

Siegling Extremultus flatbelts

Tolerances · Standard sizes · Availability

Excerpt from „Technical information“
Ref. no. 316, Issue 07/2007

Tolerances

Production tolerances (lengths)

E/ A and elastic line

300	–	5000 mm	± 0.30 %
5000	–	15000 mm	± 0.20 %
over		15000 mm	± 0.15 %

P line

300	–	5000 mm	± 0.50 %
5000	–	15000 mm	± 0.30 %
over		15000 mm	± 0.20 %

Endless line (helically-wound endless types)

550	–	1000 mm	± 0.50 %
1000	–	5000 mm	± 0.40 %
over		5000 mm	± 0.30 %

Production tolerances (widths)

E/ A and elastic line

10	–	120 mm	+ 0.2/– 0.3 mm
120	–	500 mm	± 1.5 mm
500	–	1000 mm	± 5.0 mm

P line

10	–	50 mm	– 1.0 mm
50	–	120 mm	± 2.0 mm
120	–	500 mm	± 3.0 mm
500	–	1000 mm	± 10.0 mm

Endless line (helically-wound endless types)

20	–	50 mm	± 1.0 mm
50	–	100 mm	± 1.5 mm
100	–	250 mm	± 2.0 mm
over		250 mm	± 3.0 mm

Production tolerances (punching)

P/ E/ A and elastic lines

Diameter of hole	± 0.5 mm
Spacing between holes	± 1.0 mm

The manufacturing tolerances listed depend on manufacturing processes. They do not include any changes in width or length that could occur after manufacture from fluctuations in ambient conditions or other external influences.

The tolerance range may not be increased or decreased at will. Special tolerances are possible. Please consult us.

Availability

Endless

All lines can be supplied as finished endless belts ready to be fitted.

Open

The P, E and A lines as well as the elastic types are available open as roll material:

	width	max. length
up to	750 mm	150 m
up to	1000 mm	75 m

Prepared

For on-site fittings, the P, E and A lines as well as the elastic types are available prepared:

- cut at 90° or 60° angle
- one end prepared for splicing
- both ends prepared for splicing

On request, our service in your vicinity will carry out belt fitting jobs.

Standard sizes

Lengths and widths available for belts finished endless

(special sizes available on request)

Length min. [mm]	Width max. [mm]	Splice angle [°]	Types	Thickness max. [mm]
E line (layboy tapes) and elastic line (Z-splice 35 x 5.75 and butt splice)				
320	300		all	
1090	650		all	
E line (power transmission and tangential belts, folder and carrier belts) and A line (Z-splice 70 x 11.5 und Z-splice 110 x 11.5)				
1090	650		all	
P line (wedge splice)				
750	135	60/90	to type 40	4.5
1280	220	60/90	to type 40	4.5
1380	300	60/90	to type 40	5.0
1450	500	60	all	7.5
2000	750	60	all	7.5
3000	1000	60	all	7.5



MOVEMENT SYSTEMS

Siegling Transilon conveyor and processing belts

Availability · Standard sizes · Tolerances

Excerpt from „Technical information 1“
Ref. no. 317, Issue 07/2007

Siegling Transilon conveyor and processing belts are available as

- endless belts
- belts prepared for hot or cold-pressing on-site
- roll material for individual fabrication
- belts with metal or plastic mechanical fasteners
- belts with sealed edges (Proseal)
- belts with profiles welded on (longitudinal, lateral, diagonal, half-round)
- belts with sidewalls
- belts with perforations
- special constructions with metal eyelets, trip foil strips, special labelling, etc.

Information about the finishing of special types such as profile, perforated or curved belts can be found in our brochure ref. no. 318 “Technical Information 2”.

Roll material

Production lengths, roll diameter, weight and width are limited for roll material. The following are available as one piece:

Types	Length
1-ply, 2-ply without pattern	to 550 m
3-ply without pattern	to 275 m
E 10/M without pattern	to 250 m
E 10/M with pattern, E 15/M	to 180 m
E 20/M	to 135 m
Patterned belts	on request

Larger sizes and constructions with profiles or sidewalls often require special transport devices. Please inquire.

Minimum lengths for endless belts [mm]

Belt width	Shortest belt lengths (mm)	
	splice < 90°	splice < 80° (on request)
up to 200	700	950
up to 300	700	1000
up to 400	700	1050
up to 500	700	1150
up to 600	900	1250
up to 800	900	1400
up to 1000	1250	1550
up to 1250	1300	1750
up to 1500	1400	2000
up to 1750	1400	2300
up to 2000	1400	2600
up to 2250	1600	2900
up to 2500	1600	3200
up to 2750	1600	3500
up to 3000	1600	3800
up to 3500	2300	4500
up to 4000	2300	5000
up to 4400	2300	5500
up to 5000	2500	
up to 6000	2500	

Please inquire about shorter belt lengths and larger belt widths.

Sets of belts

We fabricate sets of belts of the same length.

max. Length = 10500 mm

max. width of set = 600 mm

Special types on request.

When ordering please specify which belts belong to one set so that they can be supplied bundled as a set. Slight differences in length which cannot be avoided with synthetics can best be counterbalanced by placing the longest belts in the centre of the set when fitting.



MOVEMENT SYSTEMS

Maximum widths, approx. [mm]

Types	Endless belts without long. seam	Endless belts with 1 long. seam	Endless belts with 2 long. seams
one-ply	to 4.700*	on request	on request
2-ply/3-ply*	1400	2700	4000
	1500	2900	4300
	3000	6000	6000**
	4600*	6000	6000**
E 10/M (U)	1450	2800	4200
E 10/M (V)	3000	6000	6000**
E 15/M	2500	5000	6000**
E 20/M	1600	3100	4600

* types available on request
 ** larger widths available on request

Transilon is produced in widths of 1400 to 4700 mm, depending on the type and surface material. Belts longer than 30000 mm with widths over 5000 mm available on request.

Note:

If they can be supplied with a longitudinal seam, belts with patterned top faces may have small changes in the pattern in the area of the seam.

If two longitudinal seams are required, they will be fabricated symmetrically to the centre of the belt.

Fabrication tolerances

Width tolerances***		Length tolerances	
from 10 to 200 mm	± 2 mm	from 700 to 1500 mm	± 0,8 %
over 200 to 600 mm	± 4 mm	over 1500 to 2500 mm	± 0,5 %
over 600 to 1400 mm	± 6 mm	over 2500 to 5000 mm	± 0,4 %
over 1400 to 2700 mm	± 10 mm	over 5000 to 10000 mm	± 0,3 %
over 2700 to 4300 mm	± 14 mm	over 10000	± 0,2 %
over 4300 to 6000 mm	± 18 mm		

*** for belts with longitudinal seam tolerance values are double in the width

These fabrication tolerances are determined by the fabrication process.

These tolerances do not include changes in width or length which can arise after fabrication due to fluctuations in ambient conditions or other external factors.

The tolerance range may not be extended up or down arbitrarily.

Special tolerances are also possible. Please ask.

In order to guarantee repeat accuracy around the splice there are different length tolerances for Transilon with special surface imprints such as for example in the CH, R80, R, KN, VN pattern.

Please note the repeat info and different length tolerances in the technical product data sheets.



MOVEMENT SYSTEMS