



FLEXOLUFH

CONVEYOR BELT SYSTEMS

DESIGN, FABRICATION AND SUPPLY OF CONVEYOR BELTS

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FLEXOLUFH

SIDEWALL CONVEYOR BELTS

LUFH offers the latest developments in conveying for steep angle and vertical lifting systems, using sidewall conveyor belts, FLEXOLUFH.

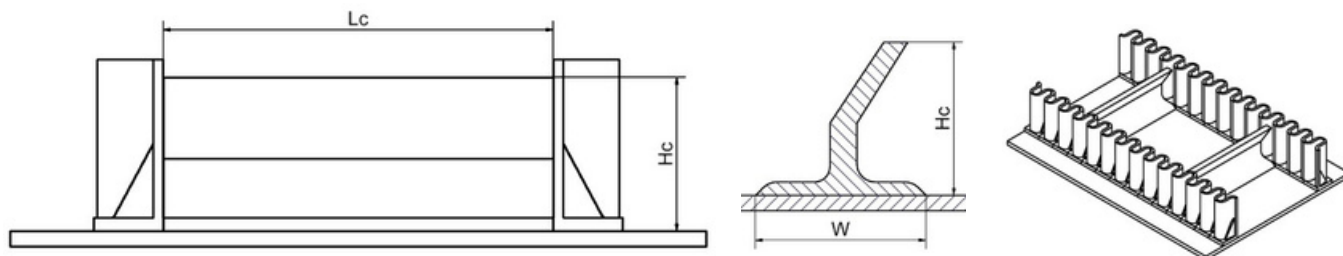
Our base belts are manufactured with polyester-nylon textile cores (EP) or steel cords (ST) with cross stabilisers (T, S) which give higher stiffness values with very low elongation; protected with special conveying and running rubber covers according to the quality required to meet the needs of your application; thus ensuring that they can withstand the high stresses to which they are subjected and maintaining their stability in inclined angle conveying.

The corrugated sidewalls are produced from a highly elastic and resistant rubber compound, offering excellent performance. The use of fabric reinforcement within the sidewalls ensures tear resistance while maintaining maximum flexibility, extending their service life.

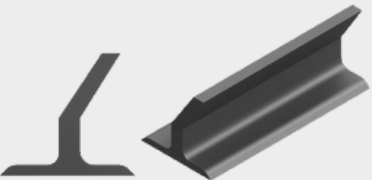

Our assembly lines for corrugated sidewall belts guarantee maximum product quality. The bonding of the corrugated sidewall and the pusher blocks (cleats) to the base belt, is vulcanized, either hot or cold, depending on the need and application, guaranteeing the maximum strength of the bonding.



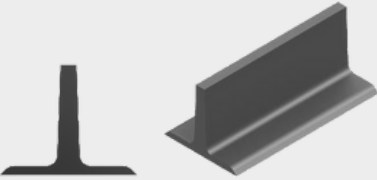

Types of Pusher Blocks or Cleats



The right choice of type, dimensions and rubber compound ensures a suitable solution for any operating requirement and for any type of material. All cleats are designed with a flat base to ensure a uniform adhesion and to adapt to a reduced wrap diameter on pulleys.

Cleats Type*	Model	Height (Hc) mm	Base Width (BW) mm	reinforcement	Weight kg/m	Pulley Diameter, min. mm
RU-TC 	RU-TC70	70	70	NO	1,24	315
	RUF-TC70	70	70	YES	1,24	315
	RU-TC90	90	110	NO	2,7	360
	RUF-TC90	90	110	YES	2,7	360
	RU-TC110	110	110	NO	3	360
	RUF-TC110	110	110	YES	3	360
	RU-TC140	140	140	NO	4,3	480
	RUF-TC140	140	140	YES	4,3	480
	RU-TC180	180	170	NO	6,3	600
	RUF-TC180	180	170	YES	6,3	600
	RU-TC220	220	175	NO	7,4	720
	RUF-TC220	220	175	YES	7,4	720
	RUF-TC230	230	175	YES	7,8	720
	RUF-TC240	240	175	YES	8,2	720
RUF-TC250	250	175	YES	8,5	900	
RUF-TC260	260	175	YES	8,7	900	
RUF-TC280	280	190	YES	11,9	900	
RU-C 	RU-C55	55	90	NO	1,2	125
	RU-C70	70	80	NO	1,5	315
	RU-C110	110	110	NO	2,7	360
	RUF-C110	110	110	YES	2,7	360

* For a suitable choice according to the needs of the application, please consult the LUFH-CBS Technical Department.

