

High Performance Composite V-Belts

NU T LINK
V-BELTS®

PowerTwist Plus
V-BELTS

SUPER T LINK
SP WEDGE BELTS®

Technical Data & Power Ratings

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Belt Selection

The following pages provide power ratings for PowerTwist Plus, NuTLink and SuperTLink belting, and offer some information on how to determine the belt type for a particular drive. Before you can proceed, you need to know the following four things:

1. The type of application or driven machine.
2. The type of prime mover, its kW rating and RPM.
3. The speed of the driven machine or speed ratio.
4. The approximate centre distance between shafts.

Example:

5.5 kW 1450 RPM, IEC N, electric motor driving a restaurant roof top exhaust fan. Current drive consists of a 140mm x 2B/17 pulley on the motor, a 170mm x 2B/17 pulley on the fan and a centre distance of about 560mm. Runs 16 - 24 hours/day.

Step 1. Find the Design Kilowatt Power

- A. From Table 1 we select 1.2 SF, i.e. IEC N motor, Fan up to 7.5 kW
- B. $DkW = 5.5 \text{ kW} \times 1.2 \text{ SF} = 6.6 \text{ DkW}$

The machines listed below are representative samples only. Select the group whose load characteristics closely match the machine being considered.

DriveN Machine	Types of Prime Mover					
	Intermittent Service 3 - 5 Hrs/Day or Seasonal	Normal Service 8 - 10 Hrs/Day	Continuous Service 16 - 24 Hrs/Day	Intermittent Service 3 - 5 Hrs/Day or Seasonal	Normal Service 8 - 10 Hrs/Day	Continuous Service 16 - 24 Hrs/Day
Fans (up to 7.5 kW); Centrifugal Pumps and Compressors; Conveyors (Light Duty)	1.0	1.1	1.2	1.1	1.2	1.3
Agitators: Liquid; Revolving and Vibrating Screens; Fans (over 7.5 kW); Generators; Machine Tools: Lathes, Mills, etc.; Line Shafts; Positive Displacement Rotary Pumps; Woodworking Equipment: Saws, Drills, Lathes, etc.	1.1	1.2	1.3	1.2	1.3	1.4
Brick Machinery; Agitators: Semi-Liquid; Presses, Punches, Shears; Pumps (Piston); Belt Conveyors: Ore, Coal, Sand, Aggregate; Compressors (Piston); Positive Displacement Blowers; Saw Mill Machinery; Textile Machinery	1.2	1.3	1.4	1.4	1.5	1.6

Table 1

Step 2. Review the Drive

- A. Calculate the speed ratio. This is large diameter divided by small diameter.
 $170\text{mm} \div 140\text{mm} = 1.21:1$
- B. Calculate Belt kW Rating.
 1. Refer to the NuTLink power rating table for "B/17" cross section belt. Using the faster shaft RPM of 1450, read across to column headed 140mm and find 4.62. This is the basic kW rating. Read across on the same line under the **Add-on Kilowatt** rating section, in column headed 1.21 to 1.27, read .12. Adding .12 to 4.62 gives 4.74 rated kW per belt.
- C. Determine the Arc of Contact Correction Factor.
 1. Calculate $(D - d) \div C$ and find factor $K\phi$ from Table 2.
 Where: $D = 170\text{mm}$, $d = 140\text{mm}$ and $C = 560\text{mm}$
 $(170\text{mm} - 140\text{mm}) \div 560\text{mm} = 0.06$
 Factor $K\phi$ is 1.00.
- D. Determine Belt Length and Length Correction Factor (L_C).
 1. Using the formula below calculate the belt length and from Table 3 find the Length Correction Factor (L_C).

$$\text{Belt Length} = 2C + 1.57(D + d) + \frac{(D - d)^2}{4C}$$
 Where: $D = 170\text{mm}$, $d = 140\text{mm}$ and $C = 560\text{mm}$
 Belt Length = 1607mm
 From Table 3, under "B/17" cross section and between a 1540mm and 1730mm belt factor L_C is .93.
- E. Calculate Corrected kW per Belt.
 1. Corrected kW per Belt = Rated kW per belt \times Factor $K\phi \times$ Factor L_C
 Corrected kW per Belt = $4.74 \times 1.00 \times .93 = 4.41$

Step 3. Find the Number of Belts Required

- A. Divide the Design Kilowatt power by the Corrected Kilowatt power per belt to find the number of belts required.
 The answer will usually contain a fraction; therefore always round up to the next whole number of belts.
 $DkW \div CkW = 6.6 \div 4.41 = 1.50$

Two NuTLink belts are okay for the application.

Arc of Contact Correction Factor ($K\phi$) for V-Belt Drives

$\frac{D-d}{C}$	Arc of Contact, ϕ on Small Pulley Diameter (degrees)	Factor $K\phi$
		Z/10, A/13, B/17, C/22, SPZ, SPA, SPB
0.00	180	1.00
0.10	174	0.99
0.20	169	0.97
0.30	163	0.96
0.40	157	0.94
0.50	151	0.93
0.60	145	0.91
0.70	139	0.89
0.80	133	0.87
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

Table 2

Where: D = large datum diameter
d = small datum diameter
C = centre distance

Belt Length Correction Factors (L_d)

Length (mm)	Belt Cross Section				Length (mm)	Belt Cross Section		
	Z/10	A/13	B/17	C/22		SPZ	SPA	SPB
622	0.94				512	0.79		
660	0.95	0.80			630	0.83		
780	0.99	0.83			710	0.85		
880	1.02	0.86			800	0.87	0.81	
990	1.04	0.88	0.83		900	0.89	0.83	
1090	1.06	0.90	0.85		1000	0.91	0.85	
1220	1.08	0.92	0.87		1120	0.93	0.86	
1350	1.11	0.95	0.89		1250	0.95	0.88	0.83
1540	1.14	0.97	0.92	0.81	1400	0.98	0.90	0.85
1730		1.00	0.94	0.82	1500	0.99	0.91	0.86
1930		1.02	0.97	0.86	1600	1.00	0.92	0.87
2040		1.03	0.98	0.87	1800	1.02	0.94	0.89
2160		1.05	0.99	0.88	2000	1.04	0.96	0.91
2270		1.06	1.00	0.89	2240	1.06	0.98	0.93
2390		1.07	1.01	0.90	2500	1.08	1.00	0.94
2590		1.08	1.03	0.92	2800	1.10	1.02	0.96
2690		1.10	1.04	0.93	3150	1.12	1.04	0.98
2840		1.11	1.05	0.94	3550	1.15	1.06	1.00
3030		1.12	1.06	0.95	4000			1.02
3190		1.14	1.07	0.96	4500			1.04
3390		1.15	1.09	0.97	5000			1.05
3790		1.17	1.11	1.00	5600			1.07
4030		1.19	1.13	1.01	6300			1.09
4290		1.20	1.14	1.03	7100			1.11
4540		1.22	1.15	1.04	7500			1.12
5030		1.24	1.18	1.06	8000			1.13
5340			1.19	1.07				
6040			1.22	1.10				
6375				1.11				
7558				1.15				
8058				1.17				
9058				1.19				
10058				1.22				

