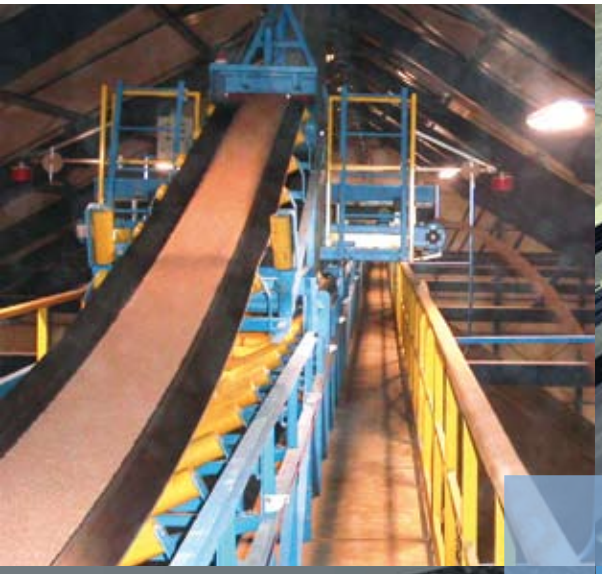
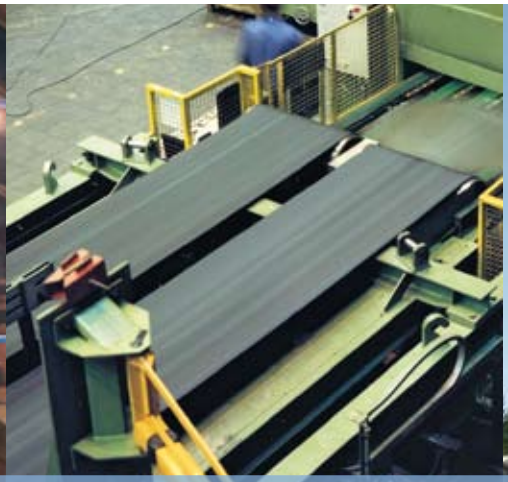
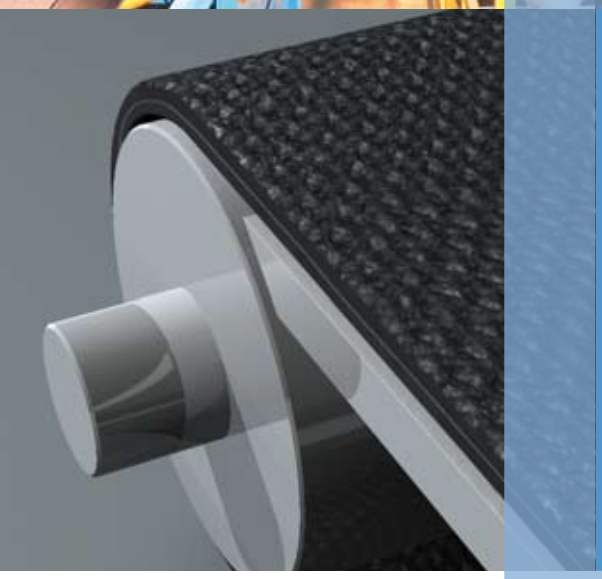
Product range







transtex belting
conveyor belts

Siegling – total belting solutions

Fordbo
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.

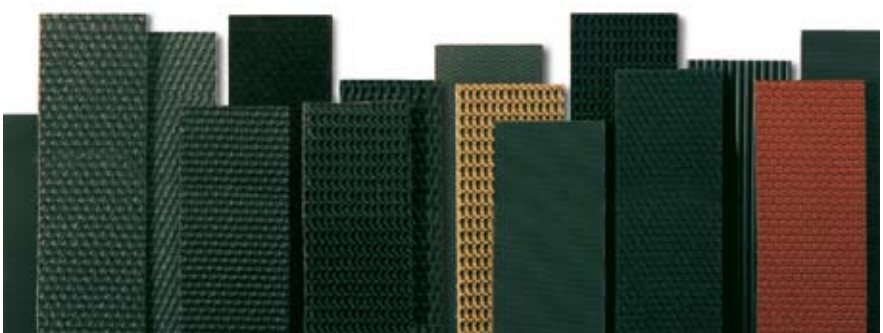
Siegling Transtex sometimes surpasses even rubber and steel belts.
In wind and extreme weather conditions, high temperatures and unusual mechanical stress, steel and rubber conveyor belts were the first choice for a long time.

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
- cost effective
- 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 wood production machinery used 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



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

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.

With 35 types in four series, Siegling Transtex can offer the right features for any unusual type of conveying.

