

siegling
belting

LOGISTICS





**24/7
SERVICE**



A RELIABLE, **QUICK ROUTE** TO THE MARKET

Due to the widespread reduction in traditional warehousing and much lower stock levels in supply chains, lead times from production to the consumer are increasingly shorter.

So accurate order picking and distribution are increasingly playing a key role in a company's success.

This places high demands on the performance and reliability of systems and requires first-class components.

Specialized research in close co-operation with users and OEM's, ensures that Forbo Siegling products give maximum performance in the logistics industry.

- They are totally reliable for all types of conveying.
- They can cope with very high demands when conveying different types of goods.
- They are particularly economical to operate.

They are used in all sorts of very different applications. So please draw on the competent experience with applications your Forbo Siegling contact person has to offer.

siegling transilon
conveyor and processing belts

siegling transtex
conveyor belts

siegling extremultus
flat belts

siegling prolink
modular belts

You can find detailed information on special applications and complementary products in the following Forbo Siegling brochures:

No.	Title
224	Siegling Transilon conveyor and processing belts (product range)
214	Siegling Transtex conveyor belts (product range)
800	Siegling Prolink modular belts (product range)
242	Siegling Belting at Airports
232	Siegling Transilon · Siegling Proposition Conveyor and timing belts for drag band conveyors
238	Amp Miser™ 2.0 – The new generation of energy saving conveyor belts
336	Our elastic belts ... always track straight

www.forbo-siegling.com > Downloads

CONVEYOR AND PROCESSING BELTS FOR DEPENDABLE CONVEYING

From robust all-rounders to high-tech specialists:
The Siegling Transilon range for logistics has a huge
selection of types for the most varied of conveying tasks.

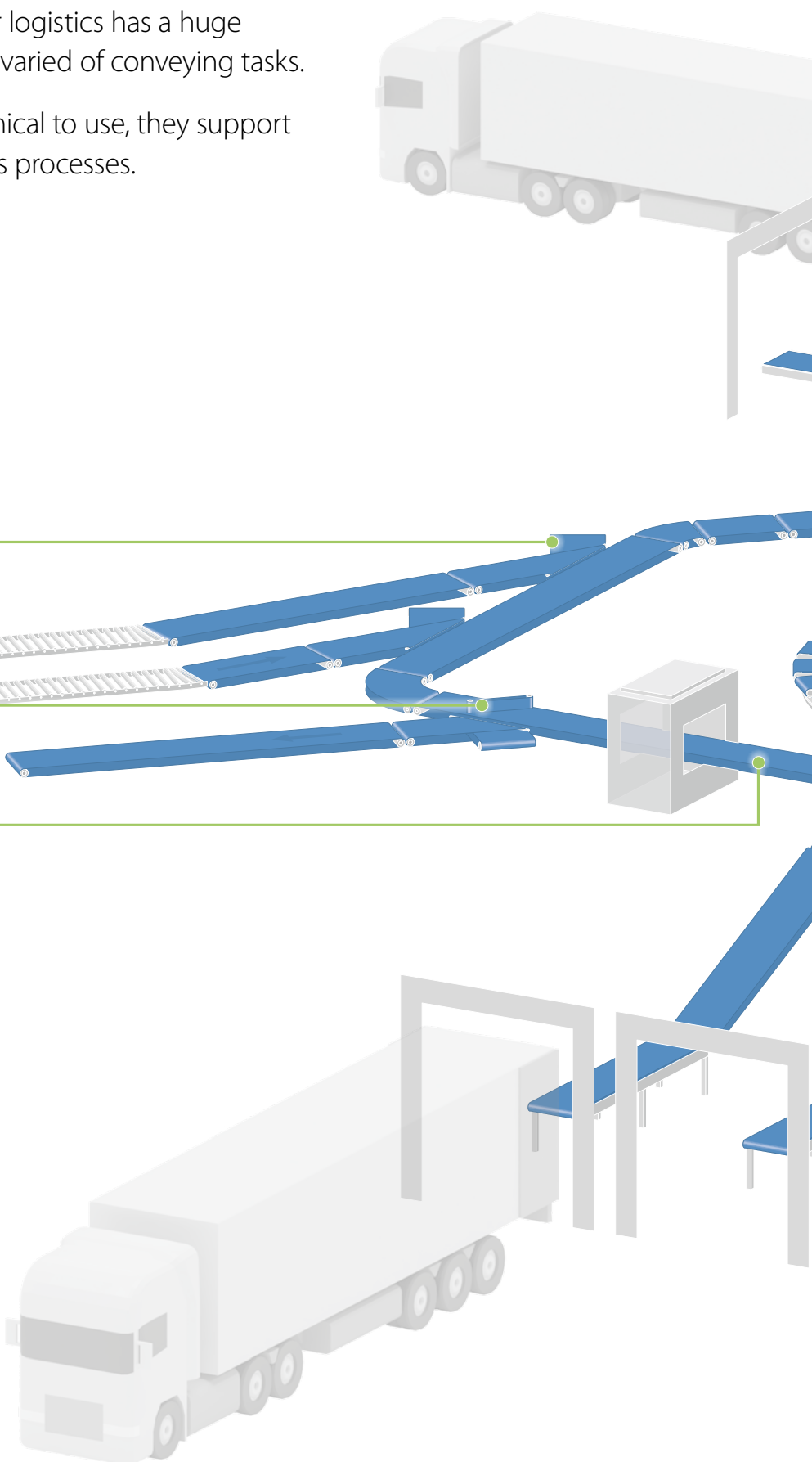
High performance and economical to use, they support
smooth operation in all logistics processes.

