

Metalworking

siegling
belting



Siegling – total belting solutions

forbo

MOVEMENT SYSTEMS

SCHULER 



TOWER
AUTOMOTIVE
Prüfplatz
GT-Press
S 4300



Forbo Siegling – the innovative belting range for metalworking

If manufacturing and supplying products just in time is vital and downtime is counted in minutes, Forbo Siegling is the perfect choice.

Advanced, reliable, good value belting products help you to maximise production capacities and minimise scheduled and unscheduled downtime. Our range of specialist products makes handling easier and increases the efficiency of the application. 300 service points world wide ensure rapid availability of spare parts and services – around the clock.

From support, to fitting, to after sales service, Forbo Siegling provides **a wide range of services**. Our qualified engineers, experienced in the industry, provide consistent support right up to when the products are used.

Our longstanding experience means we can provide specially tailored services for more effective and reliable production processes. With a customised service package, we can help you keep that competitive edge.

Just contact us.

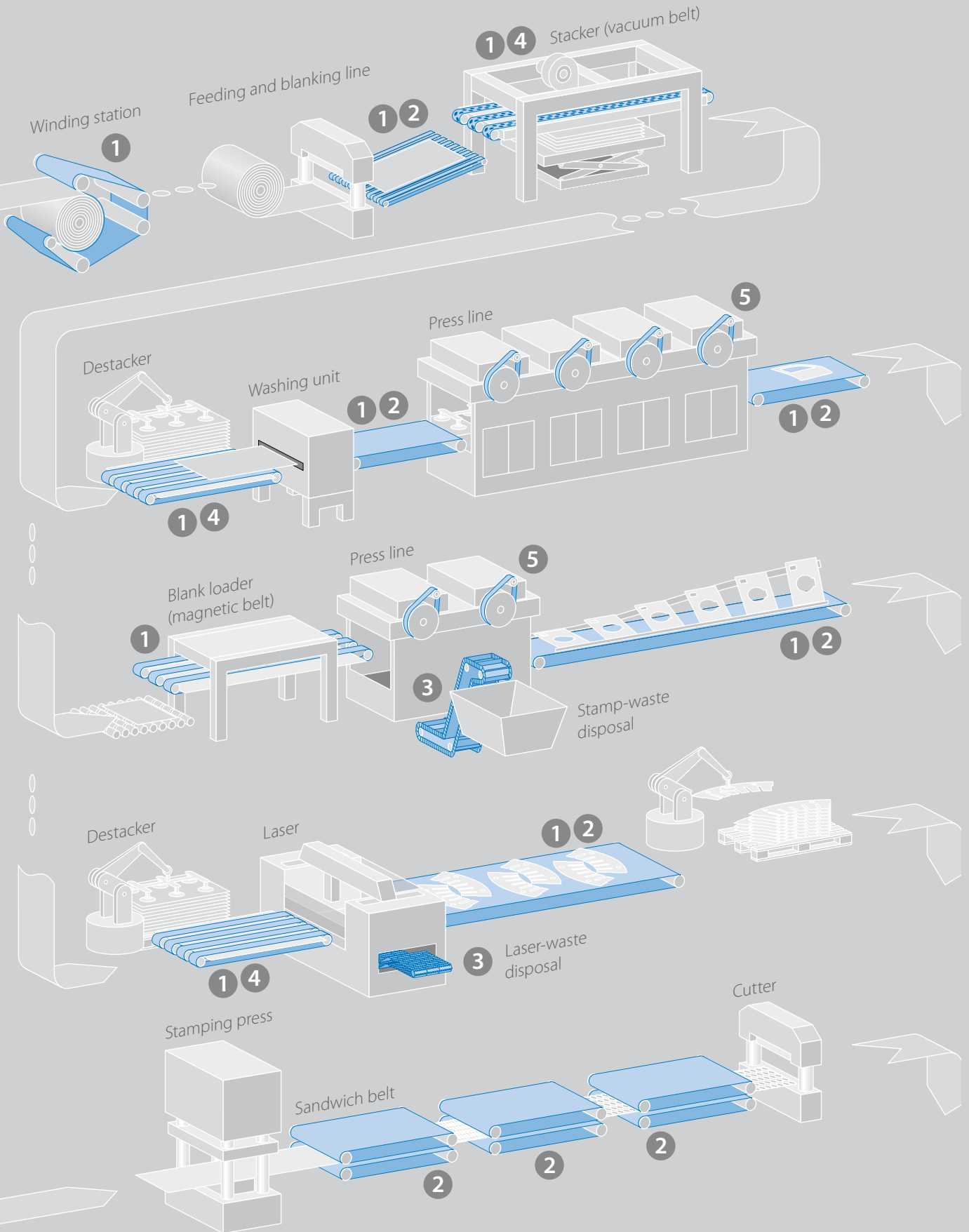
The following brochures contain more information on issues relevant to the metalworking industry:

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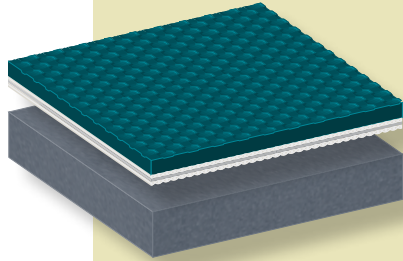
MOVEMENT SYSTEMS

Forbo Siegling offers 5 product groups to make metalworking efficient. Different belting products can be used in many steps of the process. Contact your Forbo Siegling contact for full support in selecting belts for the machinery, materials and processing parameters relevant to you.



