

Technical data

SOLUTUS® Endless-Leather and fleece belts

Solutus- flat belts consist of endlessly wound polyester yarns on a basis of leather or fleece plies.

Standard-Types: LP running side leather / cover PU red
 LL running side leather / cover leather
 VP running side fleece / cover PU red
 VV running side fleece / cover fleece

Special design: LP 63 S running side leather / cover PU, steel cord wound
 LL 63 S running side leather /cover leather, steel cord wound

Dimensions: Length 700 – 7000 mm
 Width 5 – 200 mm

| Type | Force at 1 % elongation | Thickness | Minimum pulley diameter |
|---------|----------------------------|-----------|----------------------------|
| | [N / cm] | [mm] | [mm] |
| LP 06 E | 80 | 2.0 | 30 |
| LP 09 E | 180 | 2.2 | 40 |
| LP 15 E | 270 | 2.5 | 50 |
| LL 06 E | 80 | 3.0 | 50 |
| LL 09 E | 180 | 3.2 | 70 |
| LL 15 E | 270 | 3.7 | 90 |
| VP 06 E | 80 | 1.2 | 20 |
| VP 09 E | 180 | 1.4 | 30 |
| VP 15 E | 270 | 1.7 | 40 |
| VV 06 E | 80 | 2.5 | 50 |
| VV 09 E | 180 | 2.7 | 70 |
| LP 63 S | 2400 | 2.5 | 100 |
| LL 63 S | 2400 | 3.5 | 150 |

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Approx. power transmission (kW/cm belt width)

| Belt speed | Type 06 | Type 09 | Type 15 |
|------------|-------------|-------------|-------------|
| [m / s] | [kW / cm] | [kW / cm] | [kW / cm] |
| 1 | 0.10 | 0.15 | 0.20 |
| 2 | 0.20 | 0.28 | 0.45 |
| 3 | 0.28 | 0.40 | 0.62 |
| 4 | 0.37 | 0.52 | 0.90 |
| 5 | 0.44 | 0.67 | 1.11 |
| 6 | 0.55 | 0.82 | 1.26 |
| 7 | 0.63 | 0.96 | 1.48 |
| 8 | 0.68 | 1.11 | 1.63 |
| 9 | 0.78 | 1.26 | 1.85 |
| 10 | 0.89 | 1.33 | 2.07 |
| 12 | 1.11 | 1.63 | 2.45 |
| 14 | 1.24 | 1.85 | 2.95 |
| 16 | 1.33 | 2.05 | 3.30 |
| 18 | 1.55 | 2.30 | 3.55 |
| 20 | 1.78 | 2.75 | 4.15 |
| 25 | 2.20 | 3.30 | 5.10 |
| 30 | 2.75 | 3.80 | 6.30 |

Pretension: 0.8 – 1.0 %