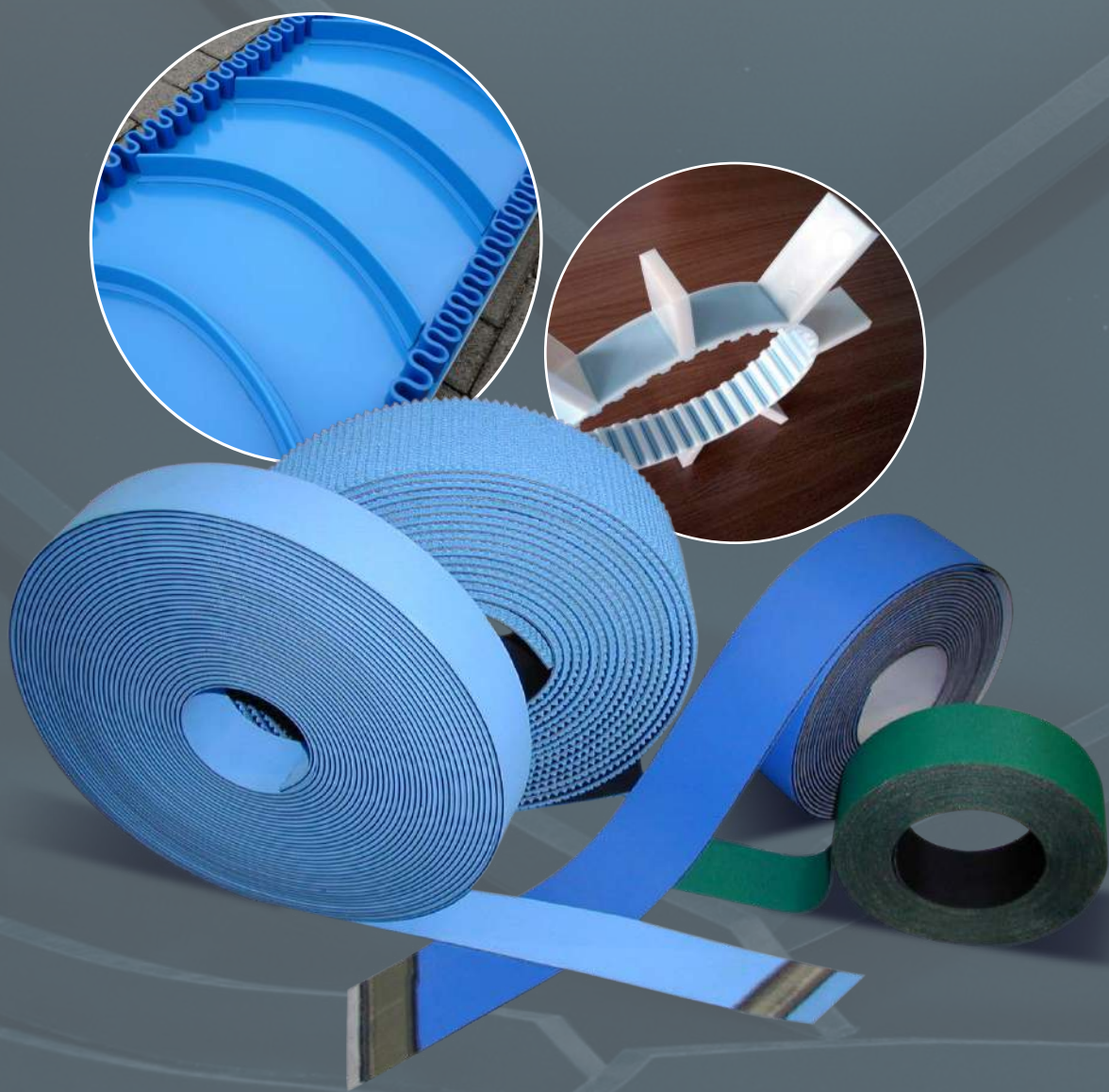


PVC - PU - TPE

SKANPOL CONVEYOR BELTS



SBK



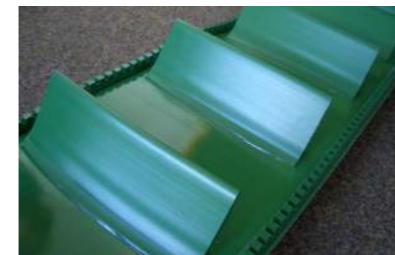
SKANDINAVISK A/
BÄNDKOMPAGNI /S

PRODUKTPROGRAM

SKANPOL conveyor belts are produced on some of the industry's newest machinery. The belts have a uniform, wear-resistant quality that guarantees a long service life and low maintenance. The range includes a wide variety of qualities – to meet many different applications. We supply everything from soft PVC to hard special polyester/Hytrel®.

SBK's strength lies in our know-how and years of experience of advising on belts and conveyors, including consultancy and engineering solutions for most applications.

We have more than 25 years of international experience in our field. We supply tailor-made solutions for several different industries. We supply a range of belts with different belt hardnesses and profiles, and a wide range of materials. In short, we have every means at our disposal to find the perfect solution.



High cleats - guidelists for straight run/drive



Sideways emptying designed cleats



Curvebelt with a possibility for guidance control via ball bearings or buttons



Special coating materials available possible ie. Linatex, -Correx, Cell Rubber, Natural Rubber or soft PU



Special designed chevron belts for inclined transport of vegetables ie. potatoes

SBK A/S offers a broad range of synthetic conveyor belts in PVC, PU and TPE, both smooth and patterned belts. We supply belts tailored to specific applications, e.g. with cleats, corrugated sidewalls and guide profiles, and with high/low friction, hot/cold, vacuum, oil- and fat-resistant, abrasion/cut-resistant, UV-resistant or antistatic/ flame-resistant properties.

We also supply transmission and flat belts with a polyester or polyamide core and wear-resistant elastomeric textile cover, round belts, V-belts in PU/PES, toothed belts in a variety of materials, types and strengths, with or without steel reinforcement and with or without PAZ (polyamide tooth facing) surface.

We offer standard belts or belts with special surfaces and endless woven belts to meet any purpose.

We offer:

- Sealed-edge belts
- Heat-resistant Teflon belts and belts with fibreglass/ Aramide weave
- Extra wear-resistant belts
- Heavy-duty belts with extra strength for use e.g. in light to medium-strength bucket elevators
- Polishing and grinding belts, e.g. for the timber and marble industries
- Endless woven belts (no splicing)
- Solid woven belts
- Fat-, oil- and chemical-resistant belts
- Hydrolysis, PU, HACCP and EC food-grade belts which can withstand the effects of cleaning with chemical agents.

In general, all our belts are antistatic to some degree. However, most of our white belts are only slightly antistatic and antistatic properties must therefore be added by other means.

We offer antistatic belts in accordance with ISO 284.

Many of our belts are with low noise weave. The vast majority of our belts, including belts with antistatic textile (+CT) can be used with metal detectors.