The right specialists for every step

E12/2 U0/V20 GSTR green
(coated polyester fabric)



Novo 60 black
(nonwoven polyester)

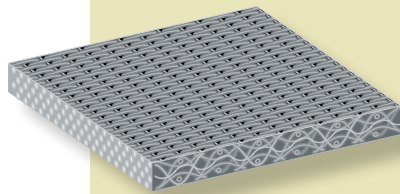
Siegling Transilon are fabric- or nonwoven-based conveyor and processing belts, ranging from the all-rounder to the high-tech specialist. With different thicknesses, patterns and characteristics, the versatile range can handle the most diverse conveying and processing jobs metalworking generates.

- high on tensile strength, low on thickness
- oil- and grease-resistant PU types
- heat-resistant nonwoven belts

siegling transilon conveyor and processing belts

versatile & reliable

1



PVK150 FS x FS
(solid-woven fabric)

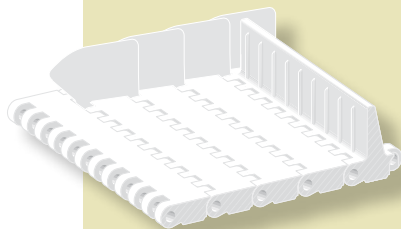
Siegling Transtex are robust, fabric-based conveyor belts for extreme production environments. They excel when rubber manufacturing conditions are especially hot and arduous.

- durable
- particularly incision-resistant/tough belts
- PVC-impregnated solid-woven fabric

transtex belting conveyor belts

robust & economical

2



S8-0 FLT
Scale 1:4

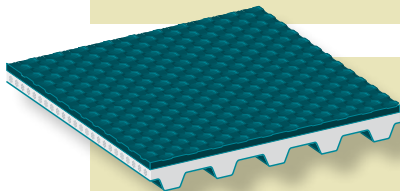
Siegling Prolink are very robust and durable plastic modular belts. They manage conveying and processing jobs, that are difficult with conventional belting material.

- particularly incision-resistant POM-CR
- fast repair times
- minimal downtimes

siegling prolink modular belts

modular & variable

3

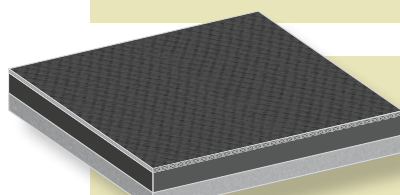


T10 PAZ G/GSTR green

Siegling Proposition is the timing belt range for demanding acceleration and positioning applications. Diverse coatings and mechanical processing enable perfect customisation.

siegling proposition timing belts

4



LT 54 P

Siegling Extremultus belts excel at transmitting vast amounts of power efficiently. They are often a welcome alternative to high-loss gears.

siegling extremultus flat belts

5

siegling transilon

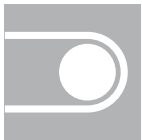
conveyor and processing belts



Siegling Transilon			Technical data, properties and recommendations, applications	Article no.	Overall thickness approx. [mm]	Weight approx. [kg/m ²]	Effective pull at 1% elongation (k-% relaxed) [N/mm width]*	Allowable belt pull [N/mm]	d _{min} approx. [mm]** or D ₀ min [mm]***	Permissible operating temperature [°C]	Hardness of top face coating [Shore A]
E 8/2	U0/U4	GSTR green		900152	2.1	2.1	6	-	60	-30/+100	85
E 8/2	U0/U8	transparent FDA		900024	2.0	2.2	7.5	-	60	-30/+100	85
E 8/2	U0/V/U20	green		900151	3.6	4.2	7	-	60	-10/+70	80
E 8/2	U0/V20	AR green		900037	4.9	4.0	6	-	60/40 (Z)	-10/+70	45
E 10/M	U1/U3	NA green		900064	3.1	3.3	7.5	-	60	-10/+80	80
E 10/M	U1/U3	GSTR-NA green		900065	3.5	3.4	5.5	-	60	-10/+80	80
E 10/M	V1/V10	green		900066	2.85	3.3	6	-	60	-10/+70	65
E 12/2	U0/U20	GSTR green		900168	3.8	3.8	10	-	90	-10/+80	80
E 12/2	U0/V20	green		900262	3.35	4.1	12	-	60	-10/+70	75
E 15/M	V1/V10H	MT green		900324	5.4	5.3	11.5	-	125	-10/+70	85
E 20/M	U1/U3	NA green		900074	5.4	6.0	9	-	160	-10/+80	80
E 20/M	U1/U3	GSTR-NA green		900075	5.7	6.0	9	-	160	-10/+80	80
EP	U5/U5	GL/GL-NA green		900205	7.3	6.5	6.5	-	120	-10/+80	92
NOVO	25-NA	white FDA		996160	2.5	1.3	7	-	40	-10/+120	-
NOVO	25	HC black		900195	2.5	1.3	7	-	40	-10/+120	-
NOVO	40-NA	green		900222	4.0	2.2	7.5	-	70	-10/+120	-
NOVO	40	HC black		900221	4.0	2.2	7.5	-	70	-10/+120	-
NOVO	60-NA	green		900285	5.5	3.1	8	-	120	-10/+120	-
NOVO	60	HC black		900286	5.5	3.1	8	-	120	-10/+120	-

