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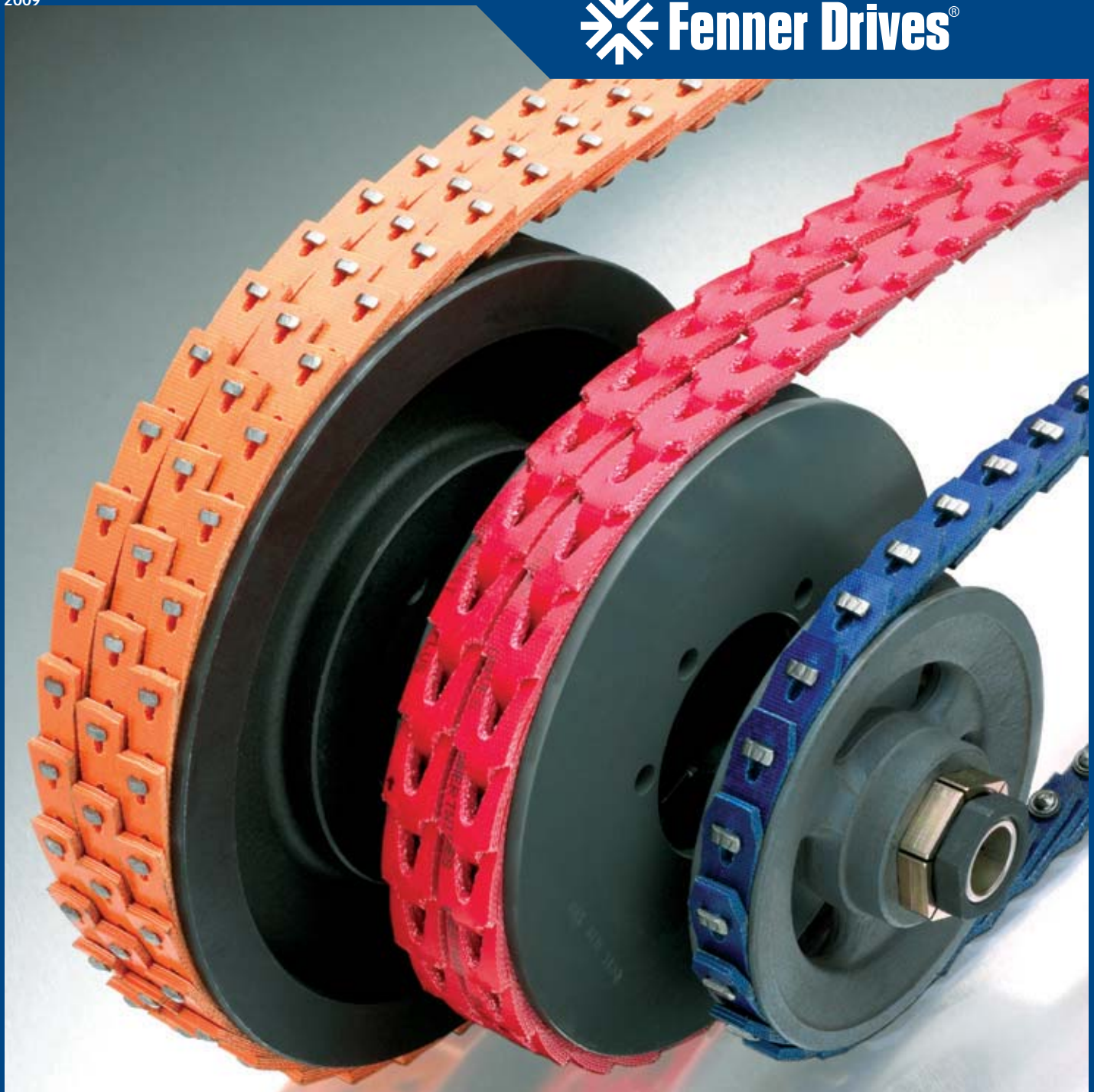

# High Performance Composite V-Belts

NuTLink V-Belts® | PowerTwist Plus V-Belts® | SuperTLink SP Wedge Belts®

## Technical Data & Power Ratings

Imperial System



 HPCTI-01

# 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 HP rating and RPM.
3. The speed of the driven machine or speed ratio.
4. The approximate center distance between shafts.

Example:
7½ HP 1750 RPM, NEMA A, electric motor driving a restaurant roof top exhaust fan. Current drive consists of a 5.4 x 2B pulley on the motor, a 6.8 x 2B pulley on the fan and a center distance of about 22". Runs 16 – 24 hours/day.

## Step 1. Find the Design Horsepower

A. From Table 1 we select 1.2 SF, i.e. NEMA A motor, Fan up to 10 HP

B. DHP = 7.5 HP × 1.2 SF = 9.0 DHP

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 | | | | | |
|---|---|---|---|---|---|---|
| | AC Motors: Normal Torque (NEMA A-B), Squirrel Cage, Synchronous, Split Phase<br>DC Motors: Shunt Wound<br>Engines: Multiple Cylinder Internal Combustion | | | AC Motors: High Torque (NEMA C-D), High Slip, Repulsion, Induction, Single Phase, Slip Ring, Series Wound<br>DC Motors: Series Wound, Compound Wound<br>Engines: Single Cylinder Internal Combustion<br>Lineshafts, Clutches | | |
| | 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 10 HP); 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 10 HP); 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.
6.8 ÷ 5.4 = 1.26:1

B. Calculate Belt HP Rating.
1. Refer to the PowerTwist Plus power rating table for "B" cross section belt. Using the faster shaft RPM of 1750, read across to column headed 5.4" and find 5.43. This is the basic HP rating. Read across on the same line under the **Add-on Horsepower** rating section, in column headed 1.21 to 1.27, read .19. Adding .19 to 5.43 gives 5.62 rated HP per belt.

C. Determine the Arc of Contact Correction Factor.
1. Calculate (D - d) ÷ C and find factor K$\phi$ from Table 2.

Where: D = 6.8, d = 5.4 and C = 22
(6.8 - 5.4) ÷ 22 = 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 = 6.8, d = 5.4 and C = 22
Belt Length = 63.2 inches
From Table 3, under "B" cross section and between a 60 and 68 inch belt factor $L_C$ is .93.

E. Calculate Corrected HP per Belt.
1. Corrected HP per Belt = Rated HP per belt × Factor K$\phi$ × Factor $L_C$
Corrected HP per Belt = 5.62 × 1.00 × .93 = 5.23

## Step 3. Find the Number of Belts Required

A. Divide the Design Horsepower by the Corrected Horsepower 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.
DHP ÷ CHP = 9.0 ÷ 5.23 = 1.72.

Two PowerTwist Plus belts are okay for the application.

## Arc of Contact Correction Factor (Kϕ) for V-Belt Drives

| $\frac{D - d}{C}$ | Arc of Contact, ϕ on Small Pulley Diameter (degrees) | Factor Kϕ 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 = center distance

