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STRONGFLEX is a professional manufacturer and exporter of Conveyor Belt in China.

"CONSECUTIVE GOOD QUALITY ! BOTTOM LOWEST PRICES! TIMELY DELIVERY ! " has won a good prize and reputation from market for us. Strongflex People will take this as a good chance, and will sincerely and friendly cooperate with friends from all the world.

Note: Products can be produced according to clients' request

STRONGFLEX CONVEYOR BELT

Add : No.172 Xinhua Road, Shijiazhuang, Hebei, China

Phone: 0086-311-87187255 / 87663100

Fax: 0086-311-87872393

E-mail: strongflex@yahoo.cn

MSN: strongflex@hotmail.com

Website: <http://www.strongflex.com>

Steel Cord Conveyor Belt

Standards: GB9770-88, MT147, MT668, DIN22131, JISK6369, AS1333 etc.

Structure: The belt core is comprised of longitudinally and evenly arranged non-spinning galvanized wire ropes and high adhesive core rubber, with the upper side and lower side covered with rubber layer.

Features: High tensile strength, long service life, short elongation under service, good groove formation property and good anti-flexure property, suitable for conveying materials across long distance, with large volume and high speed.

Types: According to structure: General type, Impact resistance and Rip resistance transverse type. According to application: besides General-used steel cord belt, there are some kinds of Fire-retardant type, Cold-resistant type, Wear-resistant type, Heat-resistant type, Acid and alkaline resistant type, Oil-resistant type, High-grade type and etc.

Model: ST630,ST800,ST1000,ST1250, ST1600,ST2000, ST2500, ST3150, ST3500, ST4000,ST4500,ST5000,ST5400.



1) Technical Data For Steel Cord Conveyor Belt According to DIN22131

	ST 1000	ST 1250	ST 1600	ST 2000	ST 2500	ST 3150	ST 3500	ST 4000	ST 4500	ST 5000	ST 5400
Longitudinal Tensile Strength (N/mm)	1000	1250	1600	2000	2500	3150	3500	4000	4500	5000	5400
Steel diameter (mm)	4.1	4.9	5.6	5.6	7.2	8.1	8.6	8.9	9.7	10.9	11.3
Space length Between Cords (mm)	12	14	15	12	15	15	15	15	16	17	17
Min. Cover Thickness	4	4	4	4	5	5.5	6	6.5	7	7.5	8
Width item (mm)	Steel cords Number										
500	39	34									
650	51	44	40	51	40	40	40	40	37		
800	64	55	50	64	50	50	50	50	46	43	43
1000	81	69	64	81	64	64	64	64	59	55	55
1200	97	84	77	97	77	77	77	77	71	66	66
1400	114	98	90	114	90	90	90	90	84	78	78

1600	131	112	104	131	104	104	104	104	96	90	90
1800	147	127	117	147	117	117	117	117	109	102	102
2000	164	141	130	164	130	130	130	130	121	113	113
2200	181	155	144	181	144	144	144	144	134	125	125
2400	197	169	157	197	157	157	157	157	146	137	137
2600	214	184	170	214	170	170	170	170	159	149	149
2800	231	198	170	214	170	170	170	170	159	149	149
3000	247	212	197	247	197	197	197	197	184	172	172
3200	264	227	210	264	210	210	210	210	196	184	184

2) Cover rubber property and grades:

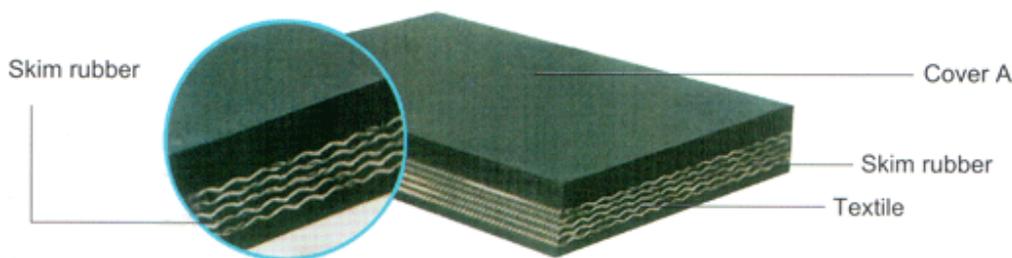
Test items		Property indexes						
		GB9770-2001				DIN22131		
		D	H	L	P	W	X	Y
Tensile strength	Mpa ≥	18	25	20	14	18	25	20
Elongation at break	% ≥	400	450	400	350	400	450	400
Aging test (70°C.7D) change rate of tensile strength	%	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25
Abrasion (MM3)	≤	90	120	150	200	90	120	150

