siegling
belting

TEXTILES
YARN PRODUCTION

Siegling – total belting solutions

Forbo
MOVEMENT SYSTEMS

ENSURE QUALITY, **BOOST PRODUCTIVITY**

In close cooperation with textile producers and manufacturers of the machinery, Forbo Movement Systems develops power transmission and conveyor belts for yarn and textile production. As a leading manufacturer, our products and services help make machinery and processes more flexible and productive worldwide.

The Siegling Extremultus Aramide and Polyester lines, with thermoplastic tension members, are superb examples. These are just some of their outstanding properties that set them apart from conventional belts with polyamide tension members. Their exceptional power transmission, maximum belt speeds and reduced belt creep enable:

- efficient production
- compact machine designs with numerous stations
- energy-efficient, environmentally-friendly operation

Our products and application technology expertise stand for:

- advanced power transmission solutions to increase performance and quality with Siegling Extremultus spindle and flat belts
- flexible solutions for conveyor and processing belts with Siegling Transilon and Extremultus machine tapes for efficient material flow from the bales to packaging of the cross-wound bobbins.

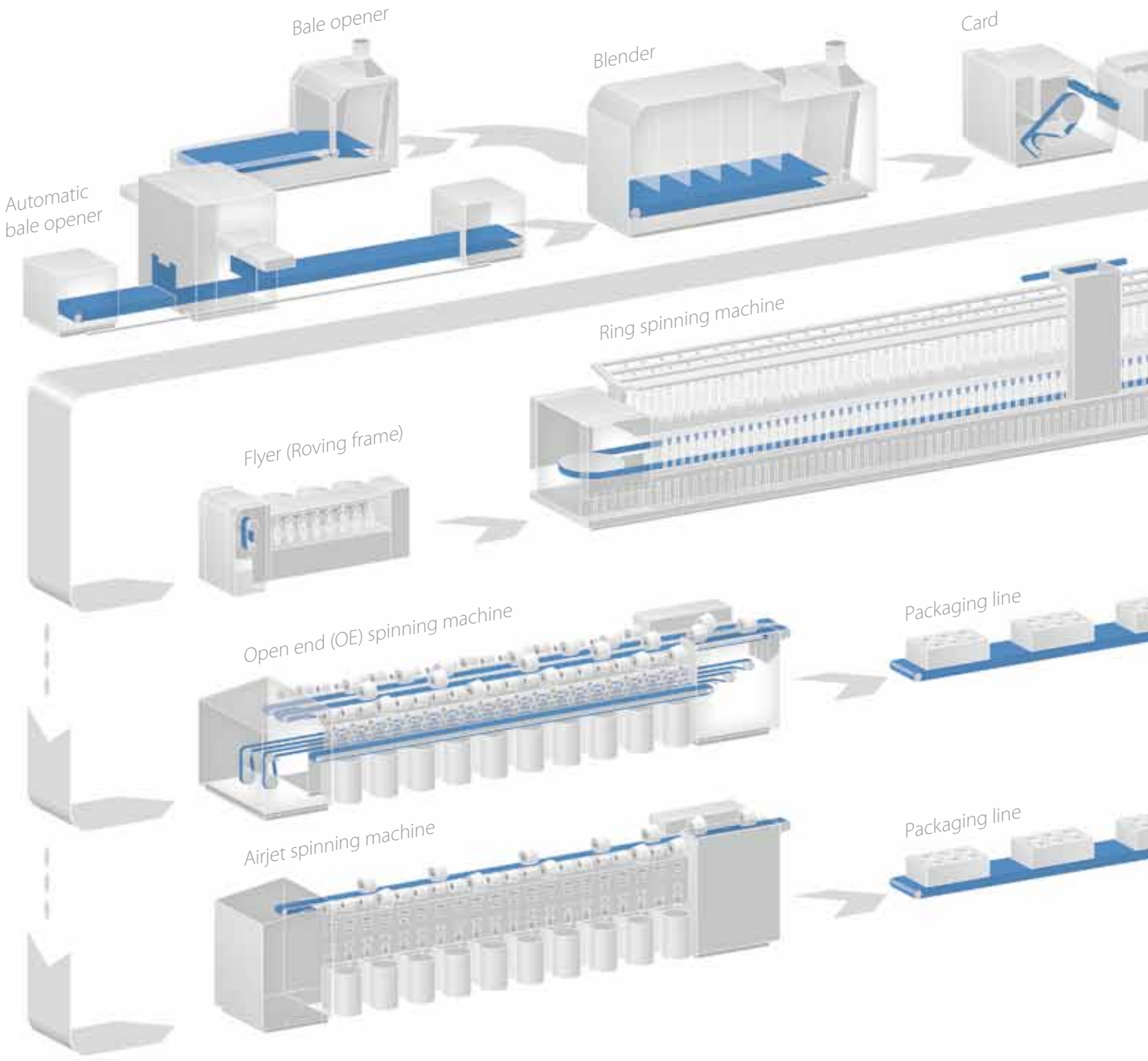
Contents

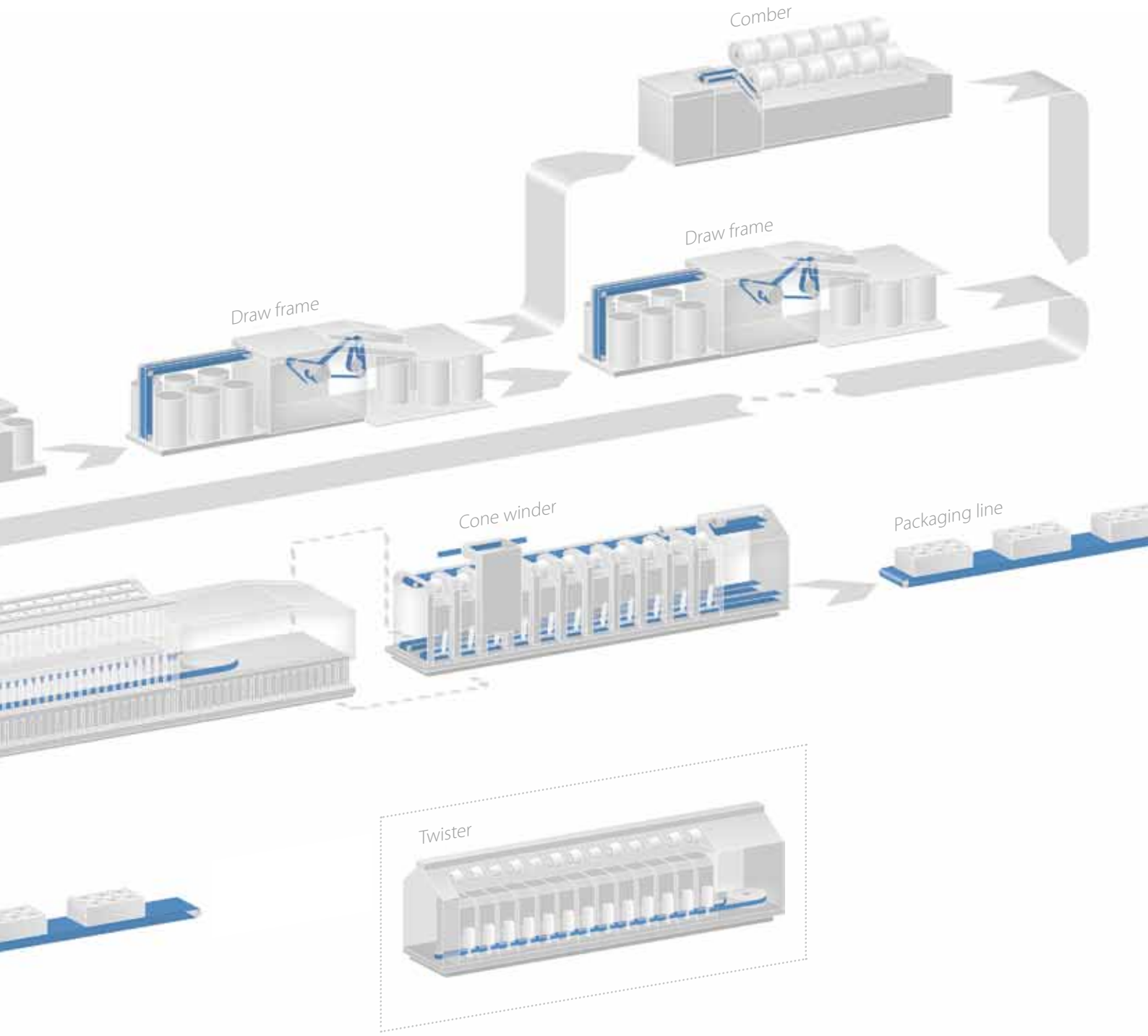
For further relevant information on the textile industry please see the following brochures:

No.	Title
224	Siegling Transilon · Conveyor and processing belts
278	Textiles – Textile printing
295	Textiles – Nonwovens
333	Siegling Extremultus · Compendium Flat belts
317	Siegling Transilon · Technical Information 1 · Storage, Finishing, Fitting
318	Siegling Transilon · Technical Information 2 · Special features and properties

THE RIGHT BELT TYPES **FOR EFFICIENT PROCESSES**

A highly efficient production system can't afford to have any weak points. Forbo Movement Systems' conveyor and power transmission belts are designed to do the job required on each and every section of the production line.





