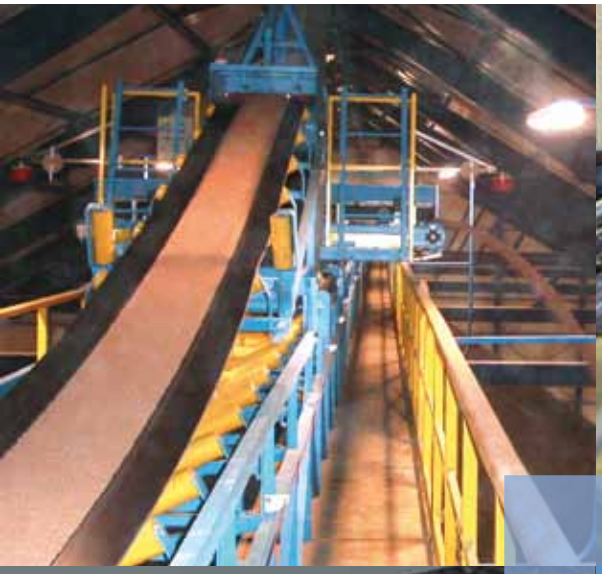
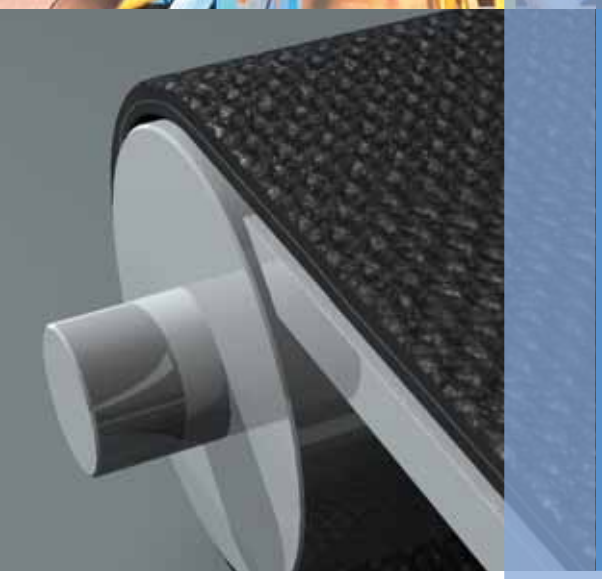
Product range





siegling transtex
conveyor belts

Siegling – total belting solutions

Forbo
MOVEMENT SYSTEMS

Unloading belt for 40 tons of hard coal. It took Siegling Transtex to make this compact conveyor design possible.

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

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.

Siegling Transtex can easily handle punctual loads of 1500 kg without damaging the layers of paper on the outside.

The properties	The advantages
extreme flexibility compared with steel and rubber belts	low power consumption, relatively small reversing drum diameters, compact conveyor designs
extremely robust, abrasion- and puncture resistant	long service lives, even when subjected to heavy usage
various different fabric designs	laterally stiff and troughable designs with strong edges
good damping features	kind to bearings, little vibration during operation

Typical Siegling Transtex

Top:
After rolling, 160 °C hot rubber sheets are immediately transferred to highly temperature-resistant Siegling Transtex belts.

Right:
Particularly abrasion- and incision-resistant Siegling Transtex belts guarantee reliable conveying in assembly feed and sheet metal manufacture.

	PVC	PVK	PHR	PU
With 33 types in four series, Siegling Transtex can offer the right features for any unusual type of conveying.	**Siegling Transtex PVC** PVC-impregnated fabric	**Siegling Transtex PVK** PVC-impregnated special fabric	**Siegling Transtex PHR** Fabric with rubber-elastomer coating	**Siegling Transtex PU** Fabric with urethane coating
Robust, abrasion resistant	++	+++	++	+++
Incision resistant	+	+++	++	+++
UV resistant	+	+	+++	+
Puncture resistant	+	++	++	+++
Troughable	+++	+	+/++/+++	+
Laterally stiff	+/++	+/++	+/++/+++	+++

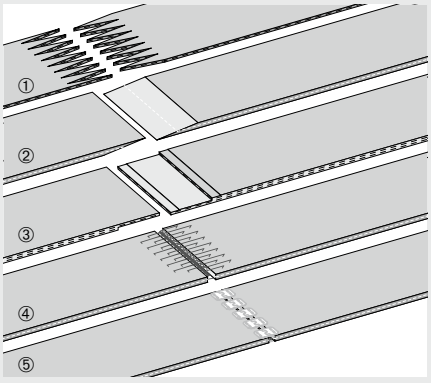
Right:
For heavy-usage conveyors Siegling Transtex belts are also used in logistics and distribution centres.