3) Adhesion of steel cord

Strength	St 630	St 800	St 1000	St 1250	St 1600	St 2000	St 2500	St 3150	St 3500	St 4000	St 4500	St 5000	St 5400
Adhesion N/mm GB9770-2001	60	70	80	95	105	105	130	140	145	150	165	175	180
Adhesion N/mm DIN22131-88	60	70	80	95	105	105	130	140	145	150	165	175	180

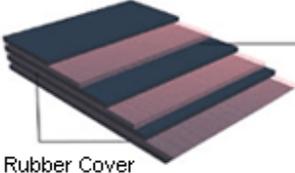
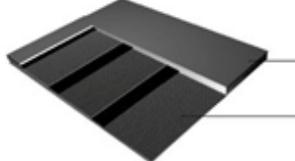
Note: The length of single roll of conveyor belt is 100m-1500m, depending on its thickness, width, transportation and installation conditions. The length shall be determined through discussion of supplier and buyer.

Multi-ply Fabric Conveyor Belt



Fabric Conveyor Belts are named according to different carcass: Nylon Conveyor Belt, EP Conveyor Belt, Cotton Conveyor Belt.

	<p>NN BELT: under condition of middle/ long distance. heavy loading capacity, high speed, strong lash and high vulnerability.</p>
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 <p>EP Fabric With Rubber</p> <p>Rubber Cover</p>	<p>EP BELT: under condition of middle/long distance, heavy loading capacity, high speed conveying, good flexing capacity, troughable, heat resistant, low lad elongation.</p>
 <p>Rubber Cover</p> <p>Fabric With Rubber</p>	<p>CC BELT: suitable for middle/ short distance conveying.</p>

Multi-ply fabric belt specification:

Belt Type	Fabric Type	Single Fabric Strength (N/mm)	Single Fabric Thickness (mm)	Cover Thickness(mm)		Ply	Width Range (mm)	Length(m)/Roll
				Top Rubber	Bottom Rubber			
CC Belt	CC--56	56	1.10	3-16	0-10	3-12	300-7400	20-1000
NN Belt	NN100	100	0.70	3-16	0-10	2-10	300-7400	20-1000
	NN150	150	0.75					
	NN200	200	0.90					
	NN250	250	1.15					
	NN300	300	1.25					
	NN400	400	1.50					
EP Belt	EP100	100	0.75	3-16	0-10	2-8	300-7400	20-1000
	EP150	150	0.85					
	EP200	200	1.00					
	EP250	250	1.20					
	EP300	300	1.35					
	EP350	350	1.50					
	EP400	400	1.65					

Marking:

EP630/4-1200-6+2 AS M

- EP:** Basic strength material is EP fabric
- 630/4:** Tensile strength in warp is 630N/mm, with 4 plies EP fabric
- 1200:** belt width is 1200mm
- 6+2:** Thickness of top and bottom cover rubber 6mm, 2mm
- AS M:** Cover rubber grade (According to AS-M)

Application:

Widely Used in Mining, Harbour, Coal, Metallurgy, Chemical etc. Field for Conveying Materials.
 Type: Base on the rubber cover, the multi-ply conveyor belt can be clarified as follows : Normal Standard , Heat-resistant, Flame-retardant, Abrasion-resistant, Normal fire-resistant, Static-transmission , Acid-alkali resistant, Oil-resistant and Food type .