	PVC	PVK	PHR	PU
	Siegling Transtex PVC (Interwoven PVC) Special polyester fabric embedded in PVC	**Siegling Transtex PVK (Package-handling PVC)** Special polyester fabric with premium PVC coating	**Siegling Transtex PHR (Package-handling rubber)** Special polyester fabric with rubber elastomer coating	**Siegling Transtex PU (Polyurethane)** Special polyester fabric with urethane impregnation
Robust, abrasion resistant	++	+++	++	+++
Incision resistant	+	+++	++	+++
UV/ozone resistant	+	+	+++	+
Puncture resistant	+	++	++	+++
Troughable	+++	+	+/+++	+
Laterally stiff	+/++	+/++	+/++/+++	+++

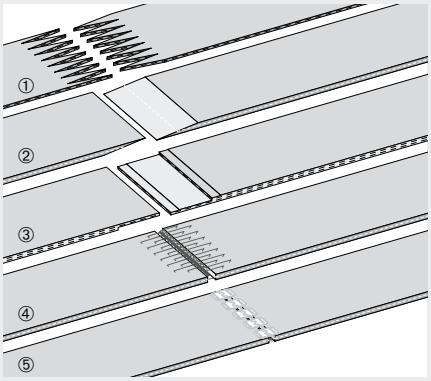
Right:
For heavy-usage conveyors Siegling Transtex belts are also used in logistics and distribution centres.

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, UV and ozone-resistant Siegling Transtex types.

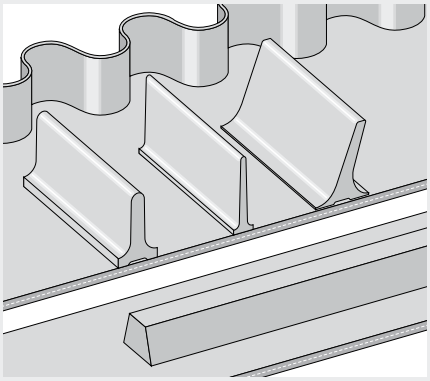
Splice types

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	on	PHR (bonded)

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

Product range

		Technical Data							
		Article number	Flame retardancy FR = ASTM D-378	Belt pull [N/mm belt width]	Elongation used to establish the belt pull [%]	Total thickness approx. [mm]	Weight approx. [kg/m²]	d_{min} approx. [mm]*	Permissible operating temperature [°C]
PVC	**Siegling Transtex PVC**								
	PVC120 FR HM X B-NA BLACK	908037	FR	21	1.5	3.4	4.1	51	-18/+82
	PVC120 MRT X B-NA BLACK FR	908799	FR	21	1.5	3.9	4.1	51	-18/+82
	PVC120 LT CT X B-NA BLACK	908750		21	1.5	6.1	4.1	51	-29/+82
	PVC150 C X B-NA BLACK FR	908016	FR	27	1.5	4.1	4.9	76	-18/+82
	PVC200 OFR-OSHA C X C WHITE [1]	908308		35	1.5	6.1	7.8	102	-18/+82
	PVC350 ORG C X C BLACK	908736	FR	61	1.5	7.7	9.8	178	-18/+82
	PVC450 ORG C X C BLACK	908310	FR	79	1.5	9.4	11.7	254	-18/+82
PVK	**Siegling Transtex PVK**								
	PVK100 C X FS-NA BLACK FR	908101	FR	18	1.5	3.3	3.9	51	-18/+82
	PVK100 FS X FS-NA BLACK FR	908100	FR	18	1.5	2.8	2.4	51	-18/+82
	PVK125 C X FS-NA BLACK FR	908104	FR	21	1.5	3.9	4.4	51	-18/+82
	PVK125 FS X FS-NA BLACK FR	908103	FR	21	1.5	3.7	3.4	51	-18/+82
	PVK125 MRT X FS-NA BLACK FR	908105	FR	21	1.5	4.8	4.9	51	-18/+82
	PVK125 RT X FS-NA BLACK FR	908106	FR	21	1.5	7.6	6.3	51	-18/+82
	PVK125N C X FS-NA BLACK FR	908107	FR	21	1.5	3.8	4.6	51	-18/+82
	PVK150 FS X FS-NA BLACK FR	908125	FR	27	1.5	4.6	4.3	89	-18/+82
	PVK150 C X FS-NA BLACK FR	908109	FR	27	1.5	5.1	5.8	89	-18/+82
	PVK160N FS X FS-NA BLACK FR	908110	FR	28	1.5	5.6	5.4	102	-18/+82
	PVK200 FS X FS-NA BLACK FR	908111	FR	36	1.5	5.6	5.3	102	-18/+82
PHR	**Siegling Transtex PHR**								
	PHR2-90MF Grade II RT X BB BLACK	908214		16	2.0	7.0	6.5	64	-29/+107
	PHR2-90MF FR LI X BB BLACK	908201	FR	16	2.0	3.6	4.3	25	-29/+107
	PHR2-90SMF Grade II BB X BB BLACK	908246		16	2.0	2.3	2.5	25	-29/+107
	PHR2-160 BB X BB-FR	908203	FR	28	2.0	2.3	2.6	102	-29/+107
	PHR2-160 FR MRT X BB BLACK	908205	FR	28	2.0	3.5	4.4	102	-29/+107
	PHR2-160 FR RT X BB BLACK	908206	FR	28	2.0	6.5	5.2	102	-29/+107
	PHR2-160 Carbox RT X BB-NA BROWN	908223		28	2.0	6.5	5.4	102	-29/+107
	PHR2-160 Pure Gum RT X BB-NA TAN	908222		28	2.0	6.5	5.3	102	-29/+107
	PHR3-135MF FR BB X BB BLACK	908208	FR	24	2.0	3.9	4.6	89	-29/+107
	PHR3-200TW FR BB X BB BLACK	908209	FR	36	2.0	3.8	4.2	89	-23/+107
	PHR3-200TW FR LI X BB BLACK	908216	FR	36	2.0	3.6	4.3	89	-29/+107
	PHR3-240 Carbox RT X BB-NA	908245		43	2.0	7.5	6.7	102	-29/+107
	PHR3-265TW FR BB X BB BLACK	908210	FR	46	2.0	4.8	5.4	152	-29/+107
	PHR3-265TW FR LI X BB BLACK	908211	FR	46	2.0	5.8	6.3	152	-29/+107
PU	**Siegling Transtex PU**								
	PU2-150 HC X F-NA RED	908889		26	1.5	5.1	6.3	102	-7/+82
	PU210 TSU F X F-NA GREEN	908601		38	1.5	4.8	4.7	102	-23/+100