Table 3

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

Where: D = large datum diameter
d = small datum diameter
C = centre distance



PowerTwist Plus Power Ratings for Z/10 Section Belt

RPM of Faster Shaft	Basic Kilowatt Rating per Belt for Small Pulley Outside Diameter									RPM of Faster Shaft	Add-on Kilowatt per Belt for Speed Ratio			
	45mm	50mm	56mm	63mm	71mm	80mm	90mm	100mm	112mm		1.00 to 1.05	1.06 to 1.26	1.27 to 1.57	1.58 and higher
950	0.10	0.12	0.15	0.19	0.22	0.27	0.32	0.37	0.57	950	0.00	0.02	0.04	0.04
1450	0.13	0.17	0.21	0.26	0.32	0.38	0.45	0.51	0.80	1450	0.01	0.03	0.06	0.06
2850	0.19	0.26	0.34	0.43	0.52	0.62	0.72	0.81	1.23	2850	0.01	0.07	0.11	0.12
200	0.03	0.03	0.04	0.05	0.06	0.07	0.08	0.10	0.15	200	0.00	0.01	0.01	0.01
400	0.05	0.06	0.07	0.09	0.11	0.13	0.15	0.17	0.27	400	0.00	0.01	0.02	0.02
600	0.07	0.08	0.10	0.13	0.16	0.19	0.22	0.25	0.38	600	0.00	0.01	0.02	0.03
800	0.08	0.10	0.13	0.16	0.19	0.23	0.28	0.31	0.49	800	0.00	0.02	0.03	0.04
1000	0.10	0.12	0.16	0.19	0.24	0.28	0.34	0.38	0.59	1000	0.00	0.02	0.04	0.04
1200	0.11	0.14	0.18	0.22	0.28	0.33	0.39	0.45	0.69	1200	0.01	0.03	0.05	0.05
1400	0.13	0.16	0.20	0.25	0.31	0.37	0.44	0.50	0.78	1400	0.01	0.04	0.05	0.06
1600	0.13	0.18	0.22	0.28	0.34	0.41	0.48	0.56	0.86	1600	0.01	0.04	0.06	0.07
1800	0.15	0.19	0.25	0.31	0.38	0.45	0.53	0.61	0.94	1800	0.01	0.05	0.07	0.08
2000	0.16	0.21	0.27	0.34	0.41	0.49	0.57	0.66	1.01	2000	0.01	0.05	0.08	0.09
2200	0.17	0.22	0.28	0.36	0.44	0.52	0.61	0.70	1.07	2200	0.01	0.05	0.08	0.10
2400	0.18	0.24	0.31	0.38	0.46	0.56	0.65	0.74	1.13	2400	0.01	0.06	0.09	0.10
2600	0.19	0.25	0.32	0.40	0.49	0.59	0.69	0.78	1.18	2600	0.01	0.06	0.10	0.11
2800	0.19	0.26	0.34	0.42	0.51	0.61	0.72	0.81	1.22	2800	0.01	0.07	0.11	0.12
3000	0.20	0.27	0.35	0.44	0.54	0.64	0.74	0.84	1.25	3000	0.01	0.07	0.12	0.13
3200	0.21	0.28	0.37	0.45	0.56	0.66	0.76	0.86	1.27	3200	0.02	0.08	0.12	0.14
3400	0.22	0.29	0.37	0.47	0.57	0.68	0.78	0.87	1.28	3400	0.02	0.08	0.13	0.15
3600	0.22	0.30	0.39	0.48	0.59	0.69	0.80	0.88	1.28	3600	0.02	0.09	0.14	0.16
3800	0.22	0.30	0.40	0.50	0.60	0.71	0.81	0.89	1.27	3800	0.02	0.09	0.15	0.16
4000	0.23	0.32	0.40	0.51	0.61	0.72	0.81	0.88	1.25	4000	0.02	0.10	0.15	0.17
4200	0.23	0.32	0.41	0.51	0.62	0.72	0.81	0.87		4200	0.02	0.10	0.16	0.18
4400	0.23	0.32	0.42	0.52	0.63	0.72	0.81	0.86		4400	0.02	0.11	0.17	0.19
4600	0.23	0.32	0.43	0.53	0.63	0.72	0.81			4600	0.02	0.11	0.18	0.20
4800	0.23	0.33	0.43	0.53	0.63	0.72	0.78			4800	0.02	0.11	0.19	0.20