## Belt Length Correction Factors ($L_c$)

| Length (inches) | Belt Cross Section A/13 | B/17 | C/22 | Length (mm) | Belt Cross Section SPZ | SPA | SPB |
|---|---|---|---|---|---|---|---|
| 26 | 0.78 | | | 512 | 0.79 | | |
| 31 | 0.82 | | | 630 | 0.83 | | |
| 35 | 0.85 | 0.80 | | 710 | 0.85 | | |
| 38 | 0.87 | 0.82 | | 800 | 0.87 | 0.81 | |
| 42 | 0.89 | 0.84 | | 900 | 0.89 | 0.83 | |
| 46 | 0.91 | 0.86 | | 1000 | 0.91 | 0.85 | |
| 51 | 0.93 | 0.88 | 0.80 | 1120 | 0.93 | 0.86 | |
| 55 | 0.95 | 0.89 | 0.83 | 1250 | 0.95 | 0.88 | 0.83 |
| 60 | 0.97 | 0.91 | 0.83 | 1400 | 0.98 | 0.90 | 0.85 |
| 68 | 1.00 | 0.94 | 0.85 | 1500 | 0.99 | 0.91 | 0.86 |
| 75 | 1.02 | 0.96 | 0.87 | 1600 | 1.00 | 0.92 | 0.87 |
| 80 | 1.04 | 0.98 | 0.88 | 1800 | 1.02 | 0.94 | 0.89 |
| 81 | 1.05 | 0.98 | 0.89 | 2000 | 1.04 | 0.96 | 0.91 |
| 85 | 1.05 | 0.99 | 0.90 | 2240 | 1.06 | 0.98 | 0.93 |
| 90 | 1.07 | 1.00 | 0.91 | 2500 | 1.08 | 1.00 | 0.94 |
| 96 | 1.08 | 1.02 | 0.92 | 2800 | 1.10 | 1.02 | 0.96 |
| 97 | 1.10 | 1.02 | 0.94 | 3150 | 1.12 | 1.04 | 0.98 |
| 105 | 1.10 | 1.03 | 0.94 | 3550 | 1.15 | 1.06 | 1.00 |
| 112 | 1.12 | 1.05 | 0.95 | 4000 | | | 1.02 |
| 120 | 1.13 | 1.06 | 0.96 | 4500 | | | 1.04 |
| 128 | 1.15 | 1.08 | 0.98 | 5000 | | | 1.05 |
| 144 | | 1.10 | 1.00 | 5600 | | | 1.07 |
| 158 | | 1.12 | 1.02 | 6300 | | | 1.09 |
| 173 | | 1.14 | 1.04 | 7100 | | | 1.11 |
| 180 | | 1.15 | 1.05 | 7500 | | | 1.12 |
| 195 | | 1.17 | 1.07 | 8000 | | | 1.13 |
| 210 | | 1.18 | 1.08 | | | | |
| 240 | | 1.22 | 1.10 | | | | |
| 270 | | 1.24 | 1.13 | | | | |
| 300 | | 1.27 | 1.15 | | | | |
| 330 | | | 1.17 | | | | |
| 360 | | | 1.18 | | | | |
| 390 | | | 1.20 | | | | |
| 420 | | | 1.21 | | | | |

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 = center distance

PowerTwist Plus® V-BELTS

## PowerTwist Plus Power Ratings for 3L Section Belt

| RPM of Faster Shaft | Basic Horsepower per Belt for Small Pulley Datum Diameter | | | | | | RPM of Faster Shaft | Basic Horsepower per Belt for Small Pulley Datum Diameter | | | | | | RPM of Faster Shaft | Basic Horsepower per Belt for Small Pulley Datum Diameter | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.00" | 2.50" | 3.00" | 3.50" | 4.00" | 4.50" | | 2.00" | 2.50" | 3.00" | 3.50" | 4.00" | 4.50" | | 2.00" | 2.50" | 3.00" | 3.50" | 4.00" | 4.50" |
| 1160 | 0.19 | 0.30 | 0.40 | 0.50 | 0.59 | 0.68 | 1800 | 0.27 | 0.42 | 0.56 | 0.70 | 0.83 | 0.96 | 3400 | 0.40 | 0.64 | 0.85 | 1.04 | 1.19 | 1.30 |
| 1750 | 0.26 | 0.41 | 0.55 | 0.69 | 0.82 | 0.94 | 2000 | 0.29 | 0.45 | 0.61 | 0.76 | 0.90 | 1.03 | 3600 | 0.42 | 0.66 | 0.87 | 1.05 | 1.20 | |
| 3450 | 0.41 | 0.65 | 0.86 | 1.04 | 1.19 | 1.30 | 2200 | 0.31 | 0.49 | 0.65 | 0.81 | 0.96 | 1.10 | 3800 | 0.43 | 0.68 | 0.89 | 1.07 | | |
| 800 | 0.15 | 0.22 | 0.29 | 0.36 | 0.43 | 0.50 | 2400 | 0.33 | 0.52 | 0.69 | 0.86 | 1.01 | 1.15 | 4000 | 0.43 | 0.69 | 0.91 | 1.08 | | |
| 1000 | 0.17 | 0.26 | 0.35 | 0.44 | 0.52 | 0.61 | 2600 | 0.35 | 0.55 | 0.73 | 0.90 | 1.06 | 1.20 | 4200 | 0.44 | 0.70 | 0.92 | | | |
| 1200 | 0.20 | 0.31 | 0.41 | 0.51 | 0.61 | 0.70 | 2800 | 0.36 | 0.57 | 0.77 | 0.94 | 1.10 | 1.24 | 4400 | 0.45 | 0.71 | | | | |
| 1400 | 0.22 | 0.35 | 0.46 | 0.58 | 0.69 | 0.79 | 3000 | 0.38 | 0.60 | 0.80 | 0.98 | 1.14 | 1.27 | 4600 | 0.45 | 0.72 | | | | |
| 1600 | 0.25 | 0.38 | 0.51 | 0.64 | 0.76 | 0.88 | 3200 | 0.39 | 0.62 | 0.83 | 1.01 | 1.17 | 1.29 | 4800 | 0.46 | | | | | |

