.51	3.86	4.20	4.52	4.84	5.14	5.44	5.72	5.99	6.25	6.50	6.73	6.95	7.16	7.36	7.54	7.70	7.86	7.99	8.12	8.22	8.31									4600	0.00	0.09	0.17	0.26	0.35	0.43	0.52	0.61	0.69	0.78
4700	2.05	2.44	2.82	3.19	3.55	3.90	4.24	4.57	4.88	5.19	5.48	5.76	6.03	6.29	6.54	6.77	6.98	7.19	7.38	7.55	7.71	7.85	7.98	8.09	8.19	8.27									4700	0.00	0.09	0.18	0.27	0.35	0.44	0.53	0.62	0.71	0.80
4800	2.06	2.46	2.84	3.22	3.58	3.93	4.27	4.61	4.92	5.23	5.52	5.80	6.07	6.33	6.57	6.80	7.01	7.21	7.39	7.55	7.71	7.84	7.96	8.06	8.14										4800	0.00	0.09	0.18	0.27	0.36	0.45	0.54	0.63	0.72	0.81
4900	2.08	2.48	2.87	3.24	3.61	3.97	4.31	4.64	4.96	5.27	5.56	5.84	6.11	6.36	6.60	6.82	7.03	7.22	7.39	7.55	7.69	7.82	7.93	8.02											4900	0.00	0.09	0.18	0.28	0.37	0.46	0.55	0.65	0.74	0.83
5000	2.09	2.50	2.89	3.27	3.64	4.00	4.34	4.68	5.00	5.30	5.59	5.87	6.14	6.38	6.62	6.84	7.04	7.22	7.39	7.54	7.67	7.79	7.88	7.96											5000	0.00	0.09	0.19	0.28	0.38	0.47	0.57	0.66	0.75	0.85

For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.

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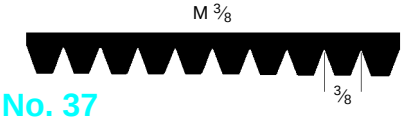
Micro-V



M Section Micro-V® Belt — Rated Horsepower Per Rib

Table No. 37

RPM of Faster Shaft	Rated Horsepower Per Rib for Small Sheave Outside Diameter, Inches																										RPM of Faster Shaft	Additional Horsepower Per Rib for Speed Ratio								
	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.50	15.00	15.50	16.00	18.00	20.00	22.00	24.00	26.00	30.00	36.00	44.00		1.00 to 1.02	1.03 to 1.06	1.07 to 1.10	1.11 to 1.16	1.17 to 1.23	1.24 to 1.33	1.34 to 1.47	1.48 to 1.71	1.72 to 2.31	2.32 and over
435	3.17	3.57	3.96	4.35	4.73	5.12	5.50	5.88	6.25	6.63	7.00	7.37	7.73	8.10	8.46	8.82	9.18	9.53	9.89	11.3	12.6	14.0	15.3	16.6	19.0	22.5	26.6	435	0.00	0.05	0.10	0.16	0.21	0.26	0.31	0.37	0.42	0.47
485	3.46	3.89	4.32	4.75	5.18	5.60	6.01	6.43	6.84	7.25	7.66	8.06	8.46	8.86	9.26	9.65	10.0	10.4	10.8	12.3	13.8	15.3	16.7	18.1	20.7	24.3	28.6	485	0.00	0.06	0.12	0.18	0.23	0.29	0.35	0.41	0.47	0.53
575	3.95	4.45	4.95	5.45	5.94	6.43	6.91	7.39	7.87	8.34	8.81	9.27	9.73	10.2	10.6	11.1	11.5	12.0	12.4	14.2	15.8	17.5	19.1	20.6	23.5	27.3	31.6	575	0.00	0.07	0.14	0.21	0.28	0.35	0.42	0.49	0.55	0.62
585	4.00	4.52	5.02	5.53	6.02	6.52	7.01	7.49	7.98	8.46	8.93	9.40	9.87	10.3	10.8	11.3	11.7	12.2	12.6	14.4	16.1	17.7	19.3	20.8	23.7	27.6	31.9	585	0.00	0.07	0.14	0.21	0.28	0.35	0.42	0.49	0.56	0.64
690	4.55	5.14	5.72	6.30	6.87	7.44	8.00	8.56	9.11	9.66	10.2	10.7	11.3	11.8	12.3	12.8	13.4	13.9	14.4	16.3	18.2	20.1	21.8	23.5	26.5	30.4	34.1	690	0.00	0.08	0.17	0.25	0.33	0.42	0.50	0.58	0.67	0.75
725	4.72	5.34	5.94	6.55	7.14	7.74	8.32	8.90	9.48	10.0	10.6	11.2	11.7	12.3	12.8	13.4	13.9	14.4	14.9	17.0	18.9	20.8	22.6	24.3	27.3	31.1	34.5	725	0.00	0.09	0.17	0.26	0.35	0.44	0.52	0.61	0.70	0.79
870	5.41	6.13	6.84	7.54	8.23	8.92	9.59	10.3	10.9	11.6	12.2	12.9	13.5	14.1	14.7	15.4	16.0	16.6	17.1	19.4	21.6	23.6	25.4	27.1	30.1	33.2		870	0.00	0.11	0.21	0.32	0.42	0.52	0.63	0.73	0.84	0.94
950	5.77	6.54	7.30	8.06	8.80	9.53	10.3	11.0	11.7	12.4	13.1	13.7	14.4	15.1	15.7	16.4	17.0	17.6	18.3	20.6	22.8	24.9	26.7	28.4	31.2	33.6		950	0.00	0.11	0.23	0.34	0.46	0.57	0.69	0.80	0.92	1.03
1160	6.65	7.56	8.45	9.33	10.2	11.0	11.9	12.7	13.5	14.3	15.1	15.9	16.6	17.4	18.1	18.8	19.5	20.2	20.9	23.4	25.6	27.6	29.3	30.6	32.2			1160	0.00	0.14	0.28	0.42	0.56	0.70	0.84	0.98	1.12	1.26
1425	7.64	8.69	9.73	10.7	11.7	12.7	13.7	14.6	15.5	16.4	17.3	18.1	18.9	19.7	20.5	21.3	22.0	22.7	23.4	25.8	27.8	29.3	30.2	30.6				1425	0.00	0.17	0.34	0.52	0.69	0.86	1.03	1.20	1.38	1.55
1750	8.65	9.87	11.1	12.2	13.3	14.4	15.5	16.5	17.5	18.4	19.3	20.2	21.0	21.8	22.6	23.3	24.0	24.6	25.2	27.0	28.0							1750	0.00	0.21	0.42	0.63	0.84	1.06	1.27	1.48	1.69	1.90
2850	10.4	11.9	13.3	14.5	15.7	16.7	17.6	18.4	19.1	19.6	20.0	20.2	20.3															2850	0.00	0.34	0.69	1.03	1.38	1.72	2.06	2.41	2.75	3.09
3450	10.2	11.6	12.8	13.8	14.7	15.3	15.8	16.0	16.0																			3450	0.00	0.42	0.83	1.25	1.67	2.08	2.50	2.91	3.33	3.75
100	0.94	1.05	1.16	1.26	1.37	1.47	1.57	1.68	1.78	1.88	1.98	2.08	2.18	2.28	2.38	2.48	2.58	2.68	2.78	3.17	3.56	3.94	4.32	4.69	5.43	6.52	7.93	100	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.10	0.11
200	1.69	1.89	2.08	2.28	2.47	2.67	2.86	3.05	3.24	3.43	3.62	3.81	3.99	4.18	4.36	4.55	4.73	4.91	5.10	5.82	6.53	7.23	7.92	8.61	9.95	11.9	14.4	200	0.00	0.02	0.05	0.07	0.10	0.12	0.14	0.17	0.19	0.22
300	2.35	2.64	2.92	3.20	3.48	3.76	4.03	4.31	4.58	4.85	5.12	5.39	5.65	5.92	6.18	6.44	6.70	6.96	7.22	8.25	9.25	10.2	11.2	12.2	14.1	16.8	20.2	300	0.00	0.04	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.33
400	2.97	3.33	3.70	4.06	4.42	4.78	5.13	5.48	5.83	6.18	6.52	6.87	7.21	7.55	7.88	8.22	8.55	8.89	9.22	10.5	11.8	13.0	14.3	15.5	17.8	21.1	25.1	400	0.00	0.05	0.10	0.14	0.19	0.24	0.29	0.34	0.39	0.43
500	3.54	3.99	4.43	4.87	5.31	5.74	6.17	6.59	7.02	7.44	7.85	8.27	8.68	9.09	9.49	9.90	10.3	10.7	11.1	12.7	14.2	15.6	17.1	18.5	21.2	24.9	29.2	500	0.00	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
600	4.08	4.61	5.12	5.64	6.15	6.65	7.15	7.65	8.14	8.63	9.12	9.60	10.1	10.5	11.0	11.5	11.9	12.4	12.9	14.7	16.4	18.1	19.7	21.2	24.2	28.1	32.2	600	0.00	0.07	0.14	0.22	0.29	0.36	0.43	0.51	0.58	0.65
700	4.60	5.19	5.78	6.37	6.95	7.52	8.09	8.66	9.22	9.77	10.3	10.9	11.4	11.9	12.5	13.0	13.5	14.0	14.5	16.5	18.4	20.3	22.0	23.7	26.8	30.6	34.2	700	0.00	0.08	0.17	0.25	0.34	0.42	0.51	0.59	0.68	0.76
800	5.08	5.75	6.41	7.07	7.72	8.36	8.99	9.62	10.2	10.9	11.5	12.1	12.7	13.2	13.8	14.4	15.0	15.5	16.1	18.3	20.3	22.3	24.1	25.8	28.9	32.4	34.9	800	0.00	0.10	0.19	0.29	0.39	0.48	0.58	0.68	0.77	0.87
900	5.55	6.29	7.01	7.73	8.45	9.15	9.84	10.5	11.2	11.9	12.5	13.2	13.9	14.5	15.1	15.7	16.4	17.0	17.6	19.9	22.0	24.1	25.9	27.7	30.5	33.4		900	0.00	0.11	0.22	0.33	0.43	0.54	0.65	0.76	0.87	0.98
1000	5.99	6.79	7.59	8.37	9.14	9.91	10.7	11.4	12.1	12.9	13.6	14.3	15.0	15.7	16.3	17.0	17.6	18.3	18.9	21.3	23.6	25.6	27.5	29.1	31.7	33.6		1000	0.00	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.97	1.09
1100	6.41	7.28	8.13	8.98	9.81	10.6	11.4	12.2	13.0	13.8	14.5	15.3	16.0	16.7	17.5	18.2	18.8	19.5	20.2	22.7	24.9	26.9	28.7	30.2	32.2			1100	0.00	0.13	0.27	0.40	0.53	0.66	0.80	0.93	1.06	1.19
1200	6.81	7.74	8.65	9.55	10.4	11.3	12.2	13.0	13.8	14.7	15.5	16.2	17.0	17.8	18.5	19.2	19.9	20.6	21.3	23.8	26.1	28.0	29.6	30.8	32.1			1200	0.00	0.15	0.29	0.43	0.58	0.72	0.87	1.01	1.16	1.30
1300	7.19	8.18	9.15	10.1	11.0	12.0	12.9	13.7	14.6	15.5	16.3	17.1	17.9	18.7	19.5	20.2	20.9	21.6	22.3	24.8	27.0	28.7	30.1	31.0				1300	0.00	0.16	0.31	0.47	0.63	0.78	0.94	1.10	1.25	1.41
1400	7.55	8.59	9.62	10.6	11.6	12.6	13.5	14.4	15.3	16.2	17.1	17.9	18.8	19.5	20.3	21.1	21.8	22.5	23.2	25.6	27.7	29.2	30.2	30.7				1400	0.00	0.17	0.34	0.51	0.68	0.84	1.01	1.18	1.35	1.52
1500	7.89	8.99	10.1	11.1	12.1	13.1	14.1	15.1	16.0	16.9	17.8	18.7	19.5	20.3	21.1	21.8	22.6	23.3	23.9	26.3	28.1	29.3	30.0					1500	0.00	0.18	0.36	0.54	0.72	0.90	1.09	1.27	1.45	1.63
1600	8.21	9.36	10.5	11.6	12.6	13.7	14.7	15.7	16.6	17.6	18.5	19.3	20.2	21.0	21.8	22.5	23.2	23.9	24.5	26.7	28.3	29.2						1600	0.00	0.19	0.39	0.58	0.77	0.97	1.16	1.35	1.54	1.74
1700	8.51	9.70	10.9	12.0	13.1	14.2	15.2	16.2	17.2	18.1	19.1	19.9	20.8	21.6	22.3	23.1	23.7	24.4	25.0	27.0	28.2	28.6						1700	0.00	0.21	0.41	0.62	0.82	1.03	1.23	1.44	1.64	1.85
1800	8.79	10.0	11.2	12.4	13.5	14.6	15.7	16.7	17.7	18.7	19.6	20.4	21.3	22.1	22.8	23.5	24.1	24.7	25.3	27.0	27.8							1800	0.00	0.22	0.43	0.65	0.87	1.09	1.30	1.52	1.74	1.95
1900	9.05	10.3	11.6	12.8	13.9	15.0	16.1	17.2	18.2	19.1	20.0	20.9	21.7	22.4	23.1	23.8	24.4	24.9	25.4	26.8	27.2							1900	0.00	0.23	0.46	0.69	0.92	1.15	1.38	1.60	1.83	2.06
2000	9.29	10.6	11.9	13.1	14.3	15.4	16.5	17.6	18.5	19.5	20.4	21.2	22.0	22.7	23.4	24.0	24.5	25.0	25.4	26.4								2000	0.00	0.24	0.48	0.72	0.97	1.21	1.45	1.69	1.93	2.17
2100	9.51	10.9	12.2	13.4	14.6	15.8	16.8	17.9	18.9	19.8	20.7	21.5	22.2	22.9	23.5	24.0	24.5	24.9	25.2	25.7								2100	0.00	0.25	0.51	0.76	1.01	1.27	1.52	1.77	2.03	2.28
2200	9.71	11.1	12.4	13.7	14.9	16.0	17.1	18.2	19.1	20.0	20.9	21.6	22.3	22.9	23.5	24.0	24.3	24.6	24.8									2200	0.00	0.27	0.53	0.80	1.06	1.33	1.59	1.86	2.12	2.39
2300	9.88	11.3	12.6	13.9	15.1	16.3	17.4	18.4	19.3	20.2	21.0	21.7	22.3	22.9	23.3	23.7	24.0	24.2	24.3									2300	0.00	0.28	0.55	0.83	1.11	1.39	1.67	1.94	2.22	2.50
2400	10.0	11.5	12.8	14.1	15.3	16.5	17.5	18.5	19.4	20.3	21.0	21.7	22.2	22.7	23.1	23.3	23.5	23.6										2400	0.00	0.29	0.58	0.87	1.16	1.45	1.74	2.03	2.32	2.61
2500	10.2	11.6	13.0	14.3	15.5	16.6	17.7	18.6	19.5	20.3	21.0	21.5	22.0	22.4	22.7	22.8	22.9											2500	0.00	0.30	0.60	0.91	1.21	1.51	1.81	2.11	2.41	2.71
2600	10.3	11.7	13.1	14.4	15.6	16.7	17.7	18.7	19.5	20.2	20.8	21.3	21.7	22.0	22.1	22.1												2600	0.00	0.31	0.63	0.94	1.25	1.57	1.88	2.20	2.51	2.82
2700	10.4	11.8	13.2	14.5	15.7	16.8	17.7	18.6	19.4	20.0	20.6	21.0	21.2	21.4	21.4													2700	0.00	0.33	0.65	0.98	1.30	1.63	1.96	2.28	2.61	2.93
2800	10.4	11.9	13.3	14.5	15.7	16.7	17.7	18.5	19.2	19.8	20.2	20.5	20.7	20.7														2800	0.00	0.34	0.68	1.01	1.35	1.69	2.03	2.36	2.70	3.04
2900	10.5	11.9	13.3	14.5	15.7	16.7	17.6	18.3	18.9	19.4	19.8	19.9	20.0															2900	0.00	0.35	0.70	1.05	1.40	1.75	2.10	2.45	2.80	3.15
3000	10.5	11.9	13.3	14.5	15.6	16.6	17.4	18.1	18.6	19.0	19.2	19.3																3000	0.00	0.36	0.72	1.09	1.45	1.81	2.17	2.53	2.90	3.26
3100	10.5	11.9	13.2	14.4	15.5	16.4	17.1	17.7	18.2	18.4	18.5																	3100	0.00	0.38	0.75	1.12	1.50	1.87	2.24	2.62	2.99	3.37
3200	10.4	11.9	13.2	14.3	15.3	16.2	16.8	17.3	17.7	17.8																		3200	0.00	0.39	0.77	1.16	1.54	1.93	2.32	2.70	3.09	3.47
3300	10.4	11.8	13.0	14.2	15.1	15.9	16.5	16.9	17.1	17.1																		3300	0.00	0.40	0.80	1.20	1.59	1.99	2.39	2.79	3.18	3.58
3400	10.3	11.7	12.9	13.9	14.8	15.5	16.0	16.3	16.4																			3400	0.00	0.41	0.82	1.23	1.64	2.05	2.46	2.87	3.28	3.69
3500	10.2	11.5	12.7	13.7	14.5	15.1	15.5	15.7																				3500	0.00	0.42	0.84	1.27	1.69	2.11	2.53	2.96	3.38	3.80
3600	10.0	11.3	12.5	13.4	14.1	14.6	14.9	14.9																				3600	0.00	0.44	0.87	1.30	1.74	2.17	2.61	3.04	3.47	3.91
3700	9.83	11.1	12.2	13.0	13.7	14.1	14.2																					3700	0.00	0.45	0.89	1.34	1.79	2.23	2.68	3.13	3.57	4.02
3800	9.63	10.9	11.9	12.7	13.2	13.5	13.5																					3800	0.00	0.46	0.92	1.38	1.83	2.29	2.75	3.21	3.67	4.13

For rim speeds over 6,500 feet per minute, sheaves require special construction, special material and Dynamic Balancing. See Formula No. 2, Page 204. For additional information, contact your local Gates representative.

Click Here for Single Page View

Installation and Takeup

Figure No. 3

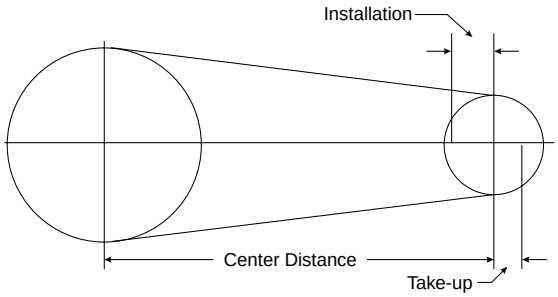


Table No. 38

Minimum Center Distance Allowances For Belt Installation and Takeup

V-Belt No.	Minimum Center Distance Allowance For Installation (In.)						Minimum Center Distance Allowance For Initial Tensioning and Subsequent Takeup (In.)
	3V/3VX		5V/5VX		8V		All Cross Sections
	Super HC® V-Belt	Super HC PowerBand® Belt*	Super HC V-Belt	Super HC PowerBand Belt*	Super HC V-Belt	Super HC PowerBand Belt*	All Types
Up through 475	0.5	1.2					1.0
476 through 710	0.8	1.4	1.0	2.1			1.2
711 through 1060	0.8	1.4	1.0	2.1	1.5	3.4	1.5
1061 through 1250	0.8	1.4	1.0	2.1	1.5	3.4	1.8
1251 through 1700	0.8	1.4	1.0	2.1	1.5	3.4	2.2
1701 through 2000			1.0	2.1	1.8	3.6	2.5
2001 through 2360			1.2	2.4	1.8	3.6	3.0
2361 through 2650			1.2	2.4	1.8	3.6	3.2
2651 through 3000			1.2	2.4	1.8	3.6	3.5
3001 through 3550			1.2	2.4	2.0	4.0	4.0
3551 through 3750					2.0	4.0	4.5
3751 through 5000					2.0	4.0	5.5
5001 through 6000					2.0	4.0	6.0

*Also use these figures for individual Super HC V-Belts in deep groove sheaves.

Table No. 39

Minimum Center Distance Allowances For Belt Installation and Takeup

V-Belt No.	Minimum Center Distance Allowance For Installation (In.)								Minimum Center Distance Allowance For Initial Tensioning and Subsequent Takeup (In.)
	A		B		C		D		All Cross Sections
	Hi-Power® II and Tri-Power® Molded Notch V-Belts	Hi-Power II PowerBand Belt*	Hi-Power II and Tri-Power Molded Notch V-Belts	Hi-Power II PowerBand Belt*	Hi-Power II and Tri-Power Molded Notch V-Belts	Hi-Power II PowerBand Belt*	Hi-Power II V-Belt*	Hi-Power II PowerBand Belt*	All Types
Up through 35	0.75	1.20	1.00	1.50					1.00
36 through 55	0.75	1.20	1.00	1.50	1.50	2.00			1.50
56 through 85	0.75	1.30	1.25	1.60	1.50	2.00			2.00
86 through 112	1.00	1.30	1.25	1.60	1.50	2.00			2.50
113 through 144	1.00	1.50	1.25	1.80	1.50	2.10	2.00	2.90	3.00
145 through 180			1.25	1.80	2.00	2.20	2.00	3.00	3.50
181 through 210			1.50	1.90	2.00	2.30	2.00	3.20	4.00
211 through 240			1.50	2.00	2.00	2.50	2.50	3.20	4.50
241 through 300			1.50	2.20	2.00	2.50	2.50	3.50	5.00
301 through 390					2.00	2.70	2.50	3.60	6.00
Over 390					2.50	2.90	3.00	4.10	1.5% of belt length

*Also use these figures for individual Hi-Power II and Tri-Power Molded Notch V-Belts in deep groove sheaves.

Table No. 40

Minimum Center Distance Allowances For Belt Installation and Takeup

Standard Effective Length (In.)	Minimum Center Distance Allowance for Installation (In.) Micro-V® Belts			Minimum Center Distance Allowance for Initial Tensioning and Subsequent Takeup (In.) (All Cross Sections)
	J	L	M	
Up through 20.0	0.4	—	—	0.3
20.1 through 40.0	0.5	—	—	0.5
40.1 through 60.0	0.6	0.9	—	0.7
60.1 through 80.0	0.7	1.0	—	0.9
80.1 through 100.0	0.8	1.2	1.5	1.1
100.1 through 120.0	—	1.2	1.6	1.3
120.1 through 160.0	—	1.4	1.7	1.7
160.1 through 200.0	—	—	1.8	2.2
200.1 through 240.0	—	—	1.9	2.6
240.1 through 300.0	—	—	2.2	3.3
300.1 through 360.0	—	—	2.5	3.9
360.1 through 370.0	—	—	2.7	4.6

Table No. 41

Minimum Center Distance Allowances For Belt Installation and Takeup

Belt Designation No.	Minimum Center Distance Allowance for Installation (In.) Polyflex® JB® Belts			Minimum Center Distance Allowance for Initial Tensioning and Subsequent Takeup (In.) (All Cross Sections)
	5M	7M	11M	
280 - 300	0.4	—	—	0.2
307 - 710	0.6	0.6	1.0	0.6
730 - 1090	0.9	0.9	1.2	1.1
1120 - 1500	1.1	1.1	1.4	1.4
1550 - 1900	—	1.1	1.5	1.4
1950 - 2300	—	1.5	1.9	1.8

V80® Belt Matching

Many applications consist of a multi-belt drive where more than one belt is used to transmit the horsepower required. The Rubber Manufacturers Association (RMA) Standard IP-20 and IP-22 specify permissible length variations for a set of classical or narrow industrial V-belts. For example, all belts up to 63 inches in a set must not vary more than .15 inch from the longest to the shortest belt. If they do, the load will not be evenly distributed and belts will wear out faster.

Gates innovated a change in 1980. Belt molds were re-machined, manufacturing procedures redesigned, new measuring devices developed, and closer attention paid to manufacturing variability through statistical process control (SPC). The Gates V80 matching program produces classical and narrow product with tighter-than-RMA tolerances. All belts in this system are in the same tolerance range. Any V80 belt of a given length runs with any other V80 belt of the same cross-section and construction. Within Super HC®, Hi-Power II®, and Tri-Power® belts, the applicable V80 belts are:

Molded Notch Construction	**Banded Construction**
3VX250-3VX1400	3V250-3V1400
5VX450-5VX2000	5V500-5V3550
AX21-AX173	8V1000-8V5600
BX28-BX210	A24-A180
CX51-CX210	B28-B315
	C51-C420
	D105-D660
	E180-E660
Molded Notch Construction PowerBand® V-Belts	**Banded Construction PowerBand V-Belts**
3VX250-3VX1400	3V800-3V1400
5VX450-5VX2000	5V670-5V3550
AX21-AX173	8V1000-8V5600
BX28-BX210	A62-A180
CX51-CX210	B62-B315
	C68-C420
	D144-D660

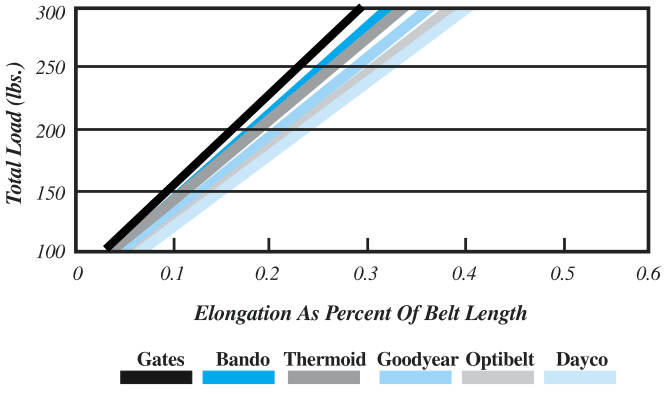
Some industrial belt types are still grouped by the 'old' match number system which involves numbers printed on the individual belts; each number representing a measured belt length range. These numbers are grouped in sequential order for matching according to length. The longer the belt length, the larger the sequential number range.

Some long V80 belts may appear to hang unevenly when installed. It is quite normal for belts within RMA tolerances to create noticeable differences in deflection. This "sag" is commonly called the "catenary effect" which is a curve made by a cord of uniform weight suspended between two points. Extensive field tests prove that this has virtually no effect on either drive performance or the belts' ability to equally share the load. If sag is noticeable, the drive should be installed with normal "run-in" procedure. A "run-in" process consists of starting the drive, letting it run under full load, and then stopping, checking, and retensioning to recommended values. Running the belt under full load allows the belt to seat into the grooves. The run-in time for most tension decay to take place as a result of belt seating and initial elongation can be 15 minutes to 48 hours depending upon the severity of the application. A more severe application will take a shorter amount of run-in time under full load conditions than a less severe one. Belt sag will be even less noticeable after proper run-in procedure.

Less Stretch, More Savings!

Gates V80 belts are made with high-modulus, thermally active polyester tensile cords that exhibit extremely low stretch. That translates into reduced maintenance time and greater cost savings to you.

Though some of our competitors' belts appear to be the same length on a drive, they are made with low- to medium-modulus tensile members. These belts will continue stretching through use and require frequent retensioning and/or replacement. *The chart below further illustrates the difference between Gates V80 and competitive belts.*



All test conducted on an Instron Universal Testing Machine to measure tensile elongation or belt modulus.

Polyflex® JB® Belt Drives

Polyurethane

Gates Polyflex JB V-belts are manufactured using specially formulated polyurethane compounds which have a higher coefficient of friction than rubber compounds. Because of the higher coefficient of friction, less wedging action between the belt and the sheave is required. This increased tractive action permits the sheave angle to be increased. The benefits of this feature are discussed in the *60° Angle* section below.

Polyurethane has excellent abrasion resistance. As a sheave and belt wear, the belt seats deeper into the sheave groove, contributing to tension decay. This high abrasion resistance feature can mean less frequent belt retensioning. However, adequate shielding should be used when installing Polyflex JB drives where debris is present. Debris can damage a joined belt by wedging between the belt's strands, causing it to separate. It can also cause the belt to become unstable and turn over.

Since Polyflex JB uses the 60° angle system, the coefficient of friction between belt and sheave is critical. Any substance which decreases the coefficient of friction can cause belt slip. If the belt slips excessively, enough heat may be generated to cause catastrophic failure.

Polyflex JB belts provide excellent resistance to many chemicals, including some acids and petroleum distillates. However, any chemical or liquid can reduce the coefficient of friction, resulting in excessive belt slipping. Liquids act as lubricants that "grease" the belt, reducing the friction needed for power transmission. Do not use Polyflex JB belts in an environment where the belt is submerged or where liquid in any form can get into the drive. Drives should be completely enclosed or shielded to prevent slipping problems.

Polyurethane also has a much higher compression modulus (i.e., ability to withstand high compressive forces), which permits it to effectively support the tensile cord even when the amount of material is reduced. This allows use of the 60° angle which has 30% less material in the bottom (or compression) part of the belt, compared to a conventional 36° angle belt of the same top width. See Fig. 1.

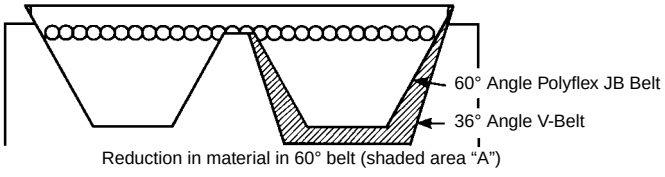


Fig. 1

60° Angle

Fig. 2 shows the 60° angle sheave groove provides more support to the tensile cord than the 36° angle sheave groove. This additional undercord support reduces differential tensile cord tension caused when the center tensile cords relax due to the belt collapsing under heavy loading. Differential tensile cord tension means that the cords located at the belt edge have a higher tension than the cords in the belt center, as illustrated in Fig. 3. Tension variation reduces belt performance and horsepower capacity, since all the tensile cords do not share the applied load equally. Therefore, the 60° Polyflex JB belt system permits overall higher horsepower load carrying capability.

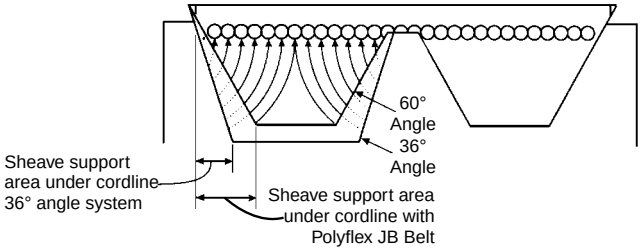


Fig. 2—Increase in Cordline Support In 60° sheave

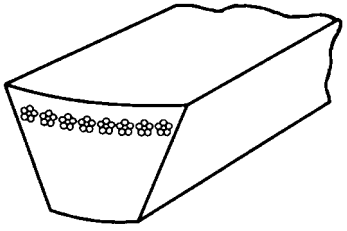


Fig. 3—Differential tensile cord tension

The reduced cross-sectional area and lighter polyurethane material combine together to help reduce both bending and centrifugal tension. Bending and centrifugal tension decrease the allowable working tension. Since bending and centrifugal tension are lower for Polyflex JB belts, more effective tension is available for useful work, resulting in higher horsepower ratings.

Initial reduction of operating tension in a V-belt is the result of the belt seating in the sheave groove while operating under a load. The belt effectively runs on a smaller diameter because of seating in and results in a tension loss that requires belt takeup or retensioning. With the 60° Polyflex JB belt system, longer running time is possible before takeup is required.

The amount a V-belt can seat in the sheave and lose operating tension depends on these factors:

(1) Abrasion resistance of the belt.
(2) Abrasive effect of dust or dirt on the sheave groove sidewall.
(3) Compression modulus (permanent compression set, a stress/time phenomenon, causes tension decay).

Items (1) and (3) above were discussed in the first part of this section under the Polyurethane heading. To briefly review a high abrasion-resistant material in the belt and a high compression modulus mean less belt tension deterioration.

However, if some belt and sheave wear does occur, the effect on seating in the groove is less for the 60° angle compared to the 36° angle. Any seating due to wear is only $^{2}/_{3}$ as great in the Polyflex JB belt 60° angle as the same wear in a conventional 36° sheave angle. This is illustrated in Fig. 4 on next page.

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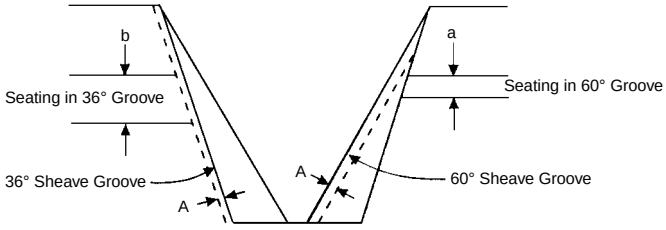
60° Angle — continued



A – Equal wear on 36° and 60° Sheave Groove
a – Distance Belt Seats in 60° Groove Because of Wear A
b – Distance Belt Seats in 36° Groove Because of Wear A

Fig. 4—Seating in 60° and 36° Sheave Grooves

In summary, three characteristics of the Polyflex JB belt in the 60° angle sheave — abrasion resistance, high compression modulus and less movement in the sheave groove (if wear does occur) — all mean less tension decay. For a Polyflex JB drive, the result is a reduced frequency of retensioning.

Joined Construction

The actual size of a Polyflex JB belt is relatively small when compared to a conventional V-belt. Small belts, just by their nature, have a slightly lower torsional and lateral rigidity. Subsequently, there is a possibility of turning over (Fig. 5) when subjected to a misalignment, power surge or vibrations at or near its natural frequency. To prevent such stability problems, the belt is constructed with the overcord connected or "joined" together as shown in Fig. 6. Joining the strands limits the possibility of a belt turning over on properly maintained drives when subjected to various types of load fluctuations and vibrations. The ribbed overcord of the belt also helps increase torsional and lateral rigidity and increases belt flexibility.

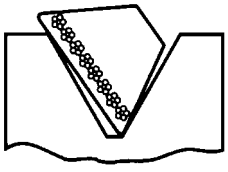


Fig. 5—Turned Over Belt

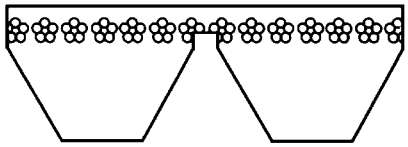


Fig. 6—Polyflex JB

Polyflex JB belts are manufactured with either two or three belt strands joined together. Any combination of Polyflex JB belts can be used on a single drive in matched sets. For example, if six belts are needed to transmit a load, matched sets of two joined belts with three strands in each belt would work as well as matched sets of three belts with two strands in each belt (see Fig. 7).

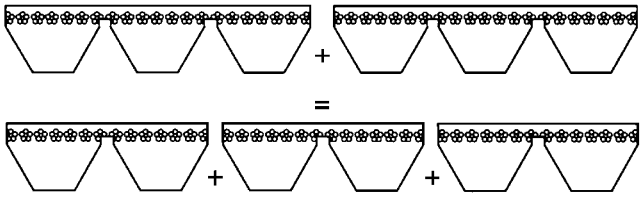


Fig. 7

Matched Sets

When more than one Gates Polyflex JB Belt (more than 3 strands, see *Joined Construction*) is required on a drive, matched sets of belts must be used. A matched set of Polyflex JB belts is factory measured and tied together. The belts are measured and grouped within various length ranges. On multiple belt drives (more than 3 strands) this assures that each belt shares its proportion of the load being transmitted.

Micro-V® Belt Drives

Micro-V® Belts

Construction

Gates Micro-V belts feature a smooth-running nylon cross-cord overcord and high modulus, low-stretch polyester tensile cord for added strength and dependability.

A specially formulated polychloroprene rubber compound resists oil, heat and cracking. Micro-V belts are static dissipating for added safety.

The truncated rib profile adds these performance qualities:

- Crack resistant ribs
- Higher load-carrying capacity
- Reduced flex fatigue
- Increased performance on small diameter sheaves allows smaller design packages
- Cool running
- Greater tolerance to sheave groove debris
- Improved resistance to back bending from tensioning idlers

Horsepower ratings significantly exceed RMA standards. Belts are available in lengths from 18" to 98".

Standard Dimensions

Cross Section	Nominal Rib Width (S_g) (In.)	Nominal Thickness (h_b) (In.)
J	0.092	0.128
L	0.185	0.38
M	0.370	0.66

Fig. 1

Size Designation

Belt Effective Length: Belt sizes are identified by a standard length designation. This designation system identifies belt effective length to the nearest 1/10 of an inch. For example, a standard length designation of 490 has an effective length of 49.0 inches. Fig. 1 gives a complete listing of available stock belt lengths.

Belt Widths: Fig. 2 specifies standard number of ribs available and corresponding nominal top widths for each cross section.

Stock Rib Widths

Belt Section	No. Ribs (N_r)	Nom. Width (b_b)	Belt Section	No. Ribs (N_r)	Nom. Width (b_b)	Belt Section	No. Ribs (N_r)	Nom. Width (b_b)
J	4	0.368	L	6	1.110	M	6	2.220
	6	0.552		8	1.480		8	2.960
	10	0.920		10	1.850		10	3.700
	16	1.472		12	2.220		12	4.440
	20	1.840		14	2.590		14	5.180
				16	2.960		16	5.920
				18	3.330		18	6.660
				20	3.700		20	7.400

Fig. 2

Standard Belt Nomenclature

The Micro-V belt is correctly identified by a three-part symbol consisting of: (1) a standard length designation; (2) cross section, and (3) number of ribs.

For example: The belt designation “420J6" represents:

1. An effective length of 42.0 inches
2. J Cross Section
3. 6 ribs wide

Polyflex® JB® and Micro-V® Belts

I. Operating Characteristics

A. High Speed Drives

One major advantage of Gates Polyflex JB and Micro-V belts is the ability to operate smoothly and efficiently at high belt and shaft speeds. For example, shaft speeds of 30,000 rpm and higher have been achieved with smaller Polyflex JB cross sections. Polyflex JB and Micro-V belts both have the ability to transmit power to shafts turning at high speed mainly because the self-imposed centrifugal force acting on it is low.

Centrifugal tension occurs in a belt because of centrifugal force — the belt is rotating around the drive. Two things govern the magnitude of centrifugal tension acting in a belt drive:

(1.) The size of the belt (cross-sectional mass).
(2.) The speed the belt is traveling.

The relationship of these items is expressed in the following formula:

$$T_C = MV^2$$

Where: T_C = Centrifugal tension, (lbs.)
M = Belt Mass Constant
V = Belt speed, (ft./min.)

The formula shows, as the size (mass) of the belt increases, centrifugal tension increases. But, more influential is speed, which increases exponentially.

Because a V-belt is basically a tension carrying member, its horsepower rating increases with speed until a maximum value is reached, as illustrated in Fig. 1. As belt speed increases, the increase in centrifugal tension creates a need to increase the installation tension so the desired running tension is obtained. Beyond this point, centrifugal tension increases to such a level it starts to reduce the allowable working tension, causing the horsepower rating to drop off. (See Fig. 1).

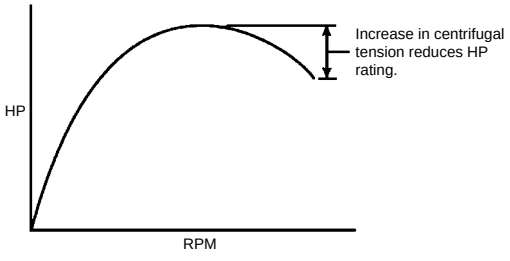


Fig. 1

Polyflex JB belts have proportionally higher horsepower ratings than any other conventional type V-belt. This is due mainly to the belt cross-sectional shape and special polyurethane material, as previously described. For high speed drives, this higher horsepower rating is further extended because the rotating mass of Polyflex JB belts is reduced — smaller cross section, lighter material. Because of these unique characteristics, Polyflex JB belts may be applied on high speed drives where other belt types can not be used.

B. Smooth Running

Gates Polyflex JB and Micro-V belts are the smoothest running V-belt drives available. For most applications, conventional V-belts transmit power from the driveR to driveN shafts very smoothly, with a minimum of vibration. Some high speed, high precision equipment may demand better performance than conventional V-belt which is designed mainly for heavy duty industrial power transmission.

Smooth running characteristics of a belt drive are determined by measuring the variation in center distance as the belt slowly rotates around sheaves on a special measuring machine. The machine uses one shaft of a movable base and holds the belt at constant measuring tension. There are no industry standards prescribing levels of smooth running performance. When smooth running is specified as a special requirement, most manufacturers will only supply these belts on a made-to-order basis.

Conventional V-belts are usually manufactured by plying up layers of various rubber stocks, fabric and tensile cord. In most applications, the layers and overlaps do not disturb the drive operation. But, as speeds increase and sheave diameters decrease or the machinery supporting the drive becomes more sensitive or compliant, the small discontinuities in the layers, coupled with overlaps in fabric, become much more apparent with respect to smooth running.

Due to the special patented manufacturing process, Polyflex JB belts have exceptionally smooth operating characteristics. Belts are cast in polyurethane and precision ground to assure the best possible cross sectional uniformity. The result is low center distance variation and minimal vibration.

Gates Micro-V belts also have excellent smooth running characteristics. Polyflex JB belt and Micro-V drives have been used extensively on applications such as precision grinders, medical equipment, office equipment, business machines, etc. where smooth running is an essential performance requirement.

C. Noise

Polyflex JB and Micro-V drives generate minimal noise levels when installed and operating properly. They can, however, generate noise in adverse conditions such as misalignment, improper tension, under design, etc.

Since Polyflex JB belts have a polyurethane body with a high coefficient of friction, they may react on a steel surface causing noise, particularly on a misaligned drive. When a drive is misaligned, the V-belt will not enter the sheave groove properly. It will stick and rub heavily on the side of the sheave causing noise (See Fig. 2). Low belt tension can also be a source of noise problems. (See Belt Tensioning on Pages 212-215.)

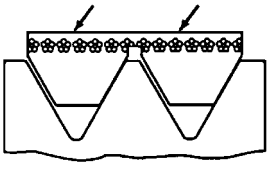


Fig. 2

I. Operating Characteristics — continued

Ribs molded laterally across the top of Polyflex JB belts help to reduce bending stresses and increase torsional stiffness. Because of the ribbed overcord, a backside idler may generate objectionable noise. The sound level produced is usually inversely proportional to the pulley diameter. So, the larger the pulley diameter, the lower the noise level. Backside idlers should be as large as possible. See Page 241 Minimum Sheave Diameter for more information on backside idler recommendations.

Micro-V belts can be prone to slippage when installed with less than adequate tension, or when operating on a drive system with flexing centers. This potential slippage can result in noise. See Section *Belt Tensioning* on Pages 212-215.

In many cases the belt drive system is not the primary cause of noise. Undersized, poorly lubricated, worn or misaligned bearings can cause significant noise levels. Rotating parts of a total system can create air movement patterns that generate noise. A weak structure could flex under the load and cause misalignment and affect components in the drive system, thereby creating noise. Also, make sure that the total system has not been designed into an echo chamber, amplifying an otherwise insignificant noise.

D. Static Conductivity

Polyflex JB belts do not meet the static-conductive requirements specified in RMA Bulletin IP-3-3. This bulletin describes those belt characteristics necessary for safe operation in potentially explosive or flammable environments. However, laboratory testing confirms that under dynamic operating conditions, Polyflex JB belts are nonstatic generating. Under normal operating conditions, Polyflex JB belts do not build up significant static charge.

When Polyflex JB belts are used in explosive or flammable environments, additional steps must be taken to protect against accidental static spark discharges:

(1) The entire system must be properly grounded.
(2) A static conductive brush or similar device is recommended to bleed off any static buildup on the belt if it should occur.

The nonstatic generating characteristics apply to new, clean belts. It is the user's responsibility to establish an effective preventive maintenance program to monitor equipment and to replace or repair components, as needed, for continued safe operation.

Micro-V belts do meet the static conductive requirements specified in RMA Bulletin IP-3-3 describing the characteristics necessary for safe operation in potentially explosive or flammable environments. This applies to new clean belts. Belt conductivity properties can be influenced by age and environmental debris.

E. Operating Environments

Caution should be used when installing Polyflex JB and Micro-V belt drives where debris is present. Debris can damage belts by becoming wedged between the belt's strands, causing damage or separation. Debris can also cause belts to become unstable and turn over. If the drive must operate in this type of environment, be sure to provide adequate shielding.

Since Polyflex JB belts use a 60° angle system, the coefficient of friction between the belt and sheave is extremely important. Any substance which decreases the coefficient of friction can cause belt slip. If the belt slips excessively, enough heat may be generated to cause catastrophic failure. Environmental contamination can also cause Micro-V belts to slip.

Polyflex JB belt performance is generally unaffected in ambient temperature environments between -65°F and +185°F (-54°C and +85°C). Micro-V belts are capable of operating between -30°F and +180°F (-34°C and +82°C). Contact Gates Application Engineering if the drive must operate in temperatures that exceed these limits.

How to Design Belt Drives Using Nonstock Sheaves and Drives Using Idlers

This Drive Design Section is For:
Drives Using Nonstock Sheaves and Drives Using Idlers.

Sheaves Are Nonstock Because:

a. Either of the Diameters is Nonstock, or b. Required Number of Grooves Exceeds Those Available as Stock.

Drives using a nonstock number of grooves can result when very high horsepowers cause the drives to require more grooves than are available on stock sheaves. If standard diameters are to be used, the drives can be easily designed from the previous drive selection section. However, if the number of grooves is excessive, it may be possible to use this section to design with larger sheaves, thereby reducing the number of belts for a more economical drive.

For drives using nonstock diameters, the driveN speed, belt length, center distance and horsepower correction must be calculated, rather than selected from the tables in the stock drive selection section. The calculations are easy.

If idlers are to be used, familiarize yourself with the general rules in the Idler Section on Page 247 before starting your design. Horsepower rating and center distance calculations must be modified according to the instructions whenever idlers are used.

Before Designing a V-belt Drive, You Need to Know Only These Four Things:

1. The type of application, machine, or work being done.
2. The horsepower rating and speed (RPM) of the driveR.
3. The speed (RPM) of the driveN machine or the required speed ratio.
4. The approximate center distance required.

Step 1 Find the Design Horsepower

Design Horsepower = (Service Factor) x (Horsepower Requirement)

A. Select the proper **service factor** from Table No. 42. If your driveN machine is not listed and you cannot find a machine with comparable starting, running and shock load characteristics, turn to Page 266 for assistance in selecting a service factor.

B. The **horsepower requirement** of the drive is usually taken as the nameplate rating of the driveR. The actual load requirement of the driveN machine may be used as the horsepower requirement if it is known.

C. Find **design horsepower** by multiplying the horsepower requirement of the drive by the service factor.

CLUTCHING DRIVES

Refer all clutching drive applications to the Product Application Department, The Gates Rubber Company, Denver, Colorado. V-belt drives which use the belt as a clutch require special consideration because the heat generated by belt slip (during engagement and disengagement) on some clutching applications can cause V-belt tensile materials to shrink in length. The shrinkage may cause a belt, which is already engaged and driving, to not declutch, or a declutched belt may engage itself and start driving the machine unexpectedly. Depending on the machine and circumstances, either situation could prove dangerous to the machine operator or bystanders.

Belts especially designed to minimize or eliminate heat shrinkage may be required.

Table No. 42 — Service Factors

DriveN Machine	DriveR					
The machines listed below are representative samples only. Select the group listed below whose load characteristics most closely approximate those of the machine being considered. See Page 266 for additional help in selecting Service Factors.	**AC Motors:** Normal Torque, Squirrel Cage, Synchronous, Split Phase. **DC Motors:** Shunt Wound. **Engines:** Multiple Cylinder Internal Combustion.*			**AC Motors:** High Torque, High Slip, Repulsion-Induction, Single Phase, Series Wound, Slip Ring. **DC Motors:** Series Wound, Compound Wound. **Engines:** Single Cylinder Internal Combustion.*		
				Line shafts		**Clutches**
	Intermittent Service 3-5 Hours Daily or Seasonal	Normal Service 8-10 Hours Daily	Continuous Service 16-24 Hours Daily	Intermittent Service 3-5 Hours Daily or Seasonal	Normal Service 8-10 Hours Daily	Continuous Service 16-24 Hours Daily
Dispensing, Display Equipment Instrumentation Measuring Equipment Medical Equipment Office, Projection Equipment	1.0	1.1	1.2	1.1	1.2	1.3
Agitators: Liquid Appliances, Sewing Machines, Sweepers Conveyors: Belt, Light Package Fans: Up to 10 HP Hand Tools (Power) Machine Tools: (Light) Drill Presses, Lathes, Saws Screens: Drum, Oven Woodworking Equipment: Band Saws, Drills, Lathes	1.1	1.2	1.3	1.2	1.3	1.4
Agitators: Semi-liquid Compressors: Centrifugal Centrifuges Conveyors: Belt; Coal, Ore, Sand Dough Mixers Fans: Over 10 HP Generators Laundry Equipment Line Shafts Machine Tools: (Heavy) Boring, Grinders, Milling, Shapers Paper Machinery (except Pulpers) Presses, Punches, Shears Printing Machinery Pumps: Centrifugal, Gear Screens: Revolving, Vibratory	1.1	1.2	1.4	1.2	1.3	1.5
Blowers: Positive Displacement, Mine Fans Brick Machinery Compressors: Piston Conveyors: Drag, Elevator, Pan, Screw Elevators: Bucket Exciters Extractors Mills: Hammer Paper Pulpers Pulverizers Pumps: Piston Rubber Calendars, Extruders, Mills Textile Machinery	1.2	1.3	1.5	1.4	1.5	1.6
Crushers (Gyratory-Jaw-Roll) Hoists Mills: Ball-Rod-Tube Sawmill Machinery	1.3	1.4	1.6	1.5	1.6	1.8

*Apply indicated Service Factor to continuous engine rating. Deduct 0.2 (with a minimum Service Factor of 1.0) when applying to maximum intermittent rating. The use of a Service Factor of 2.0 is recommended for equipment subject to choking. For Grain Milling and Elevator Equipment, see Mill Mutual Bulletin No. VB-601-62. For Oil Field Machinery, see API specification for Oil Field V-Belting, API Standard 1B.

How to Design Belt Drives Using Nonstock Sheaves and Drives Using Idlers — continued

Step 2 Select the Proper V-Belt Section

Speed and Design Horsepower
Determine the Proper Cross Section

A. At the bottom of the appropriate Cross Section Selection Chart, on Pages 15-17, read across the **design horsepower** of the drive along the horizontal axis, interpolating if necessary.

B. Read straight up to the **rpm of the faster shaft.** Interpolate if necessary.

C. The cross section in the area surrounding the point of intersection which you located is the proper **belt cross section** to use.

NOTE: If your point is near one of the lines, a good drive can be designed with the cross section on either side of the line. Design drives using both cross sections and select the most economical drive consistent with your other requirements.

Step 3 Find the Speed Ratio

Formula No. 1

$$\text{Speed Ratio} = \frac{\text{RPM of Faster Shaft}}{\text{RPM of Slower Shaft}}$$

Find the desired **speed ratio** by dividing the rpm of the faster shaft by the rpm of the slower shaft.

If you are replacing a chain or gear drive, the speed ratio is the number of teeth on the large sprocket or gear divided by the number of teeth on the small one. If you are replacing a flat belt drive, divide the large pulley diameter by the small pulley diameter. If you have reason to believe the flat belt drive is slipping, but still delivering the required driveN RPM, then measure the driveR and driveN RPM. Calculate the speed ratio from Formula No. 1.

Step 4 Choose the Sheave Diameters

You should try to use one standard diameter sheave for the drive — preferably the large sheave — in order to obtain the most economical drive. Table No. 43 shows standard sheave diameters for all cross sections. (If both are to be standard diameters, then the drive should be selected from the stock drive tables. See Pages 22 through 132).

Table No. 43 — Standard Sheave Diameters

Sheave Outside Diameters (In.) for Super HC® Belts

	3V/3VX	5V/5VX	8V
Recommended Range of Small Sheave Diameters	—	*4.40	—
	—	*4.65	—
	—	*4.90	—
	—	*5.20	—
	—	*5.50	—
	—	*5.90	—
	—	*6.30	—
	—	*6.70	—
	*2.20	7.10	—
	*2.35	7.50	—
	*2.50	8.00	—
	2.65	8.50	—
	2.80	9.00	—
	3.00	9.25	12.5
	3.15	9.75	13.2
	3.35	10.30	14.0
	3.65	10.90	15.0
	4.12	11.30	16.0
	4.50	11.80	17.0
	4.75	12.50	18.0
	5.00	13.20	19.0
	5.30	14.00	20.0
	5.60	15.00	21.2
	6.00	16.00	22.4
	6.50	18.70	24.8
	6.90	21.20	30.0
	8.00	23.60	35.5
	10.60	28.00	40.0
	14.00	31.50	44.5
	19.00	37.50	53.0
	25.00	50.00	63.0
	33.50	—	71.0
	—	—	—

*To be used with Super HC Molded Notch V-belts only.

Sheave Datum Diameters (In.) for Hi-Power® II Belts

	A	B	C	D
Recommended Range of Small Sheave Diameters	—	—	**7.0	—
	—	**4.6	**7.5	**12.0
	3.0	**5.0	**8.0	13.0
	3.2	**5.2	**8.5	13.5
	3.4	5.4	9.0	14.0
	3.6	5.6	9.5	14.5
	3.8	6.0	10.0	15.0
	4.0	6.4	10.5	15.5
	4.2	6.8	11.0	16.0
	4.6	7.4	12.0	18.0
	4.8	8.6	13.0	22.0
	5.0	9.4	14.0	27.0
	5.2	11.0	16.0	33.0
	5.6	12.4	18.0	40.0
	6.0	15.4	20.0	48.0
	6.4	18.4	24.0	—
	7.0	20.0	30.0	—
	8.2	25.0	36.0	—
	9.0	30.0	44.0	—
	10.6	38.0	50.0	—
	12.0	—	—	—
	15.0	—	—	—
	18.0	—	—	—

** To be used with Tri-Power® Molded Notch V-belts only.

A. If a minimum or maximum diameter for one of the sheaves is known, or if you have one sheave on hand, start with that diameter. If nothing limits the sheave diameters, start with a **small sheave diameter** in the larger end of the recommended diameter range. Sheaves on electric motors must be at least as large as the minimum diameter shown in Table Nos. 3, 4, or 5 on Page 19.
If you do not know the pitch (or datum) diameter of a sheave on hand, measure the outside diameter. Then subtract the value from Table No. 45 on Page 204 to find the desired diameter.

NOTE: The datum system is used for identifying **classical** V-belts and sheaves only (A, B, C, D). For these sheaves, the datum diameter is equal to the outside diameter (except for Multi-Duty® Sheaves).

How to Design Belt Drives Using Nonstock Sheaves and Drives Using Idlers — continued

Table 44

Standard Sheave Outside Diameters for Micro-V® Belts (In.)

Section		
J	L	M
1.50	3.00	7.00
1.60	3.20	7.40
1.70	3.40	7.60
1.80	3.60	8.00
1.90	3.80	8.40
2.00	4.00	8.60
2.12	4.20	9.00
2.24	4.40	9.20
2.36	4.60	9.60
2.50	4.80	10.00
2.65	5.00	10.60
2.80	5.20	11.00
3.00	5.40	12.00
3.15	5.60	13.00
3.35	5.80	14.00
4.50	6.00	15.00
6.00	6.20	16.00
8.00	6.40	18.00
10.60	7.00	20.00
14.00	7.40	24.00
19.00	8.00	30.00
—	9.00	36.00
—	10.00	44.00
—	12.00	—
—	14.00	—
—	16.00	—
—	18.00	—
—	20.00	—
—	24.00	—
—	30.00	—

NOTE: Pitch Diameters are always used in speed ratio calculations.

If your drive uses an electric motor, the minimum selected sheave O.D. should be at least as large as the sheave outside diameters specified in Table 5 on Page 19.

Standard Sheave Diameters for Polyflex® JB® Belts

Gates specifies standard sheave diameters to help design a Polyflex JB belt drive. Listed below are the standard sheave diameters. Contact your local Gates representative for a list of approved suppliers or see Page 241 for groove specifications.

Diameter (In.)		
5M	7M	11M
1.04	1.67	2.64
1.10	1.77	2.80
1.17	1.87	2.95
1.24	1.97	3.15
1.32	2.08	3.35
1.40	2.20	3.54
1.48	2.36	3.74
1.57	2.48	3.94
1.67	2.64	4.17
1.77	2.80	4.41
1.87	2.95	4.65
1.97	3.15	4.92
2.48	3.94	6.30
3.15	4.92	7.87
3.94	6.30	9.84
4.92	7.87	12.40
6.30	9.84	15.70
7.87	12.40	19.70
9.84	15.70	24.80
12.40	19.70	31.50
15.70	24.80	39.40

NOTE: These sheave diameters are established using the Preferred Number System.

