

POLYESTER BELTS – Technical data sheet.

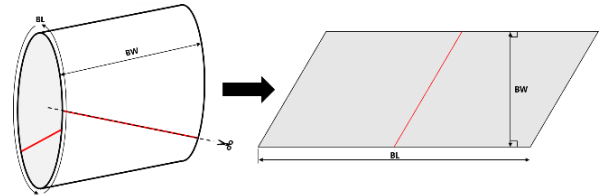
Effective date: 2026-04-21

Specifications	
Belt type	Polyester S-SIC
Backing material	Polyester cloth
Mineral type	Silicon carbide

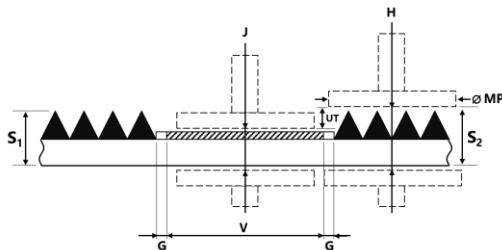
Tensile strength in weft direction	
Backing	120 N/cm ²

Applicable board types
LDF
MDF
HDF
Particle board
Plywood
Solid wood
Laminated timber

Cutting specification and segment dimension			
Designation		Length	Tolerance
BW	Belt width	2300 mm	± 10 mm
BL	Total belt length	3200 mm	± 6 mm
Instrument	Tape measure	Instructions	



Cut belt at one joint → Flatten belt → Measure



Thickness gauge measuring plate (MP) must have 15 mm diameter.

Tape color			
	P036	P040	
	P050	P060	
	P080	P100	
	P120	P150	P180

Belt joint specification: tape on grit side				
Grit	Max. thickness difference of segments	Under thickness	Gap between grit and joint	Tape width
	$ S_1 - S_2 $	$UT = H - J$	G	V
P180	≤ 0.03 mm	≥ 0.10 mm	≤ 2.50 mm	16.00 ± 0.50 mm
P150	≤ 0.03 mm	≥ 0.10 mm	≤ 2.50 mm	16.00 ± 0.50 mm
P120	≤ 0.03 mm	≥ 0.12 mm	≤ 2.50 mm	16.00 ± 0.50 mm
P100	≤ 0.03 mm	≥ 0.15 mm	≤ 2.50 mm	16.00 ± 0.50 mm
P080	≤ 0.05 mm	≥ 0.20 mm	≤ 2.50 mm	16.00 ± 0.50 mm
P060	≤ 0.07 mm	≥ 0.25 mm	≤ 2.50 mm	16.00 ± 0.50 mm
P050	≤ 0.12 mm	≥ 0.25 mm	≤ 2.50 mm	16.00 ± 0.50 mm
P040	≤ 0.17 mm	≥ 0.30 mm	≤ 2.50 mm	16.00 ± 0.50 mm
P036	≤ 0.20 mm	≥ 0.30 mm	≤ 2.50 mm	16.00 ± 0.50 mm
Instruments	Ruler Thickness gauge	Instructions	Use ruler for linear measurements G and V. Use thickness gauge for measurements S ₁ , S ₂ , J and H.	

Safety instructions / storage conditions		
Risk of abrasions, cut injuries and contusions.	Wearing personal protective equipment is recommended when handling the materials. Stored under proper conditions, belts have a storage life of minimum 24 months.	 