PowerTwist Plus Power Ratings for A/13 Section Belt

RPM of Faster Shaft	Basic Kilowatt Rating per Belt for Small Pulley Datum Diameter										RPM of Faster Shaft	Add-on Kilowatt per Belt for Speed Ratio					
	80mm	90mm	95mm	106mm	125mm	132mm	140mm	150mm	160mm	180mm		1.00 to 1.01	1.05 to 1.07	1.11 to 1.14	1.21 to 1.27	1.40 to 1.64	1.65 and higher
950	0.84	1.06	1.17	1.41	1.82	1.97	2.13	2.34	2.55	2.95	950	0.00	0.03	0.06	0.10	0.13	0.14
1450	1.15	1.46	1.63	1.97	2.55	2.76	2.99	3.28	3.57	4.13	1450	0.00	0.04	0.10	0.14	0.19	0.22
2850	1.77	2.32	2.60	3.17	4.12	4.46	4.82	5.26	5.70	6.48	2850	0.00	0.10	0.19	0.28	0.37	0.43
200	0.25	0.30	0.33	0.39	0.49	0.53	0.57	0.63	0.68	0.78	200	0.00	0.01	0.01	0.01	0.02	0.02
400	0.43	0.53	0.59	0.69	0.89	0.96	1.04	1.13	1.23	1.42	400	0.00	0.01	0.02	0.03	0.04	0.05
600	0.59	0.74	0.81	0.98	1.25	1.35	1.46	1.60	1.74	2.01	600	0.00	0.01	0.03	0.05	0.07	0.07
800	0.74	0.93	1.03	1.23	1.58	1.72	1.86	2.03	2.21	2.56	800	0.00	0.02	0.04	0.07	0.09	0.10
1000	0.87	1.10	1.22	1.47	1.90	2.06	2.23	2.44	2.65	3.08	1000	0.00	0.03	0.05	0.08	0.11	0.12
1200	1.00	1.27	1.41	1.70	2.20	2.38	2.58	2.83	3.08	3.56	1200	0.00	0.03	0.07	0.10	0.13	0.15
1400	1.12	1.42	1.58	1.92	2.48	2.68	2.92	3.19	3.47	4.02	1400	0.00	0.04	0.07	0.11	0.15	0.17
1600	1.22	1.57	1.74	2.12	2.75	2.98	3.23	3.54	3.86	4.45	1600	0.00	0.04	0.09	0.13	0.17	0.19
1800	1.33	1.71	1.90	2.31	3.01	3.25	3.53	3.87	4.21	4.85	1800	0.00	0.05	0.10	0.15	0.19	0.22
2000	1.42	1.84	2.05	2.50	3.24	3.51	3.81	4.18	4.54	5.23	2000	0.00	0.05	0.11	0.16	0.22	0.25
2200	1.51	1.97	2.19	2.67	3.47	3.77	4.08	4.47	4.85	5.58	2200	0.00	0.06	0.12	0.18	0.24	0.27
2400	1.60	2.08	2.33	2.83	3.68	4.00	4.33	4.74	5.14	5.89	2400	0.00	0.07	0.13	0.19	0.26	0.29
2600	1.68	2.19	2.45	2.99	3.89	4.21	4.56	4.98	5.40	6.17	2600	0.00	0.07	0.14	0.22	0.28	0.32
2800	1.75	2.30	2.57	3.13	4.07	4.41	4.77	5.21	5.64		2800	0.00	0.07	0.15	0.23	0.31	0.34
3000	1.82	2.39	2.68	3.27	4.25	4.59	4.97	5.41	5.85		3000	0.00	0.08	0.16	0.25	0.33	0.37
3200	1.89	2.48	2.77	3.39	4.41	4.77	5.15	5.60			3200	0.00	0.09	0.17	0.26	0.35	0.40
3400	1.94	2.56	2.87	3.51	4.55	4.91	5.30				3400	0.00	0.09	0.19	0.28	0.37	0.42
3600	1.99	2.63	2.95	3.62	4.68	5.05					3600	0.00	0.10	0.19	0.29	0.40	0.44
3800	2.04	2.70	3.03	3.71	4.79						3800	0.00	0.10	0.21	0.31	0.42	0.47
4000	2.08	2.76	3.10	3.80							4000	0.00	0.11	0.22	0.33	0.44	0.49
4200	2.11	2.82	3.16	3.86							4200	0.00	0.11	0.23	0.34	0.45	0.51
4400	2.14	2.86	3.21	3.93							4400	0.00	0.12	0.24	0.36	0.48	0.54
4600	2.16	2.90	3.26								4600	0.00	0.13	0.25	0.37	0.50	0.57
4800	2.18	2.93	3.34								4800	0.00	0.13	0.26	0.40	0.52	0.59
5000	2.19	2.95									5000	0.00	0.13	0.28	0.41	0.54	0.61
5200	2.20	2.97									5200	0.00	0.14	0.28	0.43	0.57	0.64
5400	2.20	2.97									5400	0.00	0.15	0.29	0.44	0.59	0.66



PowerTwist Plus Power Ratings for B/17 Section Belt

RPM of Faster Shaft	Basic Kilowatt Rating per Belt for Small Pulley Datum Diameter										RPM of Faster Shaft	Add-on Kilowatt per Belt for Speed Ratio					
	125mm*	132mm*	140mm	150mm	160mm	170mm	190mm	212mm	224mm	236mm		1.00 to 1.01	1.05 to 1.07	1.11 to 1.14	1.21 to 1.27	1.40 to 1.64	1.65 and higher
	950	2.19	2.45	2.75	3.11	3.48	3.84	4.54	5.30	5.71		6.11	950	0.00	0.03	0.06	0.10
1450	2.94	3.32	3.73	4.24	4.75	5.25	6.23	7.26	7.80	8.33	1450	0.00	0.04	0.10	0.14	0.19	0.22
2850	4.18	4.78	5.41	6.17	6.92	7.61					2850	0.00	0.10	0.19	0.28	0.37	0.43
200	0.65	0.72	0.79	0.88	0.98	1.07	1.25	1.45	1.55	1.66	200	0.00	0.01	0.01	0.01	0.02	0.02
400	1.13	1.26	1.39	1.57	1.74	1.91	2.24	2.62	2.81	3.01	400	0.00	0.01	0.02	0.03	0.04	0.05
600	1.55	1.73	1.93	2.17	2.42	2.66	3.15	3.66	3.94	4.22	600	0.00	0.01	0.03	0.05	0.07	0.07
800	1.93	2.16	2.41	2.73	3.04	3.36	3.97	4.63	4.98	5.34	800	0.00	0.02	0.04	0.07	0.09	0.10
1000	2.27	2.55	2.86	3.24	3.62	3.99	4.73	5.52	5.94	6.36	1000	0.00	0.03	0.05	0.08	0.11	0.12
1200	2.59	2.91	3.27	3.71	4.15	4.58	5.43	6.34	6.82	7.29	1200	0.00	0.03	0.07	0.10	0.13	0.15
1400	2.87	3.24	3.64	4.15	4.64	5.12	6.07	7.08	7.61	8.14	1400	0.00	0.04	0.07	0.11	0.15	0.17
1600	3.13	3.54	3.98	4.53	5.09	5.62	6.66	7.76	8.33	8.89	1600	0.00	0.04	0.09	0.13	0.17	0.19
1800	3.36	3.81	4.30	4.89	5.49	6.07	7.18	8.34	8.96	9.54	1800	0.00	0.05	0.10	0.15	0.19	0.22
2000	3.58	4.06	4.58	5.22	5.86	6.47	7.65	8.87	9.49	10.08	2000	0.00	0.05	0.11	0.16	0.22	0.25
2200	3.76	4.27	4.82	5.50	6.18	6.82	8.05	9.30	9.93		2200	0.00	0.06	0.12	0.18	0.24	0.27
2400	3.92	4.46	5.04	5.76	6.46	7.13	8.39				2400	0.00	0.07	0.13	0.19	0.26	0.29
2600	4.06	4.62	5.23	5.97	6.70	7.37					2600	0.00	0.07	0.14	0.22	0.28	0.32
2800	4.16	4.75	5.38	6.14	6.88	7.57					2800	0.00	0.07	0.15	0.23	0.31	0.34
3000	4.24	4.85	5.50	6.27							3000	0.00	0.08	0.16	0.25	0.33	0.37
3200	4.30	4.91	5.57								3200	0.00	0.09	0.17	0.26	0.35	0.40
3400	4.33	4.95	5.62								3400	0.00	0.09	0.19	0.28	0.37	0.42
3600	4.32	4.95	5.62								3600	0.00	0.10	0.19	0.29	0.40	0.44