How to Design Belt Drives Using Nonstock Sheaves and Drives Using Idlers — continued

Table No. 45

Amount to Subtract from the Outside Diameter to Find Datum Diameter of a Grooved Sheave

V-Belt Cross Section		3V (In.)	5V (In.)	8V (In.)	A* (In.)	B* (In.)	A (In.)	B (In.)	C (In.)	D (In.)
Standard Sheaves	Pitch	0.05	0.10	0.20	0.37	–0.08	0	0	0	0
	Datum	–	–	–	0.62	0.33	0.25	0.35	0.40	0.60
Deep Groove Sheaves	Pitch	0.268	0.420	0.724	–	–	–	0.36	0.61	0.83
	Datum	–	–	–	–	–	–	0.71	1.01	1.43

*Using a Multi-Duty® Sheave (Combination A and B).

Step 4 Choose the Sheave Diameters — continued

B. Calculate the sheave rim speed for your drive using Formula 2 below.

Formula No. 2

$$\text{Sheave Rim Speed} = \frac{\text{(O.D. of either sheave) x (rpm of same sheave)}}{3.82*}$$

***This constant is derived from 12 ÷ π.**

Super HC Sheaves are listed by O.D., while Conventional Sheaves (A, B, C, D) are listed by D.D. (Datum Diameter). To obtain O.D., add the appropriate value from Table No. 45 above.

Sheave rim speeds should not exceed these values:

6500 ft./min. for Super HC®, Super HC Molded Notch belts, Hi-Power® II and Tri-Power® Molded Notch V-belts.

If speeds are above these values, special sheaves are usually required. If at all possible, redesign using smaller sheaves, but remember to check NEMA minimums.
(See E at right.)

C. Multiply the pitch diameter of the small sheave by the speed ratio to get the **pitch diameter of the large sheave.** (Or divide the pitch diameter of the large sheave by the speed ratio to get the pitch diameter of the small sheave.) If you are designing with Super HC V-belts, convert pitch diameters to outside diameters by referring to Table No. 45 above. If you are designing with Hi-Power II or Tri-Power V-belts, convert pitch diameters to datum diameters by referring to Table No. 45 above.

NOTE: Pitch diameters are always used in speed ratio calculations.

D. If the large sheave diameter is close to the diameter of a standard sheave, repeat Steps B and C, starting with the standard sheave diameter. In this way only the small sheave will be nonstock, giving a more economical drive. Record the diameters chosen and the rim speed.

E. Diameters should be as large as possible, keeping at or below the recommended maximum rim speeds given in B. A diameter to give a rim speed in the range of 4000 to 6000 feet per minute is preferred. Larger diameters mean higher horsepower ratings and fewer belts, resulting in a more economical drive. Be sure that the motor sheave is equal to or larger than the minimum recommended diameter shown in Tables Nos. 3, 4 or 5 on Page 19.

Also, larger diameters mean lower operating tensions, thereby decreasing shaft and bearings loads. Large diameters are not so important on more lightly loaded, normal speed drives where the cost of the larger diameter sheave (to obtain the preferred belt speed) may result in a less economical drive or in the use of one belt, which sacrifices multiple belt dependability. For large drives, it is usually best to check several designs for economics before making a final choice.

F. If the drive is to use an idler, see Page 247 for steps to take in selecting idler diameters.

Table No. 46

Add-On Factors to Calculate Polyflex® JB® and Micro-V® Belt Pitch Diameters

Cross Section	O.D. to P.D. Value (In.)
Micro-V	
J	0.030
L	0.058
M	0.116
Polyflex JB	
5M	0.050
7M	0.090
11M	0.140

How to Design Belt Drives Using Nonstock Sheaves and Drives Using Idlers — continued

Step 5 Select the Center Distance and V-Belt Number

There are practically no center distance limits for Gates V-belt drives. They are especially well adapted for short center distances — which means more economical drives and more compact designs. But long center distances can be used just as well when required.

A. If you do not already know a **tentative center distance,** a good estimate to use is equal to the large sheave diameter or ½ (D + 3d), whichever is the larger. You can then find a tentative belt length by solving the following formula:

Formula No. 3

Tentative Belt Length = 1.57 (D + d) + (Tentative Center Distance x 2)

Where: D = diameter of large sheave
d = diameter of small sheave

NOTE: Belt length is Outside Circumference for Super HC® belts, and Datum Length for HiPower® II or Tri-Power® Molded Notch belts.

D and d are Outside Diameters for Super HC, and Datum Diameters for Hi-Power II or Tri-Power Molded Notch.

B. If your drive is to use an idler, see the Idler Section on Page 247 for the correct method of selecting a belt length and calculating center distance. If no idler used, go to the next step.

C. Now select a **standard length V-belt** from tables on Pages 6 through 13, closest to the length obtained by solving the above formula. The actual center distance can then be calculated by a short, direct method, using the following formula:

Formula No. 4

$$\text{Actual Center Distance} = \frac{A - h\,(D - d)}{2}$$

Where: A = belt length - 1.57 (D + d)
h = a center distance factor, depending on the value of $\frac{D-d}{A}$ from Table No. 27

NOTE: Belt length is Outside Circumference for Super HC, and Datum Length for Hi-Power II or Tri-Power Molded Notch.
D and d are Outside Diameters for Super HC, and Datum Diameters for Hi-Power II or Tri-Power Molded Notch.

C. (Alternate Method)

Many drive designers prefer to use a trial and error method rather than the above method. Usually the first or second trial at solving the following formula will yield an answer that is sufficiently close for all practical purposes:

Formula No. 5

$$\text{Belt Length} = 2C + 1.57\,(D + d) + \frac{(D - d)^2}{4C}$$

Where: C = Actual Center Distance

NOTE: Belt length is Outside Circumference for Super HC, and Datum Length for Hi-Power II or Tri-Power Molded Notch.
D and d are Outside Diameters for Super HC, and Datum Diameters for Hi-Power II or Tri-Power Molded Notch.

Table No. 47 — Center Distance Factor "h"

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

Step 6 Find the Number of Belts/Ribs Required

A. Refer to the following tables:

Table No.	Pages
9-13	70-74
18-24	126-132
28-30	152-154
35-37	190-192

Find the basic horsepower rating for your small sheave diameter and the RPM of the faster shaft. Add the "additional horsepower for speed ratio" from the right of the table to find the **rated horsepower per belt.**

B. Calculate (D - d)/C and find **Factor Kϕ** from Table No. 48 at right. (D and d are the large and small diameters and C is the center distance, in inches.) Then from Table Nos. 49 through 53 on Pages 206 and 209, find the **belt length correction factor** for the belt length selected. Multiply these two values together to obtain the **horsepower correction factor.**

NOTE: If your drive uses an **idler,** see Page 248 to find the proper correction factors.

Table No. 48

Arc of Contact Correction Factor Kϕ for V-V Drives

D – d / C	Arc of Contact on Small Sheave (°)	Factor Kϕ	
		A, B, C, D 3V, 5V, 8V 5M, 7M, 11M	Micro-V J, L, M
0.00	180	1.00	1.00
0.10	174	0.99	0.98
0.20	169	0.97	0.97
0.30	163	0.96	0.95
0.40	157	0.94	0.94
0.50	151	0.93	0.92
0.60	145	0.91	0.90
0.70	139	0.89	0.88
0.80	133	0.87	0.85
0.90	127	0.85	0.83
1.00	120	0.82	0.80
1.10	113	0.80	0.77

This table is for all Standard V-Belt drives without idlers. For drives with idler, refer to Use of Idlers Section, starting on Page 247 and use Table No. 85 on page 248 or the correct Kϕ factor. For V-Flat drives, see Table No. 89 on Page 251.

How to Design Belt Drives Using Nonstock Sheaves and Drives Using Idlers — continued

Step 6 Find the Number of Belts Required — continued

C. Multiply the rated horsepower per belt by the horsepower correction factor to obtain the **horsepower per belt.**

D. Divide the design horsepower by the horsepower per belt to find the **number of belts** required. The answer will usually contain a fraction. Use the next larger whole number of belts.

E. Before deciding upon this drive as your final design, see Step 4, E, on Page 204 for a drive review. If your are satisfied with the design proceed to the next step.

Table No. 49

Super HC® and Super HC Molded Notch V-Belt Length Correction Factor

3VX & 3V		5VX & 5V		8V	
V-Belt No.	Correction Factor	V-Belt No.	Correction Factor	V-Belt No.	Correction Factor
3VX250	0.83	5VX450*†	0.83	8V1000	0.87
3VX265*	0.84	5VX470*†	0.84	8V1060	0.88
3VX280	0.85	5VX490*†	0.85	8V1120	0.88
3VX300	0.86	5VX500	0.85	8V1180	0.89
3VX315	0.87	5VX510*†	0.85	8V1250	0.90
3VX335	0.88	5VX530*	0.86	8V1320	0.91
3VX355	0.90	5VX540*†	0.86	8V1400	0.92
3VX375	0.91	5VX550*†	0.87	8V1500	0.93
3VX400	0.92	5VX560	0.87	8V1600	0.94
3VX425	0.93	5VX570*†	0.87	8V1700	0.94
3VX450	0.94	5VX580*†	0.88	8V1800	0.95
3VX475	0.95	5VX590*†	0.88	8V1900	0.96
3VX500	0.96	5VX600	0.88	8V2000	0.97
3VX530	0.97	5VX610*†	0.88	8V2120	0.98
3VX560	0.98	5VX630	0.89	8V2240	0.98
3VX600	0.99	5VX650*†	0.89	8V2360	0.99
3VX630	1.00	5VX660*†	0.90	8V2500	1.00
3VX670	1.01	5VX670	0.90	8V2650	1.01
3VX710	1.02	5VX680*†	0.90	8V2800	1.02
3VX750	1.03	5VX690*†	0.90	8V3000	1.03
3VX800	1.04	5VX710	0.91	8V3150	1.03
3VX850	1.06	5VX730*†	0.91	8V3350	1.04
3VX900	1.07	5VX740*†	0.91	8V3550	1.05
3VX950	1.08	5VX750	0.92	8V3750	1.06
3VX1000	1.09	5VX780*†	0.92	8V4000	1.07
3VX1060	1.10	5VX800	0.93	8V4250	1.08
3VX1120	1.11	5VX810*†	0.93	8V4500	1.09
3VX1180	1.12	5VX830*†	0.93	8V4750	1.09
3VX1250	1.13	5VX840*†	0.94	8V5000	1.10
3VX1320	1.14	5VX850	0.94	8V5600	1.12
3VX1400	1.15	5VX860*†	0.94		
		5VX880*†	0.94		
		5VX900	0.95		
		5VX930*†	0.95		
		5VX950	0.96		
		5VX960*†	0.96		
		5VX1000	0.96		
		5VX1030*†	0.97		
		5VX1060	0.97		
		5VX1080*†	0.98		
		5VX1120	0.98		
		5VX1150*†	0.99		
		5VX1180	0.99		
		5VX1230*†	1.00		
		5VX1250	1.00		

Table No. 49 (continued)

Super HC® and Super HC Molded Notch V-Belt Length Correction Factor

3VX & 3V		5VX & 5V		8V	
V-Belt No.	Correction Factor	V-Belt No.	Correction Factor	V-Belt No.	Correction Factor
		5VX1320	1.01		
		5VX1400	1.02		
		5VX1500	1.03		
		5VX1600	1.04		
		5VX1700	1.05		
		5VX1800			
		5VX1900	1.06		
		5VX2000	1.07		
		5V2120	1.09		
		5V2240	1.09		
		5V2360	1.10		
		5V2500	1.11		
		5V2650	1.12		
		5V2800	1.13		
		5V3000	1.14		
		5V3150	1.15		
		5V3350	1.16		
		5V3550	1.17		

*Available in VX only.
†New size available in 1999.

Step 7 Provide the Minimum Installation and Takeup Allowances

A. Find the recommended **installation and takeup** allowances from Table Nos. 38 through 41 on Pages 193 and 194.

B. If you cannot use adjustable centers to provide these allowances for installing and taking up the belts you must provide some other means to do this. The most common method is to use an idler. See Page 247 for detailed instructions on the proper way to use idlers.

Table No. 50

A Section		B Section		C Section		D Section	
V-Belt No.	Correction Factor	V-Belt No.	Correction Factor	V-Belt No.	Correction Factor	V-Belt No.	Correction Factor
A24	0.74	B28	0.74	C51	0.77	D 120	0.86
A25	0.75	B29	0.74	C53	0.78	D128	0.88
A26	0.75	B30	0.75	C55	0.79	D144	0.90
A27	0.75	B31	0.75	C60	0.81	D158	0.92
A28	0.76	B32	0.75	C62	0.82	D162	0.92
A29	0.77	B33	0.76	C68	0.83	D173	0.94
A29.8	0.77	B34	0.76	C71	0.84	D180	0.94
A30	0.78	B35	0.77	C72	0.85	D195	0.96
A31	0.79	B36	0.77	C75	0.86	D210	0.98
A32	0.80	B37	0.78	C78	0.86	D225	0.99
A33	0.81	B38	0.79	C81	0.87	D240	1.00
A34	0.81	B39	0.79	C83	0.87	D255	1.01
A35	0.82	B40	0.80	C85	0.88	D270	1.02
A36	0.83	B41	0.81	C90	0.90	D285	1.03
A37	0.84	B42	0.81	C93	0.90	D315	1.06
A38	0.84	B43	0.82	C96	0.91	D330	1.06
A39	0.85	B44	0.82	C97	0.91	D345	1.07
A40	0.86	B45	0.83	C99	0.92	C360	1.08
A41	0.86	B46	0.83	C100	0.92	D390	1.10
A42	0.87	B47	0.83	C101	0.92	D420	1.11

Click Here for Single Page View

How to Design Belt Drives Using Nonstock Sheaves and Drives Using Idlers — continued

Table No. 50 (continued)

Hi-Power® II V-Belt and Length Correction Factor

A Section		B Section		C Section		D Section	
V-Belt No.	Correction Factor	V-Belt No.	Correction Factor	V-Belt No.	Correction Factor	V-Belt No.	Correction Factor
A43	0.88	B48	0.84	C105	0.93	D450	1.13
A44	0.88	B49	0.84	C106	0.93	D480	1.14
A45	0.89	B50	0.85	C108	0.93	D540	1.16
A46	0.90	B51	0.85	C109	0.94	D600	1.19
A47	0.90	B52	0.86	C111	0.94	D660	1.21
A48	0.91	B53	0.87	C112	0.94		
A49	0.91	B54	0.87	C115	0.95		
A50	0.91	B55	0.88	C120	0.95		
A51	0.92	B56	0.88	C124	0.96		
A52	0.92	B57	0.88	C128	0.97		
A53	0.93	B58	0.89	C136	0.99		
A54	0.93	B59	0.89	C144	1.00		
A55	0.94	B60	0.90	C150	1.00		
A56	0.94	B61	0.90	C156	1.01		
A57	0.95	B62	0.91	C158	1.02		
A58	0.96	B63	0.91	C162	1.03		
A59	0.97	B64	0.92	C170	1.03		
A60	0.97	B65	0.92	C173	1.04		
A61	0.97	B66	0.92	C180	1.05		
A62	0.98	B67	0.93	C190	1.06		
A63	0.98	B68	0.93	C195	1.07		
A64	0.99	B69	0.93	C210	1.08		
A65	0.99	B70	0.94	C225	1.10		
A66	0.99	B71	0.94	C240	1.11		
A67	1.00	B72	0.94	C255	1.13		
A68	1.00	B73	0.95	C270	1.14		
A69	1.00	B74	0.95	C285	1.15		
A70	1.01	B75	0.95	C300	1.16		
A71	1.01	B76	0.95	C315	1.17		
A72	1.01	B77	0.96	C330	1.18		
A73	1.02	B78	0.96	C345	1.19		
A74	1.02	B79	0.96	C360	1.20		
A75	1.03	B80	0.97	C390	1.22		
A76	1.03	B81	0.97	C420	1.24		
A77	1.03	B82	0.98				
A78	1.04	B83	0.98				
A79	1.04	B84	0.98				
A80	1.05	B85	0.99				
A81	1.05	B86	0.99				
A82	1.05	B87	0.99				
A83	1.05	B88	0.99				
A84	1.06	B89	1.00				
A85	1.06	B90	1.00				
A86	1.06	B91	1.00				
A87	1.06	B92	1.00				
A88	1.07	B93	1.01				
A89	1.07	B94	1.01				
A90	1.08	B95	1.01				
A91	1.08	B96	1.01				
A92	1.08	B97	1.02				
A93	1.08	B98	1.02				
A94	1.09	B99	1.02				
A95	1.09	B100	1.03				
A96	1.09	B103	1.03				
A97	1.10	B105	1.03				
A98	1.10	B106	1.04				
A100	1.10	B108	1.05				
A103	1.11	B110	1.05				
A105	1.12	B112	1.05				
A110	1.12	B114	1.05				
A112	1.13	B115	1.06				
A115	1.14	B116	1.06				
A120	1.15	B118	1.07				
A124	1.16	B120	1.07				
A128	1.17	B124	1.08				

Table No. 50 (continued)

Hi-Power® II V-Belt and Length Correction Factor

A Section		B Section		C Section		D Section	
V-Belt No.	Correction Factor	V-Belt No.	Correction Factor	V-Belt No.	Correction Factor	V-Belt No.	Correction Factor
A133	1.17	B126	1.08				
A136	1.17	B128	1.09				
A144	1.18	B133	1.09				
A158	1.18	B136	1.10				
A173	1.19	B140	1.11				
A180	1.19	B142	1.11				
		B144	1.12				
		B148	1.13				
		B150	1.13				
		B154	1.14				
		B158	1.14				
		B162	1.15				
		B173	1.16				
		B180	1.17				
		B188	1.17				
		B190	1.18				
		B195	1.19				
		B205	1.21				
		B210	1.22				
		B225	1.23				
		B240	1.24				
		B255	1.26				
		B270	1.27				
		B285	1.29				
		B300	1.30				
		B315	1.31				

Table No. 51

Tri-Power® Molded Notch V-Belt Length Correction Factor

AX Section		BX Section		CX Section	
V-Belt No.	Correction Factor	V-Belt No.	Correction Factor	V-Belt No.	Correction Factor
AX21*	0.69	BX28*	0.71	CX51	0.77
AX22*	0.70	BX31	0.76	CX60	0.81
AX23*	0.71	BX32*	0.75	CX68	0.83
AX24*	0.72	BX34	0.77	CX75	0.86
AX26	0.75	BX35	0.77	CX81	0.87
AX27*	0.76	BX36	0.78	CX85	0.88
AX28	0.77	BX38	0.79	CX90	0.90
AX29*	0.77	BX40	0.80	CX96	0.91
AX31	0.79	BX41	0.81	CX100	0.92
AX32	0.80	BX42	0.81	CX101*	0.92
AX33	0.81	BX43*	0.82	CX105	0.92
AX34	0.81	BX44*	0.82	CX106	0.93
AX35	0.82	BX45	0.82	CX109	0.93
AX36	0.83	BX46	0.83	CX112	0.94
AX37	0.84	BX47*	0.84	CX115	0.95
AX38	0.84	BX48	0.84	CX120	0.96
AX39	0.85	BX49*	0.85	CX128	0.97
AX40*	0.86	BX50	0.85	CX136	0.99
AX41	0.86	BX51	0.85	CX144	1.00
AX42	0.87	BX52	0.86	CX150*	1.01
AX43	0.88	BX53	0.86	CX158	1.02
AX45*	0.89	BX54	0.87	CX162	1.03
AX46	0.90	BX55	0.87	CX173	1.04
AX47*	0.90	BX56	0.88	CX180	1.05
AX48	0.91	BX57*	0.89	CX190	1.06

*New size available in 1999.

How to Design Belt Drives Using Nonstock Sheaves and Drives Using Idlers — continued

Table No. 51 (continued)

Tri-Power® Molded Notch V-Belt Length Correction Factor

AX Section		BX Section		CX Section	
V-Belt No.	Correction Factor	V-Belt No.	Correction Factor	V-Belt No.	Correction Factor
AX49*	0.91	BX58	0.88	CX195	1.07
AX50*	0.92	BX59	0.89	CX210	1.08
AX51	0.92	BX60	0.90	CX225	1.08
AX52*	0.93	BX61	0.90	CX240	1.09
AX53	0.93	BX62	0.91	CX255	1.09
AX54	0.94	BX63	0.91	CX270	1.10
AX55	0.95	BX64	0.92	CX300	1.10
AX56	0.96	BX65	0.92	CX330	1.11
AX57*	0.95	BX66	0.92	CX360	1.11
AX58	0.96	BX67	0.93		
AX59*	0.96	BX68	0.93		
AX60	0.97	BX69*	0.93		
AX61*	0.97	BX70	0.94		
AX62	0.97	BX71	0.94		
AX63*	0.98	BX72*	0.94		
AX64	0.98	BX73*	0.95		
AX65*	0.99	BX74*	0.95		
AX66	0.99	BX75	0.95		
AX67*	1.00	BX76*	0.96		
AX68	1.00	BX77	0.95		
AX69*	1.00	BX78	0.96		
AX70	1.00	BX79	0.96		
AX71	1.01	BX80	0.97		
AX72*	1.02	BX81	0.98		
AX73*	1.02	BX82	0.98		
AX74*	1.02	BX83	0.99		
AX75	1.03	BX84*	0.98		
AX76*	1.03	BX85	0.99		
AX77*	1.03	BX86*	0.99		
AX78	1.04	BX87*	0.99		
AX79*	1.04	BX88*	0.99		
AX80	1.05	BX89*	1.00		
AX81*	1.05	BX90	1.00		
AX82*	1.05	BX91*	1.00		
AX85	1.06	BX92*	1.01		
AX86*	1.06	BX93	1.00		
AX87*	1.07	BX94*	1.01		
AX88*	1.07	BX95	1.01		
AX90	1.08	BX96	1.01		
AX91*	1.08	BX97	1.01		
AX92*	1.08	BX98	1.02		
AX93*	1.08	BX99	1.02		
AX94*	1.09	BX100	1.03		
AX96	1.09	BX103	1.03		
AX97*	1.10	BX105	1.04		
AX98*	1.10	BX108	1.05		
AX103*	1.11	BX112	1.05		
AX105	1.12	BX113*	1.06		
AX110	1.12	BX115	1.06		
AX112	1.13	BX116*	1.06		
AX120	1.15	BX120	1.07		
AX128	1.17	BX124	1.08		
AX144*	1.20	BX128	1.09		
AX173*	1.25	BX133	1.09		
		BX136	1.10		
		BX140*	1.11		
		BX144	1.12		
		BX150*	1.13		
		BX158	1.14		
		BX162	1.15		

*New size available in 1999.

Table No. 51 (continued)

Tri-Power® Molded Notch V-Belt Length Correction Factor

AX Section		BX Section		CX Section	
V-Belt No.	Correction Factor	V-Belt No.	Correction Factor	V-Belt No.	Correction Factor
		BX173	1.16		
		BX180	1.17		
		BX195	1.19		
		BX205	1.21		
		BX210	1.21		
		BX225	1.21		
		BX255	1.22		
		BX270	1.22		
		BX300	1.23		

*New size available in 1999.

Table No. 52

Polyflex® JB® Length Correction Factor

Belt Designation	Length Correction Factors			Belt Designation	Length Correction Factors		
	5M	7M	11M		5M	7M	11M
280	0.83	—	—	825	1.15	1.00	0.94
290	0.84	—	—	850	1.16	1.00	0.94
300	0.85	—	—	875	1.17	1.01	0.95
307	0.86	—	—	900	1.17	1.02	0.96
315	0.87	—	—	925	1.18	1.02	0.96
325	0.88	—	—	950	1.19	1.03	0.97
335	0.89	—	—	975	1.20	1.04	0.98
345	0.89	—	—	1000	1.20	1.04	0.98
355	0.90	—	—	1030	1.21	1.05	0.99
365	0.91	—	—	1060	1.22	1.06	1.00
375	0.92	—	—	1090	1.23	1.07	1.00
387	0.93	—	—	1120	1.24	1.07	1.01
400	0.94	—	—	1150	1.25	1.08	1.02
412	0.95	—	—	1180	1.25	1.09	1.02
425	0.96	—	—	1220	1.26	1.09	1.03
437	0.96	—	—	1250	1.27	1.10	1.04
450	0.97	—	—	1280	1.28	1.11	1.04
462	0.98	—	—	1320	1.29	1.11	1.05
475	0.99	—	—	1360	1.29	1.12	1.06
487	1.00	—	—	1400	1.30	1.13	1.06
500	1.00	0.87	—	1450	1.31	1.14	1.07
515	1.01	0.88	—	1500	1.32	1.15	1.08
530	1.02	0.88	—	1550	—	1.15	1.09
545	1.03	0.89	—	1600	—	1.16	1.09
560	1.04	0.90	—	1650	—	1.17	1.10
580	1.05	0.91	—	1700	—	1.18	1.11
600	1.06	0.91	—	1750	—	1.19	1.12
615	1.06	0.92	—	1800	—	1.19	1.12
630	1.07	0.93	—	1850	—	1.20	1.13
650	1.08	0.94	—	1900	—	1.21	1.13
670	1.09	0.94	—	1950	—	1.21	1.14
690	1.10	0.95	—	2000	—	1.22	1.15
710	1.10	0.96	0.90	2060	—	1.23	1.15
730	1.11	0.96	0.91	2120	—	1.23	1.16
750	1.12	0.97	0.91	2180	—	1.24	1.17
775	1.13	0.98	0.92	2240	—	1.25	1.17
800	1.14	0.99	0.93	2300	—	1.25	1.18

How to Design Belt Drives Using Nonstock Sheaves and Drives Using Idlers — continued

Table No. 53

Micro-V® Belt Length Correction Factors

J Section		L Section		M Section	
Standard Length Designation	Correction Factor	Standard Length Designation	Correction Factor	Standard Length Designation	Correction Factor
180	0.76	500	0.87	900	0.88
190	0.78	540	0.89	940	0.89
200	0.79	560	0.90	990	0.90
220	0.82	615	0.92	1060	0.91
240	0.85	635	0.93	1115	0.92
260	0.87	655	0.94	1150	0.93
280	0.89	675	0.95	1185	0.94
300	0.91	695	0.95	1230	0.94
320	0.93	725	0.96	1310	0.96
340	0.95	765	0.98	1390	0.97
360	0.97	780	0.98	1470	0.98
380	0.98	795	0.99	1610	1.00
400	1.00	815	0.99	1650	1.01
420	1.01	840	1.00	1760	1.02
430	1.02	865	1.01	1830	1.03
440	1.03	915	1.02	1980	1.04
460	1.04	975	1.04	2130	1.06
490	1.06	990	1.04	2410	1.09
520	1.08	1065	1.06	2560	1.10
550	1.10	1120	1.07	2710	1.11
580	1.11	1150	1.08	3010	1.13
610	1.13	1215	1.09	3310	1.15
650	1.15	1230	1.09	3610	1.17
730	1.18	1295	1.11	—	—
870	1.23	1310	1.11	—	—
920	1.25	1455	1.13	—	—
980	1.27	—	—	—	—

Drive Selection Example Speedup Drive Using Super HC® V-Belts

Given:

1. A 7.5 hp normal torque electric motor is to drive a woodworking router in continuous service.
2. 1750 rpm motor speed.
3. 4250 rpm desired router speed.
4. Desired center distance about 20".

Comments	Results
Step 1 **Find the Design Horsepower**	
A. From Table No. 2 on Page 14, the Service Factor is 1.4.	**Service Factor = 1.4**
B. Horsepower requirement of the drive is 7.5.	
C. Design Horsepower is 7.5 x 1.4 = 10.5.	**Design Horsepower = 10.5**
Step 2 **Select the Proper V-Belt Section**	
A. From Figure No. 1 on Page 15, a drive with Design Horsepower of 10.5 and 4250 rpm of the faster shaft can use a 3VX section Super HC Molded Notch V-Belt.	**Belt Selection = 3VX**
Step 3 **Select the Drive**	
A. Calculate the speed ratio. This is always the faster rpm divided by the slower rpm. 4215 ÷ 1750 = 2.41	**Speed Ratio = 2.41**
B. Turn to the drive selection table for 3VX belts, Table No. 6 on Page 28.	
1. Under the column for Speed Ratio, find 2.41.	
2. In the column headed Sheave Outside Diameters, read small sheave 3.35", large sheave 8.00". Since this is a speedup drive, the large sheave will be on the motor as the driveR, the small sheave will be the driveN.	**Motor Sheave = 8.00" O.D.** **Router Sheave = 3.35" O.D.**
3. Check allowable NEMA minimum sheave size from Table No. 3 on Page 13. This is 300" for a 7.5 hp motor, 1750 rpm since the large sheave, 8.00" O.D. will be the driveR, it is well above the minimum required.	**NEMA Minimum Recommended Sheave = 3.00" O.D.**
4. On the same line as the 2.41 Speed Ratio, read across to find a center distance of 21", nearest to the desired 20". At the top of this column, read 3VX600, the specified belt for this center distance.	**Center Distance = 21"** **V-Belt Number = 3VX600**
5. The center distance value of 21" is in the white area of the table. The horsepower correction factor shown at the bottom of Page 28 is 1.0. Record this.	**Horsepower Correction Factor = 1.0**
C. Calculate Belt Horsepower Rating	
1. Turn to Table No. 9 on Page 70. Using the faster shaft rpm of 4200 (rounding down form 4215) read across to column headed 3.35" and find 6.85. This is the basic horsepower rating. Read across on the same line under the Additional Horsepower section, in column headed 1.58 and over, read 0.59. Add this to 6.85 to find rated horsepower per belt. 6.85 + 0.59 = 7.44.	**Rated Horsepower per Belt = 7.4**
2. The horsepower correction factor recorded in B., 5. above was 1.0. Horsepower per belt = 1.0 x 7.4 = 7.4	**Horsepower per Belt = 7.4**
D. Calculate Number of Belts/Ribs Required Design horsepower divided by the belt horsepower rating: 10.5 ÷ 7.4 = 1.4 or 2 belts.	**Number of belts = 2**
E. The center distance allowances for installation and takeup from Table No. 38 on Page 193 are minus 0.8" for installation and plus 1.2" for takeup.	**Shortest Center Distance = 21 - 0.8 = 20.2"** **Longest Center Distance = 21 + 1.2 = 22.2"**

Drive Selection Example
Using a Large Sheave Already on Hand and Super HC® V-Belts

Given:

1. A 75 horsepower motor, 1160 rpm, is being used to drive a centrifugal pump at 760 rpm. The sheaves are 3/5V 14.0" (motor) and 3/5V 21.2" (pump). Belts are 3 each, 5V1400.
2. A new 75 horsepower motor, 1750 rpm, normal torque is being installed. The user wants to retain the sheave on the pump, and keep the center distance about the same. Service will be continuous, pump speed needs to be increased to approximately 795 rpm. A new stock driveR sheave and a set of belts are required (present driveN sheave shows very little wear).

   From Table No. 43 on Page 202, note that both 14" and 21.2" sheaves are stock sizes.

Comments	Results
	installation allowance, and plus 2.2" for takeup.
Step 1 **Find the Design Horsepower** **A.** From Table No. 2 on Page 14, the Service Factor is 1.2. **B.** The drive horsepower requirement is 75. **C.** The design horsepower requirement is 75 x 1.2 = 90.	**Service Factor = 1.2** **Design Horsepower = 90**
Step 2 **Select the V-Belt Cross Section** **A.** The existing sheaves with 5V grooves will require the use of 5V or 5VX belts.	**5V/5VX Section Belts**
Step 3 **Determine Center Distance of Present Drive** **A.** Turn to Page 42 of the 5V/5VX selection tables. Find the sheave combination of 14" and 21.2". **B.** Reading across, find a center distance of 42.2" for 5VX1400 belt (center distance values are the same for both 5V and 5VX belts of the same length).	**Center Distance = 42.2"**
Step 4 **Determine New DriveR Sheave Size and Belt Length** **A.** Calculate new speed ratio — 1750 ÷ 795 = 2.20. **B.** Turn to Page 48 of the selection tables. Find a speed ratio as close as possible to 2.20 where the large sheave in the combination is 21.2" O.D. This is 2.19. DriveN speed is 799 rpm. **C.** Sheave sizes are 9.75" and 21.2". The new driveR sheave will be a 3 groove, 5V/9.75". **D.** Reading across on this same line, find a center distance of 41.3" with belt 5VX1320. This is very close to the center distance of 42.2" found in Step 3, B. above. **E.** At bottom of page, horsepower correction factor = 1.0.	**New Speed Ration = 2.20** **Speed Ratio = 2.19** **DriveN Speed = 799 rpm** **DriveR Sheave = 3/5V/9.75"** **Center Distance = 41.3"** **Belts = 3 each 5VX1320** **Horsepower Correction Factor = 1.0**
Step 5 **Determine Drive Capacity** **A.** Read across on the 9.75" – 21.2" sheave combination line to the horsepower rating under 1750 rpm,5VX and find 32.7 (all 5V Section belts up through 200" in length are Molded Notch, 5VX). **B.** There will be 3 belts used. Total drive capacity = 3 x 32.7 = 98.1. This exceeds design horsepower requirements of 90.	**Horsepower Rating Per Belt = 32.7** **Horsepower Capacity of Drive = 98.1**
Step 6 **Center Distance Allowance and Takeup From Table No. 38 on Page 193 are minus 1.0" for**	**Center Distance For Installation = 41.3" - 1.0" = 40.3"** **Maximum Center Distance For Takeup = 41.3" + 2.2" = 43.5"**

How to Tension V-Belt Drives

General Method

Tension of the belts on a V-belt is usually not critical. A few simple rules about tensioning will satisfy most of your requirements:

1. The best tension for a V-belt drive is the lowest tension at which the belts will not slip under the highest load condition.
2. Check the tension on a new drive frequently during the first day of operation.
3. Check the drive tension periodically, thereafter.
4. Too much tension shortens belt and bearing life.
5. Keep belts and sheaves free from any foreign material which may cause slip.
6. If a V-belt slips, **tighten it.**

NOTE: For quarter-turn drives, follow the tensioning instructions on Page 253.

Numerical Method

While designing a drive, it is well to specify data for use in tensioning the drive. Many users of V-belt drives rely on their experience and the above general rules for tensioning drives, but it has become common practice to actually measure the tension in a drive. Numerical methods for measuring tension have several advantages. For example, they prevent inexperienced personnel from drastically overtensioning or undertensioning a drive, thus preventing possible bearing or belt damage. Even with experienced personnel, it helps the individual get a feel for the tension needed in a particular drive. This is especially important with modern drives, where each V-belt is rated for higher horsepower than were previous belts. If a belt is to carry more horsepower, it must be installed proportionally tighter. Experience with older drives may lead to undertensioning of modern drives unless tension is measured at least once to help get the feel for correct tension.

The procedure in numerically tensioning a drive is:

1. Determine the correct tension for the stopped drive, called static tension, so that the tension will be correct when the drive is operating.
2. Measure the static tension so that it can be set at the correct value.

NOTE: Do not use this section if your drive uses a spring-loaded idler or other means of automatic drive tensioning. See your local Gates representative.

Tension Tester Method

1. Measure the span length (t).

2. Position the lower of the two “O” Rings using **either** of these methods:
   a. On the scale reading “Deflection inches”, set the “O” Ring(s) to show a deflection equal to $\frac{1}{64}$" per inch of span length (t).
   b. On the scale reading “Inches of Span Length”, set the “O” Ring(s) to show a deflection equal to the inches of measured span length (t).

3. At the center of the span (t), apply force with the Gates Tension Tester perpendicular to the span, large enough to deflect one belt of a multiple belt set on the drive until the bottom edge of the lower “O” Ring(s) is even with the tops of the remaining belts. For drives with only one belt, a straight edge across the pulleys will assure accuracy of positioning.

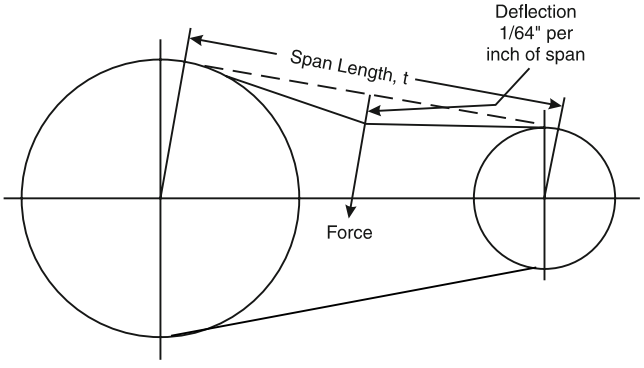
4. Find the amount of deflection **force** on the upper scale of the Tension Tester. The Sliding Rubber “O” Ring(s) slides up the scale as the tool compresses — and stays up for accurate reading of pounds force. Read at the bottom edge of the ring(s) (Slide ring down before reusing).

5. Compare the deflection force with the range of forces recommended. If **less** than **minimum** recommended deflection force, belts should be tightened. If **more** than **maximum** recommended deflection force, drive is tighter than necessary.

NOTE: There normally will be a rapid drop in tension during the “run-in period” for V-belt drives. Check tension frequently during the first day of operation.

Fig. No. 1

Tension Measurement By Deflection



How to Tension V-Belt Drives (continued)

Tension Tester Method (continued)

Table No. 54

Recommended Deflection Force Per Belt For Super HC® V-Belts, Super HC PowerBand® Belts, Super HC Molded Notch V-Belts or Super HC Molded Notch PowerBand Belts*

V-Belt Cross Section	Small Sheave Diameter Range (In.)	Small Sheave RPM Range	Speed Ratio Range	Recommended Deflection Force (Lbs.)	
				Minimum	Maximum
3V	2.65 - 2.80	1200-3600	2.00 to 4.00	3.0	4.3
	3.00 - 3.15	1200-3600		3.3	4.8
	3.35 - 3.65	1200-3600		3.7	5.4
	4.12 - 5.00	900-3600		4.4	6.4
	5.30 - 6.90	900-3600		4.8	7.1
3VX	2.20	1200-3600	2.00 to 4.00	2.8	4.1
	2.35 - 2.50	1200-3600		3.2	4.7
	2.65 - 2.80	1200-3600		3.5	5.1
	3.00 - 3.15	1200-3600		3.8	5.5
	3.35 - 3.65	1200-3600		4.1	6.0
	4.12 - 5.00	900-3600		4.8	7.1
	5.30 - 6.90	900-3600		5.8	8.6
5VX	4.40 - 4.65	1200-3600	2.00 to 4.00	9.0	13.0
	4.90 - 5.50	1200-3600		10.0	15.0
	5.90 - 6.70	1200-3600		11.0	17.0
	7.10 - 8.00	600-1800		13.0	19.0
	8.50 - 10.90	600-1800		14.0	20.0
	11.80 - 16.00	400-1200		15.0	23.0
5V	7.10 - 8.00	600-1800	2.00 to 4.00	11.0	16.0
	8.50 - 10.90	600-1800		13.0	18.0
	11.80 - 16.00	400-1200		14.0	21.0
8V	12.50 - 17.00	600-1200	2.00 to 4.00	28.0	41.0
	18.00 - 24.00	400- 900		32.0	48.0

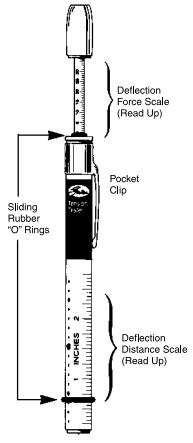
Table No. 55

Recommended Deflection Force Per Belt For Hi-Power II™ V-Belts, Hi Power II PowerBand Belts or Tri-Power® Molded Notch V-Belts*

V-Belt Cross Section	Small Sheave Diameter Range (In.)	Small Sheave RPM Range	Speed Ratio Range	Recommended Deflection Force (Lbs.)			
				Hi-Power II		Tri-Power Molded Notch	
				Minimum	Maximum	Minimum	Maximum
A AX	3.0	1750 to 3600	2.00 to 4.00	2.7	3.8	3.8	5.4
	3.2			2.9	4.2	3.9	5.6
	3.4 - 3.6			3.3	4.8	4.1	5.9
	3.8 - 4.2			3.8	5.5	4.3	6.3
	4.6 - 7.0			4.9	7.1	4.9	7.1
B BX	4.6	1160 to 1800	2.00 to 4.00	5.1	7.4	7.1	10.0
	5.0 - 5.2			5.8	8.5	7.3	11.0
	5.4 - 5.6			6.2	9.1	7.4	11.0
	6.0 - 6.8			7.1	10.0	7.7	11.0
	7.4 - 9.4			8.1	12.0	7.9	12.0
C CX	7.0	870 to 1800	2.00 to 4.00	9.1	13.0	12.0	18.0
	7.5			9.7	14.0	12.0	18.0
	8.0 - 8.5			11.0	16.0	13.0	18.0
	9.0 - 10.5			12.0	18.0	13.0	19.0
	11.0 - 16.0			14.0	21.0	13.0	19.0
D	12.0 - 13.0	690 to 1200	2.00 to 4.00	19.0	27.0	19.0	28.0
	13.5 - 15.5			21.0	30.0	21.0	31.0
	16.0 - 22.0			24.0	36.0	25.0	36.0

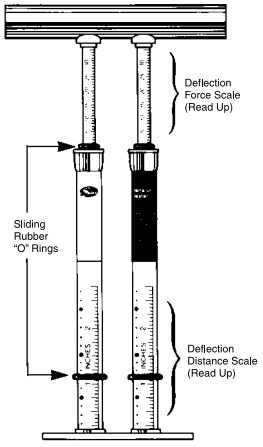
***Note: This information is for Horsepower Ratings which are mentioned in this manual only. Use with older drives could result in overtensioning.**

— up to 30 lbs.

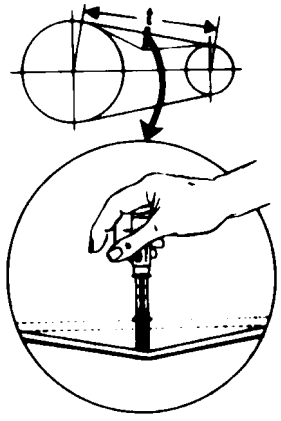


Read the scales at the bottom edge of the "O" Ring. Leave the upper "O" Ring in maximum "down" position

— up to 66 lbs.



Read the scales at the bottom edge of the "O" Ring. Leave the upper "O" Ring in maximum "down" position



Part No.	Force Limitation
7401-0076	Up to 30 Lbs.
7401-0075*	Up to 66 Lbs.

*Dual Tensioner

NOTE: Lay a steel bar or a narrow block of wood across the PowerBand® belt and apply the deflection force to the bar so that all of the individual strands in the band are deflected the same amount. If more than one PowerBand Belt is used on the drive, the neighboring band can be used as a reference for measuring the deflection, just as is done with individual V-belts. If only one band is used, lay a straightedge or stretch a string from sheave-to-sheave to use as a reference for measuring deflection. Lay the straightedge or string across the back of the PowerBand Belt on the sheaves.

In tensioning Gates PowerBand Belts, multiply the pounds of deflection forces by the number of belts in the band. The tension tester can be applied as indicated above to deflect the entire PowerBand Belt, providing a small board or metal plate is placed on top of the band so that all belts in the band are deflected a uniform amount. A straight-edge can be laid across the sheaves to use as a reference for measuring deflection.

How to Tension V-Belt Drives—continued
Regular V-Belt Tensioning Method

Step 1 Find the Required Tension Per Strand of Belt (Static Tension)

A. The **static tension per strand** (T_{st}) is given by this formula:

Formula No. 6

$$T_{st} = 15\left(\frac{2.5^{*} - K\phi}{K\phi}\right)\left(\frac{(\text{Design HP})\,(10^3)}{(N)(V)}\right) + \frac{MV^2}{10^6}$$

Where: $K\varphi$ = **arc correction factor from Table No. 48 on Page 205 or Table No. 89 on Page 251 for V-Flat drives.**

N = **Number of belts. (This is the number of strands in the case of PowerBand® Belts.)**

V = **Belt speed, ft./min.**

M = **Constant from Table No. 56.**

*2.67 for Micro-V® Belts.

Table No. 56
Factor M and Factor Y

Cross Section	M	Y
Super HC® Molded Notch		
3VX	0.29	4
5VX	0.78	13
Super HC® Molded Notch PowerBand®		
3VX	0.39	4
5VX	0.98	13
Super HC		
5V	1.0	11
8V	2.6	22
Super HC PowerBand		
3V	0.46	4
5V	1.2	11
5VP	1.2	39
8V	3.0	22
Hi-Power® II		
A	0.51	7
B	0.80	8
C	1.5	18
D	3.0	27

Cross Section	M	Y
Hi-Power II PowerBand		
A	0.66	7
B	1.0	9
C	1.8	18
D	3.4	28
Tri-Power® Molded Notch		
AX	0.47	7
BX	0.76	8
CX	1.31	15
Micro-V® Belt		
J*	0.035	0.56
L	0.130	1.90
M	0.520	6.30
Polyflex® JB®		
5M**	0.05	1.2
7M	0.14	4.6
11M	0.31	8.5

*If the calculated T_{st} value is less than 2.81 lbs for a J cross section Micro-V belt, use 2.81 lbs to calculate upper and lower deflection forces in step 2.

**If the calculated T_{st} value is less than 7.87 lbs for a 5M cross section Polyflex belt, use 7.87 to calculate upper and lower deflection forces in step 2.

These minimum T_{st} values must be used on lightly loaded drives due to belt stiffness so the belt will properly conform to the sheave.

Step 2 Determine the Lower and Upper Recommended Forces to Deflect One Belt 1/64" Per Inch of Span Length

A. Measure the **span length** (t) of your drive (or see Formula No. 35 on Page 261 to calculate span length).

B. If your drive uses **two or more** PowerBand Belts or individual belts, calculate the lower and upper recommended deflection forces by these formulas:

Formula No. 7

$$\text{Lower Recommended Force} = \frac{T_{st} + Y}{16}$$

Formula No. 8

$$\text{Upper Recommended Force} = \frac{1.5\,T_{st} + Y}{16}$$

Where: T_{st} = **tension per strand from Step 1.**

Y = **constant from Table No. 56.**

C. If your drive has only **one** PowerBand Belt (See D top right) or individual belt, calculate the lower and upper recommended deflection forces by these formulas:

Formula No. 9

$$\text{Lower Recommended Force} = \frac{T_{st} + \left(\frac{t}{L}\right)Y}{16}$$

Formula No. 10

$$\text{Upper Recommended Force} = \frac{1.5\,T_{st} + \left(\frac{t}{L}\right)Y}{16}$$

Where: T_{st} = **tension per strand from Step 1.**

Y = **constant from Table No. 56.**

t = **span length (see Figure No. 1 on Page 212).**

L = **belt length**

D. The deflection forces calculated in Step 2B or 2C are for an individual belt. Multiply these forces by the number of individual strands in a band to get the lower and upper recommended forces for a PowerBand Belt. (If your drive uses 2 or more PowerBand Belts, use the band with the fewest number of strands.)

Step 3 Determine If the Belts are Properly Tensioned

A. At the center of the span(t) **measure the force** required to deflect one belt on the drive 1/64" per inch of span length from its normal position. Be sure to apply the force perpendicular to the belt. See Figure No. 1 on Page 212. If your drive is a single belt drive or uses only one PowerBand Belt, be sure that at least one sheave is free to rotate. For PowerBand, see Step 1C of the Simplified Method for instructions on how to apply the measuring force and how to measure deflection.

B. If the measured force is less than the lower recommended force, the belts should be tightened. If it is more than the upper recommended force, the drive is tighter than it needs to be.

Gates PowerBand Belt Tensioning Information

When the cross section and number of strands in a Gates PowerBand Belt become so large that the deflection force is greater than can reasonably be imposed on the belt, a method of measuring tension other than the deflection method may be used.

The alternate method of checking PowerBand Belt tension is the Elongation Method. The principle is simple. A known amount of tension elongates a belt a known amount. Therefore the elongation of a PowerBand Belt as it is installed on a drive and tensioned is a measure of the static tension in the belt.

Elongation Method for Tensioning PowerBand Belts

Step 1 Find the Required Tension Per Strand of Belt (Static Tension)

A. Find the **required static tension, T_{st},** using Formula No. 6 in Step 1A of the Regular V-Belt Tensioning Method.

B. Find a range or recommended tensions.

Low Tension = T_{st}

Upper Tension = 1.5 x T_{st}

Step 2 Find the Amount to Elongate the Belt (On the Drive) to Obtain the Above Tension

A. Measure the **outside circumference** of the belt at no tension. This can be done with the belt either on or off the drive.

NOTE: If you are retensioning a used drive, slack off on the drive until there is no tension, then tape the outside circumference of the belt while it is still on the drive.

B. Find the correct **belt length multiplier** from Table No. 57 on Page 215 for each of the static tensions you calculated above.

C. Multiply the taped outside circumference of the PowerBand Belt of each of the belt length multipliers. This gives the **elongated outside circumference** of the PowerBand Belt corresponding to each of the calculated tensions.

Step 3 Tension the Drive

A. With the PowerBand Belt installed on the drive, tighten it until the taped outside circumference falls between the elongated outside circumferences calculated above.

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Table No. 57

Belt Length Multipliers for Tensioning PowerBand® Belts

	Super HC® Molded Notch PowerBand Belts & Super HC PowerBand Belts					Hi-Power® II PowerBand Belts					
	Cross Section										
						A*	B		C		D
Tst Per Strand (Lbs.)	3V	3VX	5VX	5V	8V	Equal To or Less Than 210" Length	Equal To or Less Than 210" Length	Over 210" Length	Equal To or Less Than 210" Length	Over 210" Length	
10	1.00122	1.00091	1.00033	1.00053	1.00029	1.00048	1.00042	1.00050	1.00025	1.00033	1.00017
12	1.00146	1.00109	1.00040	1.00063	1.00034	1.00057	1.00050	1.00060	1.00030	1.00040	1.00021
14	1.00171	1.00127	1.00047	1.00074	1.00040	1.00067	1.00058	1.00070	1.00035	1.00047	1.00024
16	1.00195	1.00145	1.00053	1.00084	1.00046	1.00076	1.00067	1.00080	1.00040	1.00053	1.00028
18	1.00220	1.00164	1.00060	1.00095	1.00051	1.00086	1.00075	1.00090	1.00045	1.00060	1.00031
20	1.00244	1.00182	1.00067	1.00105	1.00057	1.00095	1.00083	1.00100	1.00050	1.00067	1.00034
24	1.00293	1.00218	1.00080	1.00126	1.00069	1.00114	1.00100	1.00120	1.00060	1.00080	1.00041
28	1.00341	1.00255	1.00093	1.00147	1.00080	1.00133	1.00117	1.00140	1.00070	1.00093	1.00048
32	1.00390	1.00291	1.00107	1.00168	1.00091	1.00152	1.00133	1.00160	1.00080	1.00107	1.00055
36	1.00439	1.00327	1.00120	1.00189	1.00103	1.00171	1.00150	1.00180	1.00090	1.00120	1.00062
40	1.00488	1.00364	1.00133	1.00211	1.00114	1.00190	1.00167	1.00200	1.00100	1.00133	1.00069
45	1.00549	1.00409	1.00150	1.00237	1.00129	1.00214	1.00187	1.00225	1.00112	1.00150	1.00078
50	1.00610	1.00455	1.00167	1.00263	1.00143	1.00238	1.00208	1.00250	1.00125	1.00167	1.00086
55	1.00671	1.00500	1.00183	1.00289	1.00157	1.00262	1.00229	1.00275	1.00137	1.00183	1.00095
60	1.00732	1.00545	1.00200	1.00316	1.00171	1.00286	1.00250	1.00300	1.00150	1.00200	1.00103
65	1.00793	1.00591	1.00217	1.00342	1.00186	1.00309	1.00271	1.00325	1.00162	1.00217	1.00112
70	1.00854	1.00636	1.00233	1.00368	1.00200	1.00333	1.00292	1.00350	1.00175	1.00233	1.00121
75	1.00915	1.00682	1.00250	1.00395	1.00214	1.00357	1.00312	1.00375	1.00187	1.00250	1.00129
80	1.00976	1.00727	1.00267	1.00421	1.00229	1.00381	1.00333	1.00400	1.00200	1.00267	1.00138
85	1.01037	1.00773	1.00283	1.00447	1.00243	1.00405	1.00354	1.00425	1.00212	1.00283	1.00146
90	1.01098	1.00818	1.00300	1.00474	1.00257	1.00428	1.00375	1.00450	1.00225	1.00300	1.00155
95	1.01159	1.00864	1.00317	1.00500	1.00271	1.00452	1.00396	1.00475	1.00237	1.00317	1.00164
100	1.01220	1.00909	1.00333	1.00526	1.00286	1.00476	1.00417	1.00500	1.00250	1.00333	1.00172
120	1.01463	1.01091	1.00400	1.00632	1.00343	1.00571	1.00500	1.00600	1.00300	1.00400	1.00207
140	1.01707	1.01273	1.00467	1.00737	1.00400	1.00667	1.00583	1.00700	1.00350	1.00467	1.00241
160	1.01951	1.01455	1.00533	1.00842	1.00457	1.00762	1.00667	1.00800	1.00400	1.00533	1.00276
180	1.02195	1.01636	1.00600	1.00947	1.00514	1.00857	1.00750	1.00900	1.00450	1.00600	1.00310
200	1.02439	1.01818	1.00667	1.01053	1.00571	1.00952	1.00833	1.01000	1.00500	1.00667	1.00345
240	1.02927	1.02182	1.00800	1.01263	1.00686	1.01143	1.01000	1.01200	1.00600	1.00800	1.00414
280	1.03415	1.02545	1.00933	1.01474	1.00800	1.01333	1.01167	1.01400	1.00700	1.00933	1.00483
320	1.03902	1.02909	1.01067	1.01684	1.00914	1.01524	1.01333	1.01600	1.00800	1.01067	1.00552
360	1.04390	1.03273	1.01200	1.01895	1.01029	1.01714	1.01500	1.01800	1.00900	1.01200	1.00621
400	1.04878	1.03636	1.01333	1.02105	1.01143	1.01905	1.01667	1.02000	1.01000	1.01333	1.00690
450	1.05488	1.04091	1.01500	1.02368	1.01286	1.02143	1.01875	1.02250	1.01125	1.01500	1.00776
500	1.06098	1.04545	1.01667	1.02632	1.01429	1.02381	1.02083	1.02500	1.01250	1.01667	1.00862
550	1.06707	1.05000	1.01833	1.02895	1.01571	1.02619	1.02292	1.02750	1.01375	1.01833	1.00948
600	1.07317	1.05455	1.02000	1.03158	1.01714	1.02857	1.02500	1.03000	1.01500	1.02000	1.01034
650	1.07927	1.05909	1.02167	1.03421	1.01857	1.03095	1.02708	1.03250	1.01625	1.02167	1.01121
700	1.08537	1.06364	1.02333	1.03684	1.02000	1.03333	1.02917	1.03500	1.01750	1.02333	1.01207
750	1.09146	1.06818	1.02500	1.03947	1.02143	1.03571	1.03125	1.03750	1.01875	1.02500	1.01293
800	1.09756	1.07273	1.02667	1.04211	1.02286	1.03809	1.03333	1.04000	1.02000	1.02667	1.01379
850	1.10366	1.07727	1.02833	1.04474	1.02429	1.04048	1.03542	1.04250	1.02125	1.02833	1.01466
900	1.10976	1.08182	1.03000	1.04737	1.02571	1.04286	1.03750	1.04500	1.02250	1.03000	1.01552
950	1.11585	1.08636	1.03167	1.05000	1.02714	1.04524	1.03958	1.04750	1.02375	1.03167	1.01638
1000	1.12195	1.09091	1.03333	1.05263	1.02857	1.04762	1.04167	1.05000	1.02500	1.03333	1.01724

* A Section PowerBand Belts are not a standard. For availability, check with your local Gates representative.

Tensioning Example Using Super HC® V-Belts

Given:

Existing Drive

Design Horsepower = 90

DriveR = 6 grooves 5V 11.8" O.D.

DriveR RPM = 870

DriveN = 6 grooves 5V 46.0" O.D.

V-Belts = 5VX1800

Center Distance = 41.0"

Belt Speed = 2665 ft./min.

Factor Kø = 0.86

This drive meets all the requirements for the Simplified Tensioning Method except it uses one more belt than the number recommended, so simplified tensioning would put more tension in the drive than needed. Use the regular V-belt tensioning method shown below.