Cleats Type*	Model	Height (Hc) mm	Base Width (BW) mm	Fabric reinforcement	Weight kg/m	Pulley Diameter, min. mm
<p>RU-T</p> 	RU-T20	20	40	NO	0,20	160
	RU-T30	30	100	NO	1,80	200
	RU-T40	40	100	NO	2,00	200
	RU-T50	53	100	NO	2,20	250
	RU-T55	55	80	NO	0,90	200
	RU-T75	75	100	NO	1,60	250
	RU-T90	90	110	NO	2,40	315
	RUF-T90	90	110	YES	2,40	315
	RU-T100	100	110	NO	2,70	360
	RUF-T100	100	110	YES	2,70	360
	RU-T110	110	110	NO	3,00	360
	RUF-T110	110	110	YES	3,00	360
	RU-T140	140	140	NO	4,00	480
	RUF-T140	140	140	YES	4,00	480
RU-T180	180	150	NO	4,70	600	
RUF-T180	180	150	YES	4,70	600	
<p>RX-TCR</p> 	RX-TCR360	360	228	YES	19,50	1200

They can be with or without fabric reinforcement and produced with the following rubber compounds:

Sturdy SN - (Grade Y) Moderate abrasion resistant.

OGR – Oil resistant.

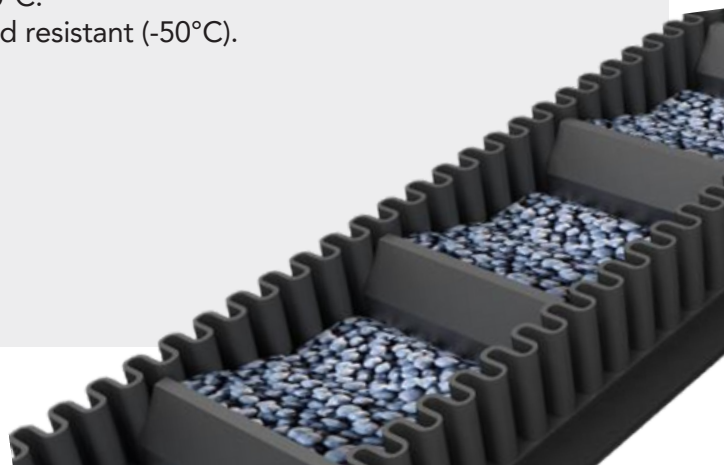
OGR-K - Oil and flame resistant, (Grade S and K).

FireProof – Flame resistant, (Grade S and K).

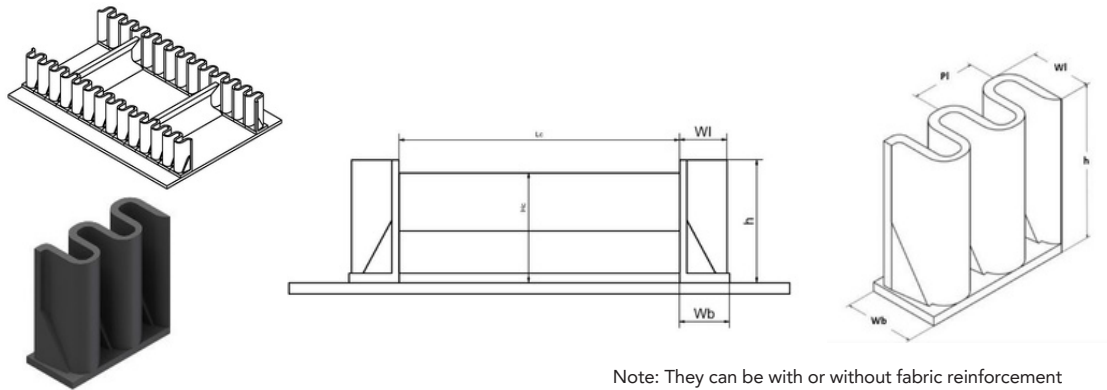
Sturdy SA (Grade W) - Extra abrasion resistant.

Thermik T150 – Heat resistant (130°C) with peaks of 150°C.

Cold resistant (-50°C).



