

### Main industry segments

Food and packaging

### Belt applications

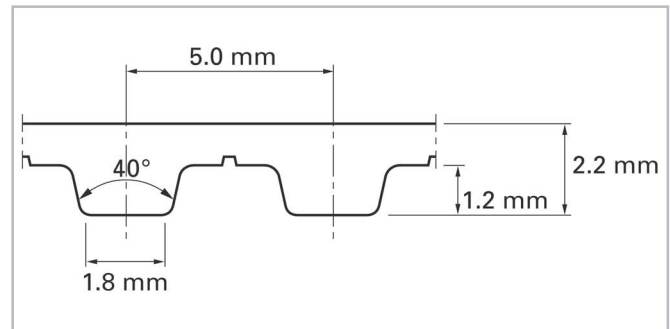
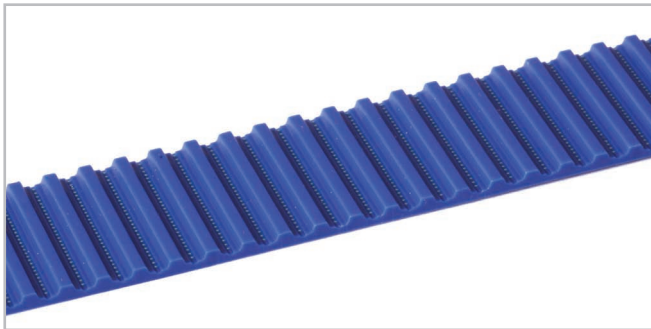
Food conveying, slicing machines, portioning lines, packaging lines

### Description

Trapezoid teeth with a 40° tooth angle are spaced on 5 mm centers.

Food grade blue thermoplastic polyurethane with 90 Shore A protects the aramide 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 product 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\\_t5-a-05-en-us.pdf](http://www.habasit.com/productpdfs/doc/DoC_t5-a-05-en-us.pdf)



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: -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 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.

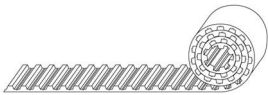
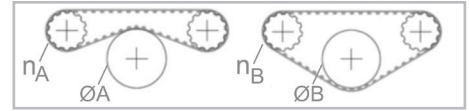
### Belt options

Description		ØA		n <sub>A</sub>	ØB		n <sub>B</sub>
		mm	inch		mm	inch	
Tooth side: unprocessed matrix material	U	30	1.18	15	30	1.18	12
Conveying side: unprocessed matrix material	U						

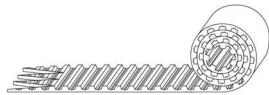
For **detailed material properties** (e.g. coefficient of friction, colors, etc) please contact your Habasit representative.

**A** = with counter flection

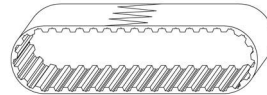
**B** = without counter flection



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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