

FRICITION DRIVES

Fenner®

Classic

V belt

Ideal for high ratio or small pulley drives, the Fenner® Classic V belt has a specially treated jacket to give superior anti-static, heat and oil resistant properties.

- 'PB®' (Precision Build) technology
Accuracy and stability of length
'One Shot' tensioning - no matching necessary
- Complete range of lengths and sections



Power Plus

wrapped wedge belt

Built using advanced technology, Fenner® Power Plus achieves economic performance by use of low elongation polyester cords and abrasion resistant impregnated jacket fabric.

- 'PB®' (Precision Build) technology
Accuracy and stability of length
'One Shot' tensioning - no matching necessary
- Meets highest industry standards for static conductivity and non-ignition properties
- Heat and oil resistant
- ISO & RMA sections



CRE Plus

cogged raw edge belt

Fenner® CRE Plus excels in the high ratio applications used in today's compact drive envelopes, by combining flexibility with structural stability.

All the advantages of Power Plus as well as:

- Special compounds used to improve flexibility and strength
- Higher running efficiency than wrapped belts



SYNCHRONOUS DRIVES

Classical

timing belt

Fenner® Classical Timing Belts are the original square toothed belts. In conjunction with their associated pulleys Classical belts provide an economic solution for light drive applications.

- Wide range of belts and Taper Lock™ pulleys
- Built to ISO standards - interchangeable world-wide
- Efficient and economical

HTD

high torque drive belt

Fenner® HTD timing belts are the first generation of metric 'curvilinear' tooth form synchronous belts for 'High Torque Drives'. With their associated Taper Lock™ pulleys, they form cost-effective drives for medium duty applications.

- All metric drive system - to ISO standards
- Curvilinear tooth form improves stress distribution for higher tooth strength
- More compact drive than Classical timing belt drives
- Full range of Taper Lock™ pulleys in 5, 8 & 14mm pitch

Torque Drive Plus 3

premium belt

The state of the art Fenner® Torque Drive Plus 3 (TDP3) works with standard HTD pulleys to provide the ultimate combination of power capacity, low noise and high accuracy in a belt drive.

- The highest power rating in the range
- Enhanced compounding and glassfibre cord excel in highly dynamic applications
- Ultra compact and cost effective
- Polyamide facing layer reduces noise and extends life
- Quiet operation, even at high speeds
- Replaces HTD belts to extend life and increase load capability

Quattro Plus premium CRE belt

This CRE belt transmits up to 4 times the power of conventional V belts. The increase in cross sectional rigidity provided by fibre-reinforced polychloroprene contributes significantly to the performance advantages.

- Ideal problem solving belt
- 4x power transmission
- 'One Shot' tensioning - no matching necessary
- Meets industry standards for static conductivity and non-ignition properties
- High efficiency for low running costs

PowerTwist Plus link belting

The state of the art solution for emergency replacement and fitment into inaccessible locations.

- Made to any length in seconds
- Available in standard (Z, A, B, C), & double sections (AA, BB etc)
- Highly resistant to heat, water, oil, chemicals etc
- Use with Fenner® ISO standard Taper Lock™ pulleys, optionally with RMA pulleys
- Easy to install, rivet-less construction, no tools necessary
- Standard or optional soft back, for conveying applications



Concord banded belt

Ideal for problematic drives. The advantages of Fenner wedge belts are combined with a neoprene/fabric band to form a single belt.

Solves problems due to;

- Vibrations
- Large centre distance
- Vertical shafts
- Can be supplied to suit either Fenner® ISO standard Taper Lock™ pulleys, or RMA standard pulleys.



THE COMPLETE RANGE - Sections and pitches (dims in mm)

FRICITION DRIVES

Classic V-belt		Width	Depth
Z		10	6
A		13	8
B		17	11
C		22	14
D		32	20

Power Plus

SPZ		10	8
SPA		13	10
SPB		16	13
SPC		22	18
8V/Delta		25	23

CRE Plus/Quattro Plus

XPZ/QXPZ		10	8
XPA/QXPA		13	10
XPB/QXPB		16	13
QXPC		22	18

SYNCHRONOUS DRIVES

	Pitch	Total Height	Tooth Height
HTD and TDP3 (MXP)			
5M	5	3.80	2.06
8M/MXP	8	5.60	3.40
14M/MXP	14	10.00	6.00