Corrugated Sidewall Types



Note: They can be with or without fabric reinforcement

Model	Height (h) mm	Base Width (Wb) mm	Width (Wl) mm	Pitch (Pl)	reinforcement	Weight, kg/m	Pulley Diameter, min. mm	Inflection wheels diam. min. mm
LD-40/30	40	30	22	25	NO	0,5	250	315
LD-40/50	40	50	42	50	NO	0,8	250	315
LD-60/50	60	50	42	50	NO	1,1	250	315
LD-80/50	80	50	42	50	NO	1,4	250	315
LDF-40/50	40	50	42	50	YES	0,8	250	315
LDF-60/50	60	50	42	50	YES	1,1	250	315
LDF-80/50	80	50	42	50	YES	1,4	250	315
LDF-100/50	100	50	42	50	YES	1,6	360	480
LDF-120/50	120	50	42	50	YES	2,2	360	480
LDF-160/70	160	70	60	55	YES	3,7	480	640
HEF-160/75	160	75	65	60	YES	4,6	480	640
HDF-200/75	200	75	65	60	YES	5,6	600	800
HDF-200/80	200	80	70	65	YES	5	600	800
HDF-210/75	210	75	65	60	YES	5,9	720	960
HDF-220/75	220	75	65	60	YES	6,2	720	960
HDF-230/75	230	75	65	60	YES	6,4	720	960
HDF-240/75	240	75	65	60	YES	6,6	720	960
HDF-240/80	240	80	70	65	YES	6	720	960
HDF-250/75	250	75	65	60	YES	7	900	1200
HDF-260/75	260	75	65	60	YES	7,2	900	1200
HDF-270/75	270	75	65	60	YES	7,4	900	1200
HDF-280/75	280	75	65	60	YES	7,6	900	1200
HDF-280/80	280	80	70	65	YES	7,6	900	1200
HDF-280/100	280	100	90	85	YES	8,2	900	1200
HDF-300/75	300	75	65	60	YES	8,2	900	1200
HDF-300/80	300	80	70	65	YES	8,2	900	1200
XHDF-300/100	300	100	90	85	YES	8,2	900	1200
XHDF-400/100	400	100	90	83	YES	18,7	1200	1600
XHDF-500/100	500	100	90	83	YES	20	1500	2000

* For a suitable choice according to the needs of the application, please consult the LUFH-CBS Technical Department.

Types of FLEXOLUFH Base Belts

XT2T

This base belt consists of an EP (Polyester - Polyamide) type multi-ply tension carcass (XT) and two (2) Fabric (T) cross stabilizing plies, one located in its load carrying cover and the other in its running cover. It is mainly used for medium to heavy duty applications.

Article Code	Tensile Strength N/mm	Fabric n°	Cover mm	Pulley Diameter, min. mm
XT2T315	315	2+2	3+1.5	250
XT2T500	500	3+2	5+3	400
XT2T630	630	4+2	5+3	500
XT2T800	800	5+2	5+3	630
XT2T1000	1000	5+2/6+2	5+3	800
XT2T1250	1250	5+2	5+3	800
XT2T1600	1600	5+2	5+3	1000

XT2S

This base belt consists of a multi-ply tension carcass (XT) of EP (Polyester - Polyamide) type and two (2) cross plies of steel cords (S), one in its carry cover and one in its running cover. Its high lateral stiffness allows this belt to be applied for long distances and high lifting heights.

Article Code	Tensile Strength N/mm	Fabric +ST n°	Cover mm	Pulley Diameter, min. mm
XT2S500	500	3+2	5+3	250
XT2S630	630	4+2	5+3	400
XT2S800	800	5+2	5+3	500
XT2S1000	1000	5+2/6+2	5+3	630
XT2S1250	1250	5+2	5+3	800
XT2S1600	1600	5+2	5+3	800

ST2S

Consisting of the steel cord tension carcass (ST) and two (2) steel cord cross plies (S), one in its carry cover and one in its running cover. With this type of construction high tensile strengths can be achieved making the belt ideal for high vertical lift applications.

Article Code	Tensile Strength N/mm	Cover mm	Pulley Diameter, min. mm
ST2S1000	1000	6+4	630
ST2S1250	1250	6+4	800
ST2S1600	1600	6+4	800
ST2S2000	2000	6+4	800
ST2S2500	2500	6+4	1000
ST2S3150	3150	6+4	1250
ST2S3500	3500	6+4	1250

They can be with or without fabric reinforcement and produced with the following rubber compounds:

Sturdy SN (Grade Y) - Moderate abrasion resistant.

OGR – Oil resistant.

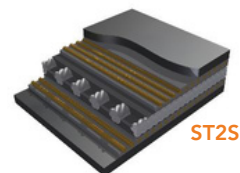
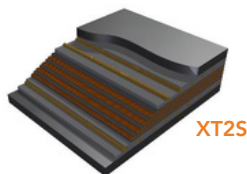
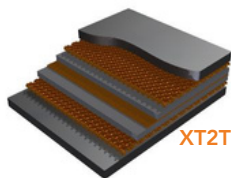
OGR-K - Oil and flame resistant (Grade S and K).

