

# Product range



## siegling linpack

folder and carrier belts

## Siegling Linpack folder and carrier belts ...

are extremely durable with Linatex coating.  
Product characteristics that include:

- superb grip and
- very good resistance to abrasion

are the key to ensuring reliable and consistent processes.

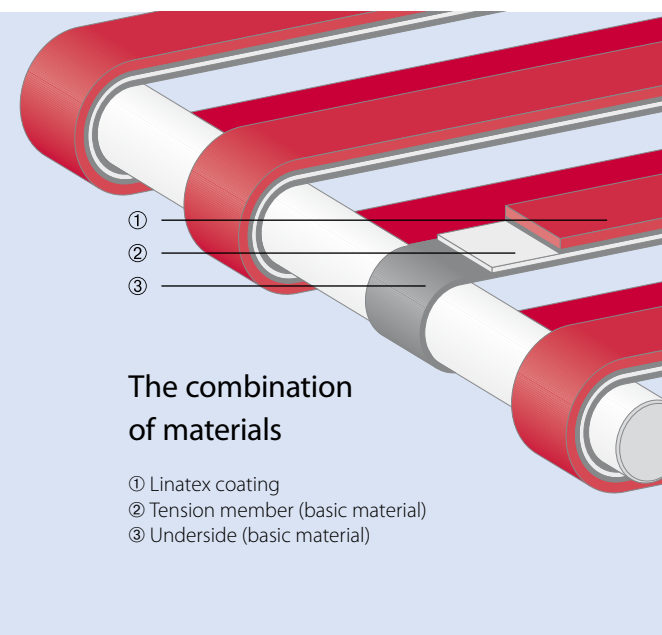
Grip can be enhanced by adding perforations to the belt and creating a vacuum.

Up to widths of 500 mm all the belts are supplied ground.

In addition to Linatex, coatings like Linatrilite, Sylomer, Vulcocell, Sponge and Polyurethane are also possible. For more information, please see our overview of the timing belt Siegling Proposition range (ref. no. 245, pages 10/11).

The Siegling Linpack range is constantly updated with innovative developments tailored to market demand.





## 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 a 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 letter sorters
  - in box folding/folder gluers
  - for corrugated (FFG Flexo Folder Gluer)
  - in window patching machines
  - in labelling machines
- as accelerator belts in tin plate processing
- in packaging machines.

T types are manufactured with a Siegling Transilon material base and are mostly used as:

- folder belts for corrugated industry (FFG Flexo Folder Gluer)
- conveyor belts with very high friction coefficient.

## Technical data, properties and reco

## Product range

|   | Antistatic | Total thickness <sup>2) 3)</sup> from/to [mm] | F <sub>w</sub> -value approx. [N/mm width] <sup>1)**</sup> | Effective pull at 1% elongation (k <sub>1%</sub> relaxed) [N/mm width] <sup>*</sup> |
|---|------------|---|--|---|
| RT 6-Linatex <sup>1)</sup> black/red    | ●          | 3 – 8   | 6  | –   |
| R 6-Linatex <sup>1)</sup> grey/red      | ●          | 3 – 8   | 6  | –   |
| R 14/2-Linatex <sup>1)</sup> green/red  | ●          | 4 – 8   | 14   | –   |
| R 14/3-Linatex <sup>1)</sup> green/red  | ●          | 8 – 15  | 14   | –   |
| UU 20 U-Linatex <sup>1)</sup> black/red | ●          | 4 – 7   | 4)   | –   |
| UU 60 U-Linatex <sup>1)</sup> black/red | ●          | 8 – 12  | 4)   | –   |
| T1-Linatex <sup>1)</sup> red            | ●          | 3.5 – 7                                       | –  | 4)  |
| T2-Linatex <sup>1)</sup> red            | ●          | 5 – 12.5                                      | –  | 4)  |

## Dimensions available

|                    | Min. length [mm] | Max. length [mm] | Min. width [mm] | Max. width [mm] |
|--------------------|------------------|------------------|-----------------|-----------------|
| R and U types      | 400              | 30 000           | 10*             | 500             |
| T types ground     | 1 500            | 30 000           | 10*             | 500             |
| T types non-ground | 1 500            | 50 000           | 10*             | 1 500           |

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).

