Product range

siegling transtex
conveyor belts
Large gradient angles can be achieved even for heavy-duty loads and when products conveyed are wet.

Unloading belt for 40 tons of hard coal. It took Sieging Transtex to make this compact conveyor design possible.
Siegling Transtex: Heavy-duty specialists

Conveying heavy-duty products presents huge challenges to the conveyor belts used. With four product series, the Siegling Transtex range offers top performance in the most diverse of applications.

**Siegling Transtex beats past capabilities**

Global logistics service providers have been using Siegling Transtex successfully for years when typical conveyor belts for light-materials handling reached their limits. They have also proved how good they are in conveying raw materials, very heavy unit goods and sharp components, as well as coping with tough production conditions.

**Siegling Transtex sometimes surpasses even rubber and steel belts.**

In wind and extreme weather conditions, high temperatures and unusual mechanical stress, steel and rubber conveyor belts were the first choice for a long time.

Siegling Transtex is the ideal alternative for many applications – with all the benefits of fabric-based conveyor belts:

- easy to make endless
- low energy consumption
- simple conveyor design
- low maintenance and repair costs

In the past, due to a lack of space alone, very robust belts could often not be used. Siegling Transtex now makes very compact conveyors possible. And in terms of technology, new perspectives are opened up as a result, some of which include truck unloading belts, packaging machinery for coils, punch presses and outdoor machinery, e.g. in wood processing.

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**The properties**

- extreme flexibility compared with steel and rubber belts
- extremely robust, abrasion- and puncture resistant
- various different fabric designs
- good damping features

**The advantages**

- low power consumption, relatively small reversing drum diameters, compact conveyor designs
- long service lives, even when subjected to heavy usage
- laterally stiff and troughable designs with strong edges
- kind to bearings, little vibration during operation

Siegling Transtex can easily handle punctual loads of 1500 kg without damaging the layers of paper on the outside.
Top: After rolling, 160°C hot rubber sheets are immediately transferred to highly temperature-resistant Siegling Transtex belts.

With 33 types in four series, Siegling Transtex can offer the right features for any unusual type of conveying.

<table>
<thead>
<tr>
<th></th>
<th>PVC</th>
<th>PVK</th>
<th>PHR</th>
<th>PU</th>
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<tbody>
<tr>
<td>Robust, abrasion resistant</td>
<td>++</td>
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<tr>
<td>Incision resistant</td>
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<td>+</td>
<td>/+++/++++</td>
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<td>Laterally stiff</td>
<td>/++</td>
<td>/++</td>
<td>/++/++++</td>
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Right: Particularly abrasion- and incision-resistant Siegling Transtex belts guarantee reliable conveying in assembly feed and sheet metal manufacture.
Splice types

1. Z-splice
2. wedge splice
3. stepped overlap splice
4. wire hook fasteners
5. clip fasteners

Profiles

Longitudinal (guidance) and lateral profiles and sidewalls are available for Siegling Transtex types in various sizes and shapes.

Material combinations

Profiles
- PVC and PU on PVC/PVK/PU (welded)
- PVC and PU on PHR (bonded)
- Rubber, PU, PVC on PHR (bonded)

Sidewalls
- PVC on PVC/PVK/PU with C top coating (welded)

Belt types
- PVC/PVK/PU (welded)
- PHR (bonded)
## Technical Data

### Product range

<table>
<thead>
<tr>
<th>Article number</th>
<th>Total thickness approx. [mm]</th>
<th>Weight approx. [kg/m²]</th>
<th>Belt pull [N/mm belt width]</th>
<th>Effective modulus of elasticity [N/mm²]</th>
<th>Permissible operating temperature [°C]</th>
<th>Belt pull [%]</th>
<th>Max. operational elongation</th>
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</tbody>
</table>

### Key

**Series**
- PVC: Interwoven PVC
- PVK: Heavy interwoven PVC
- PHR: Polyurethane
- PU: Polyurethane

**Tension member**
- MF: Monofilament fabric
- N: Nylon
- TW: Twill weave fabric

**Belt feature**
- Carbox: Carboxylated NBR
- FR: Flame Retardant, ASTM D-378
- Grade II: Abrasion resistant
- OFR: Oil, fat resistant
- ORG: OSHA/MSHA Premium Oil
- P: Standard PVC
- Pure Gum: Natural rubber
- LT: Low temperature
- NA: Non antistatic

**Top face/underside features**
- B: Brush fabric
- BB: Bareback fabric
- F/FS: Friction fabric
- C: Cover
- HC: Heavy cover
- CT: Crescent top™
- HM: Heavy matt
- LI: Light impression
- LR: Longitudinal rib
- MRT: Mini-rough top
- RT: Rough top
- TAN: Beige

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**Established in line with ISO 21181:2005**

**The smallest permissible drum diameters were established at room temperature and do not apply to conveyor belts with mechanical fasteners. Lower temperatures require bigger drum diameters. Belts with profiles or sidewalls might require bigger drum diameters.**

***UV resistant***

****Under certain operating conditions. Please contact us.****

*****With an additional coating, 908107 and 908110 can also be used as punch press belts (polyamide fabric). Without additional PU coating, 908889 can be used as a punch press belt for thin metal foils, plastics etc.****

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Yes
<table>
<thead>
<tr>
<th>Type designation</th>
<th>Applications</th>
<th>Features and functions</th>
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<tbody>
<tr>
<td>PVC 120 LT CT X B - NA black</td>
<td>Parcels/packages</td>
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<td>PVK 125N C X FS - NA black FR</td>
<td>Distribution centres</td>
<td>Accumulation belts</td>
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<td>PHR2 160 BB X BB - NA black</td>
<td>Agriculture</td>
<td>Trenchable</td>
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<tr>
<td>PU2 150 HC X F - NA red</td>
<td>Paper/Cardboard</td>
<td>Robust/abrasion resistant</td>
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<td></td>
<td>Beverages industry</td>
<td>Suitable for curved belts</td>
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<tr>
<td></td>
<td>Recycling</td>
<td>Particularly flammable</td>
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<tr>
<td></td>
<td>Bricks/stone</td>
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<td>Automotive industry/ sheet metal manufacture</td>
<td>Particularly temperature resistant</td>
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<tr>
<td></td>
<td>Plastic industry</td>
<td>Particularly temperature resistant</td>
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<tr>
<td></td>
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</tbody>
</table>

Please note: the values stated are nominal and can fluctuate in a belt whose width is a result of production processes. Our products are constantly adapted to market requirements. Consequently, changes in technical parameters can occasionally occur. Therefore, please see the current product data sheets for specific information on designs and calculations.

- open roll material
- prepared for making endless
- made endless as specified

Preparation tools and heating presses for Siegling Transilon can be used for all splicing procedures.
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 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

The Forbo Siegling Group employs more than 2,000 people. Our products are manufactured in nine production facilities across the world. You can find companies and agencies with warehouses and workshops in over 80 countries. Forbo Siegling service points are located in more than 300 places worldwide.