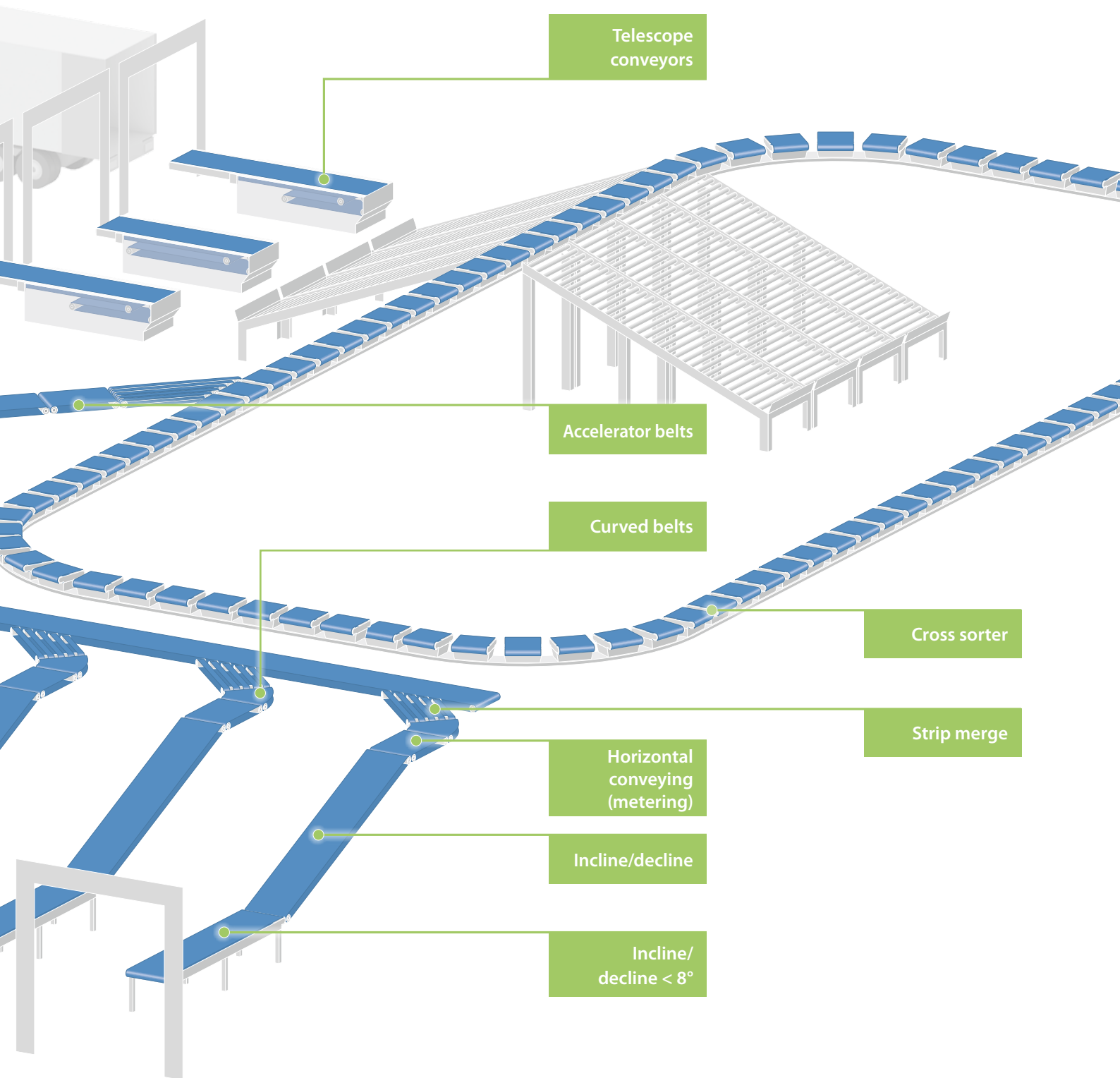
Full belt merge
(full belt diverter)

Live roller belts

Paddle belts

Collecting belts/
Accumulation
belts





Horizontal conveying

Even seemingly simple conveying jobs require numerous different belt properties.

For different goods to be conveyed, speeds, types of reversing, stop and go and accumulation operation and other operating conditions, Forbo Siegling supplies ideal belt types.



Telescopic conveyors (top) are suitable for counter bending and can also cope with high point loads.

Accumulation (bottom) requires very smooth, durable surfaces.

Collection and distribution

When using pushers and dischargers, the lateral stiffness of the belt guarantees it is flat and is directionally stable. Very smooth, tough surfaces make transferring and discharging the goods conveyed possible.

By contrast, cross belt sorters require very thin, flexible belts with high surface friction coefficients. With a special type of tension member, power consumption is very low.



In **merges** the belts that operate in a set, are usually tensioned in one go. This requires particularly low length tolerances. High friction coefficients on the top face guarantee precise transfer to the sorter.

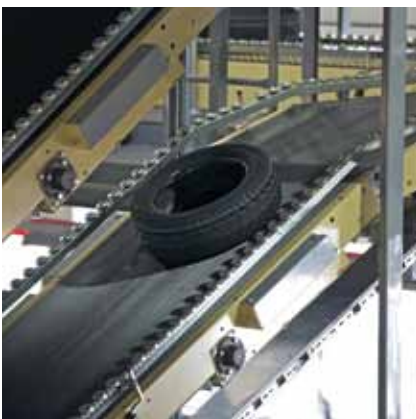
In **cross belt sorters** high acceleration means extremely high friction coefficients in the belt's top face.



Inclined conveying

Even with smooth belt surfaces the goods can be conveyed on a slope. The conveying angles that can be used here depend on the type of goods, the top face coating and external influences such as dust, moisture etc.

For larger conveying angles and when conveying small components and bulk goods, Forbo Siegling supplies belts with patterns or lateral profiles.



Forbo Siegling has developed and optimized a variety of **surface patterns** for very different applications. With Siegling Transilon patterned belts an angle of incline of up to 30° can be achieved without profiles.

Curved conveying

Forbo Siegling's curved belts are suitable for all types of belt tracking systems and are used on the conveyors of many renowned manufacturers. Due to almost completely automatised manufacturing processes Forbo Siegling can guarantee that geometric accuracy is adhered to when supplying fabricated belts.



The manufacture of **curved belts** from several segments means optimum load distribution in the belt so that even heavy goods can be conveyed reliably.

Siegling Transilon product structure

Top face | Various coating materials, thicknesses and patterns, as well as the chemical, physiological and mechanical properties of the belt influence the grip on the goods conveyed.

Tension member | The use of different special fabrics substantially influences the belt's suitability to the application. Belt tracking, elongation under force behavior, electrostatic properties, how flat the belts are, knife edges and how much they curve all depend directly on the fabric's structure.

Underside | Different underside types determine the level of noise, energy consumption as well as wear and tear in the belt and whether it can be used for sliding or rolling support.

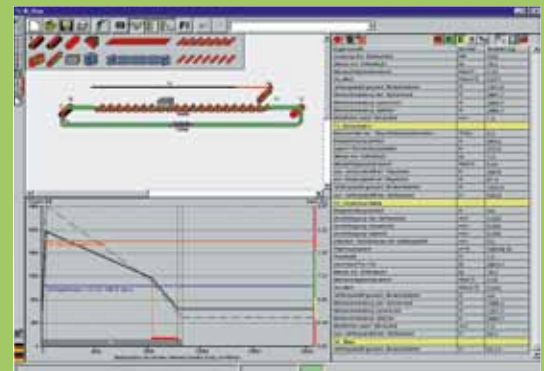
Reliable fitting: With the B_Rex calculation programme

For conveyors to perform well, the belts chosen and their physical parameters should match the design of the conveyor. Our B_Rex calculation program lets you:

- select the right belts for existing conveyors and
- design conveyors so that previously specified belt types can be used.

