

**Main industry segments**

Packaging and food

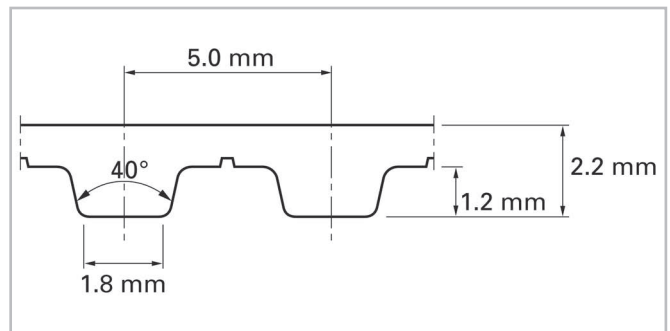
**Belt applications**

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 5 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	336	76	168	38	560	126	0.02	0.02
16	0.63	540	121	270	61	900	202	0.03	0.02
25	0.98	840	189	420	94	1400	315	0.05	0.04

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

Minimum **number of teeth** of joined belt: 180

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.

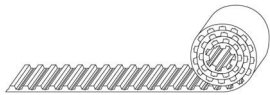
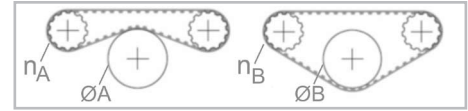
### Belt options

Description		ØA		n <sub>A</sub>	ØB		n <sub>B</sub>
		mm	inch		mm	inch	
Tooth side: unprocessed matrix material	U	30	1.18	18	30	1.18	15
Conveying side: unprocessed matrix material	U						

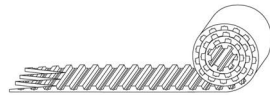
For **detailed material properties** (e.g. coefficient of friction, colors, etc) please contact your Habasit representative.

**A** = with counter flection

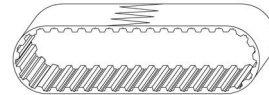
**B** = without counter flection



Open ended (O)



Prepared ends (P)



Joined endless (J)

### Disclaimer

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

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