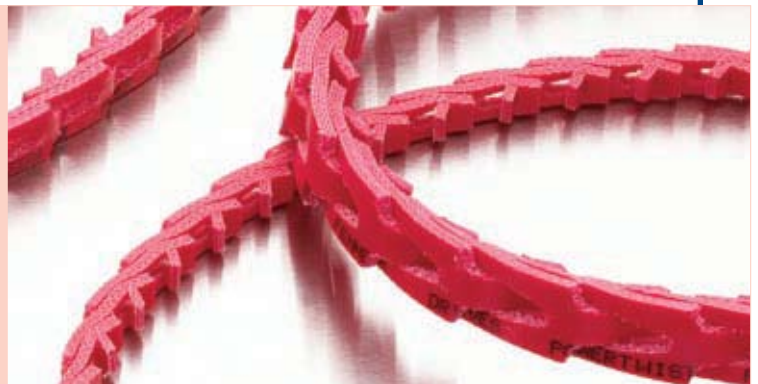
* Indicates diameters below minimum recommended for B/17 V-belt. Can be used only if a reduction in belt service life is acceptable.

PowerTwist Plus Power Ratings for C/22 Section Belt

RPM of Faster Shaft	Basic Kilowatt Rating per Belt for Small Pulley Datum Diameter								RPM of Faster Shaft	Add-on Kilowatt per Belt for Speed Ratio					
	200mm*	215mm*	224mm	250mm	280mm	315mm	355mm	400mm		1.00 to 1.01	1.05 to 1.07	1.11 to 1.14	1.21 to 1.27	1.40 to 1.64	1.65 and higher
	700	5.20	5.95	6.40	7.67	9.11	10.75	12.57		19.51	700	0.00	0.01	0.04	0.06
950	6.46	7.42	7.99	9.62	11.42	13.47	15.70	24.22	950	0.00	0.02	0.04	0.07	0.10	0.10
1450	8.41	9.72	10.48	12.61	14.92	17.42			1450	0.00	0.03	0.06	0.10	0.13	0.14
200	1.95	2.20	2.35	2.78	3.27	3.84	4.48	6.96	200	0.00	0.01	0.01	0.01	0.02	0.02
400	3.39	3.86	4.14	4.93	5.83	6.88	8.04	12.50	400	0.00	0.01	0.02	0.03	0.04	0.05
600	4.63	5.29	5.69	6.82	8.08	9.54	11.16	17.34	600	0.00	0.01	0.03	0.05	0.07	0.07
800	5.73	6.56	7.07	8.49	10.08	11.89	13.89	21.52	800	0.00	0.02	0.04	0.07	0.09	0.10
1000	6.69	7.69	8.28	9.97	11.84	13.95	16.25	25.03	1000	0.00	0.03	0.05	0.08	0.11	0.12
1200	7.53	8.68	9.36	11.27	13.37	15.70	18.19	27.81	1200	0.00	0.03	0.07	0.10	0.13	0.15
1400	8.25	9.52	10.28	12.37	14.65	17.12	19.68		1400	0.00	0.04	0.07	0.11	0.15	0.17
1600	8.85	10.23	11.04	13.27	15.65				1600	0.00	0.04	0.09	0.13	0.17	0.19
1800	9.32	10.78	11.63	13.95					1800	0.00	0.05	0.10	0.15	0.19	0.22
2000	9.66	11.19	12.06						2000	0.00	0.05	0.11	0.16	0.22	0.25
2200	9.87	11.42							2200	0.00	0.06	0.12	0.18	0.24	0.27

* Indicates diameters below minimum recommended for C/22 V-belt. Can be used only if a reduction in belt service life is acceptable.

- The upgrade for rubber V-belts.
- High performance urethane elastomer.
- High strength — low stretch.
- Superior resistance to hostile environments.
- Made to length by hand — no tools.
- Can be installed without dismantling drive components.





NuLink Power Ratings for Z/10 Section Belt

RPM of Faster Shaft	Basic Kilowatt Rating per Belt for Small Pulley Outside Diameter									RPM of Faster Shaft	Add-on Kilowatt per Belt for Speed Ratio				
	45mm	50mm	56mm	63mm	71mm	80mm	90mm	100mm	112mm		1.00 to 1.01	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	1.58 and higher
950	0.20	0.25	0.32	0.40	0.48	0.58	0.68	0.77	0.90	950	0.00	0.00	0.02	0.04	0.04
1450	0.26	0.34	0.43	0.54	0.67	0.80	0.95	1.10	1.26	1450	0.00	0.00	0.03	0.05	0.05
2850	0.38	0.52	0.69	0.88	1.10	1.32	1.58	1.82	2.10	2850	0.00	0.01	0.06	0.10	0.11
200	0.06	0.07	0.09	0.11	0.14	0.15	0.18	0.21	0.24	200	0.00	0.00	0.00	0.01	0.01
400	0.11	0.14	0.16	0.20	0.23	0.28	0.33	0.38	0.43	400	0.00	0.00	0.01	0.02	0.02
600	0.14	0.18	0.23	0.27	0.33	0.40	0.46	0.53	0.61	600	0.00	0.00	0.01	0.02	0.03
800	0.17	0.23	0.28	0.34	0.41	0.50	0.59	0.68	0.78	800	0.00	0.00	0.02	0.03	0.03
1000	0.21	0.26	0.33	0.41	0.50	0.59	0.70	0.81	0.94	1000	0.00	0.00	0.02	0.04	0.04
1200	0.23	0.30	0.38	0.47	0.58	0.69	0.82	0.95	1.09	1200	0.00	0.01	0.03	0.05	0.05
1400	0.25	0.33	0.42	0.53	0.65	0.78	0.93	1.06	1.23	1400	0.00	0.01	0.03	0.05	0.05
1600	0.28	0.36	0.47	0.59	0.72	0.86	1.03	1.18	1.37	1600	0.00	0.01	0.04	0.05	0.06
1800	0.30	0.40	0.50	0.64	0.78	0.95	1.13	1.30	1.49	1800	0.00	0.01	0.04	0.06	0.07
2000	0.32	0.42	0.55	0.69	0.85	1.03	1.22	1.40	1.62	2000	0.00	0.01	0.05	0.07	0.08
2200	0.33	0.45	0.59	0.74	0.91	1.10	1.31	1.51	1.75	2200	0.00	0.01	0.05	0.07	0.09
2400	0.35	0.47	0.62	0.78	0.97	1.17	1.40	1.61	1.85	2400	0.00	0.01	0.05	0.08	0.09
2600	0.36	0.50	0.65	0.83	1.03	1.24	1.48	1.70	1.96	2600	0.00	0.01	0.05	0.09	0.10
2800	0.38	0.51	0.68	0.87	1.08	1.31	1.56	1.79	2.07	2800	0.00	0.01	0.06	0.10	0.11
3000	0.39	0.54	0.71	0.91	1.13	1.38	1.63	1.88	2.17	3000	0.00	0.01	0.06	0.11	0.12
3200	0.40	0.56	0.74	0.95	1.18	1.43	1.70	1.96	2.26	3200	0.00	0.02	0.07	0.11	0.13
3400	0.41	0.58	0.77	0.99	1.23	1.49	1.77	2.04	2.34	3400	0.00	0.02	0.07	0.12	0.14
3600	0.42	0.59	0.79	1.03	1.28	1.55	1.84	2.12	2.42	3600	0.00	0.02	0.08	0.13	0.14
3800	0.43	0.61	0.82	1.05	1.31	1.60	1.90	2.18	2.50	3800	0.00	0.02	0.08	0.14	0.14
4000	0.43	0.62	0.84	1.09	1.36	1.65	1.95	2.24	2.57	4000	0.00	0.02	0.09	0.14	0.15
4200	0.44	0.64	0.86	1.12	1.40	1.70	2.01	2.30	2.63	4200	0.00	0.02	0.09	0.14	0.16
4400	0.45	0.65	0.88	1.14	1.43	1.74	2.06	2.36		4400	0.00	0.02	0.10	0.15	0.17
4600	0.45	0.66	0.90	1.17	1.47	1.78	2.11	2.40		4600	0.00	0.02	0.10	0.16	0.18
4800	0.46	0.67	0.92	1.20	1.50	1.82	2.15	2.45		4800	0.00	0.02	0.11	0.16	0.19
5000	0.46	0.68	0.94	1.22	1.53	1.85	2.19			5000	0.00	0.02	0.11	0.17	0.20
5200	0.46	0.68	0.95	1.24	1.56	1.89	2.22			5200	0.00	0.03	0.12	0.18	0.21
5400	0.46	0.69	0.96	1.26	1.58	1.92				5400	0.00	0.03	0.12	0.19	0.21
5600	0.46	0.70	0.97	1.28	1.60	1.94				5600	0.00	0.03	0.12	0.20	0.22
5800	0.46	0.70	0.98	1.30	1.62	1.96				5800	0.00	0.03	0.13	0.20	0.23
6000	0.46	0.71	0.99	1.31	1.64	1.98				6000	0.00	0.03	0.13	0.21	0.23