The program shows conveyors and drives and any changes to them in the form of symbols, therefore simulating the way any conveyor interacts with any belt in our product range.

Any change to parameters immediately causes the program to recalculate so that the simulated conveyor can be fitted more conveniently, quickly and precisely.



You can obtain the calculation program with instructions in a PDF file and information on the articles in our i-product range after registering free of charge at: www.forbo.com/movement > E-Tools

Our customers can use the program for a limited time only in order to guarantee that an up-to-date version with the latest product range is downloaded regularly.



siegling transilon

conveyor and processing belts

Siegling Transilon types are fabric- or non-woven-based conveyor belts with different thicknesses, patterns and characteristics and ideal for a variety of logistics processes. In addition to reliable all-rounders, Siegling Transilon also offers a whole host of belts that were developed for special tasks.



SAVE UP TO
- 50%



Energy-saving conveyor belts

Forbo Siegling's new Amp Miser™ 2.0 conveyor belts have an innovative smooth layer and are particularly flexible.

- Compared with standard types, in typical applications with long conveyors and heavy loads, up to 50% energy savings are possible, now.
- The second generation of Amp Miser™ types are also perfect on otherwise tricky galvanized slider beds. Compared with the previous belts, the coefficient of friction of this generation has been halved to $\mu < 0.17$. And it's just $\mu < 0.13$ on non-galvanized steel.

Elastic belts

Forbo Siegling's new elastic belt design makes problems tracking and centering belts a thing of the past. Due to their single-ply fabric designs with elastic warp threads, the belts track exceptionally accurately and even compensate for minor conveyor alignment errors.

- Elastic belts can be used on machinery whose vast widths and lengths make it impossible to fit standard belts, even on undersquare machinery (width > center distance).
- They're ideal for use in cross-belt sorters.
- No take-up unit is required when fitting pre-tensioned types.
- Mechanical fasteners can be used.