SKANPOL CONVEYOR BELTS

SKANPOL CONVEYOR BELTS



Type SKANPOL	Top cover	Bottom cover	Colour	Total thickness	Temperature	Force for 1% elongation	Min. pulley Ø mm	Backflex dia Ø	Fat / oil	Topcover friction	Support	Troughing	Max width
1T4 03-0 H-PU-CT-M-FDAEU	0,3 PU	0-Impreg	White-Mat	0,8	-20° + 90°	4	Knife edge r3	30	YES	Low	Panel, rolls	NO	3000
2TIW15 0301 G-PU-M	0,3 PU	0,1-Impreg	Petr. Green	1,5	-20° + 10°	15	Ø25	Ø30	YES	Low	Panel, rolls	NO	3000
2T8 03-00 MG-PU-CT-M	0,3 PU	0-Impreg	Dark green	1,6	-20° + 90°	8	Ø20	Ø60	YES	Low	Panel, rolls	NO	3000
2T6 02-00 BL-PU-CT-M-FDAEU	0,2 PU	0-Impreg	Dark blue	1,5	-20° + 90°	6	Ø10	Ø30	YES	Low	Panel, rolls	NO	3000
2T12 03-00 PG-PU-CT	0,3 PU	0-impreg	Petr. Green	2,2	-20° + 90°	12	Ø60	Ø80	YES	Low	Panel, rolls	NO	3000
2T11 025-025 BL-PU	0,25	0,25 RP	Light blue	1,8	-40° + 90°	11	Ø25	Ø45	YES	Low	Panel, rolls	NO	2000
2T8 08-01 TRI-PU-CT-FDAEU	0,8 PU	0-impreg	Transparent	2,5	-20° + 90°	8	Ø80	Ø120	YES	Low	Panel, rolls	NO	3000
2T6 00-00 PU-TRI-CT	0-impreg	0-impreg	Transparent	1	-20° + 90°	6	Ø10	Ø30	Limited	Low	Panel, rolls	NO	3000
2T8 00-00 PVC-TRI- Impr	0	0	Transparent	1,6	-10° + 80°	8	Ø40	Ø40	Limited	Low	Panel, rolls	NO	3000
2T8 05-00 G-CT	0,5 PVC	0	Apple green	2	-10° + 80°	8	Ø30	Ø50	Limited	Medium	Panel, rolls	NO	3000
2T10 07-00 G-CT	0,7 PVC	0	Apple green	2,4	-10° + 80°	10	Ø40	Ø60	Limited	Medium	Panel, rolls	NO	3000
2T10 15-00 G	1,5 PVC	0	Apple green	3	-10° + 80°	10	Ø60	Ø100	Limited	Medium	Panel, rolls	NO	3000
2T15 20-00 G - 45	2,0 B-PVC	0	Apple green	3,5	-10° + 80°	15	Ø80	Ø120	Limited	High	Panel, rolls	NO	2000
2T10-20-00 G - 65	2,0 MB-PVC	0	Apple green	3,5	-10° + 80°	10	Ø60	Ø100	Limited	Mediumhigh	Panel, rolls	NO	2800
2F10 05-07 G	0,6 PVC	0,7 NP	Apple green	3	-10° + 80°	10	Ø50	Ø80	Limited	Medium	Panel, rolls	YES	3000
2T10 07-07 G	0,7 PVC	0,7 NP	Apple green	3	-10° + 80°	10	Ø50	Ø80	Limited	Medium	Panel, rolls	NO	3000
2T15 20-07 G	2,0 MB-PVC	0,6 NP	Apple green	4,4	-10° + 80°	15	Ø80	Ø140	Limited	Mediumhigh	Panel, rolls	NO	2000
3T15 07-07 G	0,6 PVC	0,6 NP	Apple green	4,6	-10° + 80°	15	Ø100	Ø140	Limited	Medium	Panel, rolls	NO	3000
3F23 07-07 G	0,7 PVC	0,6 NP	Apple green	4,6	-10° + 80°	23	Ø100	Ø140	Limited	Medium	Panel, rolls	YES	2000
2T8 05-00 PG-CT-M	0,5 PVC	0	Petr. Green	2	-10° + 80°	8	Ø30	Ø50	Limited	Medium	Panel, rolls	NO	3000
3T15 05-00 PG-M	0,5 PVC	0	Petr. Green	3,5	-10° + 80°	15	Ø80	Ø140	Limited	Medium	Panel, rolls	NO	3000
3T15 10-00 PG	1,0 PVC	0	Petr. Green	4,1	-10° + 80°	15	Ø80	Ø120	Limited	Medium	Panel, rolls	NO	3000
3T18 20-00 PG-H-FO-CT	2,0 PVC-H	0	Petr. Green	5	-10° + 80°	18	Ø100	Ø140	YES	Medium	Panel, rolls	NO	3000
2TIW15 02-015 GY-H	0,2 PVC-H	0,15 PVC-H	Grey	1,1	-10° + 80°	6	Ø60	Ø60	Limited	Low	Panel, rolls	NO	3000
2T6 02-00 HV-SIL	0,2 SIL	0	White	1,45	-20° + 180°	5	Ø15	Ø40	YES	High	Panel, rolls	NO	2000
2GV5 0,3-00 HV-SIL	0,3 SIL	0-Impreg	White	1,1	-50° + 200°	8	Ø30	Ø50	YES	High	Panel, rolls	NO	2000
2T8 05-00 HV-FDA	0,5 PVC	0-Impreg	White	2	-10° + 80°	10	Ø30	Ø50	YES	Medium	Panel, rolls	NO	3000
2F10 07-07 NP HV-FDA	0,7 PVC	0,7 NP	White	3	-10° + 80°	10	Ø50	Ø80	YES	Medium	Panel, rolls	YES	3000
2T10 07-00 BL-FDA	0,7 PVC	0-Impreg	Dark blue	2,4	-10° + 80°	10	Ø40	Ø60	YES	Medium	Panel, rolls	NO	3000
2T10 05-05 BL-FDA	0,5 PVC	0,7 NP	Dark blue	2,75	-10° + 80°	15	Ø50	Ø80	YES	Medium	Panel, rolls	NO	2000
3T15 07-07 BL-FDA	0,7 PVC	0,7 NP	Dark blue	4,6	-10° + 80°	6	Ø100	Ø140	YES	Medium	Panel, rolls	NO	3000
1T6 03-01 S	0,3 PVC	0,2 Impreg	Black	1,05	-10° + 80°	10	Ø10	Ø20	Limited	Medium	Panel, rolls	NO	2000
2T10 05-00 S-CT-M	0,5 PVC	0	Black	2,2	-10° + 80°	15	Ø40	Ø60	Limited	Medium	Panel, rolls	NO	3000
3T15 27-00 S-M	2,7 PVC	0	Black	5,5	-10° + 80°	8	Ø150	Ø200	Limited	Medium	Panel, rolls	NO	3000
2T8 10-00 HV-PUR	1,0 PUR	0-impreg	White	3,4	-10° + 80°	8	Ø100	Ø140	YES	MediumLow	Panel, rolls	NO	2000
2T8 20-00 HV-PUR	2,0 PUR	0-impreg	White	4,4	-10° + 80°	10	Ø120	Ø160	YES	MediumLow	Panel, rolls	NO	2000
2T10 03-00 HYT	0,3 HYT	HY-impreg	Transparent	2	-40° + 110°	8	Ø40	Ø60	YES	Low	Panel, rolls	NO	3000
2T8 05-05 TRI-H-TPE-FDAEU	0,5 TPE	0,5 NP-TPE-H	Transparent	2,85	-50° + 70°	9	Ø90	Ø140	YES	Low	Panel, rolls	LIMITED	2000
PF9 2,5 Filt	0	0	Dark grey	2,5	-20° + 130°	12	Ø30	Ø60	YES	Low	Panel, rolls	NO	2000
PF12 4,0 Filt	0	0	Dark grey	4	-20° + 130°	15	Ø70	Ø100	YES	Low	Panel, rolls	NO	2000
PF15 5,5 Filt	0	0	Dark grey	5,5	-20° + 130°	10	Ø100	Ø140	YES	Low	Panel, rolls	NO	2000
2T10 35-00 PG-SG	3,5 B-PVC	0	Petr. Green	5,2	-10° + 80°	10	Ø60	Ø80	Limited	High	Panel, rolls	NO	3000
2T8 10-00 PG-LR-CT	1,0 B-PVC	0	Petr. Green	2,8	-10° + 80°	10	Ø50	Ø80	Limited	High	Panel, rolls	NO	3000
2T10 12-00 S-LR-CT	1,2 B-PVC	0	Black	3	-10° + 80°	10	Ø50	Ø80	Limited	High	Panel, rolls	NO	3000
2T8 12-00 PG-IO-CT	1,0 B-PVC	0	Petr. Green	2,5	-10° + 80°	8	Ø40	Ø60	Limited	High	Panel, rolls	NO	3000
2T8 10-00 GY-DA	1,0 B-PVC	0	Grey	2,7	-10° + 80°	10	Ø40	Ø80	Limited	High	Panel, rolls	NO	2000
2T10 20-00 G-LT-FDA	2,0 MB-PVC	0	Apple green	3,5	-10° + 80°	8	Ø80	Ø120	Limited	Mediumhigh	Panel, rolls	NO	1200
2T8 20-00 HV-ST	2,0 MB-PVC	0	White	4	-10° + 80°	20	Ø60	Ø120	YES	Mediumhigh	Panel, rolls	NO	2000
2T20 3,7-0 G-SG-Elas	3,7 Elas	0	Apple green	5,8	-20° + 100°		Ø80	Ø120	Limited	High	Panel, rolls	NO	
Polér - slibe bånd													
3T13 60-00 GY-RK	6,0 GY-elastomer	Impr	Grey	8,5	-10° + 80°	13	Ø120		Limited	High	Plate, rolls	NO	1300
3T14 60-00 GY-RB	6,0 GY-elastomer	Impr	Grey	8,5	-10° + 80°	13	Ø120		Limited	High	Plate, rolls	NO	1500
2F15 35-00 BE - SG	3,5 Rubber	0-impr	Beige	6,7	-20° + 110°	15	Ø75	Ø120	Limited	High	Plate, rolls	YES	1800
3F23 35-00 BE-SG	3,5	0-impr	Beige	7	-20° + 110°	23	Ø80	Ø130	Limited	High	Plate, rolls	YES	1800
Roller coating - Adhesive													
1S3 17-1 BE-LN	1,7	Self adhesive	Beige	2,2	-10° + 100°	3			Limited	High			50, 100
1S3 17-1 KN-LN	1,7	Self adhesive	Off white	2,2	-10° + 120°	3			YES	High			50, 100
1S3 17-1 BL-LN	1,7	Self adhesive	Blue	2,2	-10° + 80°	3			YES	High			50, 100

Tolerances for belts	
Width	Lengths
From 10 mm - 300 mm +- 3 mm	From 500 mm - 1600 mm +- 0,75 %
From 300 mm - 700 mm +- 5 mm	From 1601 mm - 3000 mm +- 0,55 %
From 701 mm - 1500 mm +- 6 mm	From 3001 mm - 6000 mm +- 0,5 %
From 1501 mm - 3000 mm +- 10 mm	From 6001 mm - 12000 mm +- 0,35 %
	From 12001 mm - +- 0,25 %

** Ask for troughing possibilities Subject to alterations

FORMULA FOR CALCULATING THE NECESSARY BELT STRENGTH (N/MM)

For sliding bed and roller support

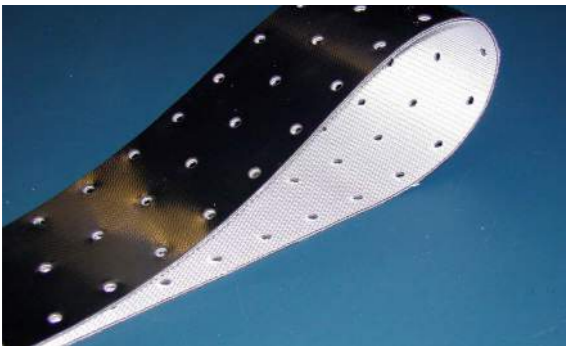
Total weight on the belt $\times 10 \times$ the co-efficient of friction / divided with the beltwidth = minimum belt-strength.

Tensioning

The tension, normally, lies between 0,3-0,7% of the length , - maximum up to app. 2%

The tensioning system should be able to take up 3% of the belt-length

Belts should never be over-tensioned – they are just to be able to run fully loaded – not more the return-side should not be too tight or the topside to curl up – better to have a little belt-sag on the return-side, - the belt should have, just have friction enough to run the drive and end pulleys



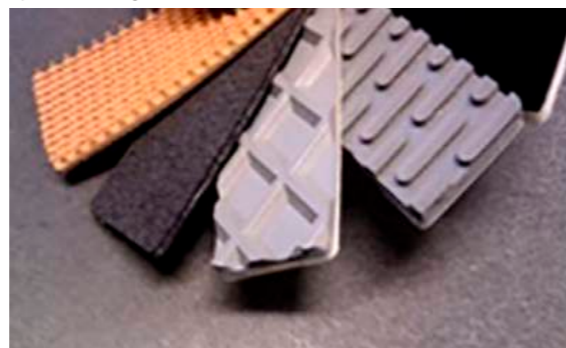
Vacuum belt



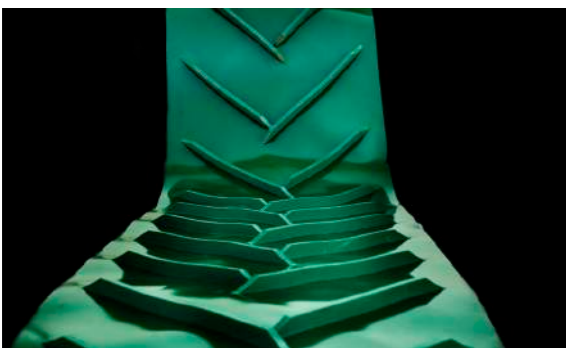
Special coating



Special topcover profile



Polishing – grinding belt



Chevron cleated belt



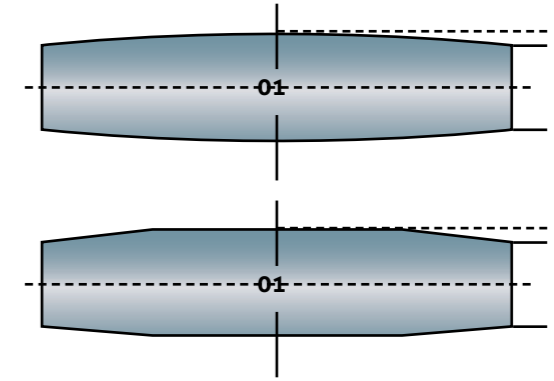
Parted cleats

Subject to alterations

PRODUKTPROGRAM

Recommended guiding values – crowning of tapered – cylindrical part

Pulley length	Scale A-B-A
< 500 mm	1/3 - 1/3 - 1/3
500 - 1000 mm	1/4 - 2/4 - 1/4
1000 - 1200 mm	1/5 - 3/5 - 1/5
1200 -	1/7 - 5/7 - 1/7



