

HabaSYNC® AT10-S-01 Heatmate



Main industry segments

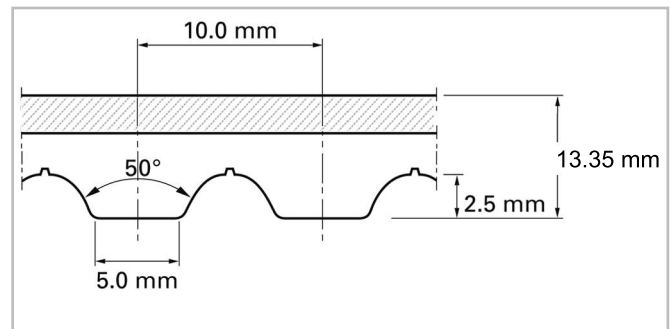
Materials handling

Belt applications

Conveying of aluminium extrusions, steel and glass products

Description

Trapezoid teeth with a 50° tooth angle are spaced on 10 mm centers. Standard 92 Shore A thermoplastic polyurethane with steel cord tensile member. With a yellow soft cover made of an aramide felt, 6.35 mm (0.25") thick. The non marking aramide cover provides temperature resistance up to 343 °C (650 °F) in continuous and 371 °C (700 °F) in intermittent applications.



Sketch of basic shape

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
25	0.98	3500	787	1750	393	8750	1967	0.15	0.10
50	1.97	7000	1574	3500	787	17500	3934	0.30	0.20
75	2.95	10500	2361	5250	1179	26250	5901	0.45	0.30
100	3.94	14000	3148	7000	1572	35000	7868	0.60	0.40

Belt width (max 100 mm / 4 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 with a belt elongation of 0.4%. Joined belts are calculated with half admissible force. Please contact Habasit for detailed information and calculations.

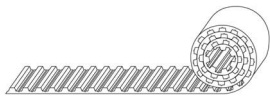
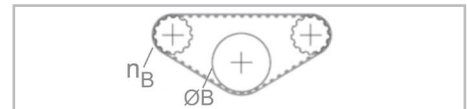
All data are approximate values under **standard climatic conditions**: 23 °C / 73 °F, 50% relative humidity (DIN 50005 / ISO 554), and are based on the Master Joining Method.

Belt options

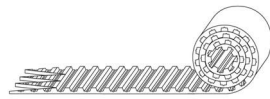
Description		ØB		n _B
		mm	inch	
Tooth side: unprocessed matrix material Conveying side: Heatmate	U HC	150	6	48
Tooth side: Polyamide 6 fabric, green Conveying side: Heatmate	PT HC	150	6	48

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

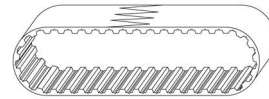
B = without counter flection



Open ended (O)



Prepared ends (P)



Joined endless (J)

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