Step 1 Find the Required Tension Per Strand of Belt, Using Formula No. 6 on Page 214.

$$T_{st} = 15\left(\frac{2.5 - 0.86}{0.86}\right)\left[\frac{(90)(1000)}{(6)(2665)}\right] + \frac{(1.0)\ (2665)^2}{10^6}$$

$$= (15)(1.91)(5.63) + 7.10$$

$$= 161.3 + 7.10 = 168.4 \text{ or } 168 \text{ Lbs.}$$

Step 2 Lower and Upper Forces for Deflection of One Belt.

A. Span length can be calculated from Formula No. 35 of Page 261.

$$t = 41.0\ [1 - 0.125\ (0.83)^2]$$

$$= 41.0\ (1 - 0.0861)$$

$$= 37.5"$$

The deflection should be $^{38}/_{64}$" or $^{19}/_{32}$"

B. Lower recommended force $= \frac{168 + 13}{16} = 11.3$ Lbs.

Upper recommended force $= \frac{(1.5)(168) + 13}{16} = 16.6$ Lbs.

Gates Super HC™ Sheaves

For 3VX, 5VX, 5V and 8V Super HC® V-Belt, Super HC Molded Notch V-Belt, Super HC PowerBand® Belt and Super HC Molded Notch PowerBand Belt Drives

and

Gates Hi-Power™ II Sheaves

For A, B, C and D Hi-Power® II V-Belt, Hi-Power II PowerBand Belt and Tri-Power® Molded Notch V-Belt Drives

Available in Two Types

Type QD Stock Sheaves

Easy On, Easy Off. A Type QD Sheave, with a full split in the bushing and with a precision, tapered fit between the sheave hub and the bushing, is easy to slide on any standard size shaft or on any shaft which may vary slightly from standard. The pull-up bolts then pull the rim onto the QD Bushing to complete the sheave installation assembly.

Remove these bolts, and they also serve as jackscrews to release the bushing's tight grip on the shaft for quick, easy removal of the rim and the bushing. No forcing or heavy tools are necessary.

Stay Tight, Run True. In the inherent Type QD Sheave design, the sheave hub and the split, tapered bushing are precisely "mated"—exactly engineered to fit as an integral unit. This produces a positive, press fit on the shaft, there is no sheave wobble and all QD Sheaves stay tight, run true.

Mount Two Different Ways. The normal mounting position for the Type QD Sheave is to install the bushing flange next to the motor or bearing. To mount, simply insert the pull-up bolts through the sheave hub and into the bushing flange.

All Gates Type QD Sheaves using J or smaller bushings may also be reversed mounted. This alternate mounting position often enables the sheave rim to be mounted closer to the bearing. The exception to this rule is Type E design sheaves which are reverse mount ONLY.

Taper-Lock* Stock Sheaves

Easily Mounted. Gates Taper-Lock Sheaves feature split, tapered bushings that allow quick, easy installation of the sheaves. They are just as easily mounted on shafts which are slightly oversize or slightly undersize as they are on all standard size shafts. Simply mount the Taper-Lock Sheave Rim, Bushing and key on the shaft and tighten the socket head screws.

Stay Tight, Run True. The tapered surface of a Taper-Lock Bushing and the tapered bore of the sheave hub, together with the split in the bushing, not only contribute to full compression and extreme holding power, but also eliminate the possibility of sheave wobble. Gates Taper-Lock Sheaves stay tight, run true.

No Protruding Parts. A Taper-Lock Bushing has no flange, no collar, no protruding parts and the sheave hub is flush with the bushing. This flush design uses only a minimum of space of the shaft. The complete sheave installation is compact and neat in appearance.

Easy to Remove. Simply remove the socket head screws and use one of them as a jackscrew (or, two jackscrews, if a 3535 or larger Taper-Lock bushing is used) to push a Taper-Lock Sheave Rim off the bushing. This disengages the Taper-Lock Bushing. Its grip on the shaft is unlocked, permitting quick, easy removal of the rim and bushing with no shock to bearings or machinery.

*Registered trademark of Reliance Electric.

Made-To-Order Sheaves

Made-to-Order. These sheaves are furnished, in a minimum of delivery time, on special order. They are not carried in stock.

Precision Of Manufacture. Gates made-to-order sheaves are true running and accurately grooved. They are built with the same degree of precision manufacture that is used in producing stock sheaves.

Bores and Keyseats. Nominal shaft-size, straight bores, with standard keyseats, are regularly furnished. Also, these sheaves are available with split QD bushings. Split sheaves and solid rim split hub sheaves can be furnished when diameters and bore permit.

Gates Super HC™ and Hi-Power™ II Sheaves

General Information

Availability and Delivery

Stock Sheaves

Stock Sheaves—Type QD Sheaves—are quickly available to you through your Gates V-Belt distributor. Normally he will carry this type of sheave line in his own stock, but delivery of any Stock Sheave is possible from a nationwide network of stocking distributors and Gates regional warehouses.

Before you select a Type QD Stock Sheave, check the supply of the Gates V-Belt distributor who serves your area. He is listed in the Yellow Pages of your phone book under "Belting."

Made-to-Order Sheaves

Delivery times for made-to-order sheaves vary, depending upon how special the construction is. Estimated delivery times can be furnished by your Gates V-Belt distributor.

How To Order Sheaves and Bushings

To Order Stock Type QD Sheaves and Bushings

Specify the quantity of sheaves required, the number of grooves, V-Belt cross section size and nomenclature* diameter, OD Sheaves and the bushing bore diameter. To order bushings separately, specify the quantity, bushing letter(s), OD bushings and bore size.

For example: Ten 4-3V-6.9" QD Sheaves, 1¼" Bore.
Three SK QD Bushings, 1½" Bore.

OR

For example: Ten 4-B-6.8" QD Sheaves, 1¼" Bore.
Three SF QD Bushings, 1½" Bore.

To Order Made-to-Order Sheaves

When ordering special, made-to-order sheaves, send a print (preferably) or specify:

Nomenclature* diameter, number and size of grooves (3V, 5V, 8V or A, B, C and D), type of hub (Bored to size, QD, etc.), hub length and location, bore and keyway dimensions, split or solid rim and hub, WR^2) (poundfeet^2) if extra flywheel effect required.

*Outside diameter for 3V, 5V, 8V or Datum Diameter for A, B, C and D.

Balance and Sheave Rim Speeds

Gates stock sheaves and bushings are given a static balance that is satisfactory for rim speeds up to 6,500 feet per minute for Super HC, HiPower® II and TriPower® Molded Notch Belts. When sheaves will be subjected to speeds above these limits, the actual calculated speeds should be detailed on the sheave order so that the sheave supplier can furnish the required balancing and the proper material.

If you are in doubt as to the requirements of a "problem" drive, call your local Gates Industrial V-Belt supplier for his expertise, backed up by factory-trained engineers.

NOTE: In the drive selection tables, HP ratings have been included for Super HC and Hi-Power II rim speeds up to 6,500 ft./min. However, sheaves with rim speeds above the limits (6,500 ft./min. for Super HC, Hi-Power II and Tri-Power Molded Notch) must be specially ordered.

Standard Shaft and Bushing Keyseat Dimensions

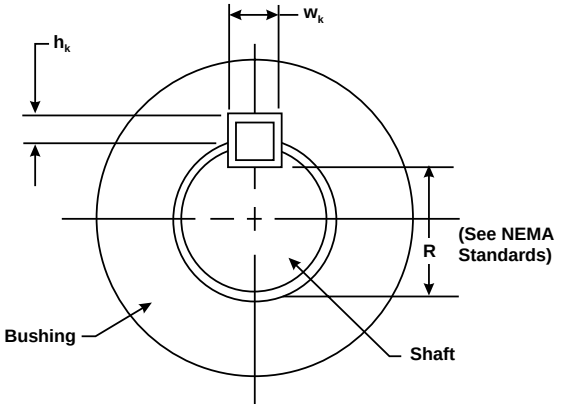


Table No. 58

Shaft Diameter (In.)	Width, w_k (In.)	Depth h_k +0.015-0.000 (In.)
Up through 7/16 (0.44)	3/32 (0.094)	3/64 (0.047)
Over 7/16 (0.44) to and incl. 9/16 (0.56)	1/8 (0.125)	1/16 (0.062)
Over 9/16 (0.56) to and incl. 7/8 (0.88)	3/16 (0.188)	3/32 (0.094)
Over 7/8 (0.88) to and incl. 1 1/4 (1.25)	1/4 (0.250)	1/8 (0.125)
Over 1 1/4 (1.25) to and incl. 1 3/8 (1.38)	5/16 (0.312)	5/32 (0.156)
Over 1 3/8 (1.38) to and incl. 1 3/4 (1.75)	3/8 (0.375)	3/16 (0.188)
Over 1 3/4 (1.75) to and incl. 2 1/4 (2.25)	1/2 (0.500)	1/4 (0.250)
Over 2 1/4 (2.25) to and incl. 2 3/4 (2.75)	5/8 (0.625)	5/16 (0.312)
Over 2 3/4 (2.75) to and incl. 3 1/4 (3.25)	3/4 (0.750)	3/8 (0.375)
Over 3 1/4 (3.25) to and incl. 3 3/4 (3.75)	7/8 (0.875)	7/16 (0.438)
Over 3 3/4 (3.75) to and incl. 4 1/2 (4.50)	1 (1.000)	1/2 (0.500),
Over 4 1/2 (4.50) to and incl. 5 1/2 (5.50)	1 1/4 (1.250)	5/8 (0.625)
Over 5 1/2 (5.50) to and incl. 6 1/2 (6.50)	1 1/2 (1.500)	3/4 (0.750)
Over 6 1/2 (6.50) to and incl. 7 1/2 (7.50)	1 3/4 (1.750)	3/4 (0.750)
Over 7 1/2 (7.50) to and incl. 9 (9.00)	2 (2.000)	3/4 (0.750)
Over 9 (9.00) to and incl. 11 (11.00)	2 1/2 (2.500)	7/8 (0.875)
Over 11 (11.00) to and incl. 13 (13.00)	3 (3.000)	1 (1.000)

*Tolerance on Width w_k, for widths up through 1/2" (0.500) ..... +0.200, -0.000
For widths over 1/2" (0.500) through 1" (1.00) ..... +0.003, -0.000
For widths over 1" (1.000) ..... +0.004, -0.000

Click Here for Single Page View

The “Datum” System

This manual reflects the industrial standard for classical V-belts (i.e., Hi-Power® II belts) and Hi-Power II (i.e., A, B, C, D cross-section) sheaves which include a change from the “Pitch” System to the recently adopted “Datum” System.

The term “Datum” was first adopted by the International Standards Organization (ISO 1081-1980) and most recently by the Rubber Manufacturers’ Association Engineering Standard for Classical V-belt and Sheaves (IP-20-1988, Gates Form #14495-B). Classical sheaves were specified by pitch diameters until 1988, when the Datum System was adopted by the USA. This change was necessary because the nominal pitch diameter of a sheave no longer corresponded with the actual pitch line of the modern V-belt as it passes through the sheave groove.

Over several decades, construction improvements enhanced the performance of V-belts in many ways. New, advanced cord materials allowed the move from multiple unit tensile belts to high performance single unit tensile constructions which dramatically improved the horsepower capacity of V-belts. For example, a B-Section belt in 7.0 inch sheaves was rated at 4.2 HP (1750 RPM) by 1945 RMA standards. Today, a Gates Hi-Power II belt is rated at over 11 HP under the same conditions. This increased capacity is due in part to the move of the center of the tensile cord line to a location higher in the V-belt.

In general, the center of the tensile cord is associated with the pitch line. In the new higher position, the load carrying tensile has a greater torque carrying moment arm and more undercord support through which to transmit normal force to the sheave walls. In addition, manufacturers have determined that the optimum position for the tensile cord is very close to the outside diameter of a standard depth sheave. So the diameter through which the pitch line passes is nearly equal to the outside diameter for most belts.

By definition, the diameter through which the pitch line passes should be the pitch diameter. This is precisely what the Datum System accomplishes. Figure 1 illustrates the construction change and its effect on the location of the pitch line.

Originally, machining standards for classical sheaves were established with the pitch diameter as a basis. The system is built around the notion of constant "pitch width" as the basis for machining standards. The pitch width sheave specification is tabulated for each V-belt cross-section. Because V-belt cross-sections distort more as they bend around smaller sheaves, sheave groove angle is varied with sheave diameter.

In classical sheaves, the groove angle is pivoted about the old pitch width at the old pitch diameter. Figure 2 illustrates the old pitch system and the new Datum System as related to sheave angle. Note that Datum diameter/width directly replaces pitch diameter width as the “base” dimensions about which the machining dimensions are derived.

Because of the shortcomings of the old system, Datum diameters have been adopted by the industry as the means of designating sheave size. Datum diameters are now used to place an order for Classical sheaves. An old pitch diameter (PD) designated sheave is directly replaced by the new Datum diameter (DD) designation (i.e., old 8.0 inch Pitch Sheave = 8.0 inch Datum Sheave.)

Use of Datum versus pitch diameters is guided in manufacturers’ drive design manuals. Although all formulas remain the same, different values must be used for some calculations shown below.

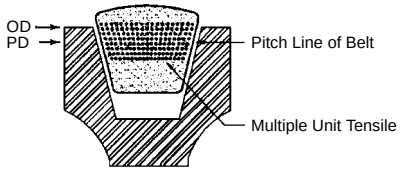
To Calculate:	**Previously Used:**	**Now Used:**
Speed Ratio	Pitch Diameter	Pitch Diameter
Belt Speed	Pitch Diameter	Pitch Diameter
Horsepower	Pitch Diameter	Pitch Diameter
Rim Speed	Outside Diameter	Outside Diameter
Center Distance	Pitch Diameter and Pitch Length	Datum Diameter and Datum Length
Belt Length	Pitch Diameter	Datum Diameter
Center Distance Factor “h”	Pitch Diameter	Datum Diameter
Arc of Contact Corr Factor Kø	Pitch or Outside Diameters	Datum, Pitch or Outside Diameters
Span Length	Pitch or Outside Diameters	Datum, Pitch or Outside Diameters

To simplify, modern pitch diameters are equivalent to outside diameters (OD) for standard depth sheaves for most belts. An exception is A-section belts or AX-section belts in A/B Combination Sheaves. Conversion values for PD to OD for these exceptions and DD to OD values are tabulated in manufacturers’ design manuals. The values for this relationship are found in Table No. 59 on page 220.

Essentially, the Datum System removes complexity and inaccuracy from the V-belt drive design process. The challenge for power transmission professionals is using a new name for an old term.

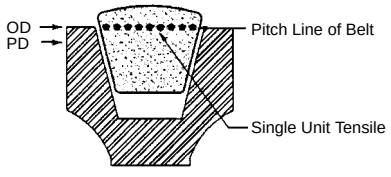
Figure 1

Approximate Neutral Axis of Multiple Unit (Layered) Cord Construction



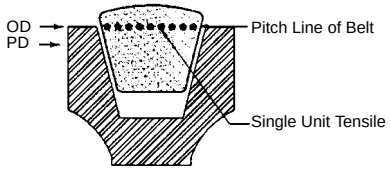
Pitch Diameter = Pitch Line

Preferred Location of Belt Pitch Line (Tensile Location) With Newer Single Unit Cord



Pitch Diameter = Pitch Line

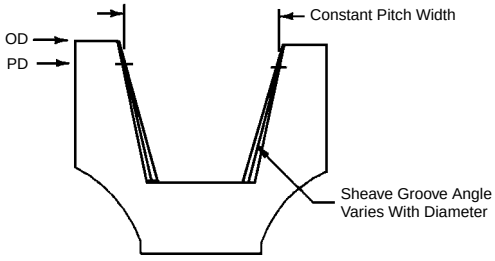
Datum Location of Current Belt Pitch Line For Datum System



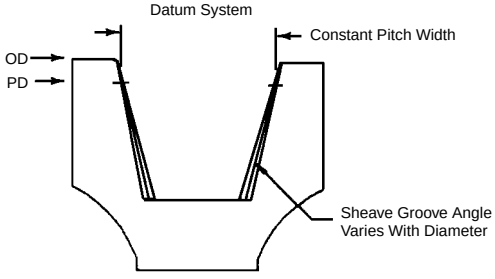
Pitch Diameter = Pitch Line

Figure 2

Pitch System



Datum System



Formulas: O.D. = D.D. $+2h_d$
P.D. = D.D. $+2h_d - 2a_p$

Example: For an A Section belt in a Combination Sheave having a datum diameter of 10.6":
Outside Diameter = 10.6" + 0.602 = 11.202"
Pitch Diameter = 11.202" – 0.37" = 10.832"

NOTE: The datum system is used for classical V-belts (Eg. A, B, C, D) and Sheaves only.

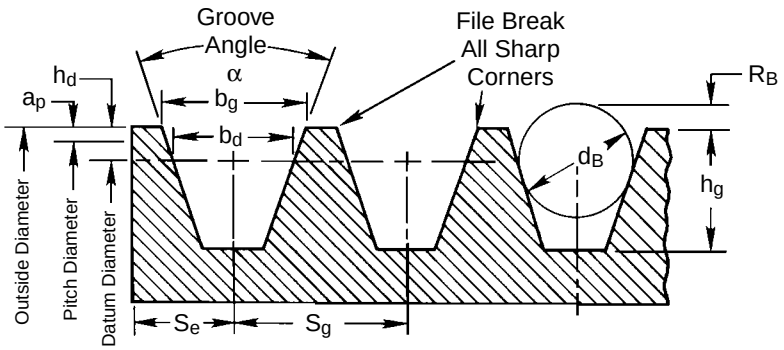


Table No. 59

Gates Hi-Power™ II Sheave Groove Dimensions

Standard Groove Dimensions (In.)													Design Factors	
Cross Section		Datum Diameter Range	α Groove Angle ±0.33°	b_d Ref.	b_g	h_g Min.	$2h_d$ Ref.	R_B Min.	d_B ±0.0005	S_g ±0.025	S_e		Minimun Recommended Datum Diameter	$2a_p$
A, AX		Up through 5.4 Over 5.4	34 38	0.418	0.494 0.504 ±0.005	0.460	0.250	0.148 0.149	0.4375 (7/16)	0.625	0.375 +0.090 -0.062		A 3.0 AX 2.2	0
B, BX		Up through 7.0 Over 7.0	34 38	0.530	0.637 0.650 ±0.006	0.550	0.350	0.189 0.190	0.5625 (9/16)	0.750	0.500 +0.120 -0.065		B 5.4 BX 4.0	0
A-B Combination	A, AX Belt	Up through 7.4(1) Over 7.4	34 38	(2) 0.508	0.612 0.625 ±0.006	0.612	0.634 (3) 0.602	0.230 0.226	0.5625 (9/16)	0.750	0.500 +0.120 -0.065		A 3.6(1) AX 2.8	0.37
	B, BX Belt	Up through 7.4(1) Over 7.4	34 38		0.612 0.625 ±0.006		0.268 (3) 0.276	0.230 0.226					B 5.7(1) BX 4.3	-0.08
C, CX		Up through 7.99 Over 7.99 to and including 12.0 Over 12.0	34 36 38	0.757	0.879 0.887 ±0.007 0.895	0.750	0.400	0.274 0.276 0.277	0.7812 (25/32)	1.000	0.688 +0.160 -0.070		C 9.0 CX 6.8	0
D		Up through 12.99 Over 12.99 to and including 17.0 Over 17.0	34 36 38	1.076	1.259 1.271 ±0.008 1.283	1.020	0.600	0.410 0.410 0.411	1.1250 (1 1/8)	1.438	0.875 +0.220 -0.080		13.0	0

1) The b_d value shown for combination grooves is the "constant width" point but does not represent a datum width for either A or B belts ($2h_d$ = 0.340 reference).
2) $2h_d$ values for combination groove are calculated based on b_d for A and B grooves.

Deep Groove Dimensions (In.)												Design Factors	
Cross Section	Datum[4] Diameter Range	α Groove Angle ±0.33°	b_d Ref.	b_g	h_g Min.	$2h_d$ Ref.	R_B Min.	d_B ±0.0005	S_g ±0.025	S_e		Minimun Recommended Datum Diameter	$2a_p$
B, BX	Up through 7.0 Over 7.0	34 38	0.530	0.747 0.774 ±0.006	0.730	0.710	0.007 0.008	0.5625 (9/16)	0.875	0.562 +0.120 -0.065		B 5.4 BX 4.0	0.36
C, CX	Up through 7.99 Over 7.99 to and including 12.0 Over 12.0	34 36 38	0.757	1.066 1.085 ±0.007 1.105	1.055	1.010	-0.035 -0.032 -0.031	0.7812 (25/32)	1.250	0.812 +0.160 -0.070		C 9.0 CX 6.8	0.61
D	Up through 12.99 Over 12.99 to and including 17.0 Over 17.0	34 36 38	0.076	1.513 1.541 ±0.008 1.569	1.435	1.430	-0.010 -0.009 0.008	1.1250 (1 1/8)	1.750	1.062 +0.220 -0.080		13.0	0.83

4) The A/AX, B/BX combination groove should be used when deep grooves are required for A or AX belts.

Machined Surface Area	Maximum Surface Roughness Height, R_a (Arithmetic Avg.) (Microin.)
Sheave Groove Sidewalls	125
Sheave O.D.'s and Rim Edges	250
Rim I.D.'s Hub Ends, Hub O.D.'s	250
Straight Bores	125
Taper Bores	175
Cast Surface Area	As Cast

Face Width of Standard and Deep Groove Sheaves

Face Width = Sg (Ng - 1) + $2S_e$
Where: Ng = Number of Grooves

Summation of the deviations from "Sg" for all grooves in any one sheave shall not exceed ± 0.050".

The variation in datum diameter between the grooves in any one sheave must be within the following limits:

Up through 19.9" outside diameter and up through 6 grooves: 0.010" (add 0.0005" for each additional groove).

20.0" and over on outside diameter and up through 10 grooves: 0.015" (add 0.0005" for each additional groove).

This variation can be obtained easily by measuring the distance across two measuring balls or rods placed diametrically opposite each other in a groove. Comparing this "diameter over balls or rods" measurement between grooves will give the variation in datum diameter.

Deep groove sheaves are intended for drives with belt offset such as quarter-turn or vertical shaft drives. (See RMA Power Transmission Belt Technical Information Bulletin IP-3-10, V-Belts Drives with Twist.)

Joined belts will not operate in deep groove sheaves. Also, A and AX joined belts will not operate in A/AX and B/BX combination grooves.

OTHER SHEAVE TOLERANCES

OUTSIDE DIAMETER

Up through 8.0"
Outside Diameter . . . . . ± 0.020"
For each additional inch of
Outside Diameter add . . . . . ± 0.005"

RADIAL RUNOUT (Total indicator Reading)

Up through 10.0"
Outside Diameter . . . . . 0.010"
For each additional inch of
Outside Diameter add . . . . . 0.0005"

AXIAL RUNOUT (Total indicator Reading)

Up through 5.0"
Outside Diameter . . . . . 0.005"
For each additional inch of
Outside Diameter add. . . . . 0.001"

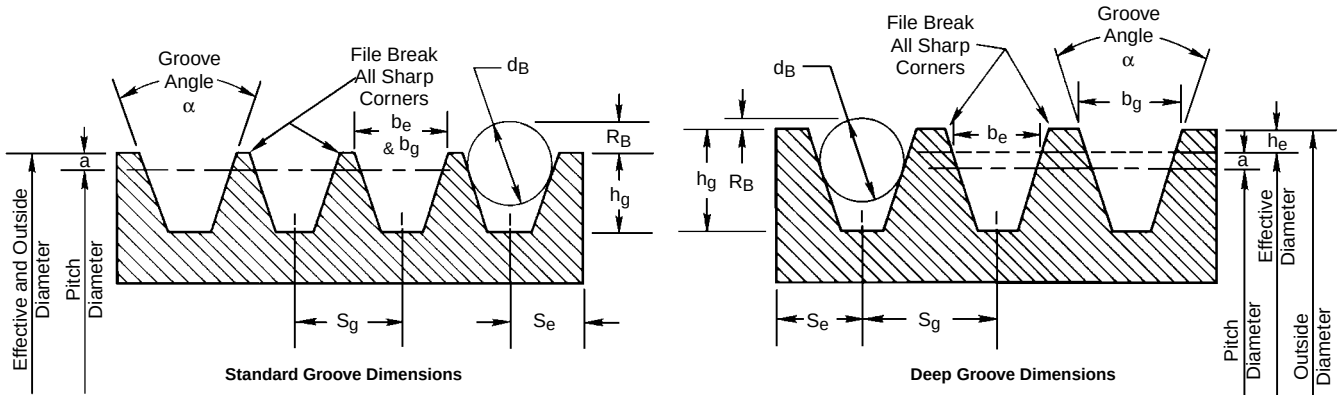


Table No. 60

Gates Super HC™ Sheave Groove Dimensions

Cross Section	OutsideDiameter (In.)	Groove Angle ±0.25°	Standard Groove Dimensions (In.)							Design Factors	
			b_g ±0.005	b_e Ref	h_g Min.	R_B Min.	d_B ±0.0005	S_g ±0.015	S_e	Minimun Recommended Outside Diameter	2a
3V, 3VX	Up through 3.49	36	0.350	0.350	0.340	0.181	0.3438	0.406	0.344 +0.094 -0.031	3V 2.65 3VX 2.20	0.050
	Over 3.49 to and including 6.00	38				0.183					
	Over 6.00 to and including 12.00	40				0.186					
	Over 12.00	42				0.188					
5V, 5VX	Up through 9.99	38	0.600	0.600	0.590	0.329	0.5938	0.688	0.500 +0.125 -0.047	5V 7.10 5VX 4.40	0.100
	Over 9.99 to and including 16.00	40				0.332					
	Over 16.00	42				0.336					
8V	Up through 15.99	38	1.000	1.000	0.990	0.575	1.0000	1.125	0.750 +0.250 -0.062	12.50	0.200
	Over 15.99 to and including 22.40	40				0.580					
	Over 22.40	42				0.585					

Machined Surface Area	Maximum Surface Roughness Height, R_a (Arithmetic Avg.) (Microin.)
V-Pulley Groove Sidewalls	125
Rim Edges, Rim I.D.'s Hub Ends, Hub O.D.'s	250
Straight Bores	125
Taper Bores	175

Cross Section	OutsideDiameter (In.)	Groove Angle ±0.25°	Deep Groove Dimensions (In.)							Design Factors		
			b_g ±0.005	b_e Ref	h_g Min.	R_B Min.	d_B ±0.0005	S_g ±0.015	S_e	Minimun Recommended Outside Diameter	2a	2he
3V, 3VX	Up through 3.71	36	0.421	0.350	0.449	0.070	0.3438	0.500	0.375 +0.094 -0.031	3V 2.87 3VX 2.42	0.050	0.218
	Over 3.71 to and including 6.22	38	0.425			0.073						
	Over 6.22 to and including 12.22	40	0.429			0.076						
	Over 12.22	42	0.434			0.078						
5V, 5VX	Up through 10.31	38	0.710	0.600	0.750	0.168	0.5938	0.812	0.562 +0.125 -0.047	5V 7.42 5VX 4.72	0.100	0.320
	Over 10.31 to and including 16.32	40	0.716			0.172						
	Over 16.32	42	0.723			0.175						
8V	Up through 16.51	38	1.180	1.000	1.252	0.312	1.0000	1.312	0.844 +0.250 -0.062	13.02	0.200	0.524
	Over 16.51 to and including 22.92	40	1.191			0.316						
	Over 22.92	42	1.201			0.321						

Face Width of Standard and Deep Groove Sheaves

Face Width = Sg (Ng - 1) + 2S_e

Where: Ng = Number of Grooves

Summation of the deviations from "Sg" for all grooves in any one sheave shall not exceed ± 0.031". The variation in pitch diameter between the grooves in any one sheave must be within the following limits:

Up through 19.9" outside diameter and up through 6 grooves: -0.010" (Add 0.0005" for each additional groove).

20.0" and over on outside diameter and up through 10 grooves: -0.015" (Add 0.0005" for each additional groove).

This variation can easily be obtained by measuring the distance across two measuring balls or rods placed in the grooves diametrically opposite each other. Comparing this "diameter over balls or rods" measurement between grooves will give the variation in pitch diameter.

Deep groove sheaves are intended for drives with belt offset such as quarter-turn or vertical shaft drives. (See RMA Power Transmission Belt Technical Information Bulletin IP-3-10, V-Belts Drives with a twist.) They may also be necessary where oscillations in the center distance may occur. **Joined belts will not operate in deep groove sheaves.**

OTHER SHEAVE TOLERANCES

OUTSIDE DIAMETER

Up through 8.0"
Outside Diameter . . . . . ± 0.020"
For each additional inch of
Outside Diameter add . . . . . ± 0.0025"

RADIAL RUNOUT (Total indicator Reading)

Up through 10.0"
Outside Diameter. . . . . 0.010"
For each additional inch of
Outside Diameter add . . . . . 0.0005"

AXIAL RUNOUT (Total indicator Reading)

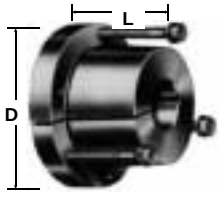
Up through 5.0"
Outside Diameter . . . . . 0.005"
For each additional inch of
Outside Diameter add . . . . . 0.001"

QD Bushings

Type QD Bushing Keyseat Dimensions

Bushing	Bores	Keyseat
JA	1/2-1 1 1/16-1 3/16	Standard 1/4 x 1/16
SH	1/2-1 3/8 1 7/16-1 5/8	Standard 3/8 x 1/16
SDS	1/2-1 5/8 1 11/16-1 3/4 1 13/16-1 15/16	Standard 3/8 x 1/8 1/2 x 1/16
SD	1/2-1 5/8 1 11/16-1 3/4 1 13/16-1 15/16	Standard 3/8 x 1/8 1/2 x 1/16
SK	1/2-2 1/8 2 3/16-2 1/4 2 1/4-2 1/2	Standard 1/2 x 3/16 5/8 x 1/16
SF	1/2-2 5/16 2 3/8-2 3/4 2 13/16	Standard 5/8 x 1/16 3/4 x 1/16
E	7/8-2 7/8 2 15/16-3 1/4 3 3/8-3 1/2	Standard 3/4 x 1/8 7/8 x 1/16
F	1-3 1/4 3 3/8-3 3/4 3 7/8-3 15/16	Standard 7/8 x 3/16 1 x 1/8
J	1 1/2-3 3/4 3 7/8-4 1/2	Standard 1 x 1/8
M	2-4 3/4 4 7/8-5 1/2	Standard 1 1/4 x 1/4
N	2 7/16-5 5 1/8-5 7/8 5 5/8-5 7/8	Standard 1 1/4 x 1/4 1 1/2 x 1/8
P	2 15/16-5 15/16 6-6 1/2 6 3/4 7	Standard 1 1/2 x 1/4 1 3/4 x 3/4 1 3/4 x 1/8
W	4-8 1/2	Made to order
S	5 1/2-10	Made to order

All dimensions are given in inches.



Sprocket Installation

Bushing Style	Bolts (In.)		Torque Wrench Force (Ft./Lbs.)
	Qty.	Size	
H	2	1/4 x 3/4	5
JA	3	10-24 x 1	5
SH & SDS	3	1/4-20 x 1 3/8	9
SD	3	1/4-20 x 1 7/8	9
SK	3	5/16-18 x 2	15
SF	3	3/8-16 x 2	30
E	3	1/2-13 x 2 3/4	60
F	3	9/16-12 x 3 5/8	75
J	3	5/8-11 x 4 1/2	135
M	4	3/4-10 x 6 3/4	225
N	4	7/8-9 x 8	300
P	4	1-8 x 9 1/2	450
W	4	1 1/8-7 x 11 1/2	600
S	5	1 1/4-7 x 15 1/2	750

CAUTION: Excessive bolt torque can cause sheave and/or bushing breakage.

NOTE: To insure proper bushing/sprocket performance, full bushing contact on the shaft is recommended.

Standard Keyseat Dimensions

Shaft Diameter (In.)	Keyseat (In.)		Key (In.)	
	Width	Depth	Width	Depth
5/16 – 7/16 1/2 – 9/16 5/8 – 7/8	3/32 1/8 3/16	3/64 1/16 3/32	3/32 1/8 3/16	3/32 1/8 3/16
15/16 – 1 1/4 1 5/16 – 1 3/8 1 7/16 – 1 3/4	1/4 5/16 3/8	1/8 5/32 3/16	1/4 5/16 3/8	1/4 5/16 3/8
1 13/16 – 2 1/4 2 5/16 – 2 3/4 2 13/16 – 3 1/4	1/2 5/8 3/4	1/4 5/16 3/8	1/2 5/8 3/4	1/2 5/8 3/4
3 5/16 – 3 3/4 3 13/16 – 4 1/2 4 9/16 – 5 1/2	7/8 1 1 1/4	7/16 1/2 5/8	7/8 1 1 1/4	7/8 1 1 1/4
5 9/16 – 6 1/2 6 9/16 – 7 1/2 7 9/16 – 9	1 1/2 1 3/4 2	3/4 3/4 3/4	1 1/2 1 3/4 2	1 1/2 1 1/2 1 1/2

Table No. 61

QD Bushings

Type QD Bushing	External Dimensions		Range of Stock Bores (In Standard 1/16" Increments)				
			Min. Bore (In.)	Maximum Bore (In.)		Weight Range (Lbs.)	
	D (In.)	L (In.)		With RMA-MPTA Standard Keyseat	With Shallow Keyseat*	Max. Bore	Min. Bore
JA	2	1	1/2	1	1 3/16	0.2	0.5
SH	2 5/8	1 5/16	1/2	1 3/8	1 5/8	0.6	1.2
SDS	3 1/8	1 5/16	1/2	1 11/16	1 15/16	0.8	1.7
SD	3 1/8	1 13/16	1/2	1 11/16	1 15/16	0.9	2.2
SK	3 7/8	1 15/16	1/2	2 1/8	2 1/2	1.5	3.9
SF	4 5/8	2 1/16	1/2	2 5/16	2 13/16	2.2	5.4
E	6	2 3/4	7/8	2 7/8	3 1/2	5.6	11.7
F	6 5/8	3 3/4	1	3 1/4	3 15/16	8.5	19.4
J	7 1/4	4 5/8	1 1/2	3 7/8	4 1/2	12.8	28.6
M	9	6 3/4	2	4 3/4	5 1/2	29.5	63.4
N	10	8 1/8	2 7/16	5	5 7/8	46.0	95.0
P	11 3/4	9 3/8	2 15/16	5 15/16	7	88.0	178.0
W†	15	11 3/8	4	7 1/2	8 1/2	155.0	262.0
S†	17 3/4	15 1/4	5 1/2	9	10	285.0	410.0

*A special rectangular key is furnished with each bushing having a **shallow** keyseat. This key will mate with the shallow keyseat and a **standard** keyseat on the shaft. Keys are not furnished with bushings having standard keyseats.
†All "S" and "W" bushings are nonstock made to order as specified.
NOTE: Bushings with metric bores and keyways are available. Contact your local Gates representative for sizes.

Table No. 62

Recommended Wrench Torque Values To Use in Tightening QD Bushings

Bushing Size	Cap Screw Size & Thread	Ft./Lbs. Wrench Torque Normal Applications	Ft./Lbs. Max. Wrench Torque Severe Applications
JA	No. 10-24	3	5
SH-SDS-SD	1/4-20	6	9
SK	5/16-20	10	15
SF	3/8-16	20	30
E	1/2-13	40	60
F	9/16-12	50	75
J	5/8-11	90	135
M	3/4-10	150	225
N	7/8-9	200	300
P	1-8	300	450
W	1 1/8-7	400	600
S	1 1/4-7	500	750

CAUTION: Excessive cap-screw torque can cause sheave and/or bushing breakage.

CAUTION: The use of lubricants can cause sheave breakage. Therefore, **USE NO LUBRICANTS** in this installation.

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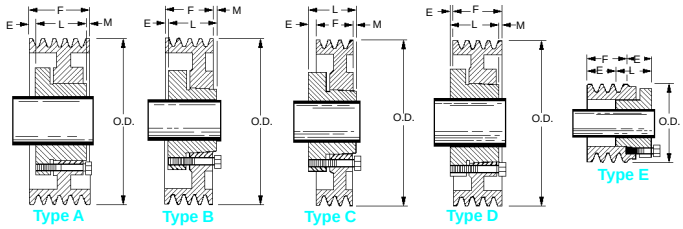


Groove Spacing = 13/32″, center to center

The suffix numeral indicates the rim construction, as follows:

1 = Solid Center
2 = Web Center
3 = Arm Center

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 63 3V Super HC™ Type QD Stock Sheaves

Sheave Outside Diameter	1 GROOVE F = 11/16″ Bushing	Max. Bore	Type	L	E	M	Avg. Weight†	2 GROOVE F = 1 3/32″ Bushing	Max. Bore	Type	L	E	M	Avg. Weight†	Sheave Outside Diameter
††2.20	JA	1 3/16	E-1	1	15/16	5/8	.6	JA	1 3/16	E-1	1	1/2	1 1/32	.9	2.20††
††2.35	JA	1 3/16	E-1	1	15/16	5/8	.8	JA	1 3/16	E-1	1	1/2	1 1/32	1.0	2.35††
††2.50	JA	1 3/16	E-1	1	15/16	5/8	.9	JA	1 3/16	E-1	1	1/2	1 1/32	1.2	2.50††
2.65	JA	1 3/16	D-1	1	3/8	9/64	.5	JA	1 3/16	D-1	1	3/8	9/64	.8	2.65
2.80	JA	1 3/16	D-1	1	3/8	9/64	.6	JA	1 3/16	D-1	1	3/8	9/64	.9	2.80
3.00	JA	1 3/16	D-1	1	3/8	9/64	.8	JA	1 3/16	D-1	1	3/8	9/64	1.2	3.00
3.15	JA	1 3/16	D-1	1	3/8	9/64	.9	JA	1 3/16	D-1	1	3/8	9/64	1.0	3.15
3.35	JA	1 3/16	D-1	1	3/8	9/64	1.3	JA	1 3/16	D-1	1 5/16	1/2	7/64	1.1	3.35
3.65	SH	1 5/8	D-1	1 5/16	1/2	7/64	1.1	SH	1 5/8	D-1	1 5/16	1/2	7/64	1.5	3.65
4.12	SH	1 5/8	D-1	1 5/16	9/16	3/64	1.7	SH	1 5/8	D-1	1 5/16	3/8	0	2.2	4.12
4.50	SH	1 5/8	D-1	1 5/16	9/16	3/64	2.1	SH	1 5/8	D-1	1 5/16	3/8	0	2.7	4.50
4.75	SH	1 5/8	D-1	1 5/16	9/16	3/64	2.5	SH	1 5/8	D-1	1 5/16	3/8	0	3.1	4.75
5.0	SH	1 5/8	D-1	1 5/16	9/16	3/64	2.8	SH	1 5/8	D-1	1 5/16	3/8	0	3.4	5.0
5.3	SH	1 5/8	D-1	1 5/16	9/16	3/64	3.2	SH	1 5/8	D-1	1 5/16	3/8	0	4.0	5.3
5.6	SH	1 5/8	D-1	1 5/16	9/16	3/64	3.2	SH	1 5/8	D-1	1 5/16	3/8	0	3.6	5.6
6.0	SH	1 5/8	D-1	1 5/16	5/8	0	3.5	SH	1 5/8	D-1	1 5/16	1/2	5/32	4.4	6.0
6.5	SH	1 5/8	D-1	1 5/16	5/8	0	3.9	SH	1 5/8	D-1	1 5/16	3/8	0	5.0	6.5
6.9	SH	1 5/8	D-1	1 5/16	5/8	0	3.6	SH	1 5/8	D-1	1 5/16	3/8	0	4.9	6.9
8.0	SDS	1 15/16	C-1	1 5/16	11/16	1/16	5.2	SDS	1 15/16	D-1	1 5/16	3/8	0	6.6	8.0
10.6	SDS	1 15/16	C-3	1 5/16	11/16	1/16	8.0	SDS	1 15/16	C-3	1 5/16	5/8	13/32	23.0	10.6
14.0	SK	2 1/2	C-3	1 15/16	11/16	7/16**	13.5	SK	2 1/2	C-3	1 15/16	7/8	9/32	19.4	14.0
19.0	SK	2 1/2	C-3	1 15/16	11/16	5/32	21.0	SK	2 1/2	C-3	1 15/16	7/8	5/32	13.0	19.0
25.0	—	—	—	—	—	—		SF	2 15/16	C-3	2 1/16	15/16	5/32	33.0	25.0

Sheave Outside Diameter	3 GROOVE F = 1 1/2″ Bushing	Max. Bore	Type	L	E	M	Avg. Weight†	4 GROOVE F = 1 29/32″ Bushing	Max. Bore	Type	L	E	M	Avg. Weight†	5 GROOVE F = 2 5/16″ Bushing	Max. Bore	Type	L	E	M	Avg. Weight†
††2.50	JA	1 3/16	E-1	1	1 3/8	15/16	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2.65	JA	1 3/16	E-1	1	15/16	1/2	1.0	JA	1 3/16	E-1	1	1 11/32	1/2	1.3	—	—	—	—	—	—	—
2.80	JA	1 3/16	E-1	1	15/16	1/2	1.3	JA	1 3/16	E-1	1	1 11/32	1/2	1.6	—	—	—	—	—	—	—
3.00	SH	1 5/8	E-1	1 5/16	5/8	1 1/4	1.6	SH	1 5/8	E-1	1 5/16	1 21/32	5/8	1.9	—	—	—	—	—	—	—
3.15	SH	1 5/8	E-1	1 5/16	5/8	1 1/4	1.9	SH	1 5/8	D-1	1 5/16	1 21/32	5/8	2.2	—	—	—	—	—	—	—
3.35	SH	1 5/8	D-1	1 5/16	1/2	7/64	1.7	SH	1 5/8	D-1	1 5/16	7/64	7/16	2.1	—	—	—	—	—	—	—
3.65	SH	1 5/8	D-1	1 5/16	1/2	7/64	2.2	SH	1 5/8	D-1	1 5/16	7/64	7/16	2.8	—	—	—	—	—	—	—
4.12	SH	1 5/8	A-1	1 5/16	1/16	0	2.6	SH	1 5/8	A-1	1 5/16	1/2	0	3.0	—	—	—	—	—	—	—
4.50	SDS	1 15/16	A-1	1 5/16	1/16	0	3.0	SDS	1 15/16	A-1	1 5/16	3/8	0	3.4	—	—	—	—	—	—	—
4.75	SDS	1 15/16	A-1	1 5/16	1/16	0	3.5	SDS	1 15/16	A-1	1 5/16	3/8	0	4.2	SDS	1 15/16	E-1	1 5/16	1/8	3/4	4.5
5.0	SDS	1 15/16	A-1	1 5/16	1/16	0	3.9	SDS	1 15/16	A-1	1 5/16	3/8	0	4.5	SDS	1 15/16	E-1	1 5/16	1/8	3/4	5.3
5.3	SDS	1 15/16	A-1	1 5/16	1/16	0	4.4	SDS	1 15/16	A-1	1 5/16	3/8	0	5.1	SK	2 1/2	A-1	1 15/16	1/16	11/16	5.8
5.6	SDS	1 15/16	A-1	1 5/16	1/16	0	4.9	SDS	1 15/16	A-1	1 5/16	3/8	0	5.6	SK	2 1/2	A-1	1 15/16	1/16	1/8	7.0
6.0	SDS	1 15/16	A-1	1 5/16	3/16	3/16	5.8	SK	2 1/2	D-1	1 15/16	3/8	5/32	7.6	SK	2 1/2	A-1	1 15/16	1/16	1/8	8.3
6.5	SDS	1 15/16	A-1	1 5/16	1/16	0	6.1	SK	2 1/2	D-1	1 15/16	7/32	0	9.4	SK	2 1/2	A-1	1 15/16	1/16	1/8	10.3
6.9	SDS	1 15/16	A-1	1 5/16	1/16	0	5.8	SK	2 1/2	D-1	1 15/16	7/32	0	10.9	SK	2 1/2	A-1	1 15/16	1/16	1/8	11.8
8.0	SK	2 1/2	D-1	1 15/16	5/8	0	10.3	SK	2 1/2	D-1	1 15/16	7/32	0	11.6	SK	2 1/2	A-1	1 15/16	1/16	1/8	13.2
10.6	SK	2 1/2	D-2	1 15/16	5/8	0	17.5	SK	2 1/2	D-2	1 15/16	7/32	0	17.0	SK	2 1/2	A-1	1 15/16	1/16	1/8	16.8
14.0	SK	2 1/2	D-2	1 15/16	5/8	0	21.4	SK	2 1/2	D-3	1 15/16	1/4	7/32	21.0	SF	2 15/16	A-1	2 1/16	5/16	7/16	25.0
19.0	SF	2 15/16	C-3	2 1/16	3/4	0	29.0	SF	2 15/16	D-3	2 1/16	7/16	0	32.0	SF	2 15/16	C-3	2 1/16	5/16	7/16	41.0
25.0	SF	2 15/16	C-3	2 1/16	3/4	0	45.5	SF	2 15/16	D-3	2 1/16	9/16	9/32	49.2	E	3 1/2	C-3	2 3/4	5/8	1/3	62.2
33.5	SF	2 15/16	C-3	2 1/16	3/4	3/32	75.5	E	3 1/2	C-3	2 3/4	1	1/16	79.6	E	3 1/2	C-3	2 3/4	11/16	3/16	97.5

	6 GROOVE F = 2 23/32″ Bushing	Max. Bore	Type	L	E	M	Avg. Weight†	8 GROOVE F = 3 17/32″ Bushing	Max. Bore	Type	L	E	M	Avg. Weight†	10 GROOVE F = 4 11/32″ Bushing	Max. Bore	Type	L	E	M	Avg. Weight†
4.75	SK	2 1/2	E-1	1 15/16	1 15/32	7/8	6.2	SK	2 1/2	E-1	1 15/16	7/8	2 9/32	6.5	SK	2 1/2	E-1	1 15/16	3 3/32	7/8	10.1
5.0	SK	2 1/2	E-1	1 15/16	1 15/32	7/8	7.7	SK	2 1/2	E-1	1 15/16	7/8	2 9/32	9.8	SK	2 1/2	E-1	1 15/16	3 3/32	7/8	8.6
5.3	SK	2 1/2	A-1	1 15/16	7/16	5/32	6.7	SK	2 1/2	A-1	1 15/16	7/16	31/32	8.3	SK	2 1/2	A-1	1 15/16	1	1 1/32	9.6
5.6	SK	2 1/2	A-1	1 15/16	7/16	5/32	7.9	SK	2 1/2	A-1	1 15/16	7/16	31/32	9.1	SK	2 1/2	A-1	1 15/16	9/16	1 21/32	10.6
6.0	SK	2 1/2	A-1	1 15/16	7/16	5/32	9.4	SK	2 1/2	A-1	1 15/16	7/16	31/32	10.7	SK	2 1/2	A-1	1 15/16	9/16	1 21/32	12.5
6.5	SK	2 1/2	A-1	1 15/16	7/16	5/32	11.1	SK	2 1/2	A-1	1 15/16	7/16	31/32	12.9	SK	2 1/2	A-1	1 15/16	9/16	1 21/32	14.4
6.9	SK	2 1/2	A-1	1 15/16	7/16	5/32	12.5	SK	2 1/2	A-1	1 15/16	21/32	3/4	14.3	SK	2 1/2	A-1	1 15/16	9/16	1 21/32	16.4
8.0	SK	2 1/2	A-1	1 15/16	0	19/32	13.8	SF	2 15/16	A-1	2 1/16	3/16	1 5/32	16.4	SF	2 15/16	A-1	2 1/16	11/16	1 15/32	19.0
10.6	SF	2 15/16	A-2	2 1/16	1/16	19/32	30.8	SF	2 15/16	A-2	2 1/16	3/16	1 5/32	26.5	E	3 1/2	A-1	2 3/4	1/16	1 15/32	31.5
14.0	SF	2 15/16	A-3	2 1/16	1/16	19/32	31.1	E	3 1/2	A-3	2 3/4	1/16	21/32	38.0	E	3 1/2	A-2	2 3/4	1/16	1 15/32	43.0
19.0	E	3 1/2	A-3	2 3/4	5/16	7/32	45.0	E	3 1/2	A-3	2 3/4	1/16	25/32	62.0	E	3 1/2	A-3	2 3/4	1/16	1 15/32	71.0
25.0	E	3 1/2	A-3	2 3/4	7/16	11/32	66.5	E	3 1/2	A-3	2 3/4	1/16	25/32	84.5	F	3 15/16	A-3	2 3/4	1/4	5/32	98.6
33.5	E	3 1/2	A-3	2 3/4	7/16	11/32	105.0	F	3 15/16	A-3	3 3/4	3/8	1/32	137.0	F	3 15/16	A-3	2 3/4	0	13/32	178.0

† Includes the weight of the bushing with an average size bore.
NOTE: Bushing data on Page 222.

††Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched)V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

*F = 3/4″ **F = 13/16″ ***3/4″for 10.6″

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Groove Spacing = 11/16″, center to center

The suffix numeral indicates the rim construction, as follows:

1 = Solid Center
2 = Web Center
3 = Arm Center

Table No. 64 5V Super HC™ Type QD Stock Sheaves

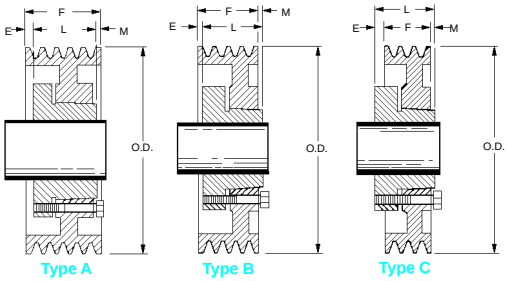
Sheave Outside Diameter	2 GROOVE F = 1 11/16″							3 GROOVE F = 2 3/8″							4 GROOVE F = 3 1/16"						
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight
++4.40	SH	1 5/8	D-1	1	7/16	11/16	3.1	SDS	1 15/16	E-1	1 5/16	11/16	1 3/8	4.4	SD	1 15/16	E-1	1 13/16	11/16	1 13/16	5.2
++4.65	SDS	1 15/16	D-1	1 5/16	11/16	7/8	3.2	SDS	1 15/16	E-1	1 5/16	11/16	1 3/8	4.9	SD	1 15/16	E-1	1 13/16	11/16	1 13/16	6.1
++4.90	SDS	1 15/16	D-1	1 5/16	11/16	15/16	3.8	SDS	1 15/16	A-1	1 5/16	3/8	9/16	5.0	SD	1 15/16	A-1	1 13/16	5/8	1/2	6.4
++5.20	SDS	1 15/16	D-1	1 5/16	0	1/4	4.4	SDS	1 15/16	A-1	1 5/16	3/8	9/16	5.5	SD	1 15/16	A-1	1 13/16	5/8	1/2	7.1
++5.50	SDS	1 15/16	D-1	1 5/16	0	1/4	4.6	SDS	1 15/16	A-1	1 5/16	3/8	9/16	6.4	SD	1 15/16	A-1	1 13/16	5/8	1/2	8.1
++5.90	SDS	1 15/16	D-1	1 5/16	0	1/4	5.5	SDS	1 15/16	A-1	1 5/16	3/8	9/16	7.0	SD	1 15/16	A-1	1 13/16	5/8	1/2	12.0
++6.30	SK	2 1/2	D-1	1 15/16	7/16	0	7.3	SK	2 1/2	A-1	1 15/16	1/4	0	9.0	SK	2 1/2	A-1	1 15/16	7/16	1/2	11.0
++6.70	SK	2 1/2	D-1	1 15/16	7/16	0	8.7	SK	2 1/2	A-1	1 15/16	1/4	0	10.1	SK	2 1/2	A-1	1 15/16	7/16	1/2	11.9
7.1	SK	2 1/2	C-1	1 15/16	7/16	0	10.0	SF	2 15/16	A-1	2 1/16	3/16	1/8	12.4	SF	2 15/16	A-1	2 1/16	3/8	1/2	14.9
7.5	SK	2 1/2	C-1	1 15/16	7/16	0	12.6	SF	2 15/16	A-1	2 1/16	3/16	1/8	13.6	SF	2 15/16	A-1	2 1/16	1/8	3/4	15.5
8.0	SK	2 1/2	C-1	1 15/16	7/16	0	10.0	SF	2 15/16	A-1	2 1/16	3/16	1/8	16.6	E	3 1/2	B-1	2 3/4	1/4	0	18.2
8.5	SK	2 1/2	C-2	1 15/16	7/16	0	11.4	SF	2 15/16	A-1	2 1/16	3/16	1/8	15.5	E	3 1/2	B-1	2 3/4	1/4	0	21.2
9.0	SK	2 1/2	C-2	1 15/16	7/16	0	11.7	SF	2 15/16	A-1	2 1/16	3/16	1/8	17.3	E	3 1/2	B-1	2 3/4	1/4	0	24.0
9.25	SK	2 1/2	C-1	1 15/16	7/16	0	19.5	SF	2 15/16	A-1	2 1/16	3/16	1/8	21.7	E	3 1/2	B-1	2 3/4	1/4	0	25.0
9.75	SK	2 1/2	C-1	1 15/16	7/16	0	13.2	SF	2 15/16	A-2	2 1/16	3/16	1/8	22.6	E	3 1/2	B-1	2 3/4	1/4	0	29.3
10.3	SK	2 1/2	C-2	1 15/16	7/16	0	22.6	SF	2 15/16	A-2	2 1/16	3/16	1/8	22.2	E	3 1/2	B-1	2 3/4	1/4	0	33.0
10.9	SK	2 1/2	C-2	1 15/16	7/16	0	15.9	SF	2 15/16	A-2	2 1/16	3/16	1/8	20.5	E	3 1/2	B-1	2 3/4	1/4	0	38.3
11.3	SK	2 1/2	C-2	1 15/16	7/16	0	16.1	SF	2 15/16	A-2	2 1/16	3/16	1/8	29.1	E	3 1/2	B-1	2 3/4	1/4	0	42.3
11.8	SK	2 1/2	C-2	1 15/16	7/16	0	28.0	SF	2 15/16	A-2	2 1/16	3/16	1/8	27.6	E	3 1/2	B-2	2 3/4	1/4	0	35.7
12.5	SK	2 1/2	C-2	1 15/16	7/16	0	28.8	E	3 1/2	C-2	2 3/4	7/16	0	32.0	E	3 1/2	B-2	2 3/4	1/4	0	39.6
13.2	SF	2 15/16	C-3	2 1/16	5/8	1/8	21.0	E	3 1/2	D-3	2 3/4	7/16	0	34.3	E	3 1/2	B-3	2 3/4	1/4	0	37.7
14.0	SF	2 15/16	C-3	2 1/16	5/8	1/8	30.9	E	3 1/2	D-3	2 3/4	5/8	3/16	36.5	E	3 1/2	B-3	2 3/4	1/8	1/8	42.5
15.0	SF	2 15/16	C-3	2 1/16	5/8	1/8	26.1	E	3 1/2	D-3	2 3/4	9/16	1/8	39.5	E	3 1/2	B-3	2 3/4	1/8	1/8	45.0
16.0	SF	2 15/16	C-3	2 1/16	5/8	1/8	29.2	E	3 1/2	D-3	2 3/4	9/16	1/8	39.7	E	3 1/2	B-3	2 3/4	1/8	1/8	44.0
18.7	SF	2 15/16	C-3	2 1/16	5/8	1/8	35.0	E	3 1/2	D-3	2 3/4	2 11/16	1/4	48.0	E	3 1/2	B-3	2 3/4	1/8	1/8	58.8
21.2	SF	2 15/16	C-3	2 1/16	13/32	7/32	45.0	E	3 1/2	D-3	2 3/4	2 1/32	7/32	57.0	E	3 1/2	D-3	2 3/4	5/16	9/16	64.0
23.6	E	3 1/2	D-3	2 3/4	15/16	3/16	60.8	E	3 1/2	D-3	2 3/4	7/16	0	74.3	F	3 15/16	C-3	3 3/4	9/16	5/16	95.1
28.0	E	3 1/2	D-3	2 3/4	15/16	3/16	73.0	E	3 1/2	D-3	2 3/4	2 1/32	7/32	93.5	F	3 15/16	C-3	3 3/4	9/16	5/16	118.0
31.5	—	—	—	—	—	—	—	F	3 5/16	D-3	3 3/4	2 1/16	0	123.0	F	3 15/16	C-3	3 3/4	15/16	0	146.7
37.5	—	—	—	—	—	—	—	F	3 5/16	C-3	3 3/4	3 1/32	19/32	135.0	F	3 15/16	C-3	3 3/4	11/16	3/16	185.0
50.0	—	—	—	—	—	—	—	F	3 5/16	C-3	3 3/4	1 7/16	7/32	205.0	J	4 1/2	C-3	4 5/8	1 1/8	9/16	255.0

Sheave Outside Diameter	5 GROOVE F = 3 3/4″							6 GROOVE F = 4 7/16″							Sheave Outside Diameter
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	
††4.40	SD	1 15/16	E-1	1 13/16	11/16	2 1/2	6.1	SD	1 15/16	E-1	1 13/16	11/16	3 3/16	7.0	††4.40
††4.65	SD	1 15/16	E-1	1 13/16	11/16	2 1/2	6.9	SD	1 15/16	E-1	1 13/16	11/16	3 3/16	7.8	††4.65
††4.90	SD	1 15/16	E-1	1 13/16	11/16	2 1/2	7.8	SD	1 15/16	E-1	1 13/16	11/16	3 3/16	9.0	††4.90
††5.20	SD	1 15/16	A-1	1 13/16	5/8	1 3/16	9.0	SD	1 15/16	A-1	1 13/16	5/8	1 7/8	9.8	††5.20
††5.50	SD	1 15/16	A-1	1 13/16	5/8	1 3/16	9.5	SD	1 15/16	A-1	1 13/16	5/8	1 7/8	10.8	††5.50
††5.90	SK	2 1/2	A-1	1 15/16	7/16	1 3/16	10.0	SK	2 1/2	A-1	1 15/16	7/16	1 7/8	12.3	††5.90
††6.30	SK	2 1/2	A-1	1 15/16	7/16	1 3/16	11.8	SK	2 1/2	A-1	1 15/16	7/16	1 7/8	13.0	††6.30
††6.70	SF	2 15/16	A-1	2 1/16	7/16	1 1/8	12.8	SF	2 15/16	A-1	2 1/16	3/4	1 1/2	15.1	††6.70
7.1	SF	2 15/16	A-1	2 1/16	7/16	1 1/8	15.7	SF	2 15/16	A-1	2 1/16	3/4	1 1/2	18.0	7.1
7.5	SF	2 15/16	A-1	2 1/16	7/16	1 1/8	18.1	SF	2 15/16	A-1	2 1/16	3/4	1 1/2	18.3	7.5
8.0	E	3 1/2	A-1	2 3/4	3/16	3/4	20.5	E	3 1/2	A-1	2 3/4	13/16	13/16	22.8	8.0
8.5	E	3 1/2	A-1	2 3/4	3/16	3/4	23.4	E	3 1/2	A-1	2 3/4	13/16	13/16	26.3	8.5
9.0	E	3 1/2	A-1	2 3/4	3/16	3/4	26.2	E	3 1/2	A-1	2 3/4	13/16	13/16	29.6	9.0
9.25	E	3 1/2	A-1	2 3/4	3/16	3/4	28.0	E	3 1/2	A-1	2 3/4	13/16	13/16	29.3	9.25
9.75	E	3 1/2	A-1	2 3/4	3/16	3/4	33.0	E	3 1/2	A-1	2 3/4	13/16	13/16	35.4	9.75
10.3	E	3 1/2	A-1	2 3/4	3/16	3/4	36.8	E	3 1/2	A-1	2 3/4	13/16	13/16	36.4	10.3
10.9	E	3 1/2	A-1	2 3/4	3/16	3/4	42.0	E	3 1/2	A-1	2 3/4	13/16	13/16	37.0	10.9
11.3	E	3 1/2	A-1	2 3/4	3/16	3/4	31.1	E	3 1/2	A-1	2 3/4	13/16	13/16	50.1	11.3
11.8	E	3 1/2	A-2	2 3/4	3/16	3/4	37.6	E	3 1/2	A-2	2 3/4	13/16	13/16	39.0	11.8
12.5	E	3 1/2	A-2	2 3/4	3/16	3/4	39.5	F	3 15/16	A-2	3 3/4	5/8	1/8	62.9	12.5
13.2	E	3 1/2	A-2	2 3/4	3/16	3/4	48.0	F	3 15/16	B-2	3 3/4	5/8	1/8	55.0	13.2
14.0	E	3 1/2	A-2	2 3/4	3/16	3/4	53.7	F	3 15/16	B-2	3 3/4	5/8	1/8	61.0	14.0
15.0	E	3 1/2	A-3	2 3/4	1/8	13/16	53.5	F	3 15/16	D-2	3 3/4	1/8	5/8	68.0	15.0
16.0	E	3 1/2	A-3	2 3/4	1/16	7/8	53.5	F	3 15/16	D-2	3 3/4	7/16	1/16	71.0	16.0
18.7	F	3 15/16	C-3	3 3/4	1/8	1/16	62.7	F	3 15/16	D-2	3 3/4	1/8	5/8	84.0	18.7
21.2	F	3 15/16	C-3	3 3/4	7/32	1/32	88.0	F	3 15/16	D-3	3 3/4	1/8	5/8	147.0	21.2
23.6	F	3 15/16	C-3	3 3/4	7/32	1/32	114.9	J	4 1/2	D-3	4 5/8	1 9/16	1 1/4	150.0	23.6
28.0	F	3 15/16	C-3	3 3/4	11/32	5/32	126.0	J	4 1/2	D-3	4 5/8	5/16	0	168.0	28.0
31.5	J	4 1/2	C-3	4 5/8	3/4	1/4	165.9	J	4 1/2	D-3	4 5/8	5/16	0	170.0	31.5
37.5	J	4 1/2	C-3	4 5/8	3/4	1/4	195.0	J	4 1/2	D-3	4 5/8	5/16	0	235.0	37.5
50.0	J	4 1/2	C-3	4 5/8	25/32	7/32	290.0	M	5 1/2	C-3	6 3/4	1 3/4	3/4	360.0	50.0

Sheave Outside Diameter	8 GROOVE F = 5 13/16″							10 GROOVE F = 7 3/16″							Sheave Outside Diameter
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	
7.1	SF	2 15/16	A-1	2 1/16	3/16	2 7/16	21.0	—	—	—	—	—	—	—	—
7.5	SF	2 15/16	A-1	2 1/16	3/16	2 7/16	24.4	—	—	—	—	—	—	—	—
8.0	E	3 1/2	A-1	2 3/4	15/16	1 11/16	26.0	E	3 1/2	A-1	2 3/4	2 1/16	2 5/16	30.6	8.0
8.5	E	3 1/2	A-1	2 3/4	15/16	1 11/16	30.8	E	3 1/2	A-1	2 3/4	2 1/16	2 5/16	36.5	8.5
9.0	E	3 1/2	A-1	2 3/4	15/16	1 11/16	35.0	F	3 15/16	A-1	3 3/4	1 7/8	1 3/8	44.3	9.0
9.25	F	3 15/16	A-1	3 3/4	7/8	1	40.5	F	3 15/16	A-1	3 3/4	1 7/8	1 3/8	47.5	9.25
9.75	F	3 15/16	A-1	3 3/4	7/8	1	46.4	F	3 15/16	A-1	3 3/4	1 7/8	1 3/8	52.0	9.75
10.3	F	3 15/16	A-1	3 3/4	7/8	1	52.0	F	3 15/16	A-1	3 3/4	1 7/8	1 3/8	58.3	10.3
10.9	F	3 15/16	A-1	3 3/4	7/8	1	59.0	F	3 15/16	A-1	3 3/4	1 7/8	1 3/8	66.0	10.9
11.3	F	3 15/16	A-1	3 3/4	7/8	1	63.8	F	3 15/16	A-1	3 3/4	1 7/8	1 3/8	71.1	11.3
11.8	F	3 15/16	A-1	3 3/4	7/8	1	53.5	F	3 15/16	A-1	3 3/4	1 7/8	1 3/8	66.0	11.8
12.5	F	3 15/16	A-1	3 3/4	1 1/8	3/4	58.5	J	4 1/2	A-1	4 5/8	2	7/16	92.4	12.5
13.2	F	3 15/16	A-2	3 3/4	1 1/8	3/4	83.2	J	4 1/2	A-1	4 5/8	2	7/16	81.0	13.2
14.0	F	3 15/16	A-2	3 3/4	1	7/8	70.0	J	4 1/2	A-1	4 5/8	1 7/8	9/16	91.2	14.0
15.0	F	3 15/16	A-2	3 3/4	1	7/8	80.4	J	4 1/2	A-1	4 5/8	2	7/16	97.8	15.0
16.0	F	3 15/16	D-2	3 3/4	1 1/8	3/4	89.5	J	4 1/2	A-1	4 5/8	2	7/16	146.0	16.0
18.7	J	4 1/2	A-3	4 5/8	0	1 11/16	110.0	J	4 1/2	A-2	4 5/8	0	2 7/16	164.0	18.7
21.2	J	4 1/2	A-3	4 5/8	0	1 11/16	131.5	J	4 1/2	A-2	4 5/8	0	2 7/16	188.0	21.2
23.6	J	4 1/2	A-3	4 5/8	0	1 11/16	162.1	M	5 1/2	A-3	6 3/4	1/4	0	217.0	23.6
28.0	J	4 1/2	A-3	4 5/8	0	1 11/16	177.0	M	5 1/2	A-3	6 3/4	3/16	1/16	242.0	28.0
31.5	M	5 1/2	B-3	6 3/4	3/16	1 5/16	225.0	M	5 1/2	A-3	6 3/4	3/16	1/16	286.0	31.5
37.5	M	5 1/2	B-3	6 3/4	3/16	1 5/16	305.0	M	5 1/2	A-3	6 3/4	3/16	1/16	340.0	37.5
50.0	M	5 1/2	B-3	6 3/4	3/16	1 5/16	423.0	M	5 1/2	A-3	6 3/4	5/16	9/16	540.0	50.0

† Includes the weight of the bushing with an average size bore.
NOTE: Bushing data on Page 222.

††Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.



Groove Spacing = 1⅛″, center to center

The suffix numeral indicates the rim construction, as follows:

1 = Solid Center
2 = Web Center
3 = Arm Center

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 65 8V Super HC™ Type QD Standard/Non-Stock Sheaves

Sheave Outside Diameter	4 GROOVE			F = 4⅞″				5 GROOVE			F = 6″				Sheave Outside Diameter
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	
12.5	F	3 15/16	D-1	3¾	¼	1 3/16	83	F	3 15/16	A-1	3¾	7/8	1 3/16	70	12.5
13.2	F	3 15/16	D-1	3¾	¼	1 3/16	88	F	3 15/16	A-1	3¾	7/8	1 3/16	100	13.2
14.0	F	3 15/16	D-1	3¾	¼	1 3/16	88	F	3 15/16	A-1	3¾	7/8	1 3/16	107	14.0
15.0	F	3 15/16	D-1	3¾	¼	1 3/16	111	F	3 15/16	A-2	3¾	7/8	1 3/16	106	15.0
16.0	F	3 15/16	D-2	3¾	¼	1 3/16	105	F	3 15/16	A-2	3¾	7/8	1 3/16	110	16.0
17.0	F	3 15/16	D-2	3¾	¼	1 3/16	150	J	4½	A-2	4 5/8	7/16	13/16	150	17.0
18.0	F	3 15/16	D-2	3¾	¼	1 3/16	150	J	4½	A-2	4 5/8	7/16	13/16	150	18.0
19.0	F	3 15/16	D-2	3¾	¼	1 3/16	146	J	4½	A-2	4 5/8	7/16	13/16	146	19.0
20.0	J	4½	D-2	4 5/8	1/8	¼	145	J	4½	A-2	4 5/8	7/16	13/16	145	20.0
21.2	J	4½	D-2	4 5/8	1/8	¼	181	J	4½	A-2	4 5/8	7/16	13/16	181	21.2
22.4	J	4½	D-2	4 5/8	1/8	¼	199	J	4½	A-2	4 5/8	7/16	13/16	199	22.4
24.8	M	5½	C-3	6¾	1 3/8	11/16	211	M	5½	D-3	6¾	1 3/8	7/16	232	24.8
30.0	M	5½	C-3	6¾	¾	1 1/8	292	M	5½	C-3	6¾	1/8	13/16	319	30.0
35.5	M	5½	C-3	6¾	¾	1 1/8	367	M	5½	C-3	6¾	¾	3/16	399	35.5
40.0	M	5½	C-3	6¾	¾	1 5/16	434	M	5½	C-3	6¾	¾	3/16	471	40.0
44.5	M	5½	C-3	6¾	1 7/16	5/8	369	N	5 7/8	C-3	8⅛	1 11/16	5/8	427	44.5
53.0	M	5½	C-3	6¾	2 1/16	0	818	N	5 7/8	C-3	8⅛	1 1/16	1¼	613	53.0
	6 GROOVE			F = 7⅛″				8 GROOVE			F = 9⅜″				
12.5	F	3 15/16	A-1	3¾	7/8	2 5/16	79	J	4½	A-1	4 5/8	2	2 5/8	110	12.5
13.2	F	3 15/16	A-1	3¾	7/8	2 5/16	114	J	4½	A-1	4 5/8	2	2 5/8	126	13.2
14.0	F	3 15/16	A-1	3¾	7/8	2 5/16	134	J	4½	A-1	4 5/8	2	2 5/8	140	14.0
15.0	J	4½	A-1	4 5/8	1	1 3/8	140	J	4½	A-1	4 5/8	2	2 5/8	159	15.0
16.0	J	4½	A-2	4 5/8	1	1 3/8	146	J	4½	A-1	4 5/8	2	2 5/8	162	16.0
17.0	J	4½	A-2	4 5/8	1	1 3/8	143	M	5½	A-1	6¾	1½	15/16	199	17.0
18.0	J	4½	A-2	4 5/8	1	1 3/8	137	M	5½	A-2	6¾	1 5/8	13/16	186	18.0
19.0	J	4½	A-2	4 5/8	1	1 3/8	164	M	5½	A-2	6¾	1½	15/16	221	19.0
20.0	M	5½	A-2	6¾	3/16	0	204	M	5½	A-2	6¾	1 5/8	13/16	210	20.0
21.2	M	5½	A-2	6¾	3/16	0	188	M	5½	A-2	6¾	1 5/8	13/16	249	21.2
22.4	M	5½	A-3	6¾	3/16	0	221	M	5½	A-2	6¾	1 5/8	13/16	258	22.4
24.8	M	5½	D-3	6¾	¼	7/16	235	N	5 7/8	A-3	8⅛	3/16	7/8	450	24.8
30.0	M	5½	B-3	6¾	5/16	1/8	345	N	5 7/8	B-3	8⅛	1 1/8	1/16	410	30.0
35.5	N	5 7/8	C-3	8⅛	7/16	¾	444	N	5 7/8	B-3	8⅛	1 5/16	¼	508	35.5
40.0	N	5 7/8	C-3	8⅛	7/16	¾	519	N	5 7/8	B-3	8⅛	1 5/16	¼	592	40.0
44.5	N	5 7/8	C-3	8⅛	13/16	3/8	510	P	7	B-3	9⅜	5/16	½	691	44.5
53.0	N	5 7/8	C-3	8⅛	15/16	¼	924	P	7	B-3	9⅜	5/16	½	1040	53.0
63.0	P	7	C-3	9⅜	5/16	2⅛	860	P	7	B-3	9⅜	5/16	½	960	63.0
71.0	P	7	C-3	9⅜	11/16	1¾	1558	W	8½	C-3	11⅜	1 13/16	⅜	1490	71.0
	10 GROOVE			F = 11⅝″				12 GROOVE			F = 13⅞″				
12.5	J	4½	A-1	4 5/8	2	4⅞	151	M	5½	A-1	6¾	1/8	6 13/16	153	12.5
13.2	J	4½	A-1	4 5/8	2	4⅞	151	M	5½	A-1	6¾	1/8	6 13/16	180	13.2
14.0	J	4½	A-1	4 5/8	2	4⅞	168	M	5½	A-1	6¾	1/8	6 13/16	186	14.0
15.0	M	5½	A-1	6¾	2 13/16	1⅞	181	M	5½	A-1	6¾	1/8	6 13/16	221	15.0
16.0	M	5½	A-1	6¾	3 3/16	1½	216	M	5½	A-1	6¾	1/8	6 13/16	247	16.0
17.0	M	5½	A-1	6¾	2 9/16	2⅛	237	M	5½	A-1	6¾	1/8	6 13/16	267	17.0
18.0	M	5½	A-2	6¾	2 7/16	2¼	217	M	5½	A-1	6¾	1¾	5 3/16	274	18.0
19.0	M	5½	A-2	6¾	2 5/16	2⅜	249	N	5 7/8	A-1	8⅛	3/16	5⅜	306	19.0
20.0	M	5½	A-2	6¾	2 9/16	2⅛	277	N	5 7/8	A-2	8⅛	3/16	5⅜	338	20.0
21.2	M	5½	A-2	6¾	2 3/16	2½	254	N	5 7/8	A-2	8⅛	3/16	5⅜	310	21.2
22.4	N	5 7/8	A-2	8⅛	3/16	3⅛	326	N	5 7/8	A-2	8⅛	3/16	5⅜	361	22.4
24.8	N	5 7/8	A-2	8⅛	3/16	3⅛	336	N	5 7/8	A-2	8⅛	3/16	5⅜	313	24.8
30.0	N	5 7/8	A-3	8⅛	3/16	3⅛	463	P	7	A-3	9⅜	5/16	4	567	30.0
35.5	P	7	A-3	9⅜	5/16	1¾	605	P	7	A-3	9⅜	5/16	4	693	35.5
40.0	P	7	A-3	9⅜	5/16	1¾	697	P	7	A-3	9⅜	5/16	4	796	40.0
44.5	P	7	A-3	9⅜	5/16	1¾	754	P	7	A-3	9⅜	5/16	4	839	44.5
53.0	P	7	A-3	9⅜	5/16	1¾	1138	W	8½	A-3	11⅜	5/16	2	1343	53.0
63.0	W	8½	A-3	11⅜	1/16	0	1143	W	8½	A-3	11⅜	5/16	2	1777	63.0
71.0	W	8½	B-3	11⅜	7/16	⅜	1881	W	8½	A-3	11⅜	7/16	1 7/8	2002	71.0

† Includes the weight of the bushing with an average size bore.
NOTE: Bushing data on Page 219.

††Diameters below recommended RMA minimum for narrow (3V, 5V, etc. non-notched) V-belts. Use of non-notched V-belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

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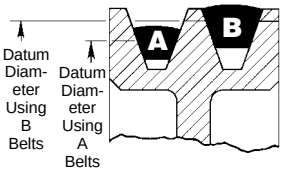


Sketch illustrates how the Multi-Duty® Groove can be used with either an A or B Section V-Belt.

Groove Spacing = 3/4″, center to center
A Belt D.D. + 0.4″ = B Belt D.D.
B Belt D.D. + 0.35″ = Sheave O.D.

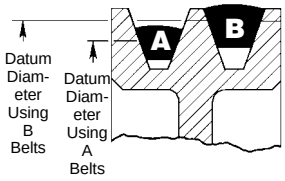
CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 66 Multi-Duty®(Combination A or B) Sheave QD Stock Sheaves

Datum Diameter		1 GROOVE	F = 7/8Through 1-A-6.4″ F = 1″, 1-A-7.0″ and larger						2 GROOVE	F = 1 3/4″						Datum Diameter	
A Belt	B Belt	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	A Belt	B Belt
3.0	3.4*	SH	1 5/8	E-1	1 5/16	5/8	0	1.2	SH	1 5/8	E-1	1 5/16	5/8	0	2.5	3.0	3.4*
3.2	3.6*	SH	1 5/8	D-1	1 5/16	9/16	3/64	1.3	SH	1 5/8	E-1	1 5/16	5/8	0	2.7	3.2	3.6*
3.4	3.8*	SH	1 5/8	D-1	1 5/16	9/16	3/64	1.6	SH	1 5/8	E-1	1 5/16	5/16	0	3.2	3.4	3.8*
3.6	4.0*	SH	1 5/8	D-1	1 5/16	9/16	3/64	1.8	SH	1 5/8	A-1	1 5/16	5/16	0	3.2	3.6	4.0*
3.8	4.2*	SH	1 5/8	D-1	1 5/16	9/16	3/64	2.0	SH	1 5/8	A-1	1 5/16	5/16	0	3.7	3.8	4.2*
4.0	4.4*	SH	1 5/8	D-1	1 5/16	9/16	3/64	2.2	SH	1 5/8	A-1	1 5/16	5/16	0	4.0	4.0	4.4*
4.2	4.6*	SDS	1 15/16	D-1	1 5/16	17/32	7/64	2.4	SDS	1 15/16	A-1	1 5/16	5/16	0	4.0	4.2	4.6*
4.4	4.8	SDS	1 15/16	D-1	1 5/16	17/32	7/64	2.6	SDS	1 15/16	A-1	1 5/16	5/16	0	4.4	4.4	4.8
4.6	5.0*	SDS	1 15/16	D-1	1 5/16	17/32	7/64	2.8	SDS	1 15/16	A-1	1 5/16	5/16	0	4.7	4.6	5.0*
4.8	5.2*	SDS	1 15/16	D-1	1 5/16	17/32	7/64	3.1	SDS	1 15/16	A-1	1 5/16	5/16	0	4.7	4.8	5.2*
5.0	5.4	SDS	1 15/16	D-1	1 5/16	17/32	7/64	3.4	SDS	1 15/16	A-1	1 5/16	5/16	0	6.2	5.0	5.4
5.2	5.6	SDS	1 15/16	D-1	1 5/16	11/16	3/32	4.7	SDS	1 15/16	A-1	1 5/16	1/8	3/16	6.6	5.2	5.6
5.4	5.8	SDS	1 15/16	C-1	1 5/16	7/16	0	4.9	SDS	1 15/16	A-1	1 5/16	1/8	3/16	6.6	5.4	5.8
5.6	6.0	SDS	1 15/16	C-1	1 5/16	7/16	0	5.3	SDS	1 15/16	A-1	1 5/16	0	5/16	7.4	5.6	6.0
5.8	6.2	SDS	1 15/16	C-1	1 5/16	7/16	0	5.8	SDS	1 15/16	A-1	1 5/16	0	5/16	6.3	5.8	6.2
6.0	6.4	SDS	1 15/16	C-1	1 5/16	7/16	0	6.8	SDS	1 15/16	A-1	1 5/16	0	5/16	8.4	6.0	6.4
6.2	6.6	SDS	1 15/16	C-1	1 5/16	7/16	0	6.8	SDS	1 15/16	A-1	1 5/16	0	5/16	10.3	6.2	6.6
6.4	6.8	SDS	1 15/16	C-1	1 5/16	7/16	0	4.4	SDS	1 15/16	A-1	1 5/16	0	5/16	6.2	6.4	6.8
6.6	7.0	SDS	1 15/16	D-1	1 5/16	9/16	1/8	7.2	SK	2 1/2	D-1	1 15/16	7/16	1/16	11.8	6.6	7.0
7.0	7.4	SDS	1 15/16	D-1	1 5/16	9/16	1/8	8.0	SK	2 1/2	A-1	1 15/16	7/16	1/16	13.0	7.0	7.4
7.6	8.0	SDS	1 15/16	D-1	1 5/16	9/16	1/8	9.8	SK	2 1/2	D-2	1 15/16	7/16	1/16	12.2	7.6	8.0
8.2	8.6	SDS	1 15/16	D-2	1 5/16	9/16	1/8	10.0	SK	2 1/2	D-2	1 15/16	7/16	1/16	15.7	8.2	8.6
9.0	9.4	SDS	1 15/16	D-2	1 5/16	9/16	1/8	11.7	SK	2 1/2	D-2	1 15/16	7/16	1/16	17.0	9.0	9.4
10.6	11.0	SDS	1 15/16	D-2	1 5/16	9/16	1/8	12.8	SK	2 1/2	D-2	1 15/16	7/16	1/16	20.3	10.6	11.0
12.0	12.4	SDS	1 15/16	D-3	1 5/16	9/16	1/8	14.3	SK	2 1/2	D-3	1 15/16	7/16	1/16	18.6	12.0	12.4
13.2	13.6	SDS	1 15/16	D-3	1 5/16	9/16	1/8	16.8	SK	2 1/2	D-3	1 15/16	7/16	1/16	22.7	13.2	13.6
15.0	15.4	SK	2 1/2	C-3	1 15/16	13/16	5/16	18.5	SK	2 1/2	D-3	1 15/16	7/16	1/16	22.1	15.0	15.4
15.6	16.0	SK	2 1/2	C-3	1 15/16	13/16	5/16	18.2	SK	2 1/2	D-3	1 15/16	7/16	1/16	22.0	15.6	16.0
18.0	18.4	SK	2 1/2	C-3	1 15/16	7/8	1/8	20.7	SK	2 1/2	D-3	1 15/16	9/16	3/16	42.0	18.0	18.4
19.6	20.0	SK	2 5/8	C-3	1 15/16	7/8	1/4	23.7	SF	2 15/16	D-3	2 1/16	11/16	1/4	33.5	19.6	20.0
24.6	25.0	—	—	—	—	—	—	—	SF	2 15/16	D-3	2 1/16	11/16	1/4	46.0	24.6	25.0
29.6	30.0	—	—	—	—	—	—	—	SF	2 15/16	D-3	2 1/16	11/16	1/4	55.0	29.6	30.0
37.6	38.0	—	—	—	—	—	—	—	SF	2 15/16	D-3	2 1/16	25/32	5/32	85.0	37.6	38.0
		3 GROOVE			F = 2 1/2″				4 GROOVE			F = 3 1/4″					
3.0	3.4*	SH	1 5/8	E-1	1 5/16	5/8	23/64	3.4	SD	1 15/16	E-1	1 13/16	11/16	2 15/32	4.4	3.0	3.4*
3.2	3.6*	SH	1 5/8	E-1	1 5/16	5/8	1 3/4	3.8	SD	1 15/16	E-1	1 13/16	11/16	2 15/32	5.0	3.2	3.6*
3.4	3.8*	SH	1 5/8	E-1	1 5/16	5/8	1 3/4	4.5	SD	1 15/16	E-1	1 13/16	11/16	2 15/32	5.7	3.4	3.8*
3.6	4.0*	SH	1 5/8	E-1	1 5/16	5/8	1 11/16	4.2	SD	1 15/16	E-1	1 13/16	11/16	2	5.6	3.6	4.0*
3.8	4.2*	SH	1 5/8	E-1	1 5/16	5/8	1 11/16	4.8	SD	1 15/16	E-1	1 13/16	11/16	2	5.9	3.8	4.2*
4.0	4.4*	SH	1 5/8	E-1	1 5/16	5/8	1 11/16	5.0	SD	1 15/16	E-1	1 13/16	11/16	2	6.6	4.0	4.4*
4.2	4.6*	SD	1 15/16	A-1	1 13/16	3/8	3/16	5.4	SD	1 15/16	A-1	1 13/16	13/16	1/2	7.0	4.2	4.6*
4.4	4.8	SD	1 15/16	A-1	1 13/16	3/8	3/16	6.3	SD	1 15/16	A-1	1 13/16	13/16	1/2	7.6	4.4	4.8
4.6	5.0*	SD	1 15/16	A-1	1 13/16	3/8	3/16	6.9	SD	1 15/16	A-1	1 13/16	13/16	1/2	7.9	4.6	5.0*
4.8	5.2*	SD	1 15/16	A-1	1 13/16	3/8	3/16	7.3	SD	1 15/16	A-1	1 13/16	13/16	1/2	8.5	4.8	5.2*
5.0	5.4	SD	1 15/16	A-1	1 13/16	3/8	3/16	8.4	SD	1 15/16	A-1	1 13/16	13/16	1/2	10.0	5.0	5.4
5.2	5.6	SD	1 15/16	A-1	1 13/16	3/8	3/16	9.6	SD	1 15/16	A-1	1 13/16	13/16	1/2	10.0	5.2	5.6
5.4	5.8	SD	1 15/16	A-1	1 13/16	3/8	3/16	9.1	SD	1 15/16	A-1	1 13/16	13/16	1/2	11.3	5.4	5.8
5.6	6.0	SD	1 15/16	A-1	1 13/16	3/8	3/16	10.9	SD	1 15/16	A-1	1 13/16	13/16	1/2	13.0	5.6	6.0
5.8	6.2	SD	1 15/16	A-1	1 13/16	3/8	3/16	10.6	SD	1 15/16	A-1	1 13/16	13/16	1/2	14.5	5.8	6.2
6.0	6.4	SD	1 15/16	A-1	1 13/16	3/8	3/16	13.5	SD	1 15/16	A-1	1 13/16	13/16	1/2	14.5	6.0	6.4
6.2	6.6	SD	1 15/16	A-1	1 13/16	3/8	3/16	13.5	SD	1 15/16	A-1	1 13/16	13/16	1/2	15.5	6.2	6.6
6.4	6.8	SD	1 15/16	A-1	1 13/16	3/8	3/16	11.6	SD	1 15/16	A-1	1 13/16	13/16	1/2	10.9	6.4	6.8
6.6	7.0	SK	2 1/2	A-1	1 13/16	1/8	1/2	13.3	SK	2 1/2	A-1	1 15/16	1/2	5/8	17.0	6.6	7.0
7.0	7.4	SK	2 1/2	A-1	1 13/16	1/8	1/2	15.8	SK	2 1/2	A-1	1 15/16	1/2	5/8	19.0	7.0	7.4
7.6	8.0	SK	2 1/2	A-1	1 13/16	3/16	9/16	18.3	SK	2 1/2	A-1	1 15/16	1/2	5/8	15.3	7.6	8.0
8.2	8.6	SK	2 1/2	A-1	1 13/16	3/16	9/16	23.0	SK	2 1/2	A-1	1 15/16	5/8	1/2	25.7	8.2	8.6
9.0	9.4	SK	2 1/2	A-2	1 15/16	1/8	1/2	14.1	SK	2 1/2	A-2	1 15/16	1/4	7/8	24.0	9.0	9.4
10.6	11.0	SK	2 1/2	A-2	1 15/16	1/8	1/2	28.0	SK	2 1/2	A-2	1 15/16	1/4	7/8	26.0	10.6	11.0
12.0	12.4	SK	2 1/2	A-3	1 15/16	1/8	1/2	20.2	SK	2 1/2	A-3	1 15/16	1/4	7/8	28.6	12.0	12.4
13.2	13.6	SK	2 1/2	A-3	1 15/16	1/8	1/2	29.8	SK	2 1/2	A-3	1 15/16	1/4	7/8	28.6	13.2	13.6
15.0	15.4	SK	2 1/2	A-3	1 15/16	1/8	1/2	37.1	SK	2 1/2	A-3	1 15/16	1/4	7/8	32.4	15.0	15.4
15.6	16.0	SK	2 1/2	A-3	1 15/16	1/8	1/2	22.0	SF	2 15/16	A-3	2 1/16	1/16	1	34.0	15.6	16.0
18.0	18.4	SK	2 1/2	A-3	1 15/16	1/8	1/2	33.9	SK	2 1/2	A-3	1 15/16	1/8	1	37.7	18.0	18.4
19.6	20.0	SF	2 15/16	A-3	2 1/16	5/16	5/8	39.5	SF	2 15/16	A-3	2 1/16	1/16	1	51.0	19.6	20.0
24.6	25.0	SF	2 15/16	A-3	2 1/16	5/16	5/8	75.0	E	3 1/2	D-3	2 3/4	1/4	11/16	74.5	24.6	25.0
29.6	30.0	SF	2 15/16	A-3	2 1/16	5/16	5/8	76.0	E	3 1/2	D-3	2 3/4	1/4	11/16	95.0	29.6	30.0
37.6	38.0	E	3 1/2	A-3	2 3/4	23/32	13/32	115.0	E	3 1/2	D-3	2 3/4	11/32	25/32	130.0	37.6	38.0

* Diameters below recommended RMA minimum for classical (A, B, etc. non-notched)V-belts. Use of these belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

Groove Spacing = 3/4″, center to center.
A Belt D.D. + 0.4″ = B Belt D.D.
B Belt D.D. + 0.35″ = Sheave O.D.

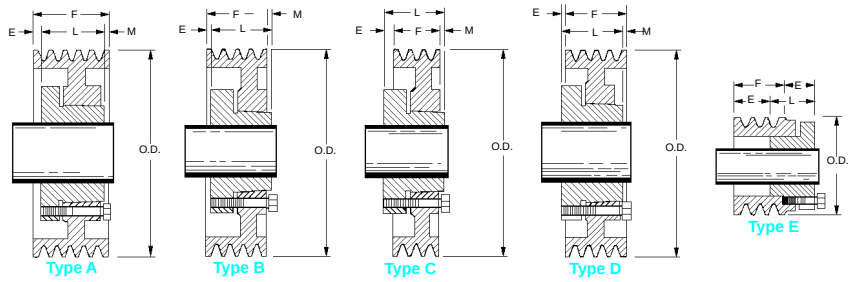


Sketch illustrates how the Multi-Duty® Groove can be used with either an A or B Section V-Belt.

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 67 Multi-Duty® Sheave (Combination A or B) QD Stock Sheaves

Datum Diameter		5 GROOVE			F = 4″				6 GROOVE			F = 4 3/4″				Datum Diameter	
A Belt	B Belt	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	A Belt	B Belt
3.0	3.4*	SD	1 15/16	E-1	1 13/16	11/16	3 7/32	5.1	SD	1 15/16	E-1	1 13/16	11/16	3 7/8	5.7	3.0	3.4*
3.2	3.6*	SD	1 15/16	E-1	1 13/16	11/16	3 7/32	5.8	SD	1 15/16	E-1	1 13/16	11/16	3 7/8	6.9	3.2	3.6*
3.4	3.8*	SD	1 15/16	E-1	1 13/16	11/16	3 7/32	6.4	SD	1 15/16	E-1	1 13/16	11/16	3 7/8	7.4	3.4	3.8*
3.6	4.0*	SD	1 15/16	E-1	1 13/16	11/16	2 3/4	6.7	SD	1 15/16	E-1	1 13/16	11/16	3 1/2	7.2	3.6	4.0*
3.8	4.2*	SD	1 15/16	E-1	1 13/16	11/16	2 3/4	6.6	SD	1 15/16	E-1	1 13/16	11/16	3 1/2	7.7	3.8	4.2*
4.0	4.4*	SD	1 15/16	E-1	1 13/16	11/16	2 3/4	7.5	SD	1 15/16	E-1	1 13/16	11/16	3 1/2	9.2	4.0	4.4*
4.2	4.6*	SD	1 15/16	A-1	1 13/16	5/8	1 7/16	8.3	SD	1 15/16	A-1	1 13/16	5/8	2 3/16	8.8	4.2	4.6*
4.4	4.8	SD	1 15/16	A-1	1 13/16	3/4	1 5/16	8.5	SD	1 15/16	A-1	1 13/16	5/8	2 3/16	9.7	4.4	4.8
4.6	5.0*	SD	1 15/16	A-1	1 13/16	3/4	1 5/16	10.5	SD	1 15/16	A-1	1 13/16	5/8	2 3/16	11.0	4.6	5.0*
4.8	5.2*	SD	1 15/16	A-1	1 13/16	5/8	1 7/16	9.9	SD	1 15/16	A-1	1 13/16	5/8	2 3/16	12.8	4.8	5.2*
5.0	5.4	SK	2 1/2	A-1	1 15/16	7/16	1 7/16	10.5	SK	2 1/2	A-1	1 15/16	7/16	2 3/16	11.3	5.0	5.4
5.2	5.6	SK	2 1/2	A-1	1 15/16	7/16	1 7/16	10.5	SK	2 1/2	A-1	1 15/16	7/16	2 3/16	12.6	5.2	5.6
5.4	5.8	SK	2 1/2	A-1	1 15/16	7/16	1 7/16	11.4	SK	2 1/2	A-1	1 15/16	7/16	2 3/16	14.2	5.4	5.8
5.6	6.0	SK	2 1/2	A-1	1 15/16	7/16	1 7/16	12.8	SK	2 1/2	A-1	1 15/16	7/16	2 3/16	13.7	5.6	6.0
5.8	6.2	SK	2 1/2	A-1	1 15/16	7/16	1 7/16	14.6	SK	2 1/2	A-1	1 15/16	7/16	2 3/16	16.1	5.8	6.2
6.0	6.4	SK	2 1/2	A-1	1 15/16	7/16	1 7/16	15.6	SK	2 1/2	A-1	1 15/16	7/16	2 3/16	15.7	6.0	6.4
6.2	6.6	SK	2 1/2	A-1	1 15/16	7/16	1 7/16	14.8	SK	2 1/2	A-1	1 15/16	7/16	2 3/16	16.5	6.2	6.6
6.4	6.8	SK	2 1/2	A-1	1 15/16	7/16	1 7/16	16.9	SK	2 1/2	A-1	1 15/16	7/16	2 3/16	19.0	6.4	6.8
6.6	7.0	SF	2 15/16	A-1	2 1/16	1/2	1 7/16	16.1	SF	2 15/16	A-1	2 1/16	3/4	1 13/16	18.1	6.6	7.0
7.0	7.4	SF	2 15/16	A-1	2 1/16	1/2	1 7/16	21.5	SF	2 15/16	A-1	2 1/16	3/4	1 13/16	19.7	7.0	7.4
7.6	8.0	SF	2 15/16	A-1	2 1/16	1/2	1 7/16	16.5	SF	2 15/16	A-2	2 1/16	3/4	1 13/16	23.0	7.6	8.0
8.2	8.6	SF	2 15/16	A-1	2 1/16	1/2	1 7/16	25.4	SF	2 15/16	A-2	2 1/16	3/4	1 13/16	25.6	8.2	8.6
9.0	9.4	SF	2 15/16	A-2	2 1/16	1/2	1 7/16	30.0	SF	2 15/16	A-2	2 1/16	3/4	1 13/16	23.8	9.0	9.4
10.6	11.0	SF	2 15/16	A-2	2 1/16	1/2	1 7/16	25.4	SF	2 15/16	A-2	2 1/16	3/4	1 13/16	30.7	10.6	11.0
12.0	12.4	SF	2 15/16	A-3	2 1/16	1/8	1 11/16	34.7	SF	2 15/16	A-3	2 1/16	3/4	1 13/16	32.9	12.0	12.4
13.2	13.6	SF	2 15/16	A-3	2 1/16	3/8	1 7/16	32.6	SF	2 15/16	A-3	2 1/16	3/4	1 13/16	37.9	13.2	13.6
15.0	15.4	SF	2 15/16	A-3	2 1/16	5/16	1 1/2	36.3	SF	2 15/16	A-3	2 1/16	3/4	1 13/16	43.1	15.0	15.4
15.6	16.0	SF	2 15/16	A-3	2 1/16	3/8	1 7/16	37.5	SF	2 15/16	A-3	2 1/16	3/4	1 13/16	43.5	15.6	16.0
18.0	18.4	SF	2 15/16	A-3	2 1/16	3/8	1 7/16	46.0	SF	2 15/16	A-3	2 1/16	7/8	1 3/4	56.4	18.0	18.4
19.6	20.0	E	3 1/2	A-3	2 3/4	1/8	1 1/16	74.0	E	3 1/2	A-3	2 3/4	1/4	1 11/16	70.0	19.6	20.0
24.6	25.0	E	3 1/2	A-3	2 3/4	7/16	1 1/8	84.0	E	3 1/2	A-3	2 3/4	1/4	1 11/16	90.0	24.6	25.0
29.6	30.0	E	3 1/2	A-3	2 3/4	7/16	1 1/16	105.0	E	3 1/2	A-3	2 3/4	1/4	1 11/16	124.0	29.6	30.0
37.6	38.0	E	3 1/2	A-3	2 3/4	1/32	1 5/32	145.0	E	3 1/2	A-3	2 3/4	7/16	1 5/8	175.0	37.6	38.0



The suffix numeral indicates the rim construction, as follows:
1 = Solid Center
2 = Web Center
3 = Arm Center

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 68 B Groove QD Stock Sheaves

Datum Diameter	8 GROOVE			F = 6 1/4″				10 GROOVE			F = 7 3/4″				Datum Diameter
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	
5.4	SK	2 1/2	A-1	1 15/16	1	3 1/8	13.3	SK	2 1/2	A-1	1 15/16	2 3/8	3 1/4	16.0	5.4
5.6	SK	2 1/2	A-1	1 15/16	1	3 1/8	14.0	SK	2 1/2	A-1	1 15/16	2 5/8	3	16.7	5.6
6.0	SF	2 15/16	A-1	2 1/16	7/8	3 3/16	15.3	SF	2 15/16	A-1	2 1/16	2 5/16	3 1/4	18.5	6.0
6.4	SF	2 15/16	A-1	2 1/16	7/8	3 3/16	18.6	SF	2 15/16	A-1	2 1/16	2 9/16	3	21.0	6.4
6.8	SF	2 15/16	A-1	2 1/16	7/8	3 3/16	20.5	SF	2 15/16	A-1	2 1/16	2 9/16	3	23.0	6.8
7.4	SF	2 15/16	A-1	2 1/16	7/8	3 3/16	23.4	SF	2 15/16	A-1	2 1/16	1 5/8	3 15/16	27.2	7.4
8.6	E	3 1/2	A-1	2 3/4	1 3/16	2 1/4	33.5	E	3 1/2	A-1	2 3/4	1 15/16	3	36.2	8.6
9.4	E	3 1/2	A-1	2 3/4	1 3/16	2 1/4	38.5	E	3 1/2	A-1	2 3/4	1 15/16	3	43.2	9.4
11.0	E	3 1/2	A-2	2 3/4	1 3/16	2 1/4	48.4	E	3 1/2	A-2	2 3/4	1 15/16	3	47.0	11.0
12.4	E	3 1/2	A-3	2 3/4	1 3/16	2 1/4	51.2	F	3 15/16	A-2	3 3/4	1 11/16	2 1/8	55.0	12.4
15.4	E	3 1/2	A-3	2 3/4	1 3/16	2 1/4	61.2	F	3 15/16	A-3	3 3/4	5/8	3 3/16	84.0	15.4
18.4	F	3 15/16	D-3	3 3/4	1/8	2 7/16	87.7	F	3 15/16	D-3	3 3/4	5/8	3 3/16	98.7	18.4
20.0	F	3 15/16	D-3	3 3/4	1/8	2 7/16	87.0	F	3 15/16	D-3	3 3/4	5/8	3 3/16	110.0	20.0
25.0	F	3 15/16	D-3	3 3/4	1/8	2 7/16	118.0	F	3 15/16	D-3	3 3/4	3/4	3 1/16	142.0	25.0
30.0	F	3 15/16	A-3	3 3/4	1/8	2 3/16	149.0	F	3 15/16	A-3	3 3/4	7/8	2 15/16	165.0	30.0
38.0	F	3 15/16	D-3	3 3/4	1 1/16	2 11/32	205.0	J	4 1/2	D-3	4 5/8	0	3 3/16	230.0	38.0

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched)V-belts. Use of these belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

Groove Spacing = 1″, center to center.

Table No. 69 C Groove QD Stock Sheaves

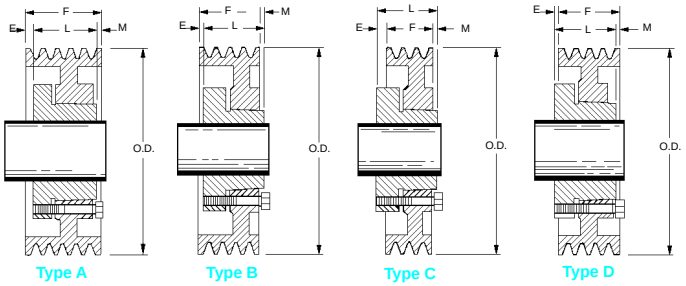
CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Datum Diameter	1 GROOVE F = 1 3/8″							2 GROOVE F = 2 3/8″							3 GROOVE F = 3 3/8″						
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight
5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	SD	1 15/16	A-1	1 13/16	3/4	13/16	8.6
5.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	SD	1 15/16	A-1	1 13/16	3/4	13/16	10.2
6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	SF	1 15/16	A-1	2 1/16	3/8	13/16	9.7
7.0*	SF	2 15/16	C-1	2 1/16	13/16	0	9.0	SF	2 15/16	D-1	2 1/16	1/8	5/16	12.0	SF	2 15/16	A-1	2 1/16	3/8	13/16	15.4
7.5*	SF	2 15/16	C-1	2 1/16	13/16	0	11.0	SF	2 15/16	D-1	2 1/16	1/8	5/16	14.2	SF	2 15/16	A-1	2 1/16	3/8	13/16	17.0
8.0*	SF	2 15/16	C-1	2 1/16	13/16	0	11.0	SF	2 15/16	D-1	2 1/16	1/8	5/16	16.3	E	3 1/2	B-1	2 3/4	9/16	0	20.6
8.5*	SF	2 15/16	C-1	2 1/16	13/16	0	11.0	SF	2 15/16	D-1	2 1/16	1/8	5/16	18.4	E	3 1/2	B-1	2 3/4	9/16	0	23.5
9.0	SF	2 15/16	C-2	2 1/16	13/16	0	12.0	SF	2 15/16	D-1	2 1/16	1/8	5/16	21.0	E	3 1/2	B-1	2 3/4	9/16	0	27.0
9.5	SF	2 15/16	C-2	2 1/16	13/16	0	14.8	SF	2 15/16	D-2	2 1/16	1/8	5/16	17.7	E	3 1/2	B-1	2 3/4	9/16	0	30.3
10.0	SF	2 15/16	C-2	2 1/16	13/16	0	15.8	SF	2 15/16	D-2	2 1/16	1/8	5/16	19.7	E	3 1/2	B-1	2 3/4	9/16	0	33.6
10.5	SF	2 15/16	C-2	2 1/16	13/16	0	15.8	SF	2 15/16	D-2	2 1/16	1/8	5/16	20.4	E	3 1/2	B-1	2 3/4	9/16	0	41.5
11.0	SF	2 15/16	C-2	2 1/16	13/16	0	16.0	SF	2 15/16	D-2	2 1/16	1/8	5/16	21.5	E	3 1/2	B-1	2 3/4	9/16	0	41.9
12.0	SF	2 15/16	C-2	2 1/16	13/16	0	22.3	SF	2 15/16	D-2	2 1/16	3/8	9/16	23.0	E	3 1/2	B-2	2 3/4	9/16	0	37.0
13.0	SF	2 15/16	C-3	2 1/16	13/16	0	25.0	SF	2 15/16	D-3	2 1/16	3/8	9/16	31.0	E	3 1/2	B-2	2 3/4	9/16	0	40.0
14.0	SF	2 15/16	C-3	2 1/16	13/16	0	21.0	SF	2 15/16	D-3	2 1/16	3/8	9/16	28.7	E	3 1/2	A-3	2 3/4	1 3/16	1 3/4	44.0
16.0	SF	2 15/16	C-3	2 1/16	13/16	0	24.0	SF	2 15/16	D-3	2 1/16	5/16	1/2	34.0	E	3 1/2	A-3	2 3/4	1/8	7/16	48.0
18.0	SF	2 15/16	C-3	2 1/16	13/16	0	26.6	SF	2 15/16	D-3	2 1/16	5/16	1/2	38.5	E	3 1/2	D-3	2 3/4	3/8	1 5/8	55.0
20.0	SF	2 15/16	C-3	2 1/16	13/16	0	29.0	SF	2 15/16	D-3	2 1/16	3/8	9/16	46.0	E	3 1/2	D-3	2 3/4	7/16	1	58.0
24.0	SF	2 15/16	C-3	2 1/16	13/16	0	32.0	SF	2 15/16	D-3	2 1/16	3/8	9/16	57.0	E	3 1/2	D-3	2 3/4	7/16	1	77.0
27.0	—	—	—	—	—	—	—	F	3 5/16	D-3	3 3/4	15/16	3/8	88.0	F	3 15/16	D-3	3 3/4	15/16	3/8	101.0
30.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	F	1 15/16	D-3	3 3/4	15/16	3/8	129.0
36.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	F	1 15/16	D-3	3 3/4	5/8	0	143.0
44.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	F	1 15/16	D-3	3 3/4	21/32	3/32	170.0
50.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	F	1 15/16	D-3	3 3/4	1	7/16	190.0

Datum Diameter	4 GROOVE F = 4 3/8″							5 GROOVE F = 5 3/8″							6 GROOVE F = 6 3/8″						
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight
5.0	SD	1 15/16	A-1	1 13/16	1	1 9/16	11.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5.5	SD	1 15/16	A-1	1 13/16	1	1 9/16	12.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6.0	SF	2 15/16	A-1	2 1/16	9/16	1 5/8	11.4	SF	2 15/16	A-1	2 1/16	5/16	2 3/16	13.1	SF	2 15/16	A-1	2 1/16	1	3 3/16	14.6
7.0*	SF	2 15/16	A-1	2 1/16	9/16	1 5/8	18.0	SF	2 15/16	A-1	2 1/16	5/16	2 3/16	20.0	SF	2 15/16	A-1	2 1/16	1	3 3/16	23.6
7.5*	SF	2 15/16	A-1	2 1/16	9/16	1 5/8	20.2	SF	2 15/16	A-1	2 1/16	15/16	2 1/4	24.0	SF	2 15/16	A-1	2 1/16	1	3 3/16	26.6
8.0*	E	3 1/2	A-1	2 3/4	15/16	5/8	23.3	E	3 1/2	A-1	2 3/4	5/16	2 1/4	28.0	E	3 1/2	A-1	2 3/4	1 3/16	2 3/8	31.9
8.5*	E	3 1/2	A-1	2 3/4	15/16	5/8	27.3	E	3 1/2	A-1	2 3/4	7/16	2 1/8	31.2	E	3 1/2	A-1	2 3/4	1 3/16	2 3/8	34.8
9.0	E	3 1/2	A-1	2 3/4	15/16	5/8	30.7	E	3 1/2	A-1	2 3/4	5/16	2 1/4	35.0	F	3 15/16	A-1	3 3/4	1	1 7/16	43.0
9.5	E	3 1/2	A-1	2 3/4	15/16	5/8	34.5	E	3 1/2	A-1	2 3/4	5/16	2 1/4	37.8	F	3 15/16	A-1	3 3/4	1	1 7/16	47.0
10.0	E	3 1/2	A-1	2 3/4	15/16	5/8	37.5	E	3 1/2	A-1	2 3/4	5/16	2 1/4	43.0	F	3 15/16	A-1	3 3/4	1	1 7/16	54.0
10.5	E	3 1/2	A-1	2 3/4	15/16	5/8	36.0	E	3 1/2	A-1	2 3/4	5/16	2 1/4	42.0	F	3 15/16	A-1	3 3/4	1	1 7/16	58.0
11.0	E	3 1/2	A-2	2 3/4	15/16	5/8	38.5	E	3 1/2	A-1	2 3/4	1 1/16	1 1/2	49.0	F	3 15/16	A-1	3 3/4	1	1 7/16	62.8
12.0	E	3 1/2	A-2	2 3/4	15/16	5/8	42.2	E	3 1/2	A-1	2 3/4	1 3/32	1 17/32	48.0	F	3 15/16	A-1	3 3/4	1	1 7/16	59.0
13.0	E	3 1/2	A-3	2 3/4	7/16	1 1/8	52.0	E	3 1/2	A-3	2 3/4	13/16	1 3/4	55.0	F	3 15/16	A-3	3 3/4	1 1/16	1 3/8	65.0
14.0	E	3 1/2	A-3	2 3/4	1/2	1 5/32	56.0	E	3 1/2	A-3	2 3/4	13/16	1 3/4	59.0	F	3 15/16	A-3	3 3/4	1	1 7/16	69.0
16.0	E	3 1/2	A-3	2 3/4	3/4	13/16	61.2	E	3 1/2	A-3	2 3/4	13/16	1 3/4	66.0	F	3 15/16	A-3	3 3/4	1	1 7/16	81.0
18.0	E	3 1/2	A-3	2 3/4	11/16	7/8	66.0	E	3 1/2	A-3	2 3/4	1 3/16	1 5/8	74.0	F	3 15/16	A-3	3 3/4	9/16	1 1/4	90.0
20.0	E	3 1/2	A-3	2 3/4	5/16	1 1/4	76.0	F	3 15/16	A-3	3 3/4	7/16	1	90.0	F	3 15/16	A-3	3 3/4	1 1/16	1 7/8	102.0
24.0	F	3 15/16	D-3	3 3/4	1/16	1/2	99.0	F	3 15/16	D-3	3 3/4	1/8	1 9/16	109.0	F	3 15/16	A-3	3 3/4	1 1/16	1 7/8	150.0
27.0	F	3 15/16	A-3	3 3/4	1/8	1/2	116.0	F	3 15/16	A-3	3 3/4	1/8	1 9/16	133.0	J	4 1/2	A-3	4 5/8	0	1 5/8	162.0
30.0	F	3 15/16	D-3	3 3/4	3/8	13/16	148.0	F	3 15/16	A-3	3 3/4	1/8	1 9/16	160.0	J	4 1/2	A-3	4 5/8	0	1 5/8	180.0
36.0	F	3 15/16	D-3	3 3/4	1/8	9/16	170.0	J	4 1/2	A-3	4 5/8	0	5/8	205.0	J	4 1/2	A-3	4 5/8	0	1 5/8	230.0
44.0	J	4 1/2	D-3	4 5/8	3/8	0	235.0	J	4 1/2	A-3	4 5/8	0	5/8	260.0	J	4 1/2	A-3	4 5/8	0	1 5/8	315.0
50.0	J	4 1/2	D-3	4 5/8	5/8	1/4	256.0	J	4 1/2	A-3	4 5/8	0	5/8	275.0	J	4 1/2	B-3	4 5/8	3/8	3/4	325.0

Datum Diameter	8 GROOVE F = 8 3/8″							10 GROOVE F = 10 3/8″							12 GROOVE F = 12 3/8″						
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight
7.0*	SF	2 13/16	A-1	2 1/16	1	3 3/16	31.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7.5*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8.0*	E	3 1/2	A-1	2 3/4	2 1/16	3 1/2	36.6	E	3 1/2	A-1	2 3/4	2 1/16	5 1/2	44.0	—	—	—	—	—	—	—
8.5*	E	3 1/2	A-1	2 3/4	2 1/16	3 1/2	42.6	E	3 1/2	A-1	2 3/4	2 3/16	5 3/8	48.5	—	—	—	—	—	—	—
9.0	F	3 15/16	A-1	3 3/4	1 1/16	3 3/8	50.9	J	4 1/2	A-1	4 5/8	2	3 5/8	101.0	J	4 1/2	A-1	4 5/8	2 1/2	5 1/8	75.0
9.5	F	3 15/16	A-1	3 3/4	1 1/16	3 3/8	56.0	J	4 1/2	A-1	4 5/8	2	3 5/8	101.0	J	4 1/2	A-1	4 5/8	2 1/2	5 1/8	86.0
10.0	F	3 15/16	A-1	3 3/4	1 1/16	3 3/8	62.0	J	4 1/2	A-1	4 5/8	2	3 5/8	101.0	J	4 1/2	A-1	4 5/8	2 1/2	5 1/8	86.0
10.5	F	3 15/16	A-1	3 3/4	1 1/16	3 3/8	80.0	J	4 1/2	A-1	4 5/8	2	3 5/8	84.0	J	4 1/2	A-1	4 5/8	2 1/2	5 1/8	96.0
11.0	F	3 15/16	A-1	3 3/4	1 15/16	2 1/2	75.0	J	4 1/2	A-1	4 5/8	2	3 5/8	108.0	J	4 1/2	A-1	4 5/8	2 1/2	5 1/8	104.0
12.0	F	3 15/16	A-2	3 3/4	1 15/16	2 1/2	75.0	J	4 1/2	A-1	4 5/8	2	3 5/8	151.0	J	4 1/2	A-1	4 5/8	2 1/2	5 1/8	126.0
13.0	F	3 15/16	A-2	3 3/4	1 15/16	2 1/2	82.0	J	4 1/2	A-1	4 5/8	2	3 5/8	120.0	J	4 1/2	A-1	4 5/8	2 1/2	5 1/8	138.0
14.0	F	3 15/16	A-2	3 3/4	1 15/16	2 1/2	92.0	J	4 1/2	A-1	4 5/8	2	3 5/8	181.0	J	4 1/2	A-1	4 5/8	2 1/2	5 1/8	153.0
16.0	F	3 15/16	A-3	3 3/4	1 15/16	2 1/2	110.0	J	4 1/2	A-1	4 5/8	2	3 5/8	237.0	J	4 1/2	A-2	4 5/8	2 1/2	5 1/8	175.0
18.0	F	3 15/16	A-3	3 3/4	2 3/16	2 1/4	133.0	J	4 1/2	A-2	4 5/8	2	3 5/8	249.0	J	4 1/2	A-3	4 5/8	2 1/2	5 1/8	198.0
20.0	J	4 1/2	A-3	4 5/8	0	3 5/8	146.0	J	4 1/2	A-2	4 5/8	2	3 5/8	277.0	M	5 1/2	A-3	6 3/4	3/16	5 1/4	237.0
24.0	J	4 1/2	A-3	4 5/8	0	3 5/8	183.0	M	5 1/2	A-2	6 3/4	3/16	3 1/4	336.0	M	5 1/2	A-3	6 3/4	3/16	5 1/4	277.0
27.0	J	4 1/2	A-3	4 5/8	0	3 5/8	203.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30.0	J	4 1/2	A-3	4 5/8	9/32	3 11/32	230.0	M	5 1/2	A-3	6 3/4	3/16	3 1/4	305.0	M	5 1/2	A-3	6 3/4	3/16	5 1/4	357.0
36.0	M	5 1/2	A-3	6 3/4	3/16	1 1/4	285.0	M	5 1/2	A-3	6 3/4	3/16	3 1/4	335.0	M	5 1/2	A-3	6 3/4	3/16	5 1/4	430.0
44.0	M	5 1/2	A-3	6 3/4	3/16	1 1/4	415.0	M	5 1/2	A-3	6 3/4	3/16	3 1/4	455.0	M	5 1/2	A-3	6 3/4	3/16	5 1/4	520.0
50.0	M	5 1/2	A-3	6 3/4	3/16	1 1/4	530.0	M	5 1/2	A-3	6 3/4	3/16	3 1/4	503.0	M	5 1/2	A-3	6 3/4	3/16	5 1/4	595.0

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched)V-belts. Use of these belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.



