

# CONVEYOR BELTS WITH CLEATS AND CORRUGATED SIDEWALLS



SKANFLEX + SKANCLEAT + SKANCROSS

SBK



SKANDINAVISK A/  
BÅNDKOMPAGNI /S

### Conveyor belts with cleats and corrugated sidewalls

SBK A/S offers and calculates tailor-made conveyor belts with cleats and corrugated sidewalls to meet specific requirements.

We also offer belts with Skantrack guide profiles. Please contact us for details. Our in-house technical department makes sure that you always obtain the best possible solution for your specific conveying needs. We offer cold and hot vulcanised corrugated sidewalls, cleats and guide profiles, depending on the application.

SBK A/S offers a vertical belt concept which guarantees gentle and efficient transport of almost any type of bulk material. To eliminate the difficulties often associated with multiple belt changes, we offer a solution which allows the same belt to switch from horizontal to vertical.

The concept comprises a cross rigid belt with flexible corrugated sidewalls and transverse cleats, which create "compartments" between cleats along the belt length. Compartment dimensions vary depending on the size of the material conveyed and required belt capacity.

We also offer belts equipped only with corrugated sidewalls (e.g. weighing and dosing belts) or only with cleats (e.g. potato belts and magnetic separator belts).

Skancross corrugated sidewalls, Skancleat cleats and Skanflex belting are manufactured in wear-resistant black rubber. On request we can also supply oil- and fat-resistant, heat-resistant (100-150° C) or fire/flame-resistant belts and profiles. Depending on the application, we also offer steel reinforced belts for extra cross rigidity, which can also be used as "cover belts". See tables.

The advantages of the SBK A/S vertical belt concept are:

- Capacity increased by up to four times compared to a conventional conveyor belt of the same belt width.
- Space-saving solution – the belt can run at an angle of 90 degrees (vertically).
- Protects material from friction and impact.
- Possible to change belt direction without switching to a new belt.

There are innumerable combinations of standard belting, corrugated sidewalls and cleats – the sky is the limit.



## SKANCROSS CROSS RIGID CONVEYOR BELTS

Skancross conveyor belts are extremely rigid in the transverse direction. Cross rigidity is secured by the unique belt design. Standard SBK cross rigid belting is available with two separate cross-rigid textile members, which are integrated into the top and bottom covers of the belt (named EM). The unique design enhances cross rigidity to produce belts that are ideal for use in heavy-duty applications. For light applications, we offer the so-called XEM belts, where transverse rigidity is achieved by means of monofilament insertions woven into the belt carcass/textiles.

To withstand very heavy loads (where the rigidity in standard belting is insufficient), we offer a cross-rigid belt with special steel cord insertions in the transverse direction. The density and thickness of the steel cords are calculated in accordance with the specific task. These are named XE-SB belts. These are only available with moulded rubber edges.

For extremely heavy loads and very high elevation, we offer cross-rigid belting with special steel cord insertions in both the warp (lengthwise) and weft (transverse direction). These belts are named XE-SC belts and are only available with moulded rubber edges. This type of belting has very low elongation (0.25% in the lengthwise direction). Fitting and assembly of steel cord belts must only be performed by specially trained staff using special tools.

TYPE	COVER		THICKNESS APP.	WEIGHT APP.	NO. OF FABRICS		PULLEY Ø D1* mm
	TOP	BOTTOM	mm	KG/m <sup>2</sup>	EP	EM	
XE250/2+2	2	2	8,5	8,60	2	2	250
XE400/3+2	4	2	11,50	11,25	3	2	315
XE500/3+2	4	2	11,80	11,56	3	2	400
XE630/4+2	4	2	12,90	12,55	4	2	500
XE800/5+2	4	2	14,00	13,55	5	2	630
XE1000/5+2	4	2	14,75	14,10	5	2	800

*D1 is at 30-60% of maximum breaking strength. The minimum pulley diameter for any given belt must always be selected in accordance with the largest pulley diameter, i.e. if the belt is Ø400 mm and selected corrugated sidewalls and/or cleat are 480 mm, you should select a minimum pulley diameter of 480 mm.*

### SKANCROSS CAN BE OFFERED IN THE FOLLOWING QUALITIES

- Y** = Normal quality
- OIL-GM** = Medium oil & fat resistant
- K** = Flame resistant
- OIL-GM-K** = Flame + medium oil & fat resistant
- T130-T150** = Heat resistant

