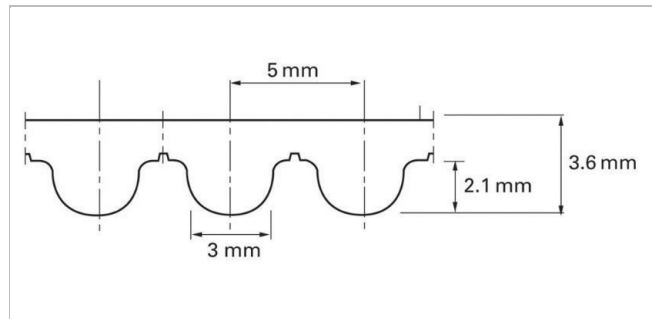
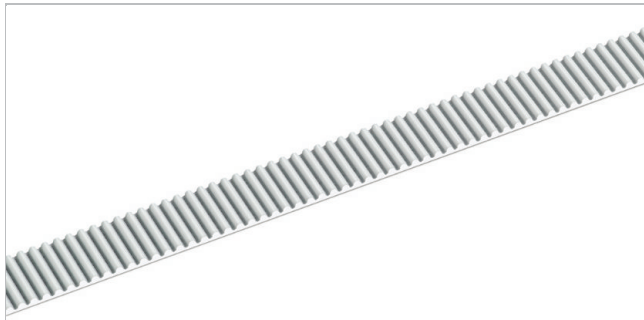


HabaSYNC Open-end Timing Belts 5M-S



Description

Metric, HTD shape, Curvilinear, 5 mm pitch, (Standard) steel cord



Sketch of basic shape

Product Construction / Design								
Material Type	Color	Hardness	Temperature range				Food grade ¹	Characteristic
			°C	°F	°C	°F		
01	White	92	-20	-4	80	176	No	TPU - polyester
06	Black	92	-20	-4	80	176	No	TPU - polyester

Standard belt options - Conveying side

Unprocessed (U), Green polyamide fabric (P), Antistatic black polyamide fabric (A)⁽²⁾, Black polyamide fabric (B)

Standard belt options - Teeth side

Unprocessed (U), Green polyamide fabric (P), Antistatic black polyamide fabric (A)⁽²⁾

⁽²⁾ Fulfills ISO 9563

Technical data									
Belt slitting 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	0.39	700	157	350	79	1750	393	0.04	0.03
15.0	0.59	1120	252	560	126	2800	629	0.05	0.04
25.0	0.98	1750	393	875	197	4375	984	0.09	0.06

Maximum belt width (150 mm / 6 inch).

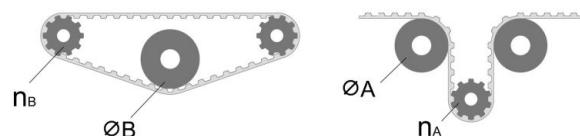
Belt versions with increased thickness are available on request. Please consider larger minimum pulley diameters.

The ultimate tensile strength (or breaking strength) for the widest slitting width mentioned above is 7410 N.

The admissible tensile force 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.

[Link to JDS:](#)

Technical data					
ØB		n _B	ØA		n _A
mm	inch		mm	inch	
25	0.98	16	60	2.36	16



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.

Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.



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