

Power Transmission Belts

TF-33



Main industry segments

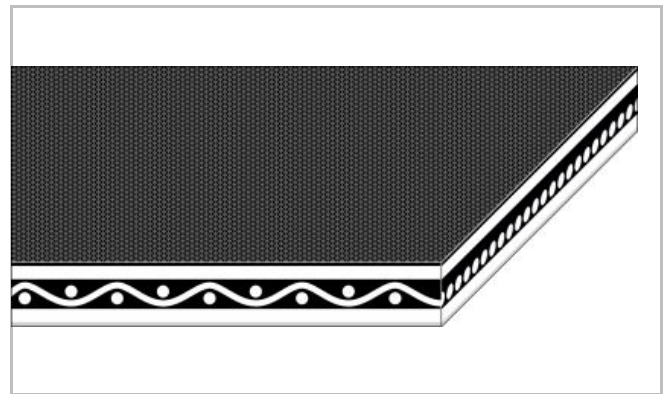
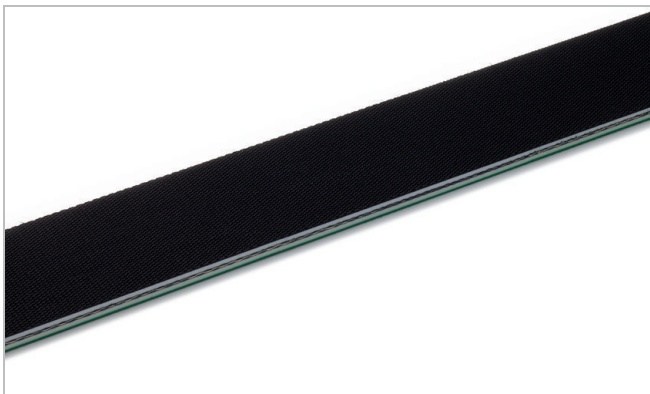
Paper manufacturing and processing, Yarn processing

Applications

Driving belt, Live roller drive belt, Tangential belt

Special features

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



| Product Construction / Design | |
|-------------------------------|--------------------------------------|
| Pulley side material | Acrylonitrile-Butadiene-Rubber (NBR) |
| Pulley side surface | Rough structure |
| Pulley side color | Black |
| Traction layer (material) | Aramid fabric |
| Number of Fabrics | 1 |
| Opposite side material | Acrylonitrile-Butadiene-Rubber (NBR) |
| Opposite side surface | Rough structure |
| Opposite side color | 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 | 3.0 mm | 0.12 inch |
| Mass of belt (belt weight) | 3.2 kg/m ² | 0.655 lb/sqft |
| Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013) | 33 N/mm | 188 lbf/in |
| Nominal peripheral force per unit of width | 33 N/mm | 188 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 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 | | Flexproof 10 x 120 |
|---|-------------------|-----------------------|
| Pulley diameter (minimum) | mm <i>inch</i> | 100 <i>3.94</i> |
| Pulley diameter minimum with counter flection | mm <i>inch</i> | 100 <i>3.94</i> |

Chemical resistance

Link to 'Chemical resistance information': <http://www.habasit.com/en/chemical-resistance.htm>

Mode of use or conveyance

Power transmission, Tangential 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

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit, 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.

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 94/9) and therefore is subject to user's analysis in the respective environment

| | |
|-------------|-------------------------------------|
| Group | Aramid Power Transmission Belts |
| Sub-Group | TF Aramide Power Transmission Belts |
| Item number | H010100341 |

Disclaimer

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

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