Bottom:
When conveying refuse, robust and chemically resistant Siegling Transtex types reliably handle a whole range of different materials, shapes and consistencies.

Left:
Long-term outdoor use with water- and UV-resistant Siegling Transtex types.

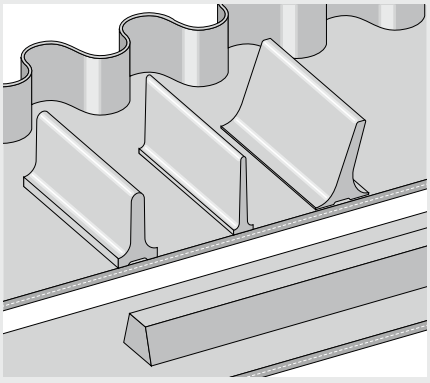
Splice types

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		Belt types
PVC and PU	on	PVC/PVK/PU (welded)
PVC and PU	on	PHR (bonded)
Rubber, PU, PVC	on	PHR (bonded)

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

Product range

		Technical Data								
		Article number	Total thickness approx. [mm]	Weight approx. [kg/m²]	Belt pull [N/mm belt width]	Effective pull at 1% elongation ($k_{1\%}$ relaxed) [N/mm width]*	d_{min} approx. [mm]**	Permissible operating temperature [°C]	max. operational elongation to establish the belt pull [%]	Flame retardancy FR = ASTM D-378
PVC	**Siegling Transtex PVC**									
	PVC120 P HM X B-NA black FR	908037	3.4	4.1	21	11	50	-18/+82	1.5	FR
	PVC120 MRT X B-NA black FR	908799	3.9	4.1	21	10.5	50	-18/+82	1.5	FR
	PVC120 LT CT X B-NA black	908750	6.1	4.1	21	10.5	50	-29/+82	1.5	
	PVC150 C X B-NA black FR	908016	4.1	4.9	27	13.5	76	-18/+82	1.5	FR
	PVC200 OFR-OSHA C X C white	908308	6.1	7.8	35	18	90	-18/+82	1.5	
	PVC350 ORG C X C black FR	908736	7.7	9.8	61	14	150	-18/+82	1.5	FR
	PVC450 ORG C X C black FR	908310	9.4	11.7	79	24	200	-18/+82	1.5	FR
PVK	**Siegling Transtex PVK**									
	PVK100 C X FS-NA black FR	908101	3.3	3.9	18	8	50	-18/+82	1.5	FR
	PVK100 FS X FS-NA black FR	908100	2.8	2.4	18	8	50	-18/+82	1.5	FR
	PVK125 C X FS-NA black FR	908104	3.9	4.4	21	9	50	-18/+82	1.5	FR
	PVK125 FS X FS-NA black FR	908103	3.7	3.4	21	9	50	-18/+82	1.5	FR
	PVK125 MRT X FS-NA black FR	908105	4.8	4.9	21	9	50	-18/+82	1.5	FR
	PVK125 RT X FS-NA black FR	908106	7.6	6.3	21	9	50	-18/+82	1.5	FR
	PVK125N C X FS-NA black FR	908107	3.8	4.6	21	9	50	-18/+82	1.5	FR
	PVK150 FS X FS-NA black FR	908125	4.6	4.3	27	10	50	-18/+82	1.5	FR
	PVK150 C X FS-NA black FR	908109	5.1	5.8	27	9	90	-18/+82	1.5	FR
	PVK150MF B X B-NA black FR	908139	3.7	3.2	27	13	80	-18/+160	1.5	FR
	PVK160N FS X FS-NA black FR	908110	5.6	5.4	28	5	90	-18/+82	1.5	FR
	PVK200 FS X FS-NA black FR	908111	5.6	5.3	36	14	90	-18/+82	1.5	FR
PHR	**Siegling Transtex PHR**									
	PHR2-90MF Grade II RT X BB black	908214	7.0	6.5	16	5	90	-29/+107	2.0	
	PHR2-90MF LI X BB-NA black FR	908201	3.6	4.3	16	4	90	-29/+107	2.0	FR
	PHR2-90SMF Grade II BB X BB-NA black	908246	2.3	2.5	16	6	90	-29/+107	2.0	
	PHR2-160 BB X BB-NA black FR	908203	2.3	2.6	28	10	90	-29/+107	2.0	FR
	PHR2-160 MRT X BB-NA black FR	908205	3.5	4.4	28	10	100	-29/+107	2.0	FR
	PHR2-160 RT X BB-NA black FR	908206	6.5	5.2	28	10	100	-29/+107	2.0	FR
	PHR2-160 Carbox RT X BB-NA brown	908223	6.5	5.4	28	10	100	-29/+107	2.0	
	PHR2-160 Pure Gum RT X BB-NA TAN	908222	6.5	5.3	28	10	100	-29/+107	2.0	
	PHR3-135MF BB X BB-NA black FR	908208	3.9	4.6	24	7	90	-29/+107	2.0	FR
	PHR3-200TW BB X BB-NA black FR	908209	3.8	4.2	36	12	125	-29/+107	2.0	FR
	PHR3-200TW LI X BB-NA black FR	908216	3.6	4.3	36	12	90	-29/+107	2.0	FR
	PHR3-240 Carbox RT X BB-NA brown	908245	7.5	6.7	43	12	160	-29/+107	2.0	
	PHR3-265TW BB X BB-NA black FR	908210	4.8	5.4	46	18	200	-29/+107	2.0	FR
	PHR3-265TW LI X BB-NA black FR	908211	5.8	6.3	46	18	200	-29/+107	2.0	FR
PU	**Siegling Transtex PU**									
	PU2-150 HC X F-NA red	908889	5.1	6.3	26	7	60	-7/+82	1.5	