NuLink Power Ratings for A/13 Section Belt

RPM of Faster Shaft	Basic Kilowatt Rating per Belt for Small Pulley Datum Diameter										RPM of Faster Shaft	Add-on Kilowatt per Belt for Speed Ratio					
	80mm	90mm	95mm	106mm	118mm	132mm	140mm	150mm	160mm	180mm		1.00 to 1.01	1.05 to 1.07	1.11 to 1.14	1.21 to 1.27	1.40 to 1.64	1.65 and higher
950	1.01	1.28	1.42	1.71	2.02	2.38	2.58	2.84	3.09	3.58	950	0.00	0.03	0.05	0.07	0.11	0.12
1450	1.37	1.75	1.95	2.37	2.81	3.33	3.61	3.97	4.32	4.99	1450	0.00	0.04	0.08	0.13	0.16	0.19
2850	2.06	2.71	3.05	3.73	4.44	5.23	5.66	6.14	6.62		2850	0.00	0.08	0.16	0.25	0.33	0.37
200	0.30	0.36	0.39	0.47	0.55	0.64	0.69	0.76	0.81	0.94	200	0.00	0.01	0.01	0.01	0.02	0.02
400	0.51	0.64	0.70	0.84	0.98	1.16	1.25	1.37	1.49	1.72	400	0.00	0.01	0.02	0.03	0.04	0.05
600	0.70	0.89	0.98	1.17	1.38	1.63	1.77	1.93	2.11	2.44	600	0.00	0.01	0.03	0.05	0.07	0.08
800	0.89	1.11	1.24	1.49	1.75	2.07	2.24	2.46	2.68	3.11	800	0.00	0.02	0.04	0.07	0.10	0.10
1000	1.04	1.33	1.47	1.77	2.11	2.49	2.69	2.95	3.22	3.74	1000	0.00	0.03	0.05	0.09	0.12	0.13
1200	1.19	1.52	1.70	2.05	2.43	2.87	3.12	3.42	3.72	4.33	1200	0.00	0.03	0.07	0.10	0.14	0.16
1400	1.34	1.71	1.90	2.31	2.74	3.25	3.51	3.86	4.20	4.88	1400	0.00	0.04	0.08	0.12	0.16	0.18
1600	1.47	1.88	2.10	2.54	3.03	3.58	3.89	4.27	4.65	5.39	1600	0.00	0.04	0.10	0.14	0.18	0.20
1800	1.58	2.04	2.28	2.77	3.31	3.92	4.25	4.65	5.06	5.86	1800	0.00	0.05	0.10	0.16	0.20	0.24
2000	1.70	2.20	2.45	2.98	3.56	4.22	4.57	5.00	5.44	6.26	2000	0.00	0.05	0.12	0.17	0.22	0.26
2200	1.80	2.33	2.61	3.18	3.79	4.50	4.86	5.32	5.78	6.65	2200	0.00	0.06	0.13	0.19	0.25	0.28
2400	1.89	2.46	2.76	3.37	4.02	4.75	5.14	5.61	6.08	6.97	2400	0.00	0.07	0.14	0.20	0.28	0.31
2600	1.97	2.59	2.90	3.53	4.21	4.98	5.39	5.87	6.35	7.21	2600	0.00	0.07	0.15	0.22	0.30	0.34
2800	2.05	2.69	3.02	3.69	4.39	5.19	5.60	6.09	6.57		2800	0.00	0.08	0.16	0.25	0.32	0.36
3000	2.11	2.79	3.12	3.83	4.55	5.37	5.78	6.28	6.76		3000	0.00	0.09	0.17	0.26	0.34	0.38
3200	2.18	2.88	3.23	3.95	4.70	5.52	5.93	6.43			3200	0.00	0.10	0.18	0.28	0.37	0.42
3400	2.23	2.95	3.31	4.05	4.81	5.64	6.06				3400	0.00	0.10	0.19	0.29	0.40	0.44
3600	2.26	3.02	3.38	4.15	4.91	5.72					3600	0.00	0.10	0.20	0.31	0.42	0.46
3800	2.30	3.07	3.45	4.22	4.99						3800	0.00	0.11	0.22	0.33	0.44	0.49
4000	2.31	3.11	3.49	4.27							4000	0.00	0.12	0.22	0.34	0.46	0.51
4200	2.33	3.13	3.52	4.30							4200	0.00	0.12	0.25	0.36	0.48	0.54
4400	2.33	3.15	3.53	4.32							4400	0.00	0.13	0.25	0.37	0.50	0.57
4600	2.32	3.15	3.53								4600	0.00	0.13	0.27	0.40	0.52	0.60
4800	2.31	3.13	3.52								4800	0.00	0.14	0.28	0.42	0.55	0.62
5000	2.28	3.10									5000	0.00	0.14	0.29	0.43	0.57	0.64