Guiding crowning values in mm

Centre distance	<1500				1500-3000				>3000			
Belt-thickness mm	<1,5	1,5-3	3 - 5,5	> 5,5	<1,5	1,5-3	3-5,5	> 5,5	<1,5	1,5 - 3	3-5,5	> 5,5
Belt-width mm												
125 mm	0,5	0,5	0,5	0,5	1	1	1	1	1	1	1	1
250 mm	0,5	1	1	1	1	1	1,5	2	1	1,5	2	2
400 mm	1	1	2	2	1,5	1,5	2	2	1,5	2	3	3
600 mm	1	1	2	2	1,5	2	3	3	1,5	2,5	3	4
900 mm	1,5	1,5	2	2	1,5	2	3	3	2	3	4	5
1200 mm	1,5	1,5	2,5	2,5	2	2,5	3,5	4	2	3	5	6
1500 mm	1,5	2	3	3	2	3	4	5	2	3,5	5	7
2000 mm	1,5	2	3	3	2	3	4,5	5	2,5	4	6	8



Gauze belts



Endless woven belts

Friction against steel

Fabric back-side:	0,2
Impregnated fabric back-side:	0,2 = 0,4
PVC with "diamond" profile:	0,45
Smooth back-side:	0,73
Friction against pulley lagging :	0,55



Positive driven belts



Positive driven belts

HIGH-QUALITY SKANPOL ELASTOMERIC AND PU-COVERED FLAT BELTS HAVE EXCELLENT ABRASION- AND IMPACT-RESISTANCE.

The belts comprise a polyester/polyamide or solid nylon core with a PU or elastomeric textile cover.

The elastomeric blend is oil/fat-resistant and suitable for wet and dry applications. It is extremely wear-resistant and has a long service life.

These belts are often used with motorised pulleys due to low elongation, long service life, and fast and efficient power transmission.

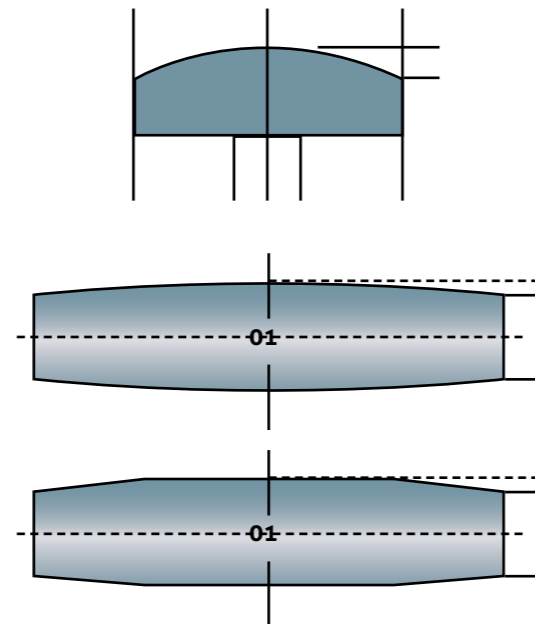
Flat belts are faster to fit, antistatic and very flexible.

Applications: Cardboard and paper industries, printing houses, textiles, and as drive belts for roller conveyors.

Type	Topcover	Bottom cover	Color	Total thickness	Temperature	Pull for 1% elongation	Drive – end pulley Ø dia	Friction
Skapol fladremme						N/mm	mm	
3T10 15-01 G-Elas	1,5	0,1 impreg	Apple-green	3	-20° +70°	10	40	0,7
1PA1,5 01-01 G	0,1 impr	0,1 impreg	Apple-green	1,2	0° + 100°	1,5	30	0,3
1PA4 02-02 G	0,2 impr	0,2 impreg	Apple-green	1,9	0° + 100°	4	50	0,7
1PA6,5 1,3-1,3 LBL-Elas	1,3	1,3	Light blue	3	0° + 100°	6,5	50	0,7
1PA6,5 1,45-1,45 LBL-Elas	1,45	1,45	Light blue	4	0° + 100°	6,5	60	0,7
1PA6,5 1,9-1,9 LBL-Elas	1,9	1,9	Light blue	5,5	0° + 100°	6,5	70	0,7
1PA6,5 2,2-2,2 LBL-Elas	2,2	2,2	Light blue	6	0° + 100°	6,5	80	0,7
1PA10 04-01 LBL-Elas	0,4	0,1 impreg	Light blue	2,2	0° + 100°	10	75	0,7
1PA10 10-10 LBL-Elas	1	1	Light blue	3	0° + 100°	10	60	0,7
1PA10 1,5-1,5 LBL-Elas	1,5	1,5	Light blue	4	0° + 100°	10	60	0,7

Crowning guidance acc to belt-width

Pulley Ø dia mm	Crowning	Crowning
	Less than 250 mm L	More than 250 mm L
40-112	0,3 mm	0,3 mm
125-140	0,4 mm	0,4 mm
160-180	0,5 mm	0,5 mm
200-224	0,6 mm	0,6 mm
250-355	0,8 mm	0,8 mm
400-500	1 mm	1 mm
560-710	1,2 mm	1,2 mm
800-1000	1,2 mm	1,5 mm
1120-1400	1,5 mm	2 mm
1600-2000	1,8 mm	2,5 mm



Subject to alterations

TYPE DESCRIPTION/DE-CODING

NO. OF PLY/TEXTILE LAYERS

Polyester textiles:
 T = Cross-rigid
 F = Flexible (trough bends)
 PA = Nylon
 GV = Fibreglass weave
 S = Spun polyester

Force/pull for 1% elongation

TOP/BOTTOM COVER THICKNESSES AND SPECS.:

Bottom cover with profile "diamond profile"
 0 = impreg = impregnated bottom fabric – low friction
 0 = fabric back side – low friction

COLOR:

Special properties:
 H = Hard (low friction/accumulation)

SPECIAL PROPERTIES:

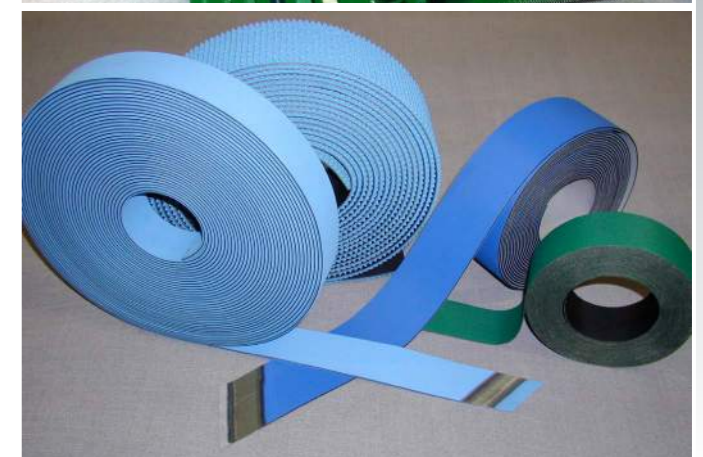
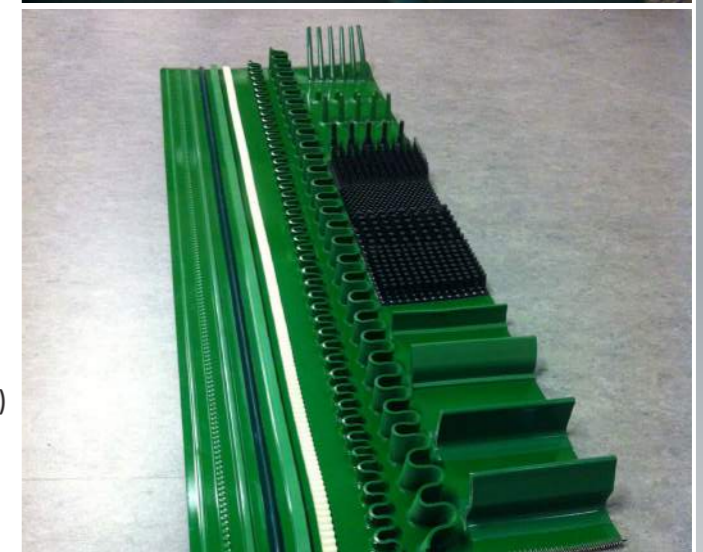
M = Matt surface (antistatic textile)
 CT (CT anti-static fabric)
 FO (fat/oil)
 FDA (FDA)

TOP COVER PROFILES:

(Longitudinal groove) IO (Inverted oval)
 SG (Supergrip) LN (Small nipple)
 LR (Longitudinal ribbed) RP (Rice profile)
 ST (Saw-tooth) BT (Sticky top (soft PVC))
 DA (Fabric impression) MK (Mini nipple)
 TR (Cross ribbed) RB (Rhomb)
 GS (Basket weave) RK (Large diamond profile)
 NP (Diamond)
 LT (Small tooth)

COLOR:

G = Apple green HV = White
 PG = Petroleum/blue Green BL = Blue
 S = Black LBL = Light blue
 MG = Dark green BE = Beige
 GY = Grey MG = Dark grey



SKANCLEAT CLEATS

Skancleats are made in PVC/PU/TPE and are primarily used for conveying smaller items/products/powder on inclined or declined conveyors.

The cleats have a strong base and blade, and can therefore carry heavier loads. The blade is rounded at the top to avoid damaging the products. A sharp edge blade is more likely cause damage.

The cleats are available in three variants designs: T, C and TC, and can be textile-reinforced. C and TC cleats are used for inclined conveying from app 30 Degr and up.