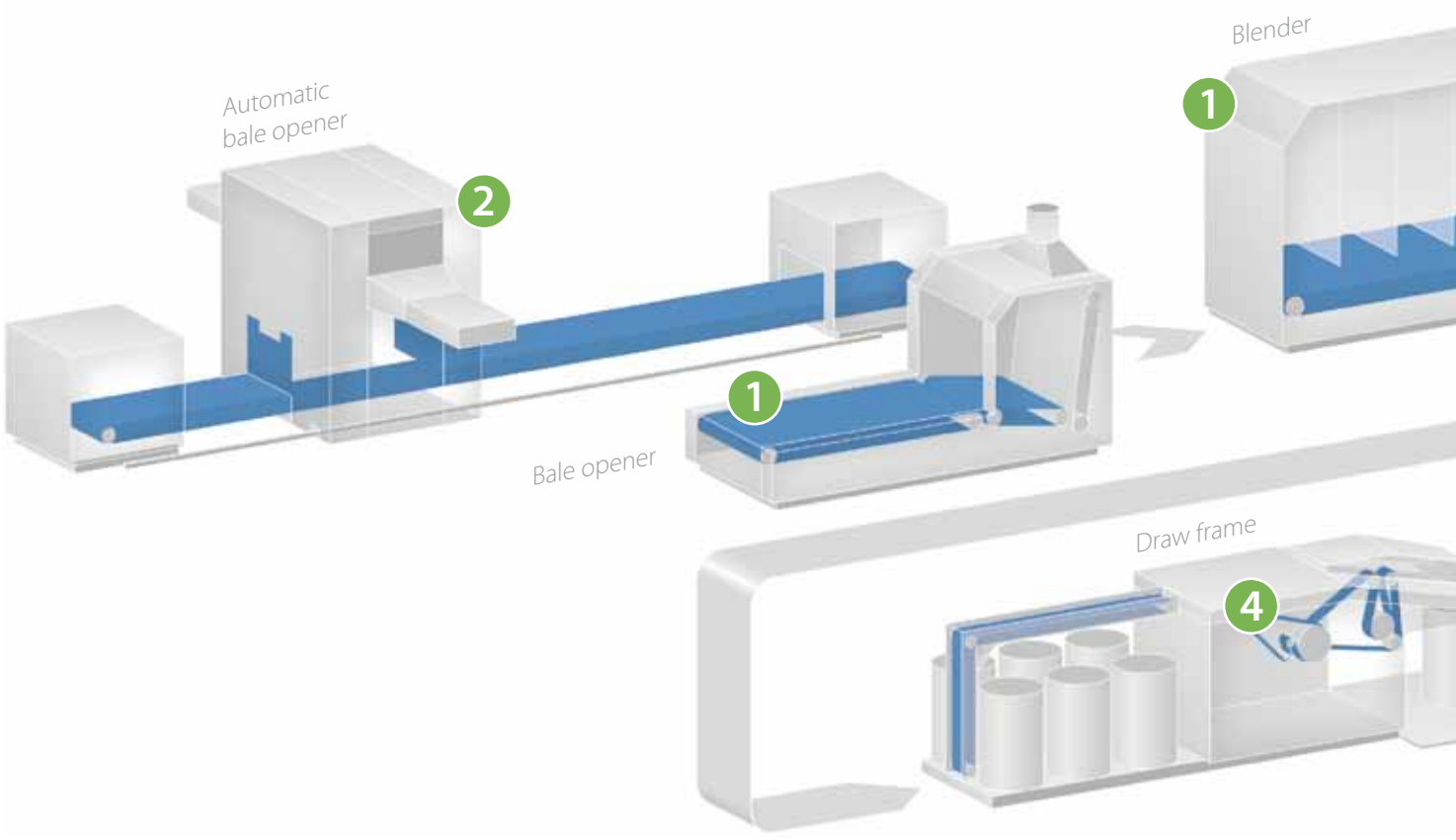
MOVE IT WITH FORBO.

siegling extremultus
flat belts

siegling transilon
conveyor and processing belts

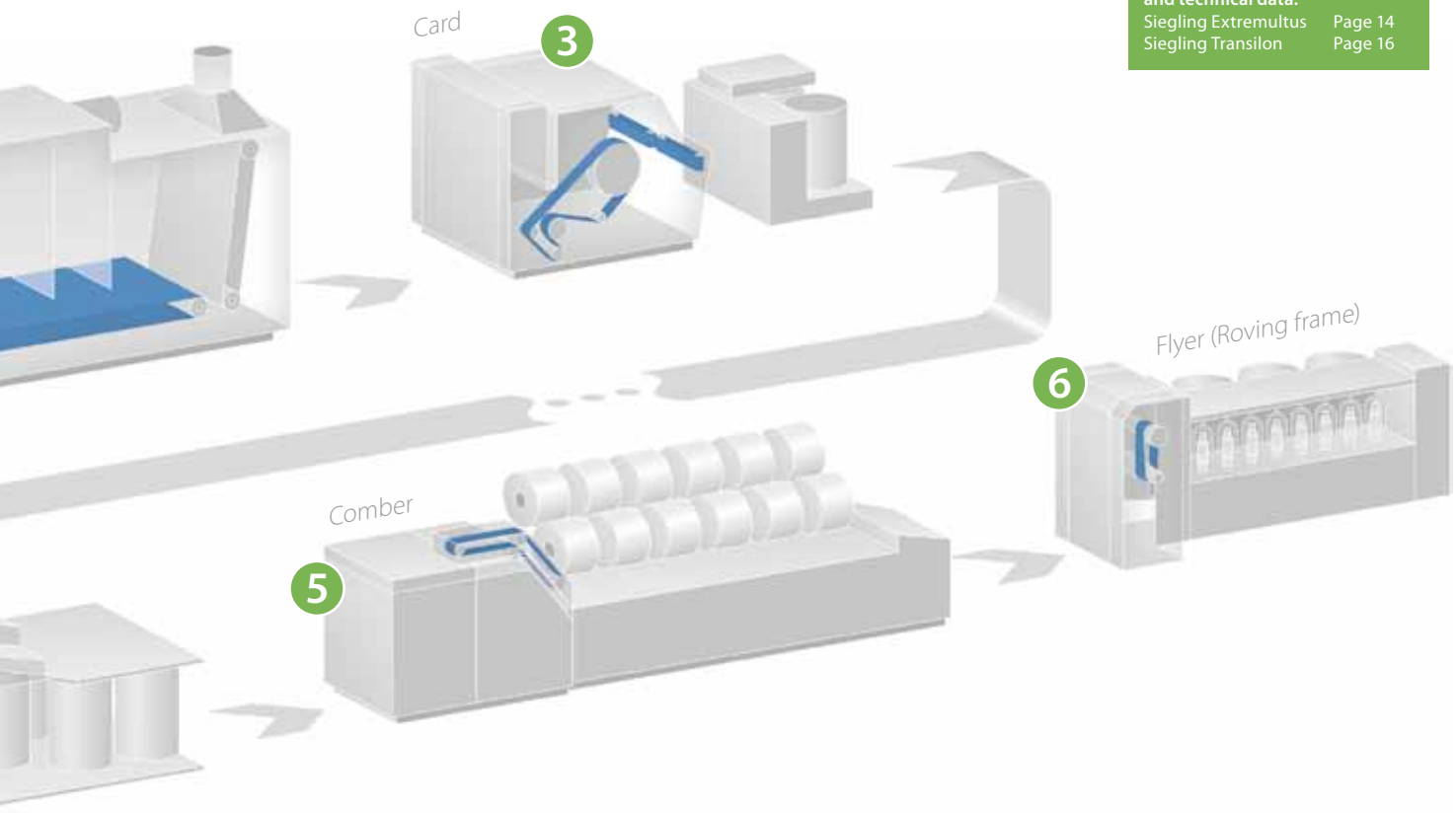
FROM BALE OPENING TO FLYER (ROVING FRAME)

From the bale opening to the flyer (roving frame), Forbo Movement Systems' belting products enhance material flow due to their customized grip and antistatic characteristics. In terms of power transmission, they stand apart for a high level of efficiency of more than 98 % and good damping characteristics.
They help implement diverse drive configurations (e.g. angular and cone drives).



