

Section 1 - Friction Belts - Rubber Belts

DIN 7753 Part 1 - ISO 4184 / IP22 RMA-MPTA / BS 3790

Narrow Wedge V-Belts

Structure details:

Insulation Filler

Provides perfect adhesion for the cords and the rubber base.

Tensile cord

Made out of polyester yarn, specially treated, the tension cord is pre-loaded during the process to deliver low stretch on the belt.

Rubber base

Perfect combination between the tensile force transmission and stable longitudinal forces on the sides over time.

Wrapping cover

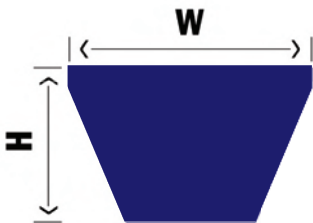
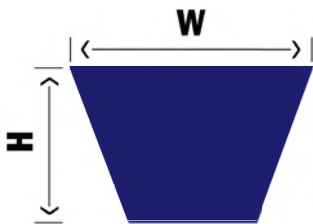
Our heavy duty wrapping cover provides great resistance to abrasion and perfected grip.

Properties:

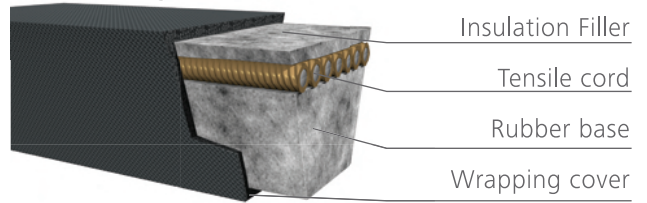
- Constant length $L = L$ per ISO specifications
- Temperature range from -40°C up to $+70^{\circ}\text{C}$
- Meets antistatic requirements from ISO 1813
- Good resistance to dust and against other external aggression.
- Moderate resistant to mineral oil.
- Meets RoHS and REACH requirements

Section Dimensions:

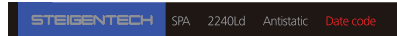
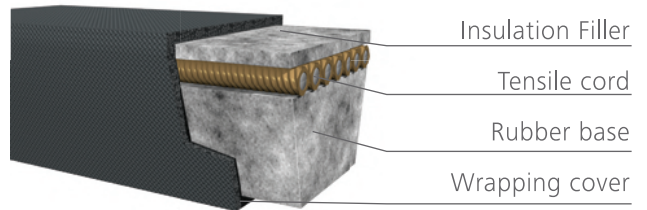
Our Narrow Wedge V-Belts have been designated to be used with V-Belt pulleys according to DIN 2211.



Narrow Wedge V-Belts to ISO:



Narrow Wedge V-Belts to RMA-MPTA:



Application:

Sections 3V/9N, 5V/15N and 8V/25N are to be used with machinery or equipment to be exported to Nafta as those standard are heavily used overthere. Section 3V/9N is roughly matching SPZ and 5V/15N those of SPB. There is not such equivalence for 8V/25N and still to be used for heavy duty drives such as mining applications. Sections SPZ, SPA, SPB and SPC are suitable for all light industrial applications such as pumps or fans up to stone crusher drives.

ISO 4184	SPZ	SPA	SPB	SPC
Section W x H (mm)	10 x 8	13 x 10	17 x 14	22 x 18
Datum Width (mm)	8.5	11	14	19
Belt Weight per meter (Kg/m)	0.08	0.13	0.22	0.35
Min. pulley diameter (mm)	63	90	140	224
Max flexing frequency (s ⁻¹)	100	100	100	100
Max belt speed (m/s)	40	40	40	40
Min. length (mm)	406	600	1100	1800
Max. length (mm)	5080	5080	10008	15240
Length Conversion (mm)	La=Li+50	La=Li+63	La=Li+88	La=Li+113

La: outside length Li: inside length

RMA/MPTA	3V/9N	5V/15N	8V/25N
Section W x H (mm)	9,5 x 8	16 x 13,5	25,5 x 23
Belt Weight per meter (Kg/m)	0.08	0.22	0.50
Min. pulley diameter (mm)	67	180	330
Max flexing frequency (s ⁻¹)	100	100	100
Max belt speed (m/s)	40	40	40
Min. length (mm)	406	1100	1905
Max. length (mm)	5080	10008	15240
Length Conversion (mm)	La=Li+50	La=Li+85	La=Li+144

La: outside length Li: inside length

Product Codification:

RMA designation:	3V	475	-	1215La
Possible sections : 3V, 5V, 8V	Belt top width	Outside length (inches x 10)		Outside length (mm)
ISO designation:		SPA	-	2240 Ld
Possible sections : SPZ, SPA, SPB, SPC		Belt section (13 x 10 mm)		Datum length (mm)