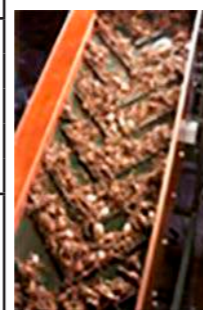
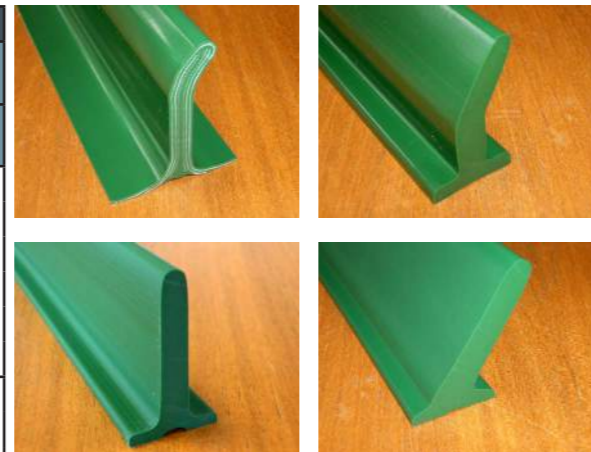
Heavy-duty fabric-reinforced cleats can be used to convey larger products or with smaller pulley diameters, etc.

We can supply tailor-made solutions, e.g. cleats used as sidewalls (cut up cleats in longitudinal direction) and we can supply "cushioning impact-dampening" cleats – made from 1 ply PVC belt or also and maybe better – soft PU fingers that covers the entire topcover area – for transporting fragile products ie. Vegetables

Diagonal and cut cleats can be used in connection with sideways discharge.

Skancleat cleats:				
		Pulley Ø diameter min. mm	Inclination angle	
Type	Height	PVC T,C,TC TW,CW,TCW	PU T, TC	Up to app.
T 20	20	50	40 50 50 60 80	35°-40°
T 30	30	80		
T 40	40	100		
T 50	50	100		
T 60	60	150		
T 80	80	190		
C 30	30	80	100	60°
C 40	40	100		
C 50	50	100		
C 60	60	150		
C 75	75	190		
TC 30	30	80	50 50 60 75	ca 60° Can be used for steeper elevations
TC 40	40	100		
TC 50	50	100		
TC 60	60	150		
TC 75	75	150		

Fabric reinforced cleats can run over smaller pulley dia mm than Solid PVC/PU/TPE cleats – app. 30-80 mm
 T = straight/vertical cleats
 C = Angled cleat – for inclined conveying
 TC = Straight and angled cleat for inclined conveying
 Fabric reinforced cleats are available in T,C and TC designs



Chevron patterned belts for vegetables, e.g. potatoes and onions.



The following configurations are available.



Special sidewalls Belt with fall-cushioning cleats

SKANWALL CORRUGATED SIDEWALLS

Skanwall corrugated sidewalls are flexible S-shaped corrugated walls which ensure that the material conveyed stays on the belt. Skanwall is available in several different qualities, but supplied as standard in PVC and PU. The corrugated waves differ in size, depending on the height of the sidewall and width at the base. When using small diameter pulleys, the waves are smaller and more flexible.

In combination with cleats, the sidewalls create a belt which can handle high load capacities even when changing direction. The user can easily adjust in-feed and discharge distances on the belt/conveyor and switch to elevator conveying without transferring to a different belt.

Skanwall corrugated sidewalls can run vertically but are normally used to elevate material at angles of up to 75°. The corrugated waves are easy to clean. This applies in particular to PU sidewalls, due to the stability and homogeneity of the PU material.

Skanwall is also available in FDA food-approved, fat- and oil-resistant, and moderately fat- and oil-resistant qualities. Special corrugated waves can be made to order, e.g. in PU foam and other thermoplastic materials.

Skanwall PVC/PU bølgekanter							
PVC	Height	Footbase width	Min Ø dia mm	PU	Height	Footbase width	Min Ø dia mm
20/35	20	35	50	20/20	20	20	50
30/35	30	35	75	30/20	30	20	50
40/35	40	35	100	40/20	40	20	80
40/50	50	50	100	50/20	50	20	100
50/50	50	50	125	40/30	40	30	80
60/50	60	50	150	50/30	50	30	125
70/50	70	50	175	60/30	60	30	150
80/50	80	50	200	60/50	60	50	150
90/50	90	50	225	80/50	80	50	200
100/50	100	50	250	100/50	100	50	150

The pulley diameters apply to driven pulleys. On conveyors with up/down-turn deflections – D2 Ø in mm must be at least 4 x wave height.

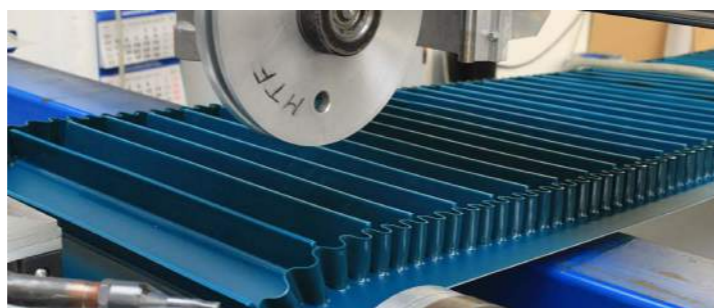
When using stub rolls in/for D2, radius must be 1.25 x deflection wheel diameter in mm.

Corrugated sidewalls available in heights of up to 120 mm.

How to calculate free zone to Skanwall corrugate sidewalls

0 - 500 mm:	Beltwidth + sidewall height x 10%
501 - 800 mm:	Beltwidth + sidewall height + 11%
801 - 1200 mm:	Beltwidth + sidewall height + 12%
1201 - 1500 mm:	Beltwidth + sidewall height + 13%

When using stub rolls at belt deflections, the pulley radius must be at least 1.25 x minimum deflection diameter in mm (see table). If you choose a narrower free zone, very good cross-rigidity in the base belt is required. Contact SBK A/S

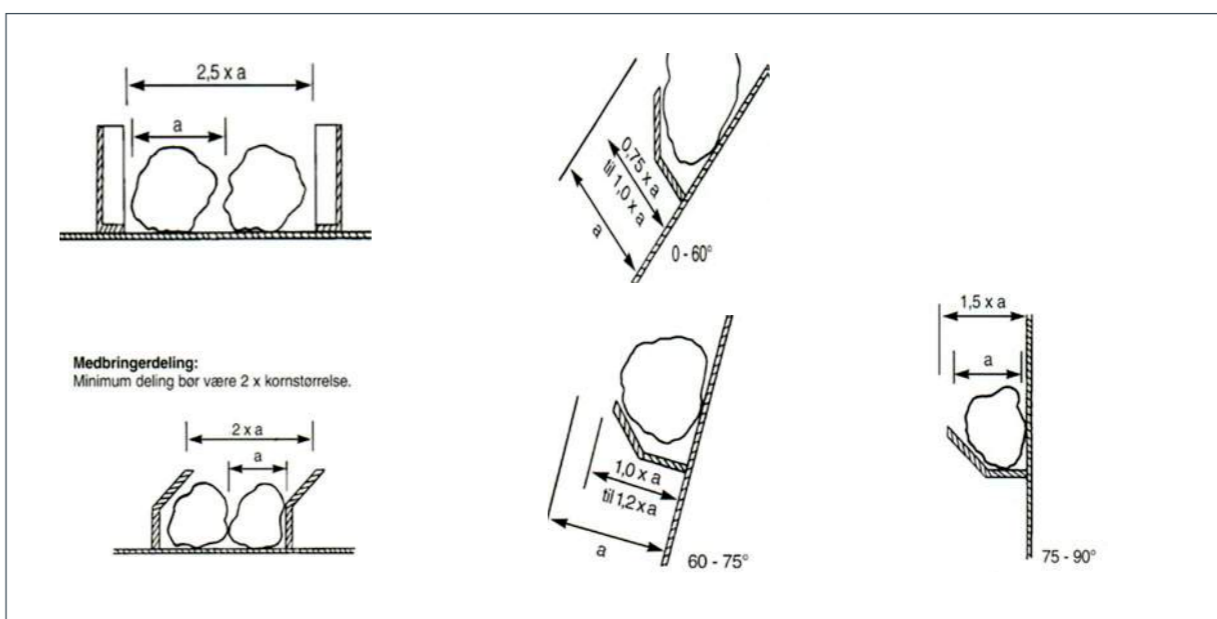
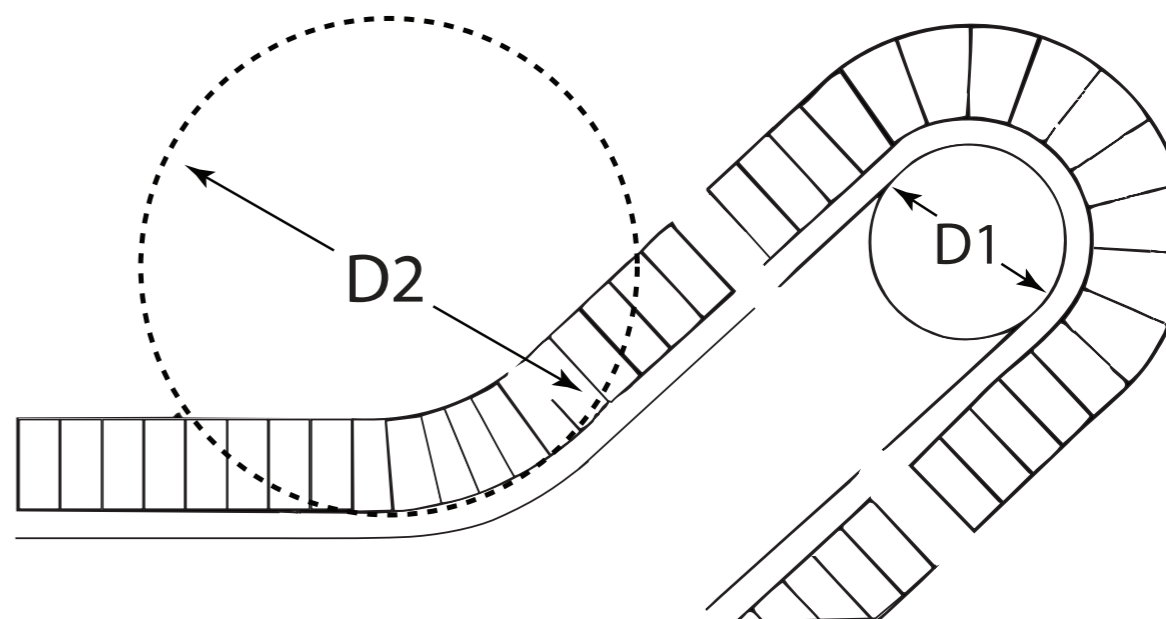


Subject to alterations

Influence of product/grain size on the cleats.