Type designation

PVC		120	P	CT	X	B	-	NA	BLACK	
PVK		125N		C	X	FS	-	NA	BLACK	FR
PHR2	-	90	FR	BB	X	BB	-		BLACK	
PU2	-	150		HC	X	F	-	NA	RED	

- Flame ret.
- 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

Key

Series

PVC	Interwoven PVC	PVC-impregnated PVC
PVK	Package-handling PVC	PVC (specially for unit goods)
PHR	Package-handling rubber	Rubber (specially for unit goods)
PU	Polyurethane	Polyurethane

Tension member

MF	Monofilament fabric	Monofilament fabric
N	Package-handling Nylon	Nylon tension member (specially for unit goods)
S	Solid	Straight warp threads
TW	Twill weave fabric	Twill weave

Belt feature

Carbox	Carboxylated nitrile	Carboxylated
FR	Flame Retardant, ASTM D-378	Flame retardant
Grade II	Abrasion resistant	Abrasion resistant
OFR	Oil, fat resistant	Resistant to oil and grease
ORG	OSHA/MSHA Premium Oil Resistant to grain oils	Especially resistant to vegetable oils
P	Standard PVC, non-FR, antistatic, conductive	Not flame retardant, conductive
Pure Gum	Natural rubber	Natural rubber
LT	Low temperature	Low temperature

Industries												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**	Highly temperature resistant***	Suitable as a punch-press belt****	Antistatic
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Top face/underside features

B	Brush Fabric	PVC-impregnated fabric
BB	Bareback Fabric	RFL-impregnated fabric
C	Cover	0.2 mm PVC
CT	Crescent Top™	Curved structure
F	Friction Fabric	Fabric with high friction
FS	Package Handling Friction Fabric	PVC-impregnated fabric With high friction
HC	Heavy Cover	With 2 mm PU top layer
HM	Heavy Matt	Matt
LI	Light Impression	Fine pattern
LR	Longitudinal Rib	Longitudinal groove
MRT	Mini-Rough Top	Coarse pattern
RT	Rough Top	Anti-skid structure

* 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 and ozone 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.

1) Hotseal belt-edge sealing can be applied.

● Yes

Supplied as

– open roll material

– prepared for making endless

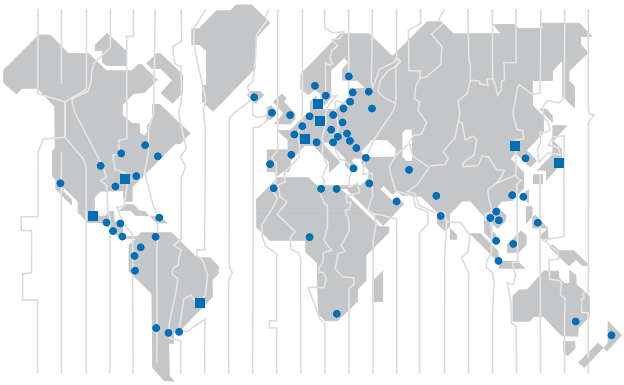
– made endless as specified

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

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 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.

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MOVEMENT SYSTEMS

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