## PowerTwist Plus Power Ratings for A/13 Section Belt

| RPM of Faster Shaft | Basic Horsepower per Belt for Small Pulley Datum Diameter | | | | | | | | | | RPM of Faster Shaft | Add-on Horsepower per Belt for Speed Ratio | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3.00" | 3.40" | 3.80" | 4.20" | 4.80" | 5.20" | 5.60" | 6.00" | 6.40" | 7.00" | | 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 |
| 1160 | 1.17 | 1.53 | 1.89 | 2.24 | 2.76 | 3.10 | 3.44 | 3.77 | 4.10 | 4.58 | 1160 | 0.00 | 0.04 | 0.08 | 0.13 | 0.17 | 0.19 |
| 1750 | 1.55 | 2.07 | 2.58 | 3.07 | 3.80 | 4.27 | 4.74 | 5.19 | 5.64 | 6.29 | 1750 | 0.00 | 0.06 | 0.13 | 0.19 | 0.26 | 0.29 |
| 3450 | 2.29 | 3.16 | 4.00 | 4.80 | 5.93 | 6.64 | 7.30 | | | | 3450 | 0.00 | 0.13 | 0.25 | 0.38 | 0.50 | 0.57 |
| 200 | 0.30 | 0.38 | 0.45 | 0.53 | 0.64 | 0.71 | 0.78 | 0.85 | 0.93 | 1.03 | 200 | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.03 |
| 400 | 0.52 | 0.67 | 0.81 | 0.94 | 1.15 | 1.29 | 1.42 | 1.55 | 1.68 | 1.88 | 400 | 0.00 | 0.01 | 0.03 | 0.04 | 0.06 | 0.07 |
| 600 | 0.72 | 0.92 | 1.12 | 1.32 | 1.62 | 1.81 | 2.00 | 2.19 | 3.03 | 2.66 | 600 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.10 |
| 800 | 0.89 | 1.15 | 1.41 | 1.67 | 2.05 | 2.30 | 2.54 | 2.79 | 3.03 | 3.38 | 800 | 0.00 | 0.03 | 0.06 | 0.09 | 0.12 | 0.13 |
| 1000 | 1.05 | 1.37 | 1.69 | 2.00 | 2.45 | 2.76 | 3.05 | 3.35 | 3.64 | 4.07 | 1000 | 0.00 | 0.04 | 0.07 | 0.11 | 0.15 | 0.16 |
| 1200 | 1.20 | 1.57 | 1.94 | 2.31 | 2.84 | 3.19 | 3.54 | 3.88 | 4.21 | 4.71 | 1200 | 0.00 | 0.04 | 0.09 | 0.13 | 0.18 | 0.20 |
| 1400 | 1.34 | 1.76 | 2.18 | 2.60 | 3.21 | 3.60 | 3.99 | 4.38 | 4.76 | 5.32 | 1400 | 0.00 | 0.05 | 0.10 | 0.15 | 0.20 | 0.23 |
| 1600 | 1.46 | 1.94 | 2.41 | 2.87 | 3.55 | 3.99 | 4.43 | 4.85 | 5.27 | 5.89 | 1600 | 0.00 | 0.06 | 0.12 | 0.18 | 0.23 | 0.26 |
| 1800 | 1.58 | 2.11 | 2.63 | 3.14 | 3.88 | 4.36 | 4.84 | 5.30 | 5.76 | 6.42 | 1800 | 0.00 | 0.07 | 0.13 | 0.20 | 0.26 | 0.30 |
| 2000 | 1.69 | 2.27 | 2.84 | 3.39 | 4.19 | 4.71 | 5.23 | 5.72 | 6.21 | 6.92 | 2000 | 0.00 | 0.07 | 0.15 | 0.22 | 0.29 | 0.33 |
| 2200 | 1.80 | 2.42 | 3.03 | 3.62 | 4.49 | 5.05 | 5.59 | 6.12 | 6.63 | 7.37 | 2200 | 0.00 | 0.08 | 0.16 | 0.24 | 0.32 | 0.36 |
| 2400 | 1.89 | 2.56 | 3.21 | 3.85 | 4.77 | 5.36 | 5.93 | 6.48 | 7.02 | 7.79 | 2400 | 0.00 | 0.09 | 0.18 | 0.26 | 0.35 | 0.39 |
| 2600 | 1.98 | 2.69 | 3.39 | 4.06 | 5.03 | 5.65 | 6.25 | 6.82 | 7.38 | 8.17 | 2600 | 0.00 | 0.09 | 0.19 | 0.29 | 0.38 | 0.43 |
| 2800 | 2.07 | 2.82 | 3.55 | 4.25 | 5.27 | 5.91 | 6.54 | 7.13 | 7.70 | | 2800 | 0.00 | 0.10 | 0.20 | 0.31 | 0.41 | 0.46 |
| 3000 | 2.14 | 2.93 | 3.70 | 4.44 | 5.49 | 6.16 | 6.80 | 7.41 | 7.99 | | 3000 | 0.00 | 0.11 | 0.22 | 0.33 | 0.44 | 0.49 |
| 3200 | 2.21 | 3.04 | 3.84 | 4.61 | 5.70 | 6.39 | 7.04 | 7.66 | | | 3200 | 0.00 | 0.12 | 0.23 | 0.35 | 0.47 | 0.53 |
| 3400 | 2.27 | 3.14 | 3.97 | 4.76 | 5.89 | 6.59 | 7.25 | | | | 3400 | 0.00 | 0.12 | 0.25 | 0.37 | 0.50 | 0.56 |
| 3600 | 2.33 | 3.23 | 4.09 | 4.91 | 6.06 | 6.77 | | | | | 3600 | 0.00 | 0.13 | 0.26 | 0.39 | 0.53 | 0.59 |
| 3800 | 2.38 | 3.31 | 4.19 | 5.04 | 6.21 | | | | | | 3800 | 0.00 | 0.14 | 0.28 | 0.42 | 0.56 | 0.63 |
| 4000 | 2.42 | 3.38 | 4.29 | 5.15 | | | | | | | 4000 | 0.00 | 0.15 | 0.29 | 0.44 | 0.59 | 0.66 |
| 4200 | 2.45 | 3.44 | 4.37 | 5.25 | | | | | | | 4200 | 0.00 | 0.15 | 0.31 | 0.46 | 0.61 | 0.69 |
| 4400 | 2.48 | 3.50 | 4.45 | 5.33 | | | | | | | 4400 | 0.00 | 0.16 | 0.32 | 0.48 | 0.64 | 0.72 |
| 4600 | 2.51 | 3.54 | 4.51 | | | | | | | | 4600 | 0.00 | 0.17 | 0.34 | 0.50 | 0.67 | 0.76 |
| 4800 | 2.52 | 3.58 | 4.55 | | | | | | | | 4800 | 0.00 | 0.18 | 0.35 | 0.53 | 0.70 | 0.79 |
| 5000 | 2.53 | 3.60 | | | | | | | | | 5000 | 0.00 | 0.18 | 0.37 | 0.55 | 0.73 | 0.82 |
| 5200 | 2.53 | 3.62 | | | | | | | | | 5200 | 0.00 | 0.19 | 0.38 | 0.57 | 0.76 | 0.86 |
| 5400 | 2.52 | 3.62 | | | | | | | | | 5400 | 0.00 | 0.20 | 0.39 | 0.59 | 0.79 | 0.89 |

PowerTwist Plus® V-BELTS

## PowerTwist Plus Power Ratings for B/17 Section Belt

| RPM of Faster Shaft | Basic Horsepower per Belt for Small Pulley Datum Diameter | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5.00"* | 5.20"* | 5.40" | 6.00" | 6.40" | 6.80" | 7.40" | 8.60" | 9.40" |
| 1160 | 3.51 | 3.81 | 4.11 | 4.99 | 5.57 | 6.14 | 6.99 | 8.62 | 9.68 |
| 1750 | 4.61 | 5.02 | 5.43 | 6.64 | 7.43 | 8.20 | 9.32 | 11.44 | 12.76 |
| 3450 | 6.02 | 6.65 | 7.22 | | | | | | |
| 200 | 0.89 | 0.96 | 1.02 | 1.21 | 1.34 | 1.46 | 1.65 | 2.02 | 2.26 |
| 400 | 1.57 | 1.69 | 1.80 | 2.16 | 2.39 | 2.62 | 2.97 | 3.65 | 4.10 |
| 600 | 2.15 | 2.32 | 2.49 | 3.00 | 3.33 | 3.66 | 4.15 | 5.12 | 5.75 |
| 800 | 2.68 | 2.90 | 3.12 | 3.76 | 4.19 | 4.61 | 5.24 | 6.46 | 7.26 |
| 1000 | 3.16 | 3.42 | 3.69 | 4.47 | 4.98 | 5.49 | 6.24 | 7.71 | 8.65 |
| 1200 | 3.59 | 3.90 | 4.21 | 5.12 | 5.71 | 6.30 | 7.17 | 8.84 | 9.92 |
| 1400 | 3.99 | 4.34 | 4.69 | 5.72 | 6.39 | 7.05 | 8.02 | 9.88 | 11.07 |
| 1600 | 4.36 | 4.75 | 5.13 | 6.27 | 7.00 | 7.73 | 8.79 | 10.81 | 12.09 |
| 1800 | 4.69 | 5.11 | 5.53 | 6.76 | 7.57 | 8.35 | 9.49 | 11.63 | 12.97 |
| 2000 | 4.98 | 5.44 | 5.89 | 7.21 | 8.07 | 8.90 | 10.10 | 12.34 | 13.70 |
| 2200 | 5.24 | 5.73 | 6.21 | 7.61 | 8.51 | 9.38 | 10.64 | 12.93 | |
| 2400 | 5.47 | 5.98 | 6.49 | 7.96 | 8.90 | 9.80 | 11.08 | | |
| 2600 | 5.66 | 6.19 | 6.72 | 8.25 | 9.22 | 10.14 | | | |
| 2800 | 5.81 | 6.37 | 6.92 | 8.49 | 9.47 | 10.40 | | | |
| 3000 | 5.93 | 6.50 | 7.06 | 8.66 | | | | | |
| 3200 | 6.00 | 6.59 | 7.17 | | | | | | |
| 3400 | 6.04 | 6.64 | 7.22 | | | | | | |
| 3600 | 6.04 | 6.64 | 7.22 | | | | | | |