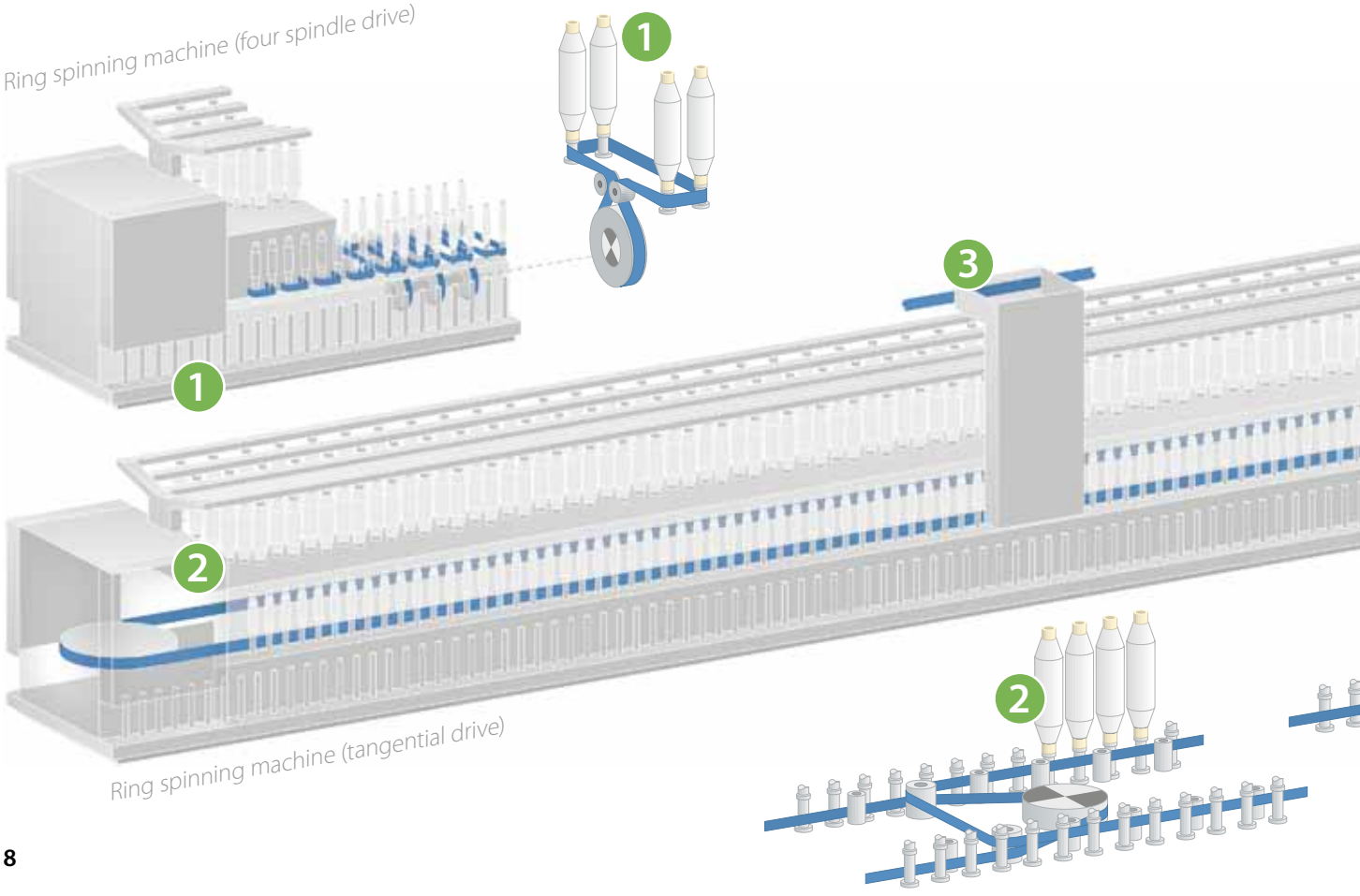
	Process/Machine	Function	Belt type		Article no.
1	Bale opener/ Blending opener	Feeder/Conveyor belts	Siegling Transilon	E 8/2 U0/V5 green	900025
				E 8/2 U0/V2H MT white FDA	906799
				E 8/2 0/V4H MT black	906762
				E 8/2 U0/V5 STR green	900027
				E 8/2 U0/V7 SG black	906286
				E 8/2 U0/V15 LG green	900199
				E 8/2 V1/V1 blue	996060
				E 8/2 V5/V5 STR/GL green	900030
				E 12/2 U0/V7 green	900045
				E 12/2 V5/V10 STR/GL green	900053
				E 18/H U0/U2 MT white FDA	906420
2	Automatic bale opener	Covering belt	Siegling Extremultus	P 27/3 black	900094
			Siegling Transilon	E 6/2 V2/V2 green	909137
3	Card	Drive belt	Siegling Extremultus	GG 20E-20 NSTR/FSTR grey/black	822145
		Cross apron	Siegling Extremultus	UU 40U black/green	850208
				UU 40U FSTR/GL black/green	855596
				UU 40U GSTR/GL black/green	995207
4	Draw Frame	Drive belts	Siegling Extremultus	GG 20E-20 NSTR/FSTR grey/black	822145
5	Comber	Conveyor belt/ machine tape	Siegling Extremultus	UU 20U black/green	850207
				UU 40U black/green	850208
				GG 40U green	855552
				GG 2P grey	850029
				GG 4P grey	850040
				RR 4E-HC+ FSTR/FSTR grey	822151
6	Flyer (Roving frame)	Cone drive	Siegling Extremultus	LT 14P	800009
				LT 20P	800010

Further belt types and technical data:
Siegling Extremultus Page 14
Siegling Transilon Page 16



