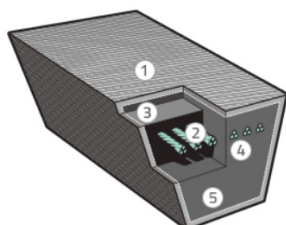


## ConCar narrow V-belts, wrapped

ConCar narrow V-belts are made of a high-quality rubber compound. The polyester cords are vulcanised to form a unit with the belt, then impregnated and covered in a special rubber compound. This creates a homogeneous bond between the cord and the core, ensuring a high degree of resistance to tensile and bending forces, expansion, and impact loads. The flexibly woven and therefore elastic wrapping is treated with an abrasion-resistant rubber compound.

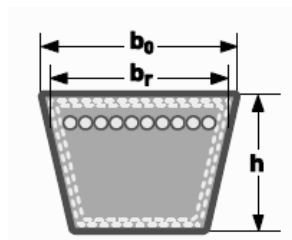


### Design



construction	function	material
1) fabric wrapping	cord protection	cotton, synthetic fabric
2) cord	force transfer	polyester
3) upper rubber layer	dimensional stability under load	chloroprene
4) adhesion enhancer	cord connection to the basic body	chloroprene
5) rubber core	dimensional stability under load	chloroprene

### Profiles



	SPZ	SPA	SPB	SPC
upper belt width $b_u$ (mm)	9,7	12,7	16,3	22
belt height $h$ (mm)	8	10	13	18
lower profile width (mm)	4,2	5,8	7,3	9,6
effective width $e_w$ (mm)	8,5	11	14	19
minimum pulley $\varnothing$ (mm)	63	90	140	224
weight per meter (approx. kg/m)	0,07	0,119	0,194	0,36
minimum outside idler pulley $\varnothing$ (mm)	120	160	250	350

### Features

- oil-resistant under certain conditions
- dustproof and resistant to tropical climates
- manufactured according to DIN 7753 Part 1 and ISO 4184
- maximum belt speed: 42 m/sec.
- maximum reversed bending:  $100 \text{ s}^{-1}$
- temperature range:  $-30 \text{ }^\circ\text{C}$  to  $+70 \text{ }^\circ\text{C}$
- electrically conductive according to ISO 1813. Can be used under the conditions described in the ATEX directive (94/9/EC).

### Application areas

- construction of light and heavy machines
- impact-loaded drives
- favourable implementation of the requirements of transmission, coupling, and axial interval