Key

Series

PVC	Interwoven PVC
PVK	Heavy interwoven PVC
PHR	Package-handling rubber
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 Resistant to grain oils
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

* Established in line with ISO 21181:2005

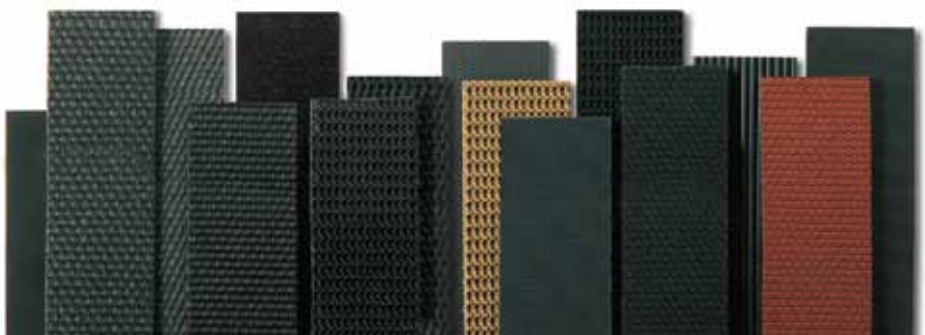
** The smallest permissible drum diameters were established at room temperature and do not apply to conveyor belts with mechanical fasteners. Lower temperatures require bigger drum diameters. Belts with profiles or sidewalls might require bigger drum diameters.

*** 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.

● Yes



Applications											Features and functions											
Parcels/packages	Distribution centres Airline baggage	Distribution centres	Agriculture	Wood/particle board	Paper/Cardboard	Beverages industry	Recycling	Bricks/stone	Automotive industry/ sheet metal manufacture	Plastics industry	Laterally stiff	Accumulation belts	Troughable	Robust/abrasion resistant	Suitable for curved belts	Patterned surface for inclined conveying	Chemical resistance	Particularly incision resistant	Outdoor use possible***	particularly temperature resistant****	Suitable as a punch-press belt*****	Antistatic
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Type designation

PVC		120	LT	CT	X	B	-	NA	black	
PVK		125N		C	X	FS	-	NA	black	FR
PHR2	-	160		BB	X	BB	-	NA	black	
PU2	-	150		HC	X	F	-	NA	red	

Flame retardant

Colour

Antistatic finish

Underside coating

Top-face coating

Belt feature

Specified tension [lb/inch width], special tension member feature

Series, if required number of layers

Supplied as

– 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.

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.

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 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.

MOVEMENT SYSTEMS

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Forbo Movement Systems is part of the Forbo Group, a global leader in flooring and movement systems. www.forbo.com

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