

Product range



siegling linpack

folder and carrier belts

Siegling Linpack folder and carrier belts ...

with Linatex coating excel due to:

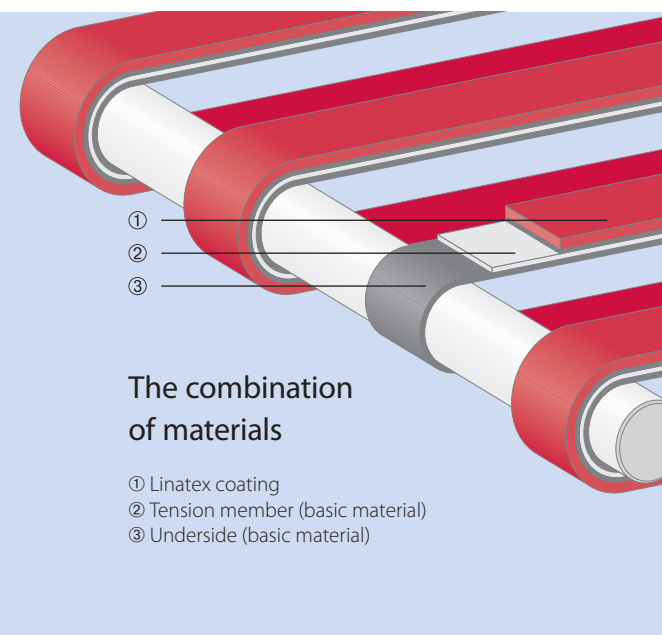
- their exceptional grip
- high friction coefficient
- high level of abrasion resistance and
- compressibility.

These properties mean that Linatex coated belts have a vastly longer service life than conventional belts.

The belts are often perforated to provide even better grip of individual cardboard boxes in folder-glueers. For calibrated feeder belts (when operating as a set) a ground version can also be supplied.

The Siegling Linpack range is continually being added to with innovative developments tailored to meet market demands.





The combination of materials

- ① Linatex coating
- ② Tension member (basic material)
- ③ Underside (basic material)

Series

There are two series of Siegling Linpack belts differing in their basic material.

The R and U types are manufactured with an Siegling Extremultus material base and are ground as a standard. U types are made of a fully elastic polyurethane material and do not require any special tensioning device. R and U types are chiefly used:

- as feeder belts in box folding, labelling and creasing machines
- as accelerator belts in tin plate processing
- in packaging and glueing machines.

T types are manufactured with a Siegling Transilon material base and are not ground as a standard. (Surface grinding on request).

T types are mostly used:

- as folder belts for heavy-duty folders in the heavy cardboard and corrugated cardboard industry
- as conveyor belts with high friction coefficient.

Technical data, properties and recommendations

Product range

| | Antistatic | Total thickness non-ground ²⁾ from/to [mm] | Total thickness ground ³⁾ from/to [mm] | F _w -value approx. [N/mm width] | Effective pull at 1% elongation (k _{1%} relaxed) [N/mm width]* |
|-----------------------------------|------------|--|--|--|--|
| Feeder/folder belts | | | | | |
| RT 6-L ¹⁾ light red | ● | | 3 – 8 | 6 | – |
| R 6-L ¹⁾ light red | ● | | 3 – 8 | 6 | – |
| R 10/2-L ¹⁾ light red | ● | | 4 – 8 | 10 | – |
| R 10/3-L ¹⁾ light red | ● | | 8 – 15 | 10 | – |
| UU | | | | | |
| UU 20 U-L ¹⁾ light red | ● | | 4 – 7 | 4) | – |
| UU 60 U-L ¹⁾ light red | ● | | 8 – 12 | 4) | – |
| Folder and carrier belts | | | | | |
| T1-L ¹⁾ light red | ● | 3.5 – 7.0 | | – | 5) |
| T2-L ¹⁾ light red | ● | 5.0 – 12.5 | | – | 5) |

Dimensions available

| | Min. length [mm] | Max. length [mm] | Min. width [mm] | Max. width [mm] |
|--------------------|------------------|------------------|-----------------|-----------------|
| R types | 400 | 30 000 | 10* | 500 |
| T types non-ground | 1500 | 50 000 | 10* | 1500 |
| T types ground | 1500 | 30 000 | 10* | 900 |

Other dimensions on request.

* Minimum order width 100 mm for manufacturing reasons. Can be divided up into widths of at least 10 mm (minimum order amount = 10).

R and U types are ground as a standard. If higher degrees of accuracy are required (calibrated feeder belts and belt sets) a ground Linatex coating can be supplied for T types.

