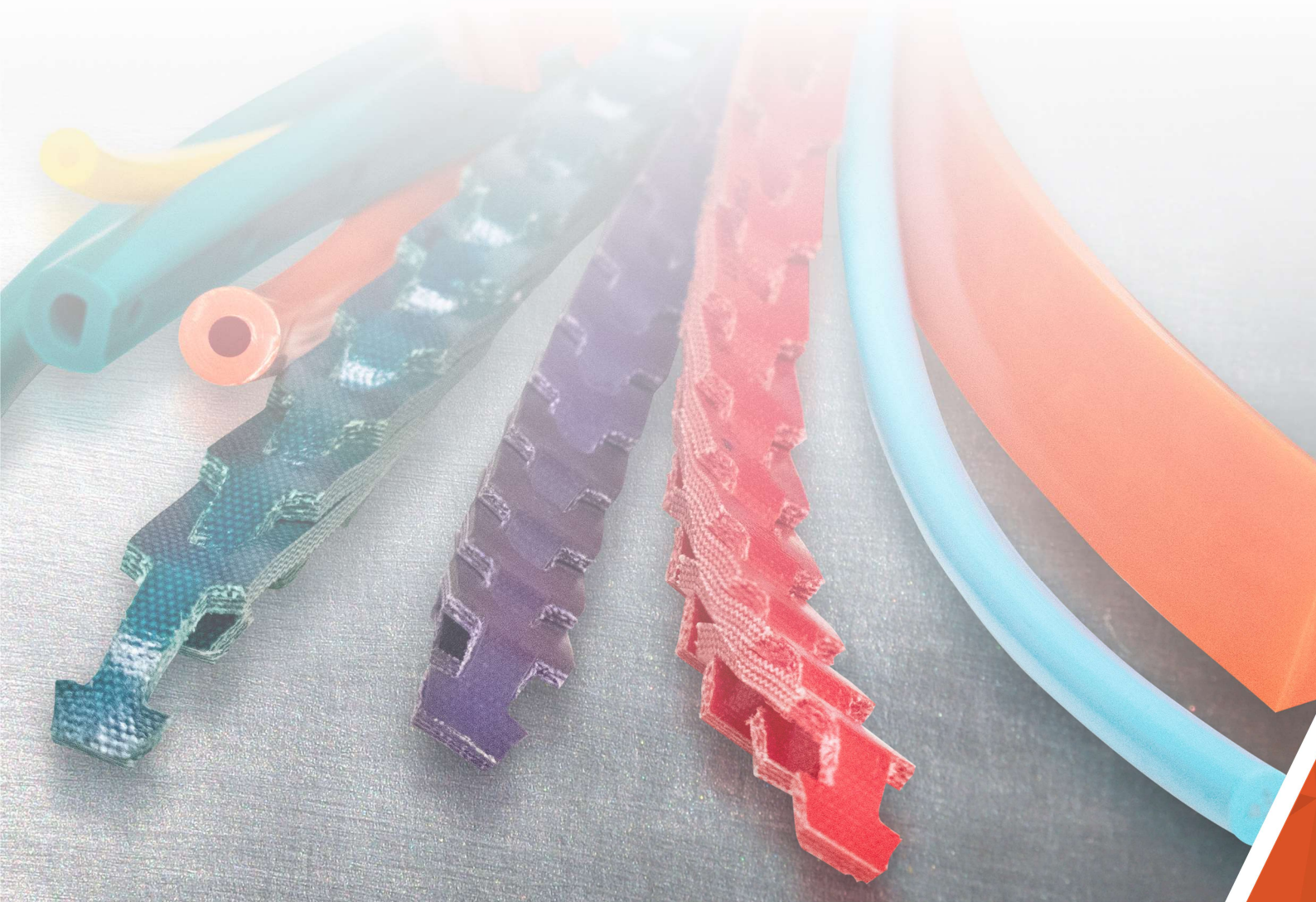


POWER TRANSMISSION & CONVEYOR BELTING



POWER TRANSMISSION SOLUTIONS



POWERTWIST DRIVE®, SuperTLink®, and NuTLink® V-Belting

- Provide time and cost saving benefits to maintenance engineers and equipment designers
- Longer belt life in even the harshest environments
- Easier, faster installation without tear-downs or struggling with motor bases
- Install on captive drives and fixed center drives
- Make matching sets
- Better drive efficiency due to minimal belt elongation
- Reduced noise, longer bearing life due to low belt vibration

CONVEYING SOLUTIONS



POWERTWIST MOVE® Conveyor Link Belting

- Install in minutes without dismantling conveyor components – no welding required
- Unaffected by extremes of temperature, water, oils, grease and common chemicals
- Whether your application requires reduced contact surface, high grip, abrasion resistance, non-marking, high temperature, oil, and chemical resistance, there's a Fenner Drives link belt to meet your need



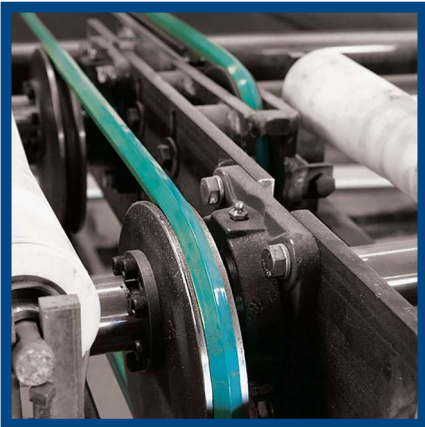
Eagle® Polyurethane Belting

- Comprehensive range of high quality non-reinforced and reinforced belting in round and V profiles; also available with special top surfaces
- Over 400 FDA compliant products
- Custom design capabilities: special profiles, dual durometer, static dissipative, UV stabilized, tracking features, ridged profiles



Trackstar® UHMW Belt & Chain Guides

- Fight friction and reduce costs with long-wearing UHMW belt and chain guides
- Wide range of standard profiles for use in guiding belts, chain and cables
- Available from stock with same-day shipping
- Two-piece guide and channel design simplifies installation and replacement



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		2mm		3/32"		1/8"		3/16"		1/4"		5/16"		3/8"		1/2"		9/16"		5/8"		3/4"													
		2mm		3mm		4mm		5mm		6mm		7mm		8mm		9mm		10mm		12mm		13mm		14mm		15mm		16mm		18mm		19mm		20mm	
Non-Reinforced Belting	POWERTWIST MOVE® Link Belting																																		
	Eagle® Blue 80 EC*																																		
	Eagle Clear 80 EC*																																		
	Eagle Blue 80 MD*																																		
	Eagle Opaque 80																																		
	Eagle Blue 85*																																		
	Eagle Clear 85*																																		
	Eagle Orange 85*																																		
	Eagle Orange 89 SureConnect™																																		
	Eagle Red 85*																																		
	Eagle Green 89																																		
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	Eagle Green 89 T SureConnect™																																		
	Eagle Red 90																																		
	Eagle Beige 95*																																		
	Eagle Clear 95*																																		
	Eagle White 40D																																		
	Eagle Blue 55D																																		
	Eagle Blue 80 EC QC*																																		
	Eagle Blue 85 QC*																																		
	Eagle Clear 85 QC*																																		
	Eagle Red 85 QC																																		
	Eagle Yellow 85 QC*																																		
	Eagle Clear 85 TOR																																		
Reinforced	Eagle Orange 85 R*																																		
	Eagle Hyfen 85 R*																																		
	Eagle Green 89 R																																		
	Eagle Green 89 RT																																		
	Eagle Beige 95 R*																																		
	Eagle Can Cable†																																		
Eagle Fabricated Belts																																			

Abbreviation Key

CXF	Co-extruded Flat
CXR	Co-extruded Ribbed
EC	Regulation (EC) 1935/2004
LCF	Low Coefficient of Friction
MD	Metal Detectable
PU	PolyUrethane
PVC	PolyVinyl Chloride
QC	Quick-Connect

R	Reinforced
RCS	Reduced Contact Surface
RSGT	Reinforced SuperGrip Top
RT	Reinforced Textured
SGT	SuperGrip Top
T	Textured
TOR	Twisted O-Rings
TPE	ThermoPlastic Elastomer

* These belts are FDA compliant (unless coggd).

† Can Cable available in Red 50D LCF, Blue 55D, Blue 55D Aramid, Natural 55D, Green 63D, and Natural 63D.

‡ Eagle Ivory 85 SGT and RSGT available with PVC, PU or TPE top surface.

¶ ISO 1813:1998 inspected and certified by Fenner Drives.

- Not all product in-stock, please call for availability.
- Some diameters and cross sections may be subject to minimum orders. Dimensions are for reference only.
- Flat belting available in Eagle Orange 85. Additional cross sections, colors, and durometers are available.
- Contact Applications Engineering at AE@fennerdrives.com for design assistance.

6mm x 4mm	8mm x 5mm	10mm x 4mm T-Top	3L	3L T-Top	3L Crown-Top	3L Twin	Z/10	A/13	AA	A Twin	A/13 Lo-Ridge-Top	A/13 Ridge-Top	A/13 Hi-Ridge-Top	B/17	B8	B/17 Ribbed	B/17 Wing-Top	B/17 Ridge-Top	C/22	C/22 Ribbed	C/22 Ridge-Top	D/32	D/32 Ribbed			
																									POWERWIST MOVE® Link Belting	Link Belting
																									POWERWIST MOVE Bridge Top™	
																									POWERWIST MOVE SGT PU	
																									POWERWIST MOVE SGT PVC	
																									POWERWIST MOVE RCS	
																									POWERWIST MOVE Friction Top®	
																									POWERWIST Antistatic¶	
																									POWERWIST Roller Drive™	Non-Reinforced Belting
																									Eagle® Blue 80 EC*	
																									Eagle Clear 80 EC*	
																									Eagle Blue 80 MD*	
																									Eagle Opaque 80	
																									Eagle Blue 85*	
																								Eagle Clear 85*		
																									Eagle Ivory 85	
																								Eagle Orange 85*		
																								Eagle Red 85*		
																								Eagle Green 89		
																									Eagle Red 90	
																									Eagle Beige 95*	
																									Eagle Clear 95*	
																									Eagle White 40D	
																									Eagle Blue 55D	
																									Eagle Red 85 CXF	
																									Eagle Ivory 85 SGT	
																									Eagle Green 89 SGT PVC	
																									Eagle Red 90 SGT PVC	
																									Eagle White 40D SGT PVC	
																									Eagle Opaque 80 R	Reinforced Belting
																									Eagle Orange 85 R*	
																									Eagle Hyfen 85 R*	
																								Eagle Ivory 85 R		
																								Eagle Green 89 R		
																									Eagle Beige 95 R*	
																									Eagle Hyfen 95 R*	
																									Eagle Hyfen 85 CXF/CXR	
																									Eagle Ivory 85 RSGT‡	
																									Eagle Fabricated Belts	

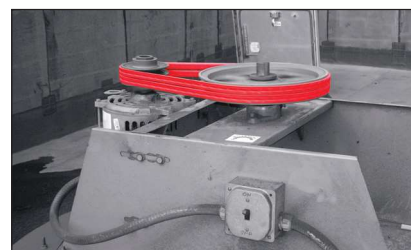
POWERTWIST DRIVE®, SuperTLink®, and NuTLink® V-Belting

- Provide time and cost saving benefits to maintenance engineers and equipment designers
- Longer belt life in even the harshest environments
- Easier, faster installation without tear-downs or struggling with motor bases
- Install on captive drives and fixed center drives
- Make matching sets
- Better drive efficiency due to minimal belt elongation
- Reduced noise, longer bearing life due to low belt vibration



Product	Color	Compliance	Material	Temperature Range	
				°F	°C
POWERTWIST DRIVE	Red (classical)	RoHS, Reach	Composite Polyester/Polyurethane	-40 to +240	-40 to +116
POWERTWIST DRIVE	Blue (wedge)	RoHS, Reach	Composite Polyester/Polyurethane	-40 to +240	-40 to +116
POWERTWIST Ground Round®	Red	RoHS, Reach	Composite Polyester/Polyurethane	-40 to +240	-40 to +116
POWERTWIST Antistatic™ *	Blue	RoHS	Composite Polyester/Polyurethane	-40 to +240	-40 to +116

* ISO 1813:1998 inspected and certified by Fenner Drives.



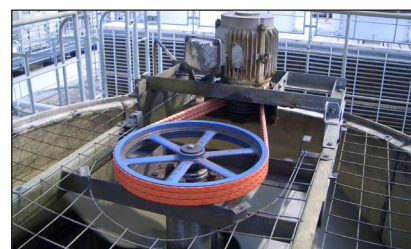
Product	Color	Compliance	Material	Temperature Range	
				°F	°C
SuperTLink®	Blue	RoHS	Composite Polyester/Polyurethane Steel Rivets	-40 to +240	-40 to +116

* ISO 1813:1998 inspected and certified by Fenner Drives.



Product	Color	Compliance	Material	Temperature Range	
				°F	°C
NuTLink®	Orange	RoHS	Composite Polyester/Polyurethane Steel Rivets	-40 to +240	-40 to +116

* ISO 1813:1998 inspected and certified by Fenner Drives.





POWERTWIST DRIVE® Link Belting



Classical Cross Section

POWERTWIST DRIVE LINK BELTING	Classical Cross Section	Nominal Width		Part Numbers							Minimum Pulley Ø		Ride Height Above Rim			
		inches	mm	5' Sleeve	6' Sleeve	2m Sleeve	25'	100'	10m	30m	inches	mm	Min(in.)	Max(in.)	Min(mm)	Max(mm)
POWERTWIST DRIVE	3L	3/8		0418010SL			0405010	0408010			2.00		0.12	0.17	3.0	4.2
POWERTWIST DRIVE	Z/10		10			04100202			0410020	0418023		45	0.14	0.20	3.6	5.2
POWERTWIST DRIVE	A/4L/13	1/2	13	0418030SL		04090502M	0405030	0408030	0410030	0418033	3.00	80	0.08	0.16	2.1	4.0
POWERTWIST DRIVE	B/5L/17	5/8	17		0418050SL	04090302M	0405050	0408050	0410050	0418053	5.00	125	0.14	0.22	3.4	5.6
POWERTWIST DRIVE	C/22	7/8	22				0405070	0408070	0410070	0418073	9.00	229	0.07	0.22	1.8	5.6

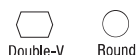
POWERTWIST DRIVE® Wedge Link Belting



Wedge Cross Section

POWERTWIST DRIVE LINK BELTING	Wedge Cross Section	Nominal Width		Part Numbers				Minimum Pulley Ø		Ride Height Above Rim			
		inches	mm	5m	25'	100'	20m	inches	mm	Min(in.)	Max(in.)	Min(mm)	Max(mm)
POWERTWIST DRIVE	3V	3/8	10		0460025	0460000		2.65		0.18	0.30	4.5	7.5
POWERTWIST DRIVE	5V	5/8	17		0460125	0460100		5.5		0.20	0.44	5.0	11.0
POWERTWIST DRIVE	SPZ		10	0460616			0460666		67	0.18	0.30	4.5	7.5
POWERTWIST DRIVE	SPA		13	0460716			0460766		90	0.16	0.41	4.1	10.3
POWERTWIST DRIVE	SPB		17	0460816			0460866		140	0.20	0.44	5.0	11.0

POWERTWIST® Specialty Link Belting



Cross Section

POWERTWIST SPECIALTY LINK BELTING	Cross Section	Nominal Width		Part Numbers				Minimum Pulley Ø	
		inches	mm	25'	100'	10m	30m	inches	mm
POWERTWIST Antistatic™	A/4L/13	1/2	13	0408505	0408501	040850010	0408500	3.00	80
POWERTWIST Antistatic	B/5L/17	5/8	17	0408605	0408601	040860010	0408600	5.00	125
POWERTWIST Double-V™	AA	1/2	13	0405230	0408230		0419230	3.00	80
POWERTWIST Double-V	BB	5/8	17	0405250	0408250		0419250	5.00	125
POWERTWIST Double-V	CC	7/8	22	0405270	0408270		0418270	9.00	229
POWERTWIST Ground Round®	5/16"	5/16"	8	04051050	04081050		04191050	2.00	51
POWERTWIST Ground Round	3/8"	3/8"	10	04051060	04081060		0419110	3.00	76
POWERTWIST Ground Round	1/2"	1/2"	13	04051040	04081040		0419120	3.00	76
POWERTWIST Ground Round	9/16"	9/16"	14	04051070	04081070		04151070	5.50	140
POWERTWIST Ground Round	3/4"	3/4"	19		04081080		0415110	8.50	216



Force Deflection Gauge

Part Number	Max Belt Deflection (in)	Max Belt Deflection (cm)	Pounds	Kilograms
5700253	0 - 3 in	0 - 7.5 cm	0 - 35 lbs	0 - 16 kg



SuperTLink® Belting



Wedge

Wedge Cross Section

SUPERLINK BELTING	Wedge Cross Section	Nominal Width		Part Numbers				Minimum Pulley Ø		Ride Height Above Rim			
		inches	mm	5m	25'	100'	20m	inches	mm	Min(in.)	Max(in.)	Min(mm)	Max(mm)
SuperTLink	3V	0.45	11		0407025	0407100		2.8		0.18	0.40	4.6	10.0
SuperTLink	5V	0.66	17		0417025	0417100		5.5		0.06	0.20	1.4	5.1
SuperTLink	SPZ		10	L02Z5N			L02Z20N		71	0.18	0.40	4.6	10.0
SuperTLink	SPA		13	L02A5N			L02A20N		90	0.14	0.36	3.6	9.1
SuperTLink	SPB	0.66	17	L02B5			L02B20		140	0.06	0.20	1.4	5.1
SuperTLink	SPC		22	L02C5			L02C20		224	0.05	0.33	1.3	8.4
TLink Installation Tool	L02NT10 (10pk)												

Power Transmission - NuTLink®



NuTLink® Belting



V

Classical Cross Section

NUTLINK BELTING	Classical Cross Section	Nominal Width		Part Numbers		Minimum Pulley Ø		Ride Height Above Rim			
		inches	mm	5m	20m	inches	mm	Min(in.)	Max(in.)	Min(mm)	Max(mm)
NuTLink	Z/10		10	L01Z5	L01Z20		45	0.06	0.18	1.6	4.6
NuTLink	A/13	1/2	13	L01A5	L01A20	3.00	80	0.08	0.31	2.0	7.8
NuTLink	B/17	5/8	17	L01B5	L01B20	5.00	125	0.09	0.37	2.2	9.3
NuTLink	C/22	7/8	22	L01C5	L01C20	9.00	229	0.00	0.23	0.1	5.8
TLink Installation Tool	L02NT10 (10pk)										

Round Belting

Round belts are commonly run in pulleys with a round groove; see Figure 1a. In the absence of round groove pulleys, they can also be used in V-groove pulleys (Figure 1b). The table at right shows the dimensional data for a round belt used in a V-groove pulley.

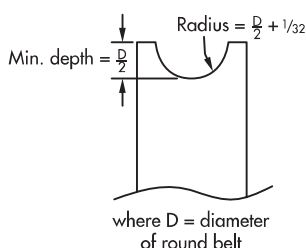


Figure 1a

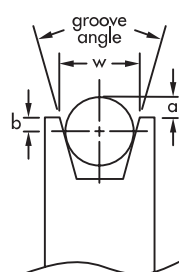


Figure 1b

Note: above dimensions are belt fit in groove under no tension.
Dimensions in inches unless otherwise indicated.

Pulley Size	Pulley Diameter (inches)	Groove Angle	Round Belt	Dimensions (inches)		
				w	a	b
2L	Under 1.50"	32°	3/16"	.240	.010	.084
2L	1.50" to 1.99" O.D.	34°	3/16"	.243	.016	.078
			1/4"	.243	.153	-.028
2L	2.00" to 2.50" O.D.	36°	3/16"	.246	.020	.074
			1/4"	.246	.151	-.026
2L	Over 2.50" O.D.	38°	3/16"	.250	.020	.074
			1/4"	.250	.146	-.021
3L	Under 2.20" O.D.	32°	1/4"	.360	-.049	.174
			5/16"	.360	.094	.062
3L	2.20" to 3.19" O.D.	34°	1/4"	.364	-.043	.168
			5/16"	.364	.094	.062
3L	3.20" to 4.20" O.D.	36°	1/4"	.368	-.037	.062
			5/16"	.368	.095	.061
3L	Over 4.20" O.D.	38°	1/4"	.372	-.031	.156
			5/16"	.372	.095	.061
A/13	2.60" to 5.40" D.D.	34°	5/16"	.494	-.118	.274
			3/8"	.494	.019	.168
			1/2"	.494	.297	-.047
A/13	Over 5.40" D.D.	38°	5/16"	.504	-.097	.253
			3/8"	.504	.030	.157
			1/2"	.504	.286	.036
B/17	4.60" to 7.00" D.D.	34°	1/2"	.637	.062	.188
			9/16"	.637	.199	.082
			5/8"	.637	.340	-.027
B/17	Over 7.00" D.D.	38°	1/2"	.650	.074	.176
			9/16"	.650	.200	.081
			5/8"	.650	.331	-.018
C/22	7.00" to 7.99" D.D.	34°	5/8"	.879	-.056	.369
			3/4"	.879	.218	.157
C/22	8.00" to 12.00" D.D.	36°	5/8"	.887	-.041	.354
			3/4"	.887	.222	.153
C/22	Over 12.00" D.D.	38°	5/8"	.895	-.027	.340
			3/4"	.895	.226	.149

V Belting

V belts in "classical" A, B, C, D and light duty 3L cross sections are designed to fit RMA compliant pulleys as per the groove details illustrated in Figure 2.

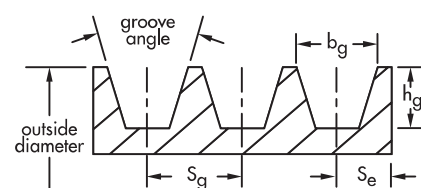


Figure 2

Cross Section	Datum Diameter Range	Groove Angle	bg (inches)	hg min (inches)	Sg (inches)	Se (inches)
A/13	Up thru 5.4"	34° ±0.33°	.494	.460	.625 ± .025	.375 +.090 -.062
	Over 5.4"	38° ±0.33°	.504 ±.005			
B/17	Up thru 7.0"	34° ±0.33°	.637	.550	.750 ± .025	.500 +.120 -.065
	Over 7.0"	38° ±0.33°	.650 ±.006			
C/22	Up thru 7.99"	34° ±0.33°	.879	.750	1.000 ± .025	.688 +.160 -.070
	8.0" thru 12.0"	36° ±0.33°	.887 ±.007			
	Over 12.0"	38° ±0.33°	.895			
D/32	Up thru 12.99"	34° ±0.33°	1.259	1.020	1.438 ± .025	.875 +.220 -.080
	13.0" thru 17.0"	36° ±0.33°	1.271 ±.008			
	Over 17.0"	38° ±0.33°	1.283			
3L	2.2" thru 3.1"	34° ±0.33°	.364 ±.005	.406	.500 ± .025	.313 +.062 -.032
	3.2" thru 4.2"	36° ±0.33°				
	Over 4.2"	38° ±0.33°				

Dimensions in inches unless otherwise indicated.

Flat Belting

All flat belts have a natural tendency to move laterally. Therefore a flat or straight pulley is not recommended, as the belt would walk off the pulley. To keep the belt in the center of the pulley it must have a crown. Figure 3a illustrates a round crown and is the preferred method. A modified round crown as illustrated in Figure 3b is also acceptable. A flat pulley with guide flanges (Figure 3c) is not recommended. Even with the guide flanges the belt will move laterally and potentially could climb up onto them.

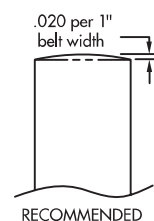


Figure 3a

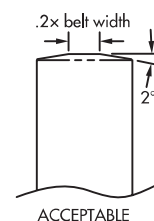


Figure 3b

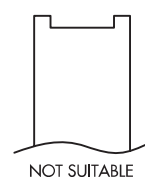


Figure 3c

Round Belting

Round belts are commonly run in pulleys with a round groove; see Figure 1a. In the absence of round groove pulleys, they can also be used in V-groove pulleys (Figure 1b). The table at right shows the dimensional data for a round belt used in a V-groove pulley.

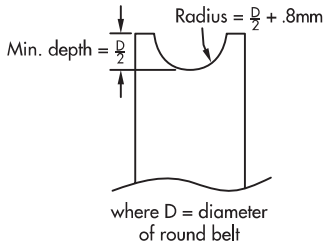


Figure 1a

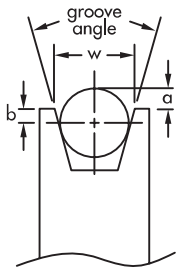


Figure 1b

Pulley Size	Pulley Diameter (mm)	Groove Angle	Round Belt	Dimensions (mm)		
				w	a	b
Z/10	Up thru 80mm	34°	7	9.7	-0.39	3.89
			8	9.7	1.82	2.18
			9.5	9.7	5.14	-0.39
Z/10	Over 80mm	38°	7	9.7	0.17	3.34
			8	9.7	2.19	1.81
			9.5	9.7	5.25	-0.50
A/13	Up thru 118mm	34°	9.5	12.7	0.23	4.52
			10	12.7	1.33	3.67
			12	12.7	5.75	0.25
A/13	Over 118mm	38°	9.5	12.7	0.90	3.85
			10	12.7	1.91	3.09
			12	12.7	5.98	0.02
B/17	Up thru 190mm	34°	12	16.3	-0.14	6.14
			15	16.3	6.50	1.00
			16	16.3	8.71	-0.71
B/17	Over 190mm	38°	12	16.3	0.76	5.24
			15	16.3	6.87	0.63
			16	16.3	8.90	-0.90
C/22	Up thru 315mm	34°	20	22	8.22	1.78
C/22	Over 315mm	38°	20	22	9.00	1.23

Note: above dimensions are belt fit in groove under no tension. Dimensions in millimeters unless otherwise indicated.

V Belting

V belts in "classical" Z/10, A/13, B/17, C/22 and D/32 cross sections are designed to fit ISO and DIN 2215 compliant pulleys as per the groove details illustrated in Figure 2.

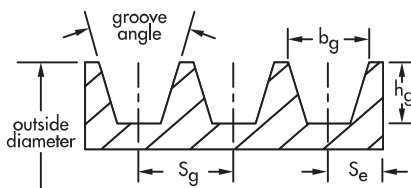


Figure 2

Cross Section	Datum Diameter Range	Groove Angle	b_g (mm)	h_g Min (mm)	S_g (mm)	S_e (mm)
Z/10	Up thru 80mm	34° ±1°	9.7	11	12 ±0.3	8 ±0.6
	Over 80mm	38° ±1°				
A/13	Up thru 118mm	34° ±1°	12.7	14	15 ±0.3	10 ±0.6
	Over 118mm	38° ±1°				
B/17	Up thru 190mm	34° ±1°	16.3	18	19 ±0.4	12.5 ±0.8
	Over 190mm	38° ±1°				
C/22	Up thru 315mm	34° ±1°	22	24	25.5 ±0.5	17 ±1.0
	Over 315mm	38° ±30'				
D/32	Up thru 500mm	36° ±30'	32	28	37 ±0.6	24 ±2.0
	Over 500mm	38° ±30'				

Dimensions in millimeters unless otherwise indicated.

Flat Belting

All flat belts have a natural tendency to move laterally. Therefore a flat or straight pulley is not recommended, as the belt would walk off the pulley. To keep the belt in the center of the pulley it must have a crown. Figure 3a illustrates a round crown and is the preferred method. A modified round crown as illustrated in Figure 3b is also acceptable. A flat pulley with guide flanges (Figure 3c) is not recommended. Even with the guide flanges the belt will move laterally and potentially could climb up onto them.

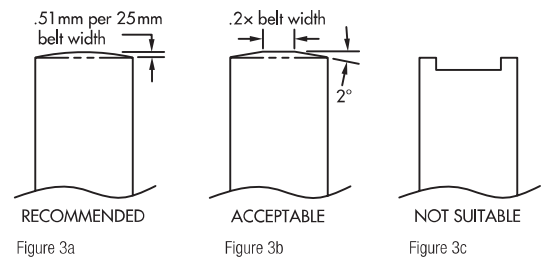


Figure 3a

Figure 3b

Figure 3c

Belt Installation Tension

All belts require a certain amount of tension to function properly in the application. The specific installation tension is determined from several factors including belt type, construction and working load. Belt details are in the Technical Data section of this catalog and working load is derived from your application.

Non-Reinforced Belting: When non-reinforced belting is stretched and released, elasticity is the property that brings the material back to its original shape. This “memory” is what gives our non-reinforced belting its self-tensioning properties. When a non-reinforced belt is first installed (stretched) the material does not return to 100% of its original length and continues to lose elasticity over its life span. This loss in elasticity is evident as tension decay. To overcome tension decay effects, a non-reinforced belt requires a relatively high install tension. Installation tensions ranging from 6% to 10% will normally be sufficient for most applications. If higher tensions are required, the application may exceed the belt's load capacity.

Reinforced Belting: Reinforced belts contain a reinforcing tensile member which increases the belt's modulus of elasticity. This reduces the belt's ability to stretch and minimizes tension decay. This allows a reinforced belt to carry a greater load than a non-reinforced belt. Since an endless reinforced belt is essentially a fixed length, it cannot be stretched on like a non-reinforced belt. Consequently, reinforced belts require a mechanical take-up mechanism to apply the appropriate installation tension as well as accommodating any eventual small amount of tension decay that may occur. This mechanism should accommodate at least 4% of the belt's length.

Belt Installation Length

In this section, we will refer to two different lengths that are defined as follows:

1. **Reference Length:** The length determined by taking a measuring tape and following the path of the belt around all of the pulleys, or through computer aided design (CAD) techniques. This length may also be obtained from the equation below. Take up mechanisms should be adjusted to the minimum position to allow for maximum adjustment of the belt prior to taking or calculating length. Note: this equation applies to two-pulley drives only.

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

where: L = reference length
C = center of pulley shaft to center of pulley shaft distance
D = pitch diameter of large pulley
d = pitch diameter of small pulley

2. **Install Length:** The length the belt is made to prior to welding or joining.

