

Power Transmission Belts

A-4



Main industry segments

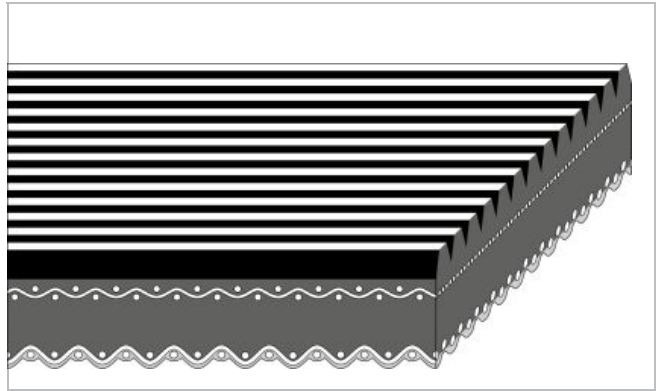
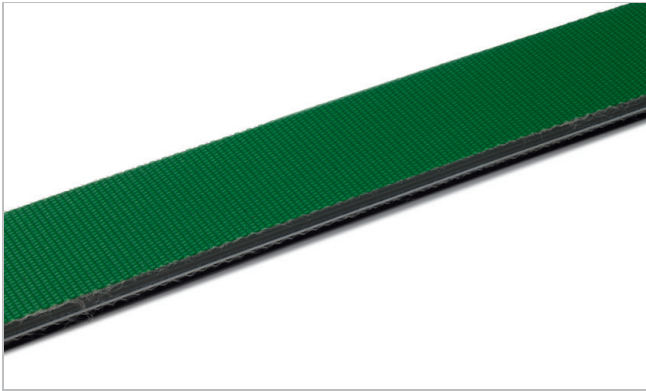
Various industries

Applications

Power transmission belt

Special features

Abrasion resistant, Forgiving in case of short term shock like overloads, Versatile, Robustness



Product Construction / Design	
Pulley side material	Acrylonitrile-Butadiene-Rubber (NBR)
Pulley side surface	Longitudinal groove structure
Pulley side color	Black
Traction layer (material)	Polyamide (PA)
Number of Fabrics	2
Opposite side material	Acrylonitrile-Butadiene-Rubber (NBR)
Opposite side surface	Impregnated fabric
Opposite side color	Green

Product characteristics	
Drive determination	One-sided power transmission
Antistatically equipped	Yes
Adhesive free joining method	No
Food suitability, FDA conformance	No
Food suitability, EU conformance	No

Technical data		
Thickness of belt	5.0 mm	0.20 inch
Mass of belt (belt weight)	5.3 kg/m ²	1.086 lb/sqft
Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013)	21 N/mm	120 lbf/in
Nominal peripheral force per unit of width	63 N/mm	360 lbf/in
Min. operating temperature admissible (continuous)	-20 °C	-4 °F
Max. operating temperature admissible (continuous)	100 °C	212 °F
Seamless manufacturing width	1140 mm	44.88 inch

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

Joining related properties

[Link to JDS:](#)

Joining method		Thermofix 75°
Pulley diameter (minimum)	mm <i>inch</i>	300 <i>11.81</i>
Pulley diameter minimum with counter flection	mm <i>inch</i>	300 <i>11.81</i>

Chemical resistance

Link to 'Chemical resistance information': <https://rims.habasit.com>

Mode of use or conveyance

Power transmission

Calculations

With power transmission belts a calculation at least of the belt width and initial elongation is highly recommended. For this serves the Habasit SeleCalc calculation program. The easiest way is to have belt drives calculated by Habasit representatives.

Recommendation

Observe the indications of the machine handbook from the machine manufacturers

Store spare belts in a cool and dry place and if possible in their original packaging. Protect spare belts from sunlight/UV-radiation/dust/dirt! Check Link for Storage requirements:

["https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"](https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf)

This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 2014/34/EU) and therefore is subject to user's analysis in the respective environment

Group	Polyamide Power Transmission Belts
Sub-Group	A Polyamide Power Transmission Belts
Item number	H010100321

Disclaimer

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

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