Groove Spacing = $1\frac{7}{16}$", center to center

The suffix numeral indicates the rim construction, as follows:

1 = Solid Center
2 = Web Center
3 = Arm Center

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 70 D Groove QD Standard/Non-Stock Sheaves

	3 GROOVE			F = $4\frac{5}{8}$"				4 GROOVE			F = $6\frac{1}{16}$"				5 GROOVE			F = $7\frac{1}{2}$"			
Datum Diameter	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight
12.0*	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$\frac{1}{16}$	$\frac{5}{8}$	83	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{4}$	85	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{15}{16}$	98
13.0	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$\frac{1}{16}$	$\frac{5}{8}$	88	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{4}$	76	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{15}{16}$	114
13.5	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$\frac{1}{16}$	$\frac{5}{8}$	88	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{4}$	107	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{15}{16}$	134
14.0	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$\frac{1}{16}$	$\frac{5}{8}$	111	F	$3\frac{15}{16}$	A-2	$3\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{4}$	106	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{15}{16}$	140
14.5	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$\frac{1}{16}$	$\frac{5}{8}$	111	F	$3\frac{15}{16}$	A-2	$3\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{4}$	106	F	$3\frac{15}{16}$	A-1	$3\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{15}{16}$	140
15.0	F	$3\frac{15}{16}$	A-2	$3\frac{3}{4}$	$\frac{1}{16}$	$\frac{5}{8}$	105	F	$3\frac{15}{16}$	A-2	$3\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{4}$	110	F	$3\frac{15}{16}$	A-2	$3\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{15}{16}$	146
15.5	F	$3\frac{15}{16}$	A-2	$3\frac{3}{4}$	$\frac{1}{16}$	$\frac{5}{8}$	105	F	$3\frac{15}{16}$	A-2	$3\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{4}$	110	F	$3\frac{15}{16}$	A-2	$3\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{15}{16}$	146
16.0	F	$3\frac{15}{16}$	A-2	$3\frac{3}{4}$	$\frac{1}{16}$	$\frac{5}{8}$	150	F	$3\frac{15}{16}$	A-2	$3\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{4}$	150	F	$3\frac{15}{16}$	A-2	$3\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{15}{16}$	143
18.0	J	$4\frac{1}{2}$	D-2	$4\frac{5}{8}$	$\frac{3}{8}$	$\frac{1}{4}$	146	J	$4\frac{1}{2}$	A-2	$4\frac{5}{8}$	0	$1\frac{5}{16}$	146	J	$4\frac{1}{2}$	A-2	$4\frac{5}{8}$	0	$2\frac{3}{16}$	164
20.0	J	$4\frac{1}{2}$	D-2	$4\frac{5}{8}$	$\frac{3}{8}$	$\frac{1}{4}$	181	J	$4\frac{1}{2}$	A-2	$4\frac{5}{8}$	0	$1\frac{5}{16}$	181	J	$4\frac{1}{2}$	A-2	$4\frac{5}{8}$	0	$2\frac{3}{16}$	188
22.0	J	$4\frac{1}{2}$	D-2	$4\frac{5}{8}$	$\frac{3}{8}$	$\frac{1}{4}$	199	J	$4\frac{1}{2}$	A-2	$4\frac{5}{8}$	0	$1\frac{5}{16}$	199	J	$4\frac{1}{2}$	A-3	$4\frac{5}{8}$	0	$2\frac{3}{16}$	221
27.0	J	$4\frac{1}{2}$	D-3	$4\frac{5}{8}$	$\frac{3}{8}$	$\frac{1}{4}$	236	J	$4\frac{1}{2}$	A-3	$4\frac{5}{8}$	0	$1\frac{5}{16}$	257	M	$5\frac{1}{2}$	A-3	$6\frac{3}{4}$	$\frac{3}{16}$	$\frac{3}{8}$	296
33.0	J	$4\frac{1}{2}$	D-3	$4\frac{5}{8}$	$\frac{3}{8}$	$\frac{1}{4}$	332	M	$5\frac{1}{2}$	C-3	$6\frac{3}{4}$	$\frac{11}{16}$	$\frac{3}{16}$	361	M	$5\frac{1}{2}$	A-3	$6\frac{3}{4}$	$\frac{3}{16}$	$\frac{3}{8}$	411
40.0	J	$4\frac{1}{2}$	D-3	$4\frac{5}{8}$	$\frac{3}{8}$	$\frac{1}{4}$	250	M	$5\frac{1}{2}$	C-3	$6\frac{3}{4}$	$\frac{11}{16}$	$\frac{3}{16}$	498	M	$5\frac{1}{2}$	A-3	$6\frac{3}{4}$	$\frac{3}{16}$	$\frac{3}{8}$	546
48.0	—	—	—	—	—	—	—	M	$5\frac{1}{2}$	C-3	$6\frac{3}{4}$	$\frac{11}{16}$	$\frac{3}{16}$	613	M	$5\frac{1}{2}$	A-3	$6\frac{3}{4}$	$\frac{3}{16}$	$\frac{3}{8}$	671

	6 GROOVE			F = $8\frac{15}{16}$"				8 GROOVE			F = $11\frac{13}{16}$"				
Datum Diameter	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Datum Diameter
12.0*	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	$1\frac{3}{4}$	$2\frac{7}{16}$	126	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	2	$5\frac{1}{16}$	151	12.0*
13.0	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	$1\frac{3}{4}$	$2\frac{7}{16}$	140	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	2	$5\frac{1}{16}$	168	13.0
13.5	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	$1\frac{3}{4}$	$2\frac{7}{16}$	140	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	2	$5\frac{1}{16}$	168	13.5
14.0	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	$1\frac{3}{4}$	$2\frac{7}{16}$	159	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	2	$5\frac{1}{16}$	181	14.0
14.5	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	$1\frac{3}{4}$	$2\frac{7}{16}$	159	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	2	$5\frac{1}{16}$	181	14.5
15.0	J	$4\frac{1}{2}$	A-2	$4\frac{5}{8}$	$1\frac{3}{4}$	$2\frac{7}{16}$	162	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	2	$5\frac{1}{16}$	216	15.0
15.5	J	$4\frac{1}{2}$	A-2	$4\frac{5}{8}$	$1\frac{3}{4}$	$2\frac{7}{16}$	162	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	2	$5\frac{1}{16}$	216	15.5
16.0	J	$4\frac{1}{2}$	A-2	$4\frac{5}{8}$	$1\frac{3}{4}$	$2\frac{7}{16}$	199	J	$4\frac{1}{2}$	A-1	$4\frac{5}{8}$	2	$5\frac{1}{16}$	237	16.0
18.0	J	$4\frac{1}{2}$	A-2	$4\frac{5}{8}$	$1\frac{3}{4}$	$2\frac{7}{16}$	223	M	$5\frac{1}{2}$	A-2	$6\frac{3}{4}$	$2\frac{7}{16}$	$2\frac{7}{16}$	249	18.0
20.0	J	$4\frac{1}{2}$	A-2	$4\frac{5}{8}$	$1\frac{3}{4}$	$2\frac{7}{16}$	249	M	$5\frac{1}{2}$	A-2	$6\frac{3}{4}$	$2\frac{5}{8}$	$2\frac{1}{4}$	277	20.0
22.0	M	$5\frac{1}{2}$	A-2	$6\frac{3}{4}$	$1\frac{3}{8}$	$\frac{5}{8}$	258	M	$5\frac{1}{2}$	A-2	$6\frac{3}{4}$	$\frac{9}{16}$	$4\frac{1}{8}$	326	22.0
27.0	M	$5\frac{1}{2}$	A-3	$6\frac{3}{4}$	$\frac{3}{16}$	$1\frac{13}{16}$	331	M	$5\frac{1}{2}$	A-3	$6\frac{3}{4}$	$\frac{7}{16}$	$4\frac{7}{16}$	376	27.0
33.0	M	$5\frac{1}{2}$	A-3	$6\frac{3}{4}$	$\frac{3}{16}$	$1\frac{13}{16}$	460	M	$5\frac{1}{2}$	A-3	$6\frac{3}{4}$	$\frac{7}{16}$	$4\frac{7}{16}$	524	33.0
40.0	M	$5\frac{1}{2}$	A-3	$6\frac{3}{4}$	$\frac{3}{16}$	$1\frac{13}{16}$	606	N	$5\frac{7}{8}$	A-3	$8\frac{1}{8}$	$\frac{3}{16}$	$3\frac{5}{16}$	695	40.0
48.0	M	$5\frac{1}{2}$	A-3	$6\frac{3}{4}$	$\frac{3}{16}$	$1\frac{13}{16}$	744	N	$5\frac{7}{8}$	A-3	$8\frac{1}{8}$	$\frac{3}{16}$	$3\frac{5}{16}$	849	48.0

	10 GROOVE			F = $14\frac{11}{16}$"			
12.0*	M	$5\frac{1}{2}$	A-1	$6\frac{3}{4}$	$\frac{1}{8}$	$7\frac{5}{8}$	153
13.0	M	$5\frac{1}{2}$	A-1	$6\frac{3}{4}$	$\frac{1}{8}$	$7\frac{5}{8}$	180
13.5	M	$5\frac{1}{2}$	A-1	$6\frac{3}{4}$	$\frac{1}{8}$	$7\frac{5}{8}$	186
14.0	M	$5\frac{1}{2}$	A-1	$6\frac{3}{4}$	$\frac{1}{8}$	$7\frac{5}{8}$	221
14.5	M	$5\frac{1}{2}$	A-1	$6\frac{3}{4}$	$\frac{1}{8}$	$7\frac{5}{8}$	221
15.0	M	$5\frac{1}{2}$	A-1	$6\frac{3}{4}$	$\frac{1}{8}$	$7\frac{5}{8}$	247
15.5	M	$5\frac{1}{2}$	A-1	$6\frac{3}{4}$	$\frac{1}{8}$	$7\frac{5}{8}$	270
16.0	M	$5\frac{1}{2}$	A-1	$6\frac{3}{4}$	$\frac{1}{8}$	$7\frac{5}{8}$	267
18.0	M	$5\frac{1}{2}$	A-1	$6\frac{3}{4}$	$1\frac{1}{2}$	$6\frac{1}{4}$	274
20.0	M	$5\frac{1}{2}$	A-2	$6\frac{3}{4}$	$1\frac{3}{4}$	6	338
22.0	M	$5\frac{1}{2}$	A-2	$6\frac{3}{4}$	$1\frac{3}{16}$	$6\frac{9}{16}$	361
27.0	M	$5\frac{1}{2}$	A-3	$6\frac{3}{4}$	$2\frac{3}{16}$	$5\frac{9}{16}$	430
33.0	N	$5\frac{7}{8}$	A-3	$8\frac{1}{8}$	$1\frac{5}{16}$	$5\frac{1}{16}$	614
40.0	N	$5\frac{7}{8}$	A-3	$8\frac{1}{8}$	$1\frac{5}{16}$	$5\frac{1}{16}$	788
48.0	P	7	A-3	$9\frac{1}{8}$	$\frac{5}{16}$	$4\frac{15}{16}$	961
58.0	P	7	A-3	$9\frac{1}{8}$	$\frac{5}{16}$	$4\frac{15}{16}$	1065

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched)V-belts. Use of these belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

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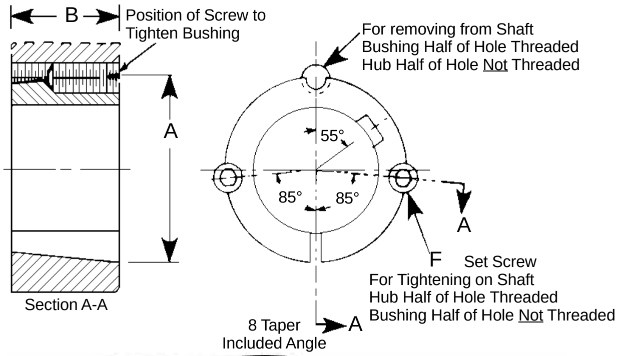
1008 through 3030 Sizes



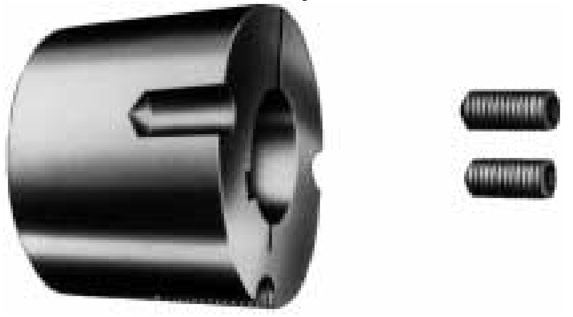
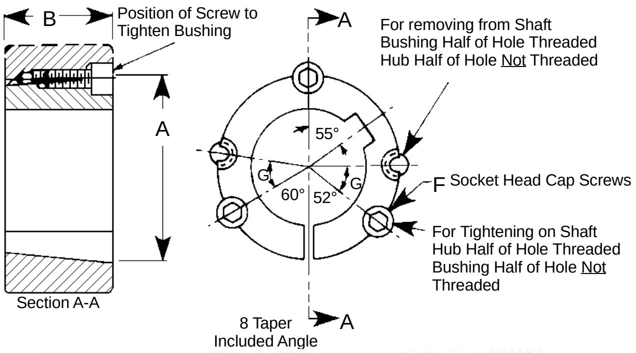


Table No. 71
Taper-Lock Bushings

Bushing No.	External Dimensions A (In.)	External Dimensions B (In.)	Min. Bore (In.)	Range of Stock Bores (In Standard 1/16″ Increments-except as shown in Table No. 53) – Maximum Bore (In.) – With RMA-MPTA Standard Keayseat	Maximum Bore (In.) – With Shallow Keyseat*	Weight Range (Lbs.) – Max. Bore	Weight Range (Lbs.) – Min. Bore
1008	1.386	7/8	1/2	7/8	1	.2	.3
1108	1.511	7/8	1/2	1	1 1/8	.1	.3
1210	1 7/8	1	1/2	1 1/4	—	.4	.6
1215	1 7/8	1 1/2	1/2	1 1/4	—	.5	.9
1310	2	1	1/2	1 7/16	—	.6	.7
1610	2 1/4	1	1/2	1 1/2	1 11/16	.5	.9
1615	2 1/4	1 1/2	1/2	1 1/2	1 11/16	.6	1.3
2012	2 3/4	1 1/4	1/2	1 7/8	2 1/8	.9	1.7
2517	3 3/8	1 3/4	1/2	2 1/4	2 11/16	1.8	3.7
2525	3 3/8	2 1/2	3/4	2 1/4	2 1/2	1.7	4.7
3020	4 1/4	2	7/8	2 3/4	3 1/4	3.4	6.5
3030	4 1/4	3	15/16	2 3/4	3 1/4	4.8	10.0
3535	5	3 1/2	1 3/16	3 1/4	3 15/16	5.0	14.8
4040	5 3/4	4	1 7/16	3 5/8	4 7/16	8.2	22.1
4545	6 3/8	4 1/2	1 15/16	4 1/4	4 15/16	11.2	30.3
5050	7	5	2 7/16	4 1/2	5	20.2	38.7
6050	9 1/4	5	4 7/16	6	—	45.0	57.0
7060	10 1/4	6	4 15/16	7	—	66.0	87.0

*A special, rectangular key is furnished with each bushing having a shallow keyseat. This key will mate with the shallow keyseat and a standard keyseat on the shaft. Keys are not furnished with bushings having standard keyseats.

3535 through 5050 Sizes



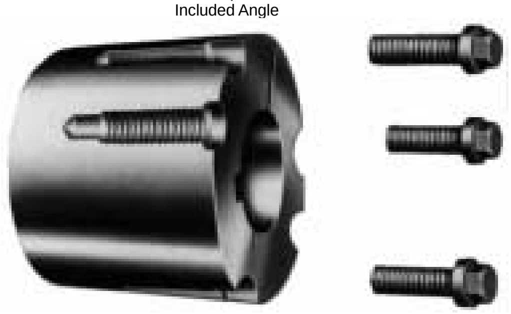


Table No. 72
Recommended Wrench Torque Values To Use in Tightening Taper-Lock Bushings

Bushing No.	F Qty.	F Size	Wrench Torque Install Screws (Lb.-In.)
1008	2	1/4 x 1/2	55
1108	2	1/4 x 1/2	55
1210	2	3/8 x 5/8	175
1215	2	3/8 x 5/8	175
1310	2	3/8 x 5/8	175
1610	2	3/8 x 5/8	175
1615	2	3/8 x 5/8	175
2012	2	7/16 x 7/8	280
2517	2	1/2 x 1	430
2525	2	1/2 x 1	430
3020	2	5/8 x 1 1/4	800
3030	2	5/8 x 1 1/4	800
3535	3	1/2 x 1 1/2	1,000
4040	3	5/8 x 1 3/4	1,700
4545	3	3/4 x 2	2,450
5050	3	7/8 x 2 1/4	3,100
6050	3	1 1/4 x 3 1/2	7,820
7060	4	1 1/4 x 3 1/2	7,820

Table No. 73
Taper-Lock Bushing Nonstock Bores Available on Special Orders Only

2525	—	13/16	15/16	1 1/16	1 5/16	1 9/16	—	2 1/16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3020	—	—	—	1 1/16	—	—	—	—	—	—	—	—	—	2 9/16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3030	—	—	—	—	—	—	—	—	—	—	—	—	2 9/16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3535	—	—	—	—	1 5/16	1 9/16	1 13/16	2 1/16	—	—	—	—	2 9/16	—	—	—	2 13/16	—	—	3 1/16	—	—	—	—	—	3 9/16	3 5/8	3 11/16	3 3/4	3 13/16	3 7/8	—	—	—	—	—	—	—	—	—	—	—	—
4040	—	—	—	—	—	1 9/16	1 13/16	2 1/16	—	—	2 5/16	—	2 9/16	—	—	—	2 13/16	—	—	3 1/16	—	—	—	3 5/16	—	3 9/16	—	—	—	3 13/16	—	4 1/16	4 1/8	4 3/16	4 1/4	4 5/16	4 3/8	—	—	—	—	—	—
4545	—	—	—	—	—	—	—	2 1/16	2 1/8	2 1/4	2 5/16	2 1/2	2 9/16	—	2 11/16	—	2 13/16	—	—	3 1/16	—	—	—	3 5/16	—	3 9/16	—	3 11/16	—	3 13/16	—	4 1/16	—	—	—	4 5/16	—	4 9/16	4 5/8	4 11/16	4 3/4	4 13/16	4 7/8
5050	—	—	—	—	—	—	—	—	—	—	—	2 1/2	2 9/16	2 5/8	2 11/16	2 3/4	2 13/16	2 7/8	3	3 1/16	3 1/8	3 3/16	3 1/4	3 5/16	3 1/2	3 9/16	—	3 11/16	3 3/4	3 13/16	—	4 1/16	4 1/8	4 3/16	—	4 5/16	—	4 9/16	4 5/8	4 11/16	4 3/4	4 13/16	—

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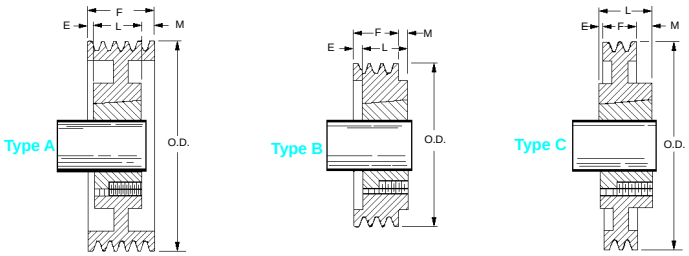


Groove Spacing = $13/32$″, center to center.

The suffix numeral indicates the rim construction, as follows:

1 = Solid Center
2 = Web Center
3 = Arm Center

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 74 3V Super HC™ Taper-Lock* Stock Sheaves

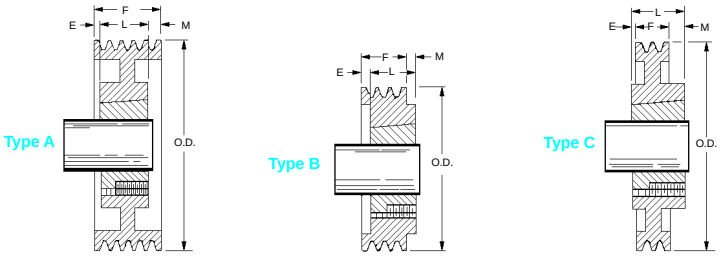
Sheave Outside Diameter	1 GROOVE F = **							2 GROOVE F = $1\frac{3}{32}$″							Sheave Outside Diameter
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	
2.65	1108	$1\frac{1}{8}$	A-1	$\frac{7}{8}$	$\frac{1}{16}$	0	0.8	1108	$1\frac{1}{8}$	A-1	$\frac{7}{8}$	$\frac{1}{16}$	$\frac{1}{8}$	1.0	2.65
2.80	1108	$1\frac{1}{8}$	A-1	$\frac{7}{8}$	$\frac{1}{16}$	0	1.1	1108	$1\frac{1}{8}$	A-1	$\frac{7}{8}$	$\frac{1}{16}$	$\frac{1}{8}$	1.1	2.80
3.00	1108	$1\frac{1}{8}$	A-1	$\frac{7}{8}$	$\frac{1}{16}$	0	1.2	1210	$1\frac{1}{4}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	1.5	3.00
3.15	1108	$1\frac{1}{8}$	A-1	$\frac{7}{8}$	$\frac{1}{16}$	0	1.4	1210	$1\frac{1}{4}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	1.2	3.15
3.35	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	1.3	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	1.8	3.35
3.65	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	1.8	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	2.2	3.65
4.12	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	2.3	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	2.4	4.12
4.50	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	2.8	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	3.0	4.50
4.75	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	3.1	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	3.5	4.75
5.00	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	3.2	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	3.8	5.00
5.30	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	3.7	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	4.4	5.30
5.60	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	4.1	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{1}{16}$	5.1	5.60
6.00	1610	$1\frac{11}{16}$	B-1	1	$\frac{3}{32}$	$\frac{1}{16}$	4.5	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	0	6.1	6.00
6.50	1610	$1\frac{11}{16}$	B-1	1	0	$\frac{5}{16}$	5.3	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	0	6.9	6.50
6.90	1610	$1\frac{11}{16}$	B-1	1	$\frac{3}{32}$	$\frac{13}{32}$	6.1	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	0	8.2	6.90
8.00	2517	$2\frac{11}{16}$	C-2	$1\frac{3}{4}$	0	$1\frac{1}{16}$	8.3	2517	$2\frac{11}{16}$	C-2	$1\frac{3}{4}$	0	$\frac{21}{32}$	11.6	8.00
10.60	2517	$2\frac{11}{16}$	C-2	$1\frac{3}{4}$	0	$1\frac{1}{16}$	13.1	2517	$2\frac{11}{16}$	C-2	$1\frac{3}{4}$	0	$\frac{21}{32}$	24.0	10.60
14.00	2517	$2\frac{11}{16}$	C-3	$1\frac{3}{4}$	0	$\frac{15}{16}$	17.9	2517	$2\frac{11}{16}$	C-3	$1\frac{3}{4}$	0	$\frac{21}{32}$	20.2	14.00
19.00	3020	$3\frac{1}{4}$	C-3	2	0	$\frac{29}{32}$	30.4	3020	$3\frac{1}{4}$	C-3	2	0	$\frac{29}{32}$	32.1	19.00
25.00	—	—	—	—	—	—	—	3020	$3\frac{1}{4}$	C-3	2	0	$\frac{29}{32}$	49.5	25.00

Sheave Outside Diameter	3 GROOVE F = $1\frac{1}{2}$″							4 GROOVE F = $1\frac{29}{32}$″							5 GROOVE F = $2\frac{5}{16}$″							Sheave Outside Diameter
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	
2.65	1108	$1\frac{1}{8}$	A-1	$\frac{7}{8}$	$\frac{1}{16}$	$\frac{9}{16}$	1.2	1108	$1\frac{1}{8}$	A-1	$\frac{7}{8}$	$\frac{1}{16}$	$\frac{31}{32}$	1.3	—	—	—	—	—	—	—	
2.80	1108	$1\frac{1}{8}$	A-1	$\frac{7}{8}$	$\frac{1}{16}$	$\frac{9}{16}$	1.3	1108	$1\frac{1}{8}$	A-1	$\frac{7}{8}$	$\frac{1}{16}$	$\frac{31}{32}$	1.4	—	—	—	—	—	—	—	
3.00	1210	$1\frac{1}{4}$	A-1	1	$\frac{3}{32}$	$\frac{13}{32}$	1.7	1210	$1\frac{1}{4}$	A-1	1	$\frac{3}{32}$	$\frac{27}{32}$	2.1	—	—	—	—	—	—	—	
3.15	1210	$1\frac{1}{4}$	A-1	1	$\frac{3}{32}$	$\frac{13}{32}$	1.6	1210	$1\frac{1}{4}$	A-1	1	$\frac{3}{32}$	$\frac{27}{32}$	1.9	—	—	—	—	—	—	—	
3.35	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{13}{32}$	2.2	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{27}{32}$	2.7	—	—	—	—	—	—	—	
3.65	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{13}{32}$	2.4	1610	$1\frac{11}{16}$	A-1	1	$\frac{3}{32}$	$\frac{27}{32}$	2.4	—	—	—	—	—	—	—	
4.12	1610	$1\frac{11}{16}$	A-1	1	0	$\frac{1}{2}$	2.7	1610	$1\frac{11}{16}$	A-1	1	0	$\frac{27}{32}$	3.2	—	—	—	—	—	—	—	
4.50	1610	$1\frac{11}{16}$	A-1	1	0	$\frac{1}{2}$	3.7	1610	$1\frac{11}{16}$	A-1	1	0	$\frac{29}{32}$	4.1	—	—	—	—	—	—	—	
4.75	1610	$1\frac{11}{16}$	A-1	1	0	$\frac{1}{2}$	4.0	1610	$1\frac{11}{16}$	A-1	1	0	$\frac{29}{32}$	5.2	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{9}{16}$	—	3.9	
5.00	1610	$1\frac{11}{16}$	A-1	1	0	$\frac{1}{2}$	4.6	1610	$1\frac{11}{16}$	A-1	1	$\frac{1}{16}$	$\frac{27}{32}$	5.2	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{9}{16}$	—	4.8	
5.30	1610	$1\frac{11}{16}$	A-1	1	0	$\frac{1}{2}$	5.3	1610	$1\frac{11}{16}$	A-1	1	0	$\frac{29}{32}$	5.9	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	—	6.1	
5.60	1610	$1\frac{11}{16}$	A-1	1	0	$\frac{1}{2}$	5.9	1610	$1\frac{11}{16}$	A-1	1	0	$\frac{29}{32}$	6.6	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	—	7.2	
6.00	2517	$2\frac{11}{16}$	B-1	$1\frac{3}{4}$	0	$\frac{1}{4}$	7.5	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	$\frac{5}{32}$	8.1	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	$\frac{9}{16}$	10.6	
6.50	2517	$2\frac{11}{16}$	B-1	$1\frac{3}{4}$	0	$\frac{1}{4}$	9.2	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	$\frac{5}{32}$	9.7	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	$\frac{9}{16}$	11.2	
6.90	2517	$2\frac{11}{16}$	B-1	$1\frac{3}{4}$	0	$\frac{1}{4}$	10.4	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	$\frac{5}{32}$	12.1	2517	$2\frac{11}{16}$	A-2	$1\frac{3}{4}$	0	$\frac{9}{16}$	12.8	
8.00	2517	$2\frac{11}{16}$	B-1	$1\frac{3}{4}$	0	$\frac{1}{4}$	15.3	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	$\frac{5}{32}$	18.0	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	$\frac{9}{16}$	20.1	
10.60	2517	$2\frac{11}{16}$	C-2	$1\frac{3}{4}$	0	$\frac{1}{4}$	19.3	2517	$2\frac{11}{16}$	A-2	$1\frac{3}{4}$	0	$\frac{5}{32}$	20.7	2517	$2\frac{11}{16}$	A-2	$1\frac{3}{4}$	0	$\frac{9}{16}$	27.0	
14.00	2517	$2\frac{11}{16}$	C-3	$1\frac{3}{4}$	0	$\frac{1}{4}$	22.3	2517	$2\frac{11}{16}$	A-3	$1\frac{3}{4}$	0	$\frac{5}{32}$	26.2	2517	$2\frac{11}{16}$	A-3	$1\frac{3}{4}$	0	$\frac{9}{16}$	28.6	
19.00	3020	$3\frac{1}{4}$	C-3	2	0	$\frac{1}{2}$	40.0	3020	$3\frac{1}{4}$	C-3	2	0	$\frac{3}{32}$	44.2	3020	$3\frac{1}{4}$	A-3	2	0	$\frac{5}{16}$	53.1	
25.00	3020	$3\frac{1}{4}$	C-3	2	0	$\frac{1}{2}$	53.9	3020	$3\frac{1}{4}$	C-3	2	0	$\frac{3}{32}$	61.1	3030	$3\frac{1}{4}$	C-3	3	0	$\frac{11}{16}$	65.0	
33.50	3020	$3\frac{1}{4}$	C-3	2	$\frac{1}{4}$	$\frac{1}{4}$	74.9	3030	$3\frac{1}{4}$	C-3	3	$\frac{35}{64}$	$\frac{35}{64}$	79.9	3030	$3\frac{1}{4}$	C-3	3	$\frac{11}{32}$	$\frac{11}{32}$	101.6	

	6 GROOVE F = $2\frac{23}{32}$″							8 GROOVE F = $3\frac{17}{32}$″							10 GROOVE F = $4\frac{11}{32}$″							
4.75	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{31}{32}$	0	4.6	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$1\frac{25}{32}$	0	5.8	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$2\frac{19}{32}$	0	7.1	
5.00	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{31}{32}$	0	5.7	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$1\frac{25}{32}$	0	6.8	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$2\frac{19}{32}$	0	8.2	
5.30	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{31}{32}$	0	6.7	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$1\frac{1}{32}$	$\frac{3}{4}$	7.6	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$1\frac{27}{32}$	$\frac{3}{4}$	9.4	
5.60	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{31}{32}$	0	7.4	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{1}{4}$	$1\frac{17}{32}$	9.1	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{1}{2}$	$2\frac{3}{32}$	10.2	
6.00	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	$\frac{31}{32}$	10.0	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{1}{4}$	$1\frac{17}{32}$	11.1	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{1}{2}$	$2\frac{3}{32}$	13.3	
6.50	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	$\frac{31}{32}$	12.3	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{1}{4}$	$1\frac{17}{32}$	14.3	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{1}{2}$	$2\frac{3}{32}$	16.0	
6.90	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	$\frac{31}{32}$	13.9	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{1}{4}$	$1\frac{17}{32}$	16.6	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	$\frac{13}{16}$	$1\frac{25}{32}$	18.0	
8.00	2517	$2\frac{11}{16}$	A-1	$1\frac{3}{4}$	0	$\frac{31}{32}$	22.8	3020	$3\frac{1}{4}$	A-1	2	$\frac{1}{2}$	$1\frac{1}{32}$	21.7	3020	$3\frac{1}{4}$	A-1	2	$\frac{1}{4}$	$2\frac{3}{32}$	24.7	
10.60	2517	$2\frac{11}{16}$	A-2	$1\frac{3}{4}$	0	$\frac{31}{32}$	28.9	3020	$3\frac{1}{4}$	A-2	2	$\frac{1}{2}$	$1\frac{1}{32}$	31.5	3020	$3\frac{1}{4}$	A-2	2	$\frac{1}{4}$	$1\frac{1}{2}$	39.2	
14.00	2517	$2\frac{11}{16}$	A-3	$1\frac{3}{4}$	$\frac{7}{32}$	$\frac{3}{4}$	30.7	3020	$3\frac{1}{4}$	A-3	2	$\frac{21}{32}$	$\frac{7}{8}$	48.4	3535	$3\frac{15}{16}$	A-2	$3\frac{1}{2}$	0	$\frac{27}{32}$	56.7	
19.00	3020	$3\frac{1}{4}$	C-3	2	0	$\frac{9}{32}$	44.5	3535	$3\frac{15}{16}$	A-3	$3\frac{1}{2}$	0	$\frac{1}{32}$	69.9	3535	$3\frac{15}{16}$	A-3	$3\frac{1}{2}$	0	$\frac{27}{32}$	81.0	
25.00	3030	$3\frac{1}{4}$	C-3	3	0	$\frac{9}{32}$	76.9	3535	$3\frac{15}{16}$	A-3	$3\frac{1}{2}$	0	$\frac{1}{32}$	99.7	4040	$4\frac{7}{16}$	A-3	4	0	$\frac{11}{32}$	133.3	
33.50	3030	$3\frac{1}{4}$	C-3	3	$\frac{9}{64}$	$\frac{9}{64}$	94.4	4040	$4\frac{7}{16}$	C-3	4	$\frac{15}{64}$	$\frac{15}{64}$	169.9	4040	$4\frac{7}{16}$	A-3	4	$\frac{11}{64}$	$\frac{11}{64}$	180.2	

*Registered trademark of Reliance Electric Company or its affiliates

**$11/16$″ up through 10.6; $13/16$″ for 14.0 and 19.0 sheaves.



Groove Spacing = 11/16″, center to center.

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 75 5V Super HC™ Taper-Lock* Stock Sheaves

Sheave Outside Diameter	2 GROOVE F = 1 11/16″							3 GROOVE F = 2 3/8″							4 GROOVE F = 3 1/16″						
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight
††4.40	1610	1 5/8	A-1	1	1/16	5/8	3.3	1610	1 5/8	A-1	1	1 3/8	0	4.9	1610	1 5/8	A-1	1	2 1/16	0	5.2
††4.65	1610	1 5/8	A-1	1	1/16	5/8	3.2	1610	1 5/8	A-1	1	1/16	1 5/16	4.9	1610	1 5/8	A-1	1	2 1/16	0	6.1
††4.90	1610	1 5/8	A-1	1	1/16	5/8	3.8	1610	1 5/8	A-1	1	1/16	1 5/16	5.0	1610	1 5/8	A-1	1	2 1/16	0	6.4
††5.20	1610	1 5/8	A-1	1	1/16	5/8	4.4	1610	1 5/8	A-1	1	1/16	1 5/16	5.5	2517	2 1/2	A-1	1 3/4	2 1/16	0	7.1
††5.50	1610	1 5/8	A-1	1	1/16	5/8	4.6	1610	1 5/8	A-1	1	1/16	1 5/16	6.4	2517	2 1/2	A-1	1 3/4	1 5/16	0	8.1
††5.90	1610	1 5/8	A-1	1	1/16	5/8	5.5	2517	2 1/2	A-1	1 3/4	0	5/8	7.0	2517	2 1/2	A-1	1 3/4	1 5/16	0	9.6
††6.30	1610	1 5/8	A-1	1	0	11/16	7.8	2517	2 1/2	A-1	1 3/4	0	5/8	9.0	2517	2 1/2	A-1	1 3/4	0	1 5/16	12.3
††6.70	1610	1 5/8	A-1	1	0	11/16	8.7	2517	2 1/2	A-1	1 3/4	0	5/8	11.7	2517	2 1/2	A-1	1 3/4	0	1 5/16	14.0
7.10	2517	2 11/16	B-1	1 3/4	0	1/16	11.2	2517	2 11/16	A-1	1 3/4	0	5/8	13.5	2517	2 11/16	A-1	1 3/4	0	1 5/16	15.9
7.50	2517	2 11/16	B-1	1 3/4	0	1/16	13.6	2517	2 11/16	A-1	1 3/4	0	5/8	15.6	2517	2 11/16	A-1	1 3/4	0	1 5/16	17.6
8.00	2517	2 11/16	B-1	1 3/4	0	1/16	15.4	2517	2 11/16	A-1	1 3/4	0	5/8	18.4	2517	2 11/16	A-1	1 3/4	0	1 5/16	21.4
8.50	2517	2 11/16	B-1	1 3/4	0	1/16	14.5	2517	2 11/16	A-1	1 3/4	0	5/8	17.6	2517	2 11/16	A-1	1 3/4	0	1 5/16	20.4
9.00	2517	2 11/16	B-1	1 3/4	0	1/16	16.7	2517	2 11/16	A-1	1 3/4	0	5/8	25.0	2517	2 11/16	A-2	1 3/4	0	1/2	28.5
9.25	3020	3 1/4	B-1	2	0	5/16	22.0	3020	3 1/4	A-2	2	0	3/8	25.7	3020	3 1/4	A-1	2	0	1 1/16	28.4
9.75	3020	3 1/4	B-1	2	0	5/16	24.2	3020	3 1/4	A-2	2	0	3/8	26.2	3020	3 1/4	A-1	2	0	1 1/16	32.1
10.30	3020	3 1/4	C-2	2	0	5/16	25.0	3020	3 1/4	A-2	2	0	3/8	26.1	3020	3 1/4	A-1	2	0	1 1/16	37.3
10.90	3020	3 1/4	C-2	2	0	5/16	26.9	3020	3 1/4	A-2	2	0	3/8	28.3	3020	3 1/4	A-1	2	0	1 1/16	43.0
11.80	3020	3 1/4	C-2	2	0	5/16	30.0	3020	3 1/4	A-2	2	0	3/8	30.3	3020	3 1/4	A-1	2	0	1 1/16	41.0
12.50	3020	3 1/4	C-2	2	0	5/16	32.5	3020	3 1/4	A-2	2	0	3/8	37.4	3020	3 1/4	A-2	2	0	1 1/16	45.3
13.20	3020	3 1/4	C-3	2	0	5/16	30.3	3020	3 1/4	A-3	2	0	3/8	35.8	3020	3 1/4	A-3	2	0	1 1/16	40.7
14.00	3020	3 1/4	C-3	2	0	5/16	32.9	3020	3 1/4	A-3	2	0	3/8	38.5	3535	3 15/16	C-2	3 1/2	7/16	0	51.9
15.00	3020	3 1/4	C-3	2	0	5/16	36.2	3020	3 1/4	A-3	2	0	3/8	35.1	3535	3 15/16	C-3	3 1/2	7/16	0	53.0
16.00	3020	3 1/4	C-3	2	0	5/16	37.2	3020	3 1/4	A-3	2	0	3/8	36.2	3535	3 15/16	C-3	3 1/2	7/16	0	55.2
18.70	3020	3 1/4	C-3	2	0	5/16	35.0	3020	3	A-3	2	0	3/8	67.5	3535	3 15/16	C-3	3 1/2	7/16	0	80.5
21.20	3535	3 15/16	C-3	3 1/2	3/8	1 7/16	72.0	3535	3 15/16	C-3	3 1/2	0	1 1/8	75.0	3535	3 15/16	C-3	3 1/2	7/16	0	78.0
23.60	3535	3 15/16	C-3	3 1/2	3/8	1 7/16	58.0	3535	3 15/16	C-3	3 1/2	0	1 1/8	75.0	3535	3 15/16	C-3	3 1/2	7/16	0	83.0
28.00	3535	3 15/16	C-3	3 1/2	3/8	1 7/16	97.0	3535	3 15/16	C-3	3 1/2	0	1 1/8	92.0	3535	3 15/16	C-3	3 1/2	7/16	0	106.4
31.50	—	—	—	—	—	—	—	3535	3 15/16	C-3	3 1/2	0	1 1/8	111.0	3535	3 15/16	C-3	3 1/2	7/16	0	119.0
37.50	—	—	—	—	—	—	—	4040	4 7/16	C-3	4	1/2	1 1/8	146.1	4040	4 7/16	C-3	4	0	15/16	194.0
50.00	—	—	—	—	—	—	—	4040	4 7/16	C-3	4	1/2	1 1/8	220.0	4040	4 7/16	C-3	4	0	15/16	264.0

Sheave Outside Diameter	5 GROOVE F = 3 3/4″							6 GROOVE F = 4 7/16″							Sheave Outside Diameter
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	
5.90	2517	2 1/2	A-1	1 3/4	9/16	1 7/16	11.3	2517	2 1/2	A-1	1 3/4	2 11/16	0	12.8	5.90
6.30	2517	2 1/2	A-1	1 3/4	9/16	1 7/16	11.8	2517	2 1/2	A-1	1 3/4	13/16	1 7/8	13.0	6.30
6.70	2517	2 1/2	A-1	1 3/4	9/16	1 7/16	12.8	2517	2 1/2	A-1	1 3/4	13/16	1 7/8	15.1	6.70
7.10	3020	3	A-1	2	1/2	1 1/4	15.9	3020	3	A-1	2	3/4	1 11/16	18.0	7.10
7.50	3020	3	A-1	2	1/2	1 1/4	18.7	3020	3	A-1	2	3/4	1 11/16	20.6	7.50
8.00	3020	3	A-1	2	1/2	1 1/4	22.2	3020	3	A-1	2	3/4	1 11/16	24.3	8.00
8.50	3020	3	A-1	2	1/2	1 1/4	25.1	3020	3	A-1	2	3/4	1 11/16	27.7	8.50
9.00	3020	3	A-1	2	1/2	1 1/4	29.2	3020	3	A-1	2	3/4	1 11/16	31.6	9.00
9.25	3020	3	A-1	2	1/2	1 1/4	31.0	3535	3 15/16	A-1	3 1/2	0	15/16	40.7	9.25
9.75	3020	3	A-1	2	1/2	1 1/4	35.8	3535	3 15/16	A-1	3 1/2	0	15/16	47.6	9.75
10.30	3020	3	A-2	2	1/2	1 1/4	32.8	3535	3 15/16	A-1	3 1/2	0	15/16	55.3	10.30
10.90	3020	3	A-2	2	1/2	1 1/4	36.2	3535	3 15/16	A-1	3 1/2	0	15/16	64.4	10.90
11.80	3020	3	A-2	2	1/2	1 1/4	40.0	3535	3 15/16	A-2	3 1/2	0	15/16	57.8	11.80
12.50	3535	3 15/16	A-2	3 1/2	0	1/4	53.7	3535	3 15/16	A-2	3 1/2	0	15/16	58.2	12.50
13.20	3535	3 15/16	A-2	3 1/2	0	1/4	56.5	3535	3 15/16	A-2	3 1/2	0	15/16	66.9	13.20
14.00	3535	3 15/16	A-2	3 1/2	0	1/4	57.0	3535	3 15/16	A-2	3 1/2	0	15/16	65.4	14.00
15.00	3535	3 15/16	A-3	3 1/2	0	1/4	65.1	4040	4 7/16	A-2	4	0	7/16	95.3	15.00
16.00	3535	3 15/16	A-3	3 1/2	0	1/4	70.0	4040	4 7/16	A-2	4	0	7/16	84.0	16.00
18.70	3535	3 15/16	A-3	3 1/2	0	1/4	84.3	4040	4 7/16	A-3	4	0	7/16	174.0	18.70
21.20	4040	4 7/16	C-3	4	0	1/4	102.0	4040	4 7/16	A-3	4	0	7/16	110.0	21.20
23.60	4040	4 7/16	C-3	4	0	1/4	101.0	4040	4 7/16	A-3	4	0	7/16	115.0	23.60
28.00	4040	4 7/16	C-3	4	0	1/4	131.4	4040	4 7/16	A-3	4	0	7/16	147.6	28.00
31.50	4040	4 7/16	C-3	4	0	1/4	141.0	4040	4 7/16	A-3	4	0	7/16	154.0	31.50
37.50	4040	4 7/16	C-3	4	0	1/4	206.0	4545	4 15/16	C-3	4 1/2	0	1/16	256.0	37.50
50.00	4545	4 15/16	C-3	4 1/2	0	3/4	425.0	4545	4 15/16	C-3	4 1/2	0	1/16	362.0	50.00

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††Diameters below recommended RMA minimum for 5V Belts. Use of these belts can result in reduced belt performance and loss of energy efficiency. See Table No. 60 on Page 221.

See next page for 8 and 10 GROOVES

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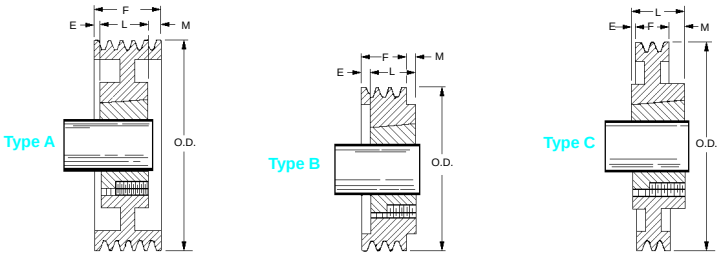

Groove Spacing = $^{11}/_{16}$″, center to center.

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 75 5V Super HC™ Taper-Lock* Stock Sheaves — continued

	8 GROOVE			F = $5^{13}/_{16}$″				10 GROOVE			F = $7^{3}/_{16}$″				
7.10	3030	$3^{1}/_{4}$	A-1	3	1	$1^{13}/_{16}$	23.5	—	—	—	—	—	—	—	7.10
7.50	3030	$3^{1}/_{4}$	A-1	3	1	$1^{13}/_{16}$	27.2	—	—	—	—	—	—	—	7.50
8.00	3030	$3^{1}/_{4}$	A-1	3	1	$1^{13}/_{16}$	32.0	3030	$3^{1}/_{4}$	A-1	3	1	$3^{3}/_{16}$	37.2	8.00
8.50	3030	$3^{1}/_{4}$	A-1	3	1	$1^{13}/_{16}$	36.7	3030	$3^{1}/_{4}$	A-1	3	1	$3^{3}/_{16}$	43.3	8.50
9.00	3535	$3^{15}/_{16}$	A-1	$3^{1}/_{2}$	1	$1^{5}/_{16}$	47.7	3535	$3^{15}/_{16}$	A-1	$3^{1}/_{2}$	1	$2^{11}/_{16}$	47.8	9.00
9.25	3535	$3^{15}/_{16}$	A-1	$3^{1}/_{2}$	1	$1^{5}/_{16}$	45.6	4040	$4^{7}/_{16}$	A-1	4	1	$2^{3}/_{16}$	48.1	9.25
9.75	3535	$3^{15}/_{16}$	A-1	$3^{1}/_{2}$	1	$1^{5}/_{16}$	52.9	4040	$4^{7}/_{16}$	A-1	4	1	$2^{3}/_{16}$	56.2	9.75
10.30	3535	$3^{15}/_{16}$	A-1	$3^{1}/_{2}$	1	$1^{5}/_{16}$	61.1	4040	$4^{7}/_{16}$	A-1	4	1	$2^{3}/_{16}$	66.2	10.30
10.90	3535	$3^{15}/_{16}$	A-1	$3^{1}/_{2}$	1	$1^{5}/_{16}$	70.3	4040	$4^{7}/_{16}$	A-1	4	1	$2^{3}/_{16}$	77.3	10.90
11.80	3535	$3^{15}/_{16}$	A-1	$3^{1}/_{2}$	1	$1^{5}/_{16}$	66.9	4040	$4^{7}/_{16}$	A-1	4	1	$2^{3}/_{16}$	93.9	11.80
12.50	4040	$4^{7}/_{16}$	A-1	4	$^{1}/_{4}$	$1^{9}/_{16}$	112.4	4040	$4^{7}/_{16}$	A-2	4	$^{3}/_{8}$	$2^{13}/_{16}$	120.1	12.50
13.20	4040	$4^{7}/_{16}$	A-2	4	$^{1}/_{4}$	$1^{9}/_{16}$	91.5	4040	$4^{7}/_{16}$	A-2	4	$^{1}/_{4}$	$2^{15}/_{16}$	96.9	13.20
14.00	4040	$4^{7}/_{16}$	A-2	4	$^{1}/_{4}$	$1^{9}/_{16}$	97.6	4545	$4^{15}/_{16}$	A-1	$4^{1}/_{2}$	$^{3}/_{4}$	$1^{15}/_{16}$	121.7	14.00
15.00	4040	$4^{7}/_{16}$	A-2	4	$^{1}/_{4}$	$1^{9}/_{16}$	106.9	4545	$4^{15}/_{16}$	A-1	$4^{1}/_{2}$	$^{3}/_{4}$	$1^{15}/_{16}$	130.4	15.00
16.00	4040	$4^{7}/_{16}$	A-2	4	$^{1}/_{4}$	$1^{9}/_{16}$	111.1	4545	$4^{15}/_{16}$	A-2	$4^{1}/_{2}$	0	$2^{11}/_{16}$	146.0	16.00
18.70	4040	$4^{7}/_{16}$	A-3	4	$^{1}/_{4}$	$1^{9}/_{16}$	102.0	4545	$4^{15}/_{16}$	A-2	$4^{1}/_{2}$	$^{1}/_{2}$	$2^{3}/_{16}$	164.0	18.70
21.20	4040	$4^{7}/_{16}$	A-3	4	$^{1}/_{4}$	$1^{9}/_{16}$	135.0	4545	$4^{15}/_{16}$	A-2	$4^{1}/_{2}$	$^{1}/_{2}$	$2^{3}/_{16}$	188.0	21.20
23.60	4040	$4^{7}/_{16}$	A-3	4	$^{1}/_{4}$	$1^{9}/_{16}$	132.0	4545	$4^{15}/_{16}$	A-3	$4^{1}/_{2}$	$^{3}/_{4}$	$2^{15}/_{16}$	217.0	23.60
28.00	4545	$4^{15}/_{16}$	A-3	$4^{1}/_{2}$	$^{1}/_{4}$	$1^{1}/_{16}$	194.0	4545	$4^{15}/_{16}$	A-3	$4^{1}/_{2}$	$^{3}/_{4}$	$1^{15}/_{16}$	232.0	28.00
31.50	4545	$4^{15}/_{16}$	A-3	$4^{1}/_{2}$	$^{1}/_{4}$	$1^{1}/_{16}$	211.0	4545	$4^{15}/_{16}$	A-3	$4^{1}/_{2}$	$^{3}/_{4}$	$2^{15}/_{16}$	237.0	31.50
37.50	4545	$4^{15}/_{16}$	A-3	$4^{1}/_{2}$	$^{1}/_{4}$	$1^{1}/_{16}$	285.0	4545	$4^{15}/_{16}$	A-3	$4^{1}/_{2}$	$^{3}/_{4}$	$1^{15}/_{16}$	335.0	37.50
50.00	4545	$4^{15}/_{16}$	A-3	$4^{1}/_{2}$	$^{1}/_{4}$	$1^{1}/_{16}$	400.0	5050	5	A-3	5	$^{3}/_{4}$	$1^{7}/_{16}$	540.0	50.00

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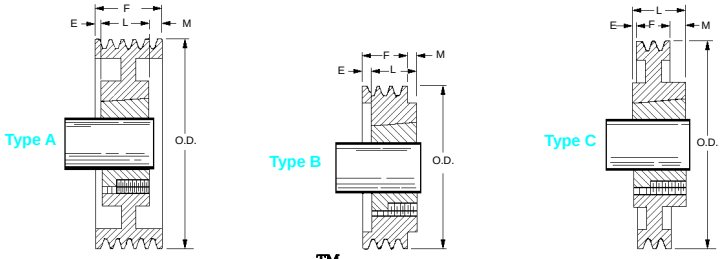

Groove Spacing = 1⅛″, center to center.