Cleat gate: Pitch of cleats
Useful width: Effective cleat length

Product/grain size relative to angle of elevation
Inclination 0°-60°: At least 0.75 - 1.0 x grain size
Inclination 60°-75°: Minimum 1.0 - 1.5 x grain size

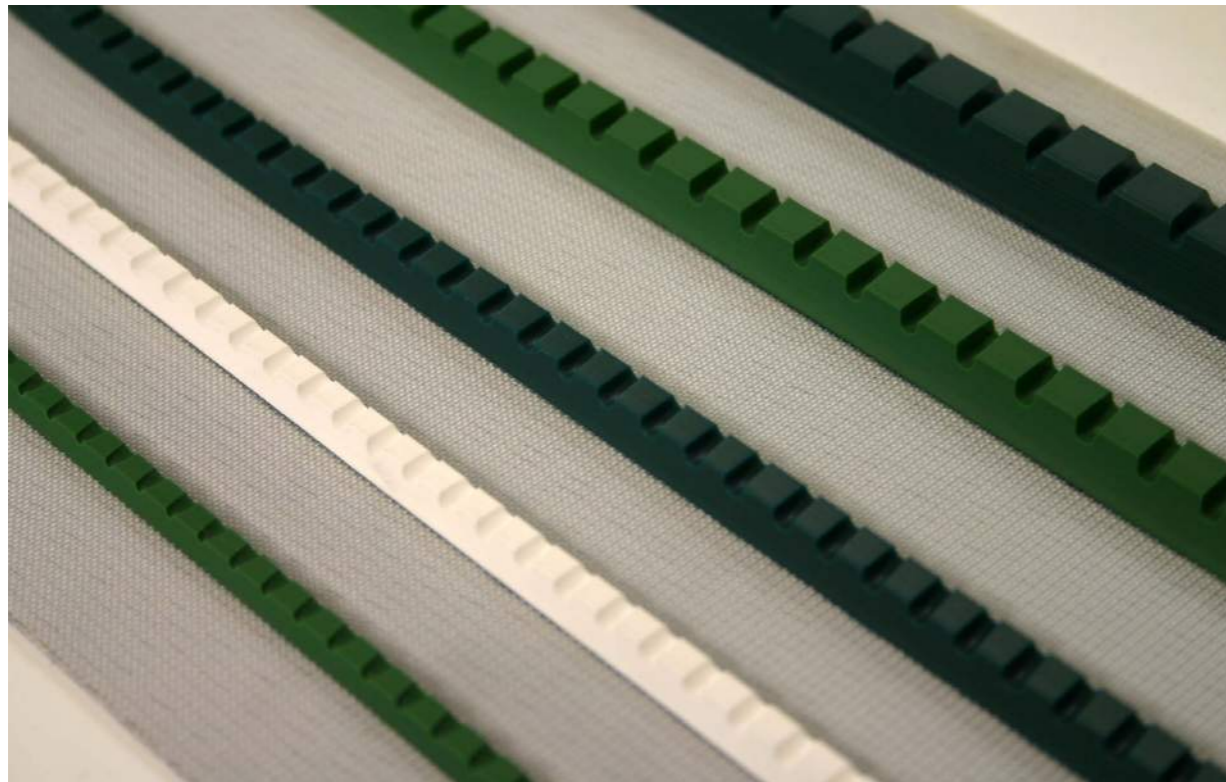


SKANTRACK

Skanttrack guide/edge lists are used to control the straight run of belts, - or as edgelist to prevent spilling or as cleats. The lists can be vulcanised to both top and bottom cover/fabric. We offer standard V /trapezoidal shape guide profiles with full or Notched profile. We also offer profiles designed for specific applications. We also offer special profiles for specific applications, e.g. chevron pattern, U-shaped or sideways/across for special discharging. These belts are often used in the fruit and vegetables handling sector. When using guide lists, we recommend that the following tolerances are applied.

Guide profiles are recommended for use with short, wide belts.

Roller surface: **Pulley lagging** is another way to control the straight run of belts, as it increases the friction between the pulley and the belt. (better grip – avoid slipping)



Skantrack		
Guide/edge profiles	As cleat/edge profile	As guide profile
Type (Br x H x D-Br)	Min. Pulley Ø dia mm	Min Ø dia mm
K / V 6 x 4 x 3	40	30
K / V 8 x 5 x 4	60	60
K / V 10 x 6 x 6	80	60/70
K / V 13 x 8 x 8,5	100	70/80
K / V 17 x 11 x 9,5	120	90/100
K / V 22 x 14 x 11,5	130	140
Special profiles up to 30x16 mm are available – made to order. PU profiles have 10-25 mm smaller diameters.		

Usage of guide lists – tolerances in the pressed out longitudinal grooving in the pulleys.

Tolerances:
Ca + 3 mm in the bottom and 5 mm on each side of the profile.
Tolerances apply to normal conditions. If other conditions apply ie. Cold surroundings – the pulley Ø dia mm are larger

SKANFINGER – fingercleats are used within conveying of fragile and wet products e.g. fruits/vegetables. There are 3 types/shapes of finger-cleats , T, C or TC.

The same principles for inclinations apply for the fingers (same as for cleats) LF/T up to app. 35° , and SF/C and KF/TC above and up to app 75°

Skanfinger				
Fingercleat height	Foot Ø dia.	Design shape	Pitch mm	Min. Pulley Ø dia mm
LF 50 (T)	23,5	90° straight	27,2	60
LF 65 (T)	24	90° straight	27,2 / 35	75
LF 120 (T)	29	90° straight	35	120
KF 110 (TC)	29	90°/35° straight-angled	35	100
SF 110 (C)	14	60° angled	25/35	100

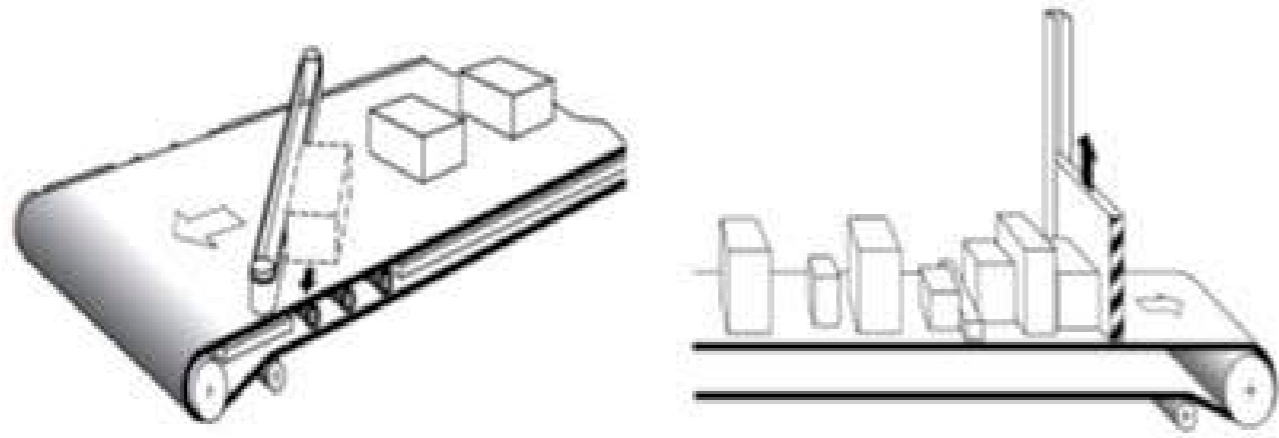


SIDEWAYS DISCHARGING AND ACCUMULATION

When using pushers/diverters, we recommend that the belt has a low-friction cover; either a belt with a high shore A (90) cover or without a cover (using the fabrics, - raw or impregnated).

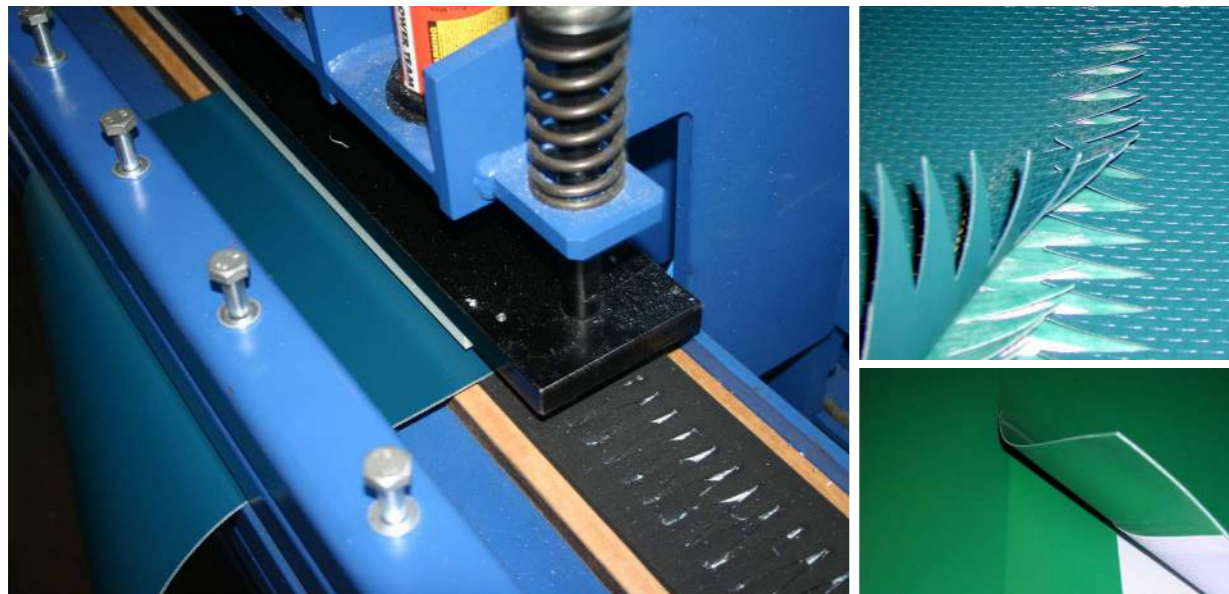
ACCELERATION BELT

When using an acceleration belt, it is often required that the topcover has high friction to ensure that the topcover has high grip to the product (40-65 Sh A hardness).