Torque Drive Plus 3 is only available in 8 & 14mm pitches

Classical Timing

XL	5.1 (1/5")	2.30	1.27
L	9.5 (3/8")	3.50	1.91
H	12.7 (1/2")	4.00	2.29
XH	22.2 (7/8")	11.40	6.35

FRICITION



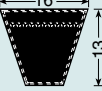
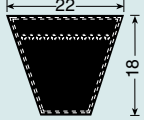
SYNCHRONOUS

Fenner Ultra PLUS & Ultra PLUS 150 PB Wedge Belts

ISO 4184 – DIN 7753 – BS 3790 - RMA IP22

In addition to their precision-built qualities, Fenner® Ultra PLUS **PA** wedge belts have superior anti-static and oil-resistant properties. All Fenner® Ultra PLUS and Ultra PLUS 150 wedge belts are static conductive to the ISO 1813 standard and conform to the anti-static

specifications of the American Petroleum Institute (API) for similar belts. They will not readily self-ignite under severe slip/stall conditions, subject to maximum surface temperature limitations.

											
Belt Designation		Belt Designation		Belt Designation		Belt Designation				Belt Designation	
SPZ				SPA		SPB		USB		SPC	USPC
Metric	Imperial 3V	Metric	Imperial 3V			Metric	Imperial 5V	Metric	Imperial 5V		
487	-	1400	-	732	1750	1250	-	1600	630	2000	2650
512	-	<i>1412</i>	-	757	1757	1260	5V500	1800	710	2120	2800
562	-	1420	560	782	<i>1782</i>	1320	-	1900	-	2240	3000
587	-	1437	-	800	1800	1340	530	2000	-	2360	3150
612	-	1462	-	<i>807</i>	1807	1400	-	2120	-	2500	3350
630	3V250	1470	580	825	1832	1410	560	2240	-	2650	3550
637	-	1487	-	832	1850	1500	-	2360	-	2800	3750
<i>662</i>	-	1500	-	850	1857	1550	-	2500	-	3000	4000
670	-	<i>1512</i>	-	<i>857</i>	1882	1600	630	2650	-	3150	4250
687	-	1520	600	875	1900	1670	-	2800	-	3350	4500
710	280	1537	-	882	1907	1700	-	3000	1180	3500	4750
722	-	1560	617	900	1932	1750	-	3150	-	3750	5000
737	-	1587	-	<i>907</i>	1950	1800	710	3350	-	4000	5300
750	-	1600	630	925	1957	1850	-	3550	-	4250	5600
760	300	1612	-	932	1982	1900	-	3750	1500	4500	6000
772	-	1637	-	950	2000	1950	-	4000	-	4750	6300
787	-	1650	650	957	2032	1980	-	4060	1600	5000	6700
800	315	1662	-	975	2057	2000	-	4250	-	5300	7100
812	-	1687	-	982	2060	2020	800	4310	1700	5600	7500
825	-	1700	670	1000	2082	2060	-	4500	-	6000	8000
837	-	1737	-	1007	2120	2120	-	4750	-	6300	8500
850	-	1762	-	1030	2132	2150	850	5000	-	6700	9000
862	-	1787	-	1060	2180	2240	-	5300	-	7100	9500
875	-	1800	710	1082	2207	2280	900	5600	-	7500	
887	-	<i>1812</i>	-	1090	2232	2360	-	6000	2360	8000	
900	355	1837	-	1107	2240	2410	950	6300	-	8500	
912	-	1850	730	1120	2282	<i>2450</i>	-	6700	-	9000	
925	-	1862	-	1132	2300	2500	-	7100	2800	9500	
940	370	<i>1887</i>	-	1150	2307	2530	1000	7500	-	10000	
950	-	1900	750	1157	2332	2580	-	8800	-	10600	
962	-	1937	-	1180	2360	2650	-			11200	
987	-	1987	800	1207	2382	2680	1060			11800	
1000	-	2000	-	1220	2430	<i>2720</i>	-			12500	
1010	400	2030	-	1232	<i>2482</i>	2800	-				
1024	-	2037	-	1250	2500	2840	1120				
1037	-	2120	-	1257	2532	2900	-				
1047	-	<i>2137</i>	-	1272	2580	3000	1180				
1060	-	2160	850	1280	2607	3150	-				
1080	425	2187	-	1307	<i>2632</i>	3170	1250				
1087	-	2240	-	1320	2650	3250	1320				
1112	-	2262	-	1332	2682	3350	-				
1120	-	2280	900	1357	2720	3450	1400				
1140	450	<i>2287</i>	-	1360	2732	3550	-				
1162	-	2360	-	1382	2782	3750	1500				
1180	-	2410	950	1400	2800	3800	-				
1187	-	2500	-	1407	2832	3870	-				
1200	475	2540	1000	1432	<i>2847</i>	4000	-				
1212	-	2650	-	1450	2882	4060	1600				
1237	-	2690	1060	1457	2900	4250	-				
1250	-	2800	-	1482	<i>2932</i>	4310	1700				
1262	-	2840	1120	1500	2982	4500	-				
1270	500	3000	1180	1507	3000	4560	1800				
1287	-	3150	-	1532	<i>3032</i>	4750	-				
1312	-	3170	1250	1550	3082	4820	1900				
1320	-	3350	-	1557	3150	5000	-				
1340	530	3550	1400	1582	3182	5070	2000				
1347	-			1600	<i>3282</i>	5300	-				
1362	-			1607	3350	5380	2120				
1387	-			1632	3382	5600	-				
				1650	3550	5680	2240				
				1657	3750	6000	2360				
				1682	4000	6300	-				
				1700	4250	6340	2500				
				1707	4500	6700	-				
				1732		7100	2800				
						7500	-				
						9000	3150				

