

HabaSYNC® Open-end Timing Belts

AT10-P-05



Main industry segments

Materials handling, food, packaging

Belt applications

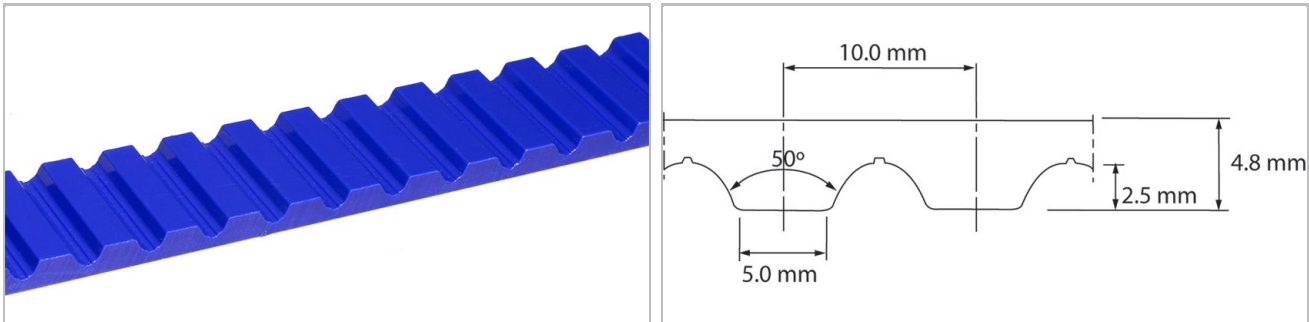
General conveying, vertical lifts, packaging lines

Description

Trapezoid teeth with a 50° tooth angle are spaced on 10 mm centers.

Food grade blue thermoplastic polyurethane with 90 Shore A protects the steel tensile member and ensures smooth handling of wet foodstuff. Our polyether TPU provides good wear resistance on the tooth side and withstands hydrolysis, oils and solvents very well.

This type is in compliance with relevant EU and US food contact requirements. Check the following link for detailed information http://www.habasit.com/productpdfs/doc/DoC_at10-p-05-en-us.pdf



Sketch of basic shape

Belt data

Belt slitting width, nominal		Admissible tensile force, open belt		Tensile force for 1% elongation		Mass of belt	
mm	inch	N	lbf	N	lbf	kg/m	lb/ft
25	0.98	5000	1124	12500	2810	0.17	0.11

Standard belt widths are equal to, or multiples of the nominal belt slitting width.

Maximum belt width (150 mm / 6 inch): All **non-standard belt widths** can be slitted on request.

Temperature range of matrix material: -40 to 80 °C (-40 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.

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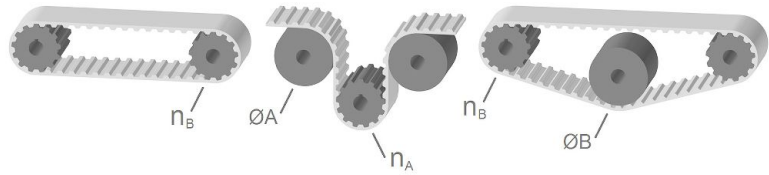
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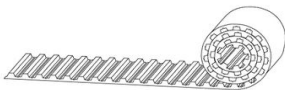
Belt options

Description		ØA		n _A	ØB		n _B
		mm	inch		mm	inch	
Tooth side: unprocessed matrix material	U	180	7.09	25	120	4.72	18
Conveying side: unprocessed matrix material	U						

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)

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