

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		