The suffix numeral indicates the rim construction, as follows:

1 = Solid Center
2 = Web Center
3 = Arm Center

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 76 8V Super HC™ Taper-Lock* Standard/Non-Stock Sheaves

Sheave Outside Diameter	4 GROOVE F = 4⅞″							5 GROOVE F = 6″							Sheave Outside Diameter
	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	
12.5	4040	4 7/16	A-1	4	0	7/8	83	4040	4 7/16	A-1	4	3/16	1 13/16	95	12.5
13.2	4040	4 7/16	A-1	4	0	7/8	125	4040	4 7/16	A-1	4	3/16	1 13/16	100	13.2
14.0	4040	4 7/16	A-1	4	0	7/8	88	4040	4 7/16	A-1	4	3/16	1 13/16	107	14.0
15.0	4040	4 7/16	A-1	4	1/2	3/8	111	4040	4 7/16	A-2	4	3/16	1 13/16	106	15.0
16.0	4040	4 7/16	A-2	4	1/2	3/8	105	4040	4 7/16	A-2	4	1/2	1 1/2	110	16.0
17.0	4040	4 7/16	A-2	4	0	7/8	150	4545	4 15/16	A-2	4 1/2	0	1 1/2	170	17.0
18.0	4040	4 7/16	A-2	4	0	7/8	150	4545	4 15/16	A-2	4 1/2	0	1 1/2	180	18.0
19.0	4040	4 7/16	A-2	4	0	7/8	146	4545	4 15/16	A-2	4 1/2	0	1 1/2	200	19.0
20.0	4545	4 15/16	A-2	4 1/2	0	3/8	145	4545	4 15/16	A-2	4 1/2	0	1 1/2	145	20.0
21.2	4545	4 15/16	A-2	4 1/2	0	3/8	170	4545	4 15/16	A-2	4 1/2	0	1 1/2	185	21.2
22.4	4545	4 15/16	A-2	4 1/2	0	3/8	161	4545	4 15/16	A-2	4 1/2	0	1 1/2	176	22.4
24.8	5050	5	B-3	5	1/2	3/8	190	4545	4 15/16	A-3	4 1/2	0	1 1/2	206	24.8
30.0	5050	5	B-3	5	1 1/8	1	292	5050	5	B-3	5	5/8	1 5/8	319	30.0
35.5	5050	5	B-3	5	1 1/8	1	315	5050	5	A-3	5	0	1	399	35.5
40.0	5050	5	B-3	5	1 1/8	1	316	5050	5	A-3	5	0	1	350	40.0
44.5	5050	5	B-3	5	1/4	1/8	371	5050	5	A-3	5	9/16	7/16	572	44.5
53.0	5050	5	C-3	5	0	1/8	476	5050	5	A-3	5	0	1	565	53.0

Sheave Outside Diameter	6 GROOVE F = 7⅛″							8 GROOVE F = 9⅜″							Sheave Outside Diameter
	Bush-ing	Max. Bore	Type	L	E	M	Avg. Weight	Bush-ing	Max. Bore	Type	L	E	M	Avg. Weight	
12.5	4040	4 15/16	A-1	4	1	2 1/8	98	4545	4 15/16	A-1	4 1/2	1 1/2	3 3/8	150	12.5
13.2	4040	4 15/16	A-1	4	1	2 1/8	114	4545	4 15/16	A-1	4 1/2	1 1/2	3 3/8	141	13.2
14.0	4040	4 15/16	A-1	4	1	2 1/8	134	4545	4 15/16	A-1	4 1/2	1 1/2	3 3/8	160	14.0
15.0	4545	4 15/16	A-1	4 1/2	1/2	2 1/8	146	4545	4 15/16	A-1	4 1/2	1 1/2	3 3/8	185	15.0
16.0	4545	4 15/16	A-2	4 1/2	1/8	2 1/2	140	4545	4 15/16	A-2	4 1/2	1 1/2	3 3/8	168	16.0
17.0	4545	4 15/16	A-2	4 1/2	1/2	2 1/8	143	5050	5	A-1	5	1	3 3/8	199	17.0
18.0	4545	4 15/16	A-2	4 1/2	1/2	2 1/8	164	5050	5	A-2	5	1	3 3/8	204	18.0
19.0	4545	4 15/16	A-2	4 1/2	1/2	2 1/8	166	5050	5	A-2	5	1	3 3/8	223	19.0
20.0	5050	5	A-2	5	3/16	1 15/16	204	5050	5	A-2	5	1	3 3/8	210	20.0
21.2	5050	5	A-2	5	3/16	1 15/16	188	5050	5	A-2	5	1	3 3/8	248	21.2
22.4	5050	5	B-3	5	3/16	1 15/16	221	5050	5	A-2	5	1	3 3/8	258	22.4
24.8	5050	5	B-3	5	1/2	1 5/8	200	5050	5	A-3	5	2 1/8	2 1/4	302	24.8
30.0	5050	5	A-3	5	1/16	2 1/16	342	5050	5	A-3	5	1 3/16	3 3/16	436	30.0
35.5	5050	5	A-3	5	1/2	1 5/8	444	5050	5	A-3	5	1	3 3/8	508	35.5
40.0	5050	5	A-3	5	1/2	1 5/8	519	5050	5	A-3	5	1	3 3/8	624	40.0
44.5	5050	5	A-3	5	1/2	1 5/8	451	6050	6	A-3	5	1	3 3/8	550	44.5
53.0	5050	5	A-3	5	1/2	1 5/8	664	6050	6	A-3	5	1	3 3/8	1040	53.0

Sheave Outside Diameter	10 GROOVE F = 11⅝″							12 GROOVE F = 13⅞″							Sheave Outside Diameter
	Bush-ing	Max. Bore	Type	L	E	M	Avg. Weight	Bush-ing	Max. Bore	Type	L	E	M	Avg. Weight	
								5050	5	A-1	5	1 7/8	7	153	12.5
13.2	4545	4 15/16	A-1	4 1/2	2 1/16	5 1/16	151	5050	5	A-1	5	1 7/8	7	180	13.2
14.0	4545	4 15/16	A-1	4 1/2	2 1/16	5 1/16	178	5050	5	A-1	5	1 7/8	7	186	14.0
15.0	5050	5	A-1	5	1 15/16	4 11/16	181	5050	5	A-1	5	1 7/8	7	221	15.0
16.0	5050	5	A-1	5	1 1/2	5 1/8	249	5050	5	A-1	5	1 7/8	7	247	16.0
17.0	5050	5	A-1	5	2 1/4	4 3/8	237	5050	5	A-1	5	1 7/8	7	267	17.0
18.0	5050	5	A-1	5	2 1/4	4 3/8	217	5050	5	A-1	5	3 1/2	5 3/8	274	18.0
19.0	5050	5	A-2	5	2 1/4	4 3/8	248	5050	5	A-1	5	2 1/4	6 5/8	306	19.0
20.0	5050	5	A-2	5	2 1/4	4 3/8	277	5050	5	A-2	5	2 1/4	6 5/8	338	20.0
21.2	5050	5	A-2	5	2 1/2	4 1/8	254	5050	5	A-2	5	2 1/4	6 5/8	310	21.2
22.4	5050	5	A-2	5	2 1/4	4 3/8	338	5050	5	A-2	5	2 1/4	6 5/8	361	22.4
24.8	5050	5	A-2	5	2 3/8	4 1/4	336	5050	5	A-3	5	5 3/8	3 1/2	313	24.8
30.0	5050	5	A-3	5	2 1/4	4 3/8	463	6050	6	A-3	5	4	4 7/8	567	30.0
35.5	6050	6	A-3	5	2 1/4	4 3/8	469	6050	6	A-3	5	4	4 7/8	693	35.5
40.0	6050	6	A-3	5	2 1/4	4 3/8	697	6050	6	A-3	5	4	4 7/8	796	40.0
44.5	6050	6	A-3	5	2 1/4	4 3/8	661	6050	6	A-3	5	4	4 7/8	839	44.5
53.0	6050	6	A-3	5	2 1/4	4 3/8	1138	7060	7	A-3	6	5	2 7/8	1343	53.0

*Registered trademark of Reliance Electric Company or its affiliates

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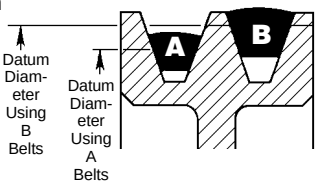
Sketch illustrates how the Multi-Duty® Sheave can be used with either an A or B Section V-Belt.



Groove Spacing = 3/4″, center to center

A Belt D.D. + 0.4″ = B Belt D.D.

B Belt D.D. + 0.35″ = Sheave O.D.

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 77 Multi-Duty® Combination A or B Sheave Taper-Lock† Stock Sheaves

Datum Diameter		1 GROOVE			F = **				2 GROOVE			F = 1 3/4″				Datum Diameter	
A Belt	B Belt	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	A Belt	B Belt
3.0	3.4*	1210	1 1/4	A-1	1	3/64	3/64	1.6	1210	1 1/4	A-1	1	0	3/4	2.3	3.0	3.4*
3.2	3.6*	1210	1 1/4	A-1	1	3/64	3/64	1.8	1210	1 1/4	A-1	1	0	3/4	2.8	3.2	3.6*
3.4	3.8*	1610	1 11/16	A-1	1	0	0	1.8	1610	1 11/16	A-1	1	0	3/4	2.8	3.4	3.8*
3.6	4.0*	1610	1 11/16	A-1	1	0	0	2.1	1610	1 11/16	A-1	1	0	3/4	3.3	3.6	4.0*
3.8	4.2*	1610	1 11/16	A-1	1	3/64	3/64	2.4	1610	1 11/16	A-1	1	0	3/4	3.8	3.8	4.2*
4.0	4.4*	1610	1 11/16	A-1	1	3/64	3/64	2.8	1610	1 11/16	A-1	1	0	3/4	4.1	4.0	4.4*
4.2	4.6*	1610	1 11/16	A-1	1	3/64	3/64	3.1	1610	1 11/16	A-1	1	0	3/4	4.5	4.2	4.6*
4.4	4.8*	1610	1 11/16	A-1	1	3/64	3/64	3.6	1610	1 11/16	A-1	1	0	3/4	5.1	4.4	4.8*
4.6	5.0*	1610	1 11/16	A-1	1	3/64	3/64	3.9	1610	1 11/16	A-1	1	0	3/4	5.2	4.6	5.0*
4.8	5.2*	1610	1 11/16	A-1	1	3/64	3/64	4.3	1610	1 11/16	A-1	1	0	3/4	5.9	4.8	5.2*
5.0	5.4	1610	1 11/16	A-1	1	3/64	3/64	3.1	1610	1 11/16	A-1	1	0	3/4	6.7	5.0	5.4
5.2	5.6	1610	1 11/16	A-1	1	0	0	5.1	1610	1 11/16	A-1	1	0	3/4	7.0	5.2	5.6
5.4	5.8	1610	1 11/16	A-1	1	0	0	5.7	1610	1 11/16	A-1	1	0	3/4	7.2	5.4	5.8
5.6	6.0	1610	1 11/16	A-1	1	0	0	6.1	1610	1 11/16	A-1	1	0	3/4	8.0	5.6	6.0
5.8	6.2	1610	1 11/16	A-1	1	0	0	6.5	1610	1 11/16	A-1	1	0	3/4	8.9	5.8	6.2
6.0	6.4	1610	1 11/16	A-1	1	0	0	7.1	1610	1 11/16	A-1	1	0	3/4	8.8	6.0	6.4
6.2	6.6	1610	1 11/16	A-1	1	0	0	5.1	1610	1 11/16	A-1	1	0	3/4	9.6	6.2	6.6
6.4	6.8	1610	1 11/16	A-1	1	0	0	8.1	1610	1 11/16	A-1	1	0	3/4	10.6	6.4	6.8
6.6	7.0	2517	2 1/2	C-1	1 3/4	0	3/4	8.3	2517	2 1/2	C-1	1 3/4	0	0	12.0	6.6	7.0
7.0	7.4	2517	2 11/16	C-1	1 3/4	0	3/4	10.8	2517	2 11/16	C-1	1 3/4	0	0	14.7	7.0	7.4
7.6	8.0	2517	2 1/2	C-1	1 3/4	0	3/4	10.1	2517	2 1/2	C-2	1 3/4	0	0	14.5	7.6	8.0
8.2	8.6	2517	2 11/16	C-1	1 3/4	0	3/4	12.2	2517	2 11/16	C-2	1 3/4	0	0	16.3	8.2	8.6
9.0	9.4	2517	2 11/16	C-2	1 3/4	0	3/4	13.4	2517	2 11/16	C-2	1 3/4	0	0	17.6	9.0	9.4
10.6	11.0	2517	2 11/16	C-2	1 3/4	0	3/4	21.3	2517	2 11/16	C-2	1 3/4	0	0	24.9	10.6	11.0
12.0	12.4	2517	2 11/16	C-3	1 3/4	1/4	1/2	15.2	2517	2 11/16	C-3	1 3/4	0	0	19.8	12.0	12.4
13.2	13.6	2517	2 1/2	C-3	1 3/4	1/4	1/2	19.8	2517	2 1/2	C-3	1 3/4	0	0	24.3	13.2	13.6
15.0	15.4	2517	2 11/16	C-3	1 3/4	3/8	3/8	20.9	2517	2 11/16	C-3	1 3/4	0	0	26.6	15.0	15.4
15.6	16.0	2517	2 1/2	C-3	1 3/4	3/8	3/8	19.5	2517	2 1/2	C-3	1 3/4	0	0	32.0	15.6	16.0
18.0	18.4	2517	2 11/16	C-3	1 3/4	3/16	7/16	35.7	2517	2 11/16	C-3	1 3/4	0	0	37.1	18.0	18.4
19.6	20.0	—	—	—	—	—	—	—	3020	3/4	C-3	2	0	1/4	52.5	19.6	20.0
24.6	25.0	—	—	—	—	—	—	—	3020	3/4	C-3	2	0	1/4	52.5	24.6	25.0
29.6	30.0	—	—	—	—	—	—	—	3020	3/4	C-3	2	0	1/4	82.7	29.6	30.0
37.6	38.0	—	—	—	—	—	—	—	3020	3/4	C-3	2	0	1/4	121.5	37.6	38.0

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched)V-belts. Use of these belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

**1″ up through A15.0/B15.4, 1 1/8″ for A18.0/B18.4 sheaves.

†Registered trademark of Reliance Electric Company or its affiliates

See next page for 3 and 4 GROOVES.

Table No. 77 Multi-Duty® Combination A or B Sheave Taper-Lock† Stock Sheaves — continued

		3 GROOVE				F = 2½″			4 GROOVE				F = 3¼″				
3.0	3.4*	1210	1¼	A-1	1	0	1½	3.1	1210	1¼	A-1	1	2¼	0	3.8	3.0	3.4*
3.2	3.6*	1210	1¼	A-1	1	0	1½	3.9	1210	1¼	A-1	1	2¼	0	4.9	3.2	3.6*
3.4	3.8*	1610	1 11/16	A-1	1	1/16	1 7/16	3.6	1610	1 11/16	A-1	1	2¼	0	8.0	3.4	3.8*
3.6	4.0*	1610	1 11/16	A-1	1	1/16	1 7/16	4.3	1610	1 11/16	A-1	1	2¼	0	4.6	3.6	4.0*
3.8	4.2*	1610	1 11/16	A-1	1	0	1½	4.8	1610	1 11/16	A-1	1	2¼	0	6.4	3.8	4.2*
4.0	4.4*	1610	1 11/16	A-1	1	0	1½	5.1	1610	1 11/16	A-1	1	2¼	0	6.5	4.0	4.4*
4.2	4.6*	1610	1 11/16	A-1	1	0	1½	6.2	1610	1 11/16	A-1	1	2¼	0	7.6	4.2	4.6*
4.4	4.8*	1610	1 11/16	A-1	1	0	1½	7.4	1610	1 11/16	A-1	1	2¼	0	8.6	4.4	4.8*
4.6	5.0*	1610	1 11/16	A-1	1	0	1½	6.7	2517	2 11/16	A-1	1¾	1½	0	7.1	4.6	5.0*
4.8	5.2*	1610	1 11/16	A-1	1	0	1½	7.4	2517	2 11/16	A-1	1¾	1½	0	8.0	4.8	5.2*
5.0	5.4	2517	2 11/16	A-1	1¾	¾	0	7.3	2517	2 11/16	A-1	1¾	1½	0	9.7	5.0	5.4
5.2	5.6	2517	2 11/16	A-1	1¾	¾	0	8.3	2517	2 11/16	A-1	1¾	1½	0	10.2	5.2	5.6
5.4	5.8	2517	2 11/16	A-1	1¾	¾	0	9.1	2517	2 11/16	A-1	1¾	1½	0	10.7	5.4	5.8
5.6	6.0	2517	2 11/16	A-1	1¾	¾	0	10.1	2517	2 11/16	A-1	1¾	1½	0	12.1	5.6	6.0
5.8	6.2	2517	2 11/16	A-1	1¾	0	¾	11.3	2517	2 11/16	A-1	1¾	1½	0	13.6	5.8	6.2
6.0	6.4	2517	2 11/16	A-1	1¾	0	¾	11.6	2517	2 11/16	A-1	1¾	1½	0	13.2	6.0	6.4
6.2	6.6	2517	2 11/16	A-1	1¾	0	¾	12.8	2517	2 11/16	A-1	1¾	1½	0	15.1	6.2	6.6
6.4	6.8	2517	2 11/16	A-1	1¾	0	¾	14.3	2517	2 11/16	A-1	1¾	1½	0	16.9	6.4	6.8
6.6	7.0	2517	2½	A-1	1¾	¾	0	15.0	2517	2½	A-1	1¾	1½	0	16.0	6.6	7.0
7.0	7.4	2517	2 11/16	A-1	1¾	¾	0	17.7	2517	2 11/16	A-1	1¾	1½	0	20.6	7.0	7.4
7.6	8.0	2517	2½	A-1	1¾	¾	0	18.0	2517	2½	A-1	1¾	1½	0	20.0	7.6	8.0
8.2	8.6	2517	2 11/16	B-2	1¾	¾	0	25.3	2517	2 11/16	A-1	1¾	1½	0	29.3	8.2	8.6
9.0	9.4	2517	2 11/16	B-2	1¾	¾	0	24.8	2517	2 11/16	A-2	1¾	1½	0	29.2	9.0	9.4
10.6	11.0	2517	2 11/16	B-2	1¾	¾	0	29.0	2517	2 11/16	A-2	1¾	1½	0	28.9	10.6	11.0
12.0	12.4	2517	2 11/16	C-3	1¾	0	¾	23.4	2517	2 11/16	A-3	1¾	⅜	1⅛	29.4	12.0	12.4
13.2	13.6	2517	2½	C-3	1¾	0	¾	33.2	2517	2½	A-3	1¾	⅜	1⅛	34.0	13.2	13.6
15.0	15.4	2517	2 11/16	C-3	1¾	0	¾	31.0	2517	2 11/16	A-3	1¾	⅜	1⅛	36.8	15.0	15.4
15.6	16.0	2517	2½	C-3	1¾	0	¾	42.5	2517	2½	A-3	1¾	⅜	1⅛	47.2	15.6	16.0
18.0	18.4	2517	2 11/16	C-3	1¾	0	¾	40.0	2517	2 11/16	A-3	1¾	31/64	1 11/64	47.7	18.0	18.4
19.6	20.0	3020	3¼	C-3	2	0	½	57.9	3020	3¼	A-3	2	½	¾	64.0	19.6	20.0
24.6	25.0	3020	3¼	C-3	2	0	½	72.8	3030	3¼	A-3	3	0	¼	80.6	24.6	25.0
29.6	30.0	3020	3¼	C-3	2	0	½	107.0	3030	3¼	A-3	3	0	¼	103.7	29.6	30.0
37.6	38.0	3020	3¼	C-3	2	0	½	135.0	3030	3¼	A-3	3	0	¼	152.7	37.6	38.0

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched)V-belts. Use of these belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

**1″ up through A15.0/B15.4, 1⅛″ for A18.0/B18.4 sheaves.

†Registered trademark of Reliance Electric Company or its affiliates

See next page for 5 and 6 GROOVES

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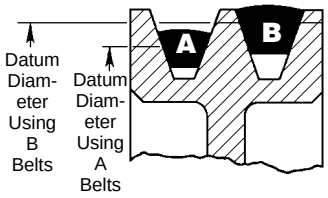
Sketch illustrates how the Multi-Duty® Sheave can be used with either an A or B Section V-Belt.

Groove Spacing = 3/4″, center to center

A Belt D.D. + 0.4″ = B Belt D.D.

B Belt D.D. + 0.35″ = Sheave O.D.



CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 78 Multi-Duty® Combination A or B Sheave Taper-Lock** Stock Sheaves — continued

Datum Diameter		5 GROOVE			F = 4″				6 GROOVE			F = 4 3/4″				Datum Diameter	
A Belt	B Belt	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	A Belt	B Belt
3.0	3.4*	1215	1 1/4	A-1	1 1/2	7/8	1 5/8	4.9	—	—	—	—	—	—	—	3.0	3.4*
3.2	3.6*	1215	1 1/4	A-1	1 1/2	7/8	1 5/8	5.4	—	—	—	—	—	—	—	3.2	3.6*
3.4	3.8*	1215	1 11/16	A-1	1 1/2	7/8	1 5/8	5.1	—	—	—	—	—	—	—	3.4	3.8*
3.6	4.0*	1215	1 11/16	A-1	1 1/2	7/8	1 5/8	6.1	—	—	—	—	—	—	—	3.6	4.0*
3.8	4.2*	1615	1 11/16	A-1	1 1/2	7/8	1 5/8	7.6	1615	1 11/16	A-1	1 1/2	1 1/4	2	8.9	3.8	4.2*
4.0	4.4*	1615	1 11/16	A-1	1 1/2	7/8	1 5/8	6.9	1615	1 11/16	A-1	1 1/2	1 1/4	2	9.3	4.0	4.4*
4.2	4.6*	1615	1 11/16	A-1	1 1/2	7/8	1 5/8	8.6	1615	1 11/16	A-1	1 1/2	1 1/4	2	9.7	4.2	4.6*
4.6	5.0*	2517	2 11/16	A-1	1 3/4	7/8	1 5/8	8.2	1615	1 11/16	A-1	1 1/2	1 1/4	2	9.3	4.6	5.0*
4.8	5.2*	2517	2 11/16	A-1	1 3/4	7/8	1 5/8	9.9	1615	1 11/16	A-1	1 1/2	1 1/4	2	11.0	4.8	5.2*
5.0	5.4	2517	2 11/16	A-1	1 3/4	13/16	1 7/16	10.9	2517	2 11/16	A-1	1 3/4	1 1/8	1 7/8	12.1	5.0	5.4
5.2	5.6	2517	2 11/16	A-1	1 3/4	13/16	1 7/16	11.2	2517	2 11/16	A-1	1 3/4	1 1/8	1 7/8	12.5	5.2	5.6
5.4	5.8	2517	2 1/2	A-1	1 3/4	13/16	1 7/16	12.7	2517	2 1/2	A-1	1 3/4	1 1/8	1 7/8	14.3	5.4	5.8
5.6	6.0	2517	2 11/16	A-1	1 3/4	13/16	1 7/16	12.8	2517	2 11/16	A-1	1 3/4	1 1/8	1 7/8	15.4	5.6	6.0
5.8	6.2	2517	2 1/2	A-1	1 3/4	13/16	1 7/16	14.0	2517	2 1/2	A-1	1 3/4	1 1/8	1 7/8	16.0	5.8	6.2
6.0	6.4	2517	2 11/16	A-1	1 3/4	13/16	1 7/16	15.0	2517	2 11/16	A-1	1 3/4	1 1/8	1 7/8	19.0	6.0	6.4
6.2	6.6	2517	2 1/2	A-1	1 3/4	13/16	1 7/16	16.0	2517	2 1/2	A-1	1 3/4	1 1/8	1 7/8	19.8	6.2	6.6
6.4	6.8	2517	2 11/16	A-1	1 3/4	13/16	1 7/16	18.0	2517	2 11/16	A-1	1 3/4	1 1/8	1 7/8	23.8	6.4	6.8
6.6	7.0	2517	2 1/2	A-1	1 3/4	3/4	1 1/2	18.0	2517	2 1/2	A-1	1 3/4	1 1/8	1 7/8	21.0	6.6	7.0
7.0	7.4	2517	2 11/16	A-1	1 3/4	3/4	1 1/2	21.2	2517	2 11/16	A-1	1 3/4	1 1/8	1 7/8	24.0	7.0	7.4
7.6	8.0	2517	2 1/2	A-1	1 3/4	3/4	1 1/2	23.0	2517	2 1/2	A-1	1 3/4	1 1/8	1 7/8	26.0	7.6	8.0
8.2	8.6	2517	2 11/16	A-2	1 3/4	3/4	1 1/2	24.1	2517	2 11/16	A-2	1 3/4	1 1/2	1 1/2	29.8	8.2	8.6
9.0	9.4	2517	2 11/16	A-2	1 3/4	3/4	1 1/2	26.0	2517	2 11/16	A-2	1 3/4	1 1/8	1 7/8	29.9	9.0	9.4
10.6	11.0	2517	2 11/16	A-2	1 3/4	3/4	1 1/2	32.0	2517	2 11/16	A-2	1 3/4	1 1/8	1 7/8	33.1	10.6	11.0
12.0	12.4	2517	2 11/16	A-3	1 3/4	3/4	1 1/2	34.7	2517	2 11/16	A-3	1 3/4	1 1/2	1 1/2	39.0	12.0	12.4
13.2	13.6	2517	2 1/2	A-3	1 3/4	3/4	1 1/2	38.0	2517	2 1/2	A-3	1 3/4	1 1/2	1 1/2	42.0	13.2	13.6
15.0	15.4	2517	2 11/16	A-3	1 3/4	3/4	1 1/2	43.0	2517	2 11/16	A-3	1 3/4	1 1/2	1 1/2	47.2	15.0	15.4
15.6	16.0	2517	2 1/2	A-3	1 3/4	3/4	1 1/2	67.2	2517	2 1/2	A-3	1 3/4	1 1/2	1 1/2	53.0	15.6	16.0
18.0	18.4	2517	2 11/16	A-3	1 3/4	1 3/16	1 7/16	53.6	2517	2 11/16	A-3	1 3/4	1 1/2	1 1/2	67.8	18.0	18.4
19.6	20.0	3030	3 1/4	A-3	3	1/4	3/4	71.4	3030	3 1/4	A-3	3	1/2	1 1/4	80.5	19.6	20.0
24.6	25.0	3030	3 1/4	A-3	3	1/4	3/4	89.6	3030	3 1/4	A-3	3	1/2	1 1/4	98.3	24.6	25.0
29.6	30.0	3030	3 1/4	A-3	3	1/4	3/4	116.3	3030	3 1/4	A-3	3	1/2	1 1/4	123.6	29.6	30.0
37.6	38.0	3030	3 1/4	A-3	3	1/4	3/4	160.8	3030	3 1/4	A-3	3	1/2	1 1/4	170.0	37.6	38.0

*Diameters below recommended RMA minimum for classical (A, B, etc. non-notched) V-belts. Use of these belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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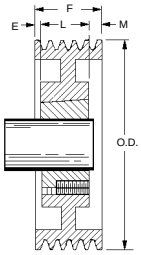
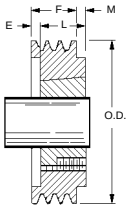
See next page for 8 and 10 grooves.

Groove Spacing = 3/4″, center to center

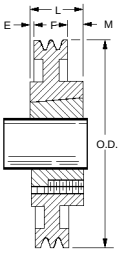
CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.



Type A



Type B



Type C

Table No. 78 B Groove Taper-Lock* Stock Sheaves — continued

	8 GROOVE			F = 6 1/4″				10 GROOVE			F = 7 3/4″				
Datum Diameter	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Datum Diameter
5.4	2517	2 11/16	A-1	1 3/4	1 7/8	2 5/8	15.0	2517	2 11/16	A-1	1 3/4	3	3	18.0	5.4
5.6	2517	2 11/16	A-1	1 3/4	1 7/8	2 5/8	17.0	2517	2 11/16	A-1	1 3/4	3	3	20.0	5.6
6.0	2517	2 11/16	A-1	1 3/4	1 7/8	2 5/8	19.0	2517	2 11/16	A-1	1 3/4	3	3	22.0	6.0
6.4	2517	2 11/16	A-1	1 3/4	1 7/8	2 5/8	22.0	2517	2 11/16	A-1	1 3/4	3	3	26.0	6.4
6.8	2517	2 11/16	A-1	1 3/4	1 7/8	2 5/8	26.0	2517	2 11/16	A-1	1 3/4	3	3	29.0	6.8
7.4	2517	2 11/16	A-1	1 3/4	1 7/8	2 5/8	34.0	2517	2 11/16	A-1	1 3/4	3	3	35.0	7.4
8.6	3030	3 1/4	A-1	3	1	2 1/4	43.0	3030	3 1/4	A-1	3	2	2 3/4	46.6	8.6
9.4	3030	3 1/4	A-2	3	1	2 1/4	40.7	3030	3 1/4	A-2	3	2	2 3/4	50.2	9.4
11.0	3030	3 1/4	A-2	3	1 1/8	2 1/8	44.8	3030	3 1/4	A-2	3	2	2 3/4	57.6	11.0
12.4	3030	3 1/4	A-3	3	1	2 1/4	47.7	—	—	—	—	—	—	—	12.4
15.4	3030	3 1/4	A-3	3	1	2 1/4	64.8	—	—	—	—	—	—	—	15.4
18.4	3030	3 1/4	A-3	3	1	2 1/4	79.7	—	—	—	—	—	—	—	18.4
20.0	3030	3 1/4	A-3	3	1	2 1/4	112.0	—	—	—	—	—	—	—	20.0
25.0	3535	3 15/16	A-3	3 1/2	3/4	2	133.3	—	—	—	—	—	—	—	25.0
30.0	3535	3 15/16	A-3	3 1/2	3/4	2	148.0	—	—	—	—	—	—	—	30.0
38.0	4040	4 7/16	A-3	4	1 1/8	1 1/8	225.0	—	—	—	—	—	—	—	38.0

*Registered trademark of Reliance Electric or its affiliates

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Groove Spacing = 1″, center to center.

The suffix numeral indicates the rim construction, as follows:

1 = Solid Center
2 = Web Center
3 = Arm Center

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 79 C Groove Taper-Lock** Stock Sheaves

	2 GROOVE			F = 2 3/8″				3 GROOVE			F = 3 3/8″				
Datum Diameter	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Datum Diameter
7.0*	2517	2 11/16	A-1	1 3/4	0	5/8	14.1	2517	2 11/16	A-1	1 3/4	1/4	1 3/8	16.3	7.0*
7.5*	2517	2 11/16	A-1	1 3/4	0	5/8	14.6	2517	2 11/16	A-1	1 3/4	1/4	1 3/8	19.9	7.5*
8.0*	2517	2 11/16	A-1	1 3/4	0	5/8	14.9	2517	2 11/16	A-1	1 3/4	0	1 3/8	20.2	8.0*
8.5*	2517	2 11/16	A-1	1 3/4	0	5/8	22.7	2517	2 11/16	A-1	1 3/4	1/4	1 3/8	26.5	8.5*
9.0	2517	2 11/16	A-1	1 3/4	0	5/8	26.0	2517	2 11/16	A-1	1 3/4	1/4	1 3/8	30.1	9.0
9.5	2517	2 11/16	A-2	1 3/4	0	5/8	29.0	2517	2 11/16	A-1	1 3/4	1/4	1 3/8	30.0	9.5
10.0	2517	2 11/16	A-2	1 3/4	0	5/8	22.6	2517	2 11/16	A-1	1 3/4	1/4	1 3/8	37.5	10.0
10.5	2517	2 11/16	A-2	1 3/4	0	5/8	27.2	2517	2 11/16	A-1	1 3/4	1/4	1 3/8	28.4	10.5
11.0	2517	2 11/16	A-2	1 3/4	0	5/8	23.7	2517	2 11/16	A-2	1 3/4	1/4	1 3/8	45.8	11.0
12.0	2517	2 11/16	A-2	1 3/4	0	5/8	31.0	3020	3 1/4	A-2	2	0	1 3/8	39.5	12.0
13.0	2517	2 11/16	A-3	1 3/4	0	5/8	32.7	3020	3 1/4	A-3	2	0	1 3/8	43.1	13.0
14.0	2517	2 11/16	A-3	1 3/4	0	5/8	33.4	3020	3 1/4	A-3	2	0	1 3/8	49.5	14.0
16.0	2517	2 11/16	A-3	1 3/4	0	5/8	39.9	3020	3 1/4	A-3	2	1/16	1 5/16	56.6	16.0
18.0	3020	3 1/4	A-3	2	0	3/8	42.0	3030	3 1/4	A-3	3	0	3/8	72.0	18.0
20.0	3020	3 1/4	A-3	2	0	3/8	60.0	3030	3 1/4	C-3	3	0	3/8	71.0	20.0
24.0	3020	3 1/4	A-3	2	0	3/8	76.0	3030	3 1/4	A-3	3	0	3/8	90.0	24.0
30.0	—	—	—	—	—	—	—	3535	3 15/16	C-3	3 1/2	0	1/8	132.0	30.0
36.0	—	—	—	—	—	—	—	3535	3 15/16	C-3	3 1/2	0	1/8	166.7	36.0

	4 GROOVE				F = 4 3/8″			5 GROOVE				F = 5 3/8″			6 GROOVE				F = 6 3/8″			
Datum Diameter	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight
7.0*	2517	2 11/16	A-1	1 3/4	1 1/8	1 1/2	18.8	2517	2 11/16	A-1	1 3/4	1 1/2	2 1/8	20.0	3030	3 1/4	A-1	3	1	2 3/8	26.2
7.5*	2517	2 11/16	A-1	1 3/4	1 1/8	1 1/2	22.8	2517	2 11/16	A-1	1 3/4	1 1/2	2 1/8	23.4	3030	3 1/4	A-1	3	1	2 3/8	31.4
8.0*	2517	2 11/16	A-1	1 3/4	1/2	2 1/8	26.4	2517	2 11/16	A-1	1 3/4	1 1/2	2 1/8	25.9	3030	3 1/4	A-1	3	1	2 3/8	37.7
8.5*	2517	2 11/16	A-1	1 3/4	1/2	2 1/8	24.9	2517	2 11/16	A-1	1 3/4	1 1/2	2 1/8	29.0	3030	3 1/4	A-1	3	1	2 3/8	41.5
9.0	2517	2 11/16	A-1	1 3/4	1/2	2 1/8	34.7	2517	2 11/16	A-1	1 3/4	1 1/2	2 1/8	31.3	3030	3 1/4	A-1	3	1	2 3/8	47.1
9.5	2517	2 11/16	A-1	1 3/4	1/2	2 1/8	38.3	2517	2 11/16	A-1	1 3/4	1 1/2	2 1/8	35.4	3030	3 1/4	A-1	3	1	2 3/8	58.2
10.0	2517	2 11/16	A-1	1 3/4	1/2	2 1/8	42.0	2517	2 11/16	A-1	1 3/4	1 1/2	2 1/8	36.0	3030	3 1/4	A-1	3	1	2 3/8	55.1
10.5	2517	2 11/16	A-1	1 3/4	1/2	2 1/8	33.4	2517	2 11/16	A-1	1 3/4	1 1/2	2 1/8	42.5	3030	3 1/4	A-1	3	1	2 3/8	48.1
11.0	2517	2 11/16	A-2	1 3/4	1/2	2 1/8	44.8	2517	2 11/16	A-1	1 3/4	1 1/2	2 1/8	39.7	3030	3 1/4	A-1	3	1	2 3/8	52.2
12.0	3030	3 1/4	A-2	3	0	1 3/8	61.3	3030	3 1/4	A-2	3	1/2	1 7/8	42.9	3030	3 1/4	A-1	3	1	2 3/8	53.1
13.0	3030	3 1/4	A-3	3	0	1 3/8	50.2	3030	3 1/4	A-3	3	1/2	2	56.5	3030	3 1/4	A-3	3	1	2 1/2	60.9
14.0	3030	3 1/4	A-3	3	0	1 3/8	60.0	3030	3 1/4	A-3	3	1/2	1 7/8	64.4	3535	3 15/16	A-3	3 1/2	1/2	2 3/8	80.3
16.0	3030	3 1/4	A-3	3	0	1 3/8	63.9	3030	3 1/4	A-3	3	1/2	1 7/8	80.2	3535	3 15/16	A-3	3 1/2	1/2	2 3/8	92.4
18.0	3030	3 1/4	A-3	3	3/16	1 3/16	81.0	3030	3 15/16	A-3	3	1/2	1 7/8	105.0	3535	3 15/16	A-3	3 1/2	3/4	2 1/8	112.8
20.0	3030	3 1/4	A-3	3	0	1 3/8	84.4	3535	3 15/16	A-3	3 1/2	0	1 7/8	106.0	3535	3 15/16	A-3	3 1/2	7/8	2	117.0
24.0	3030	3 1/4	A-3	3	0	1 3/8	100.0	3535	3 15/16	A-3	3 1/2	3/8	1 1/2	130.0	3535	3 15/16	A-3	3 1/2	7/8	2	144.6
30.0	3535	3 15/16	A-3	3 1/2	5/16	9/16	150.0	3535	3 15/16	A-3	3 1/2	13/16	1 11/16	172.0	4040	4 7/16	A-3	4	1	1 3/8	175.3
36.0	3535	3 15/16	A-3	3 1/2	0	7/8	193.3	4040	4 7/16	A-3	4	1/4	1 1/8	210.0	4040	4 7/16	A-3	4	1	1 3/8	230.0
44.0	4040	4 7/16	A-3	4	0	3/8	366.0	4040	4 7/16	A-3	4	1/4	1 1/8	270.0	4040	4 7/16	A-3	4	1	1 3/8	292.5

	8 GROOVE				F = 8 3/8″			10 GROOVE				F = 10 3/8″			12 GROOVE				F = 12 3/8″			
Datum Diameter	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight	Bushing	Max. Bore	Type	L	E	M	Avg. Weight
8.0*	3030	3 1/4	A-1	3	2	3 3/8	44.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8.5*	3030	3 1/4	A-1	3	2	3 3/8	51.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9.0	3535	3 15/16	A-1	3 1/2	1 1/2	3 3/8	64.0	4040	4 7/16	A-1	4	2	4 3/8	75.0	4040	4 7/16	A-1	4	3 1/2	4 7/8	87.0
9.5	3535	3 15/16	A-1	3 1/2	1 1/2	3 3/8	70.7	4040	4 7/16	A-1	4	2	4 3/8	84.0	4040	4 7/16	A-1	4	3 1/2	4 7/8	90.0
10.0	3535	3 15/16	A-1	3 1/2	1 1/2	3 3/8	72.2	4040	4 7/16	A-1	4	2	4 3/8	93.0	4040	4 7/16	A-1	4	3 1/2	4 7/8	95.0
10.5	3535	3 15/16	A-1	3 1/2	1 1/2	3 3/8	87.1	4040	4 7/16	A-1	4	2	4 3/8	108.0	4040	4 7/16	A-1	4	3 1/2	4 7/8	104.0
11.0	3535	3 15/16	A-2	3 1/2	1 1/2	3 3/8	77.2	4040	4 7/16	A-1	4	2	4 3/8	115.0	4040	4 7/16	A-1	4	3 1/2	4 7/8	125.0
12.0	3535	3 15/16	A-2	3 1/2	1 1/2	3 3/8	91.1	4040	4 7/16	A-2	4	2	4 3/8	128.0	4040	4 7/16	A-2	4	3 1/2	4 7/8	140.0
13.0	3535	3 15/16	A-2	3 1/2	1 1/2	3 3/8	88.0	4040	4 7/16	A-2	4	2 1/2	3 7/8	168.0	4545	4 15/16	A-2	4 1/2	3	4 7/8	173.0
14.0	3535	3 15/16	A-2	3 1/2	1 1/2	3 3/8	107.0	4040	4 7/16	A-2	4	2 1/2	3 7/8	181.0	4545	4 15/16	A-2	4 1/2	3	4 7/8	177.0
16.0	3535	3 15/16	A-3	3 1/2	1 1/2	3 3/8	111.0	4040	4 7/16	A-2	4	2 1/2	3 7/8	237.0	—	—	—	—	—	—	—
18.0	4040	4 7/16	A-3	4	1 1/2	2 7/8	155.0	4040	4 7/16	A-2	4	2 1/2	3 7/8	249.0	—	—	—	—	—	—	—
20.0	4040	4 7/16	A-3	4	1 1/2	2 7/8	164.0	4040	4 7/16	A-3	4	2 1/2	3 7/8	277.0	—	—	—	—	—	—	—
24.0	4040	4 7/16	A-3	4	1 1/2	2 7/8	193.0	4040	4 7/16	A-3	4	2 1/2	3 7/8	336.0	—	—	—	—	—	—	—
30.0	4040	4 7/16	A-3	4	1 1/2	2 7/8	230.0	4545	4 15/16	A-3	4 1/2	2	3 7/8	340.0	—	—	—	—	—	—	—
36.0	4545	4 15/16	A-3	4 1/2	1 1/4	2 5/8	316.0	4545	4 15/16	A-3	4 1/2	2	3 7/8	380.0	—	—	—	—	—	—	—
44.0	4545	4 15/16	A-3	4 1/2	1 1/4	2 5/8	372.0	4545	4 15/16	A-3	4 1/2	2	3 7/8	480.0	—	—	—	—	—	—	—

*Diameters below recommended RMA minimum for classical (A, B, etc. nonnotched)V-belts. Use of these belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

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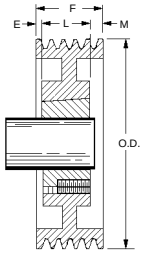
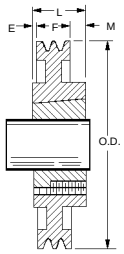


Type A



Type C

Groove Spacing = $1\frac{7}{16}$″, center to center

The suffix numeral indicates the rim construction, as follows:

1 = Solid Center
2 = Web Center
3 = Arm Center

CAUTION: Do not use these sheaves with rim speeds in excess of 6,500 feet per minute.

Table No. 80 D Groove Taper-Lock** Sheaves AVAILABLE MADE TO ORDER ONLY

Datum Diameter	3 GROOVE Bushing	Max. Bore	Type	F = $4\frac{5}{8}$″ L	E	M	Avg. Weight	4 GROOVE Bushing	Max. Bore	Type	F = $6\frac{1}{16}$″ L	E	M	Avg. Weight	Datum Diameter
12.0*	4040	$4\frac{7}{16}$	A-1	4	0	$\frac{5}{8}$	83.0	4040	$4\frac{7}{16}$	A-1	4	$\frac{1}{4}$	$1\frac{13}{16}$	85	12.0*
13.0	4040	$4\frac{7}{16}$	A-1	4	0	$\frac{5}{8}$	88.0	4040	$4\frac{7}{16}$	A-1	4	$\frac{1}{4}$	$1\frac{13}{16}$	100	13.0
13.5	4040	$4\frac{7}{16}$	A-1	4	0	$\frac{5}{8}$	88.0	4040	$4\frac{7}{16}$	A-1	4	$\frac{1}{4}$	$1\frac{13}{16}$	107	13.5
14.0	4040	$4\frac{7}{16}$	A-1	4	0	$\frac{5}{8}$	95.0	4040	$4\frac{7}{16}$	A-2	4	$\frac{1}{4}$	$1\frac{13}{16}$	106	14.0
14.5	4040	$4\frac{7}{16}$	A-1	4	0	$\frac{5}{8}$	111.0	4040	$4\frac{7}{16}$	A-2	4	$\frac{1}{4}$	$1\frac{13}{16}$	106	14.5
15.0	4040	$4\frac{7}{16}$	A-2	4	$\frac{1}{4}$	$\frac{3}{8}$	120.0	4040	$4\frac{7}{16}$	A-2	4	$\frac{1}{4}$	$1\frac{13}{16}$	110	15.0
15.5	4040	$4\frac{7}{16}$	A-2	4	$\frac{1}{4}$	$\frac{3}{8}$	130.0	4040	$4\frac{7}{16}$	A-2	4	$\frac{1}{4}$	$1\frac{13}{16}$	110	15.5
16.0	4040	$4\frac{7}{16}$	A-2	4	$\frac{1}{4}$	$\frac{3}{8}$	150.0	4040	$4\frac{7}{16}$	A-2	4	$\frac{1}{4}$	$1\frac{13}{16}$	150	16.0
18.0	4545	$4\frac{15}{16}$	A-2	$4\frac{1}{2}$	0	$\frac{1}{8}$	155.0	4545	$4\frac{15}{16}$	A-2	$4\frac{1}{2}$	0	$1\frac{9}{16}$	146	18.0
20.0	4545	$4\frac{15}{16}$	A-2	$4\frac{1}{2}$	0	$\frac{1}{8}$	181.0	4545	$4\frac{15}{16}$	A-2	$4\frac{1}{2}$	0	$1\frac{9}{16}$	181	20.0
22.0	4545	$4\frac{15}{16}$	A-2	$4\frac{1}{2}$	0	$\frac{1}{8}$	199.0	4545	$4\frac{15}{16}$	A-2	$4\frac{1}{2}$	0	$1\frac{9}{16}$	199	22.0
27.0	4545	$4\frac{15}{16}$	A-3	$4\frac{1}{2}$	0	$\frac{1}{8}$	238.0	4545	$4\frac{15}{16}$	A-3	$4\frac{1}{2}$	$\frac{1}{2}$	$1\frac{1}{16}$	257	27.0
33.0	4545	$4\frac{15}{16}$	A-3	$4\frac{1}{2}$	0	$\frac{1}{8}$	332.0	5050	5	A-3	5	0	$1\frac{1}{16}$	361	33.0
								5050	5	A-3	5	0	$1\frac{1}{16}$	498	40.0
								5050	5	A-3	5	0	$1\frac{1}{16}$	613	48.0

Datum Diameter	5 GROOVE Bushing	Max. Bore	Type	F = $7\frac{1}{2}$″ L	E	M	Avg. Weight	6 GROOVE Bushing	Max. Bore	Type	F = $8\frac{5}{16}$″ L	E	M	Avg. Weight	Datum Diameter
12.0*	4040	$4\frac{7}{16}$	A-1	4	$\frac{3}{4}$	$2\frac{3}{4}$	106	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	1	$3\frac{7}{16}$	126	12.0*
13.0	4040	$4\frac{7}{16}$	A-1	4	$\frac{3}{4}$	$2\frac{3}{4}$	94	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	1	$3\frac{7}{16}$	140	13.0
13.5	4040	$4\frac{7}{16}$	A-1	4	$\frac{7}{8}$	$2\frac{5}{8}$	134	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	1	$3\frac{7}{16}$	140	13.5
14.0	4040	$4\frac{7}{16}$	A-1	4	$\frac{3}{4}$	$2\frac{3}{4}$	140	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	1	$3\frac{7}{16}$	159	14.0
14.5	4040	$4\frac{7}{16}$	A-1	4	$\frac{3}{4}$	$2\frac{3}{4}$	103	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	1	$3\frac{7}{16}$	159	14.5
15.0	4040	$4\frac{7}{16}$	A-2	4	$\frac{3}{4}$	$2\frac{3}{4}$	110	4545	$4\frac{15}{16}$	A-2	$4\frac{1}{2}$	1	$3\frac{7}{16}$	162	15.0
15.5	4040	$4\frac{7}{16}$	A-2	4	$\frac{3}{4}$	$2\frac{3}{4}$	119	4545	$4\frac{15}{16}$	A-2	$4\frac{1}{2}$	1	$3\frac{7}{16}$	162	15.5
16.0	4040	$4\frac{7}{16}$	A-2	4	$\frac{3}{4}$	$2\frac{3}{4}$	114	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	1	$3\frac{7}{16}$	199	16.0
18.0	4545	$4\frac{15}{16}$	A-2	$4\frac{1}{2}$	$\frac{11}{16}$	$2\frac{5}{16}$	164	4545	$4\frac{15}{16}$	A-2	$4\frac{1}{2}$	1	$3\frac{7}{16}$	223	18.0
20.0	4545	$4\frac{15}{16}$	A-2	$4\frac{1}{2}$	$\frac{1}{2}$	$2\frac{1}{2}$	188	4545	$4\frac{15}{16}$	A-2	$4\frac{1}{2}$	1	$3\frac{7}{16}$	249	20.0
22.0	4545	$4\frac{15}{16}$	A-3	$4\frac{1}{2}$	$\frac{1}{2}$	$2\frac{1}{2}$	221	5050	5	A-2	5	$\frac{1}{2}$	$3\frac{7}{16}$	258	22.0
27.0	5050	5	A-3	5	$\frac{9}{16}$	$1\frac{15}{16}$	296	5050	5	A-3	5	2	$1\frac{15}{16}$	331	27.0
33.0	5050	5	A-3	5	$\frac{9}{16}$	$1\frac{15}{16}$	411	5050	5	A-3	5	2	$1\frac{15}{16}$	460	33.0
40.0	5050	5	A-3	5	$\frac{9}{16}$	$1\frac{15}{16}$	546	5050	5	A-3	5	2	$1\frac{15}{16}$	606	40.0
48.0	5050	5	A-3	5	$\frac{9}{16}$	$1\frac{15}{16}$	671	5050	5	A-3	5	2	$1\frac{15}{16}$	744	48.0

Datum Diameter	8 GROOVE Bushing	Max. Bore	Type	F = $11\frac{13}{16}$″ L	E	M	Avg. Weight	10 GROOVE Bushing	Max. Bore	Type	F = $14\frac{11}{16}$″ L	E	M	Avg. Weight	Datum Diameter
12.0*	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	$2\frac{1}{4}$	$5\frac{1}{16}$	134	5050	5	A-1	5	$1\frac{7}{8}$	$7\frac{13}{16}$	153	12.0*
13.0	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	$2\frac{1}{4}$	$5\frac{1}{16}$	168	5050	5	A-1	5	$1\frac{7}{8}$	$7\frac{13}{16}$	180	13.0
13.5	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	$2\frac{1}{4}$	$5\frac{1}{16}$	168	5050	5	A-1	5	$1\frac{7}{8}$	$7\frac{13}{16}$	186	13.5
14.0	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	2	$5\frac{5}{16}$	181	5050	5	A-1	5	$1\frac{7}{8}$	$7\frac{13}{16}$	221	14.0
14.5	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	2	$5\frac{5}{16}$	162	5050	5	A-1	5	$1\frac{7}{8}$	$7\frac{13}{16}$	221	14.5
15.0	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	2	$5\frac{5}{16}$	159	5050	5	A-1	5	$1\frac{7}{8}$	$7\frac{13}{16}$	247	15.0
15.5	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	2	$5\frac{5}{16}$	216	5050	5	A-1	5	$1\frac{7}{8}$	$7\frac{13}{16}$	247	15.5
16.0	4545	$4\frac{15}{16}$	A-1	$4\frac{1}{2}$	$2\frac{1}{4}$	$5\frac{1}{16}$	170	5050	5	A-1	5	$1\frac{7}{8}$	$7\frac{13}{16}$	267	16.0
18.0	5050	5	A-2	5	$2\frac{7}{16}$	$4\frac{3}{8}$	249	5050	5	A-2	5	$3\frac{1}{2}$	$6\frac{3}{16}$	274	18.0
20.0	5050	5	A-2	5	$2\frac{7}{16}$	$4\frac{3}{8}$	277	5050	5	A-2	5	$3\frac{1}{2}$	$6\frac{3}{16}$	338	20.0
22.0	5050	5	A-2	5	$2\frac{1}{4}$	$4\frac{9}{16}$	326	5050	5	A-2	5	$3\frac{1}{2}$	$6\frac{3}{16}$	361	22.0
27.0	5050	5	A-3	5	$4\frac{7}{16}$	$2\frac{3}{8}$	376	5050	5	A-3	5	$5\frac{11}{16}$	4	430	27.0
33.0	5050	5	A-3	5	$4\frac{7}{16}$	$2\frac{3}{8}$	524	5050	5	A-3	5	$5\frac{1}{16}$	$4\frac{5}{8}$	614	33.0
40.0	5050	5	A-3	5	$4\frac{9}{16}$	$2\frac{1}{4}$	695	5050	5	A-3	5	$5\frac{1}{16}$	$4\frac{5}{8}$	788	40.0
48.0	5050	5	A-3	5	$4\frac{9}{16}$	$2\frac{1}{4}$	849	6050	6	A-3	5	4	$5\frac{11}{16}$	961	48.0

*Diameters below recommended RMA minimum for classical (A, B, etc. nonnotched)V-belts. Use of these belts can result in reduced belt performance and loss of energy efficiency. See Table No. 59 on Page 220.

NOTE: For information on Belt Drive Tensioners, QD Idler Bushings and Idler Shaft with Locking Collar, refer to Page 246.

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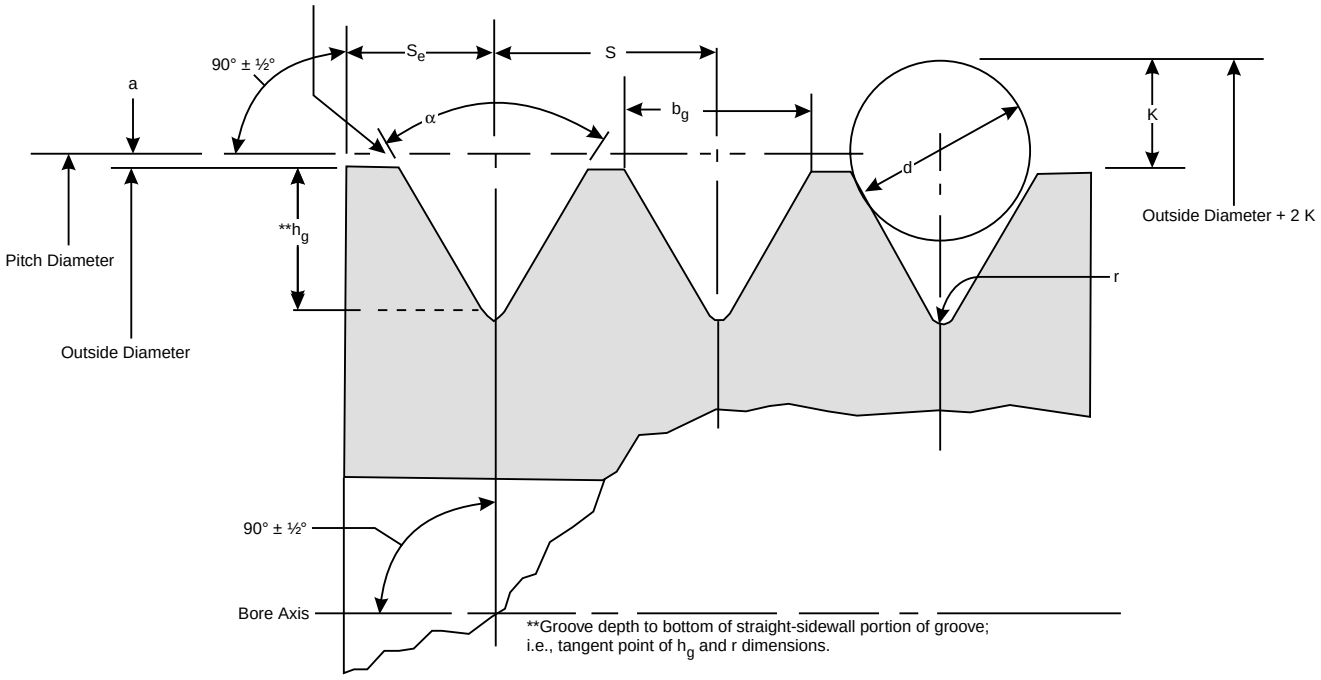
Polyflex® JB® Sheave Specifications
Sheave Groove Dimensions



Groove Designation	Minimum Recommended Outside Diameter (In.)	2a PD to OD Value (In.)	(b_g) Groove Top Width (In.) ±0.002"	(S) Groove Spacing (In.) +0.005 -0.002	(S_e) Edge Spacing (In.) Minimum	(r) Bottom Radius (In.) Maximum	Groove Angle		(h_g) Groove Depth (In.) Reference**	(2K) Two Times Ball Extension (In.) ±0.005	(d) Ball or Rod Diameter (In.) ±0.0005
							Outside Diameter Range (In.)	(a) Groove Angle (Degrees) ±¼"			
5M	1.04	0.05	0.177	0.209	0.136	0.016	1.04-1.26	60	0.129	0.209	0.1719
							1.27-3.80	62	0.124	0.211	
							Over 3.80	64	0.120	0.213	
7M	1.67	0.09	0.280	0.335	0.222	0.023	1.67-3.00	60	0.208	0.359	0.2813
							Over 3.00	62	0.200	0.361	
11M	2.64	0.14	0.441	0.520	0.339	0.031	2.64-4.60	60	0.335	0.595	0.4531
							Over 4.60	62	0.323	0.599	

NOTES:

1. The sides of the groove shall not exceed 125 microinches (RMS) roughness.
2. The summation of deviations from S for all grooves in any one sheave shall not exceed ± 0.015".
3. The variation in diameter over ball (Outside Diameter + 2K) shall not vary from groove to groove in any one sheave more than:

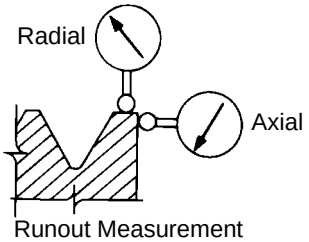
   5M: 0.002" 7M: 0.003" 11M: 0.004"

4. The tolerance on outside diameter shall be:

   ±0.005" for sheaves 1.04" through 5.00" outside diameter
   ±0.015" for sheaves 5.01" through 10.00" outside diameter
   ±0.030" for sheaves 10.01" through 20.00" outside diameter
   ±0.050" for sheaves 20.01" and more.

Radial runout shall not exceed:
0.005" TIR* for outside diameters up through 10.0"
Add 0.0005" TIR* per inch of outside diameter more than 10.0"

Axial runout shall not exceed:
0.001" TIR* per inch of outside diameter for diameters up through 20.0"
Add 0.0005" TIR* per inch of outside diameter for diameters more than 20.0"



Runout Measurement

*Total Indicator Reading

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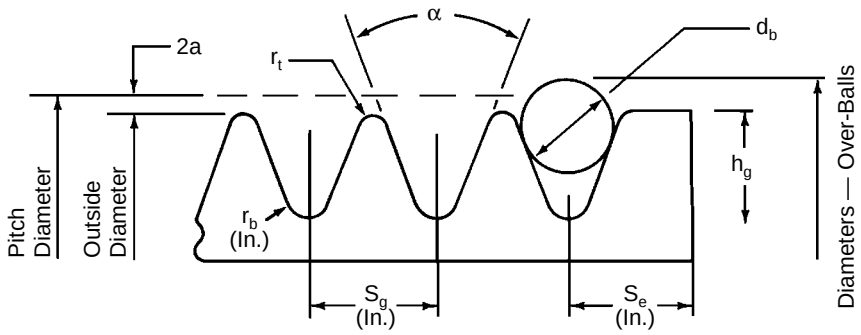
Micro-V® Belt Sheave Specifications

Sheave Groove Dimensions



Where: Face Width = S_g (Ng - 1) + 2S_e
Ng = Number of grooves

Table No. 81 Sheave Groove Dimension

Cross Section	Minimum Recommended Outside Diameter (In.)	α Groove Angle (± 0.25) (°)	S_g* (In.)	r_t + 0.005 - 0.000 (In.)	a (In.)	r_b (In.)	h_g Min. (In.)	d_B ± 0.0005 (In.)	S_e (In.)
J	0.80	40	0.092 ± 0.001	0.008	0.030	0.015 + 0.000 - 0.005	0.071	0.0625	0.125 + 0.030 - 0.015
L	3.00	40	0.185 ± 0.002	0.015	0.058	0.015 + 0.000 - 0.005	0.183	0.1406	0.375 + 0.075 - 0.030
M	7.00	40	0.370 ± 0.003	0.030	0.116	0.030 + 0.000 - 0.010	0.377	0.2812	0.500 + 0.100 - 0.040

*Summations of deviations from S_g for all grooves in any one sheave shall not exceed ± 0.010.

The variations in pitch diameter between the grooves in any one sheave must be within the following limits:

Up through 2.9" outside diameter and up through 6 grooves (Add 0.0001" for each additional groove) . . . . . 0.002"
Over 2.9" to and including 19.9" and up through 10 grooves (Add 0.0002" for each additional groove) . . . . . 0.0005"
Over 19.9" and up through 10 grooves (Add 0.0005" for each additional groove) . . . . . 0.0100"

This variation can be easily obtained by measuring the distance across two measuring balls or rods placed in the grooves diametrically opposite each other. Comparing this "diameter-over-balls or -rods" measurement between grooves will give the variation in pitch diameter.