Belt Designation	
8V	
Metric	Imperial 8V
2540	1000
2840	1120
3180	1250
3550	1400
3810	1500
4060	1600
4570	1800
5080	2000
5690	2240
6350	2500
7100	2800
8000	3150
9000	3550
10160	4000
11430	4500

Section dimensions in millimetres. Italic type denotes not held in stock at all locations. Bold type denotes standard sizes in ISO 4184.

Metric designations show pitch length in mm. Imperial designations show 'effective' length in 1/10 inches

Note: The ISO 4184 standard now refers to 'datum' lengths, which are essentially the same as 'pitch' lengths.

Fenner CRE PLUS®, Quattro PLUS® CRE Wedge Belts

ISO 4184 – DIN 7753 – BS 3790

Fenner® cogged raw edge wedge belts are precision built for excellent length matching. They are manufactured from high quality polymer and textile materials for superior heat and oil resistance. All Fenner® CRE PLUS and Quattro PLUS cogged raw edge wedge belts are static conductive

to the ISO 1813 standard and conform to the anti-static specifications of the American Petroleum Institute (API) for similar belts. They will not ignite under severe slip/stall conditions, subject to maximum surface temperature limitations.

Belt Designation		Belt Designation		Belt Designation		Belt Designation	
XPZ	QXPZ	XPA	QXPA	XPB	QXPB	XPC	QXPC
630	630	800	800	1250	1250	2000	2000
670	670	850	850	1260		2120	2120
710	710	900	900	1320	1320	2240	2240
750	750	925		1340		2360	2360
760		950	950	1400	1400	2500	2500
800	800	1000	1000	1410		2650	2650
850	850		1030	1500	1500	2800	2800
900	900	1060	1060	1600	1600	3000	3000
937		1090		1700	1700	3150	3150
940		1120	1120	1800	1800	3350	3350
950	950	1180	1180	1900	1900	3550	3550
1000	1000	1207		2000	2000	3750	3750
1010		1250	1250	2020		4000	4000
1060	1060	1280		2120	2120	4060	4060
1077		1320	1320	2150		4250	4250
1080		1382		2240	2240	4310	4310
1120	1120	1400	1400	2280		4500	4500
1137		1450	1450	2360	2360	4750	4750
1140		1500	1500	2410		5000	5000
	1150	1532		2500	2500		
1180	1180	1550	1550	2530			
1200		1600	1600	2650	2650		
	1220	1650	1650	2680			
1250	1250	1700	1700	2800	2800		
1270		1750	1750	2840			
	1287	1800	1800	3000	3000		
1320	1320	1850	1850	3150	3150		
1337		1900	1900	3350	3350		
1340		1950	1950	3550	3550		
1360		2000	2000		3750		
1400	1400	2060	2060		4000		
1420		2120	2120		4060		
1450		2240	2240		4250		
1462		2360	2360		4310		
1470		2430			4500		
1500	1500	2500	2500				
1520		2650	2650				
	1537	2800	2800				
	1550	3000	3000				
1560		3150	3150				
1587		3350					
1600	1600	3550	3550				
1650			4000				
1700	1700						
1800	1800						
1850							
1900	1900						
2000	2000						
2040							
2120	2120						
2160							
2240	2240						
2280							
2360							
2410							
2500	2500						
2540							
2650							
2690							
2800	2800						
2840							
3000							
3150	3150						
3350							
3550	3550						

DATA FOR ALL WEDGE BELTS

Metric belt designation denotes pitch length in mm.

