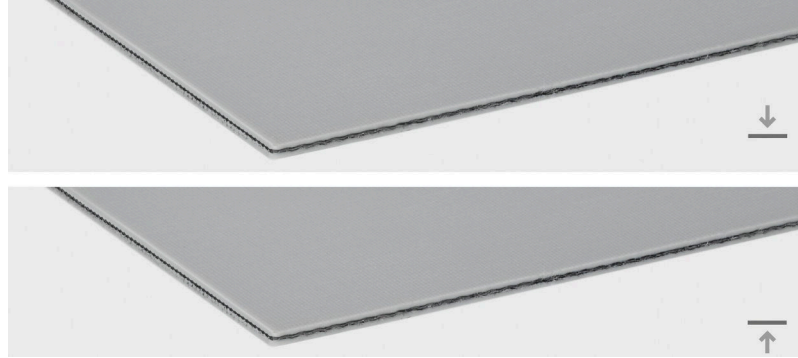


### Product Data Sheet

# RR 12E-14 HC+ FSTR grey



Art. No.: 822156

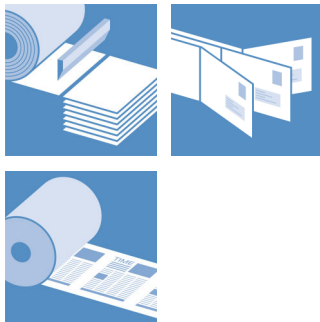
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### Applications

|                                       |  |
|---------------------------------------|--|
| <b>Packaging</b>                      | Packaging machines   |
| <b>Paper Manufacturing</b>            | Cross-cutters (paper, cardboard, plastic film);<br>Tissue industry; Tube winders |
| <b>Paper Manufacturing, Packaging</b> | Carrier belt for paper and packaging   |
| <b>Postal</b>                         | Letter sorting machines  |
| <b>Printing</b>                       | Post press (compensating stackers,<br>bundlers)                                  |
| <b>Application Group</b>              | Machine Tapes  |

### Order information

|  |                    |
|--|--------------------|
| <b>Article number</b>  | 822156             |
| <b>Standard delivery width</b>   | 450 mm / 17.72 in  |
| <b>Maximal delivery width (without<br/>longitudinal seam) on request</b> | 1350 mm / 53.15 in |



### RR 12E-14 HC+ FSTR grey

#### Construction

|                            |                                   |
|----------------------------|-----------------------------------|
| Surface material top face  | Medium Grip                       |
| Surface pattern            | Fine texture                      |
| Color                      | Grey                              |
| Surface material underside | MediumGrip                        |
| Surface pattern            | Fine texture                      |
| Color                      | Grey                              |
| Tension member material    | Polyester fabric, highly flexible |

#### Technical data

|  |   |
|--|---|
| Total thickness  | 1.4 mm $\pm$ 0.1<br>0.055 in $\pm$ 0.004            |
| Weight   | 1.45 kg/m <sup>2</sup><br>0.297 lbs/ft <sup>2</sup> |
| Fw' at 1 % elongation at fitting   | 12 N/mm / 68.52 lbf/in                              |
| Relaxed specific shaft load at 1 % elongation at fitting and 180° arc of contact in N/mm belt width. |   |
| k1% value relaxed  | 6 N/mm / 34.26 lbf/in                               |
| Nominal effective pull (Fu',Nenn)  | 8 N/mm  |
| Recommended Elongation at fitting min.   | 0.3 %   |
| Recommended Elongation at fitting max.   | 2 %   |
| Friction coefficient of top face against steel panel according to internal test instruction          | 1.6   |
| Friction coefficient of underside against steel panel according to internal test instruction         | 1.6   |
| Permissible operating temperature  | -20/70 °C<br>-4/158 °F                              |

### RR 12E-14 HC+ FSTR grey

#### Properties

|  |     |
|--|-----|
| Troughable   | No  |
| Suitable for accumulation  | No  |
| One or two sides with non-marking properties for sensitive goods | Yes |
| Very high abrasion-resistant                                     | Yes |
| Improved ageing resistance                                       | Yes |
| Not sensitive to climatic fluctuation                            | Yes |

#### Electrostatic properties

|                    |  |
|--------------------|--|
| Highly conductive+ | Belt material with electrically conductive antistatic agents. Conductive top face and conductive driving face, in addition also conductive in vertical direction. Resistance of the conductive surfaces (ROA) $< 3 \times 10^8 \Omega$ , vertical resistance (RD) $< 1 \times 10^8 \Omega$ . Measurement according DIN EN ISO 21178. |
|--------------------|--|

#### Fabrication

|                       |            |
|-----------------------|------------|
| Belt edge sealing     | Smartseal  |
| Profiles on top face  | On request |
| Profiles on underside | On request |

#### Minimum drum diameter

|   |                |
|---|----------------|
| Mechanical fasteners                      |                |
| Z- splice - 35 x 11,5 mm, counter-bending | 14 mm / 0.6 in |
| Z- splice - 35 x 5,75 mm, counter-bending | 14 mm / 0.6 in |

#### Remarks

Grip Star (TM) is offered as High Grip or Medium Grip in different thicknesses and with appropriate surface structures. The belts are suitable, especially if a good grip-level, exact positioning, high acceleration or rapid deceleration is needed.

Flash Star (TM) belts support an ESD compliant system due to their excellent conductivity in all three spatial directions. Undesired effects could be avoided, e. g. adhesion between the conveyed goods, pollution, electrostatic shocks.

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The physical data in this data sheet is approximate, can alter depending on production environments. The belts should be stored under normal ambient conditions climate (23 °C, 50 % humidity) as per DIN EN ISO 291. Fluctuations in climate can cause variations. See our brochure "Compendium Flat Belts" no. 333 which shows the types of belts that can be supplied and the manufacturing tolerances. Customised types require written confirmation.

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