Apply the following formulas to determine the Install Length from Reference Length:

Butt weld non-reinforced: Install Length = Reference Length ÷ (1 + % tension) Example: Reference Length for a non-reinforced belt is 44" (1120mm), requires 8% tension and will be butt welded. Install Length is calculated on right.	Install Length = 44" ÷ (1 + 8%) = 44" ÷ 1.08 = 40.7"	Install Length = 1120mm ÷ (1 + 8%) = 1120mm ÷ 1.08 = 1037mm
Overlap weld reinforced: Install Length = Reference Length + 1.5" (38mm) Example: Reference Length for a reinforced belt is 44" (1120mm) and will be overlap welded. The overlap weld consumes 1.5" (38mm) of belt length. Install Length is calculated on right.	Install Length = 44" + 1.5" = 45.5"	Install Length = 1120mm ÷ (1 + 8%) = 1158mm
Butt weld reinforced: Install Length = Reference Length Example: Reference Length for a reinforced belt is 44" (1120mm) and will be butt welded. The weld consumes a negligible amount of belt length, consequently, Install Length and Reference Length are the same. Install Length is calculated on right.	Install Length = 44"	Install Length = 1120mm
Link Belting: Install length = Reference Length minus (1 - 2%) Example: Reference Length for a link belt is 44" (1120mm). Install Length removing 2% is calculated on right. Remove links to get as close as possible to Install Length.	Install Length = 44" - (44 x .02) = 44" - 0.88" = 43.12"	Install Length = 1120mm - (1120 x .02) = 1120mm - 22.40 = 1097.60

Temperature

The temperature range of polyurethane belting is determined by the thermoplastic resin. Like all thermoplastic resins its physical properties change with changes in temperature. At higher temperatures the material will soften, lose strength and can elongate excessively to the point of premature failure. At lower temperatures the material will become more brittle and stiff which can result in cracking. The temperature ranges are for guidance and listed under each individual belt type in the Material Properties section.

Minimum Pulley Diameter

The most common serious mistake in designing belt drives is the selection of a pulley diameter that is too small. In most cases, non-reinforced belts can operate on smaller diameter pulleys than belts with a reinforcing tensile member. Reinforced belts require a larger pulley diameter to prevent premature flex fatigue failure of the tensile member. Listed under each individual belt type's technical data is the recommended minimum pulley diameter. Smaller diameters can be used only if a reduction in belt service life is acceptable.

Engineering Data — Selection Procedure, Conveying

- Refer to the Technical Data chart for the belt material and cross section selected.
- Use the following formula that meets your application requirements (Note: if belt supported by rollers use .17 for μ):
 - Horizontal Transport with Slider Bed

$$T_e = W_t \times \mu + B_{wt}$$
 - Horizontal Transport with Slider Bed and Product Accumulation

$$T_e = W_t \times \mu + B_{wt} + A_{wt}$$
 - Incline or Decline Transport with Slider Bed

$$T_e = \frac{W_t}{C} \times (H_i + \mu \times \sqrt{C^2 + H_i^2}) + B_{wt}$$
 - Incline or Decline Transport with Slider Bed and Product Accumulation

$$T_e = \frac{W_t}{C} \times (H_i + \mu \times \sqrt{C^2 + H_i^2}) + B_{wt} + A_{wt}$$
- Determine Tight Tension (T1).
 Flat and round belts: $T_1 = T_e \times 2$
 V belts: $T_1 = T_e \times 1.25$
- Refer to the Technical Data chart for the material and cross section selected and compare T1 to the Working Load at maximum % tension. If only one belt is desired, T1 may not be greater than the Working Load at maximum % tension. If more than one belt is required, divide T1 by the Working Load at maximum % tension to arrive at number of belts. Round up to the nearest whole number of belts.
- Find load per belt by dividing T1 by number of belts. From the Technical Data chart, determine the percent installed tension for the load per belt.

Where:

T_e = Effective Tension

W_t = Total Weight on Conveyor

C = Conveyor Center Distance

B_{wt} = Belt weight/unit length $\times C$

A_{wt} = Accumulating weight $\times \mu'$
 (where μ' is the COF between belt and product)

H_i = Incline or decline height

μ = COF on slider bed material from chart

To determine the required belt length, please refer to the "Belt Installation Length" section on the previous page.

Engineering Data — Selection Example

NON-REINFORCED	Part Number	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Color						(lbs) 4% (N)		(lbs) 6% (N)		(lbs) 8% (N)		(lbs) 10% (N)		lbs/ft	kg/m
Eagle® Orange 85	L040G856M	6		1.89	48	1.7	7.7	2.7	11.8	3.5	15.8	4.4	19.4	0.023	0.034
Eagle Orange 85	1032008	1/4	6.3	2	51	1.9	8.6	3	13.3	4	17.7	4.9	21.9	0.026	0.038

NON-REINFORCED Product	Hardness	FDA Compliant	Coefficient of Friction			Contact Temperature Range	
			Stainless Steel	Steel	UHMW	°F	°C
Eagle Orange 85	85A	Yes	0.70	0.60	0.45	-22 to +150	-30 to +66

Example 1

Type of belt being considered = Eagle Orange 85 in 1/4" round

Head-to-tail center distance (C) = 10 feet

Incline or decline = none

Product accumulation on belt(s)? = no

Total weight on belt(s) = 15 lbs.

Type of belt support = UHMW slider bed

- Horizontal Transport with Slider Bed.
 Since the belt will run in UHMW slider bed the COF(μ) of .45 is used from Technical Data chart. From the chart the belt weight is .026 lbs/ft giving a total belt weight of .26 lbs (.026 $\times$ 10').
 $T_e = 15 \text{ lbs} \times .45 + .26 = 7.01$
- Determine Tight Tension (T1).
 round belts $T_1 = 7.01 \times 2 = 14.02$
- Refer to the Technical Data chart for the material and cross section selected and compare T1 to the Working Load at 10% tension.
 If only one belt is desired, T1 may not be greater than the Working Load at 10% tension. If more than one belt is required, divide T1 by the Working Load at 10% tension to arrive at number of belts.
 Round up to the nearest whole number of belts.
 1/4" round rated 4.9 lbs @ 10% tension. $14.02 \div 4.9 = 2.86$ use 3 belts
- Find load per belt by dividing T1 by number of belts. From the Technical Data chart, determine the percent installed tension for the load per belt.
 Load/belt = $14.02 \div 3 = 4.67 \text{ lbs}$
 Corresponding installed tension = 9.7%

Example 2

Eagle Orange 85 in 6mm round

Head-to-tail center distance (C) = 3 meters

Incline or decline = none

Product accumulation on belt(s)? = no

Total weight on belt(s) = 6 kg

Type of belt support = UHMW slider bed

- Horizontal Transport with Slider Bed.
 Since the belt will run in UHMW slider bed the COF(μ) of .45 is used from Technical Data chart. From the chart the belt weight is .034 kgs/m giving a total belt weight of .102 kg (.034 $\times$ 3m).
 $T_e = 6 \text{ kg} \times .45 + .102 = 2.802 \text{ kg}$
- Determine Tight Tension (T1).
 round belts $T_1 = 2.802 \times 2 = 5.604 \text{ kg} = 54.98 \text{ Newtons} (5.604 \times 9.81)$
- Refer to the Technical Data chart for the material and cross section selected and compare T1 to the Working Load at 10% tension.
 If only one belt is desired, T1 may not be greater than the Working Load at 10% tension. If more than one belt is required, divide T1 by the Working Load at 10% tension to arrive at number of belts.
 Round up to the nearest whole number of belts.
 6mm round rated 19.4 N @ 10% tension. $54.98 \div 19.4 = 2.83$ use 3 belts
- Find load per belt by dividing T1 by number of belts. From the Technical Data chart, determine the percent installed tension for the load per belt.
 Load/belt = $54.98 \text{ N} \div 3 = 18.33 \text{ Newtons}$
 Corresponding installed tension = 9.6%

Eagle® Belting Chemical Resistance Chart

Polyurethane is extremely resistant to many industrial oils and chemicals, but not all. Below are a wide variety of oils and chemicals found in industrial applications. Consult Fenner Drives Applications Engineering group for assistance on projects with design criteria outside these parameters, or obtain a sample belt and determine its compatibility in the precise operating conditions.

Acids	Rating	Fuels	Rating	Solvents	Rating
Acetic, 5%	C	ASTM Fuel A	A	Acetone	C
Boric, 4%	C	ASTM Fuel B	C	Aniline	C
Chromic	C	ASTM Fuel C	C	Benzene	C
Citronic	C	Diesel Fuel	B	Benzyl Alcohol	C
Formic	C	Gasoline, Premium	C	Butane	C
HCl	B	Gasohol (10-15% Methanol)	C	Butyl Acetate	C
Hydrochloric, 10%	C	Jet Fuel, JP-4	A	Butyl Alcohol	C
Lactic	C	Kerosene	A	Carbon Tetrachloride	C
Nitric, >1%	C			Chlorobenzene	C
Oleic	C			Chloroform	C
Phosphoric	C	Greases	Rating	Cyclohexane	C
Sulfuric, <20%	B	Calcium Grease	B	Ethanol	C
Sulfuric, >20%	C	Sodium Grease	B	Ether	C
		Teflon Grease	A	Ethyl Acetate	C
				Freon 11, 12, 22	C
				Freon 113	A
				Glycerine, Glycerol, Glycol	A
				Heptane	B
				Hexane	C
				Isopropyl Alcohol	C
				Methanol	C
				Methyl Acetate	C
				Methyl Ethyl Ketone	C
				Methyl Glycol	C
				Methylene Chloride	C
				N-Methyl Pyrrolidone	C
				Perchloroethylene	C
				Pyridine	C
				Turpentine	A
				Tetrachloroethylene	C
				Tetrahydrofuran	C
				Toluene	C
				Trichloroethylene	C
				Xylene	C
				Rating Key	
				A - Fluid has little or no effect	
				B - Fluid has minor to moderate effect	
				C - Fluid has severe effect	

Trackstar® Chemical Resistance Chart

	UHMW-PE
Acids, Weak	S
Acids, Strong	L
Alkalies, Weak	S
Alkalies, Strong	S
Hydrocarbons, Aromatic	L
Hydrocarbons, Aliphatic	S
Ketones	S
Ethers	S
Esters	S
Alcohols	S
Inorganic Salt Solutions	S
Continuous Sunlight	U

S – Suitable
L – Limited Suitability
U – Unsuitable

Disclaimer: Fenner Drives accepts no responsibility nor makes any claims regarding suitability for a particular use or purpose.

For assistance, contact Fenner Drives Applications Engineering group at AE@fennerdrives.com.



NON-REINFORCED Material and Color	Hardness	Compliance	Coefficient of Friction			Contact Temperature Range	
			Stainless Steel	Steel	UHMW	°F	°C
Eagle® Blue 80 EC	80A	EC, FDA	0.80	0.70	0.55	-22 to +150	-30 to +66
Eagle Clear 80 EC	80A	EC, FDA	0.80	0.70	0.55	-22 to +150	-30 to +66
Eagle Blue 80 MD	80A	FDA	0.75	0.65	0.50	-22 to +150	-30 to +66
Eagle Opaque 80	80A	—	0.75	0.65	0.50	-22 to +150	-30 to +66
Eagle Orange 85	85A	FDA	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Clear 85	85A	FDA	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Ivory 85	85A	—	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Red 85	85A	FDA	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Blue 85	85A	FDA	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Green 89	89A	—	0.65	0.55	0.40	-22 to +150	-30 to +66
Eagle Green 89 Textured	89A	—	0.50	0.40	0.30	-22 to +150	-30 to +66
Eagle Green 89 T SureConnect*	89A	—	0.50	0.40	0.30	-22 to +150	-30 to +66
Eagle Orange 89 SureConnect*	89A	—	0.65	0.55	0.40	-22 to +150	-30 to +66
Eagle Red 90	90A	—	0.60	0.50	0.38	-22 to +150	-30 to +66
Eagle Beige 95	95A	FDA	0.55	0.45	0.35	-22 to +150	-30 to +66
Eagle Clear 95	95A	FDA	0.55	0.45	0.35	-22 to +150	-30 to +66
Eagle White 40D	40D	—	0.55	0.45	0.35	-22 to +176	-30 to +80
Eagle Blue 55D	55D	—	0.50	0.40	0.30	-22 to +176	-30 to +80
Eagle Blue 80 EC QC	80A	EC, FDA	0.50	0.40	0.30	-22 to +150	-30 to +66
Eagle Clear 85 QC	85A	FDA	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Red 85 QC	85A	—	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Yellow 85 QC	85A	FDA	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Blue 85 QC	85A	FDA	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Red 85 CXF	85A Base, 60A Top	—	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Ivory 85 SGT PU	85A Base, 70A PU Top	—	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Ivory 85 SGT PVC	85A Base, 50A PVC Top	—	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Ivory 85 SGT TPE	85A Base, 55A TPE Top	—	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Green 89 SGT PVC	89A Base, 50A PVC Top	—	0.65	0.55	0.40	-22 to +150	-30 to +66
Eagle Red 90 SGT PVC	90A Base, 50A PVC Top	—	0.60	0.50	0.38	-22 to +150	-30 to +66
Eagle White 40D SGT PVC	40D Base, 50A PVC Top	—	0.55	0.45	0.35	-22 to +150	-30 to +66
REINFORCED Material and Color	Hardness	Compliance	Coefficient of Friction			Contact Temperature Range	
			Stainless Steel	Steel	UHMW	°F	°C
Eagle Opaque 80	80A	—	0.75	0.65	0.50	-22 to +150	-30 to +66
Eagle Orange 85	85A	FDA	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Hyfen 85	85A	FDA	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Ivory 85	85A	FDA	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Green 89	89A	—	0.65	0.55	0.40	-22 to +150	-30 to +66
Eagle Green 89 Textured	89A	—	0.50	0.40	0.30	-22 to +150	-30 to +66
Eagle Beige 95	95A	FDA	0.55	0.45	0.35	-22 to +150	-30 to +66
Eagle Hyfen 95	95A	FDA	0.55	0.45	0.35	-22 to +150	-30 to +66
Eagle Red 50D LCF Can Cable	50D	—	n/a	n/a	n/a	-22 to +150	-30 to +66
Eagle Blue 55D Can Cable	55D	—	n/a	n/a	n/a	-22 to +176	-30 to +80
Eagle Blue 55D Aramid Can Cable	55D	—	n/a	n/a	n/a	-22 to +176	-30 to +80
Eagle Natural 55D Can Cable	55D	—	n/a	n/a	n/a	-22 to +176	-30 to +80
Eagle Green 63D Can Cable	63D	—	n/a	n/a	n/a	-22 to +176	-30 to +80
Eagle Natural 63D Can Cable	63D	—	n/a	n/a	n/a	-22 to +176	-30 to +80
Eagle Ivory 85 RSGT PU	85A Base, 70A PU Top	—	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Ivory 85 RSGT PVC	85A Base, 50A PVC Top	—	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Ivory 85 RSGT TPE	85A Base, 55A TPE Top	—	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Hyfen 85 CXF V	85A Base, 60A Top	—	0.70	0.60	0.45	-22 to +150	-30 to +66
Eagle Hyfen 85 CXR V	85A Base, 60A Top	—	0.70	0.60	0.45	-22 to +150	-30 to +66

* Eagle SureConnect Connectors are Alloy Steel with a RoHS Compliant Zinc Coating

Note: Cogged Belting is not FDA compliant.



NON-REINFORCED Material and Color	Hardness	Compliance	Contact Temperature Range	
			°F	°C
Eagle Taper Edge Band	60D	—	-22 to +176	-30 to +80


POWERTWIST®

Product	Color	Compliance	Material	Temperature Range	
				°F	°C
POWERTWIST MOVE® Belting	Purple	RoHS	Composite Polyester/Polyurethane	-40 to +240	-40 to +116
POWERTWIST MOVE SuperGrip Top PU	Purple, Orange Top	RoHS	Composite Polyester/Polyurethane Polyurethane grip top surface	-22 to +150	-30 to +66
POWERTWIST MOVE SuperGrip Top PVC	Purple, Green Top	RoHS	Composite Polyester/Polyurethane PVC grip top surface	-22 to +150	-30 to +66
POWERTWIST MOVE Friction Top®	Purple	RoHS	Composite Polyester/Polyurethane	-22 to +150	-30 to +66
POWERTWIST MOVE Bridge Top™	Purple, White Inserts	RoHS	Composite Polyester/Polyurethane PTFE inserts	-40 to +450*	-40 to +232 *
POWERTWIST MOVE RCS	Purple, White Tabs	RoHS	Composite Polyester/Polyurethane Polyurethane tabs	-22 to +150	-30 to +66
POWERTWIST Roller Drive™	Red	RoHS	Composite Polyester/Polyurethane	-22 to +150	-30 to +66
POWERTWIST Antistatic†	Blue	RoHS	Composite Polyester/Polyurethane	-40 to +240	-40 to +116

* Contact temperature

† ISO 1813:1998 inspected and certified by Fenner Drives.



Our Trackstar Guides are produced using only the highest quality virgin black UHMW-PE material to ensure minimum friction and maximum wear resistance.

	ASTM Test	UHMW-PE
Density (gm/cm3)	D792	.930 – .936
Tensile Strength at yield (psi at 73° F)	D638	3100
Elongation at break (% at 73° F)	D638	350
Relative volumetric abrasion loss*	N/A	100
Coefficient of friction on steel 73° F Static	N/A	.15 – .20
Coefficient of friction on steel 73° F Dynamic	N/A	.10 – .20
Hardness 73° F (Shore D)	D785	62 – 66
Coefficient of linear thermal expansion (in/in/° F)	D696	1.1×10^{-4}
Continuous Service Temp in air (max) (° F)	D696	180
Volume Resistivity (Ohm/cm)	D257	$>10^{15}$

* Industry standard testing method using slurry of 60% aluminum oxide and 40% water at a rotation speed of 1750 rpm for two hours. A lower number indicates better abrasion resistance.



Round Link Belting



Round

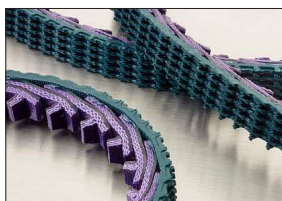
LINK BELTING	Part Number		Cross Section		Minimum Pulley Ø		Max Product Weight w/Idlers		Max Product Weight w/UHMW	
	25'	10m	inches	mm	(in)	(mm)	(lbs)	(kg)	(lbs)	(kg)
POWERTWIST MOVE® Belting	0470125	0470133	5/16"	8mm	2.0	51	74	33	25	11
POWERTWIST MOVE Belting	0470225	0470233	3/8"	10mm	3.0	76	190	86	65	30
POWERTWIST MOVE Belting	0470325	0470333	1/2"	13mm	3.0	76	255	116	85	39
POWERTWIST MOVE Belting	0470425	0470433	9/16"	14mm	5.5	140	450	204	155	70
POWERTWIST MOVE Belting	0470525	0470533	3/4"	19mm	8.5	216	360	163	120	54



POWERTWIST MOVE Round



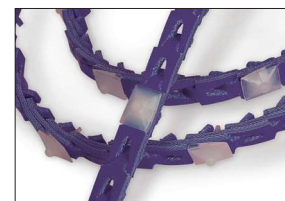
POWERTWIST MOVE V-Belt



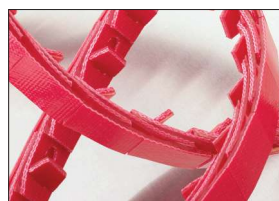
POWERTWIST MOVE SGT



POWERTWIST MOVE Friction Top



POWERTWIST MOVE RCS



POWERTWIST Roller Drive



POWERTWIST MOVE Bridge Top

Link V Belting



V



SGT

LINK BELTING	Part Number				Cross Section	Minimum Pulley Ø		Max Product Weight w/Idlers		Max Product Weight w/UHMW	
	25'	100'/30.5m	10m	30m		(in)	(mm)	(lbs)	(kg)	(lbs)	(kg)
POWERTWIST MOVE Belting	0470725		0470733		A	3.0	76	340	154	115	52
POWERTWIST MOVE SuperGrip Top PU		0430101			A	3.0	76	200	91	65	30
POWERTWIST MOVE SuperGrip Top PVC		0409100			A	3.0	76	200	91	65	30
POWERTWIST MOVE Friction Top®		0408081			A	2.5	64	200	91	65	30
POWERTWIST MOVE Bridge Top™		0499020			A	3.0	76	340	154	115	52
POWERTWIST Antistatic	0408505	0408501	040850010	0408500	A	3.0	76	340	154	115	52
POWERTWIST MOVE Belting	0470825		0470833		B	5.5	140	612	278	204	93
POWERTWIST MOVE Super Grip Top PU		0435101			B	5.5	140	400	181	135	61
POWERTWIST MOVE Super Grip Top PVC		0409200			B	5.5	140	400	181	135	61
POWERTWIST MOVE Friction Top®	0405082	0408082			B	5.0	127	400	181	135	61
POWERTWIST MOVE Bridge Top™	0499021	0499002			B	5.5	140	612	278	204	93
POWERTWIST MOVE Reduced Contact Surface (RCS)		0419300			B	5.5	140	612	278	204	93
POWERTWIST Roller Drive™	0410300-25	0410300	0411301	0411300	B	5.0	127	275	125	95	43
POWERTWIST Antistatic	0408605	0408601	040860010	0408600	B	5.5	140	612	278	204	93
POWERTWIST MOVE Belting	0470925		0470933		C	9.0	229	815	370	275	125
POWERTWIST MOVE Super Grip Top PU		0440101			C	9.0	229	650	295	220	100
POWERTWIST MOVE Super Grip Top PVC		0409300			C	9.0	229	650	295	220	100
POWERTWIST MOVE Belting	0471025		0471033		D	13.2	335	1625	737	550	250
POWERTWIST MOVE Belting	0470625		0470633		Z/10		45	230	105	78	36

* Standard package length 100' / 30.5m

† w (width) is the widest part of the belt. h (height) is the tallest part of the belt, including the belting top surface.

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.

Eagle® O-Rings:

- O-Rings for line shaft, live roller and motion transfer conveyors
- High coefficient of friction
- Elastic with excellent memory
- Popular 1/8", 3/16", 1/4", 5mm and 6mm sizes in stock
- Contact Fenner Drives for part numbers



Eagle® HT O-Rings:

- O-Rings for Powered Live Roller Conveyors
- Available in Translucent Blue (3/16") and Translucent Red (.210")
- Designed to be installed at 20% installation tension

Eagle® HEHT O-Rings

- O-Rings for Powered Live Roller Conveyors
- Available in Green (3/16") and Black (.216")
- Designed to sit below roller surface when installed at 24% tension



Eagle Twisted O-Rings easily installed without dismantling line shaft.

50 pieces per box, packaged with metal hooks. Plastic hooks also available.

Twisted O-Rings:

- Twisted O-Rings are an ideal fast fit solution for live roller conveyors
- Twisted loop construction packaged with metal hooks. Plastic hooks also available
- No need to dismantle drive components

Eagle Fabricated Belts

Let us do the work for you and take the hassle out of fabricating your own endless belts

- Available in all Eagle Belting colors and durometers (except Can Cable)
- Rapid order turnaround

TWISTED O-RINGS		
Material and Color	Part Number	Dimensions
Eagle Clear 85	5050003	3/16" × 6"
Eagle Clear 85	5050011	3/16" × 10"
Eagle Clear 85	5050015	3/16" × 10-1/2"
Eagle Clear 85	5050012	3/16" × 11"
Eagle Clear 85	5050911	3/16" × 11-1/2"
Eagle Clear 85	5050016	3/16" × 12"
Eagle Clear 85	5050005	3/16" × 12-1/2"
Eagle Clear 85	5050002	3/16" × 12-3/4"
Eagle Clear 85	5050006	3/16" × 12-7/8"
Eagle Clear 85	5050007	3/16" × 13"
Eagle Clear 85	5050017	3/16" × 13-1/4"
Eagle Clear 85	5050009	3/16" × 13-1/2"
Eagle Clear 85	5050014	3/16" × 13-3/4"
Eagle Clear 85	5050008	3/16" × 14"
Eagle Clear 85	5050010	3/16" × 14-1/2"

Eagle® Poly-V

Eagle Poly-V belts are PJ-profile belts designed specifically for roller conveyor applications. Made from polyurethane with elastic reinforcement, Eagle Poly-V belts provide the same load capacity as conventional rubber PJ belts with several additional benefits.

Product Features

- Abrasion-resistant polyurethane
- Longer belt life
- Increased performance in curves
- High-friction polyurethane
- Lower running tension required
- Elastic reinforcement
- Self-tensioning for consistent performance
- Lower running tension needed
- Reduced belt fatigue
- Oil, grease and chemical resistant
- Longer belt life



Type	Tension Per Rib		Top Width Per Rib		Thickness		Angle	Temperature Range		Minimum Pulley Diameter		Maximum Belt Speed	
	(N)	(lbs)	(mm)	(in)	(mm)	(in)		C	F	(mm)	(in)	m/s	ft/min
EPJ	24.5 to 50.0	5.5 to 11.2	2.34	0.1	3.6 +/- .25	0.14 +/- 0.01	40° +/- 2°	-20°C to 70°C	-4°F to 158°F	20 mm	0.8 in	55	10k

Part Number	Description	Length		Ribs	Load Capacity		Min./Max Center Distance w/43mm (1.9 in) Endcap	
		(mm)	(in)		(kg)	(lbs)	(mm)	(in)
70477101	Black 75 2EPJ246	246	9.7	2	1 to 200	1 to 440	54.4 - 58.1	2.14 - 2.29
70484001	Black 75 3EPJ246			3	201 to 300	441 to 661		
70484101	Black 75 4EPJ246			4	301 to 400	662 to 882		
70474201	Black 75 2EPJ256	256	10.1	2	1 to 200	1 to 440	60.0 - 64.9	2.36 - 2.55
70483101	Black 75 3EPJ256			3	201 to 300	441 to 661		
70484301	Black 75 4EPJ256			4	301 to 400	662 to 882		
70484401	Black 75 2EPJ263	263	10.3	2	1 to 200	1 to 440	60.5 - 64.9	2.38 - 2.57
70467202	Black 75 3EPJ263			3	201 to 300	441 to 661		
70484501	Black 75 4EPJ263			4	301 to 400	662 to 882		
70484801	Black 75 2EPJ265	265	10.4	2	1 to 200	1 to 440	63.2 - 67.2	2.49 - 2.65
70472501	Black 75 3EPJ265			3	201 to 300	441 to 661		
70484901	Black 75 4EPJ265			4	301 to 400	662 to 882		
70474901	Black 75 2EPJ286	286	11.3	2	1 to 200	1 to 440	72.6 - 76.9	2.86 - 3.03
70483201	Black 75 3EPJ286			3	201 to 300	441 to 661		
70484701	Black 75 4EPJ286			4	301 to 400	662 to 882		
70477401	Black 75 2EPJ314	314	12.3	2	1 to 200	1 to 440	88.4 - 93.2	3.48 - 3.67
70485401	Black 75 3EPJ314			3	201 to 300	441 to 661		
70485501	Black 75 4EPJ314			4	301 to 400	662 to 882		
70490001	Black 75 2EPJ326	326	12.8	2	1 to 200	1 to 440	92.4 - 97.3	3.64 - 3.83
70490101	Black 75 3EPJ326			3	201 to 300	441 to 661		
70490201	Black 75 4EPJ326			4	301 to 400	662 to 882		
70477001	Black 75 2EPJ336	336	13.2	2	1 to 200	1 to 440	98.4 - 103.5	3.87 - 4.08
70483801	Black 75 3EPJ336			3	201 to 300	441 to 661		
70483901	Black 75 4EPJ336			4	301 to 400	662 to 882		
70485601	Black 75 2EPJ346	346	13.6	2	1 to 200	1 to 440	104.6 - 109.9	4.12 - 4.33
70477601	Black 75 3EPJ346			3	201 to 300	441 to 661		
70485701	Black 75 4EPJ346			4	301 to 400	662 to 882		
70477701	Black 75 2EPJ376	376	14.8	2	1 to 200	1 to 440	118.1 - 123.8	4.65 - 4.87
70485801	Black 75 3EPJ376			3	201 to 300	441 to 661		
70485901	Black 75 4EPJ376			4	301 to 400	662 to 882		
70474101	Black 75 2EPJ388	388	15.2	2	1 to 200	1 to 440	124.8 - 130.7	4.91 - 5.14
70485201	Black 75 3EPJ388			3	201 to 300	441 to 661		
70485301	Black 75 4EPJ388			4	301 to 400	662 to 882		
70477501	Black 75 2EPJ435	435	17.1	2	1 to 200	1 to 440	144.1 - 150.6	5.67 - 5.93
70483601	Black 75 3EPJ435			3	201 to 300	441 to 661		
70483701	Black 75 4EPJ435			4	301 to 400	662 to 882		

2mm, 3/32", 3mm, 1/8" Round Cross Sections

Round Belting



NON-REINFORCED Material and Color	Part Number*	Dimensions Ø (in)	(mm)	Minimum Pulley Ø (in)	(mm)	Working Load @ Percent Tension								Weight	
						(lbs)	4% (N)	(lbs)	6% (N)	(lbs)	8% (N)	(lbs)	10% (N)	lbs/ft	kg/m
Eagle Blue 80 EC	4928000		2	0.55	14	0.1	0.7	0.2	1	0.3	1.4	0.4	1.7	0.002	0.004
Eagle Clear 80 EC	4927000		2	0.55	14	0.1	0.7	0.2	1	0.3	1.4	0.4	1.7	0.002	0.004
Eagle Opaque 80	L040P802M		2	0.55	14	0.2	0.9	0.4	1.6	0.5	2.2	0.6	2.7	0.003	0.004
Eagle Orange 85	L040G852M		2	0.63	16	0.2	0.9	0.3	1.3	0.4	1.8	0.5	2.2	0.003	0.004
Eagle Clear 85	L04C852M		2	0.63	16	0.2	0.9	0.3	1.3	0.4	1.8	0.5	2.2	0.003	0.004
Eagle Green 89	4905402		2	0.71	18	0.3	1.4	0.5	2.4	0.7	3.2	0.9	4	0.003	0.004
Eagle Green 89 Textured	4905302		2	0.71	18	0.2	1	0.4	1.7	0.5	2.3	0.7	2.9	0.003	0.004
Eagle Red 90	4940017		2	0.79	20	1.1	4.7	1.5	6.8	1.9	8.5	2.2	10	0.003	0.004
Eagle Orange 85	1032003	3/32		0.75	19	0.3	1.2	0.4	1.9	0.6	2.5	0.7	3.1	0.004	0.005
Eagle Clear 85	4908003	3/32		0.75	19	0.3	1.2	0.4	1.9	0.6	2.5	0.7	3.1	0.004	0.005
Eagle Clear 95	4907003	3/32		0.94	24	0.5	2.3	0.8	3.4	1	4.3	1.2	5.1	0.004	0.005
Eagle Orange 85	1032004	1/8		1	25	0.5	2.2	0.7	3.3	1	4.4	1.2	5.5	0.006	0.01
Eagle Clear 85	4908006	1/8		1	25	0.5	2.2	0.7	3.3	1	4.4	1.2	5.5	0.006	0.01
Eagle Clear 95	4907006	1/8		1.25	32	0.9	4	1.3	6	1.7	7.7	2.1	9.1	0.007	0.01
Eagle Blue 80 EC	4928001		3	0.83	21	0.4	1.7	0.6	2.5	0.8	3.5	1	4.3	0.005	0.008
Eagle Clear 80 EC	4927001		3	0.83	21	0.4	1.7	0.6	2.5	0.8	3.5	1	4.3	0.005	0.008
Eagle Opaque 80	L040P803M		3	0.83	21	0.5	2.1	0.8	3.5	1.1	4.9	1.4	6.2	0.006	0.009
Eagle Orange 85	L040G853M		3	0.94	24	0.4	1.9	0.7	3	0.9	4	1.1	4.9	0.006	0.009
Eagle Clear 85	L04C853M		3	0.94	24	0.4	1.9	0.7	3	0.9	4	1.1	4.9	0.006	0.009
Eagle Blue 85	L04BL853M		3	0.94	24	0.4	1.9	0.7	3	0.9	4	1.1	4.9	0.006	0.009
Eagle Green 89	L04G893MS		3	1.06	27	0.7	3.2	1.2	5.2	1.6	7.2	2	9	0.006	0.009
Eagle Green 89 Textured	4905303		3	1.06	27	0.5	2.3	0.9	3.8	1.2	5.2	1.5	6.5	0.006	0.009
Eagle Red 90	4940020		3	1.18	30	2.4	10.5	3.4	15.1	4.3	19	5	22.2	0.006	0.009
Eagle White 40D	L04BY403M		3	1.42	36	1.9	8.3	2.9	12.8	3.8	16.8	4.5	20.2	0.006	0.008

* Standard package length 100' / 30.5m

† QC dimensions are shown O.D x I.D. (O.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt.)