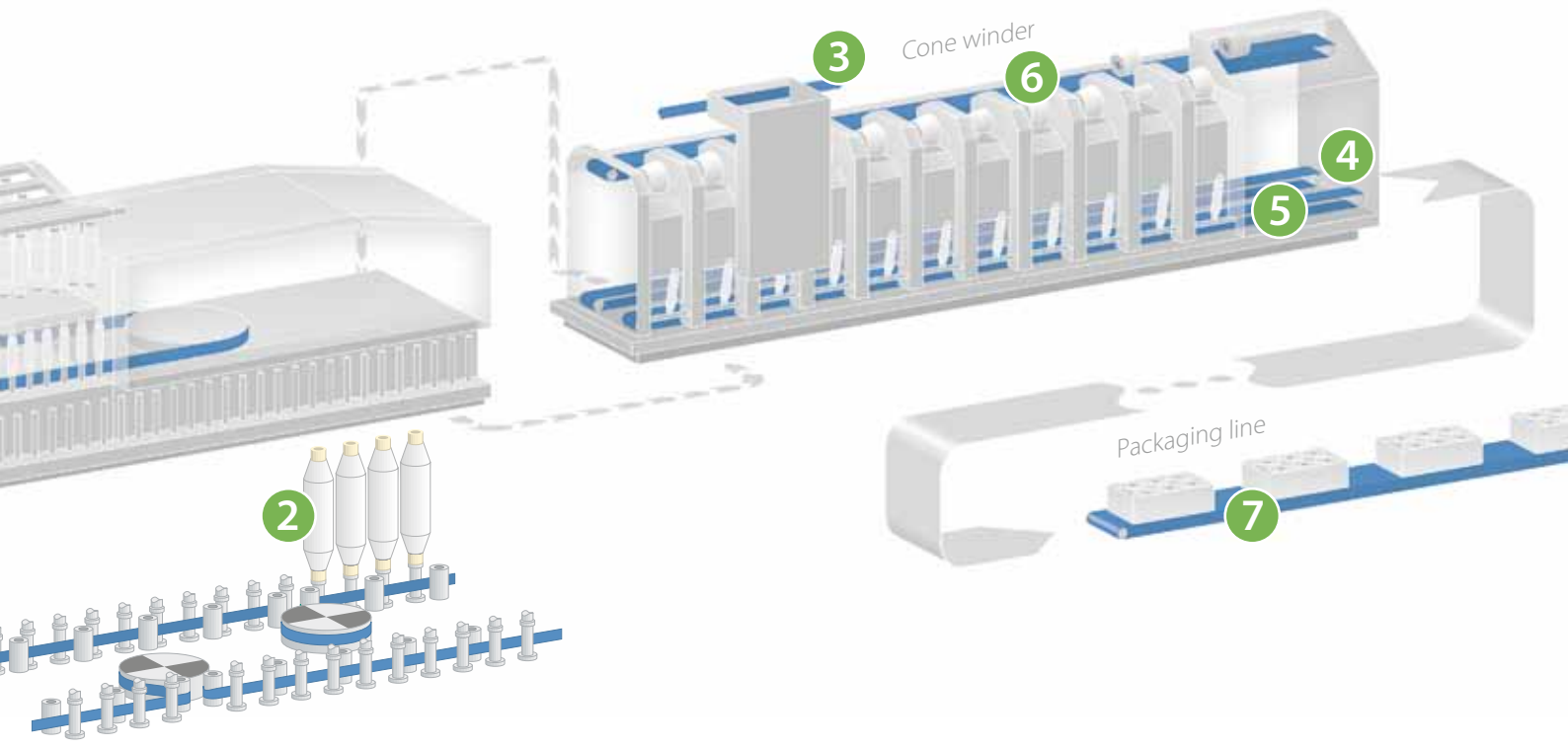
RING SPINNING AND CONE WINDING

Forbo Movement Systems offers special tangential belts for speeds of up to 38 m/s for any drive geometry. Due to minimal fluctuations in speed in the spindle section, low vibration belt tracking and low energy requirements (in particular the Aramide and Polyester line), they help to exploit the productivity potential of all sorts of different ring spinning machines to the full.
A variety of conveyor belts with different characteristics specialize on reliable and productivity-boosting material flow; from the empty bobbins to the cops to the cross-wound packages.



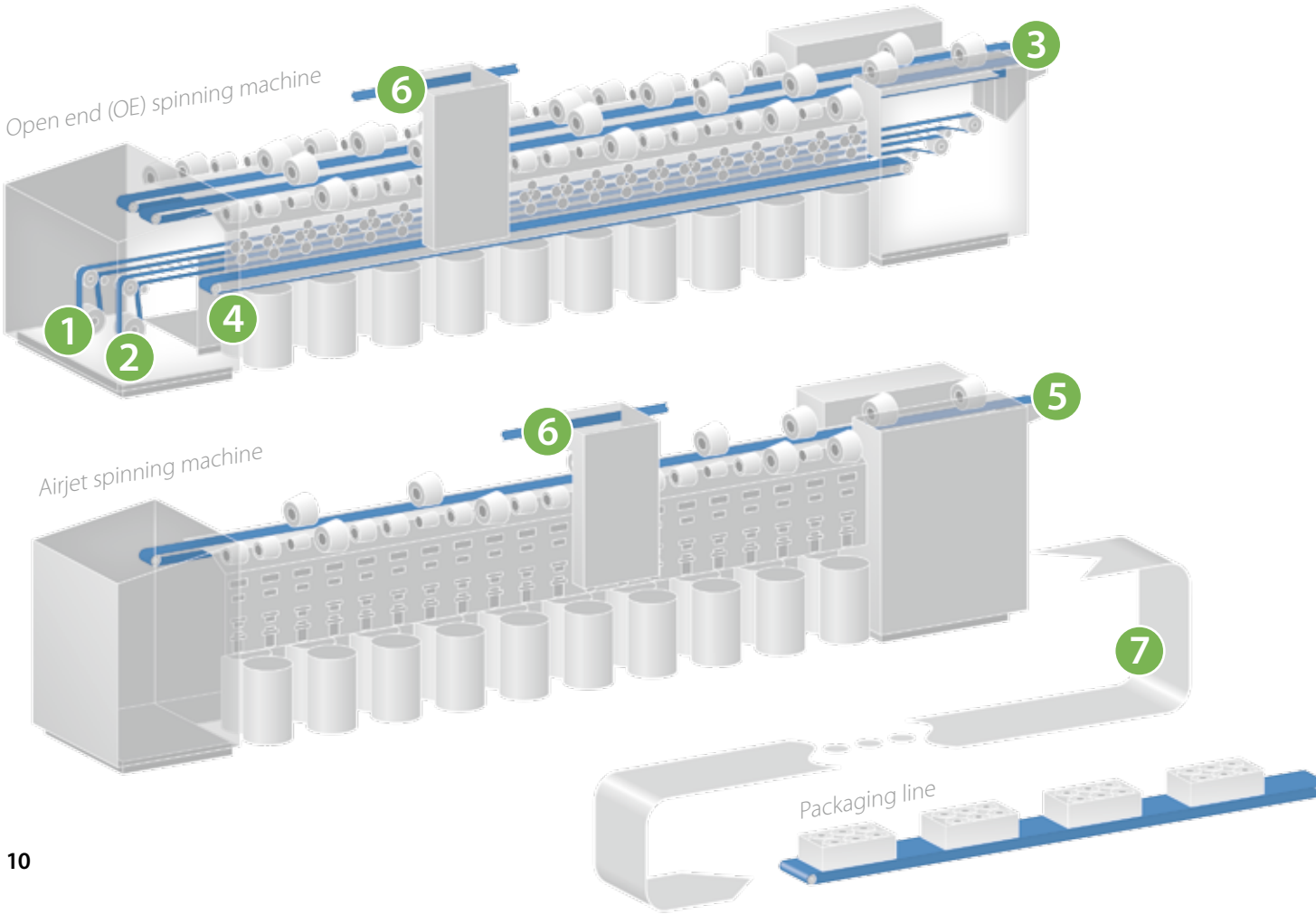
	Process/Machine	Function	Belt type		Article no.
1	Ring spinning machine	Four spindle drive	Siegling Extremultus	UT 8E green/white	822060
				UT 5P green/white	995381
2	Ring spinning machine	Tangential drive	Siegling Extremultus	GG 15P-22 NSTR/FSTR grey/black	855605
				GG 30P-32 NSTR/FSTR grey/black	855607
				GG 20E-20 NSTR/FSTR grey/black	822145
				GG 40E-32 NSTR/FSTR grey/black	822128
				GG 25A-25 NSTR/FSTR grey/black	822130
3	Ring spinning machine and Cone winder	Overhead cleaner	Siegling Extremultus	GG 10P-20 NSTR/FSTR grey/black	855604
				GG 15P-22 NSTR/FSTR grey/black	855605
4	Cone winder	Cross conveyor	Siegling Extremultus	UU40 U black/green	850208
5	Cone winder	Cops/Empty tube conveyor	Siegling Transilon	E 8/2 U0/V2H MT white FDA	906799
				E 8/2 U0/U2 C white FDA	999619
				E 12/2 U0/V/U0 transparent	900164
6	Cone winder	Bobbin conveyor	Siegling Transilon	E 8/2 U0/V2H MT white FDA	906799
				E 8/2 U0/U2 C white FDA	999619
				E 12/2 U0/V/U0 transparent	900164
7	Conveyor	Packaging line	Siegling Transilon	E 12/2 U0/V/U0 transparent	900164

Further belt types and technical data:
Siegling Extremultus Page 14
Siegling Transilon Page 16



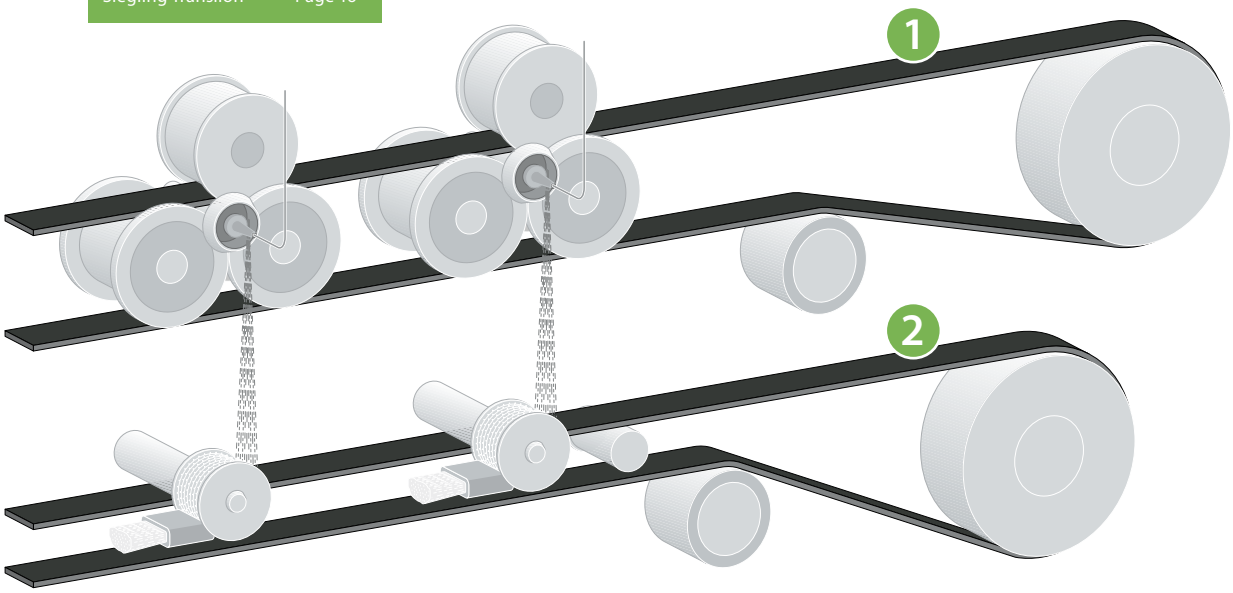
OPEN END (OE) SPINNING AND AIRJET SPINNING