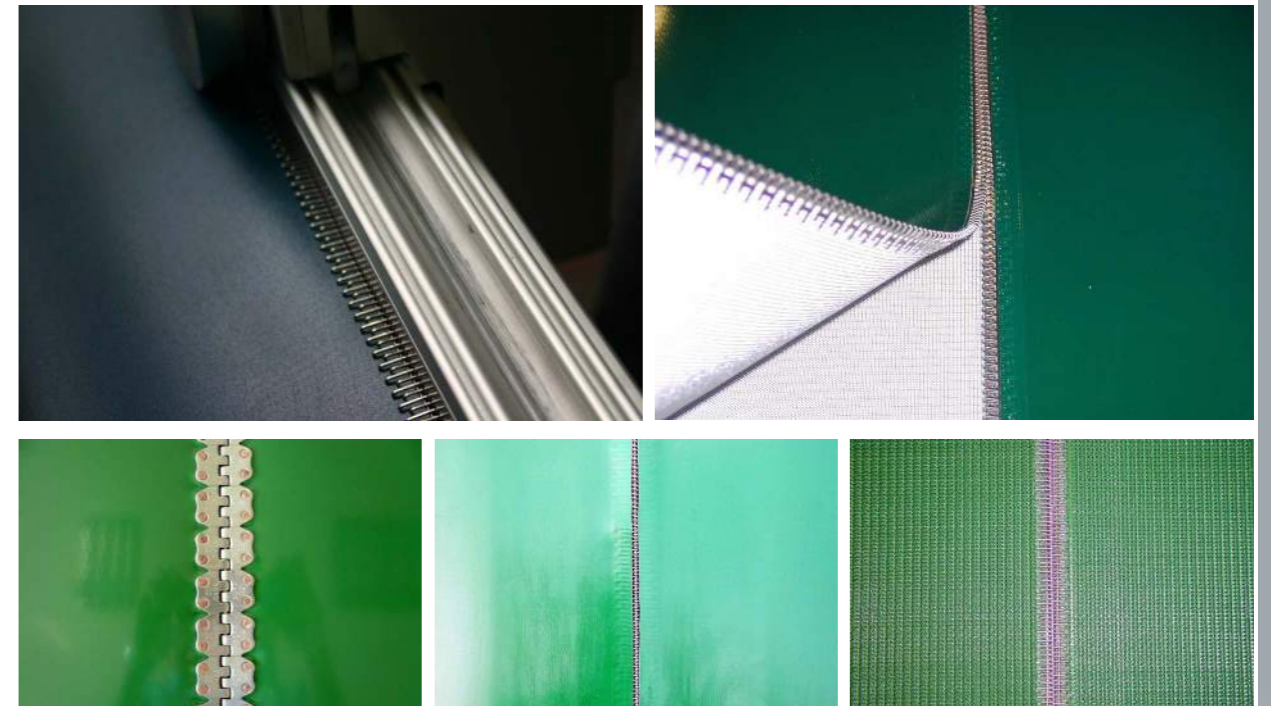
BELT SPLICING / JOINTS - METHODS

Finger splicing (single, double or triple) is the strongest and most flexible method.



SPLICING OF BELTS....*continue*

Belt fasteners are a fast and easy way to join a belt. They are strong and can be dismantled/opened when having to service the conveyor or belt (maintenance, cleaning etc.)



Flexible belt fasteners are hot-welded into the ends of the belt and are therefore integrated into the belt fabric. Belt fasteners are strong and the same thickness as the belt. They are easy and fast to dismantle the belt when/for servicing the conveyor and/or belt (maintenance, repairwork etc.)

We recommend flexible belt fasteners.



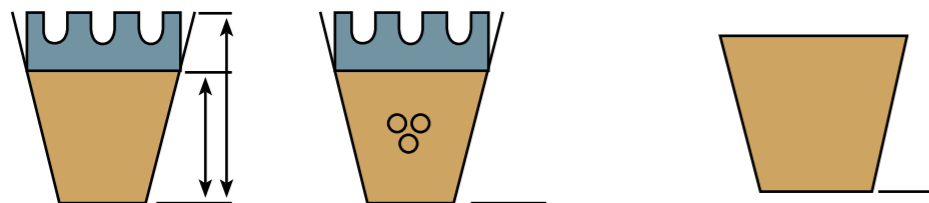
V-SHAPED PROFILES MADE IN PU AND POLYESTER, SHORE A 85/32D, 92 A/40D, A 100/D55

PU Sh 85 A / 32 D					
Type	W x H	Ø dia mm	Pre-tension	Tensioning member, material	Max. working tension
VU 10	10 x 6 mm	63	1,5 - 3,0 %	PU	35
VU 13	13 x 8 mm	80	1,5 - 3,0 %	PU	60
VU 17	17 x 11 mm	100	1,5 - 3,0 %	PU	100
VU 22	22 x 14 mm	140	1,5 - 3,0 %	PU	170
VU PF 10	10 x 6 mm	140	0-5 - 1,0 %	Polyester	85/280
VU FP 17	17 x 11 mm	180	0-5 - 1,0 %	Polyester	100/320
VU FP 22	22 x 14 mm	200	0-5 - 1,0 %	Polyester	170/350

VU 10-22:
Supergrip/SG profile available in 10, 17 and 22 mm Ø dia mm



Sh A 100/55 D					
Type	W x H	Ø dia mm	Pre-tension	Tensioning member, material	Max. working tension
PES H 8	8 x 5 mm	71/80/90	1,5 - 3,0 %	Polyester	45/90/110
PES H 10	10 x 6 mm	90/100/112	1,5 - 3,0 %	Polyester	70/140/170
PES H 13	13 x 8 mm	112/125/140	1,5 - 3,0 %	Polyester	120/240/285
PES H 17	17 x 11 mm	140/160/180	1,5 - 3,0 %	Polyester	210/420/490
PES 20	20 x 12,5 mm	180/200/224	1,5 - 3,0 %	Polyester	290/580/680
PES 22	22 x 14 mm	200/224/250	1,5 - 3,0 %	Polyester	350/700/820
PES 25	25 x 16 mm	224/250/280	1,5 - 3,0 %	Polyester	450/900/1050



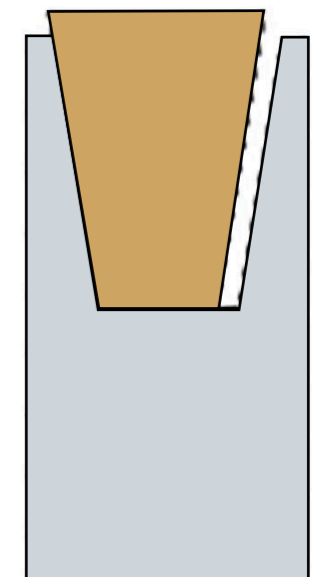
PU Sh 85 A / 32 D					
Type	W x H	Ø dia mm	Pre-tension	Tensioning member, material	Max. working tension
PES 8	8 x 5 mm	56/63/71	1,5 - 3,0 %	Polyester	30/45/55
PES 10	10 x 6 mm	71/80/90	1,5 - 3,0 %	Polyester	50/70/85
PES 13	13 x 8 mm	90/100/112	1,5 - 3,0 %	Polyester	80/120/145
PES 17	17 x 11 mm	125/140/160	1,5 - 3,0 %	Polyester	140/210/250
PES 19	19 x 12 mm	140/160/180	1,5 - 3,0 %	Polyester	160/250/300
PES 20	20 x 12,5 mm	140/160/180	1,5 - 3,0 %	Polyester	190/290/350
PES 22	22 x 14 mm	160/180/200	1,5 - 3,0 %	Polyester	230/350/420
PES 25	25 x 16 mm	180/200/224	1,5 - 3,0 %	Polyester	300/450/540
PES 32	32 x 20 mm	224/250/280	1,5 - 3,0 %	Polyester	500/700/900
PES FA 13	13 x 8 mm	140	0,3 - 0,5 %	Aramid	300
PES FP 13	13 x 8 mm	140	0,5 - 1,0 %	Polyester	120/300
PES FA 17	17 x 11 mm	160	0,3 - 0,5 %	Aramid	320
PES FP 17	17 x 11 mm	160	0,5 - 1,0 %	Polyester	210 / 330
PES FP 22	22 x 14 mm	180	0,5 - 1,0 %	Polyester	380



Coefficient of friction/ material hardness	85 Sh	87 Sh A	92 Sh A	100 Sh A
Aluminum	0,65	0,55	0,5	0,4-0,45
Smooth polished PE	0,35	0,3	0,23	0,15-0,2
Polished steel	0,6	0,6	0,45	0,35-0,4
Stainless steel	0,7	0,7	0,55	0,5

When using guidelist, please notice the tolerance recommended for the groove in the pulleys or when used on the outside of the pulleys.

Distance/tolerances in presset out groove: App +3 mm in the bottom and 5 mm on each side of the profile.



SKANPOL CONVEYOR BELTS

SKANPOL V & ROUND-BELTS

Round and V belts in wear resistant Polyester and PU, are available in the following shore A hardness: 85, 87, 92 og 100

Fast and easy to intergrate/charge. Fat/oil and chemical resistant.



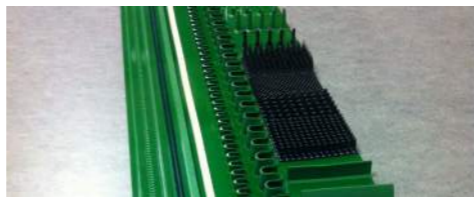
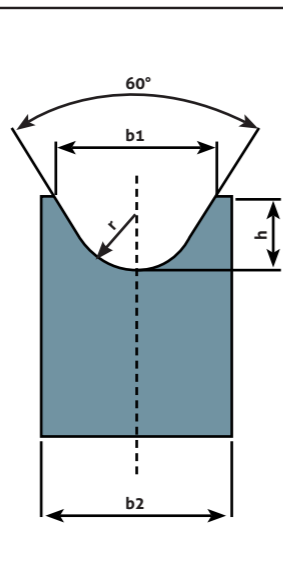
There are many applications, either as power transmission element or as conveyor belt.

Very good wear resistant features.

Low friction.