You can find more product information at:
www.forbo-siegling.com > Products

Siegling Transilon Logistics product range													
Article number	Total thickness approx. [mm]	Weight approx. [kg/m ²]	Effective pull at 1% elongation (k ₉₀ , relaxed) [N/mm width]*	d _{min} approx. [mm]**	Permissible operating temperature [°C]	Hardness of the top face coating [Shore A]	Max. width supplied [mm]	Profiles on the top face/underside/side wall	Mechanical splice	Flame retardant	Energy saving		
NOVO 25 HC black	900195	2.70	1.45	7.0	40	-10/120	2000 ³⁾	●/●/—	CS/HS/KS				
NOVO 40 HC black	900221	4.00	2.20	7.5	90	-10/+120	2000 ³⁾	●/●/—	CS/HS/KS				
NOVO 40 HC-SE black	906236	4.00	2.60	7.5	90	-10/120	2000 ³⁾	●/●/—	HS	SE			
NOVO 60 HC black	900286	5.50	3.00	8.0	125	-10/120	2000 ³⁾	●/●/—	CS/HS/KS				
E 8/2 0/R10 S/LG black	906630	2.50	2.30	7.5	40	-30/+100	55	3000	●/●/—	CS/HS/KS			
E 8/2 U0/R15 LG-SE black	906706	3.20	3.00	8.0	60	-30/+100	45	3000 ³⁾	●/—/—	CS/HS/KS	SE		
E 8/2 0/U2 S/GL green	904359	1.70	1.80	6.0	40	-30/100	90	3100 ³⁾	●/●/—	CS/HS/KS			
E 8/2 U0/U2 MT-C-SE black	906391	1.20	1.40	5.0	14/d10	-30/100	85	4300 ³⁾	●/●/—	KS	SE		
E 8/2 0/U10 S/LG green	904358	2.30	2.20	6.0	40	-30/100	73	1400 ³⁾	●/●/—	CS/HS/KS			
E 8/2 U0/U10 LG-SE black	904539	2.10	2.00	6.0	40	-30/100		1400 ³⁾	●/●/●	5)	SE		
E 8/2 U0/U10S LG-SE black	906650	2.20	2.40	8.5	30	-30/100	75	3000 ³⁾	●/●/—	5)	SE		
E 8/H U0/U6S NP black	906383	1.80	1.65	7.5	14	-30/100	64	3100	●/●/—	CS/HS/KS			
E 12/2 U0/V/U1 SE black	906506	2.00	2.30	8.0	60	-10/+70		2800 ³⁾	●/●/—	5)	SE		
E 12/2 U0/U2 C green FDA	900041	1.85	2.00	4.5	60	-30/+100	85	4100 ³⁾	●/●/—	HS/KS			
E 12/2 0/U2 MT-C-SE black	906479	1.85	1.90	4.5	40	-30/100	85	3000 ³⁾	●/●/—	5)	SE		
E 12/2 0/U3 GSTR-C-SE black	906718	2.10	1.90	4.5	40	-30/100	85	3000 ³⁾	●/●/—	5)	SE		
E 12/2 U0/V/U4 GSTR-C black	999979	2.40	2.30	4.0	60	-10/+70	85	2900 ³⁾	●/●/—	CS/HS/KS			
E 12/2 U0/V/U0 anthracite	906458	2.00	2.20	9.5	60	-10/70		3000 ³⁾	●/●/—	HS/KS			
E 12/2 U0/V/U0 SE black	999903	2.00	2.30	10.5	60	-10/70		3000 ³⁾	●/●/—	CS/HS/KS	SE		
EL 0/V10H MT-SE black	906848	2.20	2.40	0.25	30	-10/+70	85	2100	●/●/—	HS	SE		
EL 0/V10 LG-SE black	906796	2.25	2.40	0.25	24	-10/70	45	2100	—/●/—	HS/KS	SE		
EL 0/V10 NP-SE black	906797	2.25	2.40	0.25	24	-10/70	45	2100	—/●/—	HS/KS	SE		
E 5/2 0/V5 NP-SE black	999802	2.10	2.20	3.0	30	-10/70	48	2900 ³⁾	—/●/—	CS/HS	SE		
E 8/2 0/V4H MT black	906762	1.90	2.10	7.5	40	-10/+70	85	3100 ³⁾	●/●/—	HS/KS			
E 8/2 0/V5 GL black	906816	2.10	2.35	8.5	40	-10/+70	63	3000/4650 ⁴⁾	●/●/—	CS/HS/KS			
E 8/2 0/V5 GL-SE black	906817	2.10	2.35	8.0	40	-10/+70	63	3000 ³⁾	●/●/—	KS	SE		
E 8/2 U0/V5 green	900025	2.10	2.50	7.5	30	-10/70	75	4600 ³⁾	●/●/●	CS/HS/KS			
E 8/2 U0/V5H MT black	900026	2.20	2.50	7.5	40	-10/70	85	4600 ³⁾	●/●/—	CS/HS/KS			
E 8/2 0/V5H S/MT black	996141	2.20	2.50	8.0	40	-10/70	85	3000 ³⁾ /4500 ⁴⁾	●/●/—	CS/HS/KS			
E 8/2 U0/V5H MT-FR black	906433	2.20	2.60	8.0	60	-10/+70	85	3100 ³⁾	●/●/●	5)	FR		
E 8/2 U0/V5H MT-SE black	999967	2.25	2.70	7.0	50	-10/80	85	3000 ³⁾ /4100 ⁴⁾	●/●/—	CS/HS/KS	SE		
E 8/2 U0/V7 SG black	906286	2.30	2.45	6.0	40	-10/70	45	3100 ³⁾	●/●/—	CS/HS			
E 8/2 U0/V10H M-SE black	906538	3.10	3.60	7.0	60	-10/+70	85	4400 ³⁾	●/●/●	CS/HS/KS	SE		
E 8/2 0/V10 LG black	906764	2.70	2.90	7.5	40	-10/70	42	3100 ³⁾	●/●/—	HS/KS			
E 8/2 U0/V10 LG anthracite	906593	2.60	2.60	6.5	40	-10/70	45	3100 ³⁾	●/●/—	HS			
E 8/2 U0/V15 LG black	900275	3.10	3.40	7.5	40	-15/70	45	3100 ³⁾ /4550 ⁴⁾	●/●/—	CS/HS/KS			
E 8/2 0/V15 S/LG black	996166	3.10	3.30	7.0	60	-10/+70	45	3100 ³⁾	●/●/—	HS/KS			
E 8/2 U0/V15 LG-FR black	906434	3.10	3.40	7.5	40	-10/+70	45	3100 ³⁾	●/●/—	5)	FR		
E 8/2 U0/V15 LG-SE black	906313	3.10	3.40	8.0	60	-20/80	45	3000 ³⁾ /4600 ⁴⁾	●/●/—	CS/HS/KS	SE		
E 8/2 U0/V20 AR black	900087	4.90	4.00	6.0	40	-10/70	45	1500 ³⁾	●/●/—	CS/HS/KS			
E 8/2 U0/V20 AR-SE black	999532	4.90	4.20	8.0	60	-20/80	45	2000 ³⁾	—/●/—	CS/HS/KS	SE		
E 8/2 U0/V65 R65-SE black	909160	8.00	5.70	6.5	120	-20/80	65	2000	—/●/—	CS/HS	SE		
E 8/2 U0/V80 CH-SE black	906277	8.20	4.40	6.0	125	-10/+70	45	1450	—/●/—	CS/HS	SE		
E 8/2 U0/V80 R80-SE black	996121	8.20	4.70	6.0	125	-10/70	45	1450	—/●/—	CS/HS/KS	SE		
E 8/H U0/V6 NP black	906386	1.85	1.60	8.5	14	-10/70	45	300	●/●/—	CS/HS/KS			
E 10/2 TX0/V5H MT-AMP black	906807	1.90	2.10	9.0	40	-10/50	85	3000 ³⁾	●/—/—	HS/KS		●	
E 10/2 TX0/V5H MT-SE-AMP black	906809	2.15	2.40	9.0	40	-10/50	85	3000 ³⁾	—/—/—	HS/KS	SE	●	
E 10/2 TX0/V15 LG-AMP black	906808	2.70	2.90	9.0	40	-10/50	40	3000 ³⁾	—/—/—	HS/KS		●	
E 10/2 TX0/V15 LG-SE-AMP black	906810	2.70	2.90	9.0	40	-10/50	42	3000 ³⁾	—/—/—	HS/KS	SE	●	
E 12/2 TX0/V1 M-FR-AMP black	907230	2.95	3.30	6.0	60	-10/+70	45	3100 ³⁾	●/—/—	HS	FR	●	
E 12/2 TX0/V2 MT-M-FR-AMP black	907224	3.00	3.60	6.0	60	-10/+70	75	3100 ³⁾	●/—/—	HS	FR	●	
E 12/2 0/V3 C green	906838	2.00	2.30	3.0		-10/+70	63	3350	●/●/—	HS/KS			



siegling transilon

conveyor and processing belts

Horizontal conveying	Curved belts	Incline/decline	Incline/decline < 8°	Paddle belts	Accelerator belts	Live roller belts	Cross sorter	Collecting belts/ Accumulation belts	Telescope conveyors	Full belt merge (full belt diverter)	Strip merge	Available in AP = Asia Pacific, AA = America, EU = Europe, GL = globally
•			•					•				GL
•			•					•				GL
•			•					•				EU
•			•					•				EU, AP
		•			•						•	EU
		•			•							EU, AP
	•		•							•		EU, AP
		•			•						•	EU, AP
		•			•						•	AA
		•			•						•	GL
		•			•			•				GL
		•			•							EU
	•											EU
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	•											EU

* Established in line with ISO 21181:2005

** The smallest permissible drum diameters were established at room temperature with z-splices and counter bending and do not apply to conveyor belts with mechanical fasteners. Lower temperatures, profiles and side walls can require larger drum diameters. On this point, see our brochure "Technical information 2" (ref. no. 318)

rX is the radius of a fixed knife edge
dX is the diameter of a rolling knife edge

● Yes

3) Larger widths with longitudinal seam possible

4) Maximal widths without longitudinal seam on request

5) Please enquire

Tension member fabrics

E = Polyester

EL = Polyester (elastic)