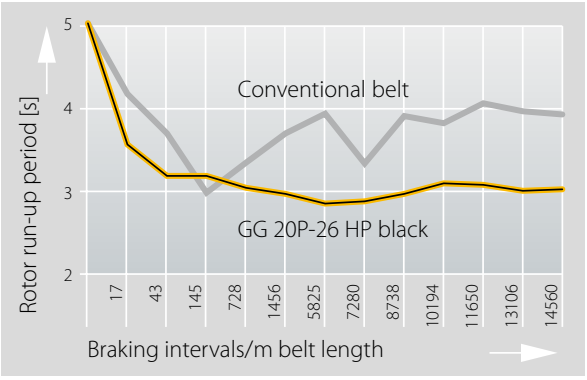
The rotor drive belts' elastomer coatings don't tend to harden (no vitrification) and maintain a consistent friction coefficient after the run-in phase. With belt speeds of up to 70 m/s and as a consequence of its short start up times and consistent rotor speeds an enhanced yarn quality can be achieved over the entire service life. A variety of conveyor belts with different characteristics specialize on reliable and productivity-boosting material flow.



	Process/Machine	Function	Belt type		Article no.
1	OE spinning machines	Rotor drive (automatic machines)	Siegling Extremultus	NP 5650 (GG 20P-26 HP black)	855650
		Rotor drive (semi-automatic mach.)		NP 2161 (GG 20E-25 NSTR/FSTR grey/black)	822161
2	OE spinning machines	Opening roller drive (automatic mach.)	Siegling Extremultus	GG 20P-25 NSTR/FSTR grey/black	855606
		Opening roller drive (semi-autom. mach.)		NP 2161 (GG 20E-25 NSTR/FSTR grey/black)	822161
3	OE spinning machines	Bobbin conveyor	Siegling Transilon	E 12/2 U0/V/U0 transparent	900164
4	OE spinning machines	Trash belt	Siegling Transilon	E 10/1 V1/Z30-Q white	906707
5	Airjet spinning machines	Bobbin conveyor	Siegling Transilon	E 8/2 U0/V2H MT white	906799
				E 8/2 U0/U2 C white FDA	999619
				E 12/2 U0/V/U0 transparent	900164
6	Airjet spinning machines	Overhead cleaner	Siegling Extremultus	GG 10P-20 NSTR/FSTR grey/black	855604
				GG 15P-22 NSTR/FSTR grey/black	855605
7	Conveyor	Packaging line	Siegling Transilon	E 12/2 U0/V/U0 transparent	900164

Further belt types and technical data:
Siegling Extremultus Page 14
Siegling Transilon Page 16



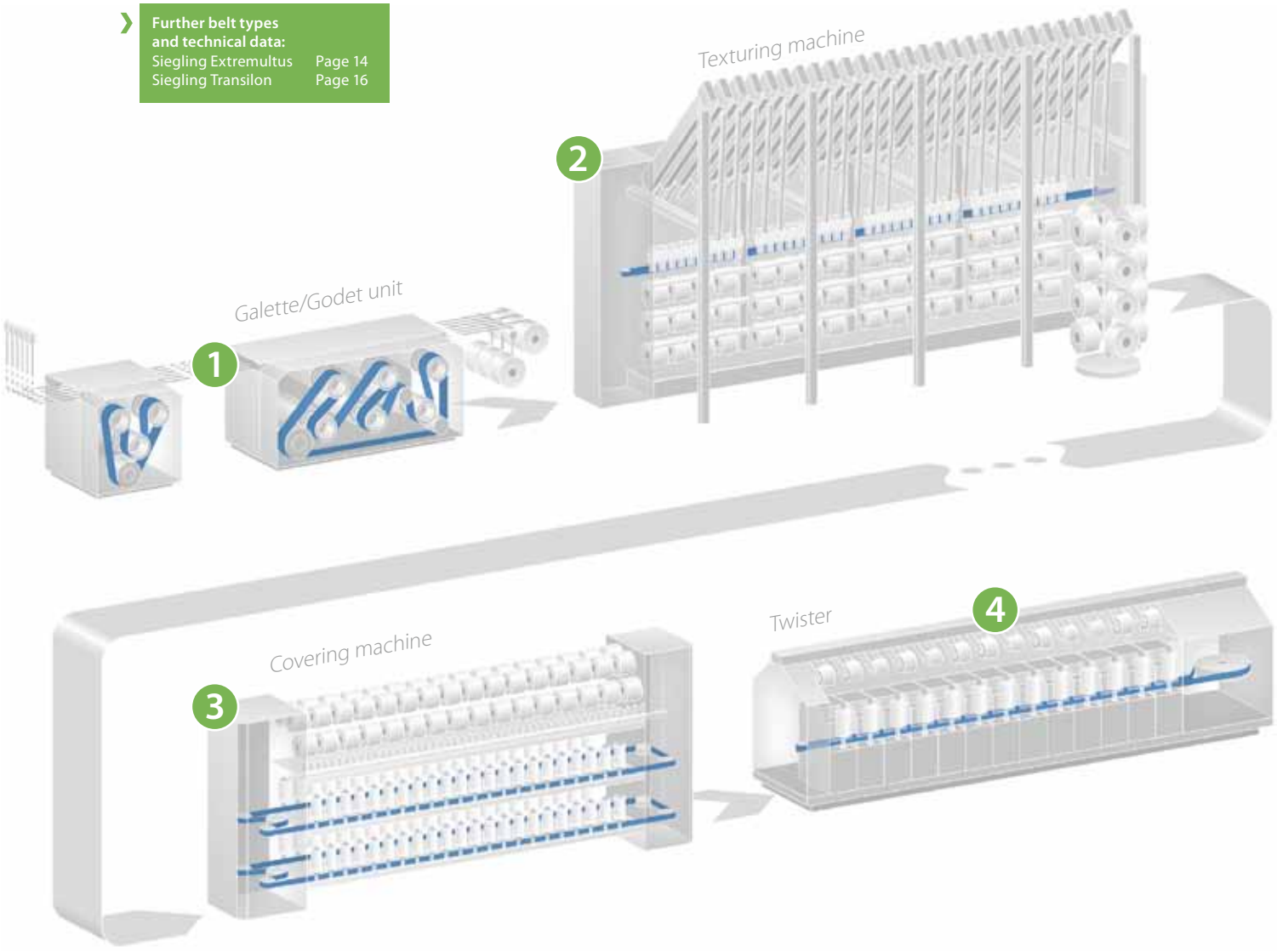


Rotor drive belts put to the test
A belt that is a clear winner with the machinery manufacturer:
The GG 20P-26 HP black

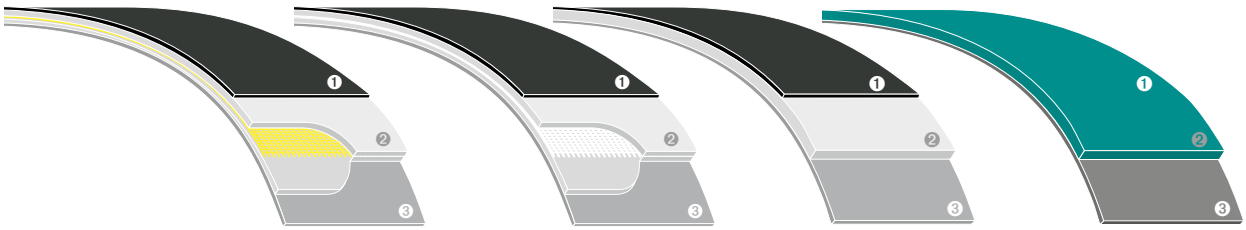
FILAMENT PRODUCTION

	Process/Machine	Function	Belt type		Article no.
1	Galette/Godet unit	Drive	Siegling Extremultus	GG 40A-32 NSTR/FSTR grey/black	822131
				GG 54A NSTR/NSTR black	811055
				GG 30P-32 NSTR/FSTR grey/black	855607
				GG 30P-37 NSTR/NSTR black	855603
2	Texturing machine	Tangential drive	Siegling Extremultus	GG 30P-32 NSTR/FSTR grey/black	855607
				GG 30P-37 NSTR/NSTR black	855603
				GG 30E-30 NSTR/NSTR black	822127
				GG 40E-32 NSTR/FSTR grey/black	822128
				GG 40E-37 NSTR/NSTR black	822129
3	Covering machine	Tangential drive	Siegling Extremultus	GG 20P-25 NSTR/FSTR grey/black	855606
				GG 30E-25 NSTR/FSTR grey/black	822126
4	Twister (TFO), Filament	Tangential drive	Siegling Extremultus	GG 15P-22 NSTR/FSTR grey/black	855605
				GG 20P-25 NSTR/FSTR grey/black	855606
				NP 2161 (GG 20E-25 NSTR/FSTR grey/black)	822161
				GG 30E-25 NSTR/FSTR grey/black	822126
4	Twister (TFO), Yarn (Only staple yarn spinning)	Tangential drive	Siegling Extremultus	GG 15P-22 NSTR/FSTR grey/black	855605
				GG 30P-32 NSTR/FSTR grey/black	855607
				GG 30E-30 NSTR/NSTR black	822127
				GG 40E-32 NSTR/FSTR grey/black	822128
				GG 25A-25 NSTR/FSTR grey/black	822130