Other Sheave Tolerances

Outside Diameter
Up through 2.9" outside diameter . . . . . ± 0.010"
Over 2.9" to and including 8.0" outside diameter . . . . . ± 0.020"
For each additional inch of outside diameter over 8", add . . . . . ± 0.0025"

Radial Runout**
Up through 2.9" outside diameter . . . . . 0.005"
Over 2.9" to and including 10.0" outside diameter . . . . . 0.010"
For each additional inch of outside diameter over 10.0", add . . . . . 0.0005"

Axial Runout**
0.001" per inch of outside diameter

**Total Indicator Reading

Engineering Information

Drive Design — To design a multiple V-belt drive, follow the procedure outlined in this manual — but base all calculations on minimum pitch diameter of Variable Pitch Sheave to assure ample horsepower ratings.

Speed Adjustments — Speed adjustments are made only WHILE DRIVE IS STOPPED. Obtain desired pitch diameter by:

1. Releasing tension on belts by moving motor base or idler.
2. Loosen locking set screw in adjusting nut retainer.
3. Turn adjusting nut with spanner wrench or bar to desired position and tighten locking screw in retainer.
4. Adjust belt tension.

Alignment — Make sure driveR and driveN shafts are parallel. Set Variable Pitch sheave at mean pitch diameter. Line up Variable Pitch Sheave and Companion Sheave so that belts are at right angles to both shafts.

Belt Tension — To maintain tension for best operation when pitch diameter of Variable Pitch Sheave is changed, use adjustable motor base. If idler is used, it should be applied to inner side of belts on slackside of drive.

Companion Sheaves — If your variable speed V-belt drive uses one Variable Pitch Sheave only, you may use a constant pitch grooved sheave for the other wheel of your drive.

NOTE

Stationary Control Variable Pitch Drive hardware is **not** available from Gates. The engineering information is provided to aid in belt drive design only.

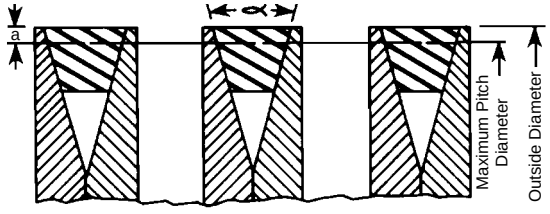
How to Design Drives Using Stationary Control Variable Pitch Sheaves

The following procedure was adapted for Gates Power Transmission Products from RMA (Rubber Manufacturers Association) Bulletin Number IP-3-14, approved in 1987.

Operating Principles

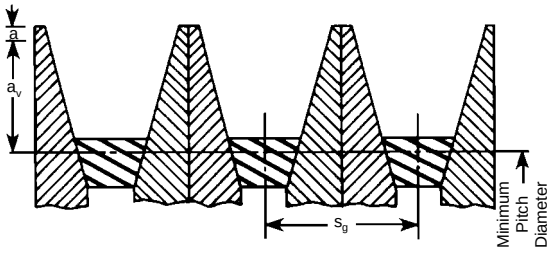
Variable pitch drives are used where the speed ratio must be changed or adjusted. A variable pitch drive normally uses one fixed pitch sheave in conjunction with a variable pitch sheave. The speed ratio capability may be doubled by using variable pitch sheaves on both the driveR and driveN shafts.

A variable pitch sheave has movable discs that allow the sheave grooves to open or close. By changing the groove width, the radial belt position is adjusted or changed causing a speed variation. Figure Nos. 8 and 9 illustrate this concept. The belt movement is indicated by the dimension a_v. Disc movement to make a complete pitch diameter change is normally indicated in terms of "range of pitch diameters."



Variable Pitch Sheave (Closed)

Figure No. 8



Variable Pitch Sheave (Open)

Figure No. 9

As the name implies, Stationary Control Variable Pitch Sheaves are not adjustable when running. The Stationary Control Model is designed for use where the machine can be shut down for speed changes. Tension on the belts must be removed, so the disc position may be adjusted for speed change. Where more frequent speed changes are required, or where changes must be made with the machine running, the Motion Control Model is available. The pitch diameter of the Motion Control sheave can be adjusted at any time, with the machine running.

Motion Control Variable Pitch Sheaves are available by special order. For further information on Motion Control Variable Pitch Sheaves, contact your local Gates representative.

Drive Design Procedure

Selection and drive design of Stationary Control Variable Pitch drives closely follows procedures used for conventional fixed ratio drives. For more detailed information on selecting Service Factor, proper V-Belt Section, and checking minimum recommended sheave diameters for electric motors, refer to Pages 14 through 19 of this manual.

Before selecting a drive, you need to know the following four things:

1. The type of application or machine.
2. The horsepower and speed (RPM) of the driveR.
3. The speed range (RPM) of the driveN machine or required speed ratio.
4. The approximate center distance required.

Step 1 Select the Design Horsepower

A. Select the appropriate service factor from Table No. 2 on Page 14.

B. Design Horsepower = (Service Factor) x (Horsepower Required)

Step 2 Select the Proper V-Belt Section

A. Stationary Control Variable Pitch sheaves are available for use with A, B and C Section HiPower® II, and AX, BX and CX Tri-Power® Molded Notch V-belts. Only these section V-Belts should be used with Gates Stationary Control Variable Sheaves. PowerBand Belts should never be used with Variable Pitch Sheaves.

B. Use Figure No. 2 on Page 15 to choose the cross section best suited for the application.

C. The Tri-Power belts may be used to take advantage of the higher horsepower ratings. However, the more aggressive cut edge and molded notches could cause some belt instability or vibration unless particular attention is given to drive alignment. To minimize vibration problems with Tri-Power belts on Stationary Control Variable Pitch drives, standard stock Gates Companion Sheaves should always be used to help obtain the best possible drive alignment.

Step 3 Choose the Sheave Diameters

A. After selecting either a large or small sheave diameter, determine the minimum acceptable pitch diameter for the belt cross section (Example: see Table No. 60 on Page 221). If the prime mover is an electric motor, also use the Tables on Page 19 to make sure the sheave selection is equal to or larger than NEMA recommendation. (Be sure to use the minimum pitch diameter for the Variable Pitch Sheave so that the sheave cannot be adjusted below NEMA the minimum recommended diameter when it's installed on the equipment.)

B. The Variable Pitch Sheave can be on either the driveR or driveN shafts. However, the best practice is to install the Variable Pitch Sheave on the faster shaft, since this permits the widest speed range possible.

C. Use the formulas listed in Table A on Page 245 to determine the other sheave diameter.

D. Select the closest stock sheaves to meet the requirement determined above. Check the speed range, using pitch diameters.

E. Companion sheaves are designed with special spacing between the grooves. The special spacing accommodates the Variable Pitch Sheave spacing so that belt misalignment is limited. Standard Gates HiPower® II Sheaves may also be used as a fixed pitch sheaves, if the offset, as shown in Figure No. 10 on Page 245 does not exceed two (2) degrees. The angle of offset (g) can be calculated using the following formula:

$$g = \tan^{-1}\left(\frac{F_a - F_t}{2t}\right)$$

where: F_a = adjustable sheave overall face width at minimum pitch diameter
F_t = fixed sheave overall face width
t = span length between sheaves

How to Design Drives Using Gates
Stationary Control Variable Pitch Sheaves—continued

As shown in Figure Nos. 10 and 11, the formula is based on the center belt being aligned with the variable pitch sheave at its median pitch diameter. If an even number of belts is being used, it is based on the two center belts. To obtain maximum belt performance and service life, misalignment should not exceed ½°.

When using Gates Vulcomount Sheaves, every groove may be used as shown in Figure No. 10. Or, to reduce (g), as shown in Figure No. 11, every other sheave groove may be used.

A flat pulley (no-grooves) may also be used as a fixed pitch sheave. However, be sure the pulley is wide enough to allow for the total axial belt movement as speed is changed. Also, be sure to review the procedures for V-Flat Drives starting on Page 250.

Table A

Given:	Fixed DriveR (D_F)	Variable DriveN (D_{VP} ave)
Determine:		
Variable DriveN (D_{VP} ave)	$= \frac{(D_F)(DR\ rpm)}{(DN\ rpm\ ave)}$	
Fixed DriveR (D_F)		$= \frac{(D_{VP}\ ave)(DN\ rpm\ ave)}{(DR\ rpm)}$
Given:	**Fixed DriveN (D_F)**	**Variable DriveR (D_{VP} ave)**
Determine:		
Variable DriveR (D_{VP} ave)	$= \frac{(D_F)(DN\ rpm\ ave)}{(DR\ rpm)}$	
Fixed DriveN (D_F)		$= \frac{(D_{VP}\ ave)(DR\ rpm)}{(DN\ rpm\ ave)}$

Where: D_F = pitch diameter, fixed pitch sheave, inches or millimeters

D_{VP} ave = median pitch diameter, variable pitch sheave, inches or millimeters

DN rpm ave = median rpm for driveN sheave

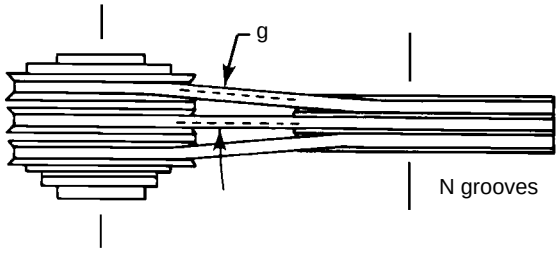


Figure No. 10

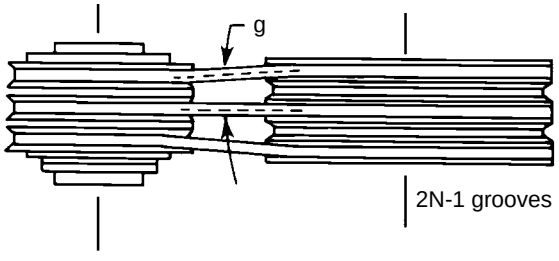


Figure No. 11

F. As noted throughout the Stationary Stock Control Variable Pitch Sheave Tables, as well as all Gates Sheaves, are limited to 6,500 feet per minute rim speed. Rim speed may be calculated using the following formula:

$$\text{Rim Speed (FPM)} = \frac{(\text{Sheave Outside Dia., inches}) \times (\text{Max. RPM})}{3.82}$$

Step 4 Select the Center Distance and Belt Size

A. The center distance should be selected to allow for the best possible belt alignment, as noted above. By using Formula Nos. 4 or 5 on Page 205, either center distance or belt length can be calculated. Standard belt pitch lengths should be selected from the Size Tables on Pages 6 through 13.

Step 5 Find the Number of Belts Required

A. Find the basic horsepower rating for the small sheave and RPM of the faster shaft starting in Table No. 18 on Page 126 through Table No. 23 on Page 131. If the Variable Pitch Sheave is the small sheave, use its minimum diameter. Add the "Additional Horsepower for Speed Ratio" from the right side of the tables to the basic rating to get the rated horsepower per belt.

B. Calculate (Dd)/C and find Factor Kϕ in Table No. 48 on Page 205.

C. Find the length correction factor for the belt length chosen listed in Table Nos. 50 or 51 on Page 206 or 207.

D. Multiply the rated horsepower per belt by Factor Kϕ and the length correction factor to obtain the horsepower per belt.

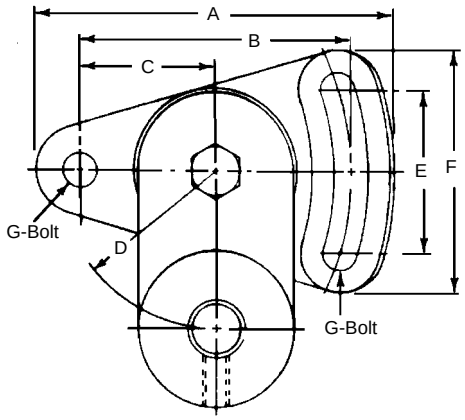
E. Divide the design horsepower by the horsepower per belt to find the number of belts required. Always round fractions to the next larger whole number of belts.

Step 6 Installation and Takeup Allowances

A. Calculate the center distance at the maximum diameter of the Variable Pitch Sheave to obtain the shortest possible center distance. Table No. 39 on Page 193, lists Minimum Center Distance Allowance for Installation. Provide enough center distance adjustment for the shortest center distance minus the installation allowance, so belts may be properly installed on the drive.

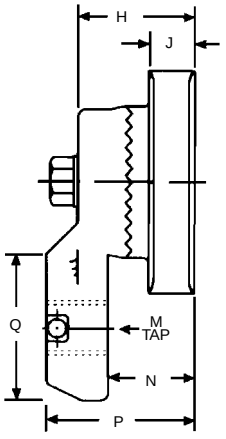
B. Calculate the center distance at the minimum diameter of the Variable Pitch Sheave to obtain the longest possible center distance. Table No. 39 lists Minimum Center Distance Allowances for initial tensioning and subsequent takeup. Adjustment should be provided to allow movement to the maximum center distance plus the appropriate takeup listed in Table No. 39, so belt tension can be maintained throughout the life of the belt.

Belt Drive Tensioners
(Double Adjustable)



Specifications

Tensioner Prod. No.	A (In.)	B (In.)	C (In.)	D (In.)	E (In.)	F (In.)	G (In.)	Weight (Lbs.)
7720-1010	4 5/8	3 1/2	1 3/4	2	2 1/16	3 1/16	3/8	2.7
7720-1020	6 15/16	5 1/4	2 5/8	5	3	4 9/16	5/8	10.8



Specifications

Tensioner Prod. No.	H (In.)	J (In.)	M (Threads)	N (In.)	P (In.)	Q (In.)
7720-1010	1 1/2	9/16	3/4-16	1	1 7/8	1 3/4
7720-1020	2 3/8	1	1-14	1 5/8	2 15/16	2 3/4

Use of Idlers

Idlers are either grooved sheaves or flat pulleys which do not transmit power. They are used in V-belt drives to:

Provide takeup for fixed center drives
Clear obstructions
Turn corners (as in mule pulley drives)
Break up long spans where belt whip may be a problem
Maintain tension, as when the idler is spring-loaded or weighted
Increase arc of contact on critically-loaded sheaves
Clutch certain types of drives

An idler always imposes additional bending stresses on the belts, so if the above drive needs can be accomplished by other means, it is usually best to do so. For example, it is almost always more economical in the long run to provide takeup by movement of either the driveR or driveN shaft than by inserting an idler. If idlers must be used, there are certain principles you should follow to obtain the best possible drive. The important design considerations are:

Placement In Drive	**Center Distance, Belt Length, Installation and Takeup**
Flat or Grooved	
Diameter	**Corrections for Horsepower Rating**

Placement of Idlers in the Drive

Inside or Outside. Idlers may be placed either inside or outside the drive, as shown in Figure Nos. 12 and 13.

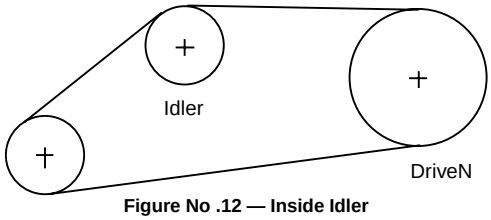


Figure No .12 — Inside Idler

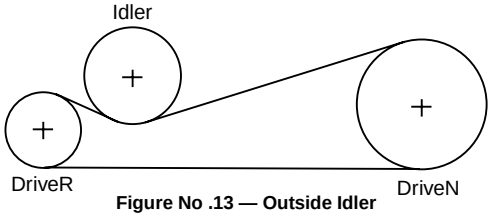


Figure No .13 — Outside Idler

An inside idler decreases the arc of contact on the adjacent sheaves. An outside idler increases the arc of contact on these sheaves. Either may be used, but an outside idler must be larger, as discussed below. If you are using the idler for takeup purposes, you should remember that the amount of takeup obtained by an outside idler is limited by the belt span on the opposite side of the drive.

Outside idlers are always flat pulleys, since they contact the top of the V-belts. Inside idlers can be either grooved or flat for Hi-Power® II V-belts but are always grooved for the proper V-belt section when using Super HC® or Tri-Power® Molded Notch V-belts. Inside flat idlers can be used for drives using PowerBand® Belts.

Tight or Slack Spans. Figure Nos. 14 and 15 show an idler placed on the tightside and slackside of a drive.

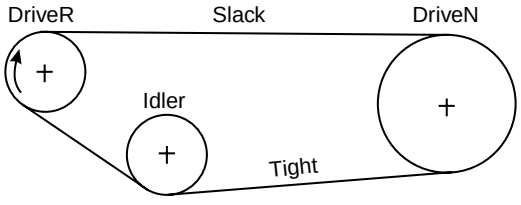


Figure No .14 — Tightside Idler

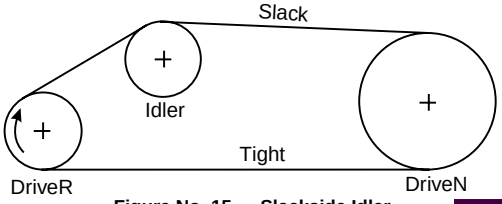


Figure No .15 — Slackside Idler

Idlers should be placed, if at all possible, on the slackside of a drive, rather than on the tightside.

Spring-loaded, or weighted idlers should always be located on the slackside because the spring force, or weight, can be much less in this position. Also, spring-loaded or weighted idlers should not be used on a drive where the load can be reversed (i.e., where the slackside can become the tightside). You should contact your local Gates representative for help in determining the force which a spring-loaded or weighted idler must impose on the belts. The Idler force must be such that resultant belt tension in the span over the idler is equal to the span operating tension calculated from the bearing load section of this manual. A vector analysis is used to correct idler force.

In the Span. A **grooved** inside Idler may be located at any point in the span, but preferably so that it results in nearly equal arcs of contact on the two adjacent sheaves. See Figure No. 16. (If the drive is a V-flat drive, the grooved inside idler should preferably be located so that it results in nearly equal Factor Kϕ's on the two adjacent sheaves, regardless of arc of contact. See the V-Flat Section on Page 250.)

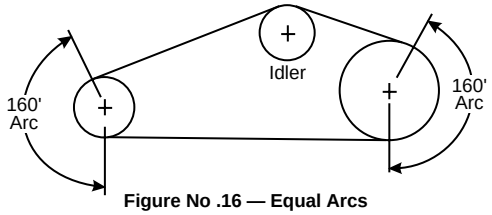


Figure No .16 — Equal Arcs

A flat idler pulley, whether it is inside (PowerBand or Hi-Power II V-Belts only) or outside, should be located as far away as is practical from the next sheave the belts are entering (in the direction the belt is traveling). This is because V-belts move back and forth slightly on a flat pulley, and locating it away from the next sheave minimizes the possibility of the belts entering that sheave in a misaligned condition. See Figure No. 17.

In certain applications that have long belt spans and moderate shock loading, belt whip may occur. If this happens, belt whip can be minimized by breaking up the long belt spans with contact idlers.

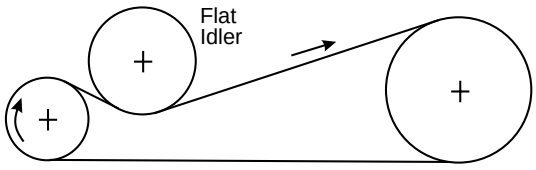


Figure No .17 — Locating Flat Idler

Table No. 82

Minimum Backside Flat Diameter

Belt Cross Section	Min. O.D. Of Outside Or Backside Idler (In.)
J L M	1.25 4.50 10.50
3V 5V 8V	4.25 10.00 17.50
A B C D	4.25 6.00 8.50 13.50
5M 7M 11M	2.9 4.9 6.4

*For Molded Notch belts, contact Gates Product Application.

Backside idlers should be at least ⅓ larger than the smallest sheave that transmits power, but never less than the diameters listed in Table No. 82.

Use of Idlers — continued

Design of Idler Drives

The following procedure is used in the design of drives with idlers:

Step 1 Find the service factor and design horsepower, and select the V-belt cross section and driveR-driveN sheaves to be used for your drive in the regular manner as shown on Page 211. You will ordinarily know the required center distance between driveR and driveN shafts.

Step 2 Using the above idler rules, select the diameter and placement of the idler(s) you will use in the drive.

Step 3 Find a first-trial belt length by using the center distance and diameters of the driveR and driveN sheaves by the procedure given on Page 205.

Formula No. 11

$$\text{Belt Length} = 2C + 1.57\,(D + d) + \frac{(D-d)^2}{4C}$$

Step 4 Find the appropriate installation allowance for this first-trial belt length, from Table Nos. 38, 39, 40 or 41 on Pages 193 and 194. Multiply this value by 2, since table values are on a center distance basis. Add this to the trial length. This usually results in a nonstandard belt length, so select the next larger **standard belt length** as the length for the drive.

Step 5 Subtract twice the installation allowance from the standard length to get the **minimum length.**

Step 6 Add twice the takeup allowance (also from Table Nos. 38, 39, 40 or 41 on Page 193 and 194) to the selected standard length to find the **maximum length** for takeup.

You now have three lengths — the selected **standard length,** the **minimum length** (for installation) and the **maximum length** (for takeup).

Step 7 Lay out the drive to scale using the selected diameters and centers. Use the idler position that will give the selected standard length. This requires some trial and error, placing the idler in various positions to see if the correct length is obtained.

Belt length on a layout can be determined by two methods. Using a map measure is one. Simply run the map measure around the line indicating the belt length. The other is to measure all the **span lengths** and add them to the **arc lengths** (the length of belt on the sheaves). Measure each arc of contact (wrap) with a protractor and calculate each arc length by:

Formula No. 12

$$\text{Arc Length} = \frac{\pi}{360} \times \text{Arc of Contact} \times \text{Diameter of Sheave}$$

Note: $\pi = 3.14$

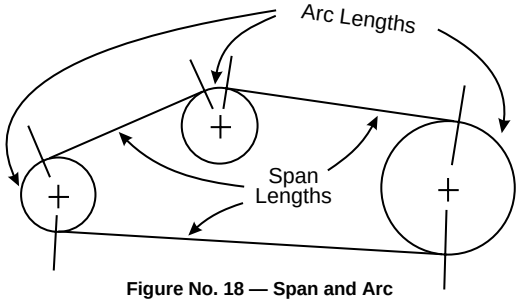


Figure No. 18 — Span and Arc

Step 8 Then place the idler in the positions required to get the minimum and maximum lengths, again by the trial and error layout method. This step insures that you can actually get the idler movement necessary for installation and takeup. Be sure to provide the idler movement indicated when the bracketry is designed. Measure each arc of contact.

Step 9 Using the smallest arc of contact measured in Steps 7 and 8, find the appropriate Factor Kϕ for each loaded sheave or pulley, using Table No. 83 below.

*Table No. 83

Factor Kϕ

Arc of Contact	Factor Kϕ	
	V Sheave	Flat Pulley
320	1.18	1.00
300	1.16	0.98
280	1.15	0.95
260	1.13	0.92
240	1.10	0.88
220	1.08	0.84
200	1.04	0.80
180	1.00	0.75

Arc of Contact	Factor Kϕ	
	V Sheave	Flat Pulley
160	0.95	0.69
140	0.89	0.64
120	0.82	0.57
100	0.74	0.50
80	0.64	0.42
60	0.52	0.33
40	0.38	0.23
20	0.20	0.12

*Use this table only for drives with idlers. For drives without idlers, refer to Table No. 48 on Page 205 for V-V drives; and to Table No. 89 on Page 251 for V-Flat drives.

Table No. 84

Micro-V® Belt Arc of Contact Correction Factor Kϕ

Degrees	Arc Correction Factor Kϕ	Degrees	Arc Correction Factor Kϕ
230	1.11	160	.94
220	1.09	150	.91
210	1.07	140	.88
200	1.05	130	.84
190	1.02	120	.80
180	1.00	110	.76
170	.97	100	.72

Step 10 Find the rated horsepower per belt, using the smallest diameter loaded sheave in the drive, from Table Nos. 9 through 13 on Pages 70 through 74, or Table Nos. 18 through 24 on Pages 126 through 132. Find the belt length correction factor from Tables 49 through 53 on Pages 206 and 207 using the standard belt length selected. Multiply the rated horsepower by the belt length correction factor and Factor Kϕ.

Then apply the following idler correction factor in Table No. 85 below to the corrected horsepower to account for the additional bending stresses imposed on the belts by the idler(s). **NOTE:** Static tension can be calculated by using the procedure on Page 214.

Table No. 85

Idler Correction Factor

No. of Idlers In Drive	Idler Correction Factor	No. of Idlers In Drive	Idler Correction Factor
0	1.00	2	0.86
1	0.91	3	0.81

The result is the horsepower per belt. Divide this figure into the design horsepower to obtain the number of belts required. The answer will usually contain a fraction. Use the next larger whole number of belts.

Too-small idler diameters are the most frequent cause of troubles on idler drives. If you do not use diameters as large as recommended under Idler Diameters, above, your drive will experience **short belt life,** when you use the number of belts determined in the above procedure. In this case, you should obtain a fatigue analysis and recommendations from your local Gates representative.

Drives having unusually large driveR and driveN sheaves do not always require idlers as large as recommended under Idler Diameters. In this case, obtain a fatigue analysis and recommendations from your local Gates representative.

Idler Details

Flat idlers for V-belt drives should not be crowned. Flanging of idlers, however, is good practice. If flanging is used, the inside bottom corners should not be rounded — this may cause the belts to climb off the pulley.

If your idler is to be a flat, uncrowned pulley, find the minimum **face width** required (between flanges, if flanged) by adding the face width of a grooved sheave (for the appropriate number of belts), in inches, to the amount given in Table No. 86.

Sheave face width is given in the sheave specification tables, Pages 223 through 229.

Table No. 86

Additional Width for Flat Idlers

Belt Cross Section	Amount to Add to Face Width of Grooved Sheave to Find Minimum Uncrowned Flat Pulley Face Width (In.)	Belt Cross Section	Amount to Add to Face Width of Grooved Sheave to Find Minimum Uncrowned Flat Pulley Face Width (In.)
3V	0.6	A	0.8
5V	1.0	B	1.0
8V	1.3	C	1.2
		D	1.5

Brackets for idlers should be sturdily constructed. Drive problems described as “belt stretch,” “belt instability,” “short belt life,” “belt vibration” and others, are frequently traced to flimsy idler bracketry. Such components of the drive must be designed to withstand the forces imposed by the operating belt tensions.

Idler Drive Design Example Using Super HC® V-Belts

Given:

1. A 7½ hp repulsion motor is to drive a hoist in a machine shop. Service is 8 hours daily.
2. The motor speed is 1160 rpm.
3. The desired driveN speed is 390 rpm.
4. Center distance is fixed at 23.75".
5. The best location for the idler, due to possible bracket mounting arrangements, is 13¼" from the center of the motor toward the hoist.

Comments

Step 1 Service Factor, Design Horsepower, Cross Section and Sheave Diameters

A. From Table No. 2 on Page 14, the service factor is 1.6.

B. Design horsepower = (7.5) (1.6) = 12 hp.

C. From Figure No. 1 on Page 15, the drive requires 3VX Section V-belts.

D. In Table No. 6, Pages 22 through 31, a close driveN speed listed in the 1160 rpm motor speed column is 391 rpm. From the sheave diameter columns to the right of the 391 rpm driveN speed, the stock sheaves are 4.75" O.D. and 14.0"O.D. (The driveR is larger than the minimum recommended diameter of 3.8" shown in Table No. 3 on Page 19.

Step 2 Diameter and Placement of Idler

A. Inside idler, slackside of drive.

B. 4.75" OD (inside idlers should be at least as large as the smallest loaded sheave and always grooved when using Super HC V-belts).

Step 3 Trial Length

$$\text{Belt length} = (2)(23.75) + (1.57)(4.75 + 14.0) + \frac{(14 - 4.75)^2}{(4)(23.75)} = 77.84"$$

Step 4 Belt Length

A. Installation allowance from Table No. 38 on Page 193 = 0.8". Trial length + (2) (installation allowance) = 77.84 + (2) (0.75) = 79.34".
Nearest standard length = 80.0" for 3VX800.

Minimum length = 80.0" - 1.6" = 78.4" (for installation).

Maximum length = 80.0" + 3.0" = 83.0" (for takeup).

DriveR arc of contact = 129° Kϕ = 0.86
DriveN arc of contact = 163° Kϕ = 0.96
(from Table No. 48 on Page 157).

B. From Table No. 9 on Page 70, the rated horsepower per belt = 3.93 basic horsepower + 0.16 additional horsepower for speed ratio = 4.09 hp.

C. Factor Kϕ = 0.86. Belt length correction factor = 1.04 (Table No. 49 on Page 206). Idler correction factor = 0.91 (Table No. 85 on Page 198). Horsepower per belt = (4.09) (0.86) (1.04) (0.91) = 3.3 hp.

Results

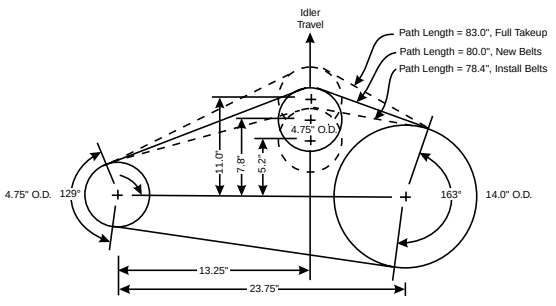
Service Factor = 1.6
Design Horsepower = 12
Belt Section = 3VX
Small sheave = 4.75" O.D.
Large sheave = 14.00" O.D.

Inside, Slackside Idler = 4.75" OD

Belt Number = 3VX800
Minimum length around drive for belt installation = 78.4"
Maximum length around drive for belt takeup = 83.0"

Smallest Factor Kϕ = 0.86

Horsepower per belt = 3.3
Number of belts = 4



V-Flat Drives

Drives which use one grooved sheave and one flat pulley are called V-flat drives. Such drives are often used in converting flat belt drives to V-belt drives. A considerable saving can often be made by using a flat pulley or flywheel already on hand as the large pulley.

Gates PowerBand® Belts are Ideally suited for V-Flat drives.

It must be remembered that Super HC® **Individual** V-belts are not recommended for V-Flat drives. The relatively small "bottoms" of the individual 3V, 5V and 8V belts can cause turnover on the flat pulley of some drives.

When The Large Pulley Can Be Flat

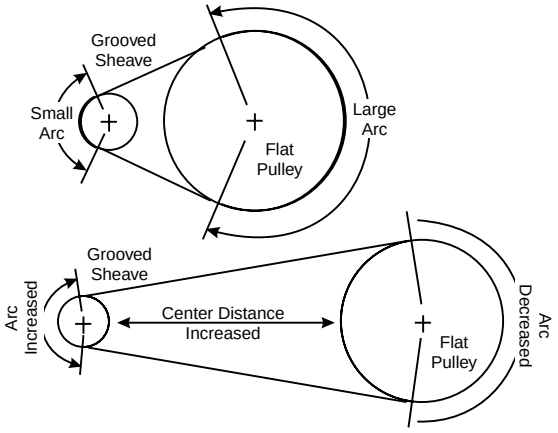


Figure No. 19—V-Flat Drives

Figure No. 19 shows two drives, each using the same size grooved small sheave and large flat pulley. In the first drive, there is very little arc of contract (wrap) on the small sheave. Sheave grooves are required to give adequate power transmission capability without the need for extremely high tension to prevent slip. However, the arc of contact on the large pulley is ample. Therefore, the large pulley can have as much pulling ability as the small sheave, even though the pulley is not grooved.

In the second drive, a longer PowerBand belt has been used, increasing the center distance. Note in Figure No. 19 that this decreases the arc of contact on the large pulley, thereby decreasing the ability of the flat pulley to transmit power without slipping. The second drive, therefore, requires more belt tension than the first drive to transmit the same load without the belt slipping.

The arc of contact on the flat pulley determines whether or not a V-flat drive is practical. Figure No. 19 shows that arc of contact of the belts on the sheave and pulley depends on the relative sheave and pulley diameters and the center distance. In fact, the arc of contact is proportional to the ratio:

Formula No. 13

$$\frac{D - d}{C}$$

Where: D = effective outside diameter of the large, flat pulley, inches
d = outside diameter of the small sheave, inches
C = center distance of drive, inches

Effective outside diameter of the large, flat pulley is obtained by adding the appropriate value from Table No. 87.

Whenever the ratio $\frac{D - d}{C}$ is 0.5 or over, the large pulley or flywheel need not be grooved. The best results are obtained when this ratio is between 0.8 and 0.9. A V-Flat drive requires more tension than a V-V drive to keep it from slipping on the flat pulley if the ratio $\frac{D - d}{C}$ is less than 0.85, but tension is still less than for a flat belt drive.

Table No. 87

Amount to Add to the Outside Diameter of a Flat Pulley to Obtain the Effective Outside Diameter

PowerBand Cross Section Only (In.)			
3V	5V	8V	
0.50	0.93	1.61	
V-Belt and PowerBand Cross Section (In.)			
A	B	C	D
0.63	0.81	1.06	1.50

Flat Pulley Requirements

Width and Crown

In addition to the flat pulley diameter, you will need to know two other things about the pulley:

1. Face Width (width of the rim)
2. Crown

(Crown is defined as the difference between the diameter at the center and at the edge of a pulley. It is usually expressed as the crown per unit of face width.) If you do not know the face width of a pulley on hand, measure it with a rule or a tape measure and jot down the width.

Check the amount of crown on the pulley with a straightedge as shown in Figure No. 20. No crown is preferred, but some crown can be tolerated if it does not exceed $\frac{1}{8}$" per foot of face width. To calculate the amount of crown per foot of face width, measure F and C (in inches) as shown in Figure No. 20.

Formula No. 14

$$\text{Inches of crown per foot of face width} = \frac{12\ C}{F}$$

The pulley should not be used in a V-flat drive if this value exceeds $\frac{1}{8}$".

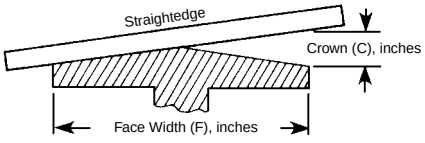


Figure No. 20—Measuring Pulley Crown

Flat Pulley Construction

Since V-flat drives are usually capable of transmitting greater loads than the flat belt drives which they replace, some consideration must be given to the strength of the flat pulley. If you are replacing a flat belt drive and using the flat pulley which is already on the driveN machine you know that the pulley is strong enough to transmit the required load.

If you are using a flat pulley on a drive other than the one for which it was originally intended, check its construction for strength.

Design of V-Flat Drives

Besides the required data for a flat pulley on hand as discussed above, you need to know only four things before designing a V-Flat drive:

1. The type of application, machine, or work being done.
2. The horsepower rating and speed (RPM) of the driveR.
3. The speed (RPM) of the driveN machine or the required speed ratio.
4. The approximate center distance required.

Step 1 Find the Design Horsepower
See Step 1, Page 201.

Step 2 **Select the Proper V-Belt Section**
See Step 2, Page 202.

Step 3 **Find the Desired Speed Ratio**
See Step 3, Page 202.

Step 4 **Choose the Sheave Diameters**
A. Find the pitch diameter of the large flat pulley by **adding** the correct value from the Table No. 88 to the outside diameter of the pulley.

Table No. 88

Amount to Add to the Outside Diameter to Find the Pitch Diameter of a Flat Pulley

PowerBand Cross Section Only (In.)			
3V	5V	8V	
0.45	0.83	1.41	
V-Belt and PowerBand Cross Section (In.)			
A	B	C	D
0.63	0.81	1.06	1.50

Click Here for Single Page View

Design of V-Flat Drives — continued

Step 4

B. Divide the pitch diameter of the flat pulley by the desired speed ratio to get the required **small sheave pitch diameter.**

C. Convert pitch diameter to datum or outside diameter using Table No. 45 on Page 204 then turn to Table No. 43 and 44 on Pages 202 and 203, and see if the calculated small sheave diameter is as large or larger than the smallest outside diameter shown for your belt section. If so, proceed with the next step.

If your calculated small sheave diameter is smaller than the minimum shown in Table No. 43 or 44, it is smaller than recommended for the belt section considered. Change to the **next smaller** belt section, and go back to Step 4, A.

> **NOTE:** If your small sheave diameter is still smaller than listed for the next smaller cross section, see your local Gates representative.

D. Select a stock diameter sheave from Table No. 43 and 44, nearest to your calculated diameter. Find the actual speed ratio by dividing the large pitch diameter. Calculate the driveN speed by dividing the driveR speed by the actual speed ratio (multiply if it is a speedup drive).

If the calculated driveN speed is near enough to the desired speed, use the stock small sheave diameter. Otherwise, you will have to order a nonstock diameter equal to the diameter you calculated in Step 4, B, above.

E. Check rim speed (see Page 204). If rim speed exceeds 6500 feet per minute, see your local Gates representative. Special sheaves and pulleys may be required.

Step 5 Select the Center Distance and V-Belt Number

You probably already know the desired center distance for your drive. However, remember that $\frac{D-d}{C}$ for a V-Flat drive should be at least 0.5, and ideally it should be 0.8 to 0.9. Since you already know D - d for your drive, you can calculate an ideal center distance as shown below and compare this with the desired center distance.

A. Find the **ideal center distance,** C, by dividing the diameter difference (D - d) by 0.85.

Formula No. 15

$$\text{Ideal } C = \frac{D-d}{0.85}$$

If you desire more or less than the ideal center distance, adjust the center distance, accordingly. However, if $\frac{D-d}{C}$ must be less than 0.5, it is usually more economical to design a regular V-V drive.

> **NOTE:** When the difference between the large and small diameters is not great, it may not be possible to achieve the ideal $\frac{D-d}{C}$ ratio, even if the shortest possible center is used.
>
> Proceed with the design anyway, as long as $\frac{D-d}{C}$ is 0.5 or greater.
>
> The shortest center distance possible is equal to ½ (large pulley O.D. + small sheave O.D.) plus installation allowance. Installation allowances are given in Table Nos. 38 or 39 on Page 145.

B. Using the tentative center distance, calculate a tentative belt length, a **final belt length,** and a final **center distance** as in Step 5 on Page 157.

Step 6 Find the Recommended Installation and Takeup Requirements from Table Nos. 38, 39, 40 or 41 on Pages 193 and 194.

Follow the procedure in Step 6 on Page 205, but be sure to use arc correction Factor Kϕ for V-flat drives from Table No. 89. If your drive is to use an idler, use Factor Kϕ from Table No. 83 on Page 248.

*Table No. 89

Factor Kϕ, V-Flat Drives

$\frac{D-d}{C}$	Arc of Contact on Small Sheave (°)	Factor Kϕ
0.00	180	0.75
0.10	174	0.76
0.20	169	0.78
0.30	163	0.79
0.40	157	0.80
0.50	151	0.81
0.60	145	0.83
0.70	139	0.84
0.80	133	0.85
0.90	127	0.85
1.00	120	0.82
1.10	113	0.80
1.20	106	0.77
1.30	99	0.73
1.40	91	0.70
1.50	83	0.65

*Use this table for V-Flat drives **without** idlers. For drives with idlers, see Use of Idlers Section, starting on Page 247, and refer to Table No. 83 for the correct Factor Kϕ.

Step 7 Check Pulley Crown

See flat pulley requirements at the beginning of this section.

Step 8 Width of Flat Pulley

The Minimum **face width** that the large pulley or flywheel should have is the sum of the approximate face width of the small grooved sheave, as shown in Table No. 90, and the amount listed in Table No. 91 according to the center distance of your drive. If the pulley is crowned, be sure to see the footnote immediately under Table No. 92 on Page 253.

Table No. 90

Approximate Face Widths of Sheaves with Standard Groove Spacing (In.)

V-Belt Section	Number of Grooves										For Each Additional Groove, Add
	1	2	3	4	5	6	7	8	9	10	
3V	0.7	1.1	1.5	1.9	2.3	2.7	3.1	3.5	3.9	4.3	0.4
5V	1.0	1.7	2.4	3.1	3.7	4.4	5.1	5.8	6.5	7.2	0.7
8V	1.5	2.6	3.7	4.9	6.0	7.1	8.2	9.4	10.5	11.6	1.1
A*	0.8	1.4	2.0	2.6	3.2	3.9	4.5	5.1	5.8	6.4	0.6
B	1.0	1.8	2.5	3.2	4.0	4.8	5.5	6.2	7.0	7.8	0.8
C	1.4	2.4	3.4	4.4	5.4	6.4	7.4	8.4	9.4	10.4	1.0
D	1.8	3.2	4.6	6.1	7.5	8.9	10.4	11.8	13.2	14.7	1.4

Face width of MultiDuty Sheaves is that given for B Section V-belts.

Table No. 91

Amount to be Added to Approximate Face Width of Grooved Sheave to Find the Face Width Required for the Flat Pulley*

Center Distance (In.)	Amount To Add (In.)
Less than 20	0.8
20 – 30	1.0
30 – 40	1.3
40 – 50	1.6
50 – 70	2.0
70 – 90	2.5
90 and Over	3.0

* If your V-flat drive uses a crowned pulley, multiply the amount in this table by the service factor for the drive.

Step 9 Find the Recommended Installation and Takeup Requirements from Table Nos. 38, 39, 40 or 41 on Pages 193 and 194.

V-Flat Drive Example
Using Super HC® PowerBand® Belt

Given:

1. A 50 hp Squirrel Cage Motor is to drive a jaw crusher which has a 55" 0.D. x 12" wide flat flywheel. The flywheel is to be used as the driveN sheave. Operation will be 20 hours per day.
2. 870 rpm motor speed.
3. 220 rpm Jaw Crusher speed.
4. No limitations on center distance.

Comments

Step 1 Find the Design Horsepower

A. From Table No. 2 on Page 14, the required service factor is 1.5.
B. Design horsepower = 50 x 1.5 = 75.

Step 2 Select the Proper V-Belt Cross Section

A. From Figure No. 1 on Page 15 the best section for 870 rpm and 75 design horsepower is 5V/5VX section.

Step 3 Find the Desired Speed Ratio

A. Speed ratio = $\frac{\text{rpm faster shaft}}{\text{rpm slower shaft}} = \frac{870}{220} = 3.95$

Step 4 Choose the Sheave Diameters

A. The pitch diameter of the large flat pulley is equal to the sum of the pulley O.D. and appropriate value from Table No. 90 on Page 251 or 5.50" + 0.83" = 55.83".

B. Required small sheave pitch diameter = $\frac{55.83}{3.95} = 14.1$". Outside diameter = 14.1" + 0.1" = 14.2".

C. Closest standard sheave is 14.0" (Table No. 43 on page 154). This is larger than the minimum recommended diameter shown in Table No. 3 on Page 13, and is satisfactory. Pitch diameter = 14.0" - 0.1" = 13.9".

D. Actual speed ratio = $\frac{55.83''}{13.9''} = 4.02$

DriveN speed = $\frac{870}{4.02} = 216$ rpm, close enough.

(Motor loaded speeds are not usually exact.)

E. Check Belt Speed. (Should be less than 6500 ft./min.)

$V = \frac{14 \times 870}{3.82} = 3188$ ft./min.

Step 5 Select the Center Distance and V-Belt Number

A. Ideal center distance = $\frac{D-d}{0.85}$ (Formula No. 15 on Page 251)

D = 5.50"+ .93"= 55.93" (Table No. 87 on Page 250)

$\frac{55.93 - 14}{.85} = \frac{41.93}{.85} = 41.93''$

B. Tentative belt length, "L."

$L = 2 \times 49.3 + 1.57\ (55.93 + 14) + \frac{(55.93\ \ 14)^2}{4 \times 49.3}$

L = 98.6" + 109.8" + 8.9" = 217.3". Closest standard length = 212" (5V2120) Actual C.D. = 46.5"

C. Check $\frac{D-d}{C}$ ratio requirement for V-flat drive.

$\frac{D-d}{C} = \frac{55.93 - 14}{46.5} = \frac{41.93}{46.5} = .90$. This is in the ideal range.

Step 6 Find the Number of Belts Required

A. From Table No. 12 on Page 51, basic horsepower rating 24.1 plus 1.0 add-on for speed ratio = 24.1 + 1.0 = 25.1.

B. The correction factors are Factor Kϕ and belt length.

$\frac{D-d}{C} = \frac{55.93-14}{46.5} = .9$. From Table No. 89 on Page 251, Kϕ = 0.85.

From Table No. 49 on Page 158, belt length correction factor = 1.09.

Total correction factor = .85 x 1.09 = .93.

C. Horsepower per belt = 25.1 x .93 = 23.3.

D. $\frac{\text{Design horsepower}}{\text{Horsepowerperbelt}} = \frac{75}{23.3} = 3.2$. Use a 4 strand PowerBand Belt.

Step 7 Check Flat Pulley Crown

Step 8 Check Width of Flat Pulley

From Table No. 90 on Page 251, approximate face width of a 4 groove 5V sheave = 3.1". From Table No. 91 on Page 251, extra face width allowance for center distance = 1.6". Minimum face width = 3.1" + 1.6" = 4.7". The 12" wide flat flywheel will be satisfactory.

Step 9 Recommended Installation and Takeup Allowance

A. Refer to Table No. 38 on Page 193. For a 5V/2120 PowerBand belt, installation allowance = 2.4". Takeup allowance = 3.0".

B. Minimum Center Distance = 46.5" - 2.4" = 44.1".
Maximum Center Distance = 46.5" + 3.0" = 49.5".

Results

Service Factor = 1.5

Design Horsepower = 75

Belt Section = 5V/5VX

Desired Speed Ratio = 3.95

Large Sheave P. D. = 55.83"

Calculated
Small Sheave P. D. = 14.1"

Standard Sheave O.D. = 14.0"

Actual Speed Ratio = 4.02

DriveN Speed = 216 rpm

Belt Speed = 3188 ft./min.

Tentative C.D. = 49.3"

Use Belt No. 5V2120
Center Distance = 46.5"

Rated horsepower per belt = 25.1

Correction Factor = .93

Horsepower per belt = 23.3

Number of belts = 4 strand PowerBand, 5V/2120

Pulley O.D. is flat in this position, but must always be checked for excessive crown.

Flat Pulley width satisfactory.

Center Distance:
Minimum = 44.1"
Maximum = 49.5"

Quarter-Turn Drives

Quarter-turn drives are drives in which the driveR and driveN shafts are at right angles to each other. Such drives are commonly used from engines to vertical turbine pumps and are found on many other applications.

Eighth-turn drives are also included in the design section below, although they are used less frequently than quarter-turn drives. An eighth-turn drive is a drive in which the driveR and driveN shafts are at 45° to each other.

Designing a Quarter-Turn Drive

For Speed Ratios up to 2.50

The simplest type of quarter-turn drive may be used with speed ratios from 1.00 up to about 2.50, where either the driveR or the driveN machine is moveable for belt installation and takeup.

To design a quarter-turn or eighth-turn drive, follow the steps given in the Drive Design Section for designing an ordinary drive, keeping in mind the following special points:

1. A standard V-belt length should be chosen which will give a **minimum center distance** of:

Formula No. 16
Minimum C = 5.5 (D + W)
Where: D = the outside diameter of the large sheave.
W = the width of the band of belts, from Table No. 90.

2. On eighth-turn drives, a standard V-belt length should be chosen which will give a **minimum center distance** of:

Formula No. 17
Minimum C = 4 (D + W)

3. Factor Kϕ may be taken as 1.00 on quarter-turn and eighth-turn drives.
4. Deep grooved sheaves should always be used on quarter-turn and eighth-turn drives using individual V-belts.
5. **Standard sheaves** should be used for all **PowerBand® belt** drives.

We recommend that you have any quarter-turn or eighth-turn drives you may design checked by a Gates representative.

Table No. 92

Width of Band of Belts on Deep Grooved and Standard Sheaves (In.)

V-Belt Section	Groove Type	Number of Belts									
		1	2	3	4	5	6	7	8	9	10
3V/3VX	Deep Groove	.38	.88	1.38	1.88	2.38	2.88	3.38	3.88	4.38	4.88
	Std. Groove	.38	.79	1.19	1.60	2.00	2.41	2.82	3.22	3.63	4.03
5V/5VX	Deep Groove	.62	1.43	2.24	3.06	3.87	4.68	5.50	6.30	7.12	7.93
	Std. Groove	.62	1.31	2.00	2.68	3.37	4.06	4.75	5.44	6.12	6.81
8V	Deep Groove	1.00	2.31	3.62	4.94	6.25	7.56	8.87	10.18	11.50	12.81
	Std. Groove	1.00	2.13	3.25	4.38	5.50	6.63	7.75	8.88	10.00	11.13
A	Deep Groove	.50	1.25	2.00	2.75	3.50	4.25	5.00	5.75	6.50	7.25
	Std. Groove	.50	1.13	1.75	2.38	3.00	3.63	4.25	4.88	5.50	6.13
B	Deep Groove	.66	1.54	2.41	3.29	4.16	5.04	5.91	6.79	7.66	8.54
	Std. Groove	.66	1.41	2.16	2.91	3.66	4.41	5.16	5.91	6.66	7.41
C	Deep Groove	.88	2.13	3.38	4.63	5.88	7.13	8.38	9.63	10.88	12.13
	Std. Groove	.88	1.88	2.88	3.88	4.88	5.88	6.88	7.88	8.88	9.88
D	Deep Groove	1.25	3.00	4.75	6.50	8.25	10.00	11.75	13.50	15.25	17.00
	Std. Groove	1.25	2.69	4.13	5.56	7.00	8.44	9.88	11.32	12.75	14.19

Table No. 93

e Dimension (In.)

Center Distance (In.)	Super HC® Molded Notch	Super HC	Hi-Power® II & Tri-Power® Molded Notch
60	0.1	0.1	0.2
80	0.2	0.3	0.4
100	0.3	0.4	0.6
120	0.4	0.6	0.9
140	0.6	0.8	1.2
160	0.7	1.0	1.5
180	0.9	1.3	1.9
220	1.4	2.0	2.9
240	1.6	2.3	3.5

Designing a Quarter-Turn Drive

For Speed Ratios Greater than 2.50

For speed ratios greater than 2.50, the shortest center distance allowable with a regular quarter-turn drive is too long and an arrangement similar to the type shown in Figure No. 21 should be used. This consists of a regular quarter-turn drive, with a speed ratio of 1.00 or more but not over 2.50, between the faster speed shaft and a jackshaft; and a straight V-V drive, or V-flat drive, between the jackshaft and the slow speed shaft.

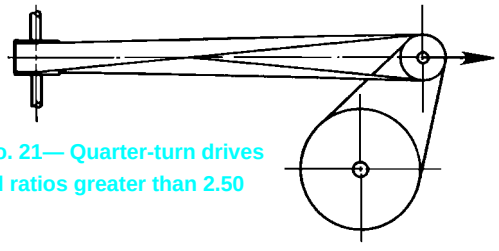


Figure No. 21— Quarter-turn drives for speed ratios greater than 2.50

Setting Up a Quarter-Turn Drive

Direction of rotation: The direction of rotation must be such that the **tightside** of the drive will be **on the bottom.**

Set a **horizontal driveR**—motor or engine—so that the bottom of the driveR sheave moves away from the driveN vertical shaft. Then place the belts on the vertical shaft to get the direction of rotation needed.

Set a **horizontal driveN** machine so that the bottom of the driveN sheave moves toward the vertical driveR shaft. Then place the belts on the vertical shaft to get the direction of rotation needed.

Aligning the Drive: Looking down on the drive, a line from the center of the vertical shaft should pass through the center of the face of the sheave on the horizontal shaft. The horizontal shaft should be at right angles to this line. See the top view in Figure No. 22.

Looking at the side of the drive, the center of the horizontal shaft should be raised a distance "e", from Table No 91 above a level line through the center of the face of the sheave on the vertical shaft. See the side view in Figure No. 22.

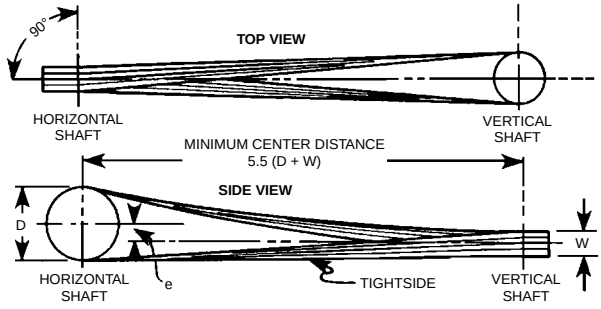


Figure No. 22 — Quarter-Turn Drive Alignment

Adjusting the Tension: You can determine the proper tension for quarter-turn drives from the procedures on Pages 162 through 166. In addition, be sure that the belts are snug before you start the drive.

Adjust the tension so that, when the drive is running under load, the middle belt on the slackside of the drive will not fall below its groove in the sheave on the vertical shaft. Tighten the belts as needed after a few hours of run-in.

Quarter Turn Drive Design Example Using Super HC® V-Belts

Given:

1. A diesel engine rated at 50 hp at 1500 rpm is to drive a turbine pump at 800 rpm.
2. The pump is to be operated continuously; it has a vertical drive shaft.
3. The center distance is not set, but a distance of at least 90" preferred.
4. A quarter-turn drive will be required to connect the engine PTO shaft to the vertical pump shaft.

Comments

Step 1 Find the Design Horsepower

A. From Table No. 2 on Page 14, the service factor to use is 1.2 (centrifugal pump).

B. Design Horsepower = Engine Horsepower (50) x Service Factor (1.2) = 60.

Step 2 Select the V-Belt Cross Section

A. Figure No. 1 on Page 15 indicates a 5V/5VX Section.

Find the Speed Ratio

A. $\frac{1500}{800} = 1.88$

B. This is less than the allowable maximum speed ratio of 2.5. A drive design is possible.

Step 3 Select The Drive

A. Refer to Step 4.B on Page 204 to determine the maximum allowable size for the driveR sheave. This is determined to be 16" O.D.

B. Refer to Page 44. Under the speed ratio column find 1.88. The sheave combination is 7.50" and 14.0".

C. Reading across on the same row find a center distance of 89.1" with 5V2120 belt (PowerBand® belt). This is the preliminary C.D.

Step 4 Find Estimated Belt Horsepower and Number of Belts

A. Basic horsepower per belt from Table No. 12 on Page 73 is 15.4 Additional horsepower for speed ratio is 1.49

B. Estimated horsepower per belt is 15.4 + 1.49 = 16.89. Factor $K\phi$ is always 1.0 on quarter-turn drives, and belt length correction factor is assumed to be 1.0 until actual length is determined.

C. Estimated Number of belts = $\frac{60}{16.89}$ 3.6 or 4 belts.

D. Width of band of belts (from Table No. 92 on Page 253) = 2.7".

E. Desired Center Distance; over 90".

F. Check center distance required. C.D. = 5.5(14 + 2.7) = 92". Refer again to Page 34, speed ratio of 1.88 sheave sizes 7.50" and 14". Closest center distance over 92" is 95.1" with belt 5V2240.

Step 5 Determine Number of Belts Required

A. From Table No. 49 on Page 206, belt length Correction factor is 1.09.

B. Horsepower per belt, correcting estimate made above, 16.89 x 1.09 = 18.4.

C. Number of belts requires $\frac{60}{18.4}$ = 3.33 or 4 belts.

Step 6 Installation and Takeup Allowance

A. From Table No. 38 on Page 193:
Installation = 2.4"
Takeup = 3.0"

Results

Service Factor = 1.2

Design Horsepower = 60

Belt Section = 5V/5VX for quarter-turn drives, use PowerBand® belts and standard sheaves, or single belts and deep groove sheaves.
Speed Ratio = 1.88

Sheave Sizes: DriveR = 7.50" O.D.
DriveN = 14.0" O.D.
Tentative C.D. = 89.1"

Estimated horsepower per belt = 16.89

Estimated Number of belts = 4

Minimum Center Distance Required = 92"

Actual Center Distance = 95.1"
Belts = 5V2240

Number of Belts = 4

Installation = 2.4"
Takeup = 3.0"

Facts About Gates PowerBand® Belts

Multiple V-Belts

Gates PowerBand Belt

What is PowerBand?

The Gates PowerBand Belt is made up of two or more strands **(standard cross section V-belts)** banded together at the top with a tieband. The strands and the tieband are vulcanized together, forming one homogenous belt.

The cross section and spacing of the individual strands are such that the PowerBand belt operates on **standard** sheaves. No special sheaves are required.

The tieband clears the top of the sheave so that each strand has full wedging in the groove, just as though it were a single belt. Therefore, the PowerBand belt operates at the same low tensions as do individual belts on an ordinary V-belt drive.