Type	Feature and application
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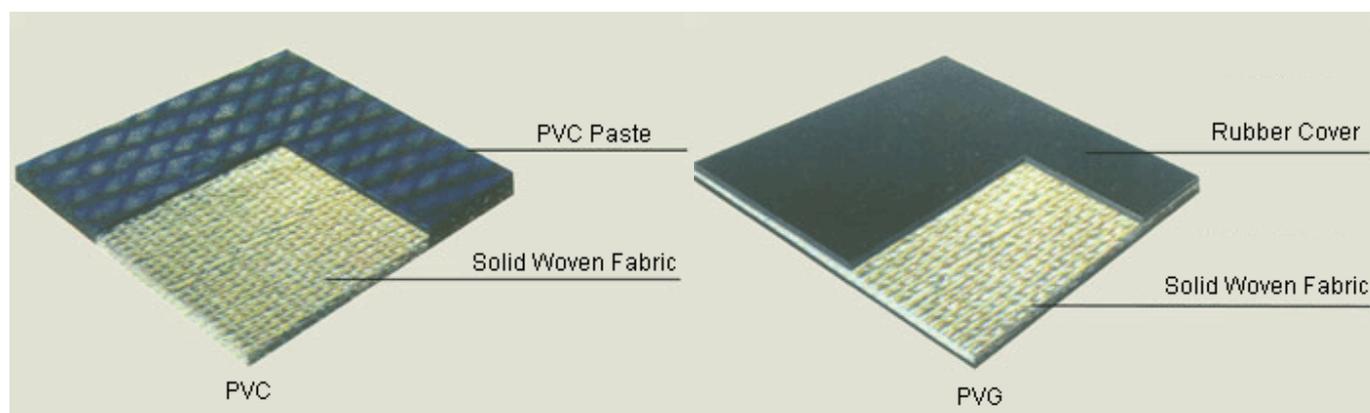
Conventional	Generally used for powder,grain block material
Oil/fat resistant	Oil,fat material
Acid&alkali resistant	PH4-10 material
Heat resistant	T 1≤100℃, T2≤125℃
temperature resistant	T3≤150℃, T4≤180℃, Fire Resistant:200-600℃
Flame retardant	T3≤150℃,T4≤180℃,Fire Resistant:200-600℃
Cold resistant	Cold up to -40℃
Abrasion resistant	Anti-shock for shaped material

Solid Woven Conveyor Belt

PVC/PVG: Solid woven flame retardant belts are used in conveying coal,without taking off for layers,low elongation, anti-shock and tearing-resistant, usually used in mining.

PVC Belt: Used for conveying material up to 16° inclination under dry conditions.

PVG Belt: Rubber cover,suitable for conveying water material up to 20°,inclination.



MA	PVG(PVC)	800	S	N	2001	01
Safe Marks" symbol	Material of cover :rubber (Material of cover :palastic)	Elonntion break strength of Flam retardant	Code of Flame retardant and antistatic	Name of Manufacture	date of Manufacture	Quality certificate NO.



Specification of solid woven conveyor belt:

Type	Total Tensile Strength(N/mm)		Total Tensile Rate at breaking \geq		Width(mm)	Length(mm)/Roll
	Elongation	Transverse	Elongation	Transverse		
680S(Grade4)	680	265	15	18	800 2000	50 200
800S(Grade5)	800	280				
1000S(Grade6)	1000	300				
1250S(Grade7)	1250	350				
1400S(Grade8)	1400	350				
1600S(Grade9)	1600	400				
1800S(Grade10)	1800	400				
2000S(Grade11)	2000	400				
2240S(Grade12)	2240	450				
2500S(Grade13)	2500	450				
2800S(Grade14)	2800	450				
3100S(Grade15)	3100	450				
3400S(Grade16)	3400	450				

Patterned (Chevron) Conveyor Belt

Patterned conveyor belt is composed of belt carcass and pattern cover, Pattern shape and height(depth) may be different because of different conveying material and gradient of conveyor.