Further belt types and technical data:
Siegling Extremultus Page 14
Siegling Transilon Page 16



SIEGLING EXTREMULTUS
COMPARISON OF TYPES



	Aramide line	Polyester line	Polyamide line	Polyurethane line
❶ Top face (Wharve face)	Highly wear-resistant elastomer G (black)	Highly wear-resistant friction coating (elastomer G (black) or polyester blended fabric T (spindle belt))	Chrome leather, highly wear-resistant elastomer G (black) or polyamide fabric	Urethane (green) or highly wear resistant elastomer G (green) coating
❷ Tension member	Thermoplastic, with highly modular blended fabric and aramide warp or truly endless cord	Thermoplastic, with polyester fabric in warp and weft or truly endless cord	Highly oriented polyamide sheet	Highly elastic polyurethane foil
❸ Underside (towards drive)	Highly wear-resistant elastomer G (grey)	Highly wear-resistant elastomer G (grey or black) or highly wear-resistant urethane (green)	Chrome leather or highly wear-resistant elastomer G (black or grey)	Urethane (green) or highly wear resistant elastomer G (green) coating
Characteristics of the tension member	Transmission of very high pull with little elongation	Transmission of high pull with little elongation	Transmission of high pull	Transmission of low effective pull at high elongation
Elongation at fitting (according to requirements)	Power transmission belt: 0.3 % – 1.0 % Tangential belt: 0.3 % – 0.8 %	Power transmission belt: 1.0 % – 2.0 % Tangential belt: 1.5 % – 2.0 % Spindle tape: 0.3 % – 2.0%	Power transmission belt: 1.5 % – 3.0 % Tangential belt: 1.8 % – 2.8 % Rotor belt: 2.5 % – 3.5 % Spindle tape: 0.6 % – 3.0 % Machine tape: 0.6 % – 2%	3 % – 8 %
Flexibility	High	High	Little (power transmission and tangential belts)	Very high
Damping properties (jerky loads)	Low	Good	Very good	Very good
Splice type	Z-splice 110 x 11.5 mm; without adhesives	Z-splice 110 x 11.5 mm, 70 x 11.5 mm or 35 x 11.5 mm; without adhesives	Ground wedge splice; with adhesive	Z-Splice, overlap splice, butt splice; without adhesives
Information about usage	Flat belts with tension members made of aramide fabric are designed for high specific levels of effective pull and short take-up ranges. Careful handling is an important prerequisite for smooth-running operation in the Aramide line.	Flat belts with tension members made of polyester fabric are able to transmit high specific pull. They are an optimal solution for numerous applications.	Flat belts with polyamide tension members are rugged and laterally stiff. The belts stand out due to their good damping properties.	Flat belts with polyurethane foil tension members are particularly suitable when subjected to extreme counter bending at small drum diameters. The belts have good tracking characteristics and are particularly well suited for machinery with short center distances, and small drum diameters. No tensioning devices required.

SIEGLING EXTREMULTUS
PRODUCT RANGE YARN PRODUCTION

	Article number	Total thickness approx. [mm]	d_{min} approx. [mm]*	Nominal effective pull approx. [N/mm]**	Nominal working elongation [% of belt lenght]	Max. transmittable effective pull [N/mm belt width]	Elongation at fitting [% of belt lenght]	Weight approx. [kg/m²]	Permissible operating temperature [°C]	Z-Splice*** splice lenght [mm]	Ground wedge splice***
Aramide line											
GG 25A-25 NSTR/FSTR grey/black	822130	2.5	40	25	1.0	28	0.3 – 1.0 [3]	2.7	-20/+70	110	
GG 40A-32 NSTR/FSTR grey/black	822131	3.2	60	40	1.0	42	0.3 – 1.0 [3]	3.45	-20/+70	110	
GG 54A NSTR/NSTR black	811055	2.8	150	54	1.0	54	0.3 – 1.0	2.8	-20/+60	truly endless	
UU 15A-17 FSTR/FSTR green	995473	1.7	30	15	0.8	15	0.3 – 0.8	1.9	-20/+70	110	
Polyester line											
GG 20E-20 NSTR/FSTR grey/black	822145	2.0	24	20	2.0	20	1.0 – 2.0 [3]	2.2	-20/+70	35 [1]/70/110	
NP 2161 (GG 20E-25 NSTR/FSTR grey/black)	822161	2.5	24	20	2.0	20	1.5 – 2.0		-20/+70	110	
GG 30E-25 NSTR/FSTR grey/black	822126	2.5	30	30	2.0	30	0.5 – 2.0 [3]	2.75	-20/+70	35 [1]/70/110	
GG 30E-30 NSTR black	822127	3.0	60	30	2.0	35	0.5 – 2.0 [3]	3.25	-20/+70	70/110	
GG 40E-32 NSTR/FSTR grey/black	822128	3.2	60	40	2.0	44	0.5 – 2.5 [3]	3.45	-20/+70	110	
GG 40E-37 NSTR black	822129	3.7	60	40	2.0	44	0.5 – 2.5 [3]	4.15	-20/+70	110	
RR 4E-14 HC+ FSTR grey	822151	1.35	14				0.3 – 2.0	1.4	-20/+70	35	
UT 8E green	822060	0.7	10	8	2.0	8	0.3 – 2.0	0.6	-20/+70	35	
Polyamide line											
GG 2P grey	850030	1.2	14				0.6 – 2.0	1.30	-20/+80	35	●
GG 4P grey	850040	1.4	14				0.6 – 2.0	1.60	-20/+80		●
GG 10P-20 NSTR/FSTR grey/black	855604	2.0	30	10	2.0	12.5	1.5 – 3.0 [3]	2.15	-20/+80		●
GG 15P-22 NSTR/FSTR grey/black	855605	2.2	40	15	2.0	19	1.5 – 3.0 [3]	2.3	-20/+80		●
GG 20P-25 NSTR/FSTR grey/black	855606	2.5	60	20	2.0	25	1.5 – 3.0 [3]	2.8	-20/+80		●
NP 5650 (GG 20P-26 HP black) [2]	855650	2.6	90	20	2.0	25	2.5 – 3.5	3.0	-20/+80		●
GG 30P-32 NSTR/FSTR grey/black	855607	3.2	125	30	2.0	37.5	1.5 – 3.0 [3]	3.5	-20/+80		●
GG 30P-37 NSTR/NSTR black	855603	3.7	125	30	2.0	37.5	1.5 – 3.0 [3]	3.9	-20/+80		●
GT 14P black	850046	1.8	40	14	2.0	17.5	1.5 – 3.0	1.8	-20/+80		●
GT 20P black	850047	2.5	60	20	2.0	25.0	1.5 – 3.0	2.65	-20/+80		●
GT 28P black	850048	3.3	120	28	2.0	35	1.5 – 3.0	3.3	-20/+80		●
LL 14P [4]	800017	3.5	60	14	2.0	17.5	1.5 – 3.0	3.6	-40/+80		●
LL 20P [4]	800018	4.4	90	20	2.0	25.0	1.5 – 3.0	4.2	-40/+80		●
LT 14P [4]	800009	2.4	60	14	2.0	17.5	1.5 – 3.0	2.6	-40/+80		●
LT 20P [4]	800010	3.4	90	20	2.0	25.0	1.5 – 3.0	3.4	-40/+80		●
LT 20E [4]	810003	2.3	80	20	1.0	20.0	0.5 – 1.5	2.5	-20/+60	truly endless	
LT 28E [4]	810004	2.9	130	28	1.0	28.0	0.5 – 1.5	3.2	-20/+60	truly endless	
P 27/3 black FDA	900094	3.1	250				0.5 – 2.5	3.5	-40/+80		●
UT 5P green	995381	0.7	14	5	2.0	5	0.5 – 2.0	0.5	-20/+80	35	●
Polyurethane line											
GG 40U green	855552	1.4	20				3 – 8	1.6	-20/+60	35	
UU 20U black/green	850207	1.1	10				3 – 8	1.2	-20/+60	35	●
UU 40U black/green	850208	1.1	14				3 – 8	1.2	-20/+60	35	●
UU 40U FSTR/GL black/green	855596	1.0	14				3 – 8	1.05	-20/+60	35	●
UU 40U GSTR/GL black/green	995207	1.0	14				3 – 8	1.05	-20/+60	35	●

Legend

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

* Lower temperatures require larger drum diameters. For the Polyamid 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.