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.

4mm, 5mm, 3/16" Round Cross Sections

Round Belting



NON-REINFORCED	Part Number*	Dimensions Ø (in) (mm)	Minimum Pulley Ø (in) (mm)	Working Load @ Percent Tension								Weight	
				4% (lbs) (N)		6% (lbs) (N)		8% (lbs) (N)		10% (lbs) (N)		lbs/ft	kg/m
Eagle® Blue 80 EC	4928002	4	1.1 28	0.6	2.8	0.9	4.2	1.3	5.6	1.5	6.7	0.009	0.014
Eagle Clear 80 EC	4927002	4	1.1 28	0.6	2.8	0.9	4.2	1.3	5.6	1.5	6.7	0.009	0.014
Eagle Opaque 80	L040P804	4	1.1 28	0.8	3.7	1.4	6.2	2	8.7	2.5	11	0.01	0.015
Eagle Orange 85	L040G854	4	1.26 32	0.8	3.4	1.2	5.3	1.6	7	1.9	8.6	0.01	0.015
Eagle Clear 85	L04C854	4	1.26 32	0.8	3.4	1.2	5.3	1.6	7	1.9	8.6	0.01	0.015
Eagle Red 85	L04R8504	4	1.26 32	0.8	3.4	1.2	5.3	1.6	7	2	8.7	0.01	0.015
Eagle Blue 85	L04BL854	4	1.26 32	0.8	3.4	1.2	5.3	1.6	7	2	8.7	0.01	0.015
Eagle Green 89	4905404	4	1.42 36	1.3	5.7	2.1	9.3	2.9	12.8	3.6	16	0.01	0.015
Eagle Green 89 Textured	4905304	4	1.42 36	0.9	4.1	1.5	6.8	2.1	9.3	2.6	11.6	0.01	0.015
Eagle Red 90	4940021	4	1.57 40	4.2	18.6	6	26.8	7.6	33.8	8.9	39.5	0.01	0.015
Eagle White 40D	L04BY404	4	1.89 48	3.3	14.8	5.1	22.8	6.7	29.8	8.1	36	0.01	0.015
Eagle Blue 80 MD	4941100	3/16	1.31 33	0.8	3.5	1.2	5.4	1.6	7	1.9	8.6	0.013	0.02
Eagle Orange 85	1032006	3/16	1.5 38	1.1	4.9	1.7	7.5	2.2	10	2.8	12.3	0.014	0.021
Eagle Clear 85	4908009	3/16	1.5 38	1.1	4.9	1.7	7.5	2.2	10	2.8	12.3	0.014	0.021
Eagle Red 90	4940022	3/16	1.88 48	6	26.5	8.6	38.2	10.8	48.1	12.6	56.2	0.014	0.022
Eagle Clear 95	4907009	3/16	1.88 48	2	9.1	3	13.5	3.9	17.3	4.6	20.6	0.015	0.022
Eagle Clear 85 QC	4934009	.188 × .080†	1.5 38	0.5	2	0.7	3.1	0.9	4.2	1.2	5.2	0.012	0.018
Eagle Yellow 85 QC	4934021	.188 × .080†	1.5 38	0.5	2	0.7	3.1	0.9	4.2	1.2	5.2	0.012	0.018
Eagle Blue 80 EC	4928003	5	1.38 35	0.9	4.2	1.4	6.3	1.9	8.4	2.4	10.6	0.015	0.022
Eagle Clear 80 EC	4927003	5	1.38 35	0.9	4.2	1.4	6.3	1.9	8.4	2.4	10.6	0.015	0.022
Eagle Opaque 80	L040P805M	5	1.38 35	1.3	5.7	2.2	9.7	3.1	13.6	3.9	17.2	0.016	0.024
Eagle Orange 85	4940100	5	1.57 40	1.2	5.4	1.9	8.3	2.5	11	3.1	13.6	0.016	0.024
Eagle Clear 85	L04C855M	5	1.57 40	1.2	5.3	1.9	8.2	2.5	11	3	13.5	0.016	0.024
Eagle Red 85	L04R855	5	1.57 40	1.2	5.3	1.9	8.2	2.5	11	3	13.5	0.016	0.024
Eagle Blue 85	L04BL855M	5	1.57 40	1.2	5.3	1.9	8.2	2.5	11	3	13.5	0.016	0.024
Eagle Green 89	4905405	5	1.77 45	2	8.9	3.3	14.6	4.5	20.1	5.6	25.1	0.016	0.023
Eagle Green 89 Textured	4905305	5	1.77 45	1.5	6.5	2.4	10.6	3.3	14.6	4.1	18.2	0.016	0.023
Eagle Red 90	L04R9005M	5	1.97 50	6	26.5	8.6	38.2	10.8	48.1	12.6	56.2	0.014	0.022
Eagle Beige 95	L04BE955M	5	1.97 50	5.3	23.6	7.5	33.4	9.4	41.8	11	48.8	0.016	0.024
Eagle White 40D	L04BY405M	5	2.36 60	5.2	23.1	8	35.5	10.5	46.6	12.6	56.2	0.015	0.023
Eagle Blue 80 EC QC	4928020	5 × 2†	1.38 35	0.4	1.8	0.6	2.8	0.8	3.7	1	4.6	0.012	0.018
Eagle Clear 85 QC	L04QC855M	5 × 2†	1.57 40	0.5	2.3	0.8	3.5	1.1	4.7	1.3	5.8	0.013	0.02
Eagle Red 85 QC	L04QR855M	5 × 2†	1.57 40	0.5	2.3	0.8	3.5	1.1	4.7	1.3	5.8	0.013	0.02
Eagle Blue 85 QC	L04QB855M	5 × 2†	1.38 35	0.5	2.3	0.8	3.5	1.1	4.7	1.3	5.8	0.013	0.02
QC Connectors	4935009	25/pack											
REINFORCED	Part Number*	Dimensions Ø (in) (mm)	Minimum Pulley Ø (in) (mm)	Working Load @ Percent Tension								Weight	
				1% (lbs) (N)		2% (lbs) (N)		3% (lbs) (N)		4% (lbs) (N)		lbs/ft	kg/m
Eagle Hyfen 85	5218009	3/16	2.06 52	2.8	12.5	6.8	30.2	11.2	49.8	15.5	68.9	0.014	0.021
Eagle Green 89	L04G89MRS	5	1.97 50	1.7	7.4	5	22.2	10.2	45.4	15.7	70.1	0.016	0.023
Eagle Green 89 Textured	4940056	5	1.97 50	2.3	10.2	6.9	30.5	14	62.5	21.7	96.3	0.016	0.023

* Standard package length 100' / 30.5m

† QC dimensions are shown O.D x I.D. (O.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt.)

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.

6mm, 1/4" Round Cross Sections



Round Belting

NON-REINFORCED	Part Number*	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color						4% (lbs) (N)		6% (lbs) (N)		8% (lbs) (N)		10% (lbs) (N)		lbs/ft	kg/m
Eagle® Blue 80 EC	4928004		6	1.65	42	1.3	5.9	2.1	9.1	2.8	12.3	3.4	15.2	0.021	0.032
Eagle Clear 80 EC	4927004		6	1.65	42	1.3	5.9	2.1	9.1	2.8	12.3	3.4	15.2	0.021	0.032
Eagle Opaque 80	L040P806M		6	1.65	42	1.9	8.2	3.2	14	4.4	19.6	5.6	24.7	0.023	0.034
Eagle Orange 85	L040G856M		6	1.89	48	1.7	7.7	2.7	11.8	3.5	15.8	4.4	19.4	0.023	0.034
Eagle Clear 85	L04C856M		6	1.89	48	1.7	7.7	2.7	11.8	3.5	15.8	4.4	19.4	0.023	0.034
Eagle Blue 85	L04BL856M		6	1.89	48	1.7	7.7	2.7	11.9	3.6	15.8	4.4	19.5	0.023	0.034
Eagle Green 89	4905406		6	2.13	54	2.9	12.8	4.7	21	6.5	28.9	8.1	36.1	0.023	0.034
Eagle Green 89 Textured	4905306		6	2.13	54	2.1	9.3	3.4	15.3	4.7	21	5.9	26.2	0.023	0.034
Eagle White 40D	L04BY406M		6	2.83	72	7.5	33.3	11.5	51.2	15.1	67.1	18.2	80.9	0.022	0.033
Eagle Blue 80 EC QC	4928021		6 × 2.5†	1.65	42	0.6	2.5	0.9	3.9	1.2	5.3	1.5	6.6	0.018	0.026
Eagle Clear 85 QC	L04QC856M		6 × 2.5†	1.89	48	0.7	3.2	1.1	5	1.5	6.7	1.9	8.3	0.019	0.028
Eagle Red 85 QC	L04QR856M		6 × 2.5†	1.89	48	0.7	3.2	1.1	5	1.5	6.7	1.9	8.3	0.019	0.028
Eagle Blue 85 QC	L04QB856M		6 × 2.5†	1.89	48	0.7	3.2	1.1	5	1.5	6.7	1.9	8.3	0.019	0.028
Eagle Blue 80 MD	4941101	1/4	6.3	1.75	44	1.3	6	2.1	9.2	2.8	12.3	3.4	15.3	0.024	0.035
Eagle Opaque 80	4940003	1/4	6.3	1.75	44	2.1	9.2	3.5	15.7	4.9	22	6.2	27.7	0.026	0.039
Eagle Orange 85	1032008	1/4	6.3	2	51	1.9	8.6	3	13.3	4	17.7	4.9	21.9	0.026	0.038
Eagle Clear 85	4908012	1/4	6.3	2	51	1.9	8.6	3	13.3	4	17.7	4.9	21.9	0.026	0.038
Eagle Red 90	4940023	1/4	6.3	2.5	64	10.6	47.2	15.3	67.9	19.2	85.5	22.5	100	0.026	0.038
Eagle Clear 95	4907012	1/4	6.3	2.5	64	3.6	16.1	5.4	24	6.9	30.8	8.2	36.6	0.026	0.039
Eagle Clear 85 QC	4934012	.250 × .098†		2	51	0.8	3.7	1.3	5.7	1.7	7.7	2.1	9.5	0.022	0.032
Eagle Yellow 85 QC	4934022	.250 × .098†		2	51	0.8	3.7	1.3	5.7	1.7	7.7	2.1	9.5	0.022	0.032
Eagle Blue 80 EC	4928005	1/4	6.3	1.74	44	1.5	6.6	2.3	10.2	3.1	13.7	3.8	17	0.023	0.035
Eagle Blue 85	L04BL856.3	1/4	6.3	2	51	1.9	8.6	3	13.3	4	17.7	4.9	21.8	0.025	0.037
QC Connectors	L04CON6S	25/pack													
REINFORCED	Part Number*	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color						1% (lbs) (N)		2% (lbs) (N)		3% (lbs) (N)		4% (lbs) (N)		lbs/ft	kg/m
Eagle Orange 85	L040G856MR		6	2.36	60	0.7	3.2	2.5	11	4.8	21.5	6.9	30.8	0.023	0.034
Eagle Green 89	L04G896MSR		6	2.36	60	2.4	10.6	7.2	32	14.7	65.5	22.7	100.9	0.023	0.034
Eagle Green 89 Textured	4940057		6	2.36	60	3.3	14.6	9.9	43.9	20.2	90	31.2	138.8	0.023	0.034
Eagle Orange 85	4940058	1/4	6.3	2.5	64	0.8	3.6	2.8	12.3	5.4	24.1	7.8	34.6	0.026	0.038
Eagle Hyfen 85	5218012	1/4	6.3	2.75	70	3.7	16.5	12.4	55.2	20	89	27.8	123.7	0.026	0.038

* Standard package length 100' / 30.5m

† QC dimensions are shown O.D x I.D. (O.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt.)

‡ Standard Can Cable package length 500' reel

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.

7mm, 8mm, 5/16" Round Cross Sections

Round Belting



NON-REINFORCED	Part Number*	Dimensions Ø (in) (mm)	Minimum Pulley Ø (in) (mm)	Working Load @ Percent Tension										Weight	
Material and Color				4% (lbs) (N)	6% (lbs) (N)	8% (lbs) (N)	10% (lbs) (N)	lbs/ft	kg/m						
Eagle® Orange 85	L04OG857M	7	2.2 56	2.4 10.5	3.6 16.2	4.8 21.6	6 26.6	0.031	0.046						
Eagle Clear 85	L04C857M	7	2.2 56	2.4 10.5	3.6 16.2	4.8 21.6	6 26.6	0.031	0.046						
Eagle Green 89	4999637	7	2.48 63	3.9 17.4	6.4 28.6	8.8 39.3	11 49.1	0.031	0.046						
Eagle Green 89 Textured	4905307	7	2.48 63	2.9 12.7	4.7 20.9	6.4 28.7	8.1 35.8	0.031	0.046						
Eagle Red 90	L04R907	7	2.76 70	12.9 57.4	18.6 82.7	23.4 104.1	27.4 121.8	0.031	0.047						
Eagle Blue 80 MD	4941102	5/16	2.19 56	2.1 9.4	3.3 14.5	4.3 19.3	5.5 24.3	0.037	0.055						
Eagle Orange 85	1032010	5/16	2.5 64	3 13.5	4.7 20.8	6.2 27.7	7.7 34.1	0.04	0.059						
Eagle Clear 85	4908015	5/16	2.5 64	3 13.5	4.7 20.8	6.2 27.7	7.7 34.1	0.04	0.059						
Eagle Clear 95	4907015	5/16	3.13 79	5.7 25.2	8.4 37.4	10.8 48.1	12.9 57.2	0.041	0.061						
Eagle Clear 85 QC	4934015	.313 × .126†	2.5 64	1.3 5.7	2 8.9	2.7 11.9	3.3 14.7	0.034	0.05						
Eagle Yellow 85 QC	4934023	.313 × .126†	2.5 64	1.3 5.7	2 8.9	2.7 11.9	3.3 14.7	0.034	0.05						
Eagle Blue 80 EC	4928006	8	2.2 56	2.4 10.5	3.6 16.2	4.8 21.5	6.1 26.9	0.038	0.056						
Eagle Clear 80 EC	4927006	8	2.2 56	2.4 10.5	3.6 16.2	4.8 21.5	6.1 26.9	0.038	0.056						
Eagle Opaque 80	L04OP808M	8	2.2 56	3.3 14.7	5.6 25	7.8 34.9	9.9 43.9	0.041	0.061						
Eagle Orange 85	L04OG858M	8	2.52 64	3.1 13.7	4.7 21.1	6.3 28.1	7.8 34.7	0.041	0.06						
Eagle Clear 85	L04C858	8	2.52 64	3.1 13.7	4.7 21.1	6.3 28.1	7.8 34.7	0.041	0.06						
Eagle Blue 85	L04BL858M	8	2.52 64	3.1 13.7	4.7 21.1	6.3 28.1	7.8 34.7	0.041	0.06						
Eagle Green 89	L04G898MS	8	2.83 72	5.1 22.8	8.4 37.4	11.5 51.3	14.4 64.1	0.04	0.06						
Eagle Green 89 Textured	4905308	8	2.83 72	3.7 16.6	6.1 27.2	8.4 37.3	10.5 46.7	0.04	0.06						
Eagle Red 90	4940024	8	3.15 80	16.8 74.9	24.3 107.9	30.5 135.8	35.7 158.9	0.041	0.061						
Eagle Beige 95	L04BE958	8	3.15 80	13.6 60.5	19.3 85.7	24.1 107	28.1 125.1	0.042	0.062						
Eagle White 40D	L04BY408M	8	3.78 96	13.3 59.2	20.5 91	26.8 119.3	32.3 143.8	0.04	0.059						
Eagle Blue 80 EC QC	4928022	8 × 3.2†	2.2 56	1 4.6	1.6 7.1	2.2 9.6	2.7 11.9	0.032	0.047						
Eagle Clear 85 QC	L04QC858M	8 × 3.2†	2.52 64	1.3 5.8	2 9	2.7 12.1	3.4 14.9	0.034	0.051						
Eagle Red 85 QC	L04QR858M	8 × 3.2†	2.52 64	1.3 5.8	2 9	2.7 12.1	3.4 14.9	0.034	0.051						
Eagle Blue 85 QC	L04QB858M	8 × 3.2†	2.52 64	1.3 5.7	2 8.9	2.7 11.9	3.3 14.6	0.034	0.051						
QC Connectors	L04CON8S	25/pack													
REINFORCED	Part Number*	Dimensions Ø (in) (mm)	Minimum Pulley Ø (in) (mm)	Working Load @ Percent Tension										Weight	
Material and Color				1% (lbs) (N)	2% (lbs) (N)	3% (lbs) (N)	4% (lbs) (N)	lbs/ft	kg/m						
Eagle Green 89	L04G897MRS	7	2.76 70	3.3 14.5	9.8 43.5	20.1 89.2	30.9 137.6	0.031	0.046						
Eagle Green 89 Textured	4940050	7	2.76 70	4.5 19.9	13.5 59.9	27.6 122.7	42.5 189.2	0.031	0.046						
Eagle Orange 85	4940059	5/16	3.13 79	1.3 5.6	4.3 19.3	8.5 37.6	12.1 54	0.04	0.059						
Eagle Hyfen 85	5218015	5/16	3.44 87	3.7 16.5	12.4 55.2	20 89	27.8 123.7	0.04	0.059						
Eagle Orange 85	L04OG858R	8	3.15 80	1.3 5.7	4.4 19.6	8.6 38.2	12.3 54.8	0.041	0.06						
Eagle Green 89	L04G898MRS	8	3.15 80	4.3 18.9	12.8 56.8	26.2 116.4	40.4 179.5	0.04	0.06						
Eagle Green 89 Textured	4940051	8	3.15 80	5.8 26	17.6 78.2	36 160.1	55.5 246.8	0.04	0.06						
Eagle Beige 95	L04BE958R	8	3.78 96	3.8 16.9	7 31.1	10.4 46.3	13.6 60.5	0.042	0.062						

* Standard package length 100' / 30.5m

† QC dimensions are shown O.D x I.D. (O.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt.)

‡ Standard Can Cable package length 500' reel

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.

9mm, 9.5mm, 3/8" Round Cross Sections

Round Belting



NON-REINFORCED	Part Number*	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
						4% (lbs) (N)		6% (lbs) (N)		8% (lbs) (N)		10% (lbs) (N)		lbs/ft	kg/m
Eagle® Green 89 Textured	L04G899		9	3.19	81	4.7	21	7.7	34.4	10.6	47.2	13.3	59	0.051	0.076
Eagle Blue 80 MD	4941103	3/8	9.5	2.63	67	3	13.5	4.7	20.9	6.3	27.9	7.8	34.8	0.054	0.08
Eagle Opaque 80	4940005	3/8	9.5	2.63	67	4.7	20.8	8	35.4	11.1	49.4	14	62.3	0.058	0.087
Eagle Orange 85	1032012	3/8	9.5	3	76	4.4	19.4	6.7	29.9	9	39.9	11.1	49.2	0.057	0.086
Eagle Orange 89 SureConnect	4934145	3/8	9.5	3	76	4.4	19.4	6.7	29.9	9	39.9	11.1	49.2	0.057	0.086
Eagle Clear 85	4908018	3/8	9.5	3	76	4.4	19.4	6.7	29.9	9	39.9	11.1	49.2	0.057	0.086
Eagle Red 90	4940025	3/8	9.5	3.75	95	23.9	106.1	34.4	152.9	43.3	192.4	50.6	225.1	0.058	0.086
Eagle Clear 95	4907018	3/8	9.5	3.75	95	8.2	36.3	12.1	53.9	15.6	69.3	18.5	82.4	0.059	0.088
Eagle Clear 85 QC	4934018	.375 × .152†		3	76	1.8	8.2	2.9	12.7	3.8	17.1	4.7	21	0.048	0.071
Eagle Yellow 85 QC	4934025	.375 × .152†		3	76	1.8	8.2	2.9	12.7	3.8	17.1	4.7	21	0.048	0.071
Eagle Blue 80 EC	4928007	3/8	9.5	2.62	67	3.4	15	5.2	23.2	7	31	8.7	38.7	0.053	0.079
Eagle Blue 85	L04BL859.5M	3/8	9.5	3	76	4.4	19.4	6.7	29.9	9	39.9	11.1	49.2	0.057	0.085
Eagle Green 89	L04G899.5MS	3/8	9.5	3.39	86	7.2	32.1	11.8	52.7	16.3	72.4	20.3	90.4	0.057	0.084
Eagle Blue 80 EC QC	4928023		9.5 × 3.8†	2.64	67	1.5	6.4	2.3	10.1	3	13.5	3.8	16.8	0.045	0.067
QC Connectors	L04CON10S	20/pack													
SureConnect Connectors	4935031	5/pack													
REINFORCED	Part Number*	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
						1% (lbs) (N)		2% (lbs) (N)		3% (lbs) (N)		4% (lbs) (N)		lbs/ft	kg/m
Eagle Orange 85	4940060	3/8	9.5	3.75	95	1.8	8	6.2	27.8	12.2	54.2	17.5	77.8	0.057	0.086
Eagle Hyfen 85	5218018	3/8	9.5	4.13	105	7.3	32.5	26.2	116.5	43.5	193.5	57.4	255.3	0.057	0.086

Can Cable

REINFORCED	Part Number‡	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
						1% (lbs) (N)		2% (lbs) (N)		3% (lbs) (N)		4% (lbs) (N)		lbs/ft	kg/m
Blue 55D Can Cable	4816019	3/8	9.5	12	305	18.1	80.4	42.9	190.6	79.4	353.1	118.4	526.5	0.057	0.086
Natural 55D Can Cable	4816018	3/8	9.5	12	305	18.1	80.4	42.9	190.6	79.4	353.1	118.4	526.5	0.057	0.086
Natural 63D Can Cable	4899006	3/8	9.5	12	305	18.1	80.4	42.9	190.6	79.4	353.1	118.4	526.5	0.058	0.087
Red 50D LCF Can Cable	4816020	3/8	9.5	10	254	23.8	105.9	57.8	257.2	104.3	463.8	152.3	677.2	0.058	0.087
Green 63D Can Cable	4817018	3/8	9.5	12	305	18.1	80.4	42.9	190.6	79.4	353.1	118.4	526.5	0.058	0.087
Blue 55D Aramid Can Cable	4899012	3/8	9.5	12	305	41.7	185.5	149.1	663.2	281.1	1250.4	—	—	0.057	0.086

* Standard package length 100' / 30.5m

† QC dimensions are shown O.D x I.D. (O.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt.)

‡ Standard Can Cable package length 500' reel

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.

10mm, 12mm, 12.7mm, 1/2" Round Cross Sections

Round Belting



Round

NON-REINFORCED	Part Number*	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color						4% (lbs) (N)	6% (lbs) (N)	8% (lbs) (N)	10% (lbs) (N)	lbs/ft	kg/m				
Eagle® Blue 80 EC	4928008		10	2.76	70	3.7	16.4	5.8	25.6	7.7	34.1	9.6	42.6	0.059	0.088
Eagle Clear 80 EC	4927008		10	2.76	70	3.7	16.4	5.8	25.6	7.7	34.1	9.6	42.6	0.059	0.088
Eagle Opaque 80	L040P8010M		10	2.76	70	5.1	22.9	8.8	39	12.2	54.5	15.4	68.6	0.064	0.096
Eagle Orange 85	L040G8510M		10	3.15	80	4.8	21.4	7.4	33	9.9	44	12.2	54.2	0.063	0.094
Eagle Clear 85	L04C8510M		10	3.15	80	4.8	21.4	7.4	33	9.9	44	12.2	54.2	0.063	0.094
Eagle Blue 85	L04BL8510M		10	3.15	80	4.8	21.4	7.4	33	9.9	44	12.2	54.2	0.063	0.094
Eagle Green 89	L04G8910MS		10	3.54	90	8	35.4	13.1	58.2	18	79.9	22.4	99.8	0.063	0.093
Eagle Green 89 Textured	4905310		10	3.54	90	5.8	25.8	9.5	42.3	13.1	58.1	16.3	72.5	0.063	0.093
Eagle Green 89 T SureConnect	4934141		10	3.54	90	5.8	25.8	9.5	42.3	13.1	58.1	16.3	72.5	0.063	0.093
Eagle Red 90	L04R9010M		10	3.94	100	26.3	116.9	37.9	168.4	47.6	211.9	55.7	248	0.064	0.095
Eagle Beige 95	L04BE9510M		10	3.94	100	21.2	94.5	30.1	133.8	37.6	167.2	43.9	195.5	0.065	0.097
Eagle White 40D	L04BY4010M		10	4.72	120	20.8	92.5	32	142.2	41.9	186.5	50.5	224.6	0.062	0.092
Eagle Blue 55D	L04BY5510M		10	5.12	130	39.3	174.6	60.4	268.7	78.5	349.2	93	413.8	0.063	0.094
Eagle Red 85 QC	L04QR8510M		10 × 3.8†	3.15	80	2.1	9.3	3.2	14.4	4.3	19.3	5.3	23.8	0.054	0.081
Eagle Blue 85 QC	L04QB8510M		10 × 3.8†	3.15	80	2.1	9.3	3.2	14.4	4.3	19.3	5.3	23.8	0.054	0.081
Eagle Orange 85	L04OG8512M		12	3.78	96	6.9	30.8	10.7	47.5	14.2	63.3	17.5	78	0.091	0.136
Eagle Clear 85	L04C8512M		12	3.78	96	6.9	30.8	10.7	47.5	14.2	63.3	17.5	78	0.091	0.136
Eagle Green 89	L04G8912MS		12	4.25	108	11.5	51.2	18.9	84.1	26	115.5	32.4	144.3	0.09	0.135
Eagle Green 89 Textured	4905312		12	4.25	108	8.4	37.3	13.8	61.2	18.9	84.1	23.6	105.1	0.091	0.135
Eagle Green 89 T SureConnect	4934142		12	4.25	108	8.4	37.3	13.8	61.2	18.9	84.1	23.6	105.1	0.091	0.135
Eagle Red 90	L04R9012M		12	4.72	120	37.8	168.4	54.5	242.5	68.6	305.2	80.3	357.2	0.092	0.137
Eagle Red 85 QC	L04QR8512M		12 × 5.2†	3.78	96	2.8	12.6	4.4	19.7	5.9	26.3	7.3	32.5	0.074	0.11
Eagle Blue 85 QC	L04QB8512		12 × 5.2†	3.78	96	2.8	12.6	4.4	19.7	5.9	26.3	7.3	32.5	0.074	0.11
Eagle Blue 80 MD	4941105	1/2	12.7	3.5	89	5.4	23.9	8.4	37.3	11.2	49.7	13.8	61.6	0.095	0.142
Eagle Orange 85	1032016	1/2	12.7	4	102	7.8	34.5	12	53.2	16	71	19.6	87.4	0.102	0.152
Eagle Orange 89 SureConnect	4934146	1/2	12.7	4	102	7.8	34.5	12	53.2	16	71	19.6	87.4	0.102	0.152
Eagle Clear 85	4908024	1/2	12.7	4	102	7.8	34.5	12	53.2	16	71	19.6	87.4	0.102	0.152
Eagle Red 90	4940026	1/2	12.7	5	127	42.4	188.6	61.1	271.7	76.9	342	90	400.2	0.103	0.153
Eagle Clear 95	4907024	1/2	12.7	5	127	14.5	64.6	21.6	95.9	27.7	123.1	32.9	146.4	0.105	0.156
Eagle Clear 85 QC	4934024	.500 × .205†		4	102	3.3	14.5	5.1	22.5	6.8	30.2	8.4	37.2	0.085	0.126
Eagle Yellow 85 QC	4934026	.500 × .205†		4	102	3.3	14.5	5.1	22.5	6.8	30.2	8.4	37.2	0.085	0.126
Eagle Red 85	L04R8512.7	1/2	12.7	4	102	7.8	34.5	12	53.2	16	71	19.6	87.4	0.102	0.152
Eagle Blue 85	L04BL8512.7	1/2	12.7	4	102	7.8	34.5	12	53.2	15.9	70.9	19.6	87.4	0.102	0.152
QC Connectors	L04CON10S	20/pack (Use for 3/8" and 10mm)													
QC Connectors	L04CON13S	20/pack (Use for 1/2" and 12-13mm)													
SureConnect Connectors	4935031	5/pack (Use for 10mm)													
SureConnect Connectors	4935032	5/pack (Use for 1/2" and 12mm)													
REINFORCED	Part Number*	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color						1% (lbs) (N)	2% (lbs) (N)	3% (lbs) (N)	4% (lbs) (N)	lbs/ft	kg/m				
Eagle Orange 85	L04OG8510MR		10	3.94	100	2	8.8	6.9	30.6	13.4	59.7	19.3	85.7	0.063	0.094
Eagle Green 89	L04G8910MRS		10	3.94	100	6.6	29.5	20	88.8	40.9	181.9	63.1	280.5	0.063	0.093
Eagle Green 89 Textured	4940052		10	3.94	100	9.1	40.6	27.5	122.1	56.2	250.1	86.7	385.6	0.063	0.093
Eagle Beige 95	L04BE9510R		10	4.72	120	6	26.7	11	48.9	16.2	72.1	21.2	94.3	0.065	0.097
Eagle Orange 85	L04OG8512R		12	4.72	120	2.9	12.7	9.9	44.1	19.3	85.9	27.7	123.4	0.091	0.136
Eagle Green 89	L04G8912MRS		12	4.72	120	9.6	42.6	28.8	127.9	58.9	262	90.8	404	0.09	0.135
Eagle Green 89 Textured	4940053		12	4.72	120	13.2	58.5	39.5	175.9	81	360.2	124.9	555.4	0.09	0.135
Eagle Orange 85	4940061	1/2	12.7	5	127	3.2	14.2	11.1	49.4	21.6	96.3	31.1	138.3	0.102	0.152
Eagle Hyfen 85	5218024	1/2	12.7	5.5	140	7.3	32.5	26.2	116.5	43.5	193.5	57.4	255.3	0.102	0.152

* Standard package length 100' / 30.5m

† w (width) is the widest part of the belt. h (height) is the tallest part of the belt, including the belting top surface.