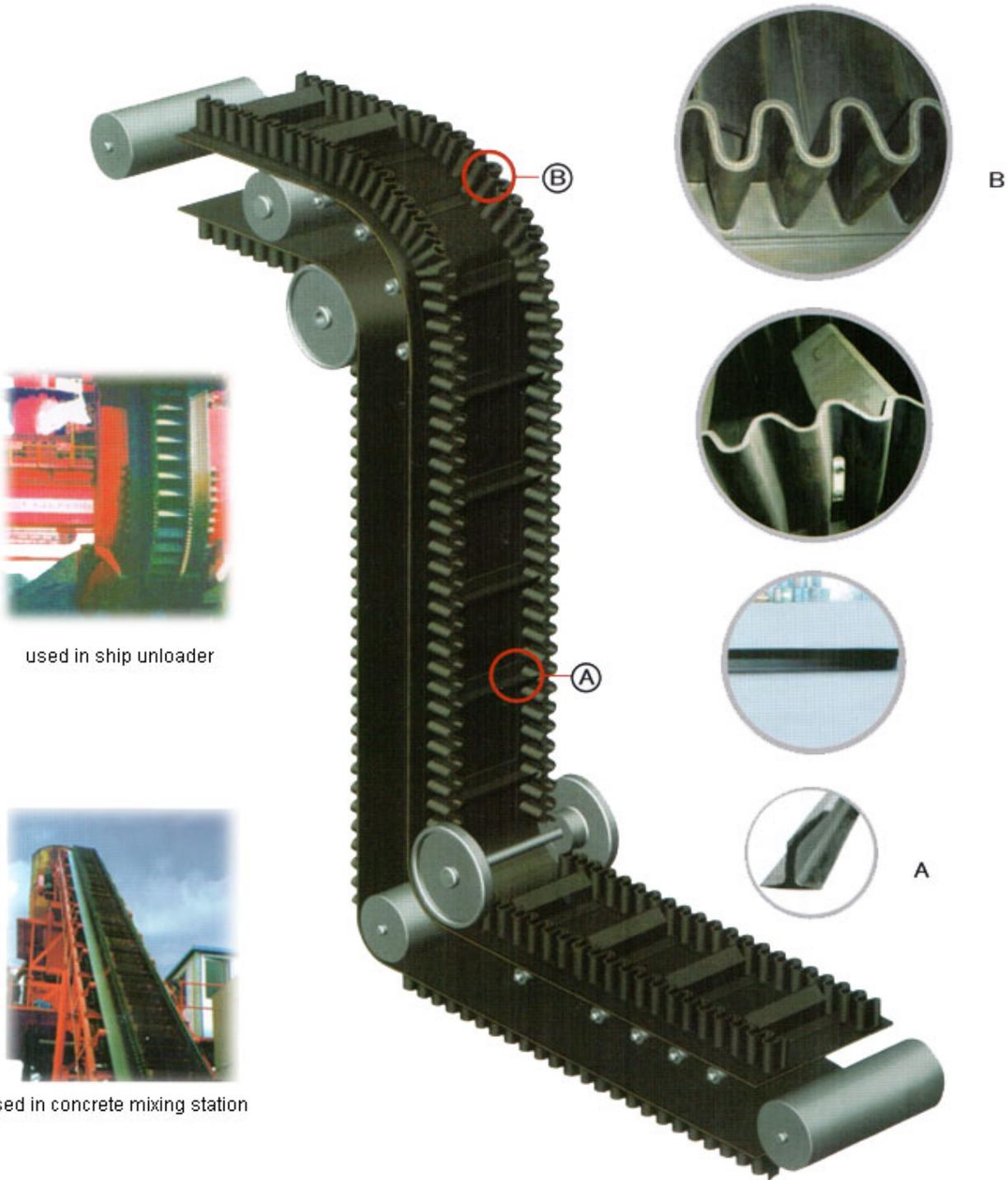
Shape and characteristics:

On surface of the belt, there is chevron pattern higher than the belt body, the pattern may be either open-end or closed, Each kind of pattern includes three types of high, medium and low.

Uses: It can convey powdered, granulated and small lump material at the gradient of no more than 40°. It can also convey packaged materials.