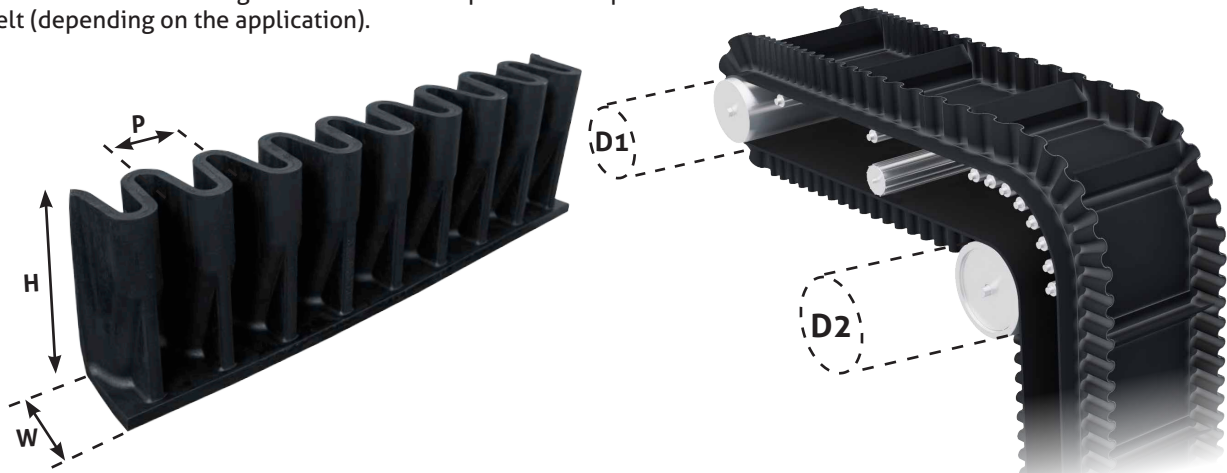
Other breaking strengths are available on request.

We also offer cross-rigid belting with textile backing and other combinations of cover and textile members.

## SKANFLEX CORRUGATED SIDEWALLS

Skanflex corrugated sidewalls are available in heights from 40 to 600 mm. The sidewalls are extremely rigid in the transverse direction, which is significant for direct return support. In combination with lateral flexibility and strong resistance to wear-and-tear, the sidewalls are extremely wear-and-impact-resistant, ensuring extended belt service life.

We offer Skanflex corrugated sidewalls as separate loose profiles and as cold or hot vulcanised elements on the belt (depending on the application).



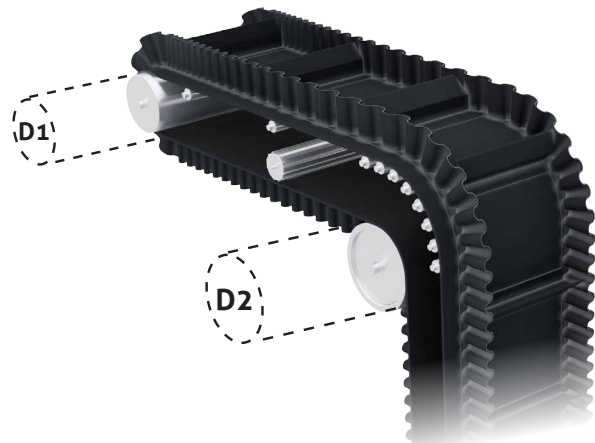
TYPE	HEIGHT mm	W mm	WEIGHT kg/m	P mtr.	D1 MIN. mm	D2 MIN. mm	QUALITY	
SL40	40	40	1,00	47	100	160	<b>Y =</b> Normal quality	To ensure optimal belt service life, D1 and D2 must be met.
SL60	60	40	1,40	47	150	240		
SL80	80	40	1,80	47	150	320		
S60	60	50	1,50	50	160	250	<b>OIL-GM =</b> Medium oil & fat resistant	Please note that the values stated are given for standard quality Y. For other qualities we recommend minimum D1 & D2 + 100 mm. Please contact us for details.
S80	80	50	1,85	50	240	320		
S100	100	50	2,30	50	300	400		
S120	120	50	3,70	50	325	480		
S140	140	50	3,10	50	400	560	<b>OIL-GM-K =</b> Flame + medium oil & fat resistant	Pulley diameters that are smaller than those stated in the tables will always shorten belt service life. If you increase pulley diameter, you can significantly prolong belt service life.
SW80	80	50	1,80	50	240	320		
SW100	100	50	2,30	50	300	400		
SW120	120	50	2,70	50	325	480	<b>T130-T150 =</b> Heat resistant	The minimum pulley diameter for any given belt must always be selected in accordance with the largest pulley diameter, i.e. if the belt is Ø400 mm and selected corrugated sidewalls and/or cleat are 480 mm, you should select a minimum pulley diameter of 480 mm.
SW140	140	50	3,10	50	400	560		
SWS120	120	75	4,00	60	360	480		
SWS140	140	75	4,60	60	420	560	<b>K =</b> Flame resistant	
SWS160	160	75	5,20	60	480	640		
SWS180	180	75	5,80	60	540	720		
SWS200	200	75	6,40	60	600	800	<b>SW+SWS =</b> Fabric reinforced	
SWS240	220	75	7,60	60	720	960		
SWS260	260	75	8,20	60	780	1.040		
SWS280	280	75	8,80	60	840	1.120	<b>SWSF =</b> Fabric reinforced - special heavy duty construction	
SWS300	300	75	9,40	60	900	1.200		
SWSF350	350	115	17,50	83	1.200	1.500		
SWSF400	400	115	19,90	83	1.400	1.800		
SWSF500	500	115	24,75	83	1.750	2.250		
SWSF600	600	115	29,60	83	2.100	2.700		