NOVO = Polyester felt

Design

1, 2, 3 = Number of fabric plies

H = HighTech-fabric

Coatings

0 = Fabric uncoated

R = High Grip

TX0 = Texglide™

U = Polyurethane

U...H = Polyurethane hard

U...S = Polyurethane soft

U0 = Polyurethane impregnation

V = Polyvinyl chloride

V...H = Polyvinyl chloride hard

Surface patterns

AR = Rough-top ①

CH = Check-In ②

GL = Smooth ③

GSTR = Coarse texture ④

LG = Longitudinal groove ⑤

MT = Matt ⑥

NP = Inverted pyramid ⑦

R = Large diamond ⑧

SG = Lattice ⑨

STR = Normal texture ⑩

Belt properties

AMP = Amp Miser™

C = Laterally flexible, suitable for curved belts

FR = Flame-retardant, ASTM D-378

HC = Highly-conductive

M = Particularly stiff laterally

S = Very low noise

SE = Flame-retardant, EN340

Splicing

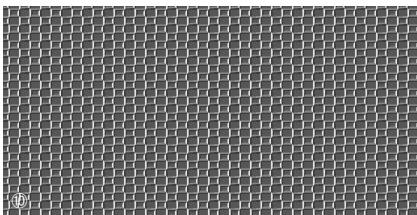
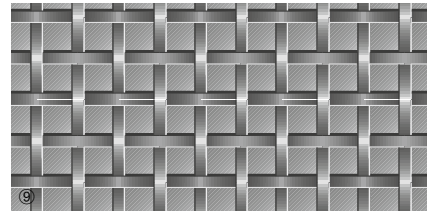
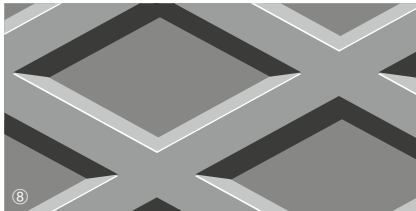
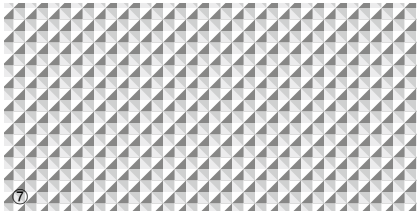
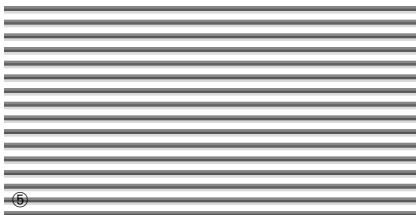
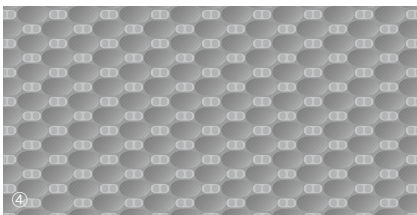
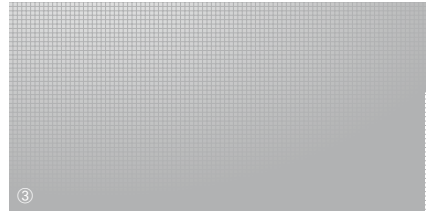
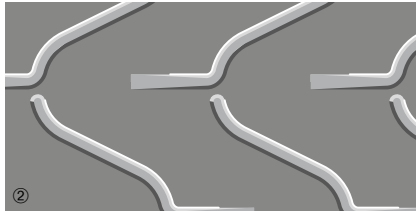
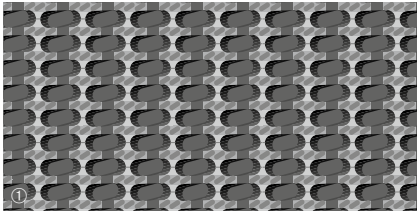
CS = Clamp fasteners

HS = Hook fasteners

KS = Plastic fasteners

more types on the following page

Siegling Transilon Logistics product range													
Article number	Total thickness approx. [mm]	Weight approx. [kg/m ²]	Effective pull at 1% elongation (k _{1%} relaxed) [N/mm width]*	d _{min} approx. [mm]**	Permissible operating temperature [°C]	Hardness of the top face coating [Shore A]	Max. width supplied [mm]	Profiles on the top face/underside/side wall	Mechanical splice	Flame retardant	Energy saving		
E 12/2 0/V3 GSTR-C-SE anthracite	906784	2.10	2.35	2.5	30	-10/70	70	3350 ³⁾	●/—/—	HS	SE		
E 12/2 0/V3 MT-C black	906839	2.00	2.30	2.5		-10/+70	63	3350	●/●/—	HS/KS			
E 12/2 U0/V5 STR-C-SE black	999856	2.50	3.00	3.0	60	-10/+70	68	3000 ³⁾	●/●/—	CS/HS/KS	SE		
E 12/2 U0/V6 GSTR-C-SE black	906495	2.65	2.70	3.5	30	-15/70	70	4050 ³⁾	●/●/—	HS/KS	SE		
E 12/2 U0/V6 MT black	909085	2.70	3.45	10.0	60	-10/+70	75	2000 ³⁾	●/●/●	CS/HS/KS			
E 12/2 U0/V7 MT black	909042	2.80	3.45	10.0	60	-15/70	75	2000 ³⁾	●/●/●	CS/HS/KS			
E 12/2 U0/V10H MT black	909172	3.00	3.60	10.0	90	-10/+70	85	2000 ³⁾	●/●/●	CS/HS/KS			
E 12/2 TX0/V10 LG-M-FR-AMP black	907229	3.90	4.50	6.0	90	-10/+70	45	3100 ³⁾	—/—/—	HS	FR	●	
E 12/2 V1/V10 LG-M-FR black	907143	3.20	3.50	7.0	60	-10/+70	45	2100 ³⁾	●/●/—	CS/HS/KS	FR		
E 12/2 V5/V10 STR/GL green	900053	3.25	3.90	11.5	60	-10/+70	75	3100 ³⁾	●/●/●	CS/HS/KS			
E 12/3 TX0/TX0 FR-AMP gray	907206	3.80	4.60	7.0	60	-10/+50		3000 ³⁾	—/—/—	HS	FR	●	





siegling transilon

conveyor and processing belts

Horizontal conveying	Curved belts	Incline/decline	Incline/decline < 8°	Paddle belts	Accelerator belts	Live roller belts	Cross sorter	Collecting belts/ Accumulation belts	Telescope conveyors	Full belt merge (full belt diverter)	Strip merge	Available in AP = Asia Pacific, AA = America, EU = Europe, GL = globally
	●											EU, AP
	●											EU
	●									●		AA
	●											AA
●									●			AP
●									●			AP
●								●				AA
		●										AA
		●										EU, AP
			●									EU, AA

* Established in line with ISO 21181:2005

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rX is the radius of a fixed knife edge
dX is the diameter of a rolling knife edge

● Yes

³⁾ Larger widths with longitudinal seam possible

⁴⁾ Maximal widths without longitudinal seam on request

⁵⁾ Please enquire

Tension member fabrics

E = Polyester

EL = Polyester (elastic)