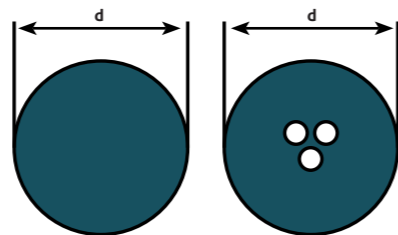
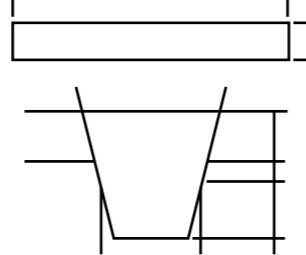
Small pulley Ø dia mm 's provides small transition areas.

Round-belt Ø dia mm	b1 mm	b2 mm	r mm	h mm
2	4,5	6,5	1,4	2,5
3	5,5	8	1,9	3
4	7	10	2,5	3,5
5	8	12	3	4
6	10	14	3,5	5
6,3	10	14	3,5	5
7	12	16	4	5,5
8	12	16	4,5	6
9	14	19	5,5	7
9,5	14,5	19	5,5	7
10	15	20	5,5	8
12	18	22	7	9
12,5	18,5	23	7	9
15	23	27	8	12
18	27	32	10	14
20	30	36	11	15



Type-measurement	Ø dia mm	Pre-tension	Max. working tension
PES 25x1,0	15	1,5 - 3,0 %	62
PES 18x1,2	18	1,5 - 3,0 %	54
PES 25x1,2	25	1,5 - 3,0 %	75
PES 30x1,2	30	1,5 - 3,0 %	90
PES 25x1,5	24	1,5 - 3,0 %	90
PES 50x1,5	24	1,5 - 3,0 %	180
PES 20x1,7	26	1,5 - 3,0 %	85
PES 10x1,9	30	1,5 - 3,0 %	47
PES 15x1,9	30	1,5 - 3,0 %	70
PES 18x1,9	30	1,5 - 3,0 %	85
PES 20x1,9	30	1,5 - 3,0 %	95
PES 25x2,0	30	1,5 - 3,0 %	125
PES 30x2,0	30	1,5 - 3,0 %	150
PES 100x2,0	30	1,5 - 3,0 %	500

V profile also available



Type	Material	Ø dia mm	Ø dia mm	Pre-tension	Tensioning member	Max. working tension
PU 2	PU	2	18	1,5-3%	PU	2
PU 3	PU	3	22	1,5-3%	PU	5
PU 4	PU	4	30	1,5-3%	PU	9,5
PU 5	PU	5	35	1,5-3%	PU	12
PU 6	PU	6	45	1,5-3%	PU	19
PU 6,3	PU	6,3	45	1,5-3%	PU	19
PU 7	PU	7	50	1,5-3%	PU	26
PU 8	PU	8	60	1,5-3%	PU	35
PU 9	PU	9	70	1,5-3%	PU	44
PU 9,5	PU	9,5	70	1,5-3%	PU	48
PU 10	PU	10	70	1,5-3%	PU	53
PU 12	PU	12	90	1,5-3%	PU	80
PU 12,5	PU	12,5	90	1,5-3%	PU	80
PU 15	PU	15	100	1,5-3%	PU	125
PU 18	PU	18	120	1,5-3%	PU	170
PU 20	PU	20	145	1,5-3%	PU	210
PU FP 8	PU	8	100	0,5-1,0 %	Polyester	50
PU FP 10	PU	10	120	0,5-1,0 %	Polyester	75
PU FP 12	PU	12	145	0,5-1,0 %	Polyester	120
PU FP 15	PU	15	160	0,5-1,0 %	Polyester	175
PU FP 15	PU	15	160	0,5-1,0 %	Polyester	175

Subject to alterations

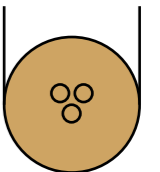
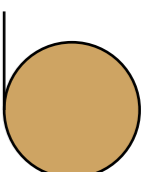
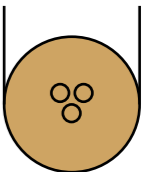
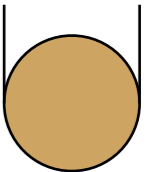
SKANPOL CONVEYOR BELTS

Applications:

- Machinery for the wood prcessing industry
- Tiles and cerimics and stones in general
- Glass - many kinds
- Cans - many kinds
- Packing machinery
- Driver roller conveyors
- Textile industry
- General conveying of lighter-medium light materials.



Polyester, shore A hardness 92 A/40 D, - temperature range -5°-70° C						
Type	Material	Ø dia mm	Disc Ø dia mm	Pre-tension	Tensioning member	Max. working tension
PES 3	Polyester	3	25	1,5-3%	Polyester	5
PES 4	Polyester	4	35	1,5-3%	Polyester	8
PES 5	Polyester	5	45	1,5-3%	Polyester	14
PES 6	Polyester	6	55	1,5-3%	Polyester	20
PES 8	Polyester	8	70	1,5-3%	Polyester	35
PES 9,5	Polyester	9,5	85	1,5-3%	Polyester	46
PES 10	Polyester	10	85	1,5-3%	Polyester	50
PES 12	Polyester	12	110	1,5-3%	Polyester	80
PES 12,5	Polyester	12,5	110	1,5-3%	Polyester	85
PES 15	Polyester	15	125	1,5-3%	Polyester	120
PES 18	Polyester	18	160	1,5-3%	Polyester	175
PES 20	Polyester	20	180	1,5-3%	Polyester	210
PES FP 15	Polyester	15	180	0,5-1,0%	Polyester	250
PES FA 15	Polyester	15	180	0,3-0,5 %	Aramid	320
PU FP 15	PU	15	160	0,5-1,0 %	Polyester	175
PES H 2	Polyester	2	25	1,5 - 3 %	Polyester	10
PES H 3	Polyester	3	35	1,5 - 3 %	Polyester	20
PES H 4	Polyester	4	50	1,5 - 3 %	Polyester	35
PES H 5	Polyester	5	60	1,5 - 3 %	Polyester	60
PES H 6	Polyester	6	75	1,5 - 3 %	Polyester	85
PES H 6,3	Polyester	6,3	75	1,5 - 3 %	Polyester	85
PES H 8	Polyester	8	95	1,5 - 3 %	Polyester	150
PES H 9,5	Polyester	9,5	115	1,5 - 3 %	Polyester	190
PES H 10	Polyester	10	115	1,5 - 3 %	Polyester	190
PES H 12	Polyester	12	150	1,5 - 3 %	Polyester	320
PES H 12,5	Polyester	12,5	150	1,5 - 3 %	Polyester	350
PES H 15	Polyester	15	180	1,5 - 3 %	Polyester	520
PES H 18	Polyester	18	220	1,5 - 3 %	Polyester	740
PES H 20	Polyester	20	240	1,5 - 3 %	Polyester	920
PES H FP 8	Polyester	8	120	0,5 - 1,0 %	Polyester	150
PES H FS 8	Polyester	8	300	0,3 - 0,5 %	Steel	650
PES H FP 9,5	Polyester	9,5	160	0,5 - 1,0 %	Polyester	190
PES H FA 9,5	Polyester	9,5	160	0,3 - 0,5 %	Aramid	300
PES H FS 9,5	Polyester	9,5	300	0,3 - 0,5 %	Steel	750
PES H FP 10	Polyester	10	160	0,5 - 1,0 %	Polyester	190
PES H FA 10	Polyester	10	160	0,3 - 0,5 %	Aramid	300
PES H FS 10	Polyester	10	300	0,3 - 0,5 %	Steel	750
PES H FP 12	Polyester	12	180	0,5 - 1,0 %	Polyester	320
PES H FA 12	Polyester	12	180	0,3 - 0,5 %	Aramid	410
PES H FS 12	Polyester	12	300	0,3 - 0,5 %	Steel	850



TOOTHED BELTS

Toothed belts made of PU-H with or without reinforcement (steel or Aramid/Kevlar), by the metre or as endless woven belts (flex toothed belts). We also supply the following metric pitch:

For a very flexible, all-round solution for conveying and transmission, toothed belts with a hard PU surface are an excellent choice. Positive drive with teeth keep the belts running straight and reduce the risk of ripping and other types of damage. Synchronised movement is achieved by simple mechanics, i.e. via the teeth on the toothed belt discs. Low elongation and uniform drive by means of steel- or Kevlar/ Aramid- reinforced tensioning members to run at high speeds and with a long service life.

Speeds of up to 18 m/s.
High degree of transmission force/power – up to 98%

Toothed belts are available for purchase by the metre. We splice belts to measure or can provide endless woven belts with no splice, or molded lengths of belting. We offer many different variants and designs of cleats.

High friction topcovers are available for positioning control of products.
Low maintenance
Long service life, uniform thickness
High-efficiency/degree of transmission force/power – up to 98%

Double belts
Special cleats available on request

Properties and advantages
High abrasion- and impact-resistance
Very flexible
Low noise level
Quick to fit and replace
Good chemical resistance (fat, oil, acid, alcohol, ozone, UV, sulphur)
Good small tolerances (lengths – widths)
Engage well with discs even at high speeds
Good synchronisation speed
Impervious to moisture/steam

Belts meet DIN 7721 / DIN-ISO 5296 standards

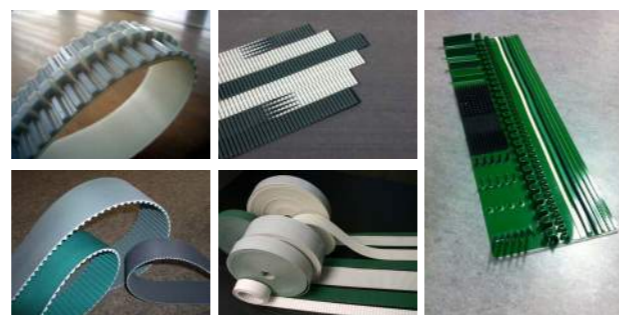
With steel and stainless steel		
T and AT + E, L, K, LE 5, 10 og 20	HTD + M, L, LL 5, 8, 14	STD + M 3, 5, 8, 14
With Aramid/Kevlar	Non metric types, - T1/2", T3/8", T7/8", 1/5" can be offered	
T5, 10 og 20		
Material:	Hard PU i 92 Sh A	
Stålcords:	Aramid/Kevlar 0,3, 0,5, 0,6, 0,9, 1,2, 1,7, og 2,6 mm Ø tykkelser 0,3, 0,6 og 1,2 mm Ø Thicknesses	
Temperature range -30° + 110° C (PU)		

PAR and PAZ coverings are available.