‡ Belt has a .156" radius guide.

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.

13mm, 9/16" Round Cross Sections

Round Belting



Round

NON-REINFORCED	Part Number*	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color						(lbs) 4% (N)	(lbs) 6% (N)	(lbs) 8% (N)	(lbs) 10% (N)	lbs/ft	kg/m				
Eagle® Clear 85 QC	L04QC8513		13 x 5.2†	4.09	104	3.5	15.3	5.4	23.8	7.2	31.9	8.9	39.4	0.09	0.134
Eagle Red 85 QC	L04QR8513M		13 x 5.2†	4.09	104	3.5	15.3	5.4	23.8	7.2	31.9	8.9	39.4	0.09	0.134
Eagle Blue 80 MD	4941106	9/16		3.94	100	6.9	30.6	10.6	47.1	14.2	63	17.6	78.2	0.121	0.18
Eagle Orange 85	1032018	9/16		4.5	114	9.8	43.7	15.1	67.3	20.2	89.8	24.9	110.6	0.129	0.192
Eagle Orange 89 SureConnect	4934147	9/16		4.5	114	9.8	43.7	15.1	67.3	20.2	89.8	24.9	110.6	0.129	0.192
Eagle Clear 85	4908027	9/16		4.5	114	9.8	43.7	15.1	67.3	20.2	89.8	24.9	110.6	0.129	0.192
Eagle Red 90	4940036	9/16		5.63	143	53.7	238.6	77.3	343.8	97.3	432.7	113.8	506.3	0.13	0.194
Eagle Clear 95	4907027	9/16		5.63	143	18.4	81.7	27.3	121.3	35	155.8	41.7	185.3	0.133	0.197
QC Connectors	L04CON13S	20/pack													
SureConnect Connectors	4935033	5/pack													
REINFORCED	Part Number*	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color						(lbs) 1% (N)	(lbs) 2% (N)	(lbs) 3% (N)	(lbs) 4% (N)	lbs/ft	kg/m				
Eagle Orange 85	4940062	9/16		5.63	143	4.1	18	14	62.5	27.4	121.8	39.3	174.9	0.129	0.192
Eagle Hyfen 85	5218027	9/16		6.19	157	16.7	74.3	36.6	162.8	58	258	75.8	337.2	0.129	0.192

15mm, 16mm, 5/8" Round Cross Sections

Round Belting



Round

NON-REINFORCED	Part Number*	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color						(lbs) 4% (N)	(lbs) 6% (N)	(lbs) 8% (N)	(lbs) 10% (N)	lbs/ft	kg/m				
Eagle® Opaque 80	L04OP8015M		15	4.13	105	11.6	51.6	19.7	87.7	27.6	122.6	34.7	154.4	0.145	0.216
Eagle Blue 85	L04BL8515		15	4.72	120	10.8	48.1	16.7	74.2	22.2	99	27.4	121.9	0.142	0.212
Eagle Green 89	L04G8915MS		15	5.31	135	18	80	29.5	131.4	40.6	180.5	50.7	225.5	0.141	0.21
Eagle Green 89 Textured	4905315		15	5.31	135	13.1	58.1	21.5	95.4	29.5	131.1	36.8	163.8	0.141	0.21
Eagle Green 89 T SureConnect	4934143		15	5.31	135	13.1	58.1	21.5	95.4	29.5	131.1	36.8	163.8	0.141	0.21
Eagle Red 90	4999315		15	5.91	150	59.1	262.9	85.2	378.8	107.2	476.8	125.4	557.9	0.144	0.214
Eagle Beige 95	L04BE9515M		15	5.91	150	47.8	212.5	67.7	301.2	84.6	376.2	98.9	440	0.146	0.217
Eagle White 40D	L04BY4015		15	7.09	180	46.8	208.1	71.9	319.9	94.3	419.6	113.6	505.4	0.139	0.207
Eagle Blue 55D	L04BY5515		15	7.68	195	88.3	392.9	135.9	604.6	176.7	785.8	209.3	931	0.142	0.212
Eagle Blue 80 MD	4941107	5/8		4.38	111	8.4	37.5	13.1	58.2	17.4	77.6	21.7	96.4	0.149	0.222
Eagle Orange 85	1032020	5/8		5	127	12.1	53.9	18.7	83.1	24.9	110.8	30.7	136.5	0.16	0.238
Eagle Clear 85	4908030	5/8		5	127	12.1	53.9	18.7	83.1	24.9	110.8	30.7	136.5	0.16	0.238
Eagle Clear 95	4907030	5/8		6.25	159	22.7	100.9	33.7	149.8	43.2	192.3	51.4	228.7	0.164	0.243
Eagle Clear 85 QC	4934030	.625 × .273†		5	127	5	22.1	7.7	34.2	10.3	45.9	12.7	56.6	0.129	0.192
Eagle Yellow 85 QC	4934020	.625 × .273†		5	127	5	22.1	7.7	34.2	10.3	45.9	12.7	56.6	0.129	0.192
Eagle Clear 85 QC	L04QC8516M		16 × 6.8†	5.04	128	5.1	22.7	7.9	35.2	10.6	47.2	13.1	58.2	0.133	0.198
Eagle Red 85 QC	L04QR8516M		16 × 6.8†	5.04	128	5.1	22.7	7.9	35.2	10.6	47.2	13.1	58.2	0.133	0.198
QC Connectors	4935030	15/pack													
SureConnect Connectors	4935033	5/pack													
REINFORCED	Part Number*	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color						(lbs) 1% (N)	(lbs) 2% (N)	(lbs) 3% (N)	(lbs) 4% (N)	lbs/ft	kg/m				
Eagle Orange 85	L04OG8515MR		15	5.91	150	4.5	19.9	15.5	68.9	30.2	134.3	43.3	192.8	0.142	0.212
Eagle Green 89	L04G8915MRS		15	5.91	150	15	66.5	44.9	199.9	92	409.3	141.9	631.2	0.141	0.21
Eagle Green 89 Textured	4940054		15	5.91	150	20.6	91.5	61.8	274.8	126.5	562.8	195.1	867.9	0.141	0.21
Eagle Beige 95	L04BE9515R		15	7.09	180	13.5	60.1	24.7	109.9	36.5	162.4	47.8	212.6	0.146	0.217
Eagle Hyfen 85	5218030	5/8		6.88	175	16.7	74.3	36.6	162.8	58	258	75.8	337.2	0.16	0.238

* Standard package length 100' / 30.5m

† w (width) is the widest part of the belt. h (height) is the tallest part of the belt, including the belting top surface.

‡ Belt has a .156" radius guide.

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.

18mm, 3/4" Round Cross Sections

Round Belting



Round

NON-REINFORCED	Part Number*	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color						(lbs) 4% (N)	(lbs) 6% (N)	(lbs) 8% (N)	(lbs) 10% (N)	lbs/ft	kg/m				
Eagle® Green 89	L04G8918MS		18	6.38	162	25.9	115.2	42.5	189.2	58.4	259.9	73	324.6	0.203	0.303
Eagle Green 89 Textured	4940091		18	6.38	162	18.8	83.7	30.9	137.5	42.4	188.8	53	235.9	0.203	0.303
Eagle Green 89 T SureConnect	4934144		18	6.38	162	18.8	83.7	30.9	137.5	42.4	188.8	53	235.9	0.203	0.303
Eagle White 40D	L04BY4018		18	8.5	216	67.4	299.7	103.6	460.7	135.8	604.2	163.6	727.8	0.2	0.298
Eagle Blue 55D	L04BY5518		18	9.21	234	127.2	565.8	195.7	870.6	254.4	1131.6	301.4	1340.7	0.205	0.305
Eagle Orange 85	1032024	3/4		6	152	17.5	77.7	26.9	119.6	35.9	159.6	44.2	196.6	0.23	0.342
Eagle Orange 89 SureConnect	4934148	3/4		6	152	17.5	77.7	26.9	119.6	35.9	159.6	44.2	196.6	0.23	0.342
Eagle Clear 85	4908033	3/4		6	152	17.5	77.7	26.9	119.6	35.9	159.6	44.2	196.6	0.23	0.342
Eagle Clear 95	4907033	3/4		7.5	191	32.7	145.3	48.5	215.7	62.3	277	74	329.4	0.236	0.351
SureConnect Connectors	4935034	5/pack (Use for 18mm and 3/4")													
REINFORCED	Part Number*	Dimensions Ø (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color						(lbs) 1% (N)	(lbs) 2% (N)	(lbs) 3% (N)	(lbs) 4% (N)	lbs/ft	kg/m				
Eagle Green 89 Textured	4940055		18	7.09	180	29.6	131.7	89	395.7	182.2	810.5	280.9	1249.7	0.203	0.303
Eagle Orange 85	4940064	3/4		7.5	191	7.2	32.1	25	111.1	48.7	216.6	69.9	311	0.23	0.342
Eagle Hyfen 85	5218033	3/4		8.25	210	16.7	74.3	36.6	162.8	58	258	75.8	337.2	0.23	0.342

20mm Round Cross Section

Round Belting



Round

NON-REINFORCED	Part Number*	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension								Weight	
Material and Color						(lbs) 4% (N)		(lbs) 6% (N)		(lbs) 8% (N)		(lbs) 10% (N)		lbs/ft	kg/m
Eagle Green 89	L04G8920MS	20	7.09	180	32	142.3	52.5	233.5	72.1	320.8	90.1	400.8	0.251	0.374	
Eagle Green 89 Textured	4940092	20	7.09	180	23.2	103.4	38.1	169.7	52.4	233.1	65.5	291.2	0.251	0.374	
Eagle White 40D	L04BY4020	20	9.45	240	83.2	370	127.9	568.7	167.7	745.9	202	898.6	0.247	0.368	

* Standard package length 100' / 30.5m

† QC dimensions are shown O.D x I.D. (O.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt.)

‡ Standard Can Cable package length 500' reel

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.



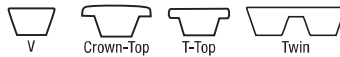
6x4, 8x5, 10x4mm Cross Section



V Belting

NON-REINFORCED	Material and Color	Cross Section	Part Number*	Dimensions w × h† (in) (mm)	Minimum Pulley Ø (in) (mm)	Working Load @ Percent Tension								Weight	
						4% (lbs) (N)	6% (lbs) (N)	8% (lbs) (N)	10% (lbs) (N)	12% (lbs) (N)	14% (lbs) (N)	16% (lbs) (N)	18% (lbs) (N)	lbs/ft	kg/m
	Eagle® Blue 80 EC	6mm × 4mm	4928009	6.5 × 4	1.1 28	0.8 3.7	1.5 6.7	2.1 9.4	2.7 12.1	3.3 14.8	3.9 17.5	4.5 20.2	5.1 22.9	0.015	0.023
	Eagle Clear 80 EC	6mm × 4mm	4927009	6.5 × 4	1.1 28	0.8 3.7	1.5 6.7	2.1 9.4	2.7 12.1	3.3 14.8	3.9 17.5	4.5 20.2	5.1 22.9	0.015	0.023
	Eagle Clear 85	6mm × 4mm	L04C850604	6.5 × 4	1.26 32	1 4.5	1.7 7.6	2.4 10.7	3 13.5	3.6 16.2	4.2 18.9	4.9 21.8	5.5 24.7	0.016	0.024
	Eagle Blue 85	6mm × 4mm	L04BL850604	6.5 × 4	1.25 32	1 4.5	1.7 7.6	2.3 10.7	3 13.5	3.6 16.2	4.2 18.9	4.9 21.8	5.5 24.7	0.016	0.024
	Eagle Blue 80 EC	8mm × 5mm	4928010	8 × 5	1.38 35	1.3 5.7	2.4 10.5	3.3 14.6	4.2 18.9	5.1 22.9	6 24.7	6.9 27.5	7.8 30.3	0.024	0.035
	Eagle Clear 80 EC	8mm × 5mm	4927010	8 × 5	1.38 35	1.3 5.7	2.4 10.5	3.3 14.6	4.2 18.9	5.1 22.9	6 24.7	6.9 27.5	7.8 30.3	0.024	0.035
	Eagle Opaque 80	8mm × 5mm	4940006	8 × 5	1.38 35	1.6 7.1	3.3 14.7	5.2 23.1	7 31.2	8.8 39.6	10.6 47.7	12.5 56.2	14.3 64.7	0.026	0.039
	Eagle Red 85	8mm × 5mm	L04R8585M	8 × 5	1.57 40	1.5 6.8	2.6 11.5	3.6 16.2	4.6 20.5	5.6 25.0	6.6 29.4	7.6 33.8	8.6 38.2	0.025	0.038
	Eagle Blue 85	8mm × 5mm	L04BL8585M	8 × 5	1.57 40	1.5 6.8	2.6 11.5	3.6 16.2	4.6 20.5	5.6 25.0	6.6 29.4	7.6 33.8	8.6 38.2	0.025	0.038
	Eagle Red 90	8mm × 5mm	4940027	8 × 5	2 50	10.8 48.1	15.6 69.3	19.6 87.2	22.9 102	26.1 116	29.4 131	32.7 146	35.9 161	0.026	0.039
	Eagle White 40D	8mm × 5mm	L04BY400805	8 × 5	2.36 60	6 26.5	10.2 45.3	14 62.4	17.3 77.2	21 93.8	24.7 110	28.4 127	32.1 144	0.025	0.037
	Eagle Blue 80 EC	10mm × 4mm T-Top	4928011	10 × 4	1.1 28	1 4.6	1.9 8.5	2.7 11.8	3.4 15.3	4.1 18.4	4.8 21.5	5.5 24.6	6.2 27.7	0.019	0.028
	Eagle Clear 80 EC	10mm × 4mm T-Top	4927011	10 × 4	1.1 28	1 4.6	1.9 8.5	2.7 11.8	3.4 15.3	4.1 18.4	4.8 21.5	5.5 24.6	6.2 27.7	0.019	0.028

Z/10, 3L Cross Section



V Belting

NON-REINFORCED	Material and Color	Cross Section	Part Number*	Dimensions w × h† (in) (mm)	Minimum Pulley Ø (in) (mm)	Working Load @ Percent Tension								Weight	
						4% (lbs) (N)	6% (lbs) (N)	8% (lbs) (N)	10% (lbs) (N)	12% (lbs) (N)	14% (lbs) (N)	16% (lbs) (N)	18% (lbs) (N)	lbs/ft	kg/m
	Eagle Orange 85	3L	1032030	3/8 × 7/32	1.75 44	2.1 9.5	3.6 16.1	5.1 22.6	6.4 28.6	7.8 34.9	9.2 41.3	10.6 47.7	12.0 53.0	0.035	0.053
	Eagle Clear 85	3L	4912063	3/8 × 7/32	1.75 44	2.2 9.7	3.7 16.5	5.2 23.1	6.6 29.3	8.1 36.5	9.5 42.7	11.0 49.0	12.4 55.2	0.035	0.053
	Eagle Blue 85	3L	L04BL853L	3/8 × 7/32	1.75 45	2.1 9.5	3.6 16.1	5.1 22.6	6.4 28.6	7.8 34.9	9.2 41.3	10.6 47.7	12.0 53.0	0.035	0.053
	Eagle Clear 95	3L	4911063	3/8 × 7/32	2.19 56	4 17.9	6.6 29.2	8.8 39.3	10.8 47.9	12.8 57.5	14.8 66.1	16.8 74.7	18.8 83.3	0.036	0.054
	Eagle Orange 85	3L Crown-Top	1032032	9/16 × 1/4	2 51	3 13.2	5 22.4	7.1 31.5	9 39.9	11 48.3	13 57.7	15 66.1	17 74.5	0.049	0.073
	Eagle Orange 85	3L T-Top	1032031	9/16 × 19/64	2.38 60	3.5 15.7	6 26.5	8.4 37.2	10.6 47.2	12.8 57.2	15.0 66.1	17.2 76.1	19.4 85.0	0.058	0.087
	Eagle Clear 85	3L T-Top	4912064	9/16 × 19/64	2.38 60	3.6 16.1	6.1 27.2	8.6 38.2	10.9 48.3	13.2 58.3	15.5 68.3	17.8 78.3	20.1 88.3	0.058	0.087
	Eagle Orange 85	3L Twin	1032033	15/16 × 17/64	2.13 54	5.9 26.2	10 44.5	14 62.4	17.8 79	21.7 97.3	25.6 114	29.4 131	33.3 149	0.098	0.145
	Eagle Clear 85	3L Twin	4912065	15/16 × 17/64	2.13 54	6 26.9	10.2 45.6	14.4 63.9	18.2 81	22.1 98.3	26.0 116	29.9 133	33.8 151	0.098	0.145
	Eagle Clear 95	3L Twin	4911065	15/16 × 17/64	2.5 64	11.1 49.5	18.1 80.6	24.4 108.5	29.7 132.2	35.9 161	42.1 188	48.4 216	54.6 246	0.1	0.149
	Eagle Blue 80 EC	Z/10	4928012	10 × 6.5	1.79 46	2.1 9.2	3.8 16.8	5.3 23.5	6.8 30.3	8.3 37.2	9.8 43.8	11.3 50.7	12.8 57.6	0.038	0.057
	Eagle Clear 80 EC	Z/10	4927012	10 × 6.5	1.79 46	2.1 9.2	3.8 16.8	5.3 23.5	6.8 30.3	8.3 37.2	9.8 43.8	11.3 50.7	12.8 57.6	0.038	0.057
	Eagle Opaque 80	Z/10	4940008	10 × 6.5	1.79 46	2.5 11.3	5.2 23.3	8.3 36.8	11.1 49.5	14 62.4	16.9 75.2	19.8 88.1	22.7 102	0.041	0.062
	Eagle Orange 85	Z/10	4940114	10 × 6.5	1.88 52	2.5 10.9	4.2 18.5	5.8 26	7.4 32.9	9 39.9	10.6 47.7	12.2 55.6	13.8 62.5	0.041	0.061
	Eagle Clear 85	Z/10	4940118	10 × 6.5	2.05 52	2.5 11.2	4.3 19	6 26.6	7.6 33.7	9.2 41.3	10.8 48.3	12.4 55.3	14 62.3	0.041	0.061
	Eagle Ivory 85	Z/10	L04I85Z	10 × 6.5	2.05 52	6.9 30.8	10.6 47	13.9 61.7	16.8 74.8	20.1 89.3	23.4 104	26.7 119	30 131	0.04	0.06
	Eagle Blue 85	Z/10	L04BL85Z	10 × 6.5	1.88 52	2.5 10.8	4.2 18.3	5.8 25.6	7.4 32.5	9 39.6	10.6 47.6	12.2 54.7	13.8 61.8	0.041	0.061
	Eagle Green 89	Z/10	L04G89Z	10 × 6.5	2.3 59	12.4 55.3	19 84.5	24.9 110.6	30 133.4	35.9 160	41.8 188	47.7 215	53.6 243	0.04	0.06
	Eagle Red 90	Z/10	4940028	10 × 6.5	2.5 65	16.9 75.2	24.3 108.3	30.6 136.3	35.9 159.5	42.2 188	48.4 216	54.6 246	60.8 276	0.041	0.061
	Eagle White 40D	Z/10	L04BY40Z	10 × 6.5	3.07 78	9.4 41.9	16.1 71.6	22.2 98.7	27.4 122	33.6 150	39.8 178	45.9 207	52.1 233	0.039	0.058
	Eagle Blue 55D	Z/10	L04BY55Z	10 × 6.5	3.33 85	37.1 165.2	54.6 242.8	68.5 304.8	79.3 352.9	93.8 421	108.3 483	122.8 553	137.3 618	0.041	0.061
REINFORCED	Material and Color	Cross Section	Part Number*	Dimensions w × h† (in) (mm)	Minimum Pulley Ø (in) (mm)	Working Load @ Percent Tension								Weight	
						1% (lbs) (N)	2% (lbs) (N)	3% (lbs) (N)	4% (lbs) (N)	5% (lbs) (N)	6% (lbs) (N)	7% (lbs) (N)	8% (lbs) (N)	lbs/ft	kg/m
	Eagle Beige 95	3L	4940070	3/8 × 7/32	2.63 67	11.4 50.5	26.5 117.9	38.9 172.9	47.8 212.8	56.7 252.7	65.6 293.6	74.5 334.5	83.4 375.4	0.036	0.054
	Eagle Hyfen 85	3L Twin	5299010	15/16 × 17/64	2.92 74	15.5 68.8	21.8 96.8	28.4 126.4	34.7 154.4	41.3 184.4	47.9 214.4	54.5 244.4	61.1 275.4	0.095	0.142
	Eagle Orange 85	Z/10	4940065	10 × 6.5	2.38 65	2.4 10.7	5.7 25.3	9.1 40.4	12 53.3	15 66.1	18 78.9	21 91.7	24 106.5	0.04	0.06
	Eagle Ivory 85	Z/10	L04I85ZR	10 × 6.5	2.56 65	3.1 13.7	9.3 41.3	14.8 65.7	18.8 83.8	22.8 101.8	26.8 119.8	30.8 137.8	34.8 155.8	0.04	0.06

* Standard package length 100' / 30.5m

† QC dimensions are shown O.D x I.D. (O.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt.)

‡ Standard Can Cable package length 500' reel

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.

Conveying - Eagle® Polyurethane

A Cross Section



V Belting

NON-REINFORCED	Cross Section	Part Number*	Dimensions w × h† (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color							(lbs) 4% (N)	(lbs) 6% (N)	(lbs) 8% (N)	(lbs) 10% (N)	lbs/ft	kg/m				
Eagle® Blue 80 EC	A/13	4928013		13 × 8	2.2	56	3.4	14.9	6.1	27.3	8.6	38.2	11.1	49.3	0.062	0.092
Eagle Clear 80 EC	A/13	4927013		13 × 8	2.2	56	3.4	14.9	6.1	27.3	8.6	38.2	11.1	49.3	0.062	0.092
Eagle Blue 80 MD	A/13	4941108	1/2 × 5/16	13 × 8	2.2	56	2.8	12.6	4.8	21.5	6.8	30.4	8.8	38.9	0.061	0.091
Eagle Opaque 80	A/13	4940009	1/2 × 5/16	13 × 8	2.2	56	4.1	18.1	8.4	37.3	13.2	58.8	17.8	79.2	0.066	0.099
Eagle Orange 85	A/13	1032038	1/2 × 5/16	13 × 8	2.5	64	4	17.6	6.7	29.9	9.4	41.9	11.9	53.1	0.066	0.098
Eagle Clear 85	A/13	4912066	1/2 × 5/16	13 × 8	2.5	64	4.1	18.1	6.9	30.6	9.7	43	12.2	54.4	0.066	0.098
Eagle Ivory 85	A/13	L04I85A	1/2 × 5/16	13 × 8	2.52	64	11.2	50	17.2	76.4	22.5	100.2	27.3	121.4	0.065	0.096
Eagle Blue 85	A/13	L04BL85A	1/2 × 5/16	13 × 8	2.5	64	4	18	6.8	30.4	9.5	42.7	12	54.1	0.066	0.098
Eagle Green 89	A/13	L04G89A	1/2 × 5/16	13 × 8	2.83	72	20.2	89.8	30.8	137.2	40.4	179.6	48.7	216.6	0.066	0.098
Eagle Red 90	A/13	4940029	1/2 × 5/16	13 × 8	3.13	80	27	120.2	38.9	173.1	49	217.9	57.3	255	0.066	0.098
Eagle Beige 95	A/13	L04BE95A	1/2 × 5/16	13 × 8	3.1	80	16.6	73.8	24.8	110.3	32	142.5	38.4	170.7	0.068	0.101
Eagle Clear 95	A/13	4911066	1/2 × 5/16	13 × 8	3.13	79	7.5	33.2	12.2	54.2	16.4	72.9	20	88.9	0.067	0.1
Eagle White 40D	A/13	L04BY40A	1/2 × 5/16	13 × 8	3.78	96	15.5	69.1	26.6	118.1	36.6	162.8	45.2	201.2	0.064	0.096
Eagle Blue 55D	A/13	L04BY55A	1/2 × 5/16	13 × 8	4.09	104	60.3	268.3	88.6	394.3	111.3	495	128.8	573.1	0.066	0.098
Eagle Red 85 CXF	A/13	4924320	0.50 × 0.41	13 × 10.54	3.28	83	4.6	20.5	7.3	32.3	9.9	44	12.3	54.8	0.091	0.135
Eagle Ivory 85 SGT PU	A/13	493030030M	0.50 × 0.47	13 × 12.06	3.28	83	11.2	50	17.2	76.4	22.5	100.2	27.3	121.4	0.085	0.127
Eagle Ivory 85 SGT PVC	A/13	L04I85ASG	0.50 × 0.53	13 × 13.51	3.28	83	11.2	50	17.2	76.4	22.5	100.2	27.3	121.4	0.095	0.142
Eagle Ivory 85 SGT TPE	A/13	493120030M	0.50 × 0.48	13 × 12.34	3.28	83	11.2	50	17.2	76.4	22.5	100.2	27.3	121.4	0.028	0.124
Eagle Green 89 SGT PVC	A/13	L04G89ASG	0.50 × 0.53	13 × 13.51	3.69	94	20.2	89.8	30.8	137.2	40.4	179.6	48.7	216.6	0.096	0.143
Eagle Red 90 SGT PVC	A/13	L04R90ASG	0.50 × 0.53	13 × 13.51	3.69	94	27	120.2	38.9	173.1	49	217.9	57.3	255	0.096	0.143
Eagle White 40D SGT PVC	A/13	L04BY40ASG	0.50 × 0.53	13 × 13.51	5.34	136	15.5	69.1	26.6	118.1	36.6	162.8	45.2	201.2	0.095	0.141
Eagle Orange 85	A/13 Hi-Ridge-Top	1032040	1/2 × 5/8		5	127	5.5	24.7	9.4	41.8	13.2	58.7	16.7	74.3	0.092	0.137
Eagle Clear 85	A/13 Hi-Ridge-Top	4911102	1/2 × 5/8		5	127	5.3	23.7	9	40.1	12.7	56.3	16	71.3	0.086	0.128
Eagle Orange 85	A/13 Lo-Ridge-Top	1032039	1/2 × 7/16		3.5	89	4.3	19.1	7.3	32.4	10.2	45.4	12.9	57.5	0.071	0.106
Eagle Clear 85	A/13 Lo-Ridge-Top	4912067	1/2 × 7/16		3.5	89	4.3	19.3	7.3	32.6	10.3	45.8	13	58	0.07	0.104
Eagle Green 89	A/13 Ridge-Top	L04G89AX		13 × 16	5.67	144	33	146.8	50.4	224.3	66	293.6	79.6	354.1	0.107	0.159
Eagle Orange 85	A Twin	1032041	1-3/16 × 5/16		2.5	64	9.3	41.4	15.8	70.2	22.1	98.5	28.1	124.8	0.154	0.23
Eagle Clear 85	A Twin	4912068	1-3/16 × 5/16		2.5	64	9.6	42.5	16.2	72	22.7	100.9	28.7	127.9	0.154	0.23
Eagle Orange 85	AA	1232550	1/2 × 13/32		3.25	83	5.6	25.1	9.6	42.5	13.4	59.6	17	75.5	0.093	0.139
REINFORCED	Cross Section	Part Number*	Dimensions w × h† (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color							(lbs) 1% (N)	(lbs) 2% (N)	(lbs) 3% (N)	(lbs) 4% (N)	lbs/ft	kg/m				
Eagle Opaque 80	A/13	L04OP80AR	1/2 × 5/16	13 × 8	3.15	80	5.9	26.3	16	71.1	24	106.9	29.4	130.7	0.066	0.099
Eagle Orange 85	A/13	4940066	1/2 × 5/16	13 × 8	3.13	80	3.9	17.3	9.3	41.2	14.8	65.8	19.5	86.6	0.065	0.097
Eagle Ivory 85	A/13	L04I85AR	1/2 × 5/16	13 × 8	3.15	80	4.9	21.9	14.8	66	23.6	105.1	30.1	134.1	0.065	0.096
Eagle Green 89	A/13	L04G89AR	1/2 × 5/16	13 × 8	3.15	80	3.8	16.8	14.3	63.5	53.9	239.9	88.7	394.8	0.065	0.096
Eagle Beige 95	A/13	4940075	1/2 × 5/16	13 × 8	3.78	96	20.9	93	48.8	217.1	71.6	318.4	88.1	391.7	0.067	0.099
Eagle Beige 95	A/13 Cogged	4940071	1/2 × 5/16	13 × 8	2.78	71	20.9	93	48.8	217.1	71.6	318.4	88.1	391.7	0.067	0.099
Eagle Hyfen 95	A	5260200	1/2 × 3/8		3.75	95	18.3	81.3	26.6	118.2	34.1	151.8	41.3	183.6	0.077	0.114
Eagle Hyfen 95	A Cogged	5220000	1/2 × 3/8		2.75	70	18.3	81.3	26.6	118.2	34.1	151.8	41.3	183.6	0.077	0.114
Eagle Hyfen 85	A Ridge-Top	5299007	1/2 × 9/16		6.19	157	17.4	77.4	25.1	111.5	33.8	150.2	42.8	190.2	0.1	0.148
Eagle Hyfen 85	A Twin	5299019	1-3/16 × 5/16		3.44	87	45.5	202.2	34.4	153.2	44.9	199.9	54.9	244.2	0.151	0.224
Eagle Hyfen 85 CXF	A	5260520	0.50 × 0.51		4.53	115	17.4	77.4	25.1	111.5	33.8	150.2	42.8	190.2	0.103	0.153
Eagle Hyfen 85 CXR	A	5260525	0.50 × 0.51		4.53	115	17.4	77.4	25.1	111.5	33.8	150.2	42.8	190.2	0.088	0.131
Eagle Hyfen 85 CXF	A Twin	5260572	1.19 × 0.41		4.53	115	45.5	202.2	34.4	153.2	44.9	199.9	54.9	244.2	0.203	0.302
Eagle Hyfen 85 CXR	A Twin	5260577	1.19 × 0.41		4.53	115	45.5	202.2	34.4	153.2	44.9	199.9	54.9	244.2	0.174	0.259
Eagle Ivory 85 SGT PU	A/13	493060030M	0.50 × 0.47	13 × 12.06	4.11	104	4.9	21.9	14.8	66	23.6	105.1	30.1	134.1	0.085	0.127
Eagle Ivory 85 SGT PVC	A/13	L04I85ARSG	0.50 × 0.53	13 × 13.51	4.11	104	4.9	21.9	14.8	66	23.6	105.1	30.1	134.1	0.095	0.142
Eagle Ivory 85 SGT TPE	A/13	493150030M	0.50 × 0.48	13 × 12.34	4.11	104	4.9	21.9	14.8	66	23.6	105.1	30.1	134.1	0.084	0.124

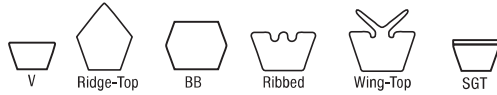
* Standard package length 100' / 30.5m

† w (width) is the widest part of the belt. h (height) is the tallest part of the belt, including the belting top surface.

