

Main industry segments

Food and packaging

Belt applications

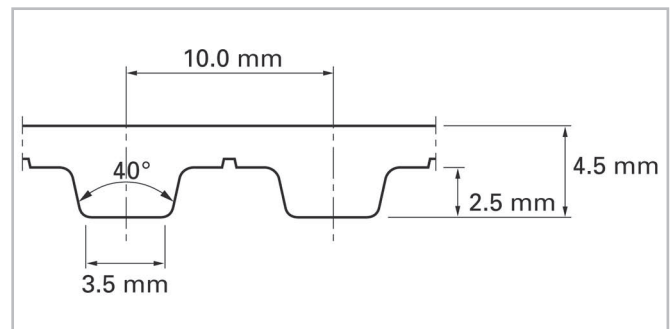
Food conveying, slicing machines, portioning lines, packaging lines, XY axis drives

Description

Trapezoid teeth with a 40° tooth angle are spaced on 10 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 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_t10-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 | 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: -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.

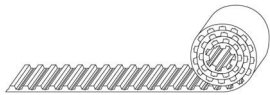
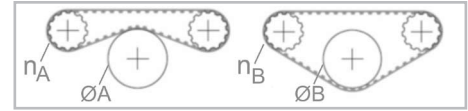
Belt options

| Description | | ØA | | n _A | ØB | | n _B |
|---|---|----|------|----------------|----|------|----------------|
| | | mm | inch | | mm | inch | |
| Tooth side: unprocessed matrix material | U | 60 | 2.36 | 20 | 60 | 2.36 | 12 |
| Conveying side: unprocessed matrix material | U | | | | | | |

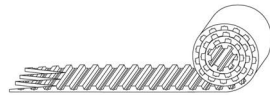
For **detailed material properties** (e.g. coefficient of friction, colors, etc) please contact your Habasit representative.

A = with counter flection

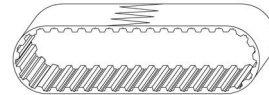
B = without counter flection



Open ended (O)



Prepared ends (P)



Joined endless (J)

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