NOVO = Polyester felt

Design

1, 2, 3 = Number of fabric plies

H = HighTech-fabric

Coatings

0 = Fabric uncoated

R = High Grip

TX0 = Texglide™

U = Polyurethane

U...H = Polyurethane hard

U...S = Polyurethane soft

U0 = Polyurethane impregnation

V = Polyvinyl chloride

V...H = Polyvinyl chloride hard

Surface patterns

AR = Rough-top ①

CH = Check-In ②

GL = Smooth ③

GSTR = Coarse texture ④

LG = Longitudinal groove ⑤

MT = Matt ⑥

NP = Inverted pyramid ⑦

R = Large diamond ⑧

SG = Lattice ⑨

STR = Normal texture ⑩

Belt properties

AMP = Amp Miser™

C = Laterally flexible, suitable for curved belts

FR = Flame-retardant, ASTM D-378

HC = Highly-conductive

M = Particularly stiff laterally

S = Very low noise

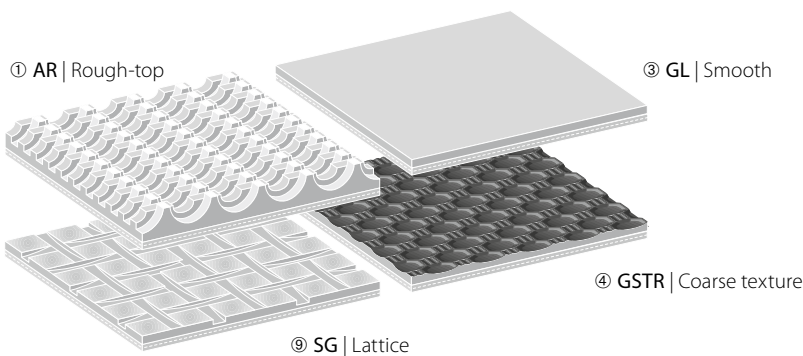
SE = Flame-retardant, EN340

Splicing

CS = Clamp fasteners

HS = Hook fasteners

KS = Plastic fasteners



Type code

E	4/2	U0/U2	MT	-HACCP	white	FDA
NOVO	60		HC	-SE	black	
						Color
						Belt property
						Pattern
						Top face coating [mm/10]
						Underside coating [mm/10]
						Number of plies, special fabric (H or M) or total thickness (NOVO)
						Type class
						Tension member fabric

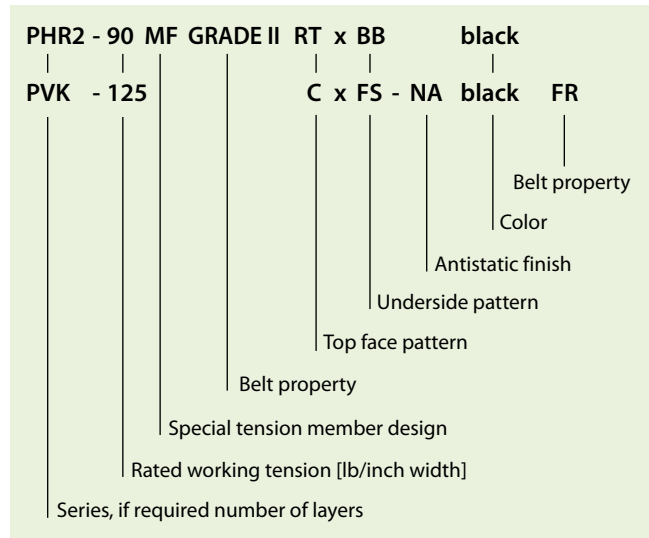
Please note: the values stated are nominal and can fluctuate in a belt whose width is a result of production processes. Our products are constantly adapted to market requirements. Consequently, changes in technical parameters can occasionally occur.

Therefore, please see the current product data sheets for specific information on designs and calculations.



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Type code



* 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.

● Yes

Series

PHR = Package Handling Rubber (Rubber coating and/or rubber in the intermediate layer)

PVC = Interwoven PVC (Special PVC-impregnated fabric)

PVK = Package Handling PVC (Special PVC-impregnated fabric, reinforced version)

Special tension member designs

LN = Low noise

MF = Polyester monofilament weft

TW = Driving face fabric with twill weave

Belt properties

FR = Flame Retardant, ASTM D-378

Grade II = Less abrasion resistant styrene-butadiene-rubber

LT = For lower temperatures

NA = Non antistatic

Patterns/Coatings

B = Rough fabric, brushed, low friction

BB = Fabric with resorcin-formaldehyde-latex-impregnation

C = Smooth cover

F = Thin PVC coating

FS = Top face: coarse fabric with PVC impregnation, low friction
Driving face: coarse fabric, brushed, low friction

LI = Light impression

LR = Longitudinal rib

MRT = Rough-top, mini

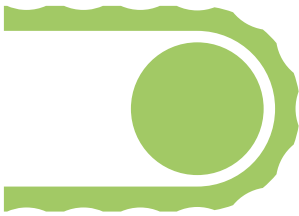
RT = Rough-top

3/64 = Coating thickness in 3/64 inch

Splicing

CS = Clamp fasteners

HS = Hook fasteners



siegling transtex

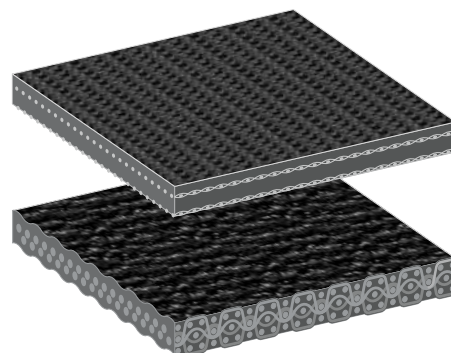
conveyor belts

Siegling Transtex are highly robust, fabric-based conveyor belts for use in extreme conditions. They're in their element outdoors or wherever the going gets particularly tough.