SPZ: Lo = Lp + 13mm
 SPA: Lo = Lp + 18mm
 SPB: Lo = Lp + 22mm
 SPC: Lo = Lp + 30mm

Lp = Pitch length
 Lo = Outside length

PITCH LENGTH Lp = Li + mm (Inside length)

Belt Section	Wrapped Belt	CRE Belt	Quattro PLUS	Ultra PLUS 150
SPZ	37	38	30	-
SPA	45	44	40	-
SPB	60	58	60	60
SPC	90	-	80	90
8V	120	-	-	-

MASS PER UNIT LENGTH kg/m

Belt Section	Wrapped Belt	CRE Belt	Quattro PLUS	Ultra PLUS 150
SPZ	0.07	0.06	0.07	-
SPA	0.12	0.11	0.12	-
SPB	0.19	0.18	0.19	0.23
SPC	0.32	-	0.36	0.38
8V	0.54	-	-	-

WORKING TEMPERATURES

Fenner Ultra PLUS and CRE PLUS wedge belts perform satisfactorily within the temperature range -40 to +70°C
 Quattro PLUS temperature range -40 to +80°C
 Ultra PLUS 150 temperature range -40° to +80°C

Metric designations are 'pitch' lengths in mm.
 Imperial belt designation denotes approximate 'effective' length in tenths of an inch in accordance with RMA standards.

Note: The ISO 4184 standard now refers to 'datum' lengths, which are essentially the same as 'pitch' lengths.

For similar cross sections, other designations include SPZ, Alpha, 3V & 9N
 SPB, Beta, 5V & 15N
 8V, Delta, & 25N

SPZ, SPA, SPB & SPC belt designations shown in heavier type identify standard sizes in ISO 4184. Belt lengths in italic type are available but not ex stock in all locations.

Consult your Authorised Distributor for non-listed belt lengths.

PRODUCT CODES

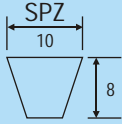
8 digit for standard vee-belts

Digits 1-3 Product Group	260 Ultra PLUS 267 CRE PLUS 268 Ultra PLUS 150 269 Quattro PLUS
Digit 4 Section Letter	(USP, SP, XP, QXP) Z, A, B, C, D (8V)
Digits 5 to 8: Length	0 then first three of 4-figure lengths or, first 4 of 5-figure lengths For example: Ultra PLUS SPB2800 is coded 260B0280 Quattro PLUS QXPZ 1250 is coded 269Z0125

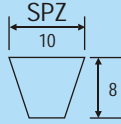
Spacesaver Wedge Belts

Poly-F-Plus PB belts are 'Precision Built' and subject to precise length control and no need for matching of belts. The unique 'HSS' process of Heat Stretching and Length stabilizing ensures that belts retain the tension and stay matched.

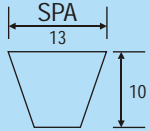
Poly-F-Plus PB belts require only one shot tensioning. Space saver Wedge Belt overcome difficulties like shaft overhang, larger Guards and Pulleys and thus enhances Bearing life. Fenner has the unique distinction of being the only company in India to be accredited with API certification.



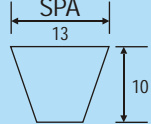
Size
SPZ630
SPZ670
SPZ710
SPZ750
SPZ760
SPZ800
SPZ825
SPZ850
SPZ900
SPZ940
SPZ950
SPZ1000
SPZ1010
SPZ1060
SPZ1080
SPZ1120
SPZ1140
SPZ1180
SPZ1200
SPZ1250
SPZ1270
SPZ1320
SPZ1340
SPZ1348
SPZ1358
SPZ1400
SPZ1420
SPZ1470
SPZ1500
SPZ1520
SPZ1560
SPZ1600
SPZ1650
SPZ1700
SPZ1800
SPZ1850
SPZ1900
SPZ2000
SPZ2030
SPZ2120



Size
SPZ2160
SPZ2240
SPZ2280
SPZ2360
SPZ2410
SPZ2500
SPZ2540
SPZ2650
SPZ2680
SPZ2800
SPZ2840
SPZ3000
SPZ3150
SPZ3170
SPZ3350
SPZ3550