| RPM of Faster Shaft | Add-on Horsepower per Belt for Speed Ratio | | | | | |
|---|---|---|---|---|---|---|
| | 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 |
| 1160 | 0.00 | 0.04 | 0.08 | 0.13 | 0.17 | 0.19 |
| 1750 | 0.00 | 0.06 | 0.13 | 0.19 | 0.26 | 0.29 |
| 3450 | 0.00 | 0.13 | 0.25 | 0.38 | 0.50 | 0.57 |
| 200 | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.03 |
| 400 | 0.00 | 0.01 | 0.03 | 0.04 | 0.06 | 0.07 |
| 600 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.10 |
| 800 | 0.00 | 0.03 | 0.06 | 0.09 | 0.12 | 0.13 |
| 1000 | 0.00 | 0.04 | 0.07 | 0.11 | 0.15 | 0.16 |
| 1200 | 0.00 | 0.04 | 0.09 | 0.13 | 0.18 | 0.20 |
| 1400 | 0.00 | 0.05 | 0.10 | 0.15 | 0.20 | 0.23 |
| 1600 | 0.00 | 0.06 | 0.12 | 0.18 | 0.23 | 0.26 |
| 1800 | 0.00 | 0.07 | 0.13 | 0.20 | 0.26 | 0.30 |
| 2000 | 0.00 | 0.07 | 0.15 | 0.22 | 0.29 | 0.33 |
| 2200 | 0.00 | 0.08 | 0.16 | 0.24 | 0.32 | 0.36 |
| 2400 | 0.00 | 0.09 | 0.18 | 0.26 | 0.35 | 0.39 |
| 2600 | 0.00 | 0.09 | 0.19 | 0.29 | 0.38 | 0.43 |
| 2800 | 0.00 | 0.10 | 0.20 | 0.31 | 0.41 | 0.46 |
| 3000 | 0.00 | 0.11 | 0.22 | 0.33 | 0.44 | 0.49 |
| 3200 | 0.00 | 0.12 | 0.23 | 0.35 | 0.47 | 0.53 |
| 3400 | 0.00 | 0.12 | 0.25 | 0.37 | 0.50 | 0.56 |
| 3600 | 0.00 | 0.13 | 0.26 | 0.39 | 0.53 | 0.59 |

* *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 Horsepower per Belt for Small Pulley Datum Diameter | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 8.00"* | 8.50"* | 9.00" | 10.00" | 11.00" | 12.00" | 14.00" | 16.00" |
| 870 | 8.41 | 9.43 | 10.44 | 12.41 | 14.34 | 16.23 | 19.84 | 23.25 |
| 1160 | 10.21 | 11.48 | 12.73 | 15.16 | 17.50 | 19.75 | 23.96 | 27.77 |
| 1750 | 12.78 | 14.41 | 15.98 | 18.96 | | | | |
| 200 | 2.68 | 2.97 | 3.25 | 3.82 | 4.38 | 4.93 | 6.02 | 7.09 |
| 400 | 4.68 | 5.21 | 5.74 | 6.78 | 7.80 | 8.82 | 10.80 | 12.75 |
| 600 | 6.40 | 7.15 | 7.90 | 9.37 | 10.81 | 12.23 | 15.00 | 17.67 |
| 800 | 7.92 | 8.87 | 9.82 | 11.67 | 13.48 | 15.26 | 18.67 | 21.92 |
| 1000 | 9.26 | 10.39 | 11.52 | 13.71 | 15.84 | 17.91 | 21.83 | 25.48 |
| 1200 | 10.43 | 11.73 | 13.01 | 15.49 | 17.88 | 20.17 | 24.44 | |
| 1400 | 11.43 | 12.87 | 14.28 | 17.00 | 19.59 | 22.02 | | |
| 1600 | 12.27 | 13.83 | 15.34 | 18.23 | 20.94 | 23.44 | | |
| 1800 | 12.93 | 14.58 | 16.17 | 19.17 | | | | |
| 2000 | 13.41 | 15.12 | 16.75 | | | | | |
| 2200 | 13.69 | 15.44 | | | | | | |

| RPM of Faster Shaft | Add-on Horsepower per Belt for Speed Ratio | | | | | |
|---|---|---|---|---|---|---|
| | 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 |
| 870 | 0.00 | 0.03 | 0.06 | 0.10 | 0.13 | 0.14 |
| 1160 | 0.00 | 0.04 | 0.08 | 0.13 | 0.17 | 0.19 |
| 1750 | 0.00 | 0.06 | 0.13 | 0.19 | 0.26 | 0.29 |
| 200 | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.03 |
| 400 | 0.00 | 0.01 | 0.03 | 0.04 | 0.06 | 0.07 |
| 600 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.10 |
| 800 | 0.00 | 0.03 | 0.06 | 0.09 | 0.12 | 0.13 |
| 1000 | 0.00 | 0.04 | 0.07 | 0.11 | 0.15 | 0.16 |
| 1200 | 0.00 | 0.04 | 0.09 | 0.13 | 0.18 | 0.20 |
| 1400 | 0.00 | 0.05 | 0.10 | 0.15 | 0.20 | 0.23 |
| 1600 | 0.00 | 0.06 | 0.12 | 0.18 | 0.23 | 0.26 |
| 1800 | 0.00 | 0.07 | 0.13 | 0.20 | 0.26 | 0.30 |
| 2000 | 0.00 | 0.07 | 0.15 | 0.22 | 0.29 | 0.33 |
| 2200 | 0.00 | 0.08 | 0.16 | 0.24 | 0.32 | 0.36 |

* *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.

NUTLINK® V-BELTS

## NuTLink Power Ratings for A/13 Section Belt

| RPM of Faster Shaft | Basic Horsepower per Belt for Small Pulley Datum Diameter | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 3.00" | 3.40" | 3.80" | 4.20" | 4.80" | 5.20" | 5.60" | 6.00" | 6.40" | 7.00" |
| 1160 | 1.41 | 1.85 | 2.29 | 2.72 | 3.36 | 3.78 | 4.18 | 4.59 | 4.99 | 5.59 |
| 1750 | 1.85 | 2.49 | 3.11 | 3.71 | 4.59 | 5.17 | 5.73 | 6.28 | 6.82 | 7.60 |
| 3450 | 2.62 | 3.65 | 4.64 | 5.57 | 6.86 | 7.64 | 8.35 | 8.96 | 9.57 | |
| 200 | 0.37 | 0.45 | 0.55 | 0.64 | 0.77 | 0.85 | 0.95 | 1.04 | 1.12 | 1.24 |
| 400 | 0.63 | 0.80 | 0.97 | 1.14 | 1.39 | 1.56 | 1.72 | 1.89 | 2.04 | 2.29 |
| 600 | 0.86 | 1.11 | 1.36 | 1.60 | 1.96 | 2.19 | 2.43 | 2.66 | 2.90 | 3.24 |
| 800 | 1.07 | 1.39 | 1.71 | 2.03 | 2.49 | 2.79 | 3.09 | 3.39 | 3.69 | 4.12 |
| 1000 | 1.26 | 1.65 | 2.04 | 2.42 | 2.98 | 3.35 | 3.71 | 4.07 | 4.43 | 4.96 |
| 1200 | 1.44 | 1.90 | 2.35 | 2.79 | 3.45 | 3.87 | 4.30 | 4.72 | 5.12 | 5.73 |
| 1400 | 1.60 | 2.12 | 2.64 | 3.14 | 3.89 | 4.37 | 4.85 | 5.32 | 5.78 | 6.46 |
| 1600 | 1.75 | 2.34 | 2.91 | 3.47 | 4.30 | 4.84 | 5.37 | 5.88 | 6.39 | 7.13 |
| 1800 | 1.89 | 2.53 | 3.17 | 3.78 | 4.69 | 5.27 | 5.85 | 6.40 | 6.95 | 7.74 |
| 2000 | 2.02 | 2.72 | 3.40 | 4.07 | 5.05 | 5.68 | 6.29 | 6.89 | 7.47 | 8.31 |
| 2200 | 2.13 | 2.89 | 3.63 | 4.35 | 5.39 | 6.06 | 6.71 | 7.33 | 7.93 | 8.79 |
| 2400 | 2.24 | 3.05 | 3.84 | 4.59 | 5.70 | 6.40 | 7.08 | 7.73 | 8.35 | 9.22 |
| 2600 | 2.33 | 3.19 | 4.03 | 4.83 | 5.98 | 6.71 | 7.41 | 8.08 | 8.70 | 9.57 |
| 2800 | 2.42 | 3.32 | 4.19 | 5.04 | 6.24 | 6.99 | 7.71 | 8.38 | 9.05 | |
| 3000 | 2.49 | 3.44 | 4.35 | 5.23 | 6.46 | 7.23 | 7.95 | 8.63 | 9.22 | |
| 3200 | 2.56 | 3.54 | 4.49 | 5.39 | 6.66 | 7.44 | 8.16 | 8.87 | | |
| 3400 | 2.61 | 3.64 | 4.61 | 5.53 | 6.82 | 7.60 | 8.33 | | | |
| 3600 | 2.64 | 3.71 | 4.72 | 5.66 | 6.95 | 7.73 | | | | |
| 3800 | 2.68 | 3.77 | 4.79 | 5.66 | 7.05 | | | | | |
| 4000 | 2.70 | 3.81 | 4.85 | 5.82 | | | | | | |
| 4200 | 2.71 | 3.85 | 4.90 | 5.86 | | | | | | |
| 4400 | 2.70 | 3.85 | 4.92 | 5.88 | | | | | | |
| 4600 | 2.68 | 3.85 | 4.92 | | | | | | | |
| 4800 | 2.65 | 3.84 | 4.90 | | | | | | | |
| 5000 | 2.61 | 3.80 | | | | | | | | |