Sidewall Conveyor Belt



used in ship unloader



used in concrete mixing station

Feature:

Corrugated sidewall conveyor belt is one of the most effective ways of elevating materials in a confined space, the economy is achieved by single belt operation, wide range material can be handled, less space requirement, no transfer point, low maintenance and big capacity. Corrugated sidewall belt can be designed into a set of complete transportation system according to application.

Base Belt Structure:

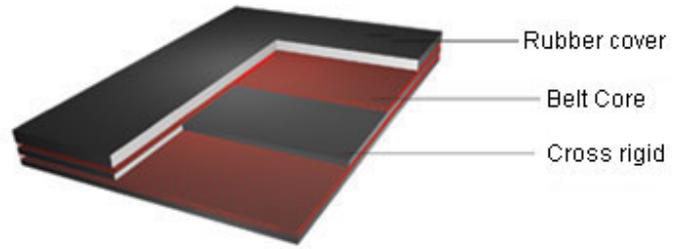
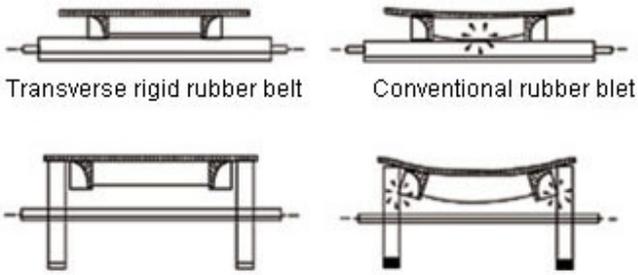
Four parts: Top cover rubber; Bottom cover rubber; Reinforced core; Cross rigid.

Thickness of top cover rubber: 3-6mm;

Thickness of bottom cover rubber: 1.5-4.5mm.

Belt core: Cotton, Nylon, EP or Steel Cord

The Width is the same as normal belt. The standard meets with GB/T7984-2001.



Cleat:

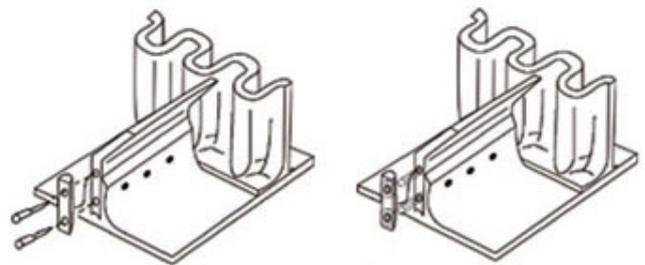
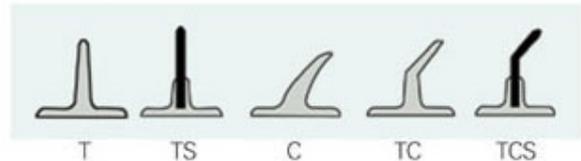
Cleat types: T, TS, C, TC and TCS

The cleat is made of enforced fabric, solid, anti-shock to avoid distortion.

"TS" and "TCS" cleat are normally used for abrasion condition.

"T" and "TS" cleat are normally used up to 40°,
 "TC" and "TCS" are normally used from 40° to 90°,

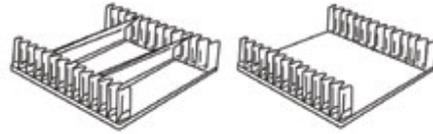
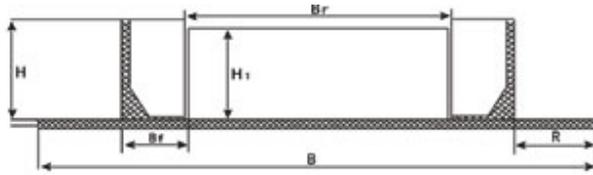
Cleat Type