Production tolerances

R types

| Length | |
|-----------------|-----------|
| 300 – 5000 mm | ± 0.50 % |
| 5000 – 15000 mm | ± 0.30 % |
| over 15000 mm | ± 0.20 % |
| Width | |
| 10 – 50 mm | ± 1.0 mm |
| 50 – 120 mm | ± 2.0 mm |
| 120 – 500 mm | ± 3.0 mm |
| Thickness | |
| | ± 0.25 mm |

Production tolerances

T types

| Length | |
|-----------------|-----------|
| 700 – 1500 mm | ± 0.80 % |
| 1500 – 2500 mm | ± 0.50 % |
| 2500 – 5000 mm | ± 0.40 % |
| 5000 – 10000 mm | ± 0.30 % |
| over 10000 mm | ± 0.20 % |
| Width | |
| 10 – 200 mm | ± 2.0 mm |
| 200 – 600 mm | ± 4.0 mm |
| 600 – 1400 mm | ± 6.0 mm |
| Thickness | |
| | ± 0.25 mm |

| Shore A hardness of the top face | d _{min} approx. [mm] ^{***} | Operational temperature allowed [°C] | Possible applications | | | | | | | | | | | |
|----------------------------------|--|--------------------------------------|-----------------------|-------------------|----------|------------------|-------------|--------------------|----------------------|---------------|-------------------------------|---------------------|--|---------|
| | | | Labelling machines | Punching machines | Stackers | Glueing machines | Box folders | Packaging machines | Tin plate processing | Heavy cartons | Corrugated cardboard industry | Paper and cardboard | Paper processing/ Printing industry | Feeders |
| 38 – 40 | 30/65 | +10/+70 | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● |
| 38 – 40 | 30/65 | +10/+70 | | ● | | | | ● | ● | | ● | ● | ● | ● |
| 38 – 40 | 40/65 | +10/+70 | ● | ● | | | | ● | | | ● | ● | ● | ● |
| 38 – 40 | 65/120 | +10/+70 | ● | | ● | | | ● | | | ● | | | |
| 38 – 40 | 30/60 | +10/+70 | ● | | | | | ● | | | ● | | ● | |
| 38 – 40 | 30/100 | +10/+70 | ● | | | | | ● | | | ● | | | |
| 38 – 40 | 40/60 | +10/+70 | ● | ● | ● | | | ● | ● | | ● | | ● | ● |
| 38 – 40 | 100 | +10/+70 | ● | ● | ● | ● | | ● | ● | | ● | | ● | ● |

Available as

The series are available as follows:

- endless
- as roll material
- with mechanical fasteners (only T types)

Perforations from ø 4 mm and above are possible. Please enquire.
Special coatings on request.

Storage

- Siegling Linpack belts
- do not expose to sunlight/daylight
- store in original packaging in a cool and not too dry place

Resistances

Siegling Linpack belts are not resistant to oil and grease. They have a limited resistance to chemicals.
Please enquire.