| RPM of Faster Shaft | Add-on Horsepower per Belt for Speed Ratio | | | | | |
|---|---|---|---|---|---|---|
| | 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 |
| 1160 | 0.00 | 0.04 | 0.08 | 0.14 | 0.18 | 0.20 |
| 1750 | 0.00 | 0.06 | 0.14 | 0.20 | 0.27 | 0.30 |
| 3450 | 0.00 | 0.14 | 0.26 | 0.40 | 0.53 | 0.60 |
| 200 | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.03 |
| 400 | 0.00 | 0.01 | 0.03 | 0.04 | 0.06 | 0.07 |
| 600 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.11 |
| 800 | 0.00 | 0.03 | 0.06 | 0.09 | 0.13 | 0.14 |
| 1000 | 0.00 | 0.04 | 0.07 | 0.12 | 0.16 | 0.17 |
| 1200 | 0.00 | 0.04 | 0.09 | 0.14 | 0.19 | 0.21 |
| 1400 | 0.00 | 0.05 | 0.11 | 0.16 | 0.21 | 0.24 |
| 1600 | 0.00 | 0.06 | 0.13 | 0.19 | 0.24 | 0.27 |
| 1800 | 0.00 | 0.07 | 0.14 | 0.21 | 0.27 | 0.32 |
| 2000 | 0.00 | 0.07 | 0.16 | 0.23 | 0.30 | 0.35 |
| 2200 | 0.00 | 0.08 | 0.17 | 0.25 | 0.34 | 0.38 |
| 2400 | 0.00 | 0.09 | 0.19 | 0.27 | 0.37 | 0.41 |
| 2600 | 0.00 | 0.09 | 0.20 | 0.30 | 0.40 | 0.45 |
| 2800 | 0.00 | 0.11 | 0.21 | 0.33 | 0.43 | 0.48 |
| 3000 | 0.00 | 0.12 | 0.23 | 0.35 | 0.46 | 0.51 |
| 3200 | 0.00 | 0.13 | 0.24 | 0.37 | 0.49 | 0.56 |
| 3400 | 0.00 | 0.13 | 0.26 | 0.39 | 0.53 | 0.59 |
| 3600 | 0.00 | 0.14 | 0.27 | 0.41 | 0.56 | 0.62 |
| 3800 | 0.00 | 0.15 | 0.29 | 0.44 | 0.59 | 0.66 |
| 4000 | 0.00 | 0.16 | 0.30 | 0.46 | 0.62 | 0.69 |
| 4200 | 0.00 | 0.16 | 0.33 | 0.48 | 0.64 | 0.72 |
| 4400 | 0.00 | 0.17 | 0.34 | 0.50 | 0.67 | 0.76 |
| 4600 | 0.00 | 0.18 | 0.36 | 0.53 | 0.70 | 0.80 |
| 4800 | 0.00 | 0.19 | 0.37 | 0.56 | 0.74 | 0.83 |
| 5000 | 0.00 | 0.19 | 0.39 | 0.58 | 0.77 | 0.86 |

## NuTLink Power Ratings for B/17 Section Belt

| RPM of Faster Shaft | Basic Horsepower per Belt for Small Pulley Datum Diameter | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5.00"* | 5.20"* | 5.40" | 6.00" | 6.40" | 6.80" | 7.40" | 8.60" | 9.40" |
| 1160 | 4.40 | 4.75 | 5.10 | 6.13 | 6.80 | 7.47 | 8.45 | 10.40 | 11.59 |
| 1750 | 5.80 | 6.27 | 6.74 | 8.14 | 9.04 | 9.94 | 11.22 | 13.62 | 15.09 |
| 3450 | 7.26 | 7.89 | 8.49 | 10.12 | 11.04 | 11.87 | | | |
| 200 | 1.09 | 1.17 | 1.24 | 1.46 | 1.61 | 1.75 | 1.97 | 2.39 | 2.68 |
| 400 | 1.93 | 2.07 | 2.21 | 2.62 | 2.89 | 3.16 | 3.56 | 4.36 | 4.88 |
| 600 | 2.67 | 2.87 | 3.06 | 3.66 | 4.05 | 4.43 | 5.00 | 6.14 | 6.87 |
| 800 | 3.34 | 3.60 | 3.85 | 4.61 | 5.11 | 5.59 | 6.33 | 7.76 | 8.69 |
| 1000 | 3.95 | 4.26 | 4.56 | 5.48 | 6.08 | 6.67 | 7.54 | 9.29 | 10.40 |
| 1200 | 4.51 | 4.87 | 5.23 | 6.28 | 6.97 | 7.65 | 8.67 | 10.58 | 11.87 |
| 1400 | 5.01 | 5.43 | 5.82 | 7.02 | 7.79 | 8.56 | 9.66 | 11.87 | 13.16 |
| 1600 | 5.47 | 5.92 | 6.38 | 7.68 | 8.54 | 9.38 | 10.58 | 12.88 | 14.35 |
| 1800 | 5.89 | 6.38 | 6.86 | 8.28 | 9.20 | 10.12 | 11.41 | 13.80 | 15.27 |
| 2000 | 6.26 | 6.78 | 7.30 | 8.80 | 9.75 | 10.67 | 12.05 | 14.54 | 16.01 |
| 2200 | 6.57 | 7.12 | 7.67 | 9.29 | 10.30 | 11.22 | 12.33 | 15.09 | |
| 2400 | 6.83 | 7.41 | 7.98 | 9.66 | 10.67 | 11.68 | 13.06 | | |
| 2600 | 7.04 | 7.64 | 8.22 | 9.95 | 10.95 | 11.96 | | | |
| 2800 | 7.19 | 7.80 | 8.41 | 10.21 | 11.13 | 12.14 | | | |
| 3000 | 7.28 | 7.90 | 8.52 | 10.21 | | | | | |
| 3200 | 7.31 | 7.94 | 8.56 | | | | | | |
| 3400 | 7.28 | 7.91 | 8.51 | | | | | | |
| 3600 | 7.19 | 7.80 | 8.39 | | | | | | |

