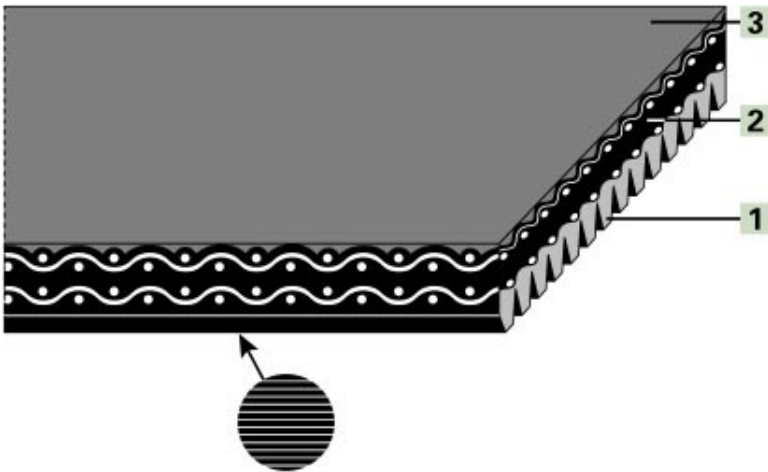


## Product Designation

|                         |                                    |
|-------------------------|------------------------------------|
| Product Group:          | Polyamide power transmission belts |
| Product Sub-Group:      | A-Flat belts                       |
| Main Industry Segments: | Various industries                 |
| Belt Applications:      | Power transmission belt            |
| Special Features:       | Abrasion resistant                 |
| Mode of Use/Conveyance: | Power transmission                 |

## Product Design (enlarged)



## Product Construction/Design

|   |                                      |
|---|--------------------------------------|
| 1 Friction cover/Pulley side (Material):          | Acrylonitrile-Butadiene-Rubber (NBR) |
| 1 Friction cover/Pulley side (Surface structure): | Longitudinal groove structure        |
| 1 Friction cover/Pulley side (Color):             | Black                                |
| 2 Traction Layer (Material):                      | Polyamide (PA)                       |
| 3 Reverse cover (Material):                       | Acrylonitrile-Butadiene-Rubber (NBR) |
| 3 Reverse cover (Surface structure):              | Rough structure                      |
| 3 Reverse cover (Color):                          | Green                                |

## Product Characteristics

|                         |                              |
|-------------------------|------------------------------|
| Drive determination:    | One-sided power transmission |
| Permanently antistatic: | Yes                          |

## Technical Data

|  |                          |                         |
|--|--------------------------|-------------------------|
| <b>Thickness:</b>  | 3.4 mm                   | 0.13 in.                |
| <b>Mass of belt (belt weight):</b>   | 3.5 kg/m <sup>2</sup>    | 0.72 lbs./sq.ft         |
| <b>Pulley diameter (minimum):</b>  | 125 mm                   | 5 in.                   |
| <b>Pulley diameter minimum with counter flexion:</b>   | 125 mm                   | 5 in.                   |
| <b>Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013):</b> | 12 N/mm                  | 69 lbs./in.             |
| <b>Nominal peripheral force per unit of width:</b>   | 36 N/mm                  | 206 lbs./in.            |
| <b>Operating temperature admissible (continuous):</b>  | Min -20 °C<br>Max 100 °C | Min -4 °F<br>Max 212 °F |
| <b>Seamless manufacturing width:</b>   | 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. |

## Legend

|     |   |
|-----|---|
| *   | No calculation Value  |
| 3)  | 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. |
| 8)  | Due to high coefficient of friction of running/pulley side, the suitability for use on slider beds is limited   |
| EEC | European Economic Community   |
| NA  | Not available   |
| NAP | Not applicable  |

## Product Liability, Application Considerations

If the proper selection and application of Habasit products are not recommended by an authorized Habasit sales specialist, the selection and application of Habasit products, including the related area of product safety, are the responsibility of the customer. All indications / information are recommendations and believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to their accuracy or suitability for particular applications. The data provided herein are based on laboratory work with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experiences can lead to modifications and changes within a short time without prior notice.

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