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.

B Cross Section



V Belting

NON-REINFORCED						Working Load @ Percent Tension								Weight		
Material and Color	Cross Section	Part Number*	Dimensions w x h† (in)	(mm)	Minimum Pulley Ø (in)	(mm)	(lbs) 4%	(N)	(lbs) 6%	(N)	(lbs) 8%	(N)	(lbs) 10%	(N)	lbs/ft	kg/m
Eagle® Blue 80 EC	B/17	4928014		17 × 11.5	3.17	81	6.1	27.3	11.2	49.9	15.7	69.9	20.3	90.2	0.113	0.168
Eagle Clear 80 EC	B/17	4927014		17 × 11.5	3.17	81	6.1	27.3	11.2	49.9	15.7	69.9	20.3	90.2	0.113	0.168
Eagle Blue 80 MD	B/17	4941109	21/32 × 7/16	17 × 11.5	3.17	81	5	22	8.4	37.3	11.8	52.6	15.1	67	0.113	0.168
Eagle Opaque 80	B/17	4940010	21/32 × 7/16	17 × 11.5	3.17	81	7.4	33.1	15.3	68	24.1	107.2	32.5	144.5	0.121	0.18
Eagle Orange 85	B/17	1032047	11/16 × 13/32	17.5 × 10	3.25	83	7	31.1	11.8	52.7	16.6	73.9	21.1	93.7	0.116	0.172
Eagle Clear 85	B/17	4912069	11/16 × 13/32	17.5 × 10	3.25	83	7.2	31.9	12.1	54	17	75.8	21.6	96	0.116	0.172
Eagle Ivory 85	B/17	L04I85B	21/32 × 7/16	17 × 11.5	3.62	92	20.6	91.6	31.4	139.8	41.2	183.4	49.9	222.2	0.118	0.175
Eagle Blue 85	B/17	L04BL85B	21/32 × 7/16	17 × 11.5	3.25	92	7.3	31	12.4	52.5	17.4	73.7	22	93.4	0.121	0.18
Eagle Green 89	B/17	L04G89B	21/32 × 7/16	17 × 11.5	4.07	104	37	164.4	56.4	251.1	73.9	328.7	89.1	396.4	0.12	0.178
Eagle Clear 95	B/17	4911069	11/16 × 13/32	17.5 × 10	4.13	105	13.2	58.6	21.5	95.5	28.9	128.6	35.2	156.8	0.119	0.177
Eagle White 40D	B/17	L04BY40B	21/32 × 7/16	17 × 11	5.2	132	27.6	122.6	47.1	209.5	64.9	288.9	80.3	357	0.114	0.17
Eagle Blue 55D	B/17	L04BY55B	21/32 × 7/16	17 × 11.5	5.89	150	110.4	491	162.2	721.6	203.6	905.8	235.8	1048.7	0.121	0.18
Eagle Red 90	B/17	4940030	21/32 × 7/16	17 × 11.5	4.5	115	49.3	219.3	71	315.9	89.4	397.5	104.6	465.2	0.12	0.178
Eagle Beige 95	B/17	L04BE95B	21/32 × 7/16	17 × 11.5	4.5	115	30.4	135.1	45.4	201.9	58.6	260.8	70.2	312.3	0.124	0.184
Eagle Orange 85	B/17 Ribbed	1032046	11/16 × 13/32	17.5 × 10	3.25	83	6.5	28.7	10.9	48.6	15.3	68.3	19.4	86.5	0.107	0.159
Eagle Green 89	B/17 Ridge-Top	L04G89BX		17 × 19.5	6.91	176	53.7	238.9	82	364.9	107.4	477.7	129.5	576.1	0.174	0.259
Eagle Orange 85	B/17 Wing-Top	1032048	11/16 × 5/8		5	127	7.8	34.6	13.2	58.7	18.5	82.3	23.5	104.3	0.129	0.192
Eagle Orange 85	BB	1232600	11/16 × 9/16		4.5	114	10.3	45.8	17.5	77.7	24.5	109	31.1	138.1	0.171	0.254
Eagle Clear 95	BB	4911070	11/16 × 9/16		5.63	143	19.4	86.5	31.7	140.9	42.6	189.6	52	231.1	0.175	0.26
Eagle Red 85 CXF	B/17	4924330	0.69 × 0.51	17.5 × 12.54	4.28	109	8.1	36.1	12.8	57	17.4	77.5	21.7	96.7	0.15	0.223
Eagle Ivory 85 SGT PU	B/17	493040030M	0.66 × 0.60	17 × 15.56	4.28	109	20.6	91.6	31.4	139.8	41.2	183.4	49.9	222.2	0.146	0.218
Eagle Ivory 85 SGT PVC	B/17	L04I85BSG	0.66 × 0.66	17 × 17.01	4.28	109	20.6	91.6	31.4	139.8	41.2	183.4	49.9	222.2	0.158	0.235
Eagle Ivory 85 SGT TPE	B/17	493130030M	0.66 × 0.61	17 × 15.84	4.28	109	20.6	91.6	31.4	139.8	41.2	183.4	49.9	222.2	0.039	0.215
Eagle Green 89 SGT PVC	B/17	L04G89BSG	0.66 × 0.66	17 × 17.01	4.82	122	37	164.4	56.4	251.1	73.9	328.7	89.1	396.4	0.16	0.238
Eagle Red 90 SGT PVC	B/17	L04R90BSG	0.66 × 0.66	17 × 17.01	4.82	122	49.3	219.3	71	315.9	89.4	397.5	104.6	465.2	0.16	0.238
Eagle White 40D SGT PVC	B/17	L04BY40BSG	0.66 × 0.66	17 × 17.01	6.96	177	27.6	122.6	47.1	209.5	64.9	288.9	80.3	357	0.154	0.229
REINFORCED							Working Load @ Percent Tension								Weight	
Material and Color	Cross Section	Part Number*	Dimensions w x h† (in)	(mm)	Minimum Pulley Ø (in)	(mm)	(lbs) 1%	(N)	(lbs) 2%	(N)	(lbs) 3%	(N)	(lbs) 4%	(N)	lbs/ft	kg/m
Eagle Hyfen 95	B	5260300	21/32 × 1/2		5	127	26.9	119.6	39.1	173.8	50.2	223.3	60.7	270.1	0.131	0.196
Eagle Hyfen 95	B Cogged	5230000	21/32 × 1/2		4	102	26.9	119.6	39.1	173.8	50.2	223.3	60.7	270.1	0.131	0.196
Eagle Hyfen 85	B Ridge-Top	5299009	21/32 × 11/16		7.56	192	25.7	114.4	37	164.6	49.9	221.7	63.2	280.9	0.161	0.239
Eagle Opaque 80	B/17	L04OP80BR	21/32 × 7/16	17 × 11.5	4.53	115	11	48.8	29.7	132	44.6	198.4	54.5	242.6	0.123	0.183
Eagle Orange 85	B/17	4940067	21/32 × 7/16	17 × 11.5	4.38	115	7.1	31.6	16.9	75.2	27	120	35.5	158	0.119	0.177
Eagle Ivory 85	B/17	L04I85BR	21/32 × 7/16	17 × 11.5	4.53	115	9	39.9	27.1	120.5	43.1	191.9	55	244.8	0.118	0.175
Eagle Green 89	B/17	4940127	21/32 × 7/16	17 × 11.5	4.53	115	7	31.2	26.5	117.9	100.1	445.3	164.7	732.8	0.12	0.178
Eagle Beige 95	B/17	4940076	21/32 × 7/16	17 × 11.5	5.43	138	38.8	172.7	90.6	403	132.9	591	163.5	727.2	0.124	0.184
Eagle Beige 95	B/17 Cogged	4940072	21/32 × 7/16	17 × 11.5	4.43	113	38.8	172.7	90.6	403	132.9	591	163.5	727.2	0.124	0.184
Eagle Ivory 85	B/17 Ridge-Top	L04I85BRXH		17 × 19.5	7.68	195	13.3	59	40.1	178.3	63.8	283.8	81.4	362	0.174	0.259
Eagle Green 89	B/17 Ridge-Top	L04G89BRXH		17 × 19.5	7.68	195	10.2	45.4	38.5	171.4	145.5	647.3	239.5	1065.1	0.174	0.259
Eagle Hyfen 85 CXF	B	5260530	0.66 × 0.51		5.89	150	25.7	114.4	37	164.6	49.9	221.7	63.2	280.9	0.141	0.21
Eagle Hyfen 85 CXR	B	5260535	0.66 × 0.51		5.89	150	25.7	114.4	37	164.6	49.9	221.7	63.2	280.9	0.122	0.181
Eagle Ivory 85 SGT PU	B/17	493020030M	0.60 × 0.60	17 × 15.56	5.36	136	9	39.9	27.1	120.5	43.1	191.9	55	244.8	0.146	0.218
Eagle Ivory 85 SGT PVC	B/17	L04I85BRSG	0.66 × 0.66	17 × 17.01	5.36	136	9	39.9	27.1	120.5	43.1	191.9	55	244.8	0.158	0.235
Eagle Ivory 85 SGT TPE	B/17	493160030M	0.66 × 0.61	17 × 15.84	5.36	136	9	39.9	27.1	120.5	43.1	191.9	55	244.8	0.144	0.215

* Standard package length 100' / 30.5m

† w (width) is the widest part of the belt. h (height) is the tallest part of the belt, including the belting top surface.

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.

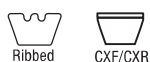
C Cross Sections



V Belting

NON-REINFORCED	Cross Section	Part Number*	Dimensions w × h† (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color							(lbs) 4% (N)	(lbs) 6% (N)	(lbs) 8% (N)	(lbs) 10% (N)	lbs/ft	kg/m				
Eagle® Orange 85	C/22	1032072	29/32 × 17/32	23 × 13.5	4.25	108	12.2	54.1	20.6	91.7	28.9	128.6	36.6	163	0.201	0.3
Eagle Clear 85	C/22	4912072	29/32 × 17/32	23 × 13.5	4.25	108	12.5	55.5	21.1	94	29.6	131.8	37.5	167	0.201	0.3
Eagle Ivory 85	C/22	L04I85C	7/8 × 9/16	22 × 14.5	4.57	116	33.9	150.6	51.7	229.8	67.8	301.7	82.1	365.4	0.194	0.289
Eagle Green 89	C/22	L04G89C	7/8 × 9/16	22 × 14.5	5.14	131	60.8	270.3	92.8	412.9	121.5	540.5	146.5	651.9	0.197	0.293
Eagle Red 90	C/22	4999306	7/8 × 9/16	22 × 14.5	5.75	145	81.1	360.8	116.8	519.7	147.1	654.1	172.1	765.4	0.197	0.293
Eagle Beige 95	C/22	L04BE95C	7/8 × 9/16	22 × 14.5	5.7	145	49.9	222.2	74.6	332	96.4	428.9	115.5	513.6	0.204	0.303
Eagle Clear 95	C/22	4911072	29/32 × 17/32	23 × 13.5	5.31	135	22.9	102	37.4	166.2	50.3	223.7	61.3	272.7	0.206	0.307
Eagle White 40D	C/22	L04BY40C	7/8 × 9/16	22 × 14.5	6.85	174	46.8	208	79.9	355.4	110.2	490	136.1	605.6	0.194	0.288
Eagle Orange 85	C/22 Ribbed	1032054	29/32 × 17/32		4.25	108	11.3	50.3	19.2	85.3	26.9	119.7	34.1	151.7	0.187	0.279
Eagle Green 89	C/22 Ridge-Top	4999514		22 × 24.5	8.68	221	85.6	380.7	130.7	581.4	171.1	761.2	206.4	917.9	0.278	0.413
Eagle Green 89	C/22 Ridge-Top	L04G89CX		22 × 28.5	10.1	257	98.7	439.2	150.8	670.8	197.4	878.1	238.1	1059	0.32	0.477
Eagle Ivory 85 SGT PU	C/22	493050030M	0.88 × 0.72	22 × 18.56	5.28	134	33.9	150.6	51.7	229.8	67.8	301.7	82.1	365.4	0.227	0.338
Eagle Ivory 85 SGT PVC	C/22	L04I85CSG	0.88 × 0.78	22 × 20.01	5.28	134	33.9	150.6	51.7	229.8	67.8	301.7	82.1	365.4	0.245	0.365
Eagle Ivory 85 SGT TPE	C/22	493140030M	0.88 × 0.73	22 × 18.84	5.28	134	33.9	150.6	51.7	229.8	67.8	301.7	82.1	365.4	0.045	0.334
Eagle Green 89 SGT PVC	C/22	L04G89CSG	0.88 × 0.78	22 × 20.01	5.94	151	60.8	270.3	92.8	412.9	121.5	540.5	146.5	651.9	0.248	0.37
Eagle Red 90 SGT PVC	C/22	L04R90CSG	0.88 × 0.78	22 × 20.01	5.94	151	81.1	360.8	116.8	519.7	147.1	654.1	172.1	765.4	0.248	0.369
Eagle White 40D SGT PVC	C/22	L04BY40CSG	0.88 × 0.78	22 × 20.01	8.59	218	46.8	208	79.9	355.4	110.2	490	136.1	605.6	0.24	0.358
REINFORCED	Cross Section	Part Number*	Dimensions w × h† (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color							(lbs) 1% (N)	(lbs) 2% (N)	(lbs) 3% (N)	(lbs) 4% (N)	lbs/ft	kg/m				
Eagle Hyfen 95	C	5260400	7/8 × 5/8		6.25	159	39.8	177.2	57.9	257.6	74.4	330.8	90	400.3	0.226	0.337
Eagle Hyfen 95	C Cogged	5240000	7/8 × 5/8		5.25	133	39.8	177.2	57.9	257.6	74.4	330.8	90	400.3	0.226	0.337
Eagle Orange 85	C/22	4940068	7/8 × 9/16	22 × 14.5	5.62	145	11.7	52	27.8	123.7	44.4	197.4	58.4	260	0.196	0.291
Eagle Ivory 85	C/22	L04I85CR	7/8 × 9/16	22 × 14.5	5.71	145	14.8	65.7	44.6	198.3	71	315.7	90.5	402.7	0.194	0.289
Eagle Green 89	C/22	L04G89CR		22 × 14.5	5.71	145	11.5	51.3	43.6	193.9	164.6	732.4	270.9	1205.1	0.197	0.293
Eagle Beige 95	C/22	4940077	7/8 × 9/16	22 × 14.5	6.85	174	63.8	284	149	662.7	218.5	971.9	268.8	1195.9	0.204	0.303
Eagle Beige 95	C/22 Cogged	4940073	7/8 × 9/16	22 × 14.5	5.85	149	63.8	284	149	662.7	218.5	971.9	268.8	1195.9	0.204	0.303
Eagle Ivory 85	C/22 Ridge-Top	5299103		22 × 24.5	9.65	245	21.7	96.6	65.6	291.7	104.4	464.3	133.2	592.4	0.285	0.424
Eagle Ivory 85	C/22 Ridge-Top	L04I85CRXH		22 × 28.5	11.22	285	24.4	108.5	73.7	327.7	117.3	521.6	149.6	665.4	0.32	0.477
Eagle Green 89	C/22 Ridge-Top	4999524		22 × 24.5	9.65	245	16.2	72.3	61.4	273.1	231.8	1031.3	381.5	1697	0.278	0.413
Eagle Green 89	C/22 Ridge-Top	L04G89CRXH		22 × 28.5	11.22	285	18.7	83.4	70.8	315.1	267.5	1189.8	440.1	1957.8	0.32	0.477
Eagle Hyfen 85 CXF	C	5260540	0.88 × 0.63		7.7	196	38	169.1	54.7	243.4	73.7	327.9	93.4	415.4	0.241	0.358
Eagle Hyfen 85 CXR	C	5260545	0.88 × 0.63		7.7	196	38	169.1	54.7	243.4	73.7	327.9	93.4	415.4	0.215	0.32
Eagle Ivory 85 SGT PU	C/22	493070030M	0.88 × 0.72	22 × 18.56	6.61	168	14.8	65.8	44.6	198.3	71	315.7	90.5	402.7	0.227	0.338
Eagle Ivory 85 SGT PVC	C/22	L04I85CRSG	0.88 × 0.78	22 × 20.01	6.61	168	14.8	65.8	44.6	198.3	71	315.7	90.5	402.7	0.245	0.365
Eagle Ivory 85 SGT TPE	C/22	493170030M	0.88 × 0.73	22 × 18.84	6.61	168	14.8	65.8	44.6	198.3	71	315.7	90.5	402.7	0.224	0.334

D Cross Section



V Belting

NON-REINFORCED	Cross Section	Part Number*	Dimensions w × h† (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color							4% (lbs)	(N)	6% (lbs)	(N)	8% (lbs)	(N)	10% (lbs)	(N)	lbs/ft	kg/m
							Eagle Orange 85	D/32 Ribbed	1032062	1-5/16 x 3/4	33.5 x 19	6	152	22.9	101.8	38.8
REINFORCED	Cross Section	Part Number*	Dimensions w × h† (in) (mm)		Minimum Pulley Ø (in) (mm)		Working Load @ Percent Tension								Weight	
Material and Color							1% (lbs)	(N)	2% (lbs)	(N)	3% (lbs)	(N)	4% (lbs)	(N)	lbs/ft	kg/m
							Eagle Hyfen 85 CXF	D	5260550	1.25 x 0.85	10.88	276	77.1	343	111	493.6

* Standard package length 100' / 30.5m

† w (width) is the widest part of the belt. h (height) is the tallest part of the belt, including the belting top surface.

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.



Flat Belting



Flat



Flat with Guide

NON-REINFORCED	Cross Section	Part Number*	Dimensions w × h† (in) (mm)	Minimum Pulley Ø (in) (mm)	Working Load @ Percent Tension										Weight	
					(lbs)	4% (N)	(lbs)	6% (N)	(lbs)	8% (N)	(lbs)	10% (N)	(lbs)	10% (N)	lbs/ft	kg/m
Eagle® Orange 85	.055" × .375"	1032121	.375 × .055	0.44	11	0.6	2.6	0.9	3.9	1.1	5	1.4	6.1	0.011	0.016	
Eagle Orange 85	.062" × .5"	1032126	.500 × .062	0.5	13	0.9	3.9	1.3	5.8	1.7	7.6	2.1	9.2	0.016	0.024	
Eagle Orange 85	.062" × .75"‡	1032210	.750 × .062	0.5	13	2.3	10.1	3.4	15.1	4.4	19.7	5.4	23.9	0.042	0.062	
Eagle Orange 85	.062" × 1.5"	1032148	1.50 × .062	0.5	13	2.6	11.6	3.9	17.4	5.1	22.7	6.2	27.6	0.048	0.072	
Eagle Orange 85	.062" × 1.75"	1032155	1.75 × .062	0.5	13	3	13.5	4.6	20.3	6	26.5	7.2	32.2	0.056	0.084	
Eagle Orange 85	.062" × 2"	1032160	2.00 × .062	0.5	13	3.5	15.5	5.2	23.2	6.8	30.3	8.3	36.8	0.064	0.096	
Eagle Orange 85	.062" × 3"	1032170	3.00 × .062	0.5	13	5.2	23.2	7.8	34.8	10.2	45.5	12.4	55.2	0.097	0.144	
Eagle Orange 85	.078" × .75"	1032136	.750 × .075	0.62	16	1.6	7.3	2.4	10.9	3.2	14.2	3.9	17.3	0.03	0.045	
Eagle Orange 85	.090" × 1"	1032142	1.00 × .090	0.72	18	2.5	11.2	3.8	16.8	4.9	21.9	6	26.6	0.047	0.069	
Eagle Orange 85	.090" × 1.25"	1032146	1.25 × .090	0.72	18	3.1	14	4.7	21	6.2	27.4	7.5	33.3	0.058	0.087	
Eagle Orange 85	.090" × 1.5"	1032151	1.50 × .090	0.72	18	3.8	16.8	5.7	25.2	7.4	33	9	40	0.07	0.104	
Eagle Orange 85	.090" × 2"	1032163	2.00 × .090	0.72	18	5	22.4	7.6	33.6	9.9	44	12	53.4	0.093	0.139	
Eagle Orange 85	.125" × .625"	1032133	.625 × .125	1	25	2.2	9.7	3.3	14.5	4.3	19	5.2	23	0.04	0.06	
Eagle Orange 85	.125" × 1"	1032143	1.00 × .125	1	25	3.5	15.5	5.2	23.3	6.9	30.5	8.3	37	0.065	0.096	
Eagle Orange 85	.250" × .625"	1032134	.625 × .250	2	51	4.4	19.4	6.5	29	8.5	38	10.4	46.1	0.081	0.12	

* Standard package length 100' / 30.5m

† w (width) is the widest part of the belt. h (height) is the tallest part of the belt, including the belting top surface.

‡ Belt has a .156" radius guide.

Dimensions are for reference only.

All listed items subject to a minimum order quantity. Consult factory for restrictions and availability.

Eagle® Blue-Green Driver Pad

- Manufactured to OEM specifications
- Always a consistent profile with ideal hole alignment
- Always in stock, ready to go to you!

Part Number	Package Length
4912092	250'
4912096	500'





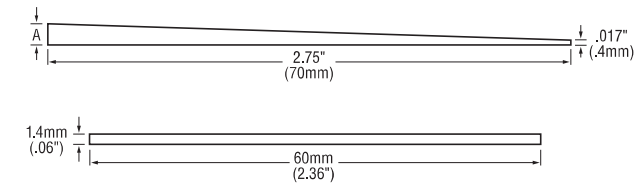
Eagle® Taper Edge Bands (TEB)

- Long lasting, minimal stretch replacement for PVC Bands on wallboard forming lines. Significantly increased life on lines exceeding 350'/min
- Fit and forget installation reduces labor and downtime costs
- Insignificant band stretch — the same perfect impression day 1 and day 100
- Temperature resistance up to 180°F (82°C)

COLOR	Durometer	Part Number		A† inches (mm)
		Left Side*	Right Side*	
Blue	63D	4938280BL	4938280BR	0.085 (2.2)
Red	63D	4938281BL	4938281BR	0.075 (1.9)
Green	63D	4938282BL	4938282BR	0.105 (2.7)
Light Blue	66D	4938290BL	4938290BR	0.085 (2.2)
Light Red	66D	4938291BL	4938291BR	0.075 (1.9)
Light Green	66D	4938292BL	4938292BR	0.105 (2.7)

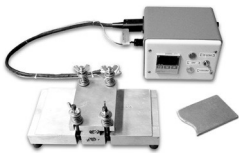
COLOR	Profile	Part Number	Dimensions mm (inches)
Natural	Square‡	4938286	1.4 x 60 (.06 x 2.36)

* As belt travels toward you
† Also available in A dimensions .065" and .070" (1.7mm and 1.8mm)
‡ Non-stock product, minimum order quantity applies



Taper Edge Band Welding Kit

- Thermal splicing for a tough, seamless, flexible joint that maintains a perfect indentation
- Full weld in 12 minutes
- No board scrap generated from joint

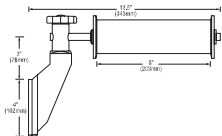


Profile	Part Number	Voltage	Plug
Blue	5700301	115v	US
Red	5700304	115v	US
Green	5700305	115v	US
Blue	5700306	240v	UK
Red	5700307	240v	UK
Green	5700308	240v	UK
Square	5700309	240v	UK

Kit includes: Platen Assembly, Controller, Cutting Shears, Finger Splice Template, Instructional Disc

Taper Edge Band Return Roller

- Prevents surface scoring due to Eagle Taper Edge Band rubbing against worn return support brackets
- Easy to install mounting bracket with hand knob for quick adjustment and release
- Solid polymer plain bearing allows low-friction rotation



	Part Number	Ø	W ₁	W ₂
Bracket and Roller Assembly 8"	DA0041			
Roller 8"	FX0395	2.375	13.5	8
Bracket and Roller Assembly 16"	DA0044			
Roller 16"	FX0434	2.375	21.5	16

Eagle® Welding Kits

Butt Welding Kit & Components – 120V	Part Numbers
Butt Welding Kit 120V – Large Clamp (US Plug)	5700200
Mini Butt Welding Kit 120V – Mini Clamp (US Plug)	5700231
Butt Welding Clamp	5700201
Mini Clamp	5700227
Hot Knife 120V with holder and 2" blade	5700228
Double Iron Hot Knife 120V with holder and 3" blade	5700220
Hot Knife Holder	5700202
Hot Knife Blade – 2"	5700233
Hot Knife Blade – 3" (Use with 5700220)	5700218
Cutting Shears	5700153
Flash Cutter	1448000
Clamping Plate (2 pcs)	5700208
Flat/V belt adapter Plate (2 pcs)	5700209
Black Knurled Knob (5 pcs)	5700212
Case	5700203

Butt Welding Kit & Components – 240V	Part Numbers
Butt Welding Kit 240V – Large Clamp (US Plug)	5700223
Butt Welding Kit 240V – Large Clamp (UK Plug)	L04FULLWELD240V
Butt Welding Kit 240V – Large Clamp (Euro Plug)	L04FULLWELD240E
Mini Butt Welding Kit 240V – Mini Clamp (US Plug)	5700232
Mini Butt Welding Kit 240V – Mini Clamp (UK Plug)	L04MINIWELD240V
Mini Butt Welding Kit 240V – Mini Clamp (Euro Plug)	L04MINIWELD240E
Butt Welder Clamp	5700201
Mini Clamp	5700227
Hot Knife 240 V (US Plug)	5700222
Hot Knife 240 V (UK Plug)	L04HKNIFE240
Cutting Shears	L04SHEARS
Flash Cutter	L04FCUTTER
Hot Knife Blade – 2"	L04S
Case (Large Clamp)	L04CASEBKST
Case (Mini Clamp)	L04CASEBLM



Mini Clamp

Kit Includes: Hot Knife, Large Clamp or Mini Clamp, Flash Cutters, Cutting Shears, Carrying Case

Butt Welding Kit & Components – 110V*	Part Numbers
Butt Welding Kit 110V* – Large Clamp	L04FULLWELD110V
Mini Butt Welding Kit 110V* – Mini Clamp	L04MINIWELD110V

* Unit designed to plug into a power transformer

Eagle Freestyle® Cordless Welding	Part Numbers
Freestyle Welding Kit (US Plug)	5700539
Freestyle Welder	5700537
Freestyle Welder Blade Assembly	5700366
Freestyle Welder End Cap	5700367
Blade Replacement Tape 10/pk	5700542
Pack of 2 D cell NiMH batteries	5700541
Cutting Shears	5700153
Flash Cutter	1448000

Kit includes: Welder, Flat Plate Adapters, Professional Battery Charger, (4) D Cell NiMH Batteries, Blade Release Tape, Cutting Shears, Flash Cutters, Tool Bag



Overlap Welding Kit & Components	Part Numbers
Overlap Welding Kit 120V (US Plug)	5700160K
Overlap Welding Kit 240V (UK Plug)	5700161K
Flash Cutter	5700152
Case	5700164
Temperature Controller w/Control Box 120V (US Plug)	5700300
Temperature Controller w/Control Box 240V (UK Plug)	5700310
Heating Tip (Z Block)	5700325
Thumb Nuts	5700330
Hold Down Pin	5700340
Thermocouple Wire	5700350
Thermocouple Connector	5700355
Heating Element, Power Cord and Plug 120V (US Plug)	5700360
Heating Element, Power Cord and Plug 240V (UK Plug)	5700361
Plug Adapter – UK to EU	5700351
Spring	5700380
Heating Assembly Knob	5700390
1/4" and 5/16" Die Set	5700400
3/8" and 1/2" Die Set	5700410
9/16", 5/8" and 16mm Die Set	5700420
3/4" and 19mm Die	5700430
5mm Die	5700600
6mm Die	5700601