NuLink Power Ratings for B/17 Section Belt

RPM of Faster Shaft	Basic Kilowatt Rating per Belt for Small Pulley Datum Diameter									RPM of Faster Shaft	Add-on Kilowatt per Belt for Speed Ratio					
	125mm*	132mm*	140mm	160mm	170mm	180mm	190mm	212mm	236mm		1.00 to 1.01	1.05 to 1.07	1.11 to 1.14	1.21 to 1.27	1.40 to 1.64	1.65 and higher
950	2.74	3.06	3.39	4.25	4.66	5.09	5.49	6.38	7.32	950	0.00	0.03	0.05	0.07	0.10	0.11
1450	3.71	4.14	4.62	5.81	6.38	6.96	7.51	8.70	9.92	1450	0.00	0.04	0.07	0.12	0.15	0.17
2850	5.19	5.84	6.54	8.16	8.89					2850	0.00	0.07	0.15	0.23	0.30	0.34
200	0.79	0.87	0.96	1.18	1.28	1.39	1.49	1.72	1.97	200	0.00	0.01	0.01	0.01	0.02	0.02
400	1.40	1.55	1.70	2.11	2.31	2.50	2.70	3.13	3.59	400	0.00	0.01	0.02	0.03	0.04	0.05
600	1.93	2.14	2.36	2.94	3.22	3.51	3.79	4.40	5.05	600	0.00	0.01	0.03	0.05	0.06	0.07
800	2.41	2.69	2.98	3.71	4.08	4.43	4.78	5.58	6.38	800	0.00	0.02	0.04	0.06	0.09	0.09
1000	2.85	3.17	3.53	4.43	4.86	5.29	5.71	6.64	7.62	1000	0.00	0.03	0.05	0.08	0.11	0.12
1200	3.25	3.62	4.04	5.07	5.58	6.08	6.56	7.62	8.71	1200	0.00	0.03	0.06	0.09	0.13	0.15
1400	3.62	4.05	4.51	5.67	6.23	6.79	7.32	8.49	9.70	1400	0.00	0.04	0.07	0.11	0.15	0.17
1600	3.96	4.42	4.93	6.21	6.82	7.43	8.01	9.26	10.53	1600	0.00	0.04	0.09	0.13	0.17	0.18
1800	4.25	4.76	5.32	6.69	7.34	7.99	8.62	9.93	11.24	1800	0.00	0.05	0.09	0.15	0.18	0.22
2000	4.51	5.06	5.65	7.11	7.80	8.48	9.13	10.48	11.79	2000	0.00	0.05	0.11	0.16	0.20	0.24
2200	4.73	5.31	5.94	7.47	8.19	8.89	9.54	10.89		2200	0.00	0.06	0.12	0.17	0.23	0.26
2400	4.91	5.52	6.18	7.76	8.49	9.20	9.86			2400	0.00	0.06	0.13	0.18	0.26	0.29
2600	5.06	5.69	6.38	7.99	8.72	9.43				2600	0.00	0.06	0.14	0.20	0.28	0.31
2800	5.17	5.81	6.51	8.13	8.86					2800	0.00	0.07	0.15	0.23	0.29	0.33
3000	5.23	5.89	6.60							3000	0.00	0.08	0.16	0.24	0.31	0.35
3200	5.25	5.92	6.62							3200	0.00	0.09	0.17	0.26	0.34	0.39
3400	5.23	5.90	6.59							3400	0.00	0.09	0.17	0.27	0.37	0.40
3600	5.17	5.81	6.49							3600	0.00	0.09	0.18	0.29	0.39	0.42

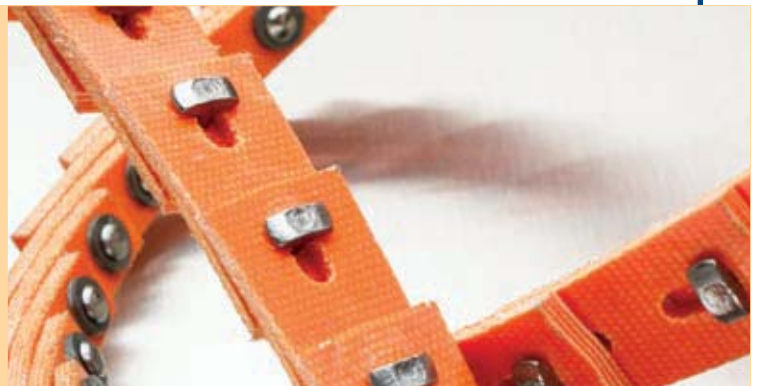
* Indicates diameters below minimum recommended for B/17 V-belt. Can be used only if a reduction in belt service life is acceptable.

NuLink Power Ratings for C/22 Section Belt

RPM of Faster Shaft	Basic Kilowatt Rating per Belt for Small Pulley Datum Diameter								RPM of Faster Shaft	Add-on Kilowatt per Belt for Speed Ratio					
	200mm*	212mm*	236mm	250mm	280mm	300mm	355mm	400mm		1.00 to 1.01	1.05 to 1.07	1.11 to 1.14	1.21 to 1.27	1.40 to 1.64	1.65 and higher
700	5.70	6.33	7.54	8.23	9.70	10.64	13.22	15.22	700	0.00	0.02	0.04	0.06	0.08	0.09
950	7.16	7.96	9.60	10.37	12.19	13.39	16.49	18.84	950	0.00	0.03	0.05	0.08	0.11	0.12
1450	9.40	10.46	12.46	13.58	15.84	17.25	20.64		1450	0.00	0.04	0.08	0.13	0.16	0.19
200	2.06	2.27	2.67	2.91	3.40	3.73	4.62	5.34	200	0.00	0.01	0.01	0.01	0.02	0.02
400	3.66	4.05	4.79	5.23	6.14	6.75	8.40	9.70	400	0.00	0.01	0.02	0.03	0.04	0.05
600	5.07	5.61	6.67	7.29	8.58	9.43	11.71	13.52	600	0.00	0.01	0.03	0.05	0.07	0.08
800	6.32	7.01	8.35	9.12	10.75	11.80	14.61	16.78	800	0.00	0.02	0.04	0.07	0.10	0.10
1000	7.42	8.25	9.84	10.75	12.65	13.87	17.06	19.45	1000	0.00	0.03	0.05	0.09	0.12	0.13
1200	8.39	9.34	11.13	12.15	14.27	15.61	19.01		1200	0.00	0.03	0.07	0.10	0.14	0.16
1400	9.22	10.26	12.22	13.33	15.56	16.96			1400	0.00	0.04	0.08	0.12	0.16	0.18
1600	9.90	11.01	13.09	14.24	16.54	17.93			1600	0.00	0.04	0.10	0.14	0.18	0.20
1800	10.42	11.58	13.72	14.88					1800	0.00	0.05	0.10	0.16	0.20	0.24
2000	10.77	11.95	14.09						2000	0.00	0.05	0.12	0.17	0.22	0.26
2200	10.93	12.12							2200	0.00	0.06	0.13	0.19	0.25	0.28