## Production tolerances R and U types

| Length            |           |
|-------------------|-----------|
| 300 – 5 000 mm    | ± 0.50 %  |
| 5 000 – 15 000 mm | ± 0.30 %  |
| over 15 000 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 – 1 500 mm    | ± 0.80 %  |
| 1 500 – 2 500 mm  | ± 0.50 %  |
| 2 500 – 5 000 mm  | ± 0.40 %  |
| 5 000 – 10 000 mm | ± 0.30 %  |
| over 10 000 mm    | ± 0.20 %  |
| Width             |           |
| 10 – 200 mm       | ± 2.0 mm  |
| 200 – 600 mm      | ± 4.0 mm  |
| 600 – 1 400 mm    | ± 6.0 mm  |
| Thickness         |           |
|                   | ± 0.25 mm |



| Recommendations                    |  |                                      | Possible applications |                   |          |                          |                          |                    |                      |               |                                    |                     |                                     |         |
|------------------------------------|--|--------------------------------------|-----------------------|-------------------|----------|--------------------------|--------------------------|--------------------|----------------------|---------------|------------------------------------|---------------------|-------------------------------------|---------|
| Coating hardness approx. [Shore A] | d <sub>min</sub> approx. [mm] <sup>***</sup> | Operational temperature allowed [°C] | Labelling machines    | Punching machines | Stackers | Window patching machines | Box folding/Folder-gluer | Packaging machines | Tin plate processing | Heavy cartons | Corrugated (FG Flexo Folder Gluer) | 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.

## Storage

Store Siegling Linpack belts not too dry and at room temperature, ideally in standard ambient conditions (23 °C/50 % rel. humidity).

Do not expose Siegling Linpack belts to direct sunlight.

## Resistances

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

## Legend

- <sup>1)</sup> When ordering please indicate the total thickness after the coating name, e.g. R 14/2 – Linatex 8.
  - <sup>2)</sup> On unground belts (as of 500 mm width):  
T 1 – Linatex = 3.5/4.5/6/7 mm  
T 2 – Linatex = 5/6.5/8.5/9.5/10.5/12.5 mm
  - <sup>3)</sup> On ground belts (up to 500 mm width) 1/10 mm increments are possible.
  - <sup>4)</sup> On request
- \* Established in line with ISO 21181:2005
- \*\* Shaft load at 1 % elongation und 180° arc of contact 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 (23 °C/50 % rel. humidity). Low temperatures or particularly low humidity require larger diameters.



MOVEMENT SYSTEMS

## Type key

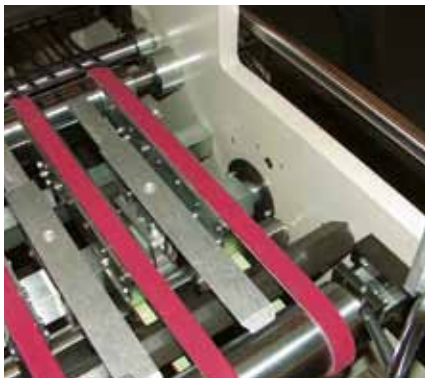
|   |   |      |   |         |   |           |
|---|---|------|---|---------|---|-----------|
| Carcass designation: R, U (fully elastic) = Siegling Extremultus; T1, T2 = Siegling Transilon |   |      |   |         |   |           |
| Underside T = polyamide fabric, if no designation, friction coating = G or U elastomer        |   |      |   |         |   |           |
| F <sub>w</sub> -value*  |   |      |   |         |   |           |
| Thickness of the basic material in tenths of 1 mm if deviating from standard thickness        |   |      |   |         |   |           |
| Linatex coating   |   |      |   |         |   |           |
| Total thickness in mm   |   |      |   |         |   |           |
| Colour underside/coating  |   |      |   |         |   |           |
| R   | T | 6    | – | Linatex | 5 | black/red |
| R   |   | 14/3 | – | Linatex | 8 | green/red |
| T1  |   |      | – | Linatex | 7 |           |

\* The F<sub>w</sub> value states the shaft load at 1 % elongation und 180° arc of contact measured in N/mm belt width.

## Abkürzungen

|                           |                |  |
|---------------------------|----------------|--|
| <b>Coating</b>            | <b>Linatex</b> | Natural rubber<br>(For further coatings see overview of the Siegling Proposition timing belts range - ref. no. 245, pages 10/11) |
| <b>Underside material</b> | <b>R</b>       | Elastomer G  |
|                           | <b>RT</b>      | polyamide fabric   |
|                           | <b>T1, T2</b>  | urethane-impregnated polyester fabric  |
|                           | <b>UU</b>      | fully elastic urethane film  |

## 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.

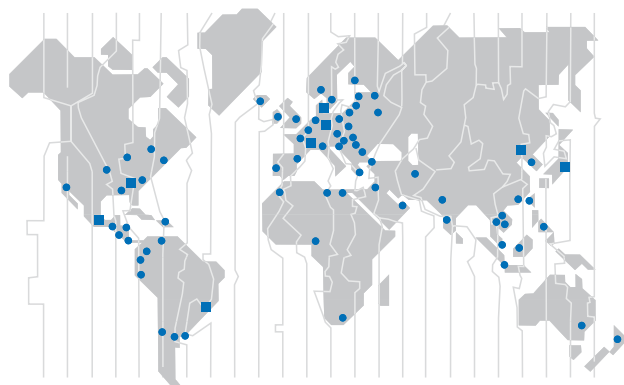


Accelerator belt for the discharge of stacked material in the manufacture of folded drinks cartons.

## 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.

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 1800 people worldwide. Our production facilities are located in nine 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.