

Main industry segments

Materials handling, packaging, glass, automotive, wood

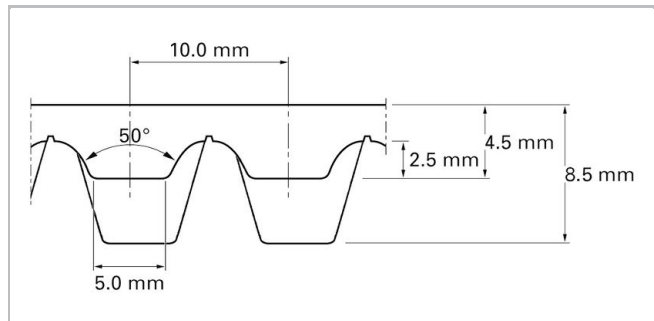
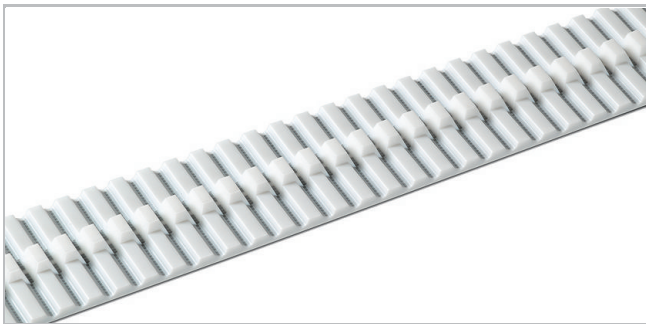
Belt applications

General conveying systems, pick-n-place transports, windshield and window glass conveying, metal stamping, board and panel manufacturing

Description

Trapezoid teeth with a 50° tooth angle are spaced on 10 mm centers. An integrated molded guide allows straight belt and product movement without right or left deviation.

White thermoplastic polyurethane with 92 Shore A provides wear resistance on the tooth side and protects the steel tensile member. Our material also provides high lubricity, which yields low noise and vibration meshing in and out of the drive pulley.



Sketch of basic shape

Belt data

Belt width, nominal		Admissible tensile force, open belt		Admissible tensile force, joined belt		Tensile force for 1% elongation		Mass of belt (belt weight)	
mm	inch	N	lbf	N	lbf	N	lbf	kg/m	lb/ft
25	0.98	3500	787	1750	393	8750	1967	0.15	0.10
32	1.26	4400	990	2200	494	10940	2460	0.16	0.11

Belt width (max 150 mm / 6 inch): Possible **cutting widths** are multiples of the nominal belt width.

Minimum **number of teeth** of joined belt: 90

Minimum **length of joined belt**: 900 mm (35.4 inch)

Temperature range of matrix material: -30 to 80 °C (-22 to 176 °F)

The tensile force for 1% elongation (k1% static) per unit of width determines the stress-strain behavior of the belt. It defines the resulting strain if a certain stress is applied and vice versa. This value corresponds to the belt without joint.

The admissible tensile force of a running belt is defined by the strength of the joint or by the strength of the belt without joint. Habasit defines an admissible belt force (without joint) for all belts, which always corresponds with a belt elongation of 0.4%. Joined belts are calculated with half admissible force. Please contact Habasit for detailed information and calculations.

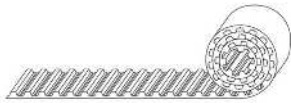
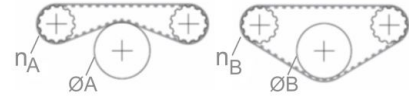
All data are approximate values under **standard climatic conditions**: 23 °C / 73 °F, 50% relative humidity (DIN 50005 / ISO 554), and are based on the Master Joining Method.

Belt options

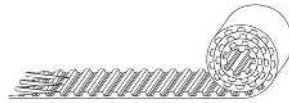
Description		ØA		n _A	ØB		n _B
		mm	inch		mm	inch	
Tooth side: unprocessed matrix material Conveying side: unprocessed matrix material		120	4.72	25	50	1.97	15
Tooth side: Polyamide 6 fabric, green Conveying side: unprocessed matrix material	PT	120	4.72	25	50	1.97	15

For **detailed material properties** (e.g. coefficient of friction, colors, etc) please contact your Habasit representative.

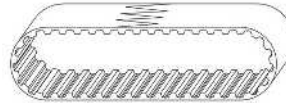
- A** = with counter flection
- B** = without counter flection



Open ended (O)



Prepared ends (P)



Joined endless (J)

Disclaimer

Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

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