

HabaSYNC® Open-end Timing Belts

H-A-02-GA



Main industry segments

Materials handling, packaging and automation

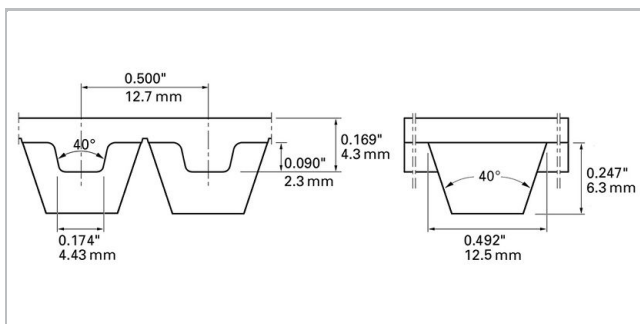
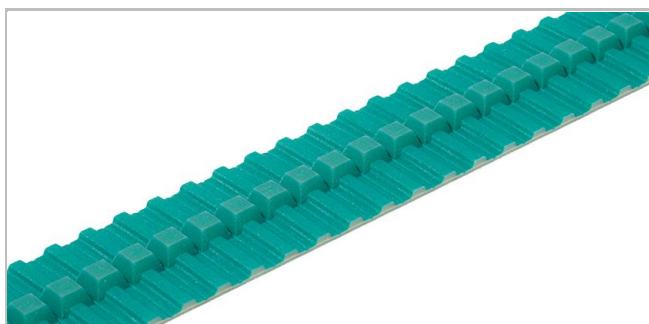
Belt applications

Packaging machinery, pick-n-place transports, automated storage systems, scanning and cutting machines, glass conveying, electronic assembly equipment, robotics, wood panel conveying, fitness equipment

Description

Trapezoid teeth with a 40° tooth angle are spaced on 0.500 inch (12.7 mm) centers. An integrated molded guide allows straight belt and product movement without right or left deviation.

Transparent food grade thermoplastic polyurethane with 88 Shore A protects the aramid tensile member and allows smooth handling of any kind of goods - including direct contact with foodstuff. Our TPU provides good resistance to oils and solvents and withstands UV radiation well.



Sketch of basic shape

Belt data

Belt slitting 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	1.00	2000	450	1000	225	3333	749	0.10	0.07

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: -20 to 80 °C (-4 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 ultimate tensile strength (or breaking strength) for the widest slitting width mentioned above is 15400 N.

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 0.6 %. 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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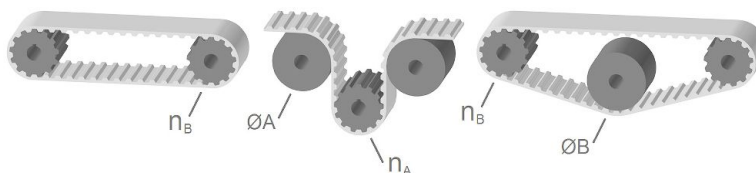
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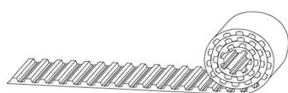
Belt options

Description		ØA		n _A	ØB		n _B
		mm	inch		mm	inch	
Tooth side: unprocessed matrix material	U	80	3.15	20	60	2.36	14
Conveying side: unprocessed matrix material	U						
Tooth side: Polyamide fabric, green	P	80	3.15	20	60	2.36	14
Conveying side: unprocessed matrix material	U						

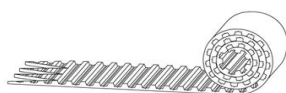
For **detailed material properties** (e.g. coefficient of friction, colors, etc.) please contact your Habasit representative.



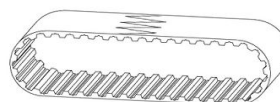
A = with counter flection
B = without counter flection



Open ended (O)



Prepared ends (P)



Joined endless (J)

Disclaimer

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

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