*** Instructions on endless splices obtainable from your Forbo Siegling partner.

[1] 35 mm Z-splice possible for certain applications

[2] HP precision ground texture on both sides available only as endless belt

[3] For tangential belts:
Aramide line 0.3 – 0.8 %
Polyester line 1.5 – 2 % (822128/822129 max. 2.5 %)
Polyamide line 1.8 – 2.8 %

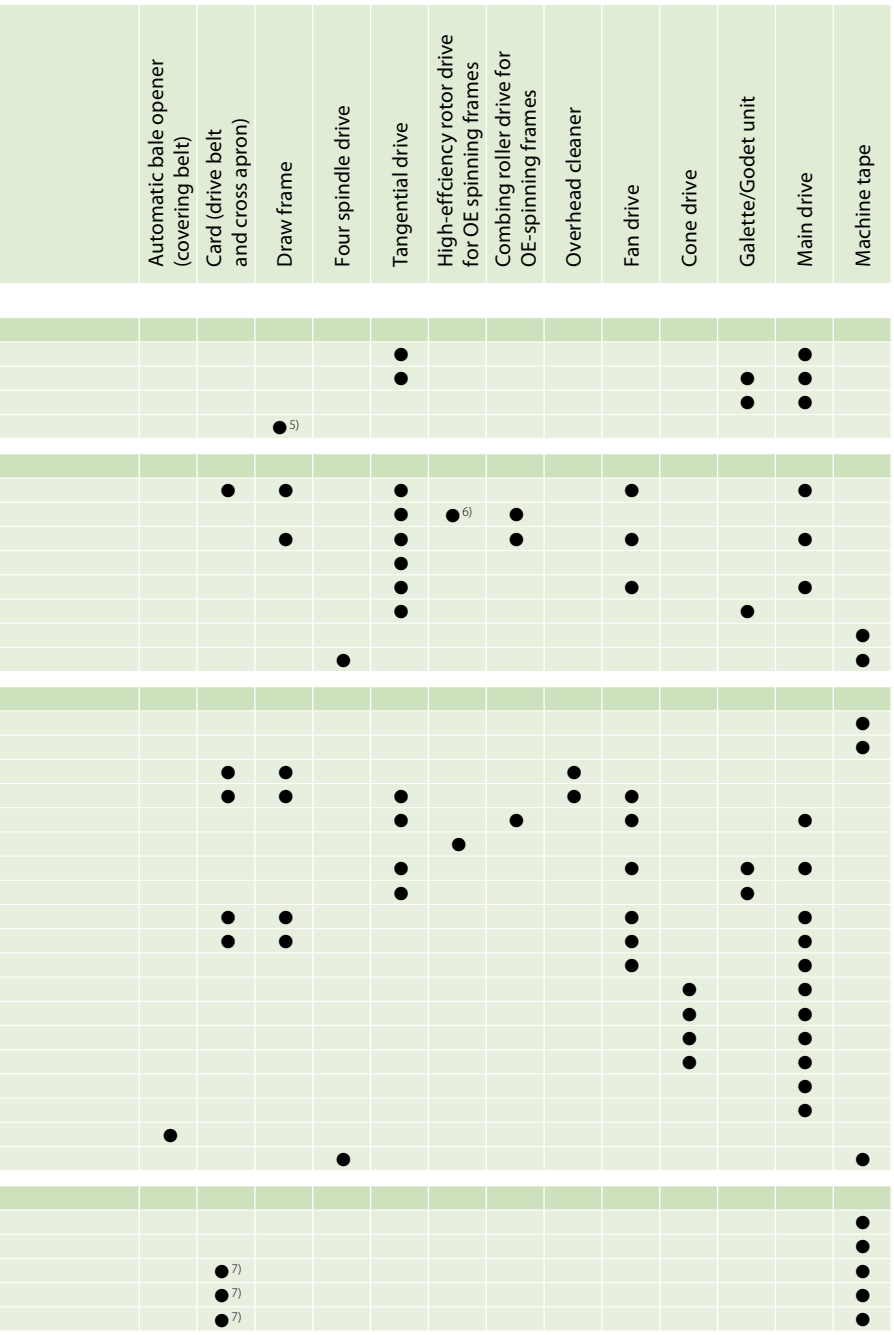
[4] Drives where oil and grease are a major factor

[5] Creel

[6] Semi-automatic

[7] Cross apron

● Yes/suitable



Type code

G	**G**	**20**	**E - 20**			**NSTR / FSTR**	**grey/black**
R	**R**	**4**	**E - 14**	**HC+**		**FSTR**	**grey**
U	**U**	**40**	**U**			**FSTR / GL**	**black/green**

- Color top face
- Color overall or underside
- Surface pattern top face
- Surface pattern overall or underside
- Electrostatic property
- Total thickness [1/10 mm]
- Material of tension member
- Type number
- Coating top face
- Coating underside

Supplied as

- Roll material for independent belt fabrication
- Endless belts***
- Belts prepared for hot-pressing on site***

A = Aramide
E = Polyester
G = Elastomer G
L = Chrome leather
P = Polyamide
T = Blended or polyamide fabric
U = Polyurethane

FSTR = Fine texture
GL = Glossy
GSTR = Coarse texture
HP = Ground texture
NSTR = Normal texture

SIEGLING TRANSILON
PRODUCT RANGE YARN PRODUCTION

	Article number	Total thickness approx. [mm]	Weight approx. [kg/m²]	Effective pull at 1% elongation ($k_{1\%}$ relaxed) [N/mm belt width]*	d_{min} approx. [mm]**	Permissible operating temperature [°C]	Hardness of the top face coating as per DIN 53505 [Shore A]	Delivery width [mm]	Stiff laterally	Troughable	Very low noise	Suitable for accumulation	Profiles on the top face/ underside/side wall
Tension member of polyester fabric													
E 3/2 U0/U0 transparent FDA	900009	1.2	1.1	4.5	14/r3	-30/+100		4600 [1]	●			●	●/●/–
E 3/2 U0/U2 HACCP white FDA	900103	1.4	1.6	5.5	24/r3	-30/+100	85	3100 [1]/4600 [2]	●				●/●/●
E 4/1 U0/V5H MT green	900171	1.1	1.25	3	30	-10/+70	85	3100/4600 [2]	❍	●		❍	●/●/–
E 5/2 0/V5H MT black	906176	1.9	2.2	3.5	30	-10/+70	85	2800 [1]		●	●	●	●/●/–
E 6/4 V2/V2 green	909137	4.5	5.6	4.5	200	-10/+70	75	2000	●●				[3]/[3]/–
E 8/2 0/R10 S/LG black	906630	2.5	2.3	7.5	40	-30/+100	55	3000	●		●●		●/●/–
E 8/2 0/V4H MT black	906762	1.9	2.1	7.5	40	-10/+70	85	3100 [1]	●		●	●	●/●/–
E 8/2 0/V5H S/MT black	996141	2.2	2.5	8	40	-10/+70	85	3000 [1]/4500 [2]	●		●●	●	●/●/–
E 8/2 U0/U2 C white FDA	999619	1.25	1.3	5.5	14	-30/+100	86	2100 [1]		●			●/●/–
E 8/2 U0/U2 green FDA	900320	1.4	1.6	6	24/r5	-30/+100	85	3000 [1]/4550 [2]	●			●	●/●/●
E 8/2 U0/V15 LG green	900199	3.1	3.4	8	40	-10/+70	45	3100 [1]	●		●		●/●/–
E 8/2 U0/V20 AR green	900037	4.9	4	6	40	-10/+70	45	2400 [1]	●		●		●/●/–
E 8/2 U0/V2H MT white FDA	906799	1.5	1.65	6	40	-10/+70	86	4000 [1]	●			●	●/●/–
E 8/2 U0/V5 green	900025	2.1	2.5	7.5	30	-10/+70	75	4600 [1]	●		●		●/●/●
E 8/2 U0/V5 STR green	900027	2.4	2.7	6	30	-10/+70	75	3100 [1]	●				●/●/●
E 8/2 U0/V7 SG black	906286	2.3	2.45	6	40	-10/+70	45	3100 [1]	●				●/●/–
E 8/2 V1/V1 blue	996060	2	2.35	5.25	50	-10/+70		3100 [1]/4700 [2]	●	❍		❍	●/●/–
E 8/2 V5/V5 STR/GL green	900030	2.65	3.2	6.5	40	-10/+70	75	3000 [1]	●				●/●/●
E 8/2 Y0/V4 GSTR black	996125	2.1	2.25	5.25	40	-10/+70	70	3000 [1]	●	❍	●●		●/●/–
E 10/1 U1/Z30-Q white	906707	4.2	1.9	9	40	-30/+100		1450		●			–/●/–
E 12/2 U0/V/U0 transparent	900164	1.5	1.55	10.5	60	-10/+70		3100 [1]	●	❍	●	●	●/●/–
E 12/2 U0/V7 green	900045	2.85	3.4	10.5	60	-10/+70	75	4650 [1]	●●		●		●/●/●
E 12/2 V5/V10 STR/GL green	900053	3.25	3.9	11.5	60	-10/+70	75	3100 [1]	●●				●/●/[3]
E 18/H U0/U2 MT white FDA	906420	1.75	1.75	17.5	20 [2]	-30/+100	85	4750 [2]	●	❍		●	●/●/●