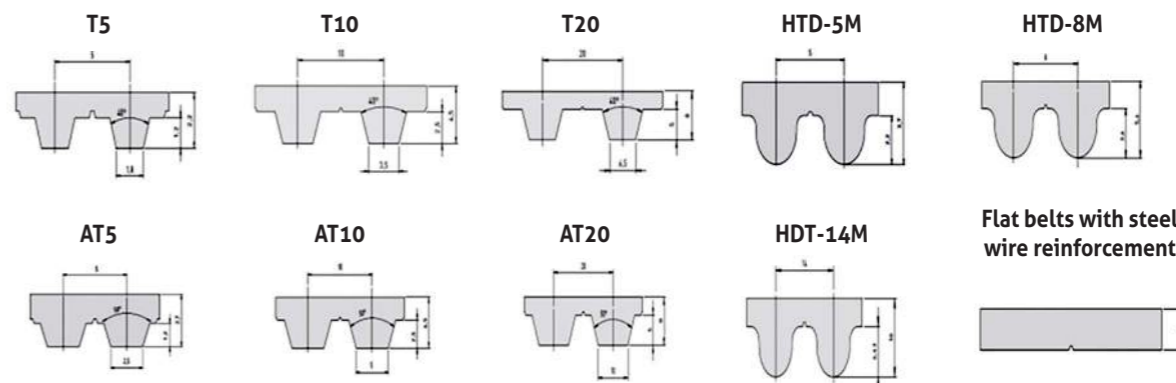
MATERIAL:
Polyamid available for lower friction.
ADVANTAGES:
Better wear resistance against steel, lower noise, accumulation possible.



Coefficient friction values	Steel	Aluminum	Plastic
PAR/PAZ	0,3 - 0,4	0,3 - 0,35	0,18 - 0,35
PU - without PAR/PAZ	0,6 - 0,8	0,6 - 0,75	0,25 - 0,5



POSSIBLE TOPCOVER POSSIBILITIES - ON TOOTHED BELTS:
Small nipple in white FDA approved PVC – 65 Sh A – medium friction
PU-transparent, app. 80 Sh A (wear resistant) – medium friction
PVC – soft app 40 Sh A, petroleum green - high friction
Cell rubber - soft - high friction
Linatex rubber - good wear resistant - high friction
PVC - SG (supergrip profile) soft - high friction
Nitrile rubber - wear resistant - high friction
PVC – white FDA, 65 SH A - medium friction
PU-soft, yellow - good wear resistance - high friction
Elastomer - green - good wear resistance - high friction
Fishbone profile - white FDA app 65 SH A - medium friction
PAR - polyamide textile cover - low friction (accumulation possible)
PAZ - polyamide textile cover - lower friction - on the toothed side



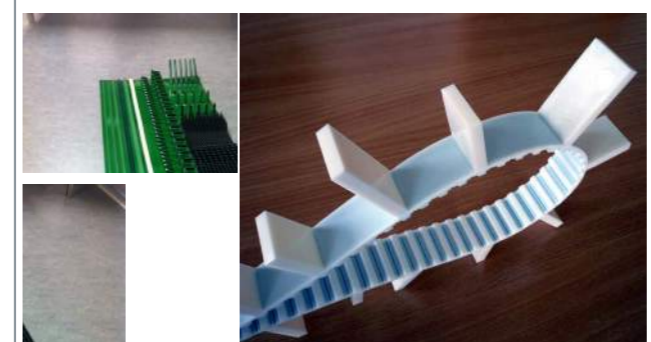
METRIC - TYPE - DESCRIPTION - DECODING
25 AT 10/2.500 M/Steel / PAZ
Type decoding 25 AT 10 / 2500 M / Steel / PAZ
Length
Pitch
Width
Meter - running/by the meter
Endless woven (V)
Endless joined: (Flex)
Tensioning/power transmission member (PU, steel, Aramid/ kevlar)
Topcover coating or profile

APPLICATIONS EXAMLES
Parcel/package handling/internal transport and logistic systems
Food industry - general
Tire and rubber manufacture
Textile industry
Automobile industry
Paper and printing industry
Chemical industry
Tobacco
Packaging material industry

Minimum length 500 mm for "by the meter/running meter"
Minimum length 1500 mm for endless made belts (Flex)
Molded endless length available from Ø 300 dia mm

TENSION – AND INSTALLATION
The toothed belts must not be over-tensioned, - but only to the extend that the belt is having positive drive and only just conveys the material - meaning - that the belts are not to be unnecessary over-tensioned. Overtensioning can cause lower beltlife.
The teeth must have a positive grip/engagement with the toothed pulley.
Maximum shear between the drive discs are 1,5 mm/mtr.

PU cleats - app. 90 Sh A hardness in various designs and heights. The cleat design required is decided acc. to the product conveyed, the necessary pitch and pulley Ø diam. mm.

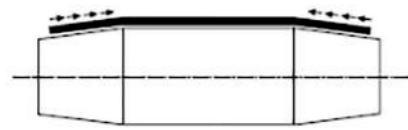


CABLE PULLING BELTS
We are offering various covers for such belts/applications. The covers are heavy and have high frictions. They can be tailor made acc. to the nature and of the size of the material. The fabric can be made "endless woven" for maximum belt-strength

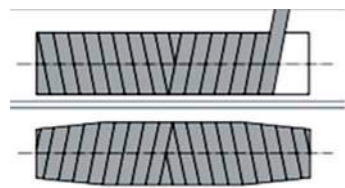


Min. pulley Ø dia mm - foot-width of cleats - mm									
Type	2	4	6	8	10	11	12	14	16
T5, XL	16	21	39	63	79	95			
T10, AT10, L	49	49	55	78	110	145	190	285	320
T20, AT20	112	112	112	112	112	112	118	175	220
H	55	55	55	72	100	140	160	245	322
XH	125	125	125	125	125	125	132	210	245
HTD5, STD5	23	23	39	63	79	95			
HTD8, STD8	50	50	60	75	100	126	139	152	
HTD14	122	122	122	122	122	130	130	140	220
PES 15x1,9	30	1,5 - 3,0 %	70	PES 15x1,9	30	1,5 - 3,0 %	70	1,5 - 3,0 %	70

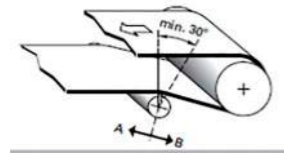
BELT TRACKING



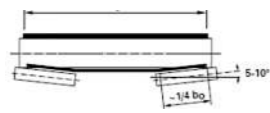
TRACKING VIA CROWNED PULLEYS
If belt is reversible - we are recommending crowning acc.
To table page 6 in both ends (drive and end pulleys)



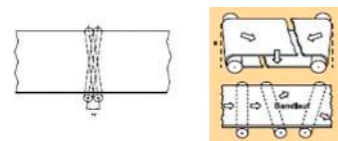
TRACKING VIA PULLEY LAGGING
High friction against the belt increased the grip and thereby facilities a streight run as the belt will not mistrack/wander off the centerline/pulleys



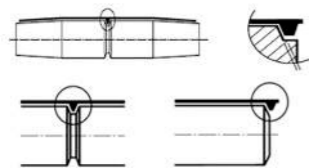
TRACKING VIA SNUB-ROLLER
App. 30° for better arc of contact.
If also making the roller- sideways adjustable 8°-10° - it will better contact and trackin control



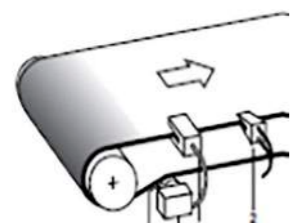
TRACKING VIA ADJUSTABLE ROLLER ON THE RETURN RUN/SIDE
The rollers should be heigth adjustable 5°-10° and side-ways adjustable 8°-10°.



ADJUSTABLE ROLLERS BOTH TOP AND BOTTOM SIDE
Rollers must be sideways adjustable 8°-10°
The belt will run toward the first point of contact

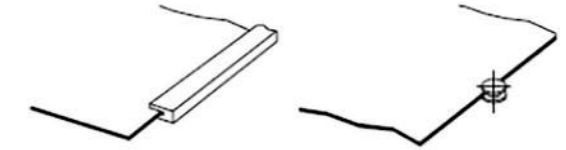


GUIDE LISTS
Either vilcanised in the center or on sides.
(See chart page 14 - 3 mm and 5 mm tolerance)

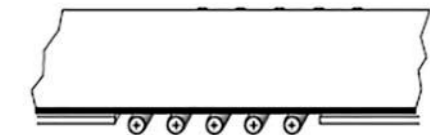


TRACKING VIA SENSORS ON SIDES/EDGES OF THE CONVEYOR AND BELT
Electronic controlled solution

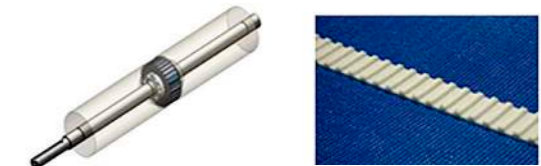
TRACKING VIA EDGE LISTS (METAL/PLASTIC) OR SIDE ROLLS (CONCAVE)



TRACKING VIA FRICTION ROLLS (LAGGED)

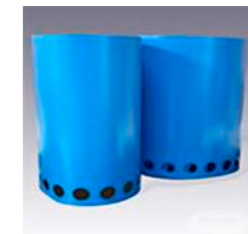


POSITIVE DRIVEN BELTS
If a toothed belt is hotvulcanised to the bottom of the belt, one achieves the possibility of having a positive driven belt, - as the teeth will engage in the toothed driving/end pulleys and therby mistracking is avoided.

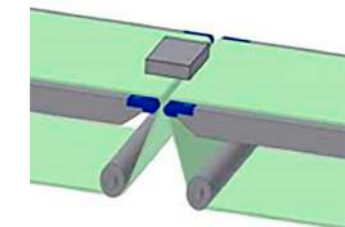


One will achieve the same effect as the molded plastic belts from Volta/Mafdel etc. But with better/lower elongation features.

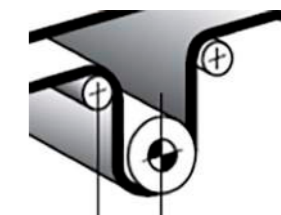
POSITIVE DRIVEN BELTS
By punching/drilling holes in the sides of the belts, - one can achieve a positive drive - on one side or on both sides. The holes can engage in a pulley alike pulleys for modular belting, - which suits the holes.



KNIFE-EGDE
When running belts over knife-edges, it is recommended that 2 pulleys are mounted under the knife-edge as for avoiding unnessary tension and friction heat build up. If the pulleys are made sideways adjustable it will also help the tracking of the belt.



If the conveyor has knife-edges in both ends, - it is recommended to install center take-up tension on the return-side.





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