| RPM of Faster Shaft | Add-on Horsepower per Belt for Speed Ratio | | | | | |
|---|---|---|---|---|---|---|
| | 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 |
| 1160 | 0.00 | 0.04 | 0.08 | 0.14 | 0.18 | 0.20 |
| 1750 | 0.00 | 0.06 | 0.14 | 0.20 | 0.27 | 0.30 |
| 3450 | 0.00 | 0.14 | 0.26 | 0.40 | 0.53 | 0.60 |
| 200 | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.03 |
| 400 | 0.00 | 0.01 | 0.03 | 0.04 | 0.06 | 0.07 |
| 600 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.11 |
| 800 | 0.00 | 0.03 | 0.06 | 0.09 | 0.13 | 0.14 |
| 1000 | 0.00 | 0.04 | 0.07 | 0.12 | 0.16 | 0.17 |
| 1200 | 0.00 | 0.04 | 0.09 | 0.14 | 0.19 | 0.21 |
| 1400 | 0.00 | 0.05 | 0.11 | 0.16 | 0.21 | 0.24 |
| 1600 | 0.00 | 0.06 | 0.13 | 0.19 | 0.24 | 0.27 |
| 1800 | 0.00 | 0.07 | 0.14 | 0.21 | 0.27 | 0.32 |
| 2000 | 0.00 | 0.07 | 0.16 | 0.23 | 0.30 | 0.35 |
| 2200 | 0.00 | 0.08 | 0.17 | 0.25 | 0.34 | 0.38 |
| 2400 | 0.00 | 0.09 | 0.19 | 0.27 | 0.37 | 0.41 |
| 2600 | 0.00 | 0.09 | 0.20 | 0.3 | 0.40 | 0.45 |
| 2800 | 0.00 | 0.11 | 0.21 | 0.33 | 0.43 | 0.48 |
| 3000 | 0.00 | 0.12 | 0.23 | 0.35 | 0.46 | 0.51 |
| 3200 | 0.00 | 0.13 | 0.24 | 0.37 | 0.49 | 0.56 |
| 3400 | 0.00 | 0.13 | 0.26 | 0.39 | 0.53 | 0.59 |
| 3600 | 0.00 | 0.14 | 0.27 | 0.41 | 0.56 | 0.62 |

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

NUTLINK® V-BELTS

## NuTLink Power Ratings for C/22 Section Belt

| RPM of Faster Shaft | Basic Horsepower per Belt for Small Pulley Datum Diameter | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 8.00"* | 8.50"* | 9.00" | 10.00" | 11.00" | 12.00" | 14.00" | 16.00" |
| 870 | 9.27 | 10.35 | 11.34 | 13.41 | 15.30 | 17.19 | 20.88 | 24.30 |
| 1160 | 11.34 | 12.69 | 13.95 | 16.38 | 18.72 | 20.97 | 25.11 | 28.80 |
| 1750 | 14.22 | 15.84 | 17.37 | 20.25 | 22.77 | 25.11 | | |
| 200 | 2.84 | 3.13 | 3.42 | 3.99 | 4.55 | 5.11 | 6.22 | 7.31 |
| 400 | 5.06 | 5.60 | 6.13 | 7.19 | 8.24 | 9.27 | 11.25 | 13.32 |
| 600 | 7.00 | 7.77 | 8.52 | 9.99 | 11.52 | 12.96 | 15.75 | 18.45 |
| 800 | 8.73 | 9.72 | 10.62 | 12.51 | 14.40 | 16.20 | 19.62 | 22.95 |
| 1000 | 10.26 | 11.43 | 12.60 | 14.76 | 16.92 | 18.99 | 22.95 | 26.55 |
| 1200 | 11.61 | 12.96 | 14.22 | 16.74 | 19.08 | 21.42 | 25.56 | |
| 1400 | 12.78 | 14.22 | 15.57 | 18.27 | 20.88 | 23.22 | | |
| 1600 | 13.68 | 15.21 | 16.74 | 19.53 | 22.14 | 24.48 | | |
| 1800 | 14.40 | 16.02 | 17.55 | 20.43 | | | | |
| 2000 | 14.94 | 16.56 | 18.09 | | | | | |
| 2200 | 15.12 | 16.74 | | | | | | |

| RPM of Faster Shaft | Add-on Horsepower per Belt for Speed Ratio | | | | | |
|---|---|---|---|---|---|---|
| | 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 |
| 870 | 0.00 | 0.03 | 0.06 | 0.11 | 0.14 | 0.15 |
| 1160 | 0.00 | 0.04 | 0.08 | 0.14 | 0.18 | 0.20 |
| 1750 | 0.00 | 0.06 | 0.14 | 0.20 | 0.27 | 0.30 |
| 200 | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.03 |
| 400 | 0.00 | 0.01 | 0.03 | 0.04 | 0.06 | 0.07 |
| 600 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.11 |
| 800 | 0.00 | 0.03 | 0.06 | 0.09 | 0.13 | 0.14 |
| 1000 | 0.00 | 0.04 | 0.07 | 0.12 | 0.16 | 0.17 |
| 1200 | 0.00 | 0.04 | 0.09 | 0.14 | 0.19 | 0.21 |
| 1400 | 0.00 | 0.05 | 0.11 | 0.16 | 0.21 | 0.24 |
| 1600 | 0.00 | 0.06 | 0.13 | 0.19 | 0.24 | 0.27 |
| 1800 | 0.00 | 0.07 | 0.14 | 0.21 | 0.27 | 0.32 |
| 2000 | 0.00 | 0.07 | 0.16 | 0.23 | 0.30 | 0.35 |
| 2200 | 0.00 | 0.08 | 0.17 | 0.25 | 0.34 | 0.38 |

** 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.

SUPER T LINK®
SP WEDGE BELTS

## SuperTLink Power Ratings for SPZ Section Belt

| RPM of Faster Shaft | Basic Horsepower per Belt for Small Pulley Outside Diameter | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 71mm | 80mm | 90mm | 100mm | 112mm | 125mm | 140mm | 150mm | 160mm |
| 1160 | 1.31 | 1.72 | 2.18 | 2.62 | 3.16 | 3.72 | 4.38 | 4.81 | 5.26 |
| 1750 | 1.81 | 2.40 | 3.07 | 3.71 | 4.42 | 5.29 | 6.20 | 6.80 | 7.39 |
| 3450 | 2.93 | 3.99 | 5.13 | 6.23 | 7.51 | 8.78 | 10.19 | | |
| 200 | 0.30 | 0.38 | 0.48 | 0.56 | 0.72 | 0.78 | 0.90 | 1.00 | 1.08 |
| 400 | 0.52 | 0.70 | 0.86 | 1.04 | 1.24 | 1.45 | 1.71 | 1.87 | 2.02 |
| 600 | 0.64 | 1.00 | 1.24 | 1.48 | 2.02 | 2.09 | 2.44 | 2.69 | 2.92 |
| 800 | 0.97 | 1.26 | 1.58 | 1.91 | 2.28 | 2.70 | 3.16 | 3.47 | 3.77 |
| 1000 | 1.16 | 1.52 | 1.92 | 2.31 | 2.77 | 3.28 | 3.54 | 3.85 | 4.60 |
| 1200 | 1.35 | 1.77 | 2.24 | 2.70 | 3.25 | 3.84 | 4.51 | 4.94 | 5.38 |
| 1400 | 1.52 | 2.01 | 2.55 | 3.09 | 3.71 | 4.38 | 5.15 | 5.64 | 6.14 |
| 1600 | 1.68 | 2.24 | 2.84 | 3.44 | 4.15 | 4.90 | 5.76 | 6.31 | 6.87 |
| 1800 | 1.84 | 2.46 | 3.14 | 3.80 | 4.57 | 5.41 | 6.62 | 6.95 | 7.55 |
| 2000 | 2.00 | 2.68 | 3.41 | 4.12 | 4.98 | 5.89 | 6.91 | 7.57 | 8.22 |
| 2200 | 2.16 | 2.88 | 3.69 | 4.46 | 5.38 | 6.36 | 7.44 | 8.15 | 8.84 |
| 2400 | 2.29 | 3.09 | 3.93 | 4.78 | 5.76 | 6.80 | 7.96 | 8.33 | 9.44 |
| 2600 | 2.42 | 3.28 | 4.18 | 4.97 | 6.13 | 7.22 | 8.45 | 9.23 | 9.98 |
| 2800 | 2.57 | 3.45 | 4.42 | 5.38 | 6.47 | 7.63 | 8.90 | 9.72 | 10.51 |
| 3000 | 2.68 | 3.63 | 4.65 | 5.64 | 6.80 | 8.01 | 9.34 | 10.18 | 10.98 |
| 3200 | 2.79 | 3.80 | 4.86 | 5.91 | 7.13 | 8.37 | 9.74 | 10.60 | |
| 3400 | 2.87 | 3.95 | 5.08 | 6.17 | 7.43 | 8.71 | 10.10 | | |
| 3600 | 3.00 | 4.10 | 5.27 | 6.41 | 7.70 | 9.02 | | | |
| 3800 | 3.11 | 4.25 | 5.46 | 6.74 | 7.96 | 9.31 | | | |
| 4000 | 3.20 | 4.38 | 5.64 | 6.84 | 8.21 | | | | |
| 4200 | 3.29 | 4.51 | 5.80 | 7.03 | 8.42 | | | | |
| 4400 | 3.36 | 4.63 | 5.95 | 7.21 | | | | | |
| 4600 | 3.44 | 4.73 | 6.09 | 7.38 | | | | | |
| 4800 | 3.51 | 4.83 | 6.21 | 7.52 | | | | | |
| 5000 | 3.56 | 4.92 | 6.33 | | | | | | |
| 5200 | 3.62 | 5.01 | 6.45 | | | | | | |
| 5400 | 3.66 | 5.07 | 6.52 | | | | | | |
| 5600 | 3.69 | 5.13 | | | | | | | |
| 5800 | 3.73 | 5.18 | | | | | | | |
| 6000 | 3.74 | 5.22 | | | | | | | |
| 6200 | 3.77 | | | | | | | | |
| 6400 | 3.77 | | | | | | | | |

