

**Fenner**


## SpacesaVer Wedge Belts

Continuous research work and efforts in development of V-Belts have been made to introduce the latest type of SpacesaVer Wedge Belts. This line of Wedge Belt drives is engineered to utilize in full, all the performance capabilities of modern man-made fibres and synthetic rubbers. Four sections of Wedge Belts SPZ, SPA, SPB & SPC confirm to BS3790.

In combination with Fenner Dual Duty Taper Lock® Pulleys machined to close limits from high grade materials, these Wedge Belts result in drives which are extraordinarily compact. They are capable of handling even more than twice as much power in a given space as traditional V-Belt drives.





Special Polyester Cord Cables provide the strength and flexibility needed for immense load carrying capacity of these small sections and an exclusive process of bonding the cables to the rubber element of the belts ensures that all parts of the belts act in unshakable union under conditions of severest flexing.

The benefits of Wedge Belts go beyond compactness and low initial cost. Every Wedge Belt is highly resistant to heat, oil and exposure to weather and has adequate electrical conductivity to deal with normal static hazards.

Wedge belts are narrow V-Belts with an aspect ratio around 0.8. (Aspect ratio = Topwidth/ Height of the belt cross section). The Top width is the same but the height is significantly larger than that of classical belts. Please refer to Table below.

Classical Belts		Wedge Belts	
Section	Cross section (mm)	Section	Cross Section (mm)
Z	10X6	SPZ	10X8
A	13X8	SPA	13X10
B	17X11	SPB	17X14
C	22X14	SPC	22X18

- Lesser number of Wedge belts for transmitting the same power means lesser shaft overhang, lower shaft moments and lower load on bearings, apart from compactness of design.
- Increased height of the cross section ensures better and even support for all the cable cords leading to uniform distribution of stresses and consequently power. Higher belt velocities are possible with wedge belts, the recommended limit being 40 m/sec.

SPZ	SPA	SPB	SPC
			
Size	Size	Size	Size
SPZ630	SPA800	SPB1250	SPC2000
SPZ670	SPA825	SPB1320	SPC2120
SPZ710	SPA850	SPB1340	SPC2240
SPZ750	SPA875	SPB1400	SPC2360
SPZ760	SPA900	SPB1500	SPC2500
SPZ800	SPA950	SPB1550	SPC2650
SPZ825	SPA975	SPB1600	SPC2800
SPZ850	SPA1000	SPB1700	SPC3000
SPZ900	SPA1030	SPB1800	SPC3150
SPZ940	SPA1060	SPB1900	SPC3350
SPZ950	SPA1090	SPB2000	SPC3550
SPZ1000	SPA1120	SPB2020	SPC3750
SPZ1010	SPA1150	SPB2120	SPC4000
SPZ1060	SPA1180	SPB2150	SPC4250
SPZ1080	SPA1220	SPB2240	SPC4500
SPZ1120	SPA1250	SPB2280	SPC4750
SPZ1140	SPA1280	SPB2360	SPC5000
SPZ1180	SPA1320	SPB2410	SPC5300
SPZ1200	SPA1360	SPB2500	SPC5480
SPZ1250	SPA1400	SPB2530	SPC5600
SPZ1270	SPA1450	SPB2650	SPC6000
SPZ1320	SPA1457	SPB2680	SPC6300
SPZ1340	SPA1500	SPB2800	SPC6700
SPZ1348	SPA1550	SPB2840	SPC7100
SPZ1358	SPA1600	SPB3000	SPC7500
SPZ1400	SPA1650	SPB3150	SPC8000
SPZ1420	SPA1700	SPB3170	SPC8500
SPZ1470	SPA1750	SPB3350	SPC9000
SPZ1500	SPA1800	SPB3550	SPC9500
SPZ1520	SPA1850	SPB3750	SPC10000
SPZ1560	SPA1900	SPB3800	SPC10600
SPZ1600	SPA1925	SPB4000	SPC11200
SPZ1650	SPA1950	SPB4060	SPC11800
SPZ1700	SPA2000	SPB4250	SPC12500
SPZ1800	SPA2060	SPB4310	
SPZ1850	SPA2120	SPB4500	
SPZ1900	SPA2180	SPB4560	
SPZ2000	SPA2240	SPB4750	
SPZ2030	SPA2280	SPB4820	
SPZ2120	SPA2300	SPB5000	
SPZ2160	SPA2360	SPB5070	
SPZ2240	SPA2430	SPB5300	
SPZ2280	SPA2500	SPB5380	
SPZ2360	SPA2580	SPB5600	
SPZ2410	SPA2650	SPB5880	
SPZ2500	SPA2720	SPB6000	
SPZ2540	SPA2800	SPB6300	
SPZ2650	SPA2900	SPB6340	
SPZ2680	SPA3000	SPB6700	
SPZ2800	SPA3150	SPB7100	
SPZ2840	SPA3350	SPB7500	
SPZ3000	SPA3550	SPB8000	
SPZ3150	SPA3750		
SPZ3170	SPA4040		
SPZ3350	SPA4250		
SPZ3550	SPA4500		