FireProof – Flame resistant (Grade S and K).

Sturdy SA (Grade W) - Extra abrasion resistant.

Thermik T150 – Heat resistant (130°C) with peaks of 150°C.

Cold resistant (-50°C).



FLEXOLUFH has for you some accessories to improve your conveyor belts for vertical or steeply inclined conveying systems.

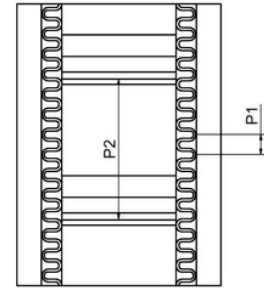
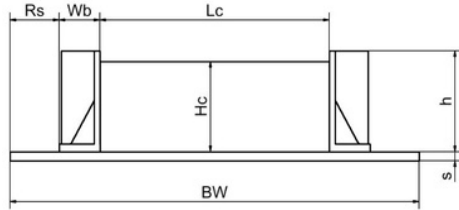
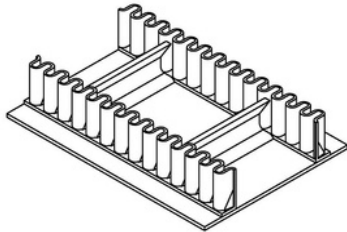
FIX: lateral fastening system to join corrugated sidewall and cleats together guaranteeing the perfect conveying of the material and avoiding any outflow of fine material.

BLINKERS: rubber sheets and the corrugated wall to prevent the materials handled from sticking in the corrugated areas.

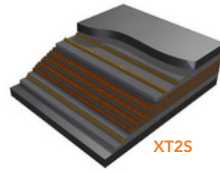
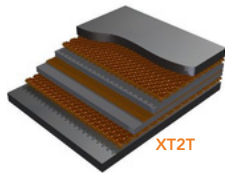
Upon request, base belts are available in different tensile strengths and/or cover thicknesses.

* For a suitable choice according to the needs of the application, please consult the LUFH-CBS Technical Department.

Data collection sheet

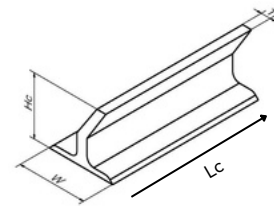
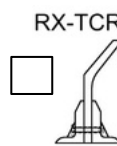
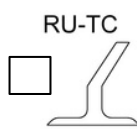
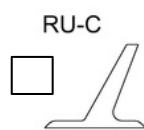
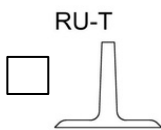


Belts types



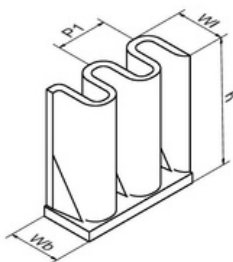
Specification: _____
 Belt width (BW): _____ mm, Tension: _____ N/mm, Carcass type: _____, Number of plies: _____,
 Stabilizer type: _____, Cover rubber grade: _____, Top cover thickness: _____ mm,
 Lower cover thickness: _____ mm, Total band thickness (s): _____ mm.
 Conveyed material: _____, Material density: _____, Material size: _____,
 Material temperature: _____ °C, Design capacity: _____ T/h, Speed: _____ m/s
 Operating conditions (% Humidity, Oil or chemical presence, flame, etc) : _____,
 Conveyor angle: _____.

Cleats types

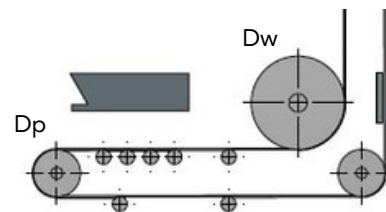


With or without fabric reinforcement: _____, Height (Hc) : _____, Width (W): _____, Thickness (T): _____,
 Pitch (P2): _____ Heel length (Lc): _____ mm.

Corrugated Sidewall Types



With or without fabric reinforcement: _____,
 Height (h) : _____ mm,
 Base width (Wb): _____ mm,
 Corrugated width (Wl): _____ mm,
 Pitch (P1): _____ mm,
 Recess (Rs): _____ mm



Wheel diameter (Dw): _____ mm.
 Pulley diameter (Dp): _____ mm.

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