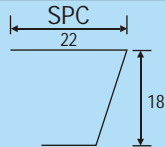
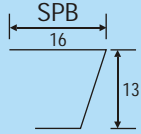
Size
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SPA825
SPA850
SPA875
SPA900
SPA950
SPA975
SPA1000
SPA1030
SPA1060
SPA1090
SPA1120
SPA1150
SPA1180
SPA1220
SPA1250



Size
SPA1280
SPA1320
SPA1360
SPA1400
SPA1450
SPA1457
SPA1500
SPA1550
SPA1600
SPA1650
SPA1700
SPA1750
SPA1800
SPA1850
SPA1900
SPA1925
SPA1950
SPA2000
SPA2060
SPA2120
SPA2180
SPA2240
SPA2280
SPA2300
SPA2360
SPA2430
SPA2500
SPA2580
SPA2650
SPA2720
SPA2800
SPA2900
SPA3000
SPA3150
SPA3350
SPA3550
SPA3750
SPA4040
SPA4250
SPA4500

"For all unlisted sizes please consult Fenner"

Wedge Belts



Size

Size

SPB1250
SPB1320
SPB1340
SPB1400
SPB1500
SPB1550
SPB1600
SPB1700
SPB1800
SPB1900
SPB2000
SPB2020
SPB2120
SPB2150
SPB2240
SPB2280
SPB2360
SPB2410
SPB2500
SPB2530
SPB2650
SPB2680
SPB2800
SPB2840
SPB3000
SPB3150
SPB3170
SPB3350
SPB3550
SPB3750
SPB3800
SPB4000
SPB4060
SPB4250
SPB4310
SPB4500
SPB4560
SPB4750
SPB4820
SPB5000
SPB5070
SPB5300
SPB5380
SPB5600
SPB5880
SPB6000
SPB6300
SPB6340
SPB6700
SPB7100
SPB7500
SPB8000

SPC2000
SPC2120
SPC2240
SPC2360
SPC2500
SPC2650
SPC2800
SPC3000
SPC3150
SPC3350
SPC3550
SPC3750
SPC4000
SPC4250
SPC4500
SPC4750
SPC5000
SPC5300
SPC5480
SPC5600
SPC6000
SPC6300
SPC6700
SPC7100
SPC7500
SPC8000
SPC8500
SPC9000
SPC9500
SPC10000
SPC10600
SPC11200
SPC11800
SPC12500

Delta/8V/25N Section (25x23mm)

Belt Designation		Effective Outside Length	
RMA (Imperial)	Delta (Metric)	RMA (Inches)	Delta (mm)
8V-1000	25N-2540	100	2540
8V-1060	25N-2690	106	2690
8V-1120	25N-2840	112	2840
8V-1180	25N-3000	118	3000
8V-1250	25N-3180	125	3180
8V-1320	25N-3350	132	3350
8V-1400	25N-3550	140	3550
8V-1500	25N-3810	150	3810
8V-1600	25N-4060	160	4060
8V-1700	25N-4320	170	4320
8V-1800	25N-4570	180	4570
8V-1900	25N-4830	190	4830
8V-2000	25N-5080	200	5080
8V-2120	25N-5380	212	5380
8V-2240	25N-5690	224	5690
8V-2360	25N-6000	236	6000
8V-2500	25N-6350	250	6350
8V-2550	25N-6480	255	6480
8V-2650	25N-6730	265	6730
8V-2800	25N-7100	280	7100
8V-3000	25N-7620	300	7620
8V-3150	25N-8000	315	8000
8V-3350	25N-8500	335	8500
8V-3550	25N-9000	355	9000
8V-3750	25N-9500	375	9500
8V-4000	25N-10160	400	10160
8V-4250	25N-10800	425	10800
8V-4500	25N-11430	450	11430
8V-4750	25N-12060	475	12060
8V-5000	25N-12700	500	12700

SPACE SAVER WEDGE BELTS

- Higher power transmission.
- Overcome difficulties like shaft overhung, large guards and Pulleys and thus enhance bearing life.



Section Wedge	Pitch Length
	Lp(mm)
SPZ	512-4000
SPA	650-4500
SPB	1000-14500
SPC	1400-14500

Section Narrow V	Effective Length
	Li(inches)
3V	20-150
5V	42-570
8V	100-580