transtex belting

conveyor belts



Transtex Belting			Technical data, properties and recommendations, applications	Article no.	Overall thickness approx. [mm]	Weight approx. [kg/m ²]	Effective pull at 1% elongation (k-% relaxed) [N/mm width]*	Allowable belt pull [N/mm]	d _{min} approx. [mm]** or D ₀ min [mm]***	Permissible operating temperature [°C]	Hardness of top face coating [Shore A]
PVK125	FS X FS	NA black FR		908103	3.7	3.4	9	-	50	-18/+82	-
PVK150	FS X FS	NA black FR		908125	4.6	4.3	10	-	90	-18/+82	-
PVK160N	FS X FS	black FR		908110	5.6	5.4	5	-	90	-18/+82	-
PVK200	FS X FS	NA black FR		908111	5.6	5.3	14	-	90	-18/+82	-
PHR2-160	MRT X BB	NA black FR		908205	3.5	4.4	10	-	100	-29/+107	-
PU2-150	HC X F	NA red		908889	5.1	6.3	7	-	60	-7/+82	89

siegling prolink

modular belts



Siegling Prolink			Technical data, properties and recommendations, applications	Article no.	Overall thickness approx. [mm]	Weight approx. [kg/m ²]	Effective pull at 1% elongation (k-% relaxed) [N/mm width]*	Allowable belt pull [N/mm]	d _{min} approx. [mm]** or D ₀ min [mm]***	Permissible operating temperature [°C]	Hardness of top face coating [Shore A]
Serie 1.	Pitch 50 mm				16	14.4	-	40	100	-45/+90	-
Serie 3.	Pitch 50 mm				16	7.5	-	16	100	-45/+90	-
Serie 7.	Pitch 40 mm				18	18.6	-	50	130	-45/+90	-
Serie 8.	Pitch 25.4 mm				10.5	11.0	-	40	91.6	-45/+90	-

The figures stated apply to POM-CR options. Other materials are also possible. Module types that are available for most series include closed or open areas, profiles and side guards.

For more details, see our Siegling Prolink range (ref. no. 800) and the brochures for each of the series (ref. no. 810/830/870/880).

siegling proposition

timing belts



Siegling Proposition			Technical data, properties and recommendations, applications	Article no.	Overall thickness approx. [mm]	Weight approx. [kg/m ²]	Effective pull at 1% elongation (k-% relaxed) [N/mm width]*	Allowable belt pull [N/mm]	d _{min} approx. [mm]** or D ₀ min [mm]***	Permissible operating temperature [°C]	Hardness of top face coating [Shore A]
Siegling Proposition timing belts can be supplied for all the standard sprocket types. Galvanised steel cord or Kevlar are used as tension members. The majority of types are also available as truly endless options. For flawless operation, the belts can have different coatings and be machined (perforated, milled, lasered ...).											
For more details, see our Siegling Proposition range (ref. no. 245).											

siegling extremultus

flat belts

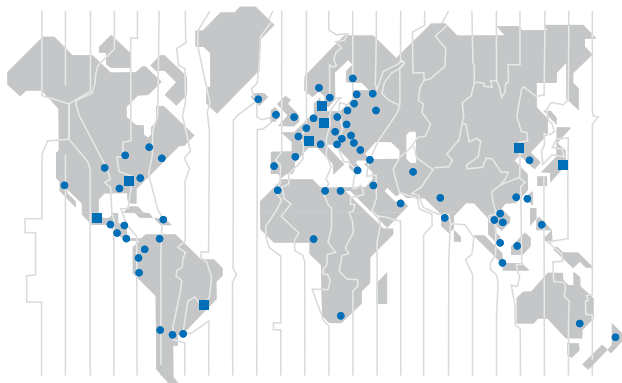


Siegling Extremultus			Technical data, properties and recommendations, applications	Article no.	Overall thickness approx. [mm]	Weight approx. [kg/m ²]	Effective pull at 1% elongation (k-% relaxed) [N/mm width]*	Allowable belt pull [N/mm]	d _{min} approx. [mm]** or D ₀ min [mm]***	Permissible operating temperature [°C]	Hardness of top face coating [Shore A]
Siegling Extremultus belts can transmit up to 1,850 kW. They are durable, elastic, vibration- and shock-absorbent. They can be used for belt velocities of up to 100 m/s. Their friction coating is made of chrome leather or rubber (LT- and GT-types).											
More details are included in our Heavy-duty drives brochure (ref. no. 192).											

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.