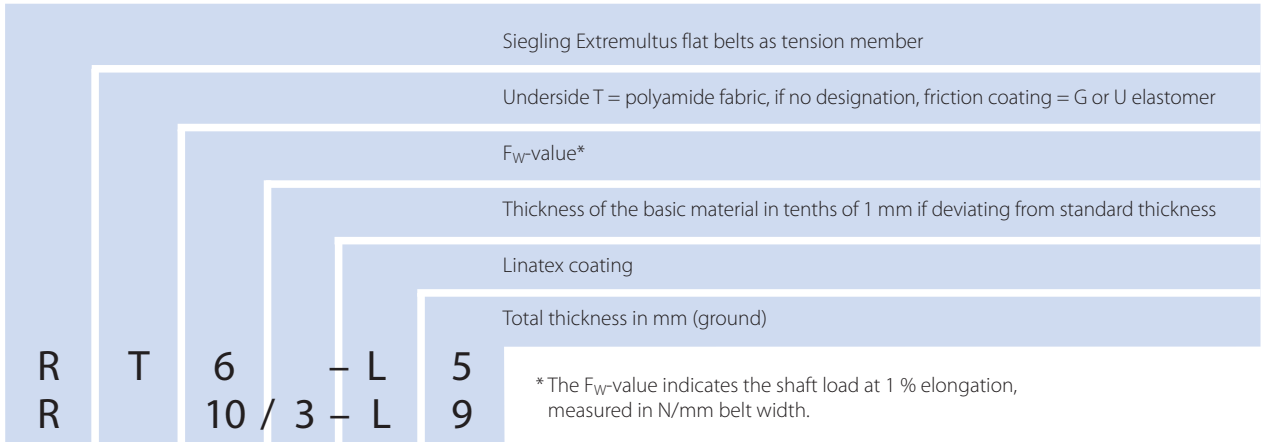
Legend

- ¹⁾ When ordering please indicate the total thickness after the coating letter L or U, e.g. R 10/2 – L 8.
 - ²⁾ The following thicknesses are possible in the non-ground version:
T 1 – L = 3.5/4.5/6/7 mm
T 2 – L = 5/6.5/8.5/9.5/10.5/12.5 mm
 - ³⁾ Within the total thickness a graduation in one tenth of 1 mm is possible.
 - ⁴⁾ Depending on the thickness of the coating. Elongation at fitting:
6 % (UU 20 U – L) or 4 % (UU 60 U – L).
 - ⁵⁾ On request
- * Established in line with ISO 21181:2005
** Shaft load at 1 % elongation, measured in N/mm belt width.
*** The smallest permissible pulley (or roller) diameters depend on the belt thickness and were established at normal ambient conditions. Low temperatures or particularly low humidity require larger diameters.

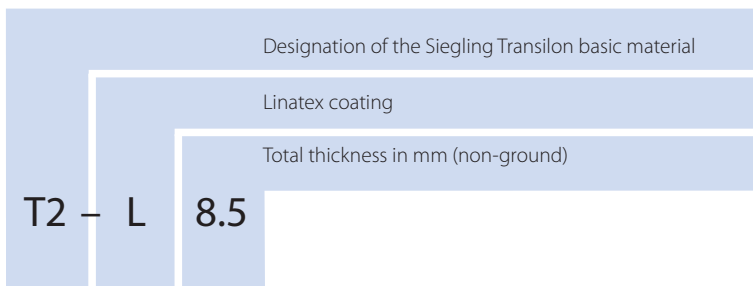


MOVEMENT SYSTEMS

Type key – R types



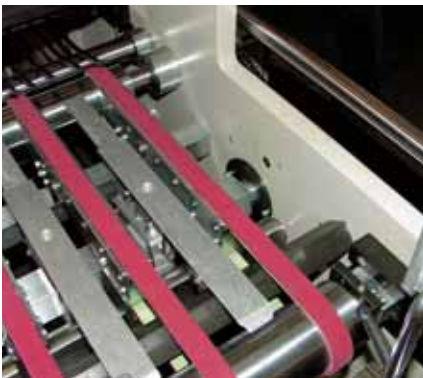
Type key – T types



Abbreviations

| Coating | |
|-----------|--|
| L | top face Linatex (natural rubber) |
| Underside | |
| T1 | friction layer urethane impregnated polyester fabric |
| T2 | friction layer urethane impregnated polyester fabric |
| UU | fully elastic basic urethane material |

Examples of usage



Discharge section for cardboard.



Siegling Linpack belts in use on letter sorters.



Vacuum-aided discharge of cardboard with perforated Siegling Linpack belts.

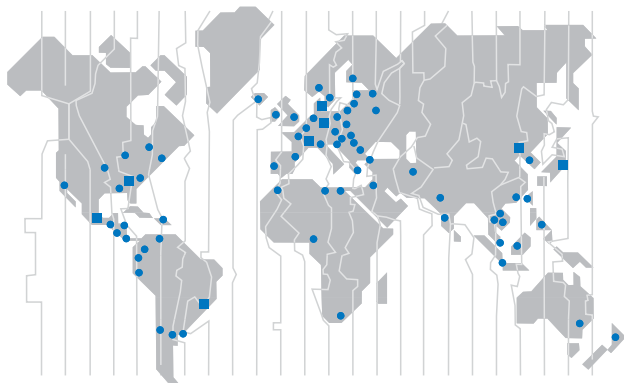


Accelerator belt for the discharge of stacked material in the manufacture of folded drinks cartons.

Siegling – total belting solutions

Committed staff, quality-orientated organisation and production processes ensure the constantly high standards of our products and services. The Forbo Siegling Quality Management System is certified in accordance with DIN EN ISO 9001:2000.

In addition to product quality, environmental protection is an important corporate goal. Early on we also introduced an environmental management system, certified in accordance with ISO 14001.



Forbo Siegling Service – anytime, anywhere

In the company group, Forbo Siegling employs more than 1900 people worldwide. Our production facilities are located in eight countries; you can find companies and agencies with stock and workshops in more than 50 countries. Forbo Siegling service centres provide qualified assistance at more than 300 locations throughout the world.