

Elastic round belts

E-RB-F

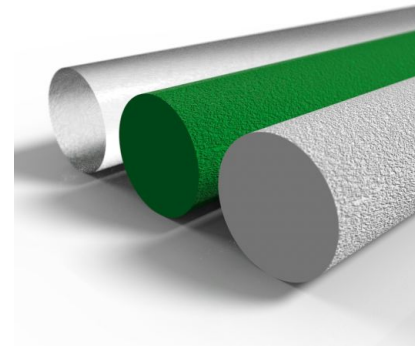


Main application

Live roller drive belt, Power transmission belt

Description

Elastic, Monolithic Belt, Flexibility in all directions



Product data

| Technical data | |
|--|---------------|
| Material type | TPU Polyester |
| Hardness | 85 ShA |
| Temperature correction factor | 0.85 |
| Min. operating temperature admissible (continuous) | -10 °C |
| Max. operating temperature admissible (continuous) | 60 °C |
| Coefficient of friction on steel | 0.40 |

| Code | Item number | Color | Food grade | DoC Name | Ø | Package | Quantity | Units | Weight | Weight (i) |
|----------------|-------------|-------------|------------|----------|----|---------|----------|-------|--------|------------|
| | | | | | mm | | | | kg | lb |
| E-RB03-FW-C300 | H090031143 | White | Yes | FW | 3 | Coil | 300 | M | 0.008 | 0.0 |
| E-RB04-FW-C250 | H090031144 | White | Yes | FW | 4 | Coil | 250 | M | 0.015 | 0.0 |
| E-RB05-FT-C250 | H950028470 | Transparent | Yes | FT | 5 | Coil | 250 | M | 0.024 | 0.1 |
| E-RB05-FW-C250 | H090031145 | White | Yes | FW | 5 | Coil | 250 | M | 0.024 | 0.1 |
| E-RB06-FW-C250 | H090031146 | White | Yes | FW | 6 | Coil | 250 | M | 0.034 | 0.1 |
| E-RB07-FW-C200 | H090031147 | White | Yes | FW | 7 | Coil | 200 | M | 0.046 | 0.1 |
| E-RB08-FT-C200 | H950028531 | Transparent | Yes | FT | 8 | Coil | 200 | M | 0.060 | 0.1 |
| E-RB08-FW-C200 | H090031148 | White | Yes | FW | 8 | Coil | 200 | M | 0.060 | 0.1 |
| E-RB10-FW-C100 | H090031149 | White | Yes | FW | 10 | Coil | 100 | M | 0.094 | 0.2 |
| E-RB12-FW-C100 | H090031150 | White | Yes | FW | 12 | Coil | 100 | M | 0.136 | 0.3 |
| E-RB15-FW-C50 | H090031151 | White | Yes | FW | 15 | Coil | 50 | M | 0.212 | 0.5 |
| E-RB18-FG-C50 | H950028697 | Green | Yes | FG | 18 | Coil | 50 | M | 0.305 | 0.7 |

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

| Code | Tensile force for 8% elongation (k8% static) (Habasit Standard SOP3-155 / EN ISO 21181): | Tensile force for 8% elongation after relaxation (k8% relaxed) (Habasit Standard SOP3-155 / EN ISO 21181): | Nominal peripheral force | Pulley diameter (minimum) |
|----------------|--|--|--------------------------|---------------------------|
| | N | N | N | mm |
| E-RB03-FW-C300 | 13 | 9 | 15 | 30 |
| E-RB04-FW-C250 | 23 | 15 | 27 | 40 |
| E-RB05-FT-C250 | 36 | 24 | 42 | 50 |
| E-RB05-FW-C250 | 36 | 24 | 42 | 50 |
| E-RB06-FW-C250 | 52 | 34 | 61 | 60 |
| E-RB07-FW-C200 | 70 | 46 | 83 | 70 |
| E-RB08-FT-C200 | 92 | 61 | 108 | 80 |
| E-RB08-FW-C200 | 92 | 61 | 108 | 80 |
| E-RB10-FW-C100 | 143 | 95 | 169 | 100 |
| E-RB12-FW-C100 | 206 | 136 | 244 | 120 |
| E-RB15-FW-C50 | 322 | 213 | 381 | 150 |
| E-RB18-FG-C50 | 464 | 307 | 548 | 180 |

Chemical resistance

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

Recommendation

General dimensional tolerance: $\pm 3\%$ or ± 0.20 mm (whichever is greater).

Disclaimer

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