Sidewall and cleat

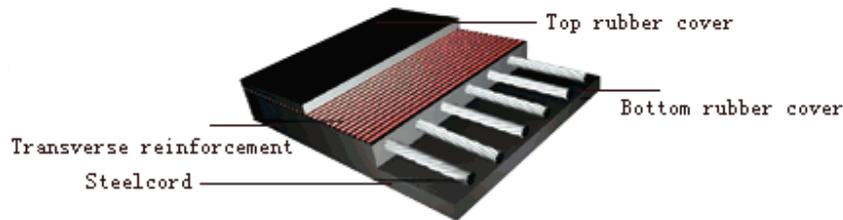
Type Name	N					S				ES			
Sidewall													
Height	40	60	80	100	120	120	160	200	240	300	400	500	630
structure													
Type	TC					TC				TC			
Height	35	55	75	90	110	110	140	180	220	280			
structure													
Type	T					T		TS		TS			
Height	35	55	75	90	110	110	140	180	220	280	360	460	580
structure													
Type	C					C		TCS		TCS			
Height		55	75	90	110	110		180	220	280	360	460	580

Not-standard of sidewall: S136 S220 S270 S360



Base Belt Width (mm)	Sidewall Height (mm)	Cleat height H1(mm)	BF(mm)	Br(mm)	R(mm)
300	40	35	25	180	35
	60	55	50	120	40
	80	75			
400	60	55	50	180	60
	80	75			
	100	90			
500	80	75	50	250	75
	100	90			
	120	110			
650	100	90	50	350	100
	120	110			
	160	140	75	300	
800	120	110	50	460	120
	160	140	75	410	
	200	180			
1000	160	140	75	550	150
	200	280			
	240	220			
1200	160	140	75	690	180
	200	180			
	240	220			
	300	280	105	630	
1400	200	180	75	830	210
	240	220			
	300	280	105	770	
	400	360			
1600	200	180	75	970	240
	240	220			
	300	280	105	910	
	400	360			
1800	240	220	75	1110	270
	300	280	105	1050	
	400	360			
	500	460	125	1010	

Bucket Elevator Belt



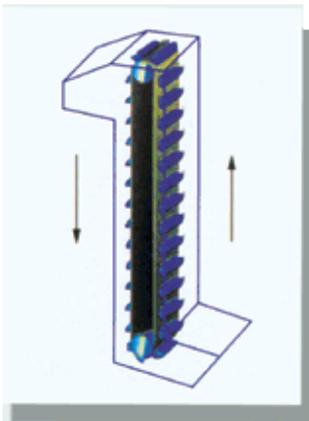
1. Configuration

Elevator-bucket belt is composed of rubber belt and elevator-bucket. The core of belt has two kinds of structures: fabric core and steel cord, which can be used for vertical elevated conveying. The requirements need the belt with high strength and low elongation, thus the elevator-bucket belt uses steel cords or polyester (polyester fiber) canvas as strength ply of belt.

2. Application: Suitable for conveying material vertically, widely used in building, mining, chemical, light industry, Power station and grain etc. field.

3. Feature: Little earth coverage, no pollution, great conveying capacity, suitable for conveying bulk material.

Belt Type	Belt Type	Fabric Type	Cover Thicknesses (mm)		Width Range (mm)
			Top Rubber	Bottom Rubber	
Belt type	Cotton canvas belt	CC-56	1.5	1.5	300-2200
	Nylon belt	NN100-EP400			300-2200
	EP belt	EP100-EP400			300-2200
Belt type	Cotton canvas belt	CC-56	4.5	4.5	300-2200
	Nylon belt	NN100-NN400	6.0	6.0	
	EP belt	EP100-EP400			
	Steel cord conveyor belt	ST630-ST5000			



The belt is made of either antitearing EP canvas or steel core as center material with antitearing rubber cover, good application capability, running steadily, low maintenance.



Bucket Elevator Splicing Kits

Endless Conveyor Belt

Endless conveyor belt is conveyor belt that has been made into endless without joint in the process of production. Its feature is that there is no joint in belt carcass, and the belt shall not be shortened in service life due to early failure in the joints of the belt. The belt is flat in surface and even in tension, thus it runs smoothly and its elongation in working is low.