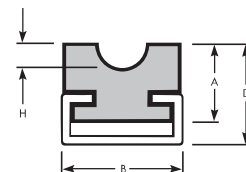
Overlap Welding Kit & Components	Part Numbers
7mm Die	5700602
8mm Die	5700603
9mm Die	5700604
10mm Die	5700605
12mm Die	5700606
18mm Die	5700608
20mm Die	5700620
Z/10 Die Set	5700610
A Hyfen Die Set	5700440
A/13 Die Set	5700611
A Ridge–Top Die Set	5700470
B Hyfen Die Set	5700453
B/17 Die Set	5700612
B Ridge–Top Die Set	5700490
C Hyfen Die Set	5700457
C/22 Die Set	5700613
D Hyfen Die Set	5700460
A Die Set for Hyfen CXF and CXR	5700480
B Die Set for Hyfen CXF and CXR	5700472
C Die Set for Hyfen CXF and CXR	5700476
D Die Set for Hyfen CXF and CXR	5700474



Kit Includes: Welder, Control Box, Set of Dies, Flash Cutters, Cutting Shears, Carrying Case

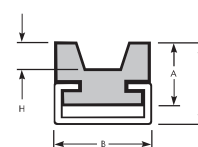
Trackstar® Round Belt Guides

	Belt Cross Section	Part Numbers				Channel Type	A	B	D	H
		Galvanized Channel	Stainless Steel Channel	Aluminum Channel	UHMW Only					
Belt Guide w/ Mounting Channel	4mm, 5mm, 3/16"	GB1006-3G	GB1006-3S	GB1006-3A	GB1006	C3	0.59	0.79	0.8	0.13
	6mm, 1/4"	GB1000-3G	GB1000-3S	GB1000-3A	GB1000	C3	0.59	0.79	0.8	0.16
	7mm, 8mm, 5/16"	GB1001-3G	GB1001-3S	GB1001-3A	GB1001	C3	0.59	0.79	0.8	0.19
	9mm, 9.5mm, 3/8"	GB1002-5G	GB1002-5S		GB1002	C5	0.59	1.1	0.84	0.22
	10mm, 12mm, 12.7mm, 1/2"	GB1003-5G	GB1003-5S		GB1003	C5	0.59	1.1	0.84	0.28
	13mm, 14mm, 9/16"	GB1004-5G	GB1004-5S		GB1004	C5	0.59	1.1	0.84	0.32
	15mm, 16mm, 5/8"	GB1005-5G	GB1005-5S		GB1005	C5	0.71	1.1	0.94	0.35
	18mm, 19mm, 20mm, 3/4"	GB1007-5G	GB1007-5S		GB1007	C5	1.02	1.1	1.26	0.41



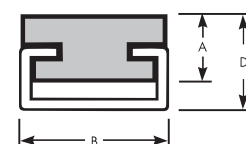
Trackstar V Belt Guides

	Belt Cross Section	Part Numbers				Channel Type	A	B	D	H
		Galvanized Channel	Stainless Steel Channel	Aluminum Channel	UHMW Only					
V Belt Guide with Mounting Channel	6x4, 8x5, 10x4 mm, Z/10, 3L	GB2000-3G	GB2000-3S	GB2000-3A	GB2000	C3	0.59	0.79	0.8	0.16
	A	GB2001-3G	GB2001-3S	GB2001-3A	GB2001	C3	0.59	0.79	0.8	0.2
	A Twin	GB2006-5G	GB2006-5S		GB2006	C5	0.59	1.42	0.84	0.2
	B	GB2002-5G	GB2002-5S		GB2002	C5	0.59	1.1	0.84	0.29
	C	GB2003-5G	GB2003-5S		GB2003	C5	0.71	1.1	0.96	0.4



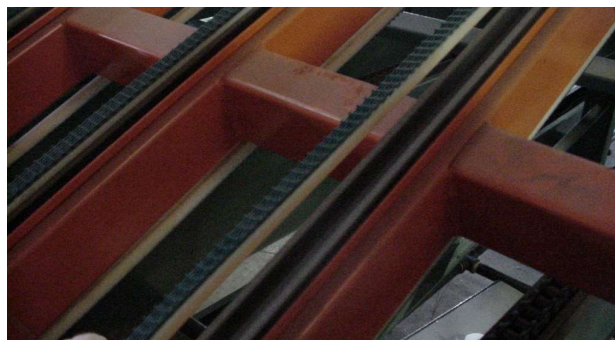
Trackstar Flat Belt Guides

	Part Numbers				Channel Type	A	B	D
	Galvanized Channel	Stainless Steel Channel	Aluminum Channel	UHMW Only				
Flat Guide with Mounting Channel	GR2001-3G	GR2001-3S	GR2001-3A	GR2001	C3	0.39	0.79	0.60
	GR2002-5G	GR2002-5S	—	GR2002	C5	0.39	1.10	0.64
	GR2003-9G	GR2003-9S	—	GR2003	C9	0.59	1.50	0.96



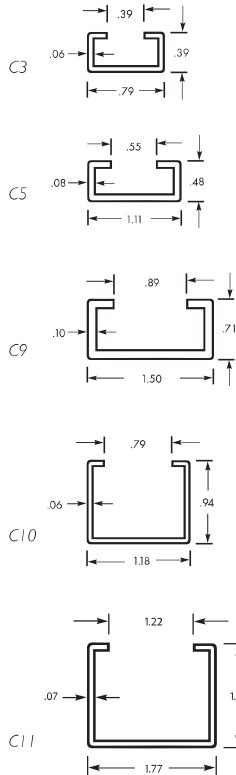
Trackstar Guides are stocked in North America and supplied in 120" standard lengths. Subject to a minimum order quantity.

Dimensions are in inches and are for reference only.



Trackstar® Mounting Channels

Installation is simple with standard 120" C channels in galvanized steel, 304 stainless steel, or anodized aluminum (C3 only). Either tack weld or bolt into place with optional mounting holes.

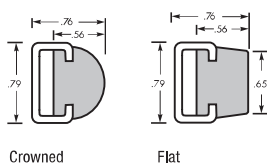


	Part Numbers	Material	Mounting Holes	Centers
C3 Mounting Channel	MC 0500	Anodized Aluminum	None	—
	MC 1000	Galvanized Steel	None	—
	MC 1001	Galvanized Steel	.20 Diameter	12 inch
	MC 1500	#304 Stainless Steel	None	—
	MC 1501	#304 Stainless Steel	.20 Diameter	12 inch
C5 Mounting Channel	MC 2000	Galvanized Steel	None	—
	MC 2001	Galvanized Steel	.20 Diameter	12 inch
	MC 2500	#304 Stainless Steel	None	—
	MC 2501	#304 Stainless Steel	.20 Diameter	12 inch
C9 Mounting Channel	MC 3000	Galvanized Steel	None	—
	MC 3500	#304 Stainless Steel	None	—
C10 Mounting Channel	MC 4500	#304 Stainless Steel	None	—
C11 Mounting Channel	MC 5000	Galvanized Steel	None	—
	MC 5500	#304 Stainless Steel	None	—

Trackstar Channels are stocked in North America and supplied in 120" standard lengths. Subject to a minimum order quantity. Dimensions are in inches and are for reference only.

Trackstar Guide Rails

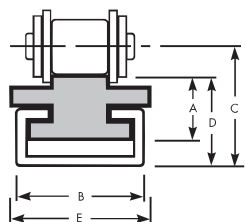
The “C” channel design features a two-piece construction for quick and easy replacement of UHMW inserts. “C” channel guide rails are available in Black or White (FDA/USDA approved material).



	Profile/Color	Part Numbers			
		Galvanized Channel	Stainless Steel Channel	Aluminum Channel	UHMW Only
C3 Guide Rail	Crowned/Black	GR1000-3G120.00	GR1000-3S120.00	GR1000-3A120.00	GR1000
	Crowned/White	GR1001-3G120.00	GR1001-3S120.00	GR1001-3A120.00	GR1001
	Flat/Black	GR1100-3G120.00	GR1100-3S120.00	GR1100-3A120.00	GR1100
	Flat/White	GR1101-3G120.00	GR1101-3S120.00	GR1101-3A120.00	GR1101

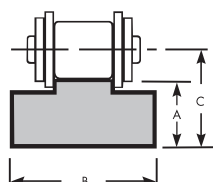
Trackstar Guides are stocked in North America and supplied in 120" standard lengths. Subject to a minimum order quantity. Dimensions are in inches and are for reference only.

Trackstar® Single Chain Guide with Mounting Channel



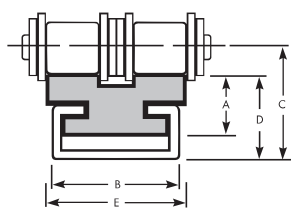
ANSI Chain	Part Number				Channel Type	A	B	C	D	E
	Galvanized	Stainless Steel	Aluminum	UHMW Only						
25-1	GC1025-3G	GC1025-3S	GC1025-3A	GC1025	C3	0.59	0.79	0.86	0.80	0.79
35-1	GC1035-3G	GC1035-3S	GC1035-3A	GC1035	C3	0.59	0.79	0.90	0.80	0.79
40-1	GC1040-3G	GC1040-3S	GC1040-3A	GC1040	C3	0.59	0.79	0.95	0.80	0.79
50-1	GC1050-3G	GC1050-3S	GC1050-3A	GC1050	C3	0.59	0.79	1.00	0.80	0.79
60-1	GC1060-5G	GC1060-5S	—	GC1060	C5	0.59	1.10	1.06	0.83	1.10
80-1	GC1080-5G	GC1080-5S	—	GC1080	C5	0.71	1.10	1.26	0.95	1.34
81X	GC1081-5G	GC1081-5S	—	GC1081	C5	1.25	1.10	1.95	1.50	1.75
100-1	GC1100-9G	GC1100-9S	—	GC1100	C9	0.79	1.50	1.54	1.16	1.75
120-1	GC1120-9G	GC1120-9S	—	GC1120	C9	0.79	1.50	1.60	1.16	2.12

Trackstar Single Chain Guide



ANSI Chain	Part Number	A	B	C
25-1	NC1025	0.59	0.79	0.66
35-1	NC1035	0.59	0.79	0.69
40-1	NC1040	0.59	0.79	0.75
50-1	NC1050	0.59	0.79	0.79
60-1	NC1060	0.59	1.10	0.82
80-1	NC1080	0.71	1.34	1.02
81X	NC1081	1.00	1.75	1.45
100-1	NC1100	1.00	1.61	1.38
120-1	NC1120	1.25	2.01	1.69
140-1	NC1140	1.50	2.17	2.00
160-1	NC1160	1.50	2.61	2.06
180-1	NC1180	1.50	2.88	2.20

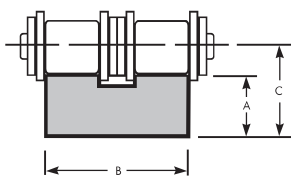
Trackstar Double Chain Guide with Mounting Channel



ANSI Chain	Part Number				Channel Type	A	B	C	D	E
	Galvanized	Stainless Steel	Aluminum	UHMW Only						
25-2	GC2025-3G	GC2025-3S	GC2025-3A	GC2025	C3	0.44	0.79	0.72	0.65	0.79
35-2	GC2035-3G	GC2035-3S	GC2035-3A	GC2035	C3	0.59	0.79	0.89	0.80	0.57*
40-2	GC2040-3G	GC2040-3S	GC2040-3A	GC2040	C3	0.59	0.79	0.95	0.80	0.85
50-2	GC2050-5G	GC2050-5S	—	GC2050	C5	0.59	1.10	1.03	0.84	1.06
60-2	GC2060-5G	GC2060-5S	—	GC2060	C5	0.59	1.10	1.06	0.84	1.34
80-2	GC2080-9G	GC2080-9S	—	GC2080	C9	0.79	1.50	1.47	1.16	1.75
100-2	GC2100-9G	GC2100-9S	—	GC2100	C9	0.79	1.50	1.54	1.16	2.12

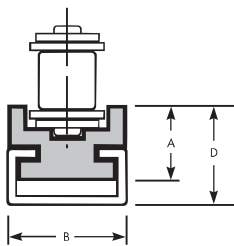
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Trackstar Double Chain Guide



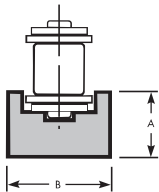
ANSI Chain	Part Number	A	B	C
25-2	NC2025	0.59	0.78	0.66
35-2	NC2035	0.59	0.78	0.69
40-2	NC2040	0.85	0.85	1.00
50-2	NC2050	1.07	1.07	1.27
60-2	NC2060	1.34	1.34	1.57
80-2	NC2080	1.75	1.75	2.06

Trackstar Single Chain Guide with Mounting Channel

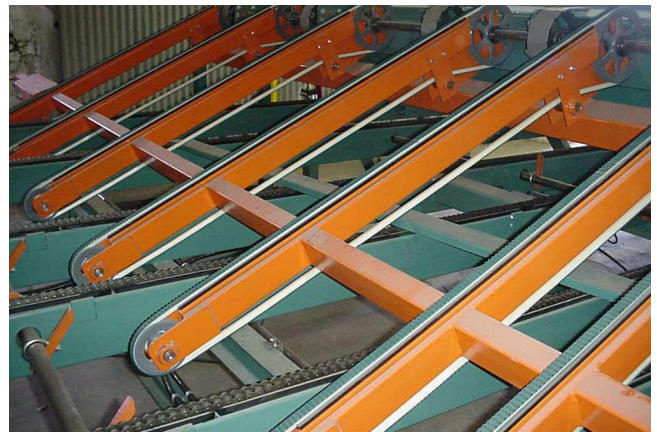
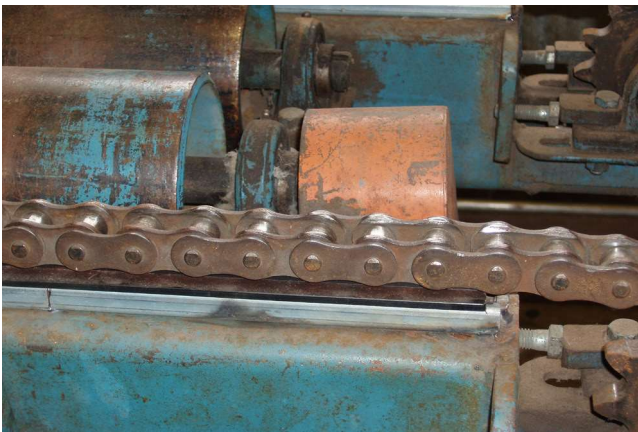


ANSI Chain	Part Number				Channel Type	A	B	D
	Galvanized	Stainless Steel	Aluminum	UHMW Only				
25-1	GC3525-3G	GC3525-3S	GC3525-3A	GC3525	C3	0.59	0.79	0.80
35-1	GC3535-3G	GC3535-3S	GC3535-3A	GC3535	C3	0.59	0.79	0.80
40-1	GC3540-3G	GC3540-3S	GC3540-3A	GC3540	C3	0.59	0.79	0.80
50-1	GC3550-5G	GC3550-5S	—	GC3550	C5	0.71	1.10	0.96
60-1	GC3560-5G	GC3560-5S	—	GC3560	C5	0.71	1.10	0.96
80-1	GC3580-9G	GC3580-9S	—	GC3580	C9	0.79	1.50	1.16

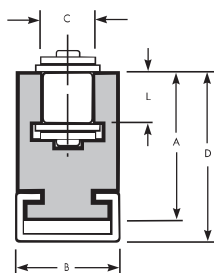
Trackstar® Single Chain Guide



ANSI Chain	Part Number	A	B
25-1	NC3525	0.59	0.78
35-1	NC3535	0.59	0.78
40-1	NC3540	0.59	0.78
50-1	NC3550	0.71	1.10
60-1	NC3560	0.71	1.10
80-1	NC3580	0.79	1.50

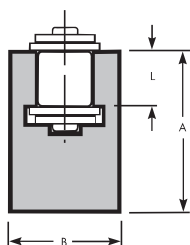


Trackstar Single Chain Guide with Mounting Channel



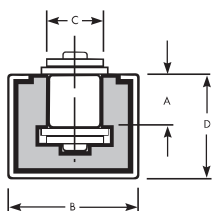
ANSI Chain	Part Number				Channel Type	A	B	C	D	L
	Galvanized	Stainless Steel	Aluminum	UHMW Only						
25-1	GC3625-3G	GC3625-3S	GC3625-3A	GC3625	C3	0.80	0.79	0.15	1.01	0.11
35-1	GC3635-3G	GC3635-3S	GC3635-3A	GC3635	C3	0.80	0.79	0.22	1.01	0.17
40-1	GC3640-5G	GC3640-5S	—	GC3640	C5	1.01	1.10	0.33	1.25	0.29
50-1	GC3650-9G	GC3650-9S	—	GC3650	C9	1.24	1.50	0.42	1.61	0.35
60-1	GC3660-9G	GC3660-9S	—	GC3660	C9	1.66	1.50	0.50	2.03	0.47
80-1	GC3680-9G	GC3680-9S	—	GC3680	C9	2.26	1.50	0.65	2.63	0.60

Trackstar Single Chain Guide



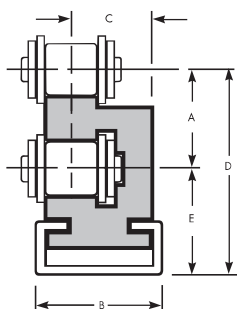
ANSI Chain	Part Number	A	B	L
25-1	NC3625	0.88	0.79	0.11
35-1	NC3635	0.88	0.79	0.17
40-1	NC3640	1.05	1.10	0.29
50-1	NC3650	1.43	1.50	0.35
60-1	NC3660	1.85	1.50	0.47

Trackstar Single Chain Guide with Mounting Channel



ANSI Chain	Part Number			Channel Type	A	B	C	D
	Galvanized	Stainless Steel	UHMW Only					
25-1	GS1025-9G	GS1025-9S	GS1025	C9	0.11	1.50	0.15	0.71
35-1	GS1035-0G	GS1035-0S	GS1035	C10	0.17	1.19	0.22	0.94
40-1	GS1040-0G	GS1040-0S	GS1040	C10	0.29	1.19	0.33	0.94
50-1	GS1050-0G	GS1050-0S	GS1050	C10	0.35	1.19	0.42	0.94
60-1	GS1060-0G	GS1060-0S	GS1060	C10	0.47	1.19	0.49	1.05
80-1	GS1080-1G	GS1080-1S	GS1080	C11	0.60	1.77	0.65	1.58
100-1	GS1100-1G	GS1100-1S	GS1100	C11	0.73	1.77	0.78	1.58

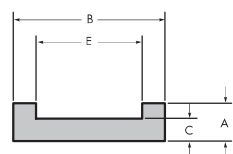
Trackstar Single Chain Guide with Mounting Channel



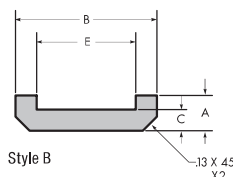
ANSI Chain	Part Number				Channel Type	A	B	C	D	E
	Galvanized	Stainless Steel	Aluminum	UHMW Only						
35-1	GT1035-3G	GT1035-3S	GT1035-3A	GT1035	C3	0.67	0.79	0.71	1.24	0.57
40-1	GT1040-3G	GT1040-3S	GT1040-3A	GT1040	C3	0.59	0.79	0.65	1.16	0.57
50-1	GT1050-3G	GT1050-3S	GT1050-3A	GT1050	C3	0.77	0.79	0.62	1.46	0.69
60-1	GT1060-5G	GT1060-5S	—	GT1060	C5	0.89	1.11	0.87	1.60	0.70

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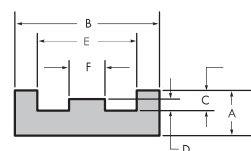
Double Pitch Chain Guides



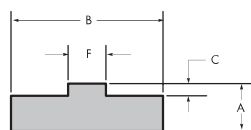
Style A



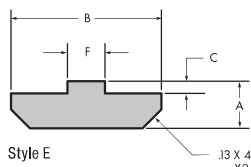
Style B



Style C



Style D



Style E

Part Number	Chain Number	Dimensions (inches)					
		A	B	C	D	E	F
STYLE A							
DPA2040	2040	0,31	1,25	0,19	-	0,88	-
DPA2050	2050	0.38	1.25	0.22	-	1.00	-
DPA2060	2060	0.38	1.50	0.19	-	1.25	-
DPA2080	2080	0.50	2.00	0.25	-	1.56	-
DPA2100	2100	0.63	2.25	0.31	-	1.88	-
DPA2120	2120	0.63	2.75	0.25	-	2.25	-
DPA2081	81X	1.00	3.00	0.38	-	2.50	-
STYLE B							
DPB2040	2040	0.31	1.25	0.19	-	0.88	-
DPB2050	2050	0.38	1.25	0.22	-	1.00	-
DPB2060	2060	0.38	1.50	0.19	-	1.25	-
DPB2080	2080	0.50	2.00	0.25	-	1.56	-
DPB2100	2100	0.63	2.25	0.31	-	1.88	-
DPB2120	2120	0.63	2.75	0.25	-	2.25	-
STYLE C							
DPC2040	2040	0.31	1.00	0.14	0.08	0.69	0.25
DPC2050	2050	0.38	1.25	0.19	0.10	0.81	0.31
DPC2060	2060	0.50	1.50	0.21	0.12	1.13	0.44
DPC2080	2080	0.50	2.00	0.25	0.13	1.44	0.56
STYLE D							
DPD2040	2040	0.31	1.00	0.08	-	-	0.25
DPD2050	2050	0.31	1.25	0.10	-	-	0.31
DPD2060	2060	0.31	1.25	0.12	-	-	0.44
DPD2080	2080	0.38	1.50	0.13	-	-	0.56
DPD2100	2100	0.50	2.00	0.21	-	-	0.69
DPD2120	2120	0.50	2.25	0.26	-	-	0.94
STYLE E							
DPE2040	2040	0.31	1.00	0.08	-	-	0.25
DPE2050	2050	0.31	1.25	0.10	-	-	0.31
DPE2060	2060	0.31	1.25	0.12	-	-	0.44
DPE2080	2080	0.38	1.50	0.13	-	-	0.56
DPE2100	2100	0.50	2.00	0.21	-	-	0.69
DPE2120	2120	0.50	2.25	0.26	-	-	0.94

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Chain Breakers

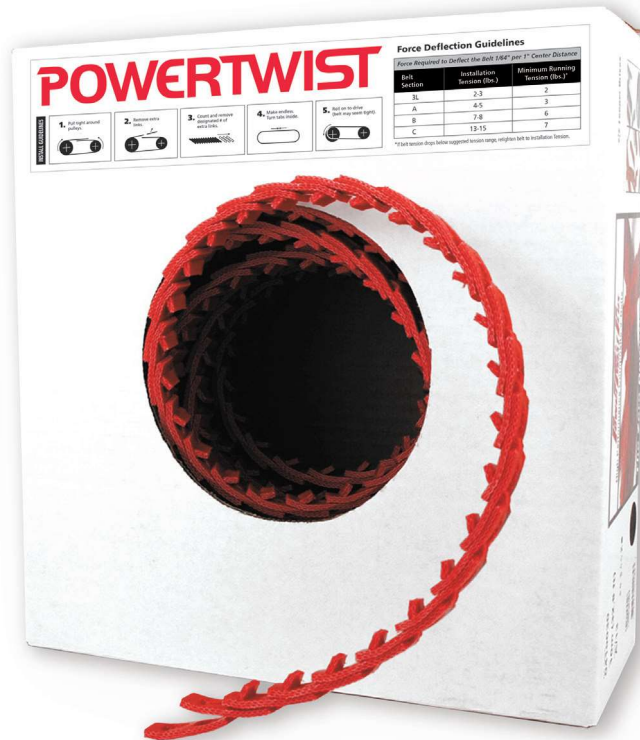


Part Number	Description
5810100	#1 Chain Breaker 25-60 Chain
5810200	#2 Chain Breaker 60-100 Chain
5810300	#3 Chain Breaker 100-160 Chain

Chain Pullers



Part Number	Description
5800350	#35 Chain Puller 35 - 60 Chain
5800500	#50 Chain Puller 40 - 80 Chain
5800800	#80 Chain Puller 80 - 240 Chain



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KEYLESS LOCKING DEVICES

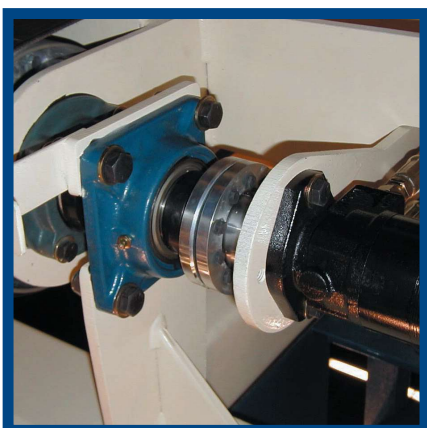


B-LOC[®]

The B-LOC brand is synonymous with world class quality, engineering excellence and unrivaled customer support. Fenner Drives B-LOC Keyless Bushings provide a high capacity, zero-backlash shaft-to-hub connection by using the simple wedge principle. An axial force is applied by series of annular screws to engage circular steel rings and mating tapers. The resulting wedge action creates a radial force on the tapered rings, one of which contracts to squeeze the shaft while the other expands and presses into the component bore.

Trantorque[®]

From gears to cams, timing belt sprockets to conveyor rolls, climate control fan hubs to grinding wheels, the extensive range of Trantorque Keyless Bushings—all with a single locking nut—offers easy to use options for mounting and adjusting position sensitive, zero backlash drive components and accessories.



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Keyless Locking Devices

Trantorque® or B-LOC®: the Enduring Question

Once you have decided that a keyless locking device is the right solution, your next big decision is which series of Fenner Drives Trantorque or B-LOC Keyless Locking Device to choose. While the underlying engineering principle for both Trantorque and B-LOC is exactly the same, the functionality of each may appeal to different applications and situations.

SELECTION ASSISTANCE	Shaft Size Range	Overall Length Range	Torque Transmission	Axial Movement	Self Centering	Concentricity	Balance	Self-Locking Tapers	Recessed Installation Without Counterbore	RoHS Compliant
Trantorque GT	5/8 — 3 in; 15 — 75mm	1 1/2 — 4 1/4 in; 38.1 — 108mm	164 — 1,549 ft lb; 210 — 2,079 Nm	~0.075 in (1.9mm)	Yes	Excellent	Excellent	Yes	No	Yes
Trantorque Mini	1/8 — 5/8 in; 3 — 16mm	3/4 — 1 1/8 in; 19 — 29mm	100 — 2,079 in lb; 11 — 155 Nm	~0.045 in (1.1mm)	Yes	Excellent	Very Good	Yes	No	Yes
Trantorque Micro	1/8 — 5/8 in; 3 — 16mm	5/8 — 1 1/2 in; 15.8 — 38.1mm	46 — 280 in lb; 5 — 32 Nm	~0.0375 in (0.95mm)	Yes	Excellent	Very Good	No	No	Yes
Trantorque OE	1 1/16 — 1 1/2 in; 17 — 35mm	1 5/32 — 1 25/32 in; 29 — 43mm	166 — 512 ft lb; 218 — 676 Nm	~0.075 in (1.9mm)	Yes	Excellent	Excellent	Yes	No	Yes
Trantorque NT	3/16 — 2 in	1 1/16 — 4 3/64 in	7 — 586 ft lb	No	Yes	Excellent	Very Good	Yes	No	Yes
B-LOC B109	1/4 — 1 3/8 in; 6 — 35mm	0.650 — 1.102 in; 16.5 — 28.5mm	167 — 5,929 in lb; 19 — 683 Nm	No	Yes	Excellent	Excellent	Yes	No	Yes
B-LOC B103	3/4 — 8 in; 15 — 400mm	1.122 — 2.559 in; 21.5 — 116mm	247 — 48,913 ft lb; 115 — 489,701 Nm	~0.032 in (0.8mm)	Yes	Excellent	Excellent	Yes	Yes	Yes
B-LOC B106	5/8 — 8 in; 14 — 400mm	0.846 — 2.559 in; 20.5 — 116mm	55 — 37,959 ft lb; 68 — 372,590 Nm	No	Yes	Excellent	Excellent	Yes	No	Yes
B-LOC B800	1/4 — 4 15/16 in; 6 — 130mm	0.866 — 5.039 in; 22 — 128mm	16 — 18,362 ft lb; 22 — 25,742 Nm	No	Yes	Excellent	Excellent	Yes	No	Yes
B-LOC B400	3/4 — 8 in; 18 — 500mm	0.787 — 2.047 in; 20 — 102mm	234 — 53,827 ft lb; 302 — 814,734 Nm	No	No	Fair	Very Good	No	Yes	No
B-LOC B112	1 — 8 in; 24 — 600mm	1.575 — 5.866 in; 40 — 203mm	600 — 110,469 ft lb; 755 — 1,756,139 Nm	No	Yes	Excellent	Excellent	Yes	Yes	Yes
B-LOC B115	2 3/4 — 8 in; 70 — 600mm	2.441 — 4.134 in; 62 — 160mm	5,261 — 70,109 ft lb; 7,118 — 1,228,856 Nm	No	Yes	Excellent	Excellent	Yes	Yes	Yes
B-LOC B113	180 — 560mm	231 — 280mm	223,566 — 2,342,897 Nm	No	Yes	Excellent	Excellent	Yes	Yes	Yes
B-LOC B117	180 — 600mm	122 — 178mm	84,697 — 1,055,107 Nm	No	Yes	Excellent	Excellent	Yes	No	Yes
B-LOC Compression Hubs	1/2 — 3 in; 12 — 75mm	0.708 — 2.224 in; 18.1 — 56.6mm	48 - 4797 ft lb; 65 - 6400 Nm	No	Yes	Fair to Excellent	Excellent	No	N/A	Yes
B-LOC Shrink Discs	5/8 — 2 1/2 in; 15 — 540mm	0.71 — 11.26 in; 22 — 286 mm	138 — 3,267,568 ft lb	No	Yes	Excellent	Excellent	No	N/A	No
B-LOC WK Couplings	5/8 - 4 1/4 in; 16 - 105mm	1.339 - 4.960 in; 34 -126mm	132 - 19810 ft-lb; 179 - 26859 Nm	No	Yes	Excellent	Excellent	No	N/A	Yes

Internal or External

At the broadest level, keyless locking devices may be split into two categories, internal locking devices (Trantorque and B-LOC Keyless Bushings) and external locking devices (B-LOC Shrink Discs, WK Couplings, and Compression Hubs). Selecting an external locking device is relatively straightforward. If you are joining two solid shafts at their ends, see the section on B-LOC WK Couplings. To connect most industry standard coupling hubs or flanges, gearboxes with hollow-shaft outputs, or other similar geometries see the B-LOC Shrink Disc section. If the component you are mounting has a narrow hub or has a short length through-bore, like a plate sprocket, see the section on B-LOC Compression Hubs.

