

# Power Transmission Belts

## A-5



### Main industry segments

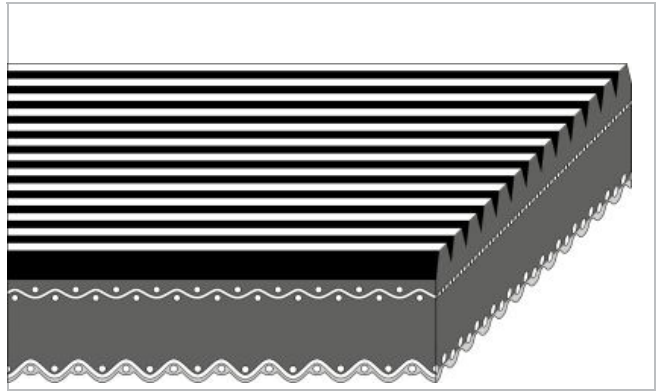
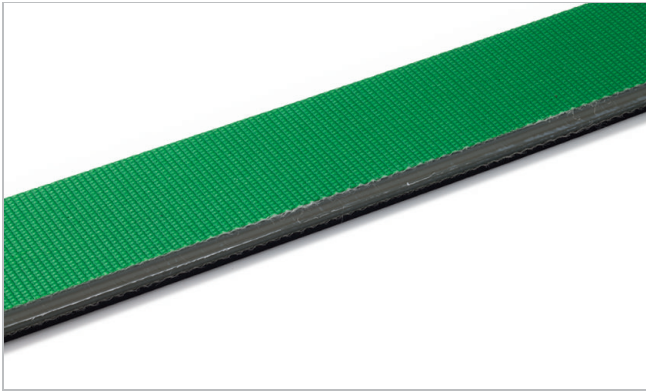
Various industries

### Applications

Power transmission belt

### Special features

Abrasion resistant, Forgiving in case of short term shock like overloads, Versatile, Robustness



| Product Construction / Design |                                      |
|-------------------------------|--------------------------------------|
| Pulley side material          | Acrylonitrile-Butadiene-Rubber (NBR) |
| Pulley side surface           | Longitudinal groove structure        |
| Pulley side color             | Black                                |
| Traction layer (material)     | Polyamide (PA)                       |
| Number of Fabrics             | 2                                    |
| Opposite side material        | Acrylonitrile-Butadiene-Rubber (NBR) |
| Opposite side surface         | Impregnated fabric                   |
| Opposite side color           | Green                                |

| Product characteristics           |                              |
|-----------------------------------|------------------------------|
| Drive determination               | One-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  | 6.8 mm                | 0.27 inch     |
| Mass of belt (belt weight)   | 7.3 kg/m <sup>2</sup> | 1.495 lb/sqft |
| Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013) | 30 N/mm               | 171 lbf/in    |
| Nominal peripheral force per unit of width   | 92 N/mm               | 525 lbf/in    |
| Min. operating temperature admissible (continuous)   | -20 °C                | -4 °F         |
| Max. operating temperature admissible (continuous)   | 100 °C                | 212 °F        |
| Seamless manufacturing width   | 1140 mm               | 44.88 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                                |                   | Thermofix<br>75° |
|---|-------------------|------------------|
| Pulley diameter (minimum)                     | mm<br><i>inch</i> | 450<br>17.72     |
| Pulley diameter minimum with counter flection | mm<br><i>inch</i> | 450<br>17.72     |

### Chemical resistance

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

### Mode of use or conveyance

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

Observe the indications of the machine handbook from the machine manufacturers

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       | Polyamide Power Transmission Belts   |
| Sub-Group   | A Polyamide Power Transmission Belts |
| Item number | H010100260                           |

### Disclaimer

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

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