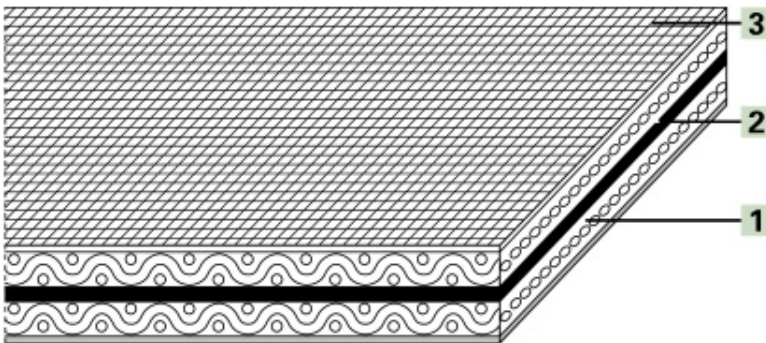


## Product Designation

|                         |  |
|-------------------------|--|
| Product Group:          | Polyamide power transmission belts   |
| Product Sub-Group:      | S tangential/flat belts  |
| Main Industry Segments: | Yarn processing  |
| Belt Applications:      | Ring spinning frames; twisters and texturing machines; Tangential belt     |
| Special Features:       | Abrasion resistant; Constant coefficient of friction; Dimensionally stable |
| Mode of Use/Conveyance: | Tangential drive   |

## Product Design (enlarged)



## Product Construction/Design

|   |   |
|---|---|
| 1 Friction cover/Pulley side (Material):          | Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side) |
| 1 Friction cover/Pulley side (Surface structure): | Rough structure   |
| 1 Friction cover/Pulley side (Color):             | Yellow  |
| 2 Traction Layer (Material):                      | Polyamide (PA)  |
| 3 Reverse cover (Material):                       | Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)           |
| 3 Reverse cover (Surface structure):              | Rough structure   |
| 3 Reverse cover (Color):                          | Green   |

## Product Characteristics

|                          |                                 |
|--------------------------|---------------------------------|
| Drive determination:     | Double-sided power transmission |
| Antistatically equipped: | Yes                             |

## Technical Data

|   |                          |                         |
|---|--------------------------|-------------------------|
| Thickness:  | 3.2 mm                   | 0.13 in.                |
| Mass of belt (belt weight):   | 3.6 kg/m <sup>2</sup>    | 0.74 lbs./sq.ft         |
| Pulley diameter (minimum):  | 150 mm                   | 6 in.                   |
| Pulley diameter minimum with counter flexion:   | 150 mm                   | 6 in.                   |
| Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013): | 14 N/mm                  | 80 lbs./in.             |
| Nominal peripheral force per unit of width:   | 38 N/mm                  | 217 lbs./in.            |
| Operating temperature admissible (continuous):  | Min -20 °C<br>Max 100 °C | Min -4 °F<br>Max 212 °F |
| Seamless manufacturing width:   | 1200 mm                  | 47 in.                  |

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

## Additional Technical Information

|  |   |
|--|---|
| <b>Chemical Resistance Class:</b>              | 2 (These indications are not guarantees of properties)  |
| <b>Installation and Handling Instructions:</b> | Observe the indications of the machine handbook from the machine manufacturers.   |
| <b>Limitations:</b>                            | 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. |

## Storage

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.

## Legend

|            |   |
|------------|---|
| <b>*</b>   | No calculation Value  |
| <b>3)</b>  | CLA: Coordination of the centre line-average value Ra (in the US also Arithmetical Average (AA)) to the maximum peak to valley height Rt for surfaces manufactured by chip removal. |
| <b>8)</b>  | Due to high coefficient of friction of running/pulley side, the suitability for use on slider beds is limited   |
| <b>EEC</b> | European Economic Community   |
| <b>NA</b>  | Not available   |
| <b>NAP</b> | Not applicable  |

## Product Liability, Application Considerations

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