Siegling Transtex Logistics product range	Article number	Total thickness approx. [mm]	Weight approx. [kg/m ²]	Effective pull at 1% elongation (k _{1%} , relaxed) [N/mm width]*	d _{min} approx. [mm]**	Permissible operating temperature [°C]	Hardness of the top face coating [Shore A]	Max. width supplied [mm]	Profiles on the top face/underside/side wall	Mechanical splice	Flame retardant	Horizontal conveying	Incline/decline	Incline/decline < 8°	Accelerator belts	Collecting belts/Accumulation belts	Telescope conveyors	Available in AP = Asia Pacific, AA = America, EU = Europe, GL = globally
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Siegling Transtex	Article number	Total thickness approx. [mm]	Weight approx. [kg/m ²]	Effective pull at 1% elongation (k _{1%} , relaxed) [N/mm width]*	d _{min} approx. [mm]**	Permissible operating temperature [°C]	Hardness of the top face coating [Shore A]	Max. width supplied [mm]	Profiles on the top face/underside/side wall	Mechanical splice	Flame retardant	Horizontal conveying	Incline/decline	Incline/decline < 8°	Accelerator belts	Collecting belts/Accumulation belts	Telescope conveyors	Available in AP = Asia Pacific, AA = America, EU = Europe, GL = globally
PHR2-90MF BBxBB-NA black FR	908200	2.87	3.37	4.0	60	-29/107		1829	●/●/—	CS/HS	FR	●		●		●		AA
PHR2-90MF LixBB-NA black FR	908201	3.58	4.30	8.0	90	-29/107		1829	●/●/—	CS/HS	FR	●	●		●		●	EU, AA
PHR3-135MF BBxBB-NA black FR	908208	3.94	4.59	8.0	125	-29/107	60	1829	●/●/—	CS/HS	FR	●		●		●		EU, AA
PHR2-160 GRADE II 3/64LixBB-NA black	908220	3.63	4.10	11.0	125	-29/107		1829	●/●/— ⁵⁾		FR	●	●	●				AA
PHR2-160 3/64LixBB-NA black FR	908204	3.63	4.39	11.0	125	-29/107		1829	●/●/— ⁵⁾		FR	●	●	●				AA
PHR2-160 MRTxBB-NA black FR	908205	3.48	3.91	11.0	125	-29/107		1829	—/●/— ⁵⁾		FR		●		●			EU, AA
PHR2-160 GII 5.8MM RTxBB-NA black	908237	5.77	4.59	11.0	125	-29/107		1829	—/●/— ⁵⁾				●		●			AA
PHR2-160 RTxBB-NA FR black	908206	6.48	5.22	10.0	125	-29/107		1829	—/●/—	CS/HS	FR		●		●			EU, AA
PHR3-200TW BBxBB-NA black FR	908209	3.81	4.39	19.0	5 ¹⁾	-23/107		1829	●/●/—	CS/HS	FR	●		●		●		GL
PHR3-265TW BBxBB-NA black FR	908210	4.75	5.52	25.0	5 ¹⁾	-23/107		1829	●/●/—	CS/HS	FR	●		●		●		EU, AA
PHR3-340TW BBxBB-NA black FR	908212	5.82	6.49	5 ¹⁾	5 ¹⁾	-29/107		1511	●/●/— ⁵⁾		FR	●		●		●		AA
PVC120 FxB-NA black FR	908011	2.79	2.44	7.5	30	-10/82	80	1829 ³⁾	●/●/— ⁵⁾		FR	●		●		●		AA, AP
PVC120 CxB-NA black FR	908002	3.35	4.15	8.5	60	-10/+82	80	1829 ³⁾	●/●/—	CS/HS	FR	●		●		●		AA
PVC120 RTxB-NA black FR	908004	6.35	4.88	8.5	60	-10/+82	80	1829 ³⁾	—/●/— ⁵⁾		FR		●		●			AA
PVK100 FSxFS-NA black FR	908100	2.79	2.44	10.5	30	-10/82		1829 ³⁾	●/●/—	CS/HS	FR	●				●		EU, AA
PVK125 FSxFS-NA black FR	908103	3.68	3.42	10.0	30	-10/82		1829 ³⁾	●/●/—	CS/HS	FR	●				●		GL
PVK125LN FSxFS-NA black FR	908140	3.70	3.40	10.0	60	-10/+82		1200 ³⁾	●/●/— ⁵⁾		FR	●				●		AP
PVK125 CxFS-NA black FR	908104	3.94	4.39	14.0	60	-10/82	80	1829 ³⁾	●/●/●	CS/HS	FR	●		●		●		AA, AP
PVK125 LRxFS-NA black FR	908919	4.80	4.95	12.0	60	-10/+82	45	2000 ⁵⁾	—/●/—	HS	FR		●		●			AP
PVK125 MRTxFS-NA black FR	908105	4.83	4.88	14.0	50	-10/82	65	1829 ³⁾	—/●/—	CS/HS	FR		●		●			GL
PVK125 RTxFS-NA black FR	908106	7.62	6.35	11.0	40	-10/82	55	1829 ³⁾	—/●/—	CS/HS	FR		●		●			GL
PVK150 FSxFS-NA black FR	908125	4.57	4.44	10.0	50	-10/82		2000 ³⁾	●/●/—	CS/HS	FR	●				●		GL
PVK200 FSxFS-NA black FR	908111	5.08	5.37	15.0	90	-10/82		1524 ³⁾	●/●/— ⁵⁾		FR	●				●		EU, AA



PHR2-160 MRTxBB-NA black FR

PVK150 FSxFS-NA black FR

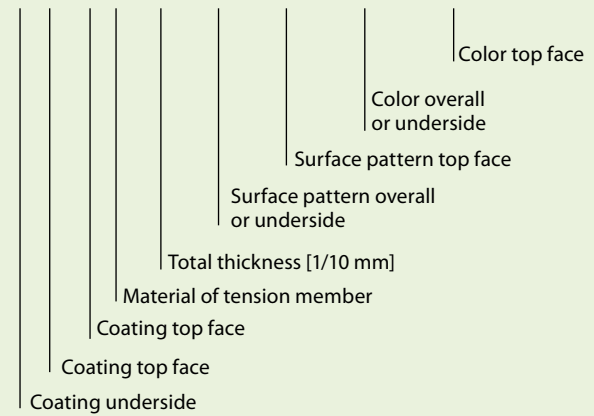


You can find more product information at:
www.forbo-siegling.com > Products



Type code

G G 30 E - 25 NSTR/FSTR gray/black
G G 20 E - 20 green



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.

The values stated were identified in standard ambient conditions (23°C, 50% rel. humidity).

* Lower temperatures require larger drum diameters.
 For the polyamide line, this also applies in the case of low humidity.

** The nominal effective pull specifies the power transmission at the nominal elongation at fitting and 180° arc of contact in N/mm belt width.

● Yes

Tension member fabrics

E = Polyester

Coatings

G = Elastomer G

T = Blended or Polyamide fabric

U = Polyurethane

Surface patterns

FSTR = Fine textured surface

NSTR = Normal texture



siegling extremultus

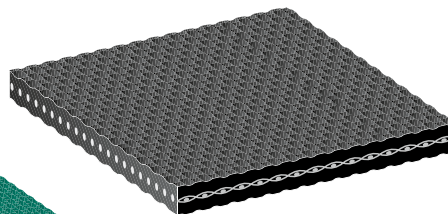
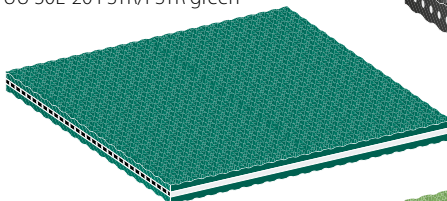
flat belts

Siegling Extremultus are fabric-based power transmission belts with highly elastic elastomer or polyurethane coatings that ensure consistent drive performance in live rollers used in the logistics segment.

