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

POWERTWIST DRIVE® POWERTWIST®

Product	Color	Compliancy	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.*

SUPER T LINK®

Product	Color	Compliancy	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.*

NU T LINK®

Product	Color	Compliancy	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

V

Classical Cross Section

	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

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

Double-V Round

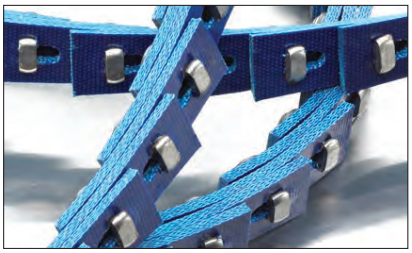
Cross Section

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

Power Transmission - SuperTLink®



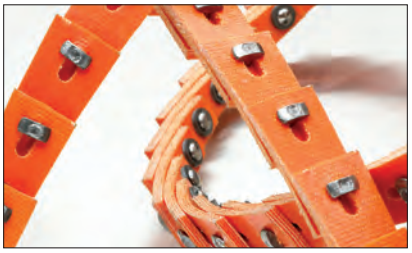
SuperTLink® Belting

Wedge

Wedge Cross Section

SUPERTLINK 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)										

POWERTWIST MOVE®

POWERTWIST®

Product	Color	Compliancy	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.*

Trackstar®
UHMW BELT & CHAIN GUIDES

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.*

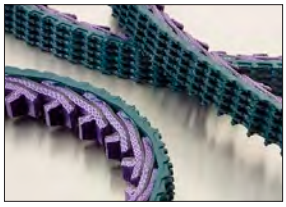
Round Link Belting

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

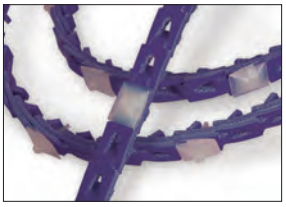
POWERTWIST MOVE Round

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.