Legend

* Established in line with ISO 21181:2005

** • Minimum drum diameter d_{min} with counter-bending (top face touches drum)
• Minimum drum diameter d_{min} with bending (driving face touches drum)
• Minimum radius r_{min} of a fixed knife edge (rX) or minimum diameter d_{min} of a rolling knife edge (dX) (driving face touches knife edge)
Missing values on request. 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)

[1] Larger widths with longitudinal seam possible

[2] Maximal widths without longitudinal seam on request

[3] Please enquire

● Yes

●● Yes, particularly suitable

❍ Partly suited, on request

Tension member fabric
E = Polyester
NOVO = Polyester felt

Coatings
0 = Fabric uncoated
P = Polyamide
R = High Grip
U = Polyurethane
U…H = Polyurethane hard
U0 = Polyurethane impregnation
V = Polyvinyl chloride
V…H = Polyvinyl chloride hard
Z = Velour

Surface patterns
AR = Rough-top
GSTR = Coarse texture
GL = Smooth
LG = Longitudinal groove
MT = Matte
SG = Lattice
STR = Normal texture

Belt properties
C, Q = Laterally flexible, suitable for curved belts
FDA = Food safe in compliance with EC/FDA (see data sheet)
HACCP = Supports the HACCP concept
HC = Highly-conductive
M = Particularly stiff laterally
S = Very low noise

Automatic bale opener (covering belts)	Bale opener/ Blender (Feeder belt)	Cone winder (Cops/Empty tube conv.)	Cone winder: (Tray conveyor)	Trash conveyor	Conveying of cross-wound bobbins	Packaging line
		●	●			●
		●			●	●
				●		
		●			●	●
●						
		●	●			●
	●	●	●		●	●
	●	●	●		●	●
		●			●	
		●	●			●
	●	●				●
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	●	●	●			●
	●					●
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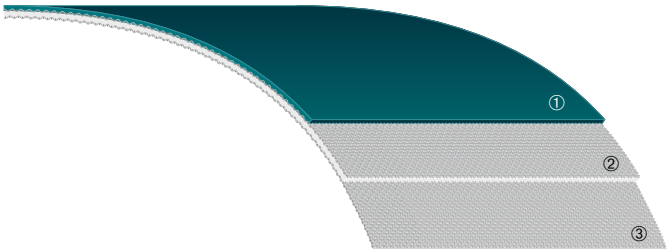


Siegling Transilon product structure

Top face ①
Various coating materials, thicknesses and patterns determine grip, chemical, physiological and mechanical properties of the belt.

Tension member ②
The use of various special fabrics largely determines the suitability for specific applications. Belt tracking properties, load/elongation properties, electrostatic properties, flatness, knife edge and curve suitability are directly dependant on the fabric design.

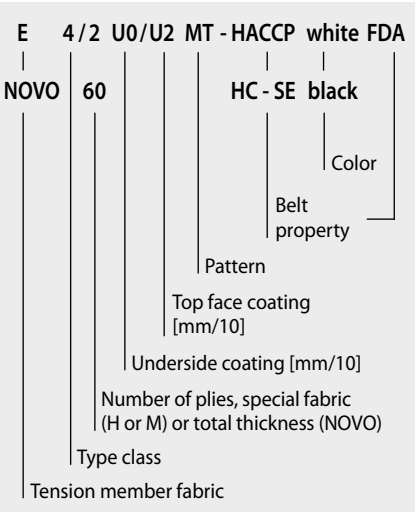
Underside ③
The design of the underside determines the noise emission, wear, and suitability for sliding-or rolling support of the belt.

Supplied as

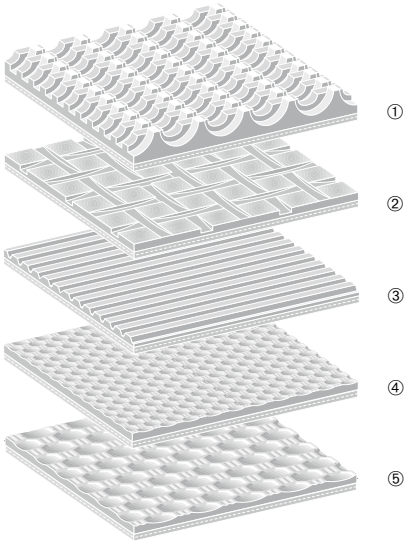
- Endless belts***
- Belts prepared for hot or cold-pressing on site***
- Roll material for customer to fabricate belt
- Belts with mechanical fasteners
- Belts with sealed edges
- Belts with profiles welded on (longitudinal, lateral, diagonal, half-round)
- Belts with sidewall profiles
- Belts with perforations or eyelets

*** Z-splice is standard
Please specify if another splice is required.

Type code



Patterns



① Rough-top (AR)
② Lattice (SG)
③ Longitudinal groove (LG)
④ Normal texture (STR)
⑤ Coarse texture (GSTR)

ADVANCED SPLICING TECHNOLOGY

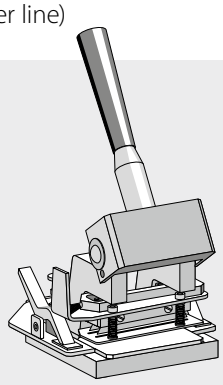
Forbo Siegling is a leading manufacturer of conveyor and power transmission belts. It offers not just first-class splicing equipment, but in-depth theoretical and application-driven splicing expertise.

The tools complement one another and guarantee efficient and durable splices due to:

- high-quality equipment with all the accessories;
- a comprehensive range of services;
- detailed instructions.

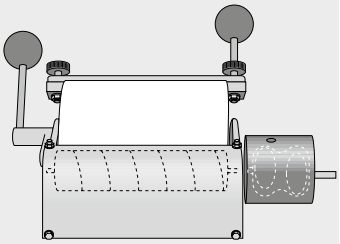
Splice preparation tools

for Z-splices (aramide and polyester line)



Manual punch presses
for Z-splices
PP-ZP-V/40/3 und
PP-ZP-V/80/6

for wedge splices (polyamide line)



PG-GM-V/130
grinding device
for wedge grinding

Heating presses

for belt widths of up to 1500 mm

Siegling Blizzard HP 160

for belt widths of up to 40 mm

Siegling Blizzard HC 120/40

The new Siegling Blizzard heating presses are exceptionally user-friendly and very efficient. All heating and cooling processes run automatically once the press has been adjusted and the start button pressed. The heating presses deliver first-class splices with excellent repeat accuracy.

A control, compressor (only in HP 160) and air cooling are integrated. Therefore, external subsystems are no longer required.

Siegling – total belting solutions

Committed staff, quality oriented organization and production processes ensure the constantly high standards of our products and services.

Forbo Movement Systems complies with total quality management principles. Our quality management system has ISO 9001 certification at all production and fabrication sites. What's more, many sites have ISO 14001 environmental management certification.

Forbo Siegling service – anytime, anywhere

The Forbo Siegling Group employs around 2,400 people. Our products are manufactured in ten 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.

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MOVEMENT SYSTEMS

Ref. no. 296-2
03/21 · UDH ·