Delta/3V Belts ( 10 x 8 mm)			
Belt Designation		Effective Outside Length	
RMA (Imperial)	Delta (Metric)	RMA (Inches)	Delta (mm)
3V200	SPZ500	20.0	500
3V250	SPZ630	25.0	630
3V265	SPZ670	26.5	670
3V270	SPZ680	27.0	680
3V280	SPZ710	28.0	710
3V300	SPZ760	30.0	760
3V315	SPZ800	31.5	800
3V320	SPZ810	32.0	810
3V330	SPZ830	33.0	830
3V350	SPZ880	35.0	880
3V360	SPZ910	36.0	910
3V370	SPZ940	37.0	940
3V380	SPZ960	38.0	960
3V400	SPZ1010	40.0	1010
3V420	SPZ1060	42.0	1060
3V450	SPZ1140	45.0	1140
3V470	SPZ1190	47.0	1190
3V480	SPZ1210	48.0	1210
3V500	SPZ1270	50.0	1270
3V510	SPZ1290	51.0	1290
3V530	SPZ1340	53.0	1340
3V560	SPZ1420	56.0	1420
3V575	SPZ1460	57.5	1460
3V600	SPZ1520	60.0	1520
3V630	SPZ1600	63.0	1600
3V670	SPZ1700	67.0	1700
3V710	SPZ1800	71.0	1800
3V750	SPZ1900	75.0	1900
3V800	SPZ2040	80.0	2030
3V850	SPZ2160	85.0	2150
3V900	SPZ2280	90.0	2280
3V950	SPZ2410	95.0	2410
3V1000	SPZ2540	100.0	2540
3V1060	SPZ2690	106.0	2690
3V1120	SPZ2840	112.0	2840
3V1180	SPZ3010	118.0	2990
3V1200	SPZ3040	120.0	3040
3V1320	SPZ3350	132.0	3350
3V1400	SPZ3550	140.0	3550
3V1450	SPZ3680	145.0	3680
3V1500	SPZ3800	150.0	3810

Delta/5V Belts (16x13mm)			
Belt Designation		Effective Outside Length	
RMA (Imperial)	Delta (Metric)	RMA (Inches)	Delta (mm)
5V420	SPB1060	42.0	1060
5V430	SPB1090	43.0	1090
5V450	SPB1140	45.0	1140
5V480	SPB1210	48.0	1210
5V500	SPB1260	50.0	1270
5V530	SPB1340	53.0	1340
5V600	SPB1520	60.0	1520
5V630	SPB1600	63.0	1600
5V710	SPB1800	71.0	1800
5V750	SPB1900	75.0	1900
5V800	SPB2020	80.0	2030
5V850	SPB2150	85.0	2150
5V900	SPB2280	90.0	2280
5V1000	SPB2530	100.0	2540
5V1060	SPB2680	106.0	2690
5V1120	SPB2840	112.0	2840
5V1180	SPB3000	118.0	2990
5V1250	SPB3170	125.0	3170
5V1320	SPB3350	132.0	3350
5V1400	SPB3550	140.0	3550
5V1500	SPB3800	150.0	3810
5V1600	SPB4060	160.0	4060
5V1700	SPB4310	170.0	4310
5V1800	SPB4560	180.0	4570
5V1900	SPB4820	190.0	4820
5V2000	SPB5070	200.0	5080
5V2030	SPB5150	203.0	5150
5V2120	SPB5380	212.0	5380
5V2240	SPB5680	224.0	5690
5V2360	SPB6000	236.0	5990
5V2500	SPB6340	250.0	6350
5V2650	SPB6730	265.0	6730
5V2800	SPB7100	280.0	7110
5V3000	SPB7620	300.0	7620
5V3150	SPB8000	315.0	8000
5V3350	SPB8500	335.0	8500
5V3450	SPB8760	345.0	8760
5V3750	SPB9520	375.0	9520
5V4000	SPB10160	400.0	10160
5V4250	SPB10790	425.0	10790
5V4500	SPB11430	450.0	11430
5V4750	SPB12060	475.0	12060
5V5000	SPB12700	500.0	12700
5V5500	SPB13970	550.0	13970
5V5650	SPB14350	565.0	14350
5V5700	SPB14470	570.0	14470

Delta/8V/25N Belts (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