Most applications, however, consist of a shaft and bored component that require the use of a keyless bushing. Many more factors play into the proper selection of a keyless bushing and are briefly addressed below and in the accompanying table.

Shaft Size

Shaft size may immediately determine whether you use a Trantorque or B-LOC Keyless Bushing. A Trantorque can accommodate shaft sizes as small as 1/8" (3mm) while the smallest shaft a B-LOC will fit is 1/4" (6mm). At the other end of the spectrum, Trantorque tops out at 3" (75mm) and the largest B-LOC will accommodate shafts approaching 24" (600mm). Larger and smaller versions of all units may be available as MTOs (Made To Order).

As a practical matter, under most circumstances our Application Engineers will recommend a Trantorque for shaft sizes 1-1/2" and under and a B-LOC for shaft sizes over 1-1/2". These are considered the optimal ranges for the product lines taking maximum advantage of each product's unique installation method.

Installation

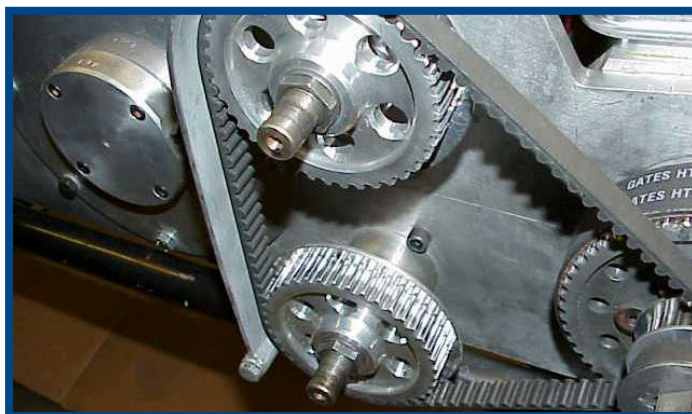
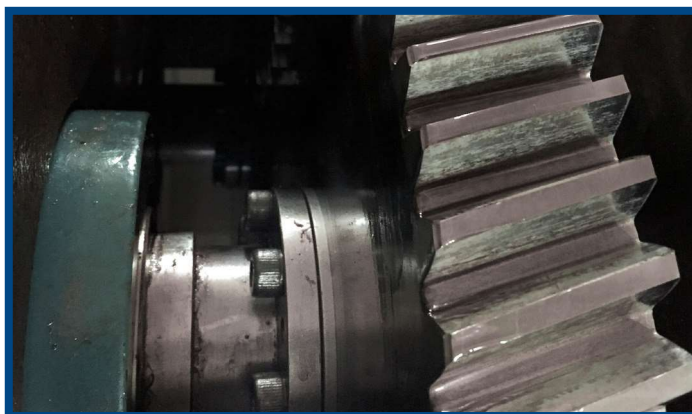
The most obvious difference when comparing a B-LOC to a Trantorque Keyless Bushing is the installation method. All B-LOC units use a plurality of screws; all Trantorque units use a single hex nut. Your particular application will be your guide as to which method is preferred.

The advantages of a single hex nut, as used in a Trantorque Keyless Bushing, are speed and simplicity of installation and removal. For installation, simply tighten the single hex nut to the specified installation torque and your connection is complete. Removal is just as straightforward. Merely loosen the same hex nut and the unit will disengage. The cost for this simplicity is a relatively high installation torque requirement, which may present a challenge for larger units.

Since the force needed to draw the mating tapers of a B-LOC Keyless Bushing together is distributed among many screws, the installation torque of an individual screw is relatively low. This allows for effortless installation of even the largest units. The price paid for this low installation torque is a more timely and complex installation and removal process. The screws must be slowly and equally tightened in series until the final installation torque is achieved. Since most B-LOC units have self locking tapers, the removal process requires loosening all screws and backing off the unit.

Other Considerations

There are several other design points that may help guide you in your selection process. OD to ID ratios vary widely from product to product. If your design requires a small OD/ID ratio, consider either a B-LOC B800 or a Trantorque OE. While all Fenner Drives Keyless Bushings are designed to transmit high torque loads, if you have an extremely demanding application, a double taper B-LOC B112, B113 or B115 may be required. If you are mounting plate sprockets or other thin components, B-LOC Compression Hubs could be the solution. Other factors to consider include axial movement, recessed installation, corrosion protection, and RoHS compliance. The table is designed to help make your selection process easier, but if you are ever in doubt, please contact a Fenner Drives Applications Engineer at AE@fennerdrives.com. We will be happy to guide you to the perfect keyless locking device solution.



Keyless Locking Devices

SURFACE FINISH

Recommended surface finish for shafts and hub bores to be used with Fenner Drives Keyless Bushings is between 32 and 125 micro-inch (0.8 and 3.2 micro-meter) RMS. A smoother finish — such as that found on components supplied TG&P (turned, ground and polished) — is NOT recommended and can result in a failure of the connection. Note that surface finishes below 32 micro-inch (0.8 micro-meter) RMS can be roughened using longitudinal abrasion with a bastard file, emery paper or similar to achieve a surface finish within the recommended range.

CONCENTRICITY

Fenner Drives Keyless Bushings are precision machined to maximize concentricity and minimize runout. The final installed concentricity of mounted components depends on several variables, including the components themselves and the installation technique employed. Special attention to proper installation will be required for B-LOC® B400 series units. Overall, however, concentricity is typically excellent for the majority of Fenner Drives Keyless Bushings.

POLYMERIC DRIVE COMPONENTS

Fenner Drives Keyless Locking Devices are only recommended for use with drive components constructed of polymers if a metal sleeve of sufficient size and strength is incorporated into the bore of the mounted component. For design and manufacturing support of a suitable sleeve consult with a Fenner Drives Applications Engineer.

TEMPERATURE INFLUENCE

Similar to conventional shrink or press fits, connections using Fenner Drives Keyless Bushings are generally not affected by temperature changes as long as the shaft, hub and bushing are made of the same material and temperatures are applied uniformly to each. For situations where one or more of the components are made of a material with a different coefficient of thermal expansion or where thermal gradients/cycles are present, fit pressures can be impacted. Please consult a Fenner Drives Applications Engineer.

MOUNTING BEARINGS WITH FENNER DRIVES KEYLESS BUSHINGS

Mounting bearings with a Fenner Drives Keyless Bushing is not recommended. The expansion forces generated will distort the bearing's inner race, causing premature failure.

INSTALLING MULTIPLE FENNER DRIVES KEYLESS BUSHINGS IN SERIES

Additional torque capacity can be achieved by arranging two or more B-LOC Keyless Bushings in series. In these situations, where access to locking screws is available from one side only, the total torque capacity of the connection is not a linear function of the number of units applied. For applications involving B-LOC Keyless Bushings in series, please consult with a Fenner Drives Applications Engineer.

ANAEROBIC ADHESIVES (THREADLOCKER)

Do not use anaerobic adhesives such as Loctite®, Permatex® or similar compounds with Fenner Drives Keyless Bushings. Doing so results in unknown contact pressures and capacities. Further, disassembly may be compromised when such compounds are applied to the keyless bushing, the shaft and/or the hub bore. Proper installation assures sufficient pre-load so that threads are self-locking, even in cases where the keyless bushing is subjected to extreme vibratory conditions.

HOLLOW SHAFTS

Hollow shafts with bores exceeding 35% of outside diameter usually require a reduction of contact pressures in order to avoid permanent shaft deformation. Special considerations arise when installing Fenner Drives Keyless Bushings onto hollow shafts. Please consult with a Fenner Drives Applications Engineer for a trouble free hollow shaft connection.

LUBRICANTS

Trantorque® and B-LOC Keyless Locking Devices are supplied with an oil specific to the product line. The listed performance data requires the use of these lubricants to provide the necessary coefficient of friction to the sliding surfaces. Some products have strategically applied grease or oil (in some cases food grade) to achieve performance.

MATERIALS

Trantorque and B-LOC Keyless Locking Devices are made from carbon and heat treated alloy steels. B-LOC Keyless Bushings are manufactured from heat treated carbon and alloy steels. For applications in corrosive environments, corrosion resistance can be improved through sealing with grease or silicone, the use of protective cover plates, application of industry standard plating materials (e.g., nickel, thin dense chrome, etc.) or by specifying the product in stainless steel or other corrosion resistant materials. Please consult with a Fenner Drives Applications Engineer for more details.

TORQUE

T = peak drive torque = nominal torque multiplied by a variable safety factor to account for stall or start-up conditions, mass accelerations, impact loads, etc. Nominal drive torque can be calculated as follows:

$$M_{t_{nom}} \text{ (ft lb)} = \frac{5252 \times \text{HP}}{\text{rpm}}$$

$$M_{t_{nom}} \text{ (Nm)} = \frac{9550 \times \text{kW}}{\text{rpm}}$$

Consult with a Fenner Drives Applications Engineer in cases where “ T ” is uncertain.

M_t = The rated torque capacity of one Fenner Drives Keyless Bushing installed according to our instructions. Published torque capacities are calculated without using a safety factor and should be considered as the point where a connection could slip if a higher torque is applied. Therefore, always select a unit where $M_t \geq T$.

MODIFIED INSTALLATION TORQUE

The installation torque shown in the data tables is the maximum installation torque recommended for the product. Torque capacity and contact pressures are a linear function of installation torque (M_a) and can be adjusted if necessary by changing M_a within the following limits:

Series	M_a
Trantorque	up to 50% lower
B-LOC B103/B106/B109	up to 20% lower
B-LOC B400	up to 20% higher or up to 20% lower
B-LOC B800	up to 20% lower
B-LOC B112/B113	up to 40% lower
B-LOC B115	up to 30% lower
B-LOC B117	up to 20% lower

THRUST

T_h = transmissible thrust, determined by using the following equation:

$$T_h = \frac{2 \times M_t}{d}$$

where: d = shaft diameter

M_t = rated torque capacity

TORQUE AND THRUST COMBINED

Simultaneous transmission of torque and thrust requires calculating a resultant torque:

$$M_{t_{res}} = \sqrt{T^2 + \left(\frac{F \times d}{2}\right)^2}$$

where: T = peak drive torque

F = peak thrust load

d = shaft diameter

Select a unit where $M_t \geq M_{t_{res}}$

BENDING MOMENTS

Bending moments are a crucial sizing factor in applications where a radial load from chain pull, the weight of components, etc. acts significantly outside the keyless bushing centerline. Typical applications include rolls or conveyor pulleys where shaft deflection due to radial loads results in a bending moment between shaft and end disc. Generally, bending moments change from a positive to a negative value during each rotation and are designated as rotating or reversing bending moments.

Fenner Drives Keyless Bushings are well suited to transmit rotating/reversing bending moments. Compiled using relevant data gleaned from numerous successful heavy-duty applications in conveyor pulleys as well as pertinent investigations by independent institutions, the following bending moment capacities apply:

Series	Bending Moment Capacity (M_b)
Trantorque	$0.28 \times M_t$
B-LOC B103/B106/B109	$0.28 \times M_t$
B-LOC B400	$0.22 \times M_t$
B-LOC B800	$0.28 \times M_t$
B-LOC B115	$0.32 \times M_t$
B-LOC B112/B113	$0.35 \times M_t$
B-LOC B117	$0.65 \times M_t$

where: M_t = rated torque capacity (from specification tables)

Consult with a Fenner Drives Applications Engineer on applications where the actual bending moment exceeds these recommended limits.

TORQUE AND BENDING COMBINED

Simultaneous transmission of torque and bending requires calculating a resultant torque:

$$M_{tb} = \sqrt{T^2 + (2 \times M_b)^2}$$

where: T = peak drive torque

M_b = bending moment

Always select a unit where $M_t \geq M_{tb}$ and M_b is within the limits appearing under Bending Moment Capacity above.

Keyless Locking Devices

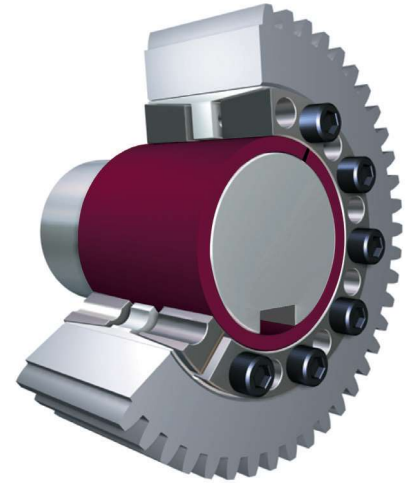
FENNER DRIVES® KEYLESS BUSHINGS WITH SHAFT ADAPTOR SLEEVES

When an existing shaft diameter does not fit the bore of a standard Fenner Drives Keyless Bushing, we recommend using an adapter sleeve that can be sized to allow for the use of a standard unit and the existing shaft. The maximum wall thickness of the adapter sleeve should be approximately 10% of the existing shaft diameter.

Note that in order to maximize the torque capacity of a sleeved keyless bushing connection, the shaft/sleeve bore interface must be free of any lubricant. This makes the sleeve outside diameter/ keyless bushing bore the point of lowest torque capacity (provided the sleeve outside diameter is less than 1.25 times the shaft diameter) and allows for full use of the larger keyless bushing's higher torque capacity.

Notes:

1. Sleeve ID = $d_s - 0/+0.001"$ (.025mm)
where d_s = shaft diameter
2. Sleeve OD = $d + 0/-T_L$ for keyless bushing to be used
3. Install dry (cleaned with non-petroleum-based solvent) at shaft/sleeve bore interface for coefficient of friction $\mu = 0.15$
4. Torque capacity at sleeve OD = M_t for keyless bushing to be used
5. Torque capacity on shaft = $M_t \times \frac{d_s}{d} \times 1.25$
6. Sleeve to be manufactured with one lengthwise slit (after machining) and from material equal to or better than shaft material
7. Sleeve can be installed over existing keyway; position slit approximately opposite keyway



RADIAL LOADS

Radial loads are generated when force is applied perpendicular to the centerline of the shaft and are frequently associated with pin or axle connections (see illustration below). Fenner Drives Keyless Bushings are well suited to provide tight, backlash-free connections for this type of application, as explained below.

$$F_{rad} = \text{radial load capacity} = d \times L \times P_s$$

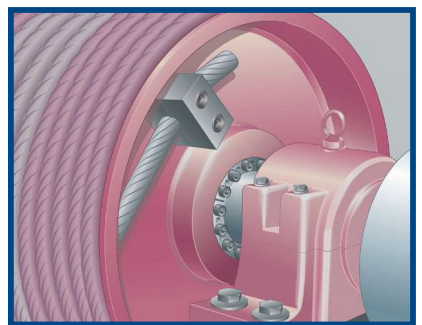
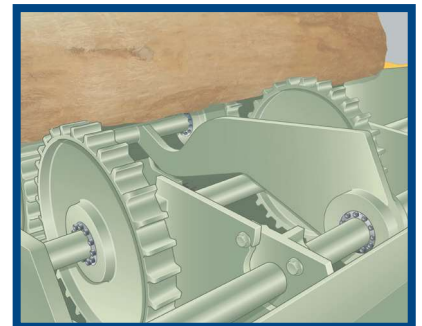
where: d = shaft diameter

D = hub bore

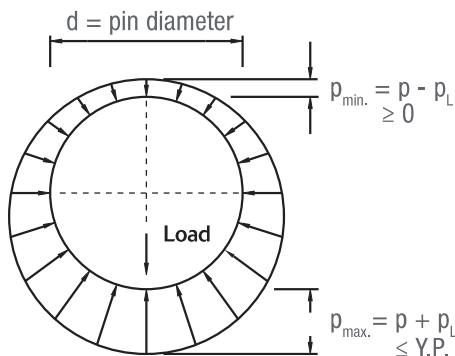
L = contact length

P_h = hub pressure

$$P_s = \text{shaft contact pressure} = P_h \times \frac{D}{d}$$



Typical pressure distribution in backlash-free pin connections



Explanations:

p = contact pressure provided by keyless bushing

p_L = contact pressure on projected contact area

$$= \frac{\text{load}}{d \times \text{contact length}}$$

Y.P. = yield point of pin material

HUB SIZING

Fenner Drives Keyless Bushings transmit torque and other loads by means of mechanical interference generated by pressure exerted on both the shaft and mounted component hub. Therefore, consideration must be given to the amount of hub material (wall thickness) required to prevent permanent expansion (i.e., yielding). The following information is provided to assist you in determining the required hub diameter D_N for any keyless bushing application.

Following standard industry practice, the criterion $\sigma_{ti} < S_y$ is used to determine D_N as follows:

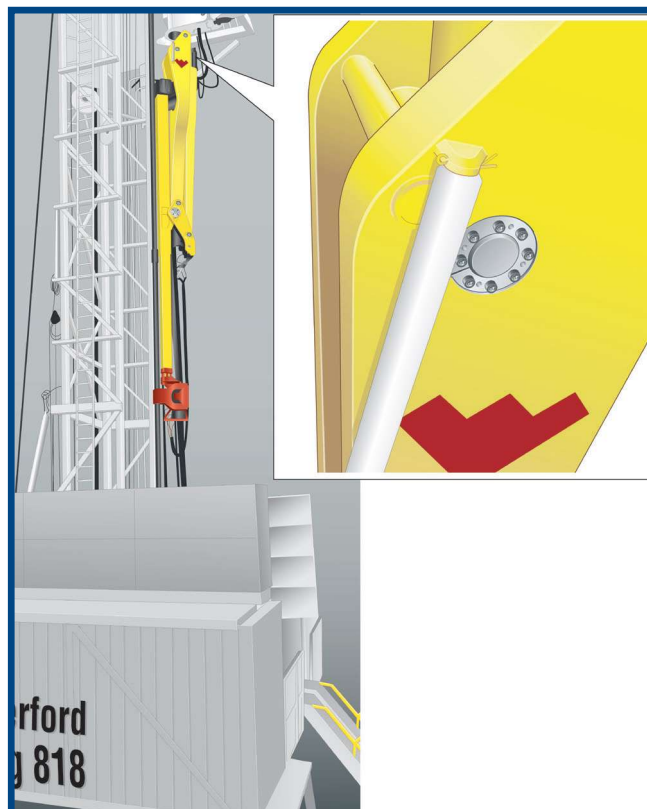
$$D_N = D \sqrt{\frac{S_y + (P_h \times C)}{S_y - (P_h \times C)}}$$

where: D = hub bore diameter (from product specifications)

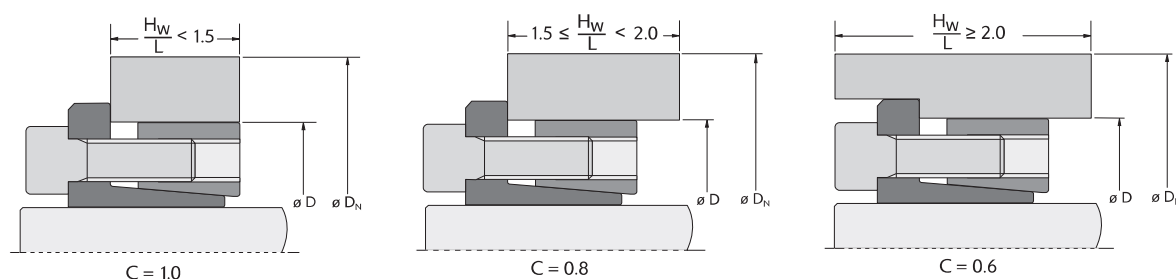
P_h = contact pressure applied to hub bore
(from product specifications)

S_y = yield strength of hub material and

C = Stress Reduction Factor which assumes the value of 1.0, 0.8 or 0.6 depending upon the relationship of your actual hub width H_w to the contact length L of the keyless bushing selected. Use the illustrations on the right to determine C for your application.



Trantorque®, B-LOC® B109, B103, B106, B117, B400 & B800



B-LOC® B112, B113, & B115

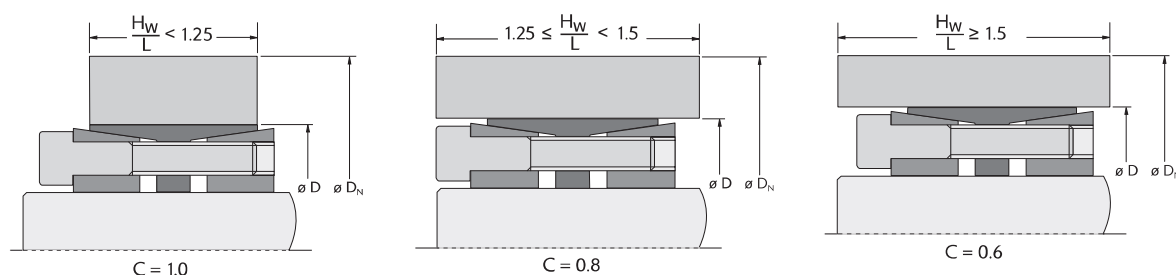
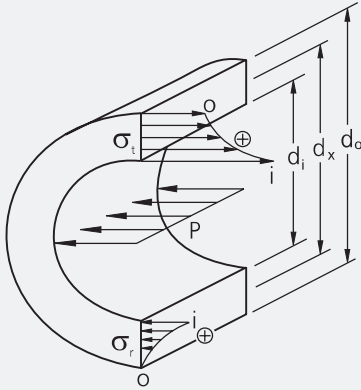


Table 1

Note: Keyless Locking Device outer ring axial position must be roughly centered in the hub.

Keyless Locking Devices

THICK WALLED CYLINDER SUBJECTED TO INTERNAL PRESSURE



TANGENTIAL STRESSES "st"

$$\sigma_{tx} = P \frac{Q}{1-Q} \left[1 + \frac{d_o^2}{d_x^2} \right]$$

$$\sigma_{ti} = P \frac{1+Q}{1-Q}$$

$$\sigma_{to} = 2P \frac{Q}{1-Q}$$

RADIAL STRESSES "sr"

$$\sigma_{rx} = P \frac{Q}{1-Q} \left[1 - \frac{d_o^2}{d_x^2} \right]$$

$$\sigma_{ri} = -P$$

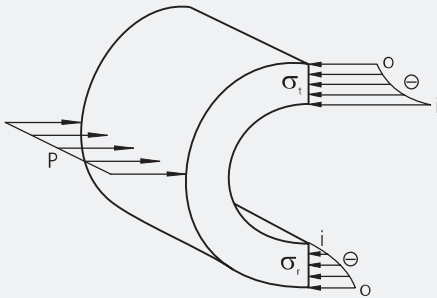
$$\sigma_{ro} = 0$$

EXPANSION/CONTRACTION

$$\Delta d_i = \frac{Pd_i}{E} \left[\frac{(1+Q)}{(1-Q)} + \nu \right]$$

$$\Delta d_o = 2P \frac{d_o Q}{E(1-Q)}$$

THICK WALLED CYLINDER SUBJECTED TO EXTERNAL PRESSURE



TANGENTIAL STRESSES "st"

$$\sigma_{tx} = -\frac{P}{1-Q} \left[1 + \frac{d_i^2}{d_x^2} \right]$$

$$\sigma_{ti} = -\frac{2P}{1-Q}$$

$$\sigma_{to} = -P \frac{1+Q}{1-Q}$$

RADIAL STRESSES "sr"

$$\sigma_{rx} = -\frac{P}{1-Q} \left[1 - \frac{d_i^2}{d_x^2} \right]$$

$$\sigma_{ri} = 0$$

$$\sigma_{ro} = -P$$

EXPANSION/CONTRACTION

$$\Delta d_i = 2P \frac{d_i}{E(1-Q)}$$

$$\Delta d_o = \frac{Pd_o}{E} \left[\frac{(1+Q)}{(1-Q)} - \nu \right]$$

$$\tau = T \left(\frac{12}{2\pi \left(\frac{d_o^4 - d_i^4}{32xd_o} \right)} \right)$$

COMBINED HUB STRESSES

$$\sigma_v = \sqrt{\sigma_t^2 + \sigma_r^2 - (\sigma_t \sigma_r) + 3\tau^2}$$

KEY i = inside of cylinder
o = outside of cylinder

ν = Poisson's ratio for steel: 0.29
 E = modulus of elasticity for steel: 3.0×10^7 psi (2.07×10^5 N/mm²)

P = pressure
 τ = torsional hub stress
 T = Applied Torque

$$Q = \left(\frac{d_i}{d_o} \right)^2$$

Example for calculating minimum hub diameter:

Trantorque OE 1", assuming a 2" wide hub made of 55,000 psi yield strength material.

Locate part number 6410100 on page 18.

Record the values for outside diameter D, contact length L, and hub pressure P_h and return to this page.

$$D = 1\frac{1}{2}"$$

$$L = 1"$$

$$P_h = 19,639 \text{ psi}$$

Determine the Stress Reduction Factor C, by first calculating the ratio of hub width to contact length (H_w/L). Next, locate the appropriate product line in Table 1 on previous page to determine C.

NOTE: Contact Fenner Drives Applications Engineering if $\frac{H_w}{L} < 1$

$$\frac{H_w}{L} = 2 \rightarrow C = 0.6$$

The last item required is the yield strength of your mounted component, S_y . This value should be obtainable from the manufacturer of the mounted component or raw material supplier. For this example, the yield strength is 55,000 psi.

Substitute the values obtained above into the minimum hub diameter equation, D_N to obtain your result.

