

Main industry segments

Packaging and food

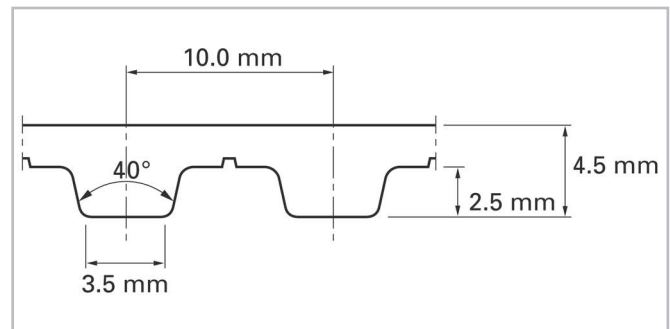
Belt applications

Pick-n-place transports, small parts conveying, inserting systems, carton making and filling lines

Description

Trapezoid teeth with a 40° tooth angle are spaced on 10 mm centers.

Food grade transparent thermoplastic polyurethane with 88 Shore A protects the aramide 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 according to DIN 7721

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
10	0.39	800	180	400	90	1333	300	0.04	0.03
15	0.59	1200	270	600	135	2000	450	0.06	0.04
16	0.63	1280	288	640	144	2133	480	0.06	0.04
25	0.98	2000	450	1000	225	3333	749	0.10	0.07

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: -20 to 70 °C (-4 to 150 °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 to 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.

Food suitability, FDA conformance: Yes, acc. to 21CFR parts 170 - 199. Contact your Habasit representative for detailed information.

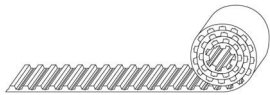
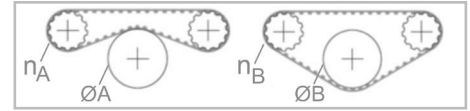
Belt options

Description		ØA		n _A	ØB		n _B
		mm	inch		mm	inch	
Tooth side: unprocessed matrix material	U	60	2.36	20	60	2.36	15
Conveying side: unprocessed matrix material	U						

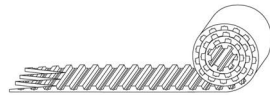
For **detailed material properties** (e.g. coefficient of friction, colors, etc) please contact your Habasit representative.

A = with counter flection

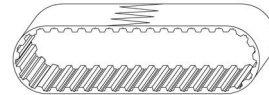
B = without counter flection



Open ended (O)



Prepared ends (P)



Joined endless (J)

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