Foodstuff Conveyor Belt

Characterics:

The product selects cotton canvas or EP canvas as carcass. The belt body has good elasticity and is not easily transformed. The cover rubber of the belt is made of pure natural rubber and is non-pollutive. The cover rubber is white or pale in color, non-pollutive, with no foreign smell and not influencing food hygiene. The product is reasonable in formula design, suitable in color, light and lasting in use, and conforming to all hygienic indexes.

Uses:

Suitable for conveying cereals in bulk or packed in tins, bales or cases in the food industry or cereal industry.

Technical indexes:



Items		Unit	Indexes
Cover rubber property	Tensile strength	MPa	≥14
	Elongation at break	%	≥350
	Abrasion	cm ³ / 1.61km	≤0.8
Adhesion	Between rubber and carcass	N / mm	≥2.7
	Between plies		≥2.7

Hygienic indexes:

Items		Unit	Indexes
Remains of vaporization	4% Acetic acid soaking liquid	mg / L	≤1000
	Hexane soaking liquid	mg / L	≤2000
Potassium permanganate consumption, water soaking liquid		mg / L	≤70
Zinc, 4% Acetic acid soaking liquid		mg / L	≤60
Heavy metals (Pb), 4% Acetic acid soaking liquid		mg / L	≤1.0
Fading test	Soaking liquid		Negative
	Colorless oil or edible oil		Negative

ACCORDING TO STANDARDS

General Purpose Belts:

Cover Type	Standard & Grade	Minimum Tensile Strength (Mpa)	Minimum Elongation At Break (%)	Maximum Abrasion Loss (mm)	Application Characteristics	Reference Material
General	DIN -X	25	450	120	It has high tensile strength. Suitable for conveying large lumps, sharp edged rugged materials	Iron Ore, coal, Lignite, Copper Ore, Limestone, Blast Furnance, Slag, Stone, Rock etc.
	AS-M	24	450	125		
	IS-M-24	24	450	150		
	BS-M24	24	450	150		
	SANS-M	24	450	120		
	SANS-N	20	400	150	Suitable for conveying moderately abrasive material	Sand, Cement, Slaked Lime, Wood Chips, Pulp (Dry)
	DIN-Y	20	400	150		
	AS-N	17	400	150		
	IS-N 17	17	400	200		
	BS-N 17	17	400	150		
	RMA 1	17	450	150		
JIS-S	18	450	200			
High & Super Abrasion Resistant	DIN-W	18	400	90	Supirior Resistant Belt suitable for conveying high abrasive mateial	Lime Stone, Metal Ore, Stag, Iron, Glass etc
	AS-A	17	400	70		

Heat Resistant Belts:

Cover Type	Standard & Grade	Minimum Tensile Strength (Mpa)	Minimum Elongation At Break (%)	Maximum Abrasion Loss (mm)	Maximum Temperature	Reference Material
Heat Resistant	DIN -T	13.0	350	150	Upto125 Coarse material and 100 C for fines	Hot Coke, Foundry Sand, Iron Pellets, Sintered ore, Hot lime stone, Cement Clinker and Soda Ash
	IS-HR(T1)	13.0	350	150		
	DIN-T	12.5	350	180	Upto150 Coarse material and 125 C for fines	
	IS-HR(T2)	12.5	350	180		
	ORIL-UHR (T3)EPDM rubber based	10	300	200	Upto200 Coarse material and 1 80 C for fines	

Fire Resistant Conveyor Belt

Cover Type	Standard & Grade	Minimum Tensile Strength (Mpa)	Minimum Elongation At Break (%)	Maximum Abrasion Loss (mm)	Application Characteristics	Reference Material
Fire Resistant	SANS-F	17	350	180	Excellent resistance to flame Propagation and has very low burning rate.	Materials with fire hazards, e.g. coal
	ISO-340	17	350	180		
	DIN-S	17	350	180		
	DIN-K	17	350	180		
	AS-F	14	300	200	Good Resistance to falme propagation and has low burning rate	
	CAN/CSA	17	350	200		
	Type-C					
	IS-FR	17	350	200		
	MSHA	17	350	200		