| RPM of Faster Shaft | Add-on Horsepower per Belt for Speed Ratio | | | | |
|---|---|---|---|---|---|
| | 1.00 to 1.01 | 1.01 to 1.05 | 1.06 to 1.26 | 1.27 to 1.57 | 1.58 and higher |
| 1160 | 0.00 | 0.03 | 0.12 | 0.19 | 0.23 |
| 1750 | 0.00 | 0.04 | 0.20 | 0.29 | 0.36 |
| 3450 | 0.00 | 0.07 | 0.40 | 0.57 | 0.70 |
| 200 | 0.00 | 0.00 | 0.03 | 0.04 | 0.04 |
| 400 | 0.00 | 0.01 | 0.04 | 0.07 | 0.08 |
| 600 | 0.00 | 0.01 | 0.08 | 0.10 | 0.12 |
| 800 | 0.00 | 0.01 | 0.10 | 0.15 | 0.16 |
| 1000 | 0.00 | 0.01 | 0.11 | 0.16 | 0.20 |
| 1200 | 0.00 | 0.03 | 0.14 | 0.20 | 0.24 |
| 1400 | 0.00 | 0.03 | 0.16 | 0.23 | 0.29 |
| 1600 | 0.00 | 0.03 | 0.19 | 0.27 | 0.33 |
| 1800 | 0.00 | 0.04 | 0.22 | 0.30 | 0.37 |
| 2000 | 0.00 | 0.04 | 0.24 | 0.33 | 0.41 |
| 2200 | 0.00 | 0.04 | 0.26 | 0.37 | 0.45 |
| 2400 | 0.00 | 0.04 | 0.29 | 0.41 | 0.49 |
| 2600 | 0.00 | 0.05 | 0.30 | 0.44 | 0.53 |
| 2800 | 0.00 | 0.05 | 0.33 | 0.48 | 0.57 |
| 3000 | 0.00 | 0.05 | 0.36 | 0.49 | 0.61 |
| 3200 | 0.00 | 0.07 | 0.38 | 0.53 | 0.67 |
| 3400 | 0.00 | 0.07 | 0.40 | 0.57 | 0.70 |
| 3600 | 0.00 | 0.07 | 0.42 | 0.60 | 0.74 |
| 3800 | 0.00 | 0.07 | 0.45 | 0.64 | 0.78 |
| 4000 | 0.00 | 0.07 | 0.48 | 0.67 | 0.82 |
| 4200 | 0.00 | 0.08 | 0.49 | 0.70 | 0.86 |
| 4400 | 0.00 | 0.08 | 0.52 | 0.74 | 0.90 |
| 4600 | 0.00 | 0.09 | 0.55 | 0.76 | 0.94 |
| 4800 | 0.00 | 0.09 | 0.56 | 0.80 | 0.98 |
| 5000 | 0.00 | 0.09 | 0.59 | 0.85 | 1.04 |
| 5200 | 0.00 | 0.09 | 0.61 | 0.86 | 1.07 |
| 5400 | 0.00 | 0.10 | 0.64 | 0.90 | 1.11 |
| 5600 | 0.00 | 0.11 | 0.68 | 0.99 | 1.21 |
| 5800 | 0.00 | 0.11 | 0.78 | 1.02 | 1.25 |
| 6000 | 0.00 | 0.12 | 0.75 | 1.06 | 1.30 |
| 6200 | 0.00 | 0.12 | 0.76 | 1.09 | 1.34 |
| 6400 | 0.00 | 0.12 | 0.79 | 1.13 | 1.34 |

## SuperTLink Power Ratings for SPA Section Belt

| RPM of Faster Shaft | Basic Horsepower per Belt for Small Pulley Outside Diameter | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 90mm | 100mm | 112mm | 125mm | 140mm | 150mm | 160mm | 200mm | 250mm |
| 1160 | 2.19 | 2.95 | 3.86 | 4.81 | 5.90 | 6.61 | 7.28 | 10.04 | 13.34 |
| 1750 | 2.95 | 4.08 | 5.33 | 6.70 | 8.28 | 9.25 | 10.24 | 14.04 | |
| 3450 | 4.34 | 6.19 | 8.33 | 10.51 | | | | | |
| 200 | 0.53 | 0.68 | 0.86 | 1.05 | 1.27 | 1.42 | 1.56 | 3.07 | 2.83 |
| 400 | 0.96 | 1.24 | 1.58 | 1.94 | 2.36 | 2.62 | 2.91 | 3.97 | 5.30 |
| 600 | 1.32 | 1.73 | 2.23 | 2.76 | 3.35 | 3.76 | 4.15 | 5.71 | 7.62 |
| 800 | 1.65 | 2.19 | 2.84 | 3.52 | 4.05 | 4.82 | 5.34 | 7.35 | 9.81 |
| 1000 | 1.98 | 2.62 | 3.41 | 4.26 | 5.21 | 5.83 | 6.46 | 8.92 | 11.88 |
| 1200 | 2.25 | 3.03 | 3.96 | 4.94 | 6.06 | 6.80 | 7.54 | 10.39 | 13.81 |
| 1400 | 2.54 | 3.43 | 4.48 | 5.61 | 6.89 | 7.67 | 8.56 | 11.80 | 15.61 |
| 1600 | 2.79 | 3.78 | 4.98 | 6.24 | 7.67 | 8.62 | 9.54 | 13.11 | 17.25 |
| 1800 | 3.02 | 4.12 | 5.44 | 6.84 | 8.42 | 9.45 | 10.46 | 14.34 | 19.43 |
| 2000 | 3.24 | 4.46 | 5.89 | 7.41 | 9.12 | 10.23 | 11.32 | 15.47 | |
| 2200 | 3.44 | 4.77 | 6.31 | 7.95 | 9.79 | 10.99 | 12.14 | 16.50 | |
| 2400 | 3.63 | 5.04 | 6.70 | 8.45 | 10.41 | 11.66 | 12.89 | 17.41 | |
| 2600 | 3.81 | 5.31 | 7.07 | 8.92 | 9.89 | 12.29 | 13.57 | | |
| 2800 | 3.96 | 5.56 | 7.41 | 9.35 | 11.50 | 12.88 | 14.19 | | |
| 3000 | 4.10 | 5.77 | 7.72 | 9.76 | 11.99 | 13.39 | 14.74 | | |
| 3200 | 4.22 | 5.98 | 8.01 | 10.12 | 12.41 | 13.85 | | | |
| 3400 | 4.32 | 6.16 | 8.27 | 10.43 | 12.77 | | | | |
| 3600 | 4.40 | 6.31 | 8.48 | 10.72 | | | | | |
| 3800 | 4.47 | 6.45 | 8.67 | 10.95 | | | | | |
| 4000 | 4.52 | 6.55 | 8.84 | 11.14 | | | | | |
| 4200 | 4.56 | 6.62 | 8.97 | | | | | | |
| 4400 | 4.56 | 6.69 | 9.05 | | | | | | |
| 4600 | 4.55 | 6.71 | | | | | | | |
| 4800 | 4.52 | 6.71 | | | | | | | |
| 5000 | 4.47 | | | | | | | | |
| 5200 | 4.40 | | | | | | | | |

