

# Power Transmission Belts

## TF-75TE



### Main industry segments

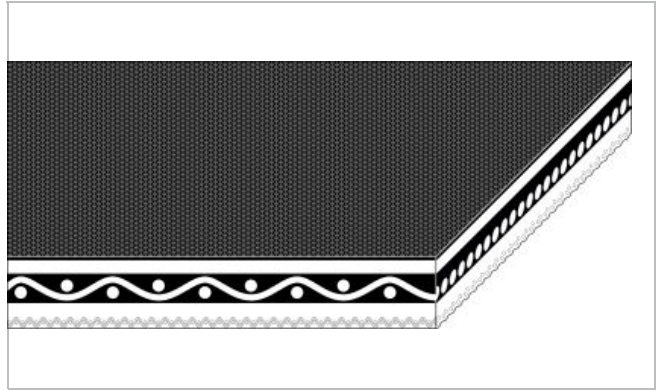
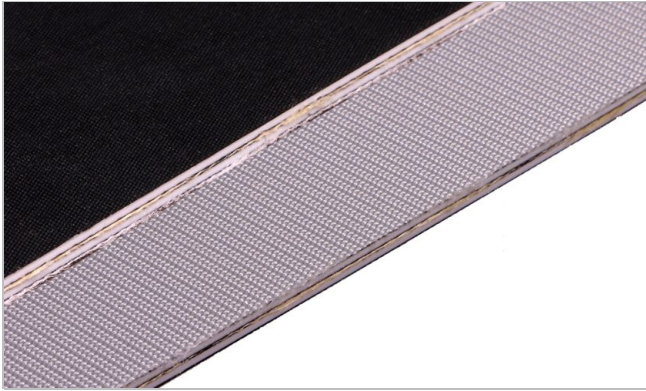
Distribution centers, Paper manufacturing and processing, Wood panel and boards

### Applications

Live roller drive belt, Power transmission belt

### Special features

Abrasion resistant, Dimensionally stable, Energy saving, High modulus of elasticity, Low initial tension, Simple and fast joining method



| Product Construction / Design |   |
|-------------------------------|---|
| Pulley side material          | Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side) |
| Pulley side surface           | Rough structure   |
| Pulley side color             | Black   |
| Traction layer (material)     | Aramid fabric   |
| Number of Fabrics             | 2   |
| Opposite side material        | Polyester (PET)   |
| Opposite side surface         | Fabric  |
| Opposite side color           | White   |

| 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  | 4.4 mm                | 0.17 inch     |
| Mass of belt (belt weight)   | 4.5 kg/m <sup>2</sup> | 0.922 lb/sqft |
| Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013) | 75 N/mm               | 428 lbf/in    |
| Nominal peripheral force per unit of width   | 75 N/mm               | 428 lbf/in    |
| Min. operating temperature admissible (continuous)   | -20 °C                | -4 °F         |
| Max. operating temperature admissible (continuous)   | 65 °C                 | 149 °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).

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### Joining related properties

[Link to JDS:](#)

| Joining method                                |                   | Flexproof<br>10 x 120 |
|---|-------------------|-----------------------|
| Pulley diameter (minimum)                     | mm<br><i>inch</i> | 200<br><i>7.87</i>    |
| Pulley diameter minimum with counter flection | mm<br><i>inch</i> | 200<br><i>7.87</i>    |

### Chemical resistance

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

### Mode of use or conveyance

Live roller drive, 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

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

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       | Aramid Power Transmission Belts    |
| Sub-Group   | TF Aramid Power Transmission Belts |
| Item number | H010100182                         |

### Disclaimer

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

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