* Indicates diameters below minimum recommended for C/22 V-belt. Can be used only if a reduction in belt service life is acceptable.

- For when your drive needs more “muscle.”
- Ideal for heavier shock loaded applications and reciprocated engine powered drives.
- Exclusive T-stud for easy assembly.
- Highly resistant to oil, water, chemicals and extreme temperatures.
- Easy to fit — no need to dismantle drives.
- Reduces transmitted vibration.





SuperTLink Power Ratings for SPZ Section Belt

RPM of Faster Shaft	Basic Kilowatt Rating per Belt for Small Pulley Outside Diameter									RPM of Faster Shaft	Add-on Kilowatt per Belt for Speed Ratio				
	71mm	80mm	90mm	100mm	112mm	125mm	140mm	150mm	160mm		1.00 to 1.01	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	1.58 and higher
950	0.83	0.99	1.37	1.65	1.98	2.34	2.57	2.80	3.27	950	0.00	0.01	0.08	0.12	0.13
1450	1.16	1.54	1.95	2.37	2.85	3.36	3.95	4.33	4.71	1450	0.00	0.02	0.13	0.18	0.22
2850	1.94	2.61	3.34	4.06	4.88	5.76	6.72			2850	0.00	0.04	0.25	0.36	0.43
200	0.22	0.28	0.36	0.42	0.54	0.58	0.67	0.75	0.81	200	0.00	0.00	0.02	0.03	0.03
400	0.39	0.52	0.64	0.78	0.92	1.08	1.28	1.39	1.51	400	0.00	0.01	0.03	0.05	0.06
600	0.48	0.75	0.92	1.10	1.51	1.56	1.82	2.01	2.18	600	0.00	0.01	0.06	0.07	0.09
800	0.72	0.94	1.18	1.42	1.70	2.01	2.36	2.59	2.81	800	0.00	0.01	0.07	0.11	0.12
1000	0.87	1.13	1.43	1.72	2.07	2.45	2.64	2.87	3.43	1000	0.00	0.01	0.08	0.12	0.15
1200	1.01	1.32	1.67	2.01	2.42	2.86	3.36	3.68	4.01	1200	0.00	0.02	0.10	0.15	0.18
1400	1.13	1.50	1.90	2.30	2.77	3.27	3.84	4.21	4.58	1400	0.00	0.02	0.12	0.17	0.22
1600	1.25	1.67	2.12	2.57	3.09	3.65	4.30	4.71	5.12	1600	0.00	0.02	0.14	0.20	0.25
1800	1.37	1.83	2.34	2.83	3.41	4.03	4.94	5.18	5.63	1800	0.00	0.03	0.16	0.22	0.28
2000	1.49	2.00	2.54	3.07	3.71	4.39	5.15	5.64	6.13	2000	0.00	0.03	0.18	0.25	0.31
2200	1.61	2.15	2.75	3.33	4.01	4.74	5.55	6.08	6.59	2200	0.00	0.03	0.19	0.28	0.34
2400	1.71	2.30	2.93	3.56	4.30	5.07	5.94	6.21	7.04	2400	0.00	0.03	0.22	0.31	0.37
2600	1.80	2.45	3.12	3.71	4.57	5.38	6.30	6.88	7.44	2600	0.00	0.04	0.22	0.33	0.40
2800	1.92	2.57	3.30	4.01	4.82	5.69	6.64	7.25	7.84	2800	0.00	0.04	0.25	0.36	0.43
3000	2.00	2.71	3.47	4.21	5.07	5.97	6.96	7.59	8.19	3000	0.00	0.04	0.27	0.37	0.45
3200	2.08	2.83	3.62	4.41	5.32	6.24	7.26	7.90		3200	0.00	0.05	0.28	0.40	0.50
3400	2.14	2.95	3.79	4.60	5.54	6.50	7.53			3400	0.00	0.05	0.30	0.43	0.52
3600	2.24	3.06	3.93	4.78	5.74	6.73				3600	0.00	0.05	0.31	0.45	0.55
3800	2.32	3.17	4.07	5.03	5.94	6.94				3800	0.00	0.05	0.34	0.48	0.58
4000	2.39	3.27	4.21	5.10	6.12					4000	0.00	0.05	0.36	0.50	0.61
4200	2.45	3.36	4.33	5.24	6.28					4200	0.00	0.06	0.37	0.52	0.64
4400	2.51	3.45	4.44	5.38						4400	0.00	0.06	0.39	0.55	0.67
4600	2.57	3.53	4.54	5.50						4600	0.00	0.07	0.41	0.57	0.70
4800	2.62	3.60	4.63	5.61						4800	0.00	0.07	0.42	0.60	0.73
5000	2.65	3.67	4.72							5000	0.00	0.07	0.44	0.63	0.78
5200	2.70	3.74	4.81							5200	0.00	0.07	0.45	0.64	0.80
5400	2.73	3.78	4.86							5400	0.00	0.07	0.48	0.67	0.83
5600	2.75	3.83								5600	0.00	0.08	0.51	0.74	0.90
5800	2.78	3.86								5800	0.00	0.08	0.58	0.76	0.93
6000	2.79	3.89								6000	0.00	0.09	0.56	0.79	0.97
6200	2.81									6200	0.00	0.09	0.57	0.81	1.00
6400	2.81									6400	0.00	0.09	0.59	0.84	1.00