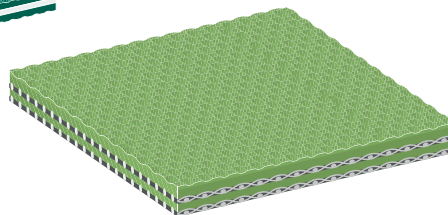


Siegling Extremultus Logistics product range		Article number	Total thickness approx. [mm]	d_{\min} approx. [mm]*	Nominal effective pull approx. [N/mm belt width]**	Elongation at fitting [%]	Weight approx. [kg/m ²]	Permissible operating temperature [°C]	Live roller belts
Siegling Extremultus									
GG 20E-20	green	822052	2.0	24	20	0.3-2	2.15	-20/+70	●
GG 15E-18	green	822053	1.8	20	12	0.3-2	2.00	-20/+70	●
GG 30E-25 NSTR/FSTR	gray/black	822126	2.5	30	30	0.3-2	2.75	-20/+70	●
GG 30E-30 NSTR/NSTR	black	822127	3.0	60	30	0.5-2	3.25	-20/+70	●
GG 30E-32 FSTR/FSTR	black	822118	3.2	40	26	0.3-2	3.55	-20/+70	●
UU 20E-16 FSTR/FSTR	green	822055	1.6	30	14	0.3-2	1.85	-20/+70	●
UU 30E-20 FSTR/FSTR	green	822133	2.0	30	20	0.3-2	2.20	-20/+70	●
UU 40E-20 FSTR/FSTR	green	822138	2.0	40	20	0.3-2	2.20	-20/+70	●
TG 30E-30	black/green	822058	3.0	40	30	0.3-2	3.20	-20/+70	●

UU 30E-20 FSTR/FSTR green



GG 30E-30 NSTR/NSTR black



TG 30E-30 black/green



You can find more product information at:
www.forbo-siegling.com > Products

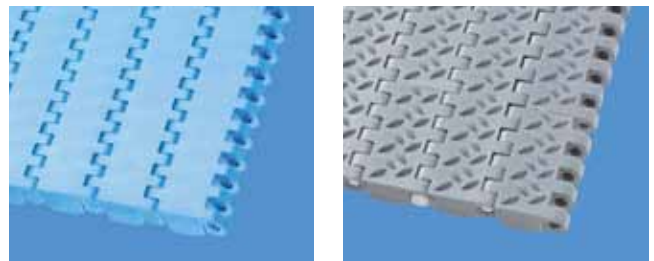


Series 8 | Pitch 25.4 mm (1 in)

Multipurpose type for straight conveyors, in accumulation sections or for feeding or discharging products from the sides

- Closed hinge design provides high belt pull capacity
- Rigid module design makes belt suitable for long conveyors
- Robust design guarantees superior durability
- Closed solid edge design
- Flame retardant version available (PXX-HC – in line with DIN EN 13501-1)

Sprockets, profiles, side guards and Hold Down Tabs available in different sizes and designs



Belt types, some of which have a closed and smooth surface (on the left), a nonslip NSK pattern (on the right) or a surface with an open area (not pictured).



siegling prolink

modular belts

Siegling Prolink are exceptionally tough and long-lasting plastic modular belts. Due to their sophisticated module designs, high quality surfaces and the fact they're made to precise tolerances, they provide outstanding added value.



Series 4.1 | Pitch 14 mm (0.55 in)

For straight conveyors with small end diameters

- Small pitch belt for applications requiring small transfer gaps
- Hinges that open wide and flat channels on the underside ensure the belt is easy to clean
- Unique sprocket design with rounded tooth edges provides ideal load distribution
- Wide sprocket teeth ensure superior sprocket engagement and strength

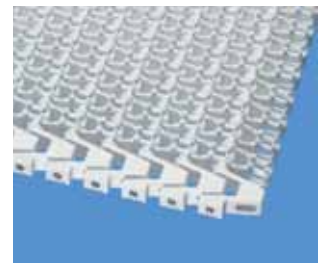
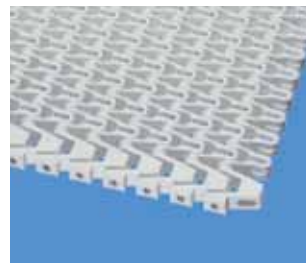
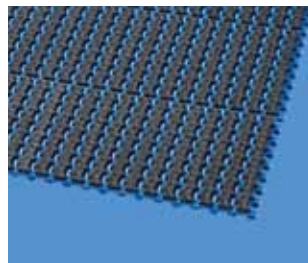
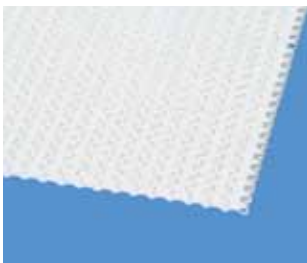
Sprockets and profiles available in different sizes and designs

Series 5 | Pitch 25 mm (0.98 in)

For straight and curved conveyors and different combinations

- Up to 45% open area for excellent air circulation and drainage
- Stainless steel hinge pins for high load capacity, lateral stiffness, fewer belt supports and minimum belt lifting in curves
- No potential belt edge catch points due to safe fixing of hinge pins
- Cooling coils, freezers and curved conveyors

Sprockets, profiles, side guards and ball-bearing modules available in different sizes and designs



Belt types, some of which have a closed and smooth surface (on the left), a raised Friction Top pattern (on the right) or surface with an open area (not pictured).

Belt types, some of which have a smooth surface with an open area (on the left), Nub Tops on the right) or Friction Top inserts (not pictured).



You can find more product information at:
www.forbo-siegling.com > Products

Siegling – total belting solutions

Committed staff, quality oriented organization 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.



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Forbo Siegling service – anytime, anywhere

The Forbo Siegling Group employs more than 2,300 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.

Forbo Siegling GmbH

Lilienthalstrasse 6/8, D-30179 Hannover
Phone +49 511 6704 0, Fax +49 511 6704 305
www.forbo-siegling.com, siegling@forbo.com



MOVEMENT SYSTEMS