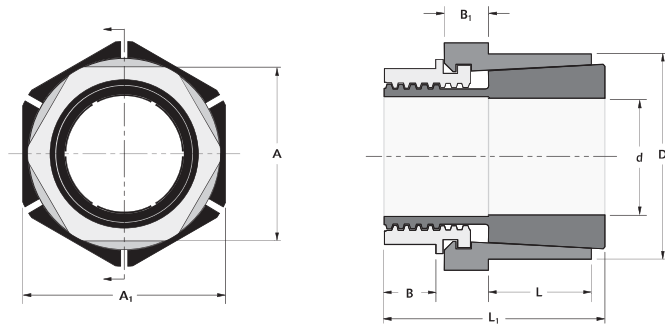
$$D_N = 1.5 \sqrt{\frac{55,000 + (19,639 \times 0.6)}{55,000 - (19,639 \times 0.6)}} = 1.865"$$

Worksheet for calculating minimum hub diameter:

Above Example		Your Example	
Series	Trantorque OE		
Part Number	6410400		
Size	1"		
Outside diameter, D	1.5		
Contact Length, L	1		
Hub Pressure, P_h	19,639		
Hub Size, H_w	2"		
Yield Strength, S_y	55,000 psi		
$\frac{H_w}{L} = \frac{2}{1} = 2 \rightarrow C = 0.6$ C is obtained from Table 1 on previous page for Trantorque where $\frac{H_w}{L} \geq 2$		$\frac{H_w}{L} = \frac{\quad}{\quad} = \quad \rightarrow C = \quad$	
$D_N = D \sqrt{\frac{S_y + (P_h \times C)}{S_y - (P_h \times C)}}$ $= 1.5 \sqrt{\frac{55,000 + (19,639 \times 0.6)}{55,000 - (19,639 \times 0.6)}} = 1.865"$		$D_N = D \sqrt{\frac{S_y + (P_h \times C)}{S_y - (P_h \times C)}}$ $= \quad \sqrt{\frac{\quad + (\quad \times \quad)}{\quad - (\quad \times \quad)}} = \quad$	

Power Transmission - Trantorque®

Trantorque®
GT
Inch

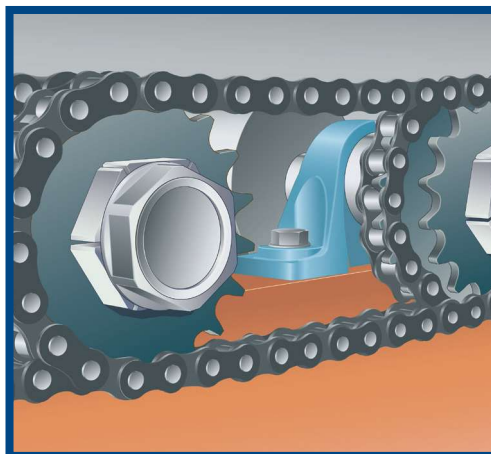


TOLERANCE (T_L)

T_L for shaft and bore is ± .003"
for all sizes

Trantorque GT – Inch

Part Number				d (inch)	D (inch)	L (inch)	L ₁ (inch)	Wrench Size		B (inch)	B ₁ (inch)	M _a Install Torque (ft lb)	Shipping Weight (lb)
Steel	Electroless Nickel Plated Steel	Thin Dense Chrome Coated Steel	Stainless Steel					A (inch)	A ₁ (inch)				
6202120UP	6202120EN	6202120DC	6990120	5/8	1 1/2	3/4	1 1/2	1 1/4	1 1/2	5/16	5/16	100	0.5
6202140UP	6202140EN	6202140DC	6990140	11/16	1 1/2	3/4	1 1/2	1 1/4	1 1/2	5/16	5/16	100	0.5
6202160UP	6202160EN	6202160DC	6990160	3/4	1 1/2	3/4	1 1/2	1 1/4	1 1/2	5/16	5/16	100	0.5
6202190UP	6202190EN	6202190DC	6990190	13/16	1 3/4	7/8	1 7/8	1 1/2	1 3/4	7/16	3/8	125	0.7
6202200UP	6202200EN	6202200DC	6990200	7/8	1 3/4	7/8	1 7/8	1 1/2	1 3/4	7/16	3/8	125	0.7
6202220UP	6202220EN	6202220DC	6990220	15/16	1 3/4	7/8	1 7/8	1 1/2	1 3/4	7/16	3/8	125	0.7
6202240UP	6202240EN	6202240DC	6990240	1	1 3/4	7/8	1 7/8	1 1/2	1 3/4	7/16	3/8	125	0.7
6202270UP	6202270EN	6202270DC	6990270	1 1/16	2	1	2 1/4	1 3/4	2	1/2	9/16	167	1.1
6202280UP	6202280EN	6202280DC	6990280	1 1/8	2	1	2 1/4	1 3/4	2	1/2	9/16	167	1.1
6202300UP	6202300EN	6202300DC	6990300	1 3/16	2	1	2 1/4	1 3/4	2	1/2	9/16	167	1.1
6202320UP	6202320EN	6202320DC	6990320	1 1/4	2	1	2 1/4	1 3/4	2	1/2	9/16	167	1.1
6202350UP	6202350EN	6202350DC	6990350	1 5/16	2 3/8	1 1/2	2 3/4	2	2 3/8	9/16	1/2	192	1.1
6202360UP	6202360EN	6202360DC	6990360	1 3/8	2 3/8	1 1/2	2 3/4	2	2 3/8	9/16	1/2	192	1.9
6202380UP	6202380EN	6202380DC	6990380	1 7/16	2 3/8	1 1/2	2 3/4	2	2 3/8	9/16	1/2	192	1.8
6202400UP	6202400EN	6202400DC	6990400	1 1/2	2 3/8	1 1/2	2 3/4	2	2 3/8	9/16	1/2	192	1.8
6202430UP	6202430EN	6202430DC	6990430	1 9/16	2 5/8	1 11/16	3 1/8	2 1/4	2 5/8	9/16	11/16	234	2.5
6202440UP	6202440EN	6202440DC	6990440	1 5/8	2 5/8	1 11/16	3 1/8	2 1/4	2 5/8	9/16	11/16	234	2.4
6202460UP	6202460EN	6202460DC	6990460	1 11/16	2 5/8	1 11/16	3 1/8	2 1/4	2 5/8	9/16	11/16	234	2.4
6202480UP	6202480EN	6202480DC	6990480	1 3/4	2 5/8	1 11/16	3 1/8	2 1/4	2 5/8	9/16	11/16	234	2.3
6202510UP	6202510EN	6202510DC	6990510	1 13/16	2 7/8	2	3 9/16	2 1/2	2 7/8	5/8	3/4	409	3.5
6202520UP	6202520EN	6202520DC	6990520	1 7/8	2 7/8	2	3 9/16	2 1/2	2 7/8	5/8	3/4	409	3.4
6202540UP	6202540EN	6202540DC	6990540	1 15/16	2 7/8	2	3 9/16	2 1/2	2 7/8	5/8	3/4	409	3.3
6202560UP	6202560EN	6202560DC	6990560	2	2 7/8	2	3 9/16	2 1/2	2 7/8	5/8	3/4	409	3.2
6202562UP	6202562EN	6202562DC	6990562	2 1/16	3 1/8	2 1/8	3 3/4	2 3/4	3 1/8	5/8	13/16	442	3.8
6202564UP	6202564EN	6202564DC	6990564	2 1/8	3 1/8	2 1/8	3 3/4	2 3/4	3 1/8	5/8	13/16	442	4
6202566UP	6202566EN	6202566DC	6990566	2 3/16	3 1/8	2 1/8	3 3/4	2 3/4	3 1/8	5/8	13/16	442	3.8
6202568UP	6202568EN	6202568DC	6990568	2 1/4	3 1/8	2 1/8	3 3/4	2 3/4	3 1/8	5/8	13/16	442	3.7
6202570UP	6202570EN	6202570DC	6990570	2 5/16	3 3/8	2 1/4	3 7/8	3	3 3/8	11/16	3/4	467	4.4
6202572UP	6202572EN	6202572DC	6990572	2 3/8	3 3/8	2 1/4	3 7/8	3	3 3/8	11/16	3/4	467	4.5
6202574UP	6202574EN	6202574DC	6990574	2 7/16	3 3/8	2 1/4	3 7/8	3	3 3/8	11/16	3/4	467	4.4
6202576UP	6202576EN	6202576DC	6990576	2 1/2	3 3/8	2 1/4	3 7/8	3	3 3/8	11/16	3/4	467	4.2
6202580UP	6202580EN	6202580DC	6990580	2 9/16	3 5/8	2 3/8	4 1/16	3 1/4	3 5/8	11/16	13/16	500	5
6202582UP	6202582EN	6202582DC	6990582	2 5/8	3 5/8	2 3/8	4 1/16	3 1/4	3 5/8	11/16	13/16	500	5.1
6202584UP	6202584EN	6202584DC	6990584	2 11/16	3 5/8	2 3/8	4 1/16	3 1/4	3 5/8	11/16	13/16	500	5
6202586UP	6202586EN	6202586DC	6990586	2 3/4	3 5/8	2 3/8	4 1/16	3 1/4	3 5/8	11/16	13/16	500	5
6202590UP	6202590EN	6202590DC	6990590	2 13/16	3 7/8	2 1/2	4 1/4	3 1/2	3 7/8	3/4	13/16	550	6
6202592UP	6202592EN	6202592DC	6990592	2 7/8	3 7/8	2 1/2	4 1/4	3 1/2	3 7/8	3/4	13/16	550	6
6202594UP	6202594EN	6202594DC	6990594	2 15/16	3 7/8	2 1/2	4 1/4	3 1/2	3 7/8	3/4	13/16	550	6
6202596UP	6202596EN	6202596DC	6990596	3	3 7/8	2 1/2	4 1/4	3 1/2	3 7/8	3/4	13/16	550	5



Performance Data Table

d (inch)	M _t	Th	P _h
	Maximum Transmitted		Hub Pressure (psi)
	Torque (ft lb)	Thrust (lbs)	
5/8	164	6282	14316
11/16	180	6282	14316
3/4	196	6282	14316
13/16	222	6554	10015
7/8	239	6554	10015
15/16	256	6554	10015
1	273	6554	10015
1 1/16	333	7524	8917
1 1/8	353	7524	8917
1 3/16	372	7524	8917
1 1/4	392	7524	8917
1 5/16	412	7529	5194
1 3/8	431	7529	5194
1 7/16	452	7529	5194
1 1/2	471	7529	5194
1 9/16	535	8219	4599
1 5/8	557	8219	4599
1 11/16	578	8219	4599
1 3/4	599	8219	4599
1 13/16	979	12963	5639
1 7/8	1013	12963	5639
1 15/16	1047	12963	5639
2	1080	12963	5639
2 1/16	1087	12650	4781
2 1/8	1120	12650	4781
2 3/16	1153	12650	4781
2 1/4	1186	12650	4781
2 5/16	1181	12260	4064
2 3/8	1213	12260	4064
2 7/16	1245	12260	4064
2 1/2	1277	12260	4064
2 9/16	1295	12127	3554
2 5/8	1326	12127	3554
2 11/16	1358	12127	3554
2 3/4	1390	12127	3554
2 13/16	1452	12394	3233
2 7/8	1485	12394	3233
2 15/16	1517	12394	3233
3	1549	12394	3233

MULTIPLIERS

Steel	1.0
Electroless Nickel Plated Steel	0.6
Thin Dense Chrome Coated Steel	1.1
Stainless Steel	0.3

The data in the Performance Data Table is for a steel unit. To obtain data for other materials, use the multiplier provided.

For example, you require a 2" (d) Electroless Nickel Plated Trantorque GT.

Find 2" (d) in Performance Data Table and use the multiplier of 0.6 for Electroless Nickel Plated Steel.

$$M_t : 1080 \times 0.6 = 648$$

$$T_h : 12963 \times 0.6 = 7778$$

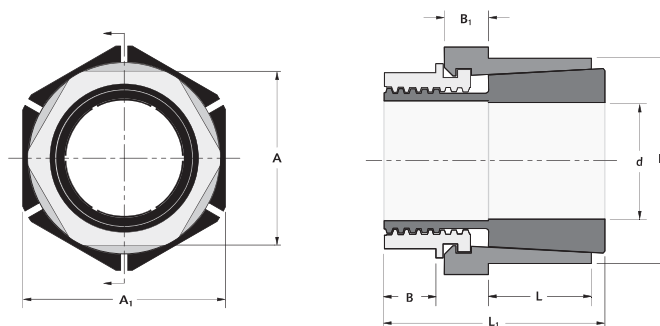
$$*P_h : 5639 \times 0.6 = 3383$$

*IMPORTANT:

After hub pressure (P_h) is determined, record D, L and P_h and refer to page 9 and 10 to calculate the minimum hub diameter.

Power Transmission - Trantorque®

Trantorque®
GT
Metric

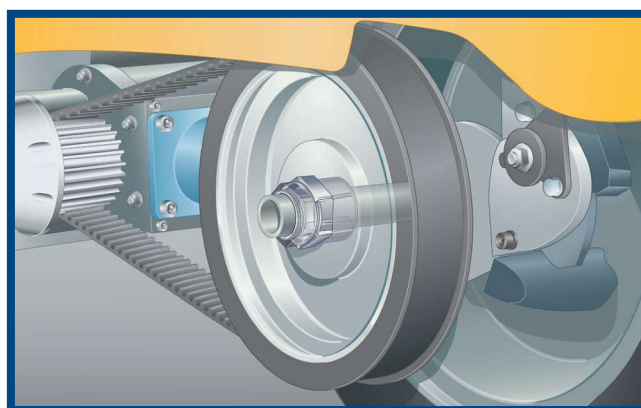


TOLERANCE (T_L)

T_L for shaft and bore is $\pm .08\text{mm}$
for all sizes

Trantorque GT – Metric

Part Number				d (mm)	D (mm)	L (mm)	L1 (mm)	Wrench Size		B (mm)	B1 (mm)	Ma Install Torque (Nm)	Shipping Weight (kg)
Steel	Electroless Nickel Plated Steel	Thin Dense Chrome Coated Steel	Stainless Steel					A (mm)	A1 (inch)				
6202800UP	6202800EN	6202800DC	6990800	15	38.0	19.1	38.1	32	1 1/2	8.0	8.9	136	0.2
6202803UP	6202803EN	6202803DC	6990803	16	38.0	19.1	38.1	32	1 1/2	8.0	8.9	136	0.2
6202804UP	6202804EN	6202804DC	6990804	17	38.0	19.1	38.1	32	1 1/2	8.0	8.9	136	0.2
6202805UP	6202805EN	6202805DC	6990805	18	38.0	19.1	38.1	32	1 1/2	8.0	8.9	136	0.2
6202808UP	6202808EN	6202808DC	6990808	19	38.0	19.1	38.1	32	1 1/2	8.0	8.9	136	0.2
6202811UP	6202811EN	6202811DC	6990811	20	45.0	22.2	47.6	38	1 3/4	11.1	9.5	170	0.4
6202815UP	6202815EN	6202815DC	6990815	22	45.0	22.2	47.6	38	1 3/4	11.1	9.5	170	0.4
6202820UP	6202820EN	6202820DC	6990820	24	45.0	22.2	47.6	38	1 3/4	11.1	9.5	170	0.3
6202825UP	6202825EN	6202825DC	6990825	25	45.0	22.2	47.6	38	1 3/4	11.1	9.5	170	0.3
6202830UP	6202830EN	6202830DC	6990830	28	51.0	25.4	57.2	46	2	12.7	14.3	225	0.5
6202835UP	6202835EN	6202835DC	6990835	30	51.0	25.4	57.2	46	2	12.7	14.3	225	0.5
6202840UP	6202840EN	6202840DC	6990840	32	51.0	25.4	57.2	46	2	12.7	14.3	225	0.5
6202845UP	6202845EN	6202845DC	6990845	34	60.5	38.1	69.9	50	2 3/8	14.3	12.7	260	0.9
6202850UP	6202850EN	6202850DC	6990850	35	60.5	38.1	69.9	50	2 3/8	14.3	12.7	260	0.9
6202855UP	6202855EN	6202855DC	6990855	36	60.5	38.1	69.9	50	2 3/8	14.3	12.7	260	0.9
6202860UP	6202860EN	6202860DC	6990860	38	60.5	38.1	69.9	50	2 3/8	14.3	12.7	260	0.8
6202865UP	6202865EN	6202865DC	6990865	40	67.0	42.9	79.4	60	2 5/8	14.3	17.4	316	1.2
6202870UP	6202870EN	6202870DC	6990870	42	67.0	42.9	79.4	60	2 5/8	14.3	17.4	316	1.1
6202876UP	6202876EN	6202876DC	6990876	45	73.0	50.8	90.5	65	2 7/8	15.9	19.1	554	1.6
6202880UP	6202880EN	6202880DC	6990880	48	73.0	50.8	90.5	65	2 7/8	15.9	19.1	554	1.6
6202885UP	6202885EN	6202885DC	6990885	50	73.0	50.8	90.5	65	2 7/8	15.9	19.1	554	1.5
6202900UP	6202900EN	6202900DC	6990900	55	80.0	54.0	95.3	70	3 1/8	15.9	20.7	600	1.8
6202910UP	6202910EN	6202910DC	6990910	60	86.0	57.2	98.4	75	3 3/8	17.5	19.1	635	2
6202920UP	6202920EN	6202920DC	6990920	65	92.0	60.3	103.2	82	3 5/8	17.5	20.7	680	2
6202930UP	6202930EN	6202930DC	6990930	70	92.0	60.3	103.2	82	3 5/8	17.5	20.7	680	2
6202940UP	6202940EN	6202940DC	6990940	75	100.0	63.5	108.0	90	3 7/8	19.1	20.7	750	3


Performance Data Table

d (mm)	M _t	T _h	P _h *
	Maximum Transmitted		Hub Pressure (N/mm ²)
	Torque (Nm)	Thrust (kN)	
15	210	28	99
16	224	28	99
17	238	28	99
18	252	28	99
19	266	28	99
20	292	29	68
22	322	29	68
24	351	29	68
25	366	29	68
28	466	33	61
30	499	33	61
32	532	33	61
34	569	33	36
35	585	33	36
36	602	33	36
38	636	33	36
40	728	36	31
42	765	36	31
45	1296	58	39
48	1383	58	39
50	1440	58	39
55	1549	56	33
60	1641	55	28
65	1759	54	25
70	1894	54	25
75	2079	55	22

MULTIPLIERS

Steel 1.0

 Electroless Nickel
Plated Steel 0.6

 Thin Dense Chrome
Coated Steel 1.1

 Stainless
Steel 0.3

The data in the Performance Data Table is for a steel unit. To obtain data for other materials, use the multiplier provided.

For example, you require a 30mm (d) Electroless Nickel Plated Trantorque GT.

Find 30mm (d) in Performance Data Table and use the multiplier of 0.6 for Electroless Nickel Plated Steel.

$$M_t : 499 \times 0.6 = 266$$

$$T_h : 33 \times 0.6 = 20$$

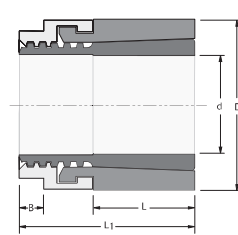
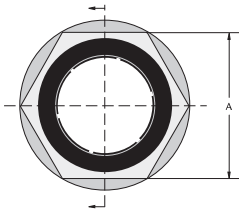
$$*P_h : 61 \times 0.6 = 37$$

***IMPORTANT:**

After hub pressure (P_h) is determined, record D, L and P_h and refer to page 9 and 10 to calculate the minimum hub diameter.

Power Transmission - Trantorque®

Trantorque® Mini Inch and Metric



TOLERANCE (T_L)

T_L for shaft and bore is ± .0015"
(.04mm) for all sizes

Trantorque Mini – Inch

Part Number				d (inch)	D (inch)	L (inch)	L ₁ (inch)	Wrench Size	B (inch)	M _a †	Shipping Weight (lb)
Steel	Electroless Nickel Plated Steel	Thin Dense Chrome Coated Steel	Stainless Steel					A (inch)		Install Torque (in lb)	
6410013	6202102EN	6410013DC	6990102	1/8	5/8	3/8	3/4	1/2	1/8	125	0.1
6410019	6202103EN	6410019DC	6990103	3/16	5/8	3/8	3/4	1/2	1/8	125	0.1
6410025	6202105EN	6410025DC	6990105	1/4	5/8	3/8	3/4	1/2	1/8	125	0.1
6410031	6202107EN	6410031DC	6990107	5/16	3/4	7/16	7/8	5/8	1/8	250	0.1
6410038	6202109EN	6410038DC	6990109	3/8	3/4	7/16	7/8	5/8	1/8	250	0.1
6410044	6202110EN	6410044DC	6990110	7/16	7/8	1/2	1	3/4	3/16	390	0.1
6410050	6202112EN	6410050DC	6990112	1/2	7/8	1/2	1	3/4	3/16	390	0.1
6410056	6202114EN	6410056DC	6990114	9/16	1	5/8	1 1/8	7/8	3/16	585	0.1
6410063	6202115EN	6410063DC	6990115	5/8	1	5/8	1 1/8	7/8	3/16	585	0.1

Trantorque Mini – Metric

Part Number				d (mm)	D (mm)	L (mm)	L ₁ (mm)	Wrench Size	B (mm)	M _a †	Shipping Weight (kg)
Steel	Electroless Nickel Plated Steel	Thin Dense Chrome Coated Steel	Stainless Steel					A (mm)		Install Torque (Nm)	
TTQM0316	TTQM0316EN	TTQM0316DC	TTQM0316SS	3	16	10	19	13	3	14	0.02
TTQM0416	TTQM0416EN	TTQM0416DC	TTQM0416SS	4	16	10	19	13	3	14	0.02
TTQM0516	TTQM0516EN	TTQM0516DC	TTQM0516SS	5	16	10	19	13	3	14	0.02
TTQM0616	TTQM0616EN	TTQM0616DC	TTQM0616SS	6	16	10	19	13	3	14	0.02
TTQM0720	TTQM0720EN	TTQM0720DC	TTQM0720SS	7	20	11	22	16	3	28	0.03
TTQM0820	TTQM0820EN	TTQM0820DC	TTQM0820SS	8	20	11	22	16	3	28	0.03
TTQM0920	TTQM0920EN	TTQM0920DC	TTQM0920SS	9	20	11	22	16	3	28	0.03
TTQM1023	TTQM1023EN	TTQM1023DC	TTQM1023SS	10	23	13	26	19	5	44	0.05
TTQM1123	TTQM1123EN	TTQM1123DC	TTQM1123SS	11	23	13	26	19	5	44	0.05
TTQM1223	TTQM1223EN	TTQM1223DC	TTQM1223SS	12	23	13	26	19	5	44	0.05
TTQM1426	TTQM1426EN	TTQM1426DC	TTQM1426SS	14	26	16	29	22	5	66	0.06
TTQM1526	TTQM1526EN	TTQM1526DC	TTQM1526SS	15	26	16	29	22	5	66	0.06
TTQM1626	TTQM1626EN	TTQM1626DC	TTQM1626SS	16	26	16	29	22	5	66	0.06

Performance Data Tables

d (inch)	M _t †	Th	P _h *
	Maximum Transmitted		Hub Pressure (psi)
	Torque (in lb)	Thrust (lbs)	
1/8	100	1608	18193
3/16	151	1608	18193
1/4	201	1608	18193
5/16	404	2584	20890
3/8	485	2584	20890
7/16	737	3368	20421
1/2	842	3368	20421
9/16	1223	4349	18459
5/8	1359	4349	18459

d (mm)	M _t †	Th	P _h *
	Maximum Transmitted		Hub Pressure (N/mm ²)
	Torque (Nm)	Thrust (kN)	
3	11	7	123
4	14	7	123
5	18	7	123
6	21	7	123
7	40	11	136
8	46	11	136
9	51	11	136
10	75	15	136
11	82	15	136
12	90	15	136
14	135	19	124
15	145	19	124
16	155	19	124

MULTIPLIERS

Steel	1.0
Electroless Nickel Plated Steel	0.8
Thin Dense Chrome Coated Steel	1.0
Stainless Steel	0.35

(continued on page 17)

Trantorque Mini Performance Data (continued from page 16)

The data in the Performance Data Table is for a steel unit. To obtain data for other materials, use the multiplier provided.

For example, you require a 1/4" (d) Electroless Nickel Plated Trantorque Mini.

Find 1/4" (d) in Performance Data Table and use the multiplier of 0.8 for Electroless Nickel Plated Steel.

$$M_t : 201 \times 0.8 = 161$$

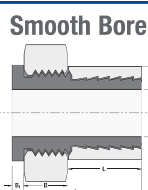
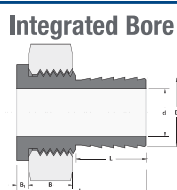
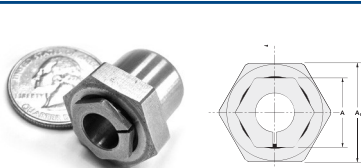
$$T_h : 1608 \times 0.8 = 1286$$

$$*P_h : 18193 \times 0.8 = 14554$$

*IMPORTANT:

After hub pressure (P_h) is determined, record D, L and Ph and refer to page 9 and 10 to calculate the minimum hub diameter.

† When installing Trantorque Mini with an open-ended wrench, a reduction in installation torque by 50% is recommended. This will result in a Transmitted Torque (M_t) reduced by 50%.



TOLERANCE (T_L)

T_L for shaft and bore is $\pm .0015"$ (.04mm) for all sizes

Trantorque®
Micro
Inch and Metric

Trantorque Micro – Inch

Size	d	Integrated Bore	Smooth Bore	L	L1	Wrench Size		B	B1	Ma	Shipping Weight	Mt	Thrust	Smooth Bore		A	A1
		Di	Ds			A	A1			Install Torque		Maximum Transmitted	Hub Pressure				
(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in-lb)	(lb)	(in-lb)	(lb)	(psi)					
1/8	0.125	0.369	0.563	0.38	0.67	7/16	11/16	0.06	0.22	125	0.050	46	738	9275		0.4375	0.6875
3/16	0.188	0.369	0.613	0.38	0.67	7/16	11/16	0.06	0.22	150	0.052	83	885	10221		0.4375	0.6875
1/4	0.250	0.369	0.613	0.38	0.67	7/16	11/16	0.06	0.22	150	0.048	111	885	10221		0.4375	0.6875
5/16	0.313	0.431	0.625	0.44	0.76	1/2	3/4	0.06	0.25	150	0.057	120	771	7478		0.5	0.75
3/8	0.375	0.550	0.750	0.44	0.83	5/8	15/16	0.06	0.31	150	0.099	116	620	5008		0.625	0.9375
7/16	0.438	0.550	0.750	0.50	0.92	5/8	15/16	0.09	0.31	150	0.096	136	620	4387		0.625	0.9375
1/2	0.500	0.666	0.875	0.63	1.11	3/4	1 1/8	0.09	0.38	225	0.167	194	777	3767		0.75	1.125
9/16	0.563	0.666	0.875	0.75	1.25	3/4	1 1/8	0.11	0.38	225	0.164	218	777	3139		0.75	1.125
5/8	0.625	0.791	1.000	0.94	1.52	7/8	1 5/16	0.13	0.44	300	0.276	280	895	2533		0.875	1.3125

Trantorque Micro – Metric

16Size	d	Integrated Bore	Smooth Bore	L	L1	Wrench Size		B	B1	Ma	Shipping Weight	Mt	Thrust	Smooth Bore		A	A1
		Di	Ds			Install Torque	Maximum Transmitted			Hub Pressure							
							Torque					Thrust					
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Nm)	(kg)	(Nm)	(kN)	(N/mm^2)			
3	3	9.37	14.29	9.5	17.0	12.0	17.0	1.5	5.6	14	0.023	5	3.3	64		0.4375	0.6875
4	4	9.37	14.29	9.5	17.0	12.0	17.0	1.5	5.6	17	0.022	8	3.9	77		0.4375	0.6875
5	5	9.37	15.56	9.5	17.0	12.0	17.0	1.5	5.6	17	0.023	10	3.9	70		0.4375	0.6875
6	6	9.37	15.56	9.5	17.0	12.0	17.0	1.5	5.6	17	0.022	12	3.9	70		0.4375	0.6875
7	7	10.95	15.56	9.5	17.8	13.0	19.0	1.5	6.4	17	0.025	12	3.4	61		0.5	0.75
8	8	10.95	15.88	11.1	19.4	13.0	19.0	1.5	6.4	17	0.026	14	3.4	52		0.5	0.75
9	9	13.97	19.05	11.1	21.0	16.0	23.0	1.5	7.9	17	0.046	12	2.8	35		0.625	0.9375
10	10	13.97	19.05	12.7	23.4	16.0	23.0	2.4	7.9	17	0.047	14	2.8	30		0.625	0.9375
11	11	13.97	19.05	12.7	23.4	16.0	23.0	2.4	7.9	17	0.044	15	2.8	30		0.625	0.9375
12	12	13.97	19.05	12.7	23.4	16.0	23.0	2.4	7.9	17	0.041	17	3.6	40		0.625	0.9375
13	13	16.92	22.23	15.9	28.2	20.0	28.0	2.4	9.5	25	0.074	22	3.5	26		0.75	1.125
14	14	16.92	22.23	19.1	31.8	20.0	28.0	2.8	9.5	25	0.076	24	3.5	22		0.75	1.125
15	15	16.92	22.23	19.1	31.8	20.0	28.0	2.8	9.5	25	0.071	26	3.5	22		0.75	1.125
16	16	20.09	25.40	23.8	38.5	23.0	33.0	3.2	11.1	34	0.124	32	4.0	17		0.875	1.3125

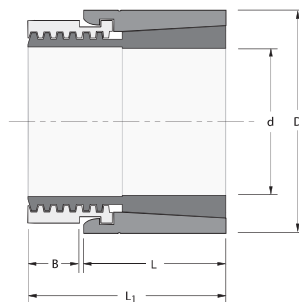
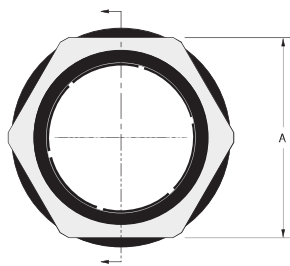
*All Trantorque Micro orders are subject to a 25 piece minimum.

Power Transmission - Trantorque®

Trantorque®

OE

Inch



TOLERANCE (T_L)

T_L for shaft and bore is $\pm .003$ "
for all sizes

Trantorque OE – Inch

Part Number				d (inch)	D (inch)	L (inch)	L ₁ (inch)	Wrench Size	B (inch)	M _a †	Shipping Weight (lb)
Steel	Electroless Nickel Plated Steel	Thin Dense Chrome Coated Steel	Stainless Steel					A (inch)		Install Torque (ft lb)	
6410069	6410069EN	6410069DC	6410069SS	11/16	1 1/4	7/8	1 5/32	1 1/8	1/4	82	0.2
6410075	6410075EN	6410075DC	6410075SS	3/4	1 1/4	7/8	1 5/32	1 1/8	1/4	82	0.2
6410081	6410081EN	6410081DC	6410081SS	13/16	1 3/8	15/16	1 1/4	1 1/4	1/4	111	0.2
6410088	6410088EN	6410088DC	6410088SS	7/8	1 3/8	15/16	1 1/4	1 1/4	1/4	111	0.2
6410094	6410094EN	6410094DC	6410094SS	15/16	1 1/2	1	1 11/32	1 3/8	5/16	137	0.4
6410100	6410100EN	6410100DC	6410100SS	1	1 1/2	1	1 11/32	1 3/8	5/16	137	0.3
6410106	6410106EN	6410106DC	6410106SS	1 1/16	1 5/8	1 1/16	1 15/32	1 1/2	3/8	155	0.4
6410113	6410113EN	6410113DC	6410113SS	1 1/8	1 5/8	1 1/16	1 15/32	1 1/2	3/8	155	0.4
6410119	6410119EN	6410119DC	6410119SS	1 3/16	1 3/4	1 1/8	1 19/32	1 5/8	7/16	177	0.5
6410125	6410125EN	6410125DC	6410125SS	1 1/4	1 3/4	1 1/8	1 19/32	1 5/8	7/16	177	0.5
6410131	6410131EN	6410131DC	6410131SS	1 5/16	1 7/8	1 3/16	1 11/16	1 3/4	1/2	196	0.6
6410138	6410138EN	6410138DC	6410138SS	1 3/8	1 7/8	1 3/16	1 11/16	1 3/4	1/2	196	0.6
6410144	6410144EN	6410144DC	6410144SS	1 7/16	2	1 1/4	1 25/32	1 7/8	1/2	196	0.7
6410150	6410150EN	6410150DC	6410150SS	1 1/2	2	1 1/4	1 25/32	1 7/8	1/2	196	0.6

Performance Data Table

d (inch)	M _t †	T _H	P _H *
	Maximum Transmitted		Hub Pressure (psi)
	Torque (ft lb)	Thrust (lbs)	
11/16	166	5805	20843
3/4	181	5805	20843
13/16	241	7113	21014
7/8	259	7113	21014
15/16	311	7963	19639
1	332	7963	19639
1 1/16	364	8224	17211
1 1/8	386	8224	17211
1 3/16	431	8712	15664
1 1/4	454	8712	15664
1 5/16	489	8938	14004
1 3/8	512	8938	14004
1 7/16	500	8336	11469
1 1/2	512	8336	11469

MULTIPLIERS

Steel	1.0
Electroless Nickel Plated Steel	0.6
Thin Dense Chrome Coated Steel	0.9
Stainless Steel	0.3

The data in the Performance Data Table is for a steel unit. To obtain data for other materials, use the multiplier provided.

For example, you require a 1" (d) Electroless Nickel Plated Trantorque OE.

Find 1" (d) in Performance Data Table and use the multiplier of 0.6 for Electroless Nickel Plated Steel.

$$M_t : 332 \times 0.6 = 199$$

$$T_H : 7963 \times 0.6 = 4778$$

$$*P_H : 19639 \times 0.6 = 11783$$

* IMPORTANT:

After hub pressure (P_H) is determined, record D, L and P_H and refer to page 9 and 10 to calculate the minimum hub diameter.

† When installing Trantorque OE with an open-ended wrench, a reduction in installation torque by 50% is recommended. This will result in a Transmitted Torque (M_t) reduced by 50%.