

# Power Transmission Belts

## TF102-T



### Main industry segments

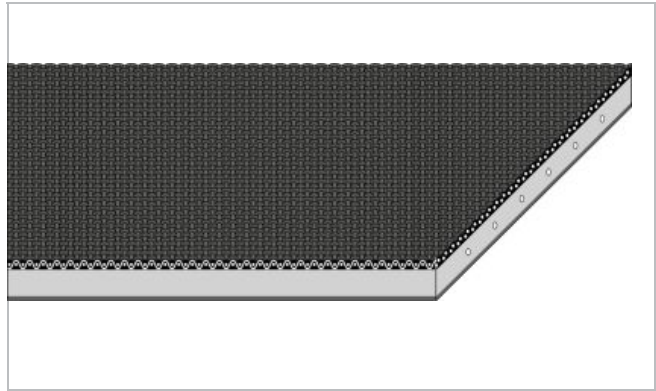
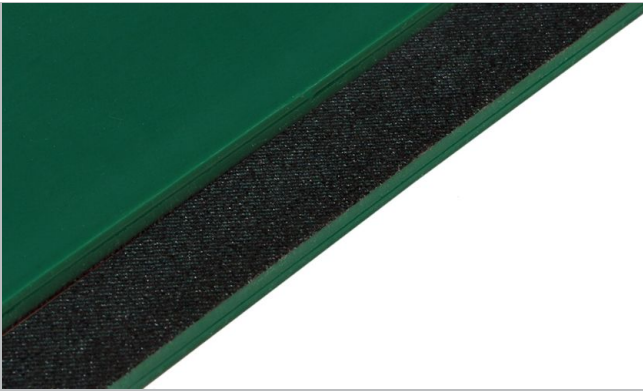
Distribution centers

### Applications

Live roller drive belt

### Special features

Abrasion resistant, Dimensionally stable, High modulus of elasticity, High tensile strength, Low initial tension



Product Construction / Design	
Pulley side material	Polyurethane thermoplastic (TPU) as friction cover (pulley/cylinder side)
Pulley side surface	Smooth
Pulley side property	Adhesive
Pulley side color	Green
Traction layer (material)	Aramid cords
Opposite side material	Polyamide (PA)
Opposite side surface	Fabric
Opposite side property	Non-adhesive
Opposite side color	Black

Product characteristics	
Drive determination	One-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	4.6 mm	0.18 inch
Mass of belt (belt weight)	5.2 kg/m <sup>2</sup>	1.070 lb/sqft
Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013)	105 N/mm	600 lbf/in
Nominal peripheral force per unit of width	38 N/mm	217 lbf/in
Min. operating temperature admissible (continuous)	-20 °C	-4 °F
Max. operating temperature admissible (continuous)	50 °C	122 °F
Seamless manufacturing width	152 mm	6.00 inch

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

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### Joining related properties

[Link to JDS:](#)

Joining method		Flexproof 10 x 120
Pulley diameter (minimum)	mm <i>inch</i>	102 4.00
Pulley diameter minimum with counter flection	mm <i>inch</i>	102 4.00

### Chemical resistance

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

### Mode of use or conveyance

Live roller drive

### Recommendation

Group	Aramid Power Transmission Belts
Sub-Group	TF Aramid Power Transmission Belts
Item number	H212000316

### Disclaimer

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

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