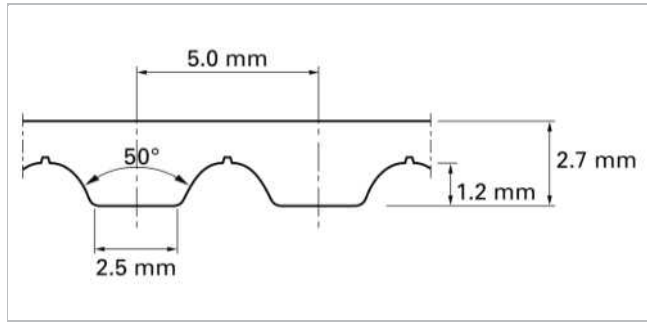
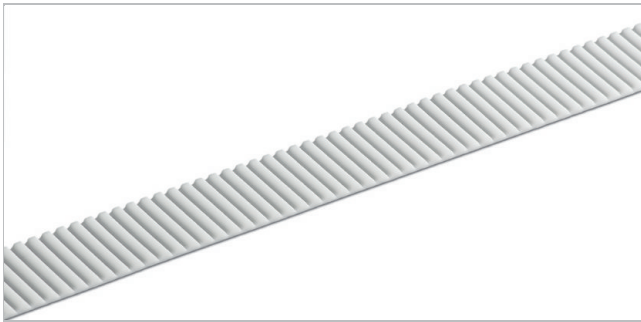


# HabaSYNC Open-end Timing Belts AT5-S



## Description

Metric, AT shape, Modified trapezoidal, 5 mm pitch, (Standard) steel cord



Sketch of basic shape

Product Construction / Design								
Material Type	Color	Hardness	Temperature range				Food grade <sup>1</sup>	Characteristic
			°C	°F	°C	°F		
01	White	92	-20	-4	80	176	No	TPU - polyester
02	Transparent	88	-20	-4	70	158	Yes	TPU - polyester
16	Transparent	85	-30	-22	80	176	Yes	TPU - polyester
06	Black	92	-20	-4	80	176	No	TPU - polyester

<sup>(1)</sup> This product is in compliance with relevant EU and/or US food contact requirements. Check the following link for detailed information [Documents of Compliance](#)

### Standard belt options - Conveying side

Unprocessed (U), Green polyamide fabric (P), Antistatic black polyamide fabric (A)<sup>(2)</sup>

### Standard belt options - Teeth side

Unprocessed (U), Green polyamide fabric (P), Antistatic black polyamide fabric (A)<sup>(2)</sup>

<sup>(2)</sup> 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
16.0	0.63	1360	306	680	153	3400	764	0.05	0.04
25.0	0.98	2080	468	1040	234	5200	1169	0.09	0.06

Maximum belt width (150 mm / 6 inch).

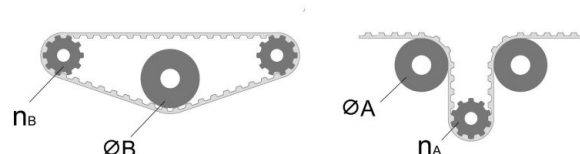
Belt versions with increased thickness are available on request. Please consider larger minimum pulley diameters.

**The ultimate tensile strength (or breaking strength)** for the widest slitting width mentioned above is 8110 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 <sub>B</sub>	ØA		n <sub>A</sub>
mm	inch		mm	inch	
25	0.98	15	60	2.36	25



# HabaSYNC Open-end Timing Belts AT5-S



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.

## **Disclaimer**

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

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