SuperTLink Power Ratings for SPA Section Belt

RPM of Faster Shaft	Basic Kilowatt Rating per Belt for Small Pulley Outside Diameter									RPM of Faster Shaft	Add-on Kilowatt per Belt for Speed Ratio				
	90mm	100mm	112mm	125mm	140mm	150mm	160mm	200mm	250mm		1.00 to 1.01	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	1.58 and higher
950	1.42	1.87	2.44	3.04	3.67	4.16	4.61	6.36	8.47	950	0.00	0.03	0.19	0.28	0.34
1450	1.94	2.62	3.44	4.30	5.29	5.90	6.57	9.05	11.95	1450	0.00	0.05	0.29	0.42	0.52
2850	2.98	4.18	5.64	7.05	8.67					2850	0.00	0.08	0.58	0.83	0.94
200	0.40	0.51	0.64	0.78	0.95	1.06	1.16	2.29	2.11	200	0.00	0.01	0.04	0.06	0.07
400	0.72	0.92	1.18	1.45	1.76	1.95	2.17	2.96	3.95	400	0.00	0.01	0.08	0.08	0.14
600	0.98	1.29	1.66	2.06	2.50	2.80	3.09	4.26	5.68	600	0.00	0.02	0.12	0.17	0.22
800	1.23	1.63	2.12	2.62	3.02	3.59	3.98	5.48	7.32	800	0.00	0.03	0.16	0.22	0.28
1000	1.48	1.95	2.54	3.18	3.89	4.35	4.82	6.65	8.86	1000	0.00	0.03	0.22	0.30	0.36
1200	1.68	2.26	2.95	3.68	4.52	5.07	5.62	7.75	10.30	1200	0.00	0.04	0.25	0.36	0.43
1400	1.89	2.56	3.34	4.18	5.14	5.72	6.38	8.80	11.64	1400	0.00	0.05	0.28	0.41	0.50
1600	2.08	2.82	3.71	4.65	5.72	6.43	7.11	9.78	12.86	1600	0.00	0.05	0.33	0.47	0.57
1800	2.25	3.07	4.06	5.10	6.28	7.05	7.80	10.69	14.49	1800	0.00	0.06	0.37	0.52	0.67
2000	2.42	3.33	4.39	5.53	6.80	7.63	8.44	11.54		2000	0.00	0.07	0.41	0.58	0.72
2200	2.57	3.56	4.71	5.93	7.30	8.20	9.05	12.30		2200	0.00	0.07	0.45	0.64	0.78
2400	2.71	3.76	5.00	6.30	7.76	8.69	9.61	12.98		2400	0.00	0.07	0.50	0.69	0.86
2600	2.84	3.96	5.27	6.65	7.37	9.16	10.12			2600	0.00	0.08	0.53	0.75	0.92
2800	2.95	4.15	5.53	6.97	8.58	9.60	10.58			2800	0.00	0.08	0.57	0.81	1.00
3000	3.06	4.30	5.76	7.28	8.94	9.98	10.99			3000	0.00	0.09	0.62	0.87	1.07
3200	3.15	4.46	5.97	7.55	9.25	10.33				3200	0.00	0.10	0.66	0.92	1.14
3400	3.22	4.59	6.17	7.78	9.52					3400	0.00	0.10	0.69	0.98	1.21
3600	3.28	4.71	6.32	7.99						3600	0.00	0.11	0.73	1.05	1.28
3800	3.33	4.81	6.47	8.17						3800	0.00	0.12	0.78	1.10	1.35
4000	3.37	4.88	6.59	8.31						4000	0.00	0.12	0.81	1.25	1.42
4200	3.40	4.94	6.69							4200	0.00	0.13	0.86	1.22	1.49
4400	3.40	4.99	6.75							4400	0.00	0.14	0.89	1.28	1.57
4600	3.39	5.00								4600	0.00	0.14	0.94	1.34	1.63
4800	3.37	5.00								4800	0.00	0.15	0.98	1.39	1.71
5000	3.33									5000	0.00	0.16	1.03	1.45	1.77
5200	3.28									5200	0.00	0.16	1.07	1.54	1.85

SUPER T LINK

SP WEDGE BELTS

SuperTLink Power Ratings for SPB Section Belt

RPM of Faster Shaft	Basic Kilowatt Rating per Belt for Small Pulley Outside Diameter									RPM of Faster Shaft	Add-on Kilowatt per Belt for Speed Ratio				
	140mm	150mm	160mm	180mm	200mm	224mm	250mm	315mm	355mm		1.00 to 1.01	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	1.58 and higher
950	4.21	4.92	5.64	6.73	8.49	10.14	11.63	15.86	18.64	950	0.00	0.07	0.43	0.60	0.75
1450	5.79	6.83	7.87	9.90	11.89	14.68	16.61			1450	0.00	0.10	0.66	0.93	1.13
2850	8.61									2850	0.00	0.20	1.28	1.82	2.24
200	1.14	1.31	1.49	1.83	2.18	2.59	3.02	4.10	4.76	200	0.00	0.01	0.08	0.07	0.15
400	2.06	2.39	2.73	3.38	4.03	3.71	5.63	5.93	8.91	400	0.00	0.03	0.18	0.25	0.31
600	2.89	3.37	3.86	4.81	4.90	6.86	6.88	10.98	12.73	600	0.00	0.04	0.27	0.38	0.47
800	3.47	4.29	4.90	6.14	7.35	8.78	9.20	14.04	16.25	800	0.00	0.06	0.36	0.51	0.63
1000	4.46	5.13	5.88	7.38	8.86	10.59	12.45	16.86	19.45	1000	0.00	0.07	0.45	0.64	0.78
1200	5.03	5.91	6.81	8.56	10.28	12.28	14.40	19.42	22.27	1200	0.00	0.08	0.54	0.78	0.94
1400	5.64	6.66	7.67	9.65	11.59	13.84	16.20	21.68		1400	0.00	0.09	0.63	0.89	1.09
1600	6.20	7.35	8.46	10.67	12.80	17.17	17.82			1600	0.00	0.11	0.72	1.03	1.25
1800	6.73	7.97	9.20	11.60	13.91	16.55	19.25			1800	0.00	0.12	0.81	1.15	1.40
2000	7.19	8.55	9.87	12.45	14.90	17.68				2000	0.00	0.14	0.90	1.28	1.57
2200	7.61	9.06	10.47	13.18	15.76					2200	0.00	0.15	0.98	1.40	1.72
2400	7.99	9.51	11.00	13.84	16.50					2400	0.00	0.17	1.08	1.53	1.89
2600	8.30	9.90	11.45	14.39						2600	0.00	0.18	1.17	1.66	2.04
2800	8.56	10.22	11.82							2800	0.00	0.20	1.26	1.78	2.20
3000	8.75	10.47	12.11							3000	0.00	0.22	1.35	1.92	2.34
3200	8.89									3200	0.00	0.22	1.45	2.04	2.51
3400	8.97									3400	0.00	0.24	1.53	2.18	2.66

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