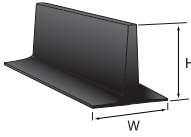
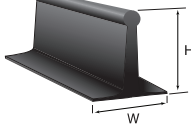
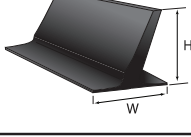
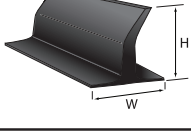
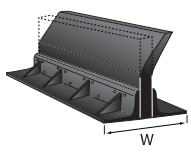
## SKANCLEAT CLEATS

Skancleats cleats are moulded for strength and rigidity.

For lighter applications, we offer EKT extruded cleats (see table). Cleats from 110 mm can be supplied with textile reinforcement and cleats from 280 mm also with steel reinforcement. Cleats from 280 mm can also be supplied as combi-cleats, i.e. the cleat is subdivided into a base/foot and blade.

We offer Skancleats as separate loose profiles and as cold or hot vulcanised elements on the belt (depending on the application). Other sizes and designs, including heavy-duty block cleats, cleats attached to the belt with screws/bolts, etc., are available on request.



TYPE	HEIGHT mm	W mm	WEIGHT kg/m	Prod. length mtr.	D1 MIN. mm	D2 MIN. mm	QUALITY		
T-EKT 20	20	40	0,40	20,0	150	180	<b>D =</b> Fabric reinforced	T/TD 	To ensure optimal belt service life, D1 and D2 must be met.  Please note that the values stated are given for standard quality Y. For other qualities we recommend minimum D1 & D2 + 100 mm. Please contact us for details.  Pulley diameters that are smaller than those stated in the tables will always shorten belt service life. If you increase pulley diameter, you can significantly prolong belt service life.  The minimum pulley diameter for any given belt must always be selected in accordance with the largest pulley diameter, i.e. if the belt is Ø400 mm and selected corrugated sidewalls and/or cleat are 480 mm, you should select a minimum pulley diameter of 480 mm.
T-EKT 40	40	70	0,70	4,0	150	200			
TT-EKT 55	55	80	1,0	4,0	160	250	<b>Y =</b> Normal quality	TT55 	
T-EKT 60	60	80	1,00	4,0	160	250			
T-EKT 75	75	100	2,55	4,0	200	300	<b>TT =</b> Special cleat for "gentle" transport	C 	
T-50	50	80	1,45	2,4	160	200			
T-75	75	100	2,55	2,4	200	300	<b>K =</b> Flame resistant	TC/TCD 	
T-90	90	100	2,80	2,4	240	375			
T-110 / TD-110	110	100	3,10	2,4	240	375	<b>OIL-GM =</b> Medium oil & fat resistant	TCWD 	
T-140 / TD-140	140	150	5,95	2,4	420	560			
T-160 / TD 160	160	150	6,45	2,4	480	640	<b>OIL-GM-K =</b> Flame + medium oil & fat resistant		
T-180 / TD-180	180	150	6,75	2,4	540	720			
C-EKT 40	40	70	0,50	4,0	160	200	<b>T130-T150 =</b> Heat resistant		
C-EKT 60	60	80	1,25	4,0	160	250			
C-EKT 75	75	100	1,82	4,0	200	300	<b>WD =</b> Fabric reinforced heavy duty combi-cleat		
C-75 / CD-75	75	85	1,80	2,4	200	300			
C-110 / CD-110	110	95	2,70	2,4	250	350			
TC-75 / TCD-75	75	85	2,00	2,4	200	300			
TC-90 / TCD-90	90	110	2,65	2,4	220	325			
TC-110 / TCD-110	110	110	3,10	2,4	250	350			
TC-140 / TCD-140	140	150	5,80	2,85	420	560			
TCD-160	160	150	6,45	2,85	480	640			
TCD-180	180	150	7,10	2,85	540	720			
TCD-220	220	170	8,50	2,85	660	880			
TCD-240	240	170	9,15	2,85	720	960			
TCD-260	260	170	9,80	2,85	780	1.040			
TCD-280	280	170	10,40	2,85	840	1.120			
TCWD-280	280	280	19,70	2,4	950	1.300			
TCWD-330	330	280	25,00	2,4	1.200	1.500			
TCWD-380	380	280	25,00	2,4	1.350	1.750			
TCWD-480	480	280	31,70	2,4	1.700	2.200			
TCWD-580	580	280	36,10	2,4	2.100	2.650			

**We recommend that the cleats are 10-15 mm lower than the corrugated sidewalls !**



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