

Power Transmission Belts S-250HR



Main industry segments

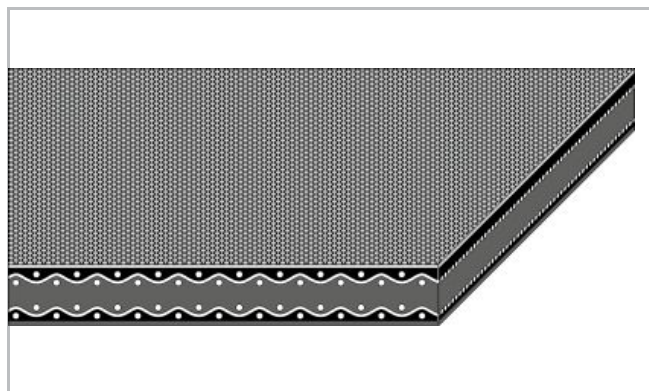
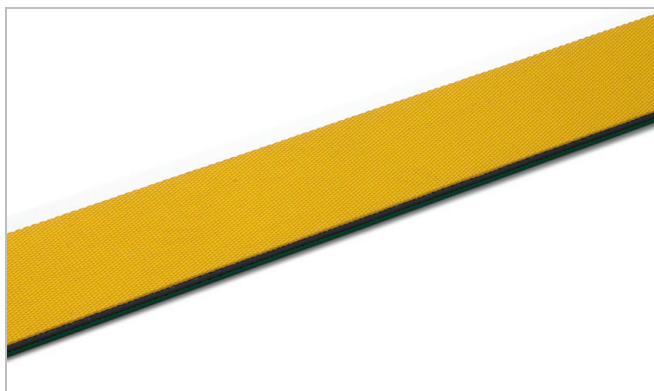
Yarn processing

Applications

Ring spinning frames, Tangential belt, Twisters and texturing machines

Special features

Abrasion resistant, Constant coefficient of friction, Dimensionally stable



| Product Construction / Design | |
|-------------------------------|-------------------------------------------------------------------------------|
| Pulley side material | Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side) |
| Pulley side surface | Rough structure |
| Pulley side color | Yellow |
| Traction layer (material) | Polyamide (PA) |
| Number of Fabrics | 2 |
| Opposite side material | Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side) |
| Opposite side surface | Rough structure |
| Opposite side color | Green |

| Product characteristics | |
|-----------------------------------|---------------------------------|
| Drive determination | Double-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 | 2.6 mm | 0.10 inch |
| Mass of belt (belt weight) | 2.9 kg/m ² | 0.594 lb/sqft |
| Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013) | 11 N/mm | 63 lbf/in |
| Nominal peripheral force per unit of width | 29 N/mm | 166 lbf/in |
| Min. operating temperature admissible (continuous) | -20 °C | -4 °F |
| Max. operating temperature admissible (continuous) | 100 °C | 212 °F |
| Seamless manufacturing width | 1200 mm | 47 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 | Unit | Thermofix |
|-----------------------------------------------|------|-----------|
| Pulley diameter (minimum) | mm | 100 |
| | inch | 3.94 |
| Pulley diameter minimum with counter flection | mm | 100 |
| | inch | 3.94 |

Chemical resistance

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

Mode of use or conveyance

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

Observe the indications of the machine handbook from the machine manufacturers

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.

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 | Polyamide Power Transmission Belts |
| Sub-Group | S Polyamide Power Transmission Belts |
| Item number | H010100218 |
| Customs tariff number | 40103900 |

Disclaimer

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

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