| RPM of Faster Shaft | Add-on Horsepower per Belt for Speed Ratio | | | | |
|---|---|---|---|---|---|
| | 1.00 to 1.01 | 1.01 to 1.05 | 1.06 to 1.26 | 1.27 to 1.57 | 1.58 and higher |
| 1160 | 0.00 | 0.05 | 0.32 | 0.46 | 0.55 |
| 1750 | 0.00 | 0.08 | 0.48 | 0.71 | 0.88 |
| 3450 | 0.00 | 0.14 | 0.94 | 1.34 | 1.64 |
| 200 | 0.00 | 0.01 | 0.05 | 0.08 | 0.09 |
| 400 | 0.00 | 0.01 | 0.11 | 0.11 | 0.19 |
| 600 | 0.00 | 0.03 | 0.16 | 0.23 | 0.29 |
| 800 | 0.00 | 0.04 | 0.22 | 0.30 | 0.38 |
| 1000 | 0.00 | 0.04 | 0.29 | 0.40 | 0.48 |
| 1200 | 0.00 | 0.05 | 0.33 | 0.48 | 0.57 |
| 1400 | 0.00 | 0.07 | 0.38 | 0.55 | 0.67 |
| 1600 | 0.00 | 0.07 | 0.44 | 0.63 | 0.76 |
| 1800 | 0.00 | 0.08 | 0.49 | 0.70 | 0.90 |
| 2000 | 0.00 | 0.09 | 0.55 | 0.78 | 0.96 |
| 2200 | 0.00 | 0.09 | 0.60 | 0.86 | 1.05 |
| 2400 | 0.00 | 0.10 | 0.67 | 0.93 | 1.15 |
| 2600 | 0.00 | 0.11 | 0.71 | 1.01 | 1.24 |
| 2800 | 0.00 | 0.11 | 0.76 | 1.09 | 1.34 |
| 3000 | 0.00 | 0.12 | 0.83 | 1.17 | 1.43 |
| 3200 | 0.00 | 0.14 | 0.88 | 1.24 | 1.53 |
| 3400 | 0.00 | 0.14 | 0.93 | 1.32 | 1.62 |
| 3600 | 0.00 | 0.15 | 0.98 | 1.41 | 1.72 |
| 3800 | 0.00 | 0.16 | 1.05 | 1.48 | 1.81 |
| 4000 | 0.00 | 0.16 | 1.09 | 1.68 | 1.91 |
| 4200 | 0.00 | 0.18 | 1.15 | 1.63 | 2.00 |
| 4400 | 0.00 | 0.19 | 1.19 | 1.71 | 2.10 |
| 4600 | 0.00 | 0.19 | 1.26 | 1.80 | 2.19 |
| 4800 | 0.00 | 0.20 | 1.31 | 1.87 | 2.29 |
| 5000 | 0.00 | 0.22 | 1.38 | 1.95 | 2.38 |
| 5200 | 0.00 | 0.22 | 1.43 | 2.06 | 2.48 |

SUPER T LINK®
SP WEDGE BELTS

## SuperTLink Power Ratings for SPB Section Belt

| RPM of Faster Shaft | Basic Horsepower per Belt for Small Pulley Outside Diameter | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 140mm | 150mm | 160mm | 180mm | 200mm | 224mm | 250mm | 315mm | 355mm |
| 1160 | 6.56 | 7.63 | 8.89 | 11.17 | 13.40 | 16.03 | 18.80 | 25.37 | 29.14 |
| 1750 | 8.85 | 10.49 | 12.10 | 15.25 | 18.30 | 21.78 | 25.36 | | |
| 200 | 1.53 | 1.76 | 2.00 | 2.46 | 2.92 | 3.47 | 4.05 | 5.50 | 6.38 |
| 400 | 2.76 | 3.21 | 3.66 | 4.53 | 5.41 | 4.98 | 7.55 | 7.95 | 11.95 |
| 600 | 3.88 | 4.52 | 5.17 | 6.45 | 6.57 | 9.20 | 9.22 | 14.73 | 17.07 |
| 800 | 4.65 | 5.75 | 6.57 | 8.23 | 9.86 | 11.78 | 12.34 | 18.83 | 21.79 |
| 1000 | 5.98 | 6.88 | 7.89 | 9.90 | 11.88 | 14.20 | 16.69 | 22.61 | 26.08 |
| 1200 | 6.74 | 7.93 | 9.13 | 11.48 | 13.78 | 16.47 | 19.31 | 26.04 | 29.87 |
| 1400 | 7.57 | 8.93 | 10.28 | 12.94 | 15.54 | 18.56 | 21.72 | 29.07 | |
| 1600 | 8.32 | 9.85 | 11.35 | 14.31 | 17.16 | 23.02 | 23.90 | | |
| 1800 | 9.02 | 10.69 | 12.34 | 15.55 | 18.65 | 22.19 | 25.82 | | |
| 2000 | 9.64 | 11.47 | 13.23 | 16.69 | 19.98 | 23.71 | | | |
| 2200 | 10.21 | 12.15 | 14.04 | 17.68 | 21.13 | | | | |
| 2400 | 10.72 | 12.75 | 14.75 | 18.56 | 22.13 | | | | |
| 2600 | 11.13 | 13.27 | 15.35 | 19.30 | | | | | |
| 2800 | 11.48 | 13.71 | 15.85 | | | | | | |
| 3000 | 11.74 | 14.04 | 16.24 | | | | | | |
| 3200 | 11.92 | | | | | | | | |
| 3400 | 12.03 | | | | | | | | |

| RPM of Faster Shaft | Add-on Horsepower per Belt for Speed Ratio | | | | |
|---|---|---|---|---|---|
| | 1.00 to 1.01 | 1.01 to 1.05 | 1.06 to 1.26 | 1.27 to 1.57 | 1.58 and higher |
| 1160 | 0.00 | 0.10 | 0.68 | 1.00 | 1.21 |
| 1750 | 0.00 | 0.15 | 1.05 | 1.49 | 1.73 |
| 200 | 0.00 | 0.01 | 0.11 | 0.09 | 0.20 |
| 400 | 0.00 | 0.04 | 0.24 | 0.34 | 0.42 |
| 600 | 0.00 | 0.05 | 0.36 | 0.51 | 0.63 |
| 800 | 0.00 | 0.08 | 0.48 | 0.68 | 0.85 |
| 1000 | 0.00 | 0.09 | 0.60 | 0.86 | 1.05 |
| 200 | 0.00 | 0.11 | 0.72 | 1.04 | 1.26 |
| 1400 | 0.00 | 0.12 | 0.85 | 1.20 | 1.46 |
| 1600 | 0.00 | 0.15 | 0.97 | 1.38 | 1.68 |
| 1800 | 0.00 | 0.16 | 1.08 | 1.54 | 1.88 |
| 2000 | 0.00 | 0.19 | 1.21 | 1.71 | 2.10 |
| 2200 | 0.00 | 0.20 | 1.32 | 1.88 | 2.31 |
| 2400 | 0.00 | 0.23 | 1.45 | 2.05 | 2.53 |
| 2600 | 0.00 | 0.24 | 1.57 | 2.23 | 2.73 |
| 2800 | 0.00 | 0.27 | 1.69 | 2.39 | 2.95 |
| 3000 | 0.00 | 0.29 | 1.81 | 2.57 | 3.14 |
| 3200 | 0.00 | 0.29 | 1.94 | 2.74 | 3.36 |
| 3400 | 0.00 | 0.32 | 2.05 | 2.92 | 3.57 |

- Designed for SP Metric rated drives.
- Highly resistant to oil, water, chemicals and extreme temperatures.
- Exclusive T-stud for easy assembly.
- Easy to fit — no need to dismantle drives.
- Reduces transmitted vibration.