

Power Transmission Belts TCF-50HT



Main industry segments

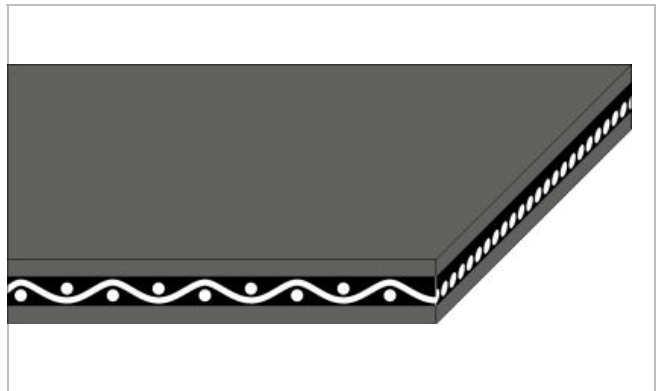
Distribution centers

Applications

Live roller drive belt

Special features

Abrasion resistant, Adhesive-free joint, Constant coefficient of friction, Dimensionally stable, Energy saving, High modulus of elasticity, Simple and fast joining method



Product Construction / Design	
Pulley side material	Thermoplastic polyurethane (TPU)
Pulley side surface	Fine textile structure
Pulley side color	Dark green
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Opposite side material	Thermoplastic polyurethane (TPU)
Opposite side surface	Fine textile structure
Opposite side color	Dark green

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

Technical data		
Thickness of belt	2.0 mm	0.08 inch
Mass of belt (belt weight)	2.4 kg/m ²	0.492 lb/sqft
Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013)	24 N/mm	137 lbf/in
Nominal peripheral force per unit of width	48 N/mm	274 lbf/in
Min. operating temperature admissible (continuous)	0 °C	32 °F
Max. operating temperature admissible (continuous)	70 °C	158 °F
Seamless manufacturing width	1100 mm	43.31 inch

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

Power Transmission Belts

TCF-50HT



Joining related properties

[Link to JDS:](#)

Joining method		Flexproof 10 x 120
Pulley diameter (minimum)	mm <i>inch</i>	60 2.36
Pulley diameter minimum with counter flection	mm <i>inch</i>	60 2.36

Chemical resistance

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

Mode of use or conveyance

Live roller drive

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

Follow the Installing and Maintenance Instructions which are supplied with each product delivery

Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging. 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)

Do not force belt on pulleys, Do not twist or fold belt, Keep belt edges free of any installation/machine contact, 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	Polyester Power Transmission Belts
Sub-Group	TCF Polyester Power Transmission Belts
Item number	H800006697

Disclaimer

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