


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 x 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.

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



Round

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 x .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 x .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 x 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 x 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 x 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 x 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 × 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.