Types Available

Gates Super HC® Molded Notch PowerBand Belts
Gates Super HC PowerBand Belts
Gates HiPower® II PowerBand Belts
Predator™ Belts

Engineering Reasons for Using PowerBand

Most V-belt drives operate without trouble, requiring only routine maintenance. However, there are cases where forces acting on the drive can cause belts to whip and turn over or come off the drive. Gates research engineers designed and developed the PowerBand belt to solve these belt stability problems. Such stability problems are most frequently caused by continuous, pulsating loads on a drive, or by shock loads. Less frequent causes are prior belt damage, foreign material entering the drive or mechanical deficiencies such as misalignment of dynamic unbalance.

Internal combustion engines, air compressors, piston pumps and many other types of driveR or driveN equipment impose a periodic load variation on a drive. This variation causes a continual fluctuation in belt tension on both the tightside and slacksides of the drive. If the magnitude of the tension fluctuations is great enough to overcome the natural damping, and the frequency of the fluctuations corresponds with the natural frequency of span vibration for the belts, belt vibration can reach high amplitudes.

If the belt vibration is vertical to the groove so that the belt always enters the sheave in a straight line, the belt vibration does not cause turnover. Most vibrating belts exhibit lateral (sidewise) motion also, and this causes the belt to enter the sheave groove misaligned. The belt either turns over, or is thrown completely off the drive, often taking the other belts with it. Shock loads have the same end effect, even though they may occur at random rather than being continually present.

If lateral vibration of the belt can be prevented, stability problems can be eliminated. You have probably seen flat belts operating under pulsating loads. They vibrate vertically, but there usually is no lateral vibration. This is because the belt is extremely stiff in the lateral direction, but quite flexible in the direction of normal bending. The high degree of lateral rigidity prevents lateral vibration. For individual V-belts, the ratio of lateral to vertical rigidity is much less than for a wide flat belt. That is, they can bend sidewise much more easily and can vibrate laterally almost as easily as they can vibrate vertically.

Joining the V-belts together into a PowerBand belt increases the lateral rigidity by many times. It becomes very difficult to bend the belt sidewise and lateral vibration is eliminated. The individual strands in the PowerBand belt always enter the sheave grooves in line, and turnover or throwing of belts is eliminated.

When To Use PowerBand Belts

Gates PowerBand belts are useful for solving problems on existing equipment or as insurance in preventing problems on new equipment.

Pulsating or Shock Loads—PowerBand belt prevents belts from turning over or jumping off the drive.

Clutching Drives—PowerBand belt allows each strand to pick up its share of the load at the same time, resulting in smooth, trouble-free operation of drives which use the belts as a clutch.

Individual Belt—PowerBand belt allows you to gain all of the advantages of multiple V-belt drives, while at the same time using only one belt in cases where this is desirable.

V-Flat Drives—PowerBand belt has superior ability to stay on the flat pulley of a V-Flat drive.

See Page 214 for PowerBand Belt tensioning information

Click Here for Single Page View

Nu-T-Link* Belting

SPECIFICATIONS

Cross Section	Top Width (In.)	Product No.
00	5/16	7760-6100
0	3/8	7760-6101
A	1/2	7760-6102
B	21/32	7760-6103
C	7/8	7760-6104
D	1 1/4	7760-6105
E	1 1/2	7760-6106

Nu-T-Link belting is a high performance, spliced belting that is an excellent problem solver in the industry. The belting is made from a special orange color polymer which has excellent resistance to many chemicals that can be detrimental to rubber belts. Experience has determined that the good, smooth-running characteristics of Nu-T-Link can be beneficial to high precision applications. A Gates exclusive in the United States, Nu-T-Link belting is part of the line that also includes Supreme V-Link Belting.

Advantages

- Improved service life under adverse chemical or atmospheric conditions.
- Working temperature range: 40°F to + 212°F(40°C to + 100°C).
- High resistance in heat, steam, oil and chemical environments.
- Incorporates an easy-to-use linkage system (U.S. Pat. 078423).
- Available in all standard RMA sections.

NOTE: Do **not** use with backside idlers. Nu-T-Link does **not** meet RMA standards for Belt Static Conductivity.

*Registered trademark of Fenner Manheim.

Supreme V-Link Belting

Supreme V-Link belting is a high performance, multi-purpose product made from a composite black color polyester/polyurethane material. It offers excellent resistance to oil and heat with minimum stretch.

It is available in Sections 00 through C with color coded studs for easy identification and is supplied in 100' lengths only.

SPECIFICATIONS

Cross Section	Top Width (In.)	Product No.
00	5/16	7760-8100
0	3/8	7760-8101
A	1/2	7760-8102
B	21/32	7760-8103
C	7/8	7760-8104

Easy-Splice V-Belting

Endless V-belts should be used whenever possible because they have maximum lifeload capability and minimum stretch, resulting in minimum maintenance. However, there are some drives where it is difficult or even impossible to install endless belts. In this case spliced or link V-belting offers the best solution to the drive problem.

Gates Easy-Splice V-belting is similar in outward appearance to an endless V-belt. It is cut to the required length and spliced with a mechanical fastener. Easy-Splice is available in four standard cross sections: A-VO, B-VO, C-VO and D-VO, corresponding to the A, B, C and D standard industrial V-belt cross sections. Also double V-belting in B cross section, BB-VO, is available. Easy-Splice is used on standard V-groove sheaves.

Easy-Splice V-belting is specially constructed for splicing. Above and below the tensile member of strong pulling cords are layers of sturdy square-cut duck fabric. The cross weave of this tough fabric grips the fastener cleats securely, preventing fastener pullout that causes premature failure of other types of spliced belts.

Alligator splices are not available from Gates.

Easy-Splice is recommended when designing new drives using spliced belting.

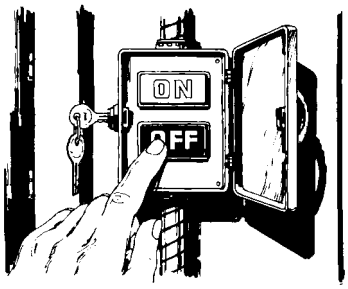
NOTE: Do not design new drives for Easy-Splice V-belting from this manual. For design of new drives or instructions for belt replacement on existing drives, refer to Gates Manual #14885.

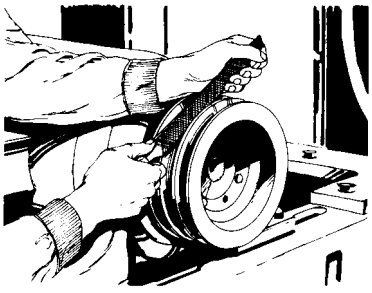
SPECIFICATIONS

Part No.	Standard Roll (Ft.)	Top Width (In.)	Max. Pieces Standard Roll	Product No.
AVO/250	250	1/2	3	9300-1002
AVO/500	500	1/2	2	9300-0002
BVO/250	250	21/32	3	9300-1003
BVO/500	500	21/32	2	9300-0003
CVO/250	250	7/8	3	9300-1004
CVO/500	500	7/8	2	9300-0004
DVO/200	200	1 1/4	2	9300-0005
BBVO/450	450	21/32	3	9300-0003
14VO/300	300	1 1/8	2	9300-1014

How To Install V-Belt Drives

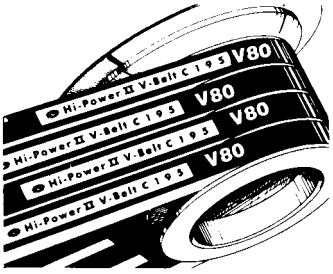
1. Make sure equipment is turned off and use warning sign so that someone else won't turn the machine on before you are ready.

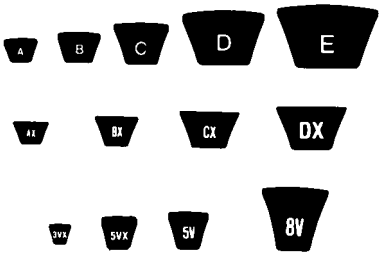




2. Inspect all drive components and check the sheaves carefully for damage, or worn grooves. If a Power-Band® belt is being installed, check groove spacing also. Clean oil and grease from sheaves and remove rust and burrs.

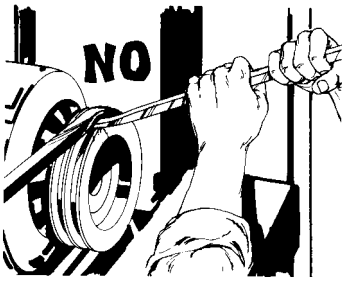
3. Always use a matched set of new belts from one manufacturer.

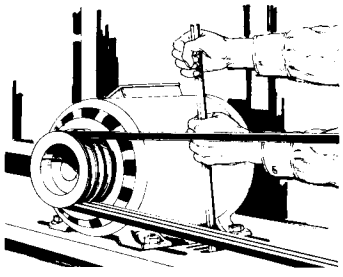




4. Make sure you use the correct cross section belt for your sheaves.

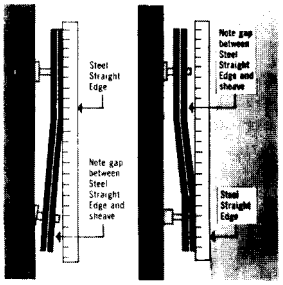
5. Slack off on take-up until belts can be placed in grooves **without forcing.**





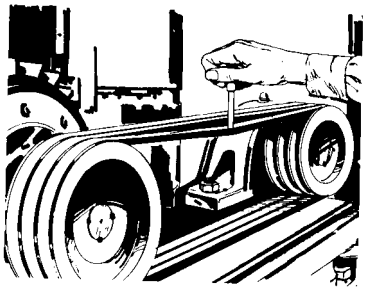
6. Adjust takeup until belts are snug.

7. Check sheave mounting and alignment.



8. Check bearings for oil.

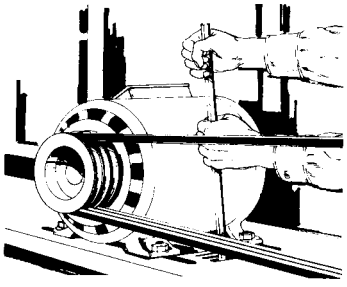
9. Tension drive properly —see Page 212.



IMPORTANT!

10. Never use belt dressing.

11. Give belts a few days running time to become seated in sheave grooves — then readjust take up.



NOTE: Store V-belts in clean, cool, dark place.

Useful Formulas

Torque

Load requirements for a drive are sometimes given in terms of torque, rather than horsepower. Torque is turning effort, expressed as pound-inches or pound-feet (sometimes shown as inch-pounds or foot-pounds). Torque can be converted directly to horsepower for drive design purposes by use of the simple equations below. Just be sure that you use the rpm of the shaft for which the torque is known.

Do not mix the torque of one shaft with the rpm of another shaft.

Formula No. 18

$$\text{Horsepower} = \frac{(\text{Torque, pound–inches})\,(\text{rpm})}{63{,}025}$$

Formula No. 19

$$\text{Horsepower} = \frac{(\text{Torque, pound–feet})\,(\text{rpm})}{5{,}252}$$

Power To or From Machinery

In the absence of accurate data on horsepower requirements for a drive, it is sometimes possible to calculate the power output from a driveR machine or the required power input to a driveN machine. In each formula below, efficiency must be known or estimated. For checking a drive which is providing power to a pump or generator, it is more conservative to estimate a low efficiency for the driveN machine. For power input to a drive from a motor or turbine, it is more conservative to estimate high efficiency for the driveR machine. Efficiency is used as a decimal in the formulas. For example, if a pump is 70% efficient, use .70 in the formula.

HYDRAULIC MACHINERY—Power required by pumps

Formula No. 20

$$\text{Horsepower} = \frac{(Q)\,(p)}{(1714)\,(\text{eff})}$$

where: Q = flow rate, gal/min
p = discharge pressure for pumps, inlet pressure for turbines, lb/sq in
eff = overall mechanical and hydraulic efficiency

Power from water wheel or turbine

Formula No. 21

$$\text{Horsepower} = \frac{(Q)\,(p)\,(\text{eff})}{1714}$$

where: Q = flow rate, gal/min
p = discharge pressure for pumps, inlet pressure for turbines, lb/sq in
eff = overall mechanical and hydraulic efficiency

A.C. MACHINERY

Formula No. 22

$$\text{Kilowatts} = \frac{(\text{volts})\,(\text{amps})\,(\text{p.f.})}{Y}$$

where: p.f. = power factor
Single Phase: Y = 1000
Three Phase: Y = 577

Power required for generator (alternator)

Formula No. 23

$$\text{Horsepower} = \frac{(\text{volts})\,(\text{amps})\,(\text{p.f.})}{(Z)\,(\text{eff})}$$

where: eff = overall mechanical and electrical efficiency
p.f. = power factor
Single Phase: Z = 746
Three Phase: Z = 431

Power from motor

Formula No. 24

$$\text{Horsepower} = \frac{(\text{volts})\,(\text{amps})\,(\text{p.f.})\,(\text{eff})}{Z}$$

where: eff = overall mechanical and electrical efficiency
p.f. = power factor
Single Phase: Z = 746
Three Phase: Z = 431

Power To or From Machinery — continued

D.C. MACHINERY

Formula No. 25

$$\text{Kilowatts} = \frac{(\text{volts})\,(\text{amps})}{1000}$$

Power required for generator

Formula No. 26

$$\text{Horsepower} = \frac{(\text{volts})\,(\text{amps})}{(746)\,(\text{eff})}$$

where: eff = overall mechanical and electrical efficiency

Power from motor

Formula No. 27

$$\text{Horsepower} = \frac{(\text{volts})\,(\text{amps})\,(\text{eff})}{746}$$

where: eff = overall mechanical and electrical efficiency

V-Belt Tension

Formula No. 28

$$T_t - T_s = 33{,}000\left(\frac{HP}{V}\right)$$

where: T_t = tightside tension, pounds
T_s = slackside tension, pounds
HP = design horsepower
V = belt speed, feet per minute

Formula No. 29

$$T_t + T_s = 33{,}000\,(2.5^{*} - K\phi)\left(\frac{HP}{K\phi V}\right)$$

where: T_t = tightside tension, pounds
T_s = slackside tension, pounds
HP = design horsepower
V = belt speed, feet per minute
$K\phi$ = arc of contact correction factor
*2.67 for Micro-V® Belts

Formula No. 30

$$T_t / T_s = \frac{1}{1 - 0.8^{*} K\phi} \quad (\text{Also, } T_t / T_s = e^{K\phi})$$

where: T_t = tightside tension, pounds
T_s = slackside tension, pounds
$K\phi$ = arc of contact correction factor
e = base of natural logarithms
K = .51230, a constant for V-belt drive design
ϕ = arc of contact in radians
*0.75 for Micro-V Belts

Formula No. 31

$$T_t = 41{,}250^{*}\left(\frac{HP}{K\phi V}\right)$$

where: T_t = tightside tension, pounds
HP = design horsepower
V = belt speed, feet per minute
$K\phi$ = arc of contact correction factor
*44,000 for Micro-V Belts

Formula No. 32

$$T_s = 33{,}000\,(1.25^{*} - K\phi)\left(\frac{HP}{K\phi V}\right)$$

where: T_s = slackside tension, pounds
HP = design horsepower
V = belt speed, feet per minute
$K\phi$ = arc of contact correction factor
*1.33 for Micro-V Belts

Formula No. 33

$$V = \frac{(PD)\,(rpm)}{3.82} = (PD)\,(rpm)\,(.262)$$

where: V = belt speed, feet per minute
PD = pitch diameter of sheave or pulley
rpm = revolutions per minute of the same sheave or pulley

Useful Formulas For Gates V-Belts and PowerBand® Belts

Horsepower Ratings

Horsepower rating for Gates V-belts and PowerBand belts can be calculated from the formula below. This formula is useful for computer work, and for calculating ratings which are out of the range of speed or diameter conditions shown in the horsepower rating tables in this manual.

The formula gives the basic horsepower rating, corrected for speed ratio. Multiply the horsepower rating from the formula by **Factor Kϕ** and the **belt length correction factor** to obtain the horsepower per belt for a specific drive.

Formula No. 34

$$Hp = dr\left[K_1 - K_2/d - K_3\,(dr)^2 - K_4 \log\,(dr)\right] + K_{SR}r$$

Where: **d = pitch diameter of the small sheave, inches**
r = rpm of the fastest shaft divided by 1000
K_{SR} = speed ratio factor listed in Table Nos. 98 through 101 on Page 261
K_1 K_2 K_3 K_1 = cross section parameters listed in Table Nos. 94 through 97 below

Table No. 94

Horsepower Formula Parameters For Super HC® Molded Notch V-Belts

Belt Type	Cross Section	K_1	K_2	K_3	K_4
Super HC Molded Notch and	3VX	1.1691	1.5295	1.5229×10^{-4}	0.15960
Super HC Molded Notch PowerBand	5VX	3.3038	7.7810	3.6432×10^{-4}	0.43343

Table No. 95

Horsepower Formula Parameters for Super HC V-Belts

Belt Type	Cross Section	K_1	K_2	K_3	K_4
Super HC and	5V	3.3140	10.123	5.8758×10^{-4}	0.46527
Super HC PowerBand	8V	8.6628	49.323	1.5804×10^{-3}	1.1669

Table No. 96

Horsepower Formula Parameters for Hi-Power® II V-Belts

Belt Type	Cross Section	K_1	K_2	K_3	K_4
Hi-Power II and Hi-Power II PowerBand	A	1.3948	2.6198	2.9043×10^{-4}	0.27041
	B	2.2149	5.8478	4.7867×10^{-4}	0.41948
	C	3.6653	13.7060	8.1326×10^{-4}	0.66836
	D	6.7891	39.3520	1.5676×10^{-3}	1.18980

Table No. 97

Horsepower Formula Parameters for Tri-Power® Molded Notch V-Belts

Belt Type	Cross Section	K_1	K_2	K_3	K_4
Tri-Power Molded Notch V-Belts	AX	1.4206	1.9869	2.2000×10^{-4}	0.40578
	BX	1.9992	3.0509	3.0994×10^{-4}	0.55186
	CX	3.2167	5.7396	5.2996×10^{-4}	0.84056

Useful Formulas For Gates V-Belts and PowerBand® Belts — continued

Table No. 98

Speed Ratio Factor For Super HC® Molded Notch V-Belts and PowerBand Belts

Speed Ratio Range	K_{SR} Values Cross Section 3VX	5VX
1.00-1.01	0.0000	0.0000
1.02-1.03	0.0157	0.0801
1.04-1.06	0.0315	0.1600
1.07-1.09	0.0471	0.2398
1.10-1.13	0.0629	0.3201
1.14-1.18	0.0786	0.4001
1.19-1.25	0.0944	0.4804
1.26-1.35	0.1101	0.5603
1.36-1.57	0.1259	0.6405
1.58 & over	0.1416	0.7202

Table No. 99

Speed Ratio Factor For Super HC V-Belts and PowerBand Belts

Speed Ratio Range	K_{SR} Values Cross Section 5V	8V
1.00-1.01	0.0000	0.0000
1.02-1.05	0.0963	0.4690
1.06-1.11	0.2623	1.2780
1.12-1.18	0.4572	2.2276
1.19-1.26	0.6223	3.0321
1.27-1.38	0.7542	3.6747
1.39-1.57	0.8833	4.3038
1.58-1.94	0.9941	4.8438
1.95-3.38	1.0830	5.2767
3.39 & over	1.1471	5.5892

Table No. 100

Speed Ratio Factor For Hi-Power® II V-Belts and PowerBand Belts

Speed Ratio Range	K_{SR} Values Cross Section A	B	C	D
1.00-1.01	0.0000	0.0000	0.0000	0.0000
1.02-1.03	0.0249	0.0556	0.1303	0.3742
1.04-1.06	0.0499	0.1113	0.2608	0.7489
1.07-1.08	0.0748	0.1670	0.3914	1.1239
1.09-1.12	0.0995	0.2222	0.5208	1.4953
1.13-1.16	0.1245	0.2779	0.6514	1.8703
1.17-1.22	0.1495	0.3336	0.7819	2.2450
1.23-1.32	0.1741	0.3887	0.9110	2.6156
1.33-1.50	0.1992	0.4447	1.0422	2.9924
1.51 & over	0.2240	0.5000	1.1719	3.3648

Table No. 101

Speed Ratio Factor For Tri-Power® Molded Notch V-Belts

Speed Ratio Range	K_{SR} Values Cross Section AX	BX	CX
1.00-1.02	0.0000	0.0000	0.0000
1.03-1.07	0.0418	0.0642	0.1208
1.08-1.13	0.0836	0.1283	0.2414
1.14-1.21	0.1253	0.1924	0.3619
1.22-1.30	0.1669	0.2563	0.4821
1.31-1.44	0.2088	0.3205	0.6030
1.45-1.64	0.2504	0.3845	0.7233
1.65-2.01	0.2922	0.4486	0.8440
2.02-3.00	0.3339	0.5127	0.9646
3.01 & over	0.3757	0.5769	1.0854

Span Length, Two Wheel Drives

Belt span length is needed for the deflection method of measuring V-belt installation tension. Span length can be measured on the drive or measured from a scale layout of the drive.

For V or V-flat drives using only two wheels (no idlers) span length can be calculated from the following formula:

Formula No. 35

$$t = C\left[1 - 0.125\left(\frac{D-d}{C}\right)^2\right]$$

where:
- **t = span length, inches**
- **C = center distance, inches**
- **D = large sheave or pulley diameter, inches**
- **d = small sheave diameter, inches**

NOTE: D and d are Outside Diameters for Super HC and Datum Diameters for Hi-Power II and Tri-Power Molded Notch V-Belts.

Flywheel Effect, WR^2

Flywheels are used on some machines; for example, air compressors, to even out load pulsations. The V-belt sheave on the machine is often used to provide the necessary flywheel effect. This eliminates the need for a separate flywheel in the system.

The manufacturer of the machine specifies the minimum flywheel effect required in cases where it is important. The amount of flywheel effect is specified in terms of WR^2 (or sometimes Wk^2, which is the same). The units of WR^2 are pound-feet^2. It is simply an indication of the weight of a wheel and the distance from the shaft centerline to the **effective** center of the weight. The heavier the wheel, the greater the flywheel effect; and the larger the wheel diameter, the greater the flywheel effect. Increased flywheel diameter contributes much more to flywheel effect than does increased weight, so where extra flywheel effect is needed it is best to use sheaves as large as space and belt speed limits permit. If more weight is needed for flywheel effect, special sheaves are available on order, priced on request. The desired amount of WR^2 should be specified.

Flywheel effect is sometimes given in units of pound-inches^2. Divide by 144 to obtain pound-feet^2.

Flywheel effect can be calculated from Formula 36:

Formula No. 36

$$WR^2 = \frac{0.1773\ F\ (D_o{}^4 - D_i{}^4)}{1000} - \frac{NY\ (D_o - Z)^3}{1000}\ \text{lb–ft}^2$$

where:
- D_o = outside diameter of rim, inches
- D_i = inside diameter of rim, inches (Table No. 102 gives the conversion from sheave outside diameter to inside diameter of the rim for standard sheaves.)
- F = face width of rim, inches (See Pages 173 through 179 for standard sheaves)
- N = number of grooves
- Y = groove constant from Table No. 102
- Z = groove constant from Table No. 102

The formula is correct to use for flat pulleys or flywheels as well as grooved sheaves. For flat wheels, the righthand term equals zero (N = 0).

Table No. 102

Sheave Data For WR^2 Calculations

Groove	Datum Diameter (In.)	Add To D.D. To Find D_o	Outside Diameter (In.)	Outside Diameter (D_o) Minus Inside Diameter (D_i) For Standard Sheaves*	Y	Z
3VX & 3V	—	—	up to 10.6 10.7 to 25.0 25.1 to 35.5	1.2 1.3 1.5	.113	.30
5VX & 5V	—	—	up to 16.0 16.1 to 28.0 28.1 to 50.0 50.1 to 75.0	1.9 2.0 2.2 2.4	.320	.50
8V	—	—	up to 22.4 22.5 to 40.0 40.1 to 53.0 53.1 to 85.0	2.9 3.1 3.3 3.4	.885	.80
A Multi-duty	All	.75	—	1.8	.377	.50
B Multi-duty	All	.35	—	1.8	.377	.50
A	All	.25	—	1.5	.238	.40
B	Up to 20.0 20.1 to 38.0	.35	—	1.7 1.9	.384	.50
C	Up to 20.0 20.1 to 36.0 36.1 to 64.0	.40	—	2.2 2.4 2.6	.696	.68
D	Up to 18.0 18.1 to 40.0 40.1 to 58.0 58.1 to 85.0	.60	—	2.8 3.0 3.2 3.4	1.280	.90

*Approximate — Do not use for construction.

Electric Motors
Frame Assignments and Minimum Sheave Diameters

The National Electric Manufacturers Association (NEMA) publishes recommendations for the minimum diameter of sheaves to be used on General Purpose electric motors. Purpose of the recommendations is to prevent the use of too small sheaves, which can result in shaft or bearing damage because belt pull goes up as sheave diameter goes down.

The NEMA Standard MG-1-14.42, November 1978 shows minimum recommended sheave diameters as a function of frame number. Table No. 82 lists the NEMA frame assignments and minimum diameter recommendations according to the 1964 rerating program.

Table No. 103

Electric Motor Frames and Minimum Diameters

Frame No.	Shaft Diameter (In.)	Horsepower at Synchronous Speed, rpm				Super HC® V-Belts & PowerBand® Belts	Hi-Power® II V-Belts & PowerBand Belts & Tri-Power® Molded Notch V-Belts
		3600 (3450)*	1800 (1750)*	1200 (1160)*	900 (870)*	Minimum Outside Diameter (In.)	Minimum Datum Diameter (In.)
143T	0.875	1½	1	¾	½	2.2	2.2
145T	0.875	2 -3	1½-2	1	¾	2.4	2.4
182T	1.125	3	3	1½	1	2.4	2.4
182T		5	—	—	—	2.4	2.6
184T	1.125	—	—	2	1½	2.4	2.4
184T		5	—	—	—	2.4	2.6
184T		7½	5	—	—	3.0	3.0
213T	1.375	7½-10	7½	3	2	3.0	3.0
215T	1.375	10	—	5	3	3.0	3.0
215T		15	10	—	—	3.8	3.8
254T	1.625	15	—	7½	5	3.8	3.8
254T		20	15	—	—	4.4	4.4
256T	1.625	20 -25	—	10	7½	4.4	4.4
256T		—	20	—	—	4.4	4.6
284T	1.875	—	—	15	10	4.4	4.6
284T		—	25	—	—	4.4	5.0
286T	1.875	—	30	20	15	5.2	5.4
324T	2.125	—	40	25	20	6.0	6.0
326T	2.125	—	50	30	25	6.8	6.8
364T	2.375	—	—	40	30	6.8	6.8
364T		—	60	—	—	7.4	7.4
365T	2.375	—	—	50	40	8.2	8.2
365T		—	75	—	—	8.6	9.0
404T	2.875	—	—	60	—	8.0	9.0
404T		—	—	—	50	8.4	9.0
404T		—	100	—	—	8.6	10.0
405T	2.875	—	—	75	60	10.0	10.0
405T		—	100	—	—	8.6	10.0
405T		—	125	—	—	10.5	11.5
444T	3.375	—	—	100	—	10.0	11.0
444T		—	—	—	75	9.5	10.5
444T		—	125	—	—	9.5	11.0
444T		—	150	—	—	10.5	—
445T	3.375	—	—	125	—	12.0	12.5
445T		—	—	—	100	12.0	12.5
445T		—	150	—	—	10.5	—
445T		—	200	—	—	13.2	—

*Approximate Full Load Speeds

For other than General Purpose AC motors (for example, DC motors, Definite Purpose motors, motors with special bearings or motors which are larger than those covered by the NEMA standard), consult the motor manufacturer for minimum sheave diameter recommendations. It is helpful to the manufacturer to include details of the application with your inquiry.

Click Here for Single Page View

Belt Pull and Bearing Loads

The V-belt drive designer is often asked to furnish data on bearing loads to the machine designer. The amount of bearing load in driveR or driveN machines caused by V-belt drives depends upon the side load (shaft load) imposed on the shaft and the bearing locations with respect to the side load. The side load is the combined load due to sheave weight and belt pull.

Sheave weight can be found from standard sheave specification tables or obtained from the sheave supplier. Belt pull can be calculated if you have the drive data. It is a function of the following variables:

1. **Horsepower Transmitted —** for the same drive, more horsepower requires more belt pull.
2. **Belt Speed —** for the same horsepower, higher belt speed (larger sheave diameters) means less belt pull.
3. **Arc of Contact —** reduced arc of contact (wrap) requires more tension to prevent slip, resulting in increased belt pull for the same horsepower load.
4. **Total Drive Installation Tension —** a V-belt drive can be either tight or loose, depending on how it is tensioned.

NOTE: Required belt pull is **independent of the number of V-belts** used on a drive. The number of belts affects only the amount of overhang from the center of belt pull to the bearings.

The designer of driveR and driveN equipment usually must calculate belt pull or ask the drive designer to furnish values of belt pull in order to properly size shafts and bearings in the machine design stage. For the routine design of a drive to fit equipment already in existence, another situation exists. It is common practice in this case for the drive designer to assume that the driveN equipment can tolerate as much belt pull as the driveR machine, and to investigate allowable belt pull only in regard to the driveR.

The driveR usually is an electric motor or an engine. For electric motors, the minimum sheave diameters recommended by NEMA or the motor manufacturer are for the purpose of limiting belt pull to acceptable amounts. The variables affecting belt pull, as listed above, are taken into account in determining the minimum sheave diameter. It is assumed that motor shafts and bearings are adequate, providing that the recommendations on sheave size are followed, and, in this case, belt pull calculations are seldom required. If the motor manufacturer is asked to approve a drive on a motor for which he has not listed minimum sheave diameters, he will sometimes request belt pull calculations.

For internal combustion engines equipped with power takeoff units, the drive designer and the machine designer should collaborate in following the recommendations of the PTO manufacturer on maximum allowable belt pull and sheave overhang. If the PTO manufacturer specifies a formula for calculating belt pull, use that formula rather than the methods shown in this manual. This is because the belt pull formulas used by some PTO manufacturers contain a multiplier which results in belt pull values that are artificially high. This provides, in effect, a service factor for the PTO. Such belt pull formulas should be used only for the unit for which they are given since they do not give a true value of belt pull.

Many handbooks, etc., show belt pull formulas, some of which give different values than those resulting from the methods shown below. This is because the handbook formulas sometimes short-cut the calculations by ignoring factors such as arc of contact correction or by assuming average values for such corrections. The methods given at top right result in accurate calculations of belt pull for drives operating at design loads and tensions. Belt tensions are based on a ratio between tightside and slackside tensions of 5:1 at 180° arc of contact, corrected for actual arc. This is standard practice in the V-belt industry. There are belt tension formulas other than those used below which are based on the same design tension ratios and which give the same results. The formulas have been selected for their ease of use. The equipment designer should recognize, however, that belts can be tensioned up to 1.5 times the design tension (see Tensioning Section, Page 212). This higher tension doesn't exist for the life of the drive, but bearings and shafts must be able to tolerate it without damage for a reasonable period of time.

Formula Nos. 37 and 38, shown on this page, are correct for Super HC® belts, Super HC PowerBand® belts, HiPower® II belts, HiPower II PowerBand belts, TriPower® Molded Notch belts and Polyflex® JB® belts. Formula Nos. 39 and 40 pertain to Micro-V® belts. Then the machine designer requests shaft load calculations from the drive designer, it is recommended that the following formulas and procedures be used:

Belt Pull Calculations

Step 1 Calculate Drive Tensions

A. Belt pull is the vector sum of T_t and T_s, the tightside and slackside tensions.

T_t and T_s may be found from these formulas:

Formula No. 37

$$T_t = 41{,}250^* \left(\frac{DHP}{K\phi V}\right)$$

***44,000 for Micro-V Belts**

Formula No. 38

$$T_S = 33{,}000\ (1.25^*K\phi)\left(\frac{DHP}{K\phi V}\right)$$

where: HP = Design horsepower
Kφ = Factor Kφ from Table 48 on Page 205.
(Use Table No. 89 on Page 251 for Vflat drives.)
V = Belt speed, feet per minute

$$V = \frac{(\text{pitch diameter, in.})\,(\text{rpm})}{3.82}$$ **(Formula No. 33 on Page 259)**

***1.33 for Micro-V Belts**

Formula No. 39

$$T_r = 44{,}000\ \frac{(DHP)}{K\varphi 2v}$$

Formula No. 40

$$T_S = 33{,}000\ (1.33\ \ K\phi)\ \frac{(DHP)}{K\phi v}$$

Step 2 Find Vector Sum of T_t and T_s

The vector sum of T_t and T_s can be found so that the direction of belt pull, as well as the magnitude, is known. This is necessary if belt pull is to be vectorially added to sheave weight, shaft weight, etc., to find true bearing loads. In this case, the easiest method of finding the belt pull vector is by graphical addition of T_t and T_s If only the magnitude of belt pull is needed, numerical methods for the vector additions are faster to use.

A. If both direction and magnitude of belt pull are required; the vector sum of T_t and T_s can be found by graphical vector addition, as shown in Figure No. 23. T_t and T_s vectors are drawn to a convenient scale, for example 1"= 100 pounds, and parallel to the tightside and slackside respectively. Figure No. 19 on Page 250 shows vector addition for belt pull on the motor shaft. The same procedures can be used for finding belt pull on the driveN shaft. This method may be used for drives using idlers.

For two-wheel drives, belt pull on the driveR and driveN shafts is equal but opposite in direction. For drives using idlers, both magnitude and direction may be different.

B. If only the magnitude of belt pull is needed, follow the steps below. Using this method only for V-V or V-flat drives with two wheels. Use the graphical method shown if the drive uses idlers.

1. Add T_t and T_s from Step 1 to find T_t and T_s (arithmetic sum).
2. Using the values of $\frac{(D-d)}{C}$ for the drive (calculate if necessary… see Page 197) find the vector sum correction factor using Figure No. 24 on Page 265.
3. Multiply T_t and T_s by the vector sum correction factor to find the true vector sum of T_t and T_s. This is the belt pull on either the driveR or the driveN shaft.

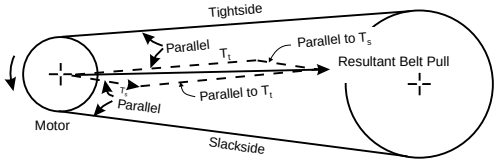


Figure No. 23
Graphical Addition of T_t and T_s

Vector Sum Correction Factor

$$\frac{D-d}{C}$$

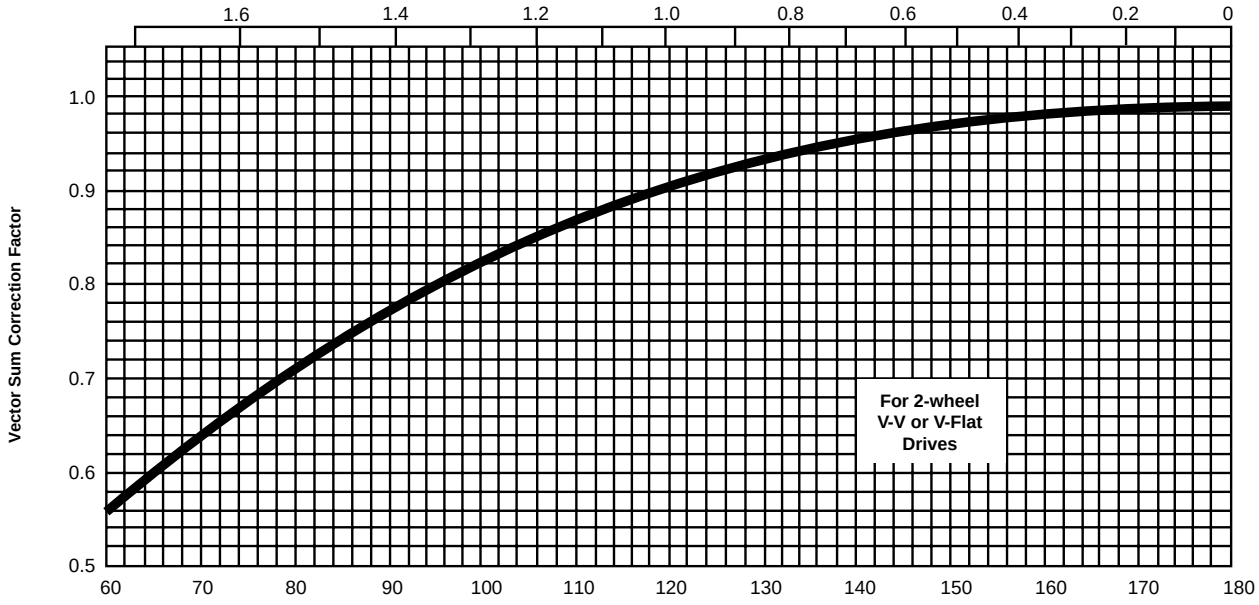


Figure No. 24

Shaft Load Calculations

If true side load on the shaft, including sheave weight is desired, the sheave weight can be added to the belt pull using the same graphical method shown in Figure No. 23 on Page 264. The sheave weight vector is vertical to the ground. Weights for standard sheaves are shown in the sheave specification tables on Pages 223 through 229.

Bearing Load Calculations

In order to find actual bearing loads, it is necessary to know weights of machine components and the value of all other forces contributing to the load. However, it is sometimes desired to know the bearing load contributed by the V-belt drive alone. You can find bearing load due to the drive if you know bearing spacing with respect to the sheave center and the shaft load as calculated above. For rough checks, machine designers sometimes use belt pull alone, ignoring sheave weight. If accuracy is desired, or if the sheave is unusually heavy, actual shaft load including sheave weight should be used.

A. Overhung Sheave

Formula No. 41

$$\text{Load at B, pounds} = \frac{\text{Shaft Load x } (a+b)}{a}$$

Formula No. 42

$$\text{Load at A, pounds} = \text{Shaft Load x } \frac{b}{a}$$

where: a and b = spacing, inches, per Figure No. 25

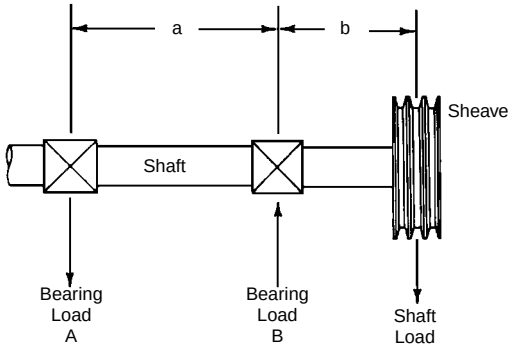


Figure No. 25 — Overhung Sheave

B. Sheave Between Bearings

Formula No. 43

$$\text{Load at D, pounds} = \frac{\text{Shaft Load x c}}{(c+d)}$$

Formula No. 44

$$\text{Load at C, pounds} = \frac{\text{Shaft Load x d}}{(c+d)}$$

where: c and d = spacing, inches, per Figure No. 26

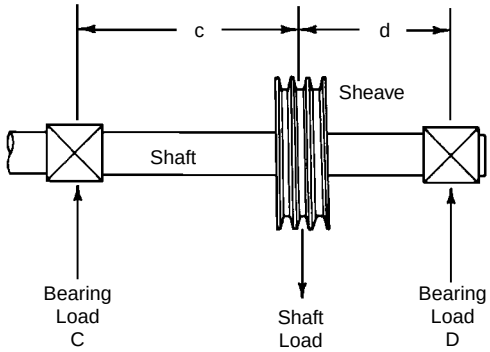


Figure No. 26 — Sheave Between Bearings

Service Factor

Figure No. 1 below makes it possible to select the correct service factor for machines not shown in Table No. 2 on Page 14. By analyzing the characteristics of the driveR and driveN machines, you can determine a service factor for virtually any machine.

A. In the upper lefthand block of Figure No. 1, locate the diagonal that runs through the square showing the right combination of starting and peak or intermittent loads for the driveN machine. Typical machines are shown for reference.

B. In the upper righthand block of Figure No. 1, locate the square that describes the starting and maximum running torque of the driveR. Again, note that typical driveRs are shown for reference. Then locate the diagonal that runs through the square you have chosen.

C. Trace the two diagonals to their point of intersection in the service factor diamond. From the four service factor values surrounding this point, select the one that best represents the combination of all factors considered.

CLUTCHING DRIVES

Refer all clutching drive applications to the V-Belt Product Application Department, The Gates Rubber Company, Denver, Colorado. V-belt drives which use the belt as a clutch require special consideration because the heat generated by belt slip (during engagement and disengagement) on some clutching applications can cause some V-belt tensile materials to shrink in length. The shrinkage may cause a belt, which is already engaged and driving, to not declutch, or a declutched belt may engage itself and start driving the machine unexpectedly. Dependent on the machine and circumstances, either situation could prove dangerous to the machine operator or bystanders.

Belts especially designed to minimize or eliminate heat shrinkage may be required.

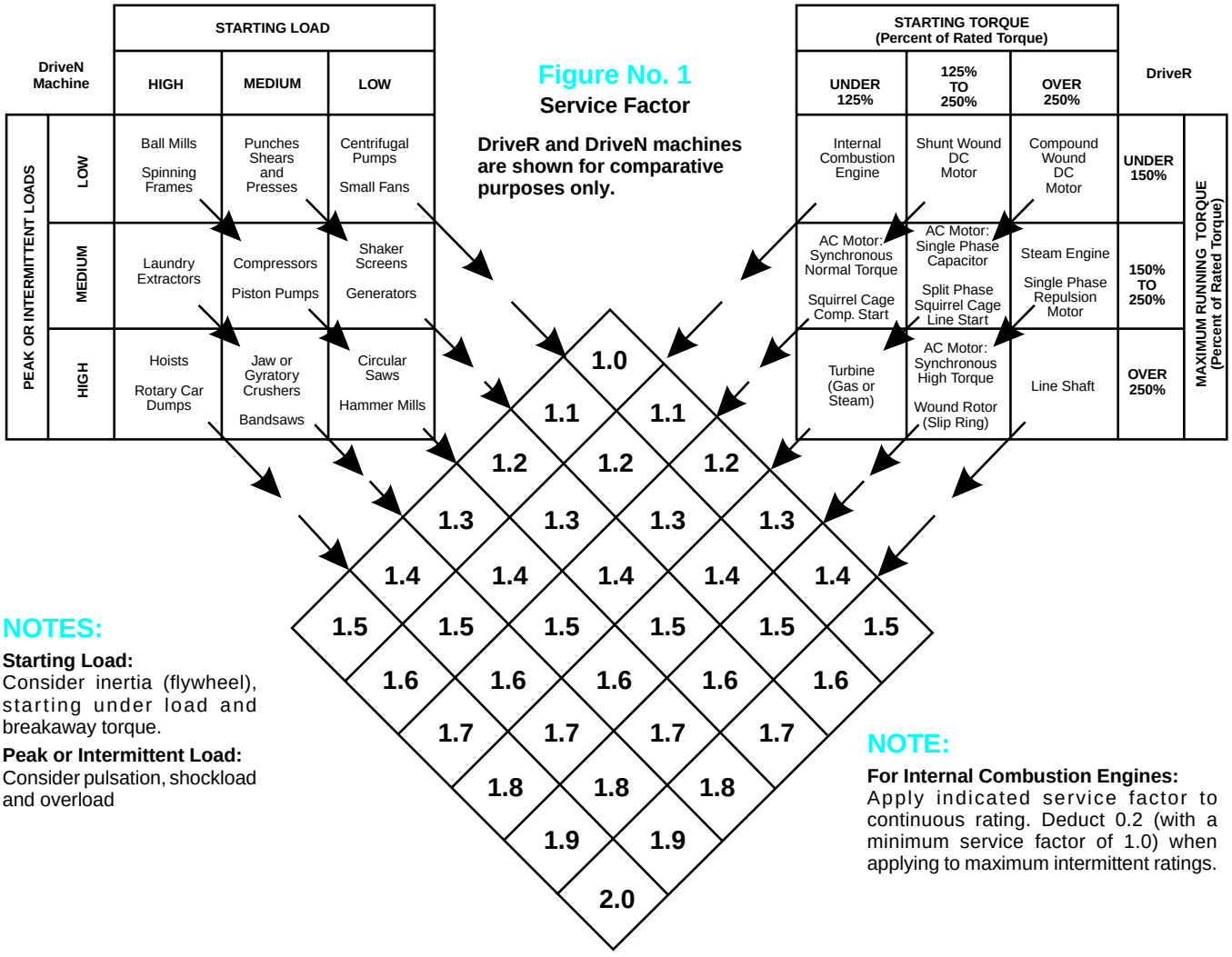


Figure No. 1
Service Factor

DriveR and DriveN machines are shown for comparative purposes only.

NOTES:

Starting Load:
Consider inertia (flywheel), starting under load and breakaway torque.

Peak or Intermittent Load:
Consider pulsation, shockload and overload

NOTE:

For Internal Combustion Engines:
Apply indicated service factor to continuous rating. Deduct 0.2 (with a minimum service factor of 1.0) when applying to maximum intermittent ratings.

Industry V-Belt Drive Standards

V-belt dimensions, sheave groove dimensions and certain drive design data for H, J, K, L and M v-ribbed belts are standardized. Copies of the following standards are available from the respective standards organizations:

"Engineering Standard Specifications for Drives Using v-ribbed belts (H, J, K, L and M Cross Sections)" IP-26 (1977)

Joint Publication of: Mechanical Power Transmission Assn.
932 Hungerford Drive #36
Rockville, Maryland 20850

The Rubber Manufacturers Assn., Inc.
1400 K Street, N.W.
Washington, D.C. 20005

The Rubber Association of Canada
89 Queens Way, West
Mississauga, Ont., Canada L5B2V2

V-belt dimensions, sheave groove dimensions and certain drive design data for A, B, C and D belts are standardized. Copies of the following standards are available from the respective standards organizations:

"Engineering Standard Specifications for Drives Using Classical V-Belts and Sheaves (A, B, C and D Cross Sections)" IP-20 (1988)

Joint publication of: Mechanical Power Transmission Assn.
932 Hungerford Drive #36
Rockville, Maryland 20850

The Rubber Manufacturers Assn., Inc.
1400 K Street, N.W.
Washington, D.C. 20005

The Rubber Association of Canada
89 Queens Way, West
Mississauga, Ont., Canada L5B2V2

V-belt dimensions, sheave groove dimensions and certain drive design data for 3V/3VX, 5V/5VX and 8V belts are standardized. Copies of the following standards are available from the respective standards organizations:

"Engineering Standard Specifications for Drives Using Narrow V-Belts and Sheaves (3V/3VX, 5V/5VX and 8V Cross Sections)" IP-22 (1991)

Joint publication of: Mechanical Power Transmission Assn.
932 Hungerford Drive #36
Rockville, Maryland 20850

The Rubber Manufacturers Assn., Inc.
1400 K Street, N.W.
Washington, D.C. 20005

The Rubber Association of Canada
89 Queens Way, West
Mississauga, Ont., Canada L5B2V2

"API Specifications for Oil Field V-Belting, API Standard 1-B"—American Petroleum Institute (March 1978), Washington, D.C.

Issued by: American Petroleum Institute
Production Department
300 Corrigan Tower Building
Dallas, Texas 75201

In addition to the standards, the Rubber Manufacturers Association, Inc., publishes a series of bulletins under the heading "Power Transmission Belt Technical Information." These bulletins contain discussions and recommendations on V-belt application subjects of general interest. Applicable bulletins published to date are:

IP-3-1 V-Belt Heat Resistance (1987)
IP-3-2 V-Belt Oil Resistance (1987)
IP-3-3 Static Conductive V-Belts (1985)
IP-3-4 Storage of V-Belts (1987)
IP-3-6 Effect of Idlers on V-Belt Performance (1987)
IP-3-7 V-Flat Drives (1972)
IP-3-8 High Modulus Belts (1987)
IP-3-9 Joined V-Belts (1987)
IP-3-10 V-Belt Drives With Twist (1987)
IP-3-13 Mechanical Efficiency of Power Transmission Belt Drives (1987)
IP-3-14 A Drive Procedure for Variable Pitch Multiple V-Belt Drives (1987)

ISO (International Organization for Standardization) has published the following international standards pertaining to industrial V-belt drives:

ISO 255-1981	**Pulleys for Classical and Narrow V-Belts — Geometrical Inspection of Grooves.**
ISO 1081-1980	**Drives Using V-Belts and Grooved Pulleys — Terminology.**
ISO 4183-1980	**Grooved Pulleys for Classical and Narrow V-Belts.**
ISO 4184-1980	**Classical and Narrow V-Belts — Lengths.**
ISO 5290-1985	**Grooved Pulleys for Joined Narrow V-Belts — Groove Sections 9J, 15J, 20J and 25J.**
ISO 5291-1987	**Grooved Pulleys for Joined Conventional V-Belts — Groove Sections AJ, BJ, CJ and DJ.**

Decimal and Millimeter Equivalents of Fractions

Inches		
Fractions	Decimals	Millimeters
1/64	.015625	.397
1/32	.03125	.794
3/64	.046875	1.191
1/16	.0625	1.588
5/64	.078125	1.984
3/32	.09375	2.381
7/64	.109375	2.778
1/8	.125	3.175
9/64	.140625	3.572
5/32	.15625	3.969
11/64	.171875	4.366
3/16	.1875	4.763
13/64	.203125	5.159
7/32	.21875	5.556
15/64	.234375	5.953
1/4	.250	6.350
17/64	.265625	6.747
9/32	.28125	7.144
19/64	.296875	7.541
5/16	.3125	7.938
21/64	.328125	8.334
11/32	.34375	8.731
23/64	.359375	9.128
3/8	.375	9.525
25/64	.390625	9.922
13/32	.40625	10.319
27/64	.421875	10.716
7/16	.4375	11.113
29/64	.453125	11.509
15/32	.46875	11.906
31/64	.484375	12.303
1/2	.500	12.700

Inches		
Fractions	Decimals	Millimeters
33/64	.515625	13.097
17/32	.53125	13.494
35/64	.546875	13.891
9/16	.5625	14.288
37/64	.578125	14.684
19/32	.59375	15.081
39/64	.609375	15.478
5/8	.625	15.875
41/64	.640625	16.272
21/32	.65625	16.669
43/64	.671875	17.066
11/16	.6875	17.463
45/64	.703125	17.859
23/32	.71875	18.256
47/64	.734375	18.653
3/4	.750	19.050
49/64	.765625	19.447
25/32	.78125	19.844
51/64	.796875	20.241
13/16	.8125	20.638
53/64	.828125	21.034
27/32	.84375	21.431
55/64	.859375	21.828
7/8	.875	22.225
57/64	.890625	22.622
29/32	.90625	23.019
59/64	.921875	23.416
15/16	.9375	23.813
61/64	.953125	24.209
31/32	.96875	24.606
63/64	.984375	25.003
1	1.000	25.400

Weights and Measures

Length Conversion Constants

Metric to U.S.

Millimeters X .039370 = inches.
Meters X 39.370 = inches.
Meters X 3.2808 = feet.
Meters X 1.09361 = yards.
Kilometers X 3280.8 = feet.
Kilometers X .62137 = Statute Miles.
Kilometers X .53959 = Nautical Miles.

U.S. to Metric

Inches X 25.4001 = millimeters.
Inches X .0254 = meters.
Feet X .30480 = meters.
Yards X .91440 = meters.
Feet X .0003048 = kilometers.
Statute Miles X 1.60935 = kilometers.
Nautical Miles X 1.85325 = kilometers.

Weight Conversion Constants

Metric to U.S.

Grams X 981 = dynes.
Grams X 15.432 = grains.
Grams X .03527 = ounces (Avd.).
Grams X .033818 = fluid ounces (water).
Kilograms X 35.27 = ounces (Avd.).
Kilograms X 2.20462 = pounds (Avd.).
Metric Tons (1000 Kg) X 1.10231 = Net Ton (2000 lbs.).
Metric Tons (1000 Kg) X .98421 = Gross Ton (2240 lbs.).

U.S. to Metric

Dynes X .0010193 = grams.
Grains X .0648 = grams.
Ounces (Avd.) X 28.35 = grams.
Fluid Ounces (Water) X 29.57 = grams.
Ounces (Avd.) X .02835 = kilograms.
Pounds (Avd.) X .45359 = kilograms.
Net Ton (2000 lbs.) X .90719 = Metric Tons (1000 Kg).
Gross Ton (2240 lbs.) X 1.01605 = Metric Tons (1000 Kg).

Area Conversion Constants

Metric to U.S.

Square Millimeters X .00155 = square inches.
Square Centimeters X .155 = square inches.
Square Meters X 10.76387 = square feet.
Square Meters X 1.19599 = square yards.
Hectares X 2.47104 = acres.
Square Kilometers X 247.104 = acres.
Square Kilometers X .3861 = square miles.

U.S. to Metric

Square Inches X 645.163 = square millimeters.
Square Inches X 6.45163 = square centimeters.
Square Feet X .0929 = square meters.
Square Yards X .83613 = square meters.
Acres X .40469 = hectares.
Acres X .0040469 = square kilometers.
Square Miles X 2.5899 = square kilometers.

Temperature Conversion

Look up reading in middle column (shaded). If in degrees Centigrade, read Fahrenheit equivalent in right-hand column; if in Fahrenheit degrees, read Centigrade equivalent in left-hand column.

C	C/F	F		C	C/F	F		C	C/F	F
-73	-100	-148		5.0	41	105.8		33.3	92	197.6
-68	- 90	-130		5.6	42	107.6		33.9	93	199.4
-62	- 80	-112		6.1	43	109.4		34.4	94	201.2
-57	- 70	- 94		6.7	44	111.2		35.0	95	203.0
-51	- 60	- 76		7.2	45	113.0		35.6	96	204.8
-46	- 50	- 58		7.8	46	114.8		36.1	97	206.6
-40	- 40	- 40		8.3	47	116.6		36.7	98	208.4
-34	- 30	- 22		8.9	48	118.4		37.2	99	210.2
-29	- 20	- 4		9.4	49	120.2		37.8	100	212.0
-23	- 10	14		10.0	50	122.0				
-17.8	0	32		10.6	51	123.8		43	110	230
-17.2	1	33.8		11.1	52	125.6		49	120	248
-16.7	2	35.6		11.7	53	127.4		54	130	266
-16.1	3	37.4		12.2	54	129.2		60	140	284
-15.6	4	39.2		12.8	55	131.0		66	150	302
-15.0	5	41.0		13.3	56	132.8		71	160	320
-14.4	6	42.8		13.9	57	134.6		77	170	338
-13.9	7	44.6		14.4	58	136.4		82	180	356
-13.3	8	46.4		15.0	59	138.2		88	190	374
-12.8	9	48.2		15.6	60	140.0		93	200	392
-12.2	10	50.0		16.1	61	141.8		99	210	410
-11.7	11	51.8		16.7	62	143.9		100	212	413.6
-11.1	12	53.6		17.2	63	145.4		104	220	428
-10.6	13	55.4		17.8	64	147.2		110	230	446
-10.0	14	57.2		18.3	65	149.0		116	240	464
-9.4	15	59.0		18.9	66	150.8		121	250	482
-8.9	16	60.8		19.4	67	152.6		127	260	500
-8.3	17	62.6		20.0	68	154.4		132	270	518
-7.8	18	64.4		20.6	69	156.2		138	280	536
-7.2	19	66.2		21.1	70	158.0		143	290	554
-6.7	20	68.0		21.7	71	159.8		149	300	572
-6.1	21	69.8		22.2	72	161.6		154	310	590
-5.6	22	71.6		22.8	73	163.4		160	320	608
-5.0	23	73.4		23.3	74	165.2		166	330	626
-4.4	24	75.2		23.9	75	167.0		170	338	640
-3.9	25	77.0		24.4	76	168.8		171	340	644
-3.3	26	78.8		25.0	77	170.6		177	350	662
-2.8	27	80.6		25.6	78	172.4		182	360	680
-2.2	28	82.4		26.1	79	174.2		186	366	691
-1.7	29	84.2		26.7	80	176.0		188	370	698
-1.1	30	86.0		27.2	81	177.8		193	380	716
- .6	31	87.8		27.8	82	179.6		198	388	730
0	32	89.6		28.3	83	181.4		199	390	734
.6	33	91.4		28.9	84	183.2		204	400	752
1.1	34	93.2		29.4	85	185.0		208	406	763
1.7	35	95.0		30.0	86	186.8		210	410	770
2.2	36	96.8		30.6	87	188.6		216	420	788
2.8	37	98.6		31.1	88	190.4		221	430	806
3.3	38	100.4		31.7	89	192.2		227	440	824
3.9	39	102.2		32.2	90	194.0		232	450	842
4.4	40	104.0		32.8	91	195.8				