



INDUSTRIAL AND ENGINEERING
— TECHNOLOGIES —



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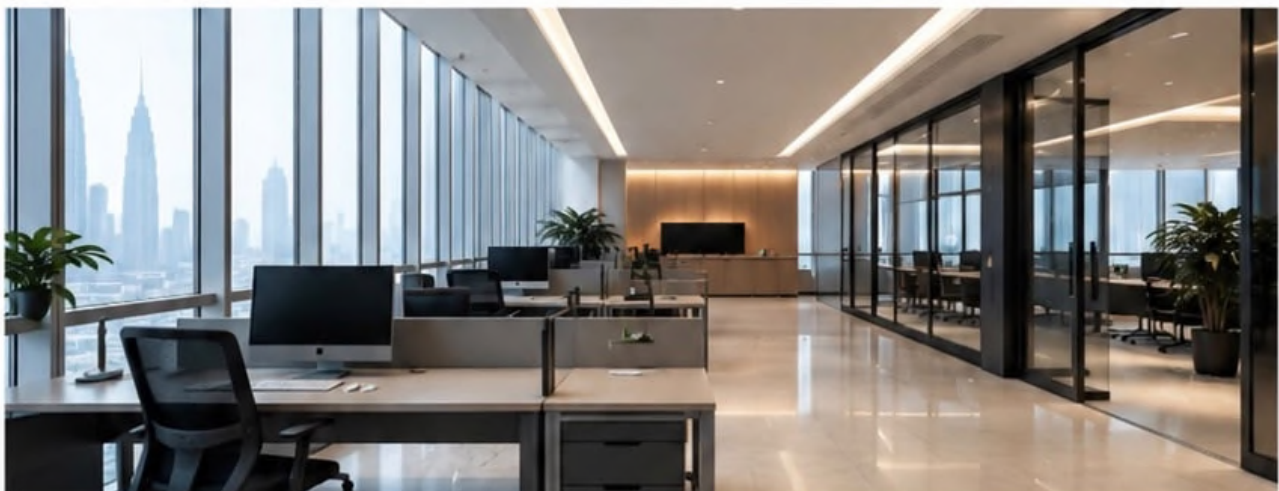
Company Introduction

Industrial and Engineering Technology Co., Limited

Industrial and Engineering Technology Co., Limited is a professional supplier dedicated to the research, development and production of high-quality conveyor belts. With strong independent design and manufacturing capabilities, our company has become a trusted partner for clients across a wide range of industries by delivering reliable and innovative conveyor belt solutions.

We utilize advanced manufacturing equipment and strict quality control systems to produce various types of conveyor belts, including fabric conveyor belts, steel cord conveyor belts, solid woven conveyor belts and special conveyor belts. Our products are widely recognized for their excellent abrasion resistance, high tensile strength, long service life, low elongation and outstanding corrosion resistance.

With large-scale production capacity and efficient management, we are able to meet the demands of bulk orders while maintaining consistent product quality and short lead times. Through advanced production processes and automation technology, we ensure effective and stable manufacturing. In addition, we provide customized solutions tailored to our clients' specific requirements, including product design, dimension adjustment and material selection. Our experienced engineering team works closely with customers to deliver conveyor belts that optimize performance, reduce operational costs and enhance overall productivity.



Quality Assurance And Control

Industrial and Engineering Technology Co., Limited

We place great emphasis on quality control and employ professional personnel at every stage of the quality inspection process. From raw material procurement, all suppliers are strictly evaluated and inspected to ensure compliance with our quality standards. Complete records are maintained in our management system. Every batch of raw materials is tested in accordance with international standards, and only those that meet the requirements are approved for storage and production.

During the production process, we implement strict control management and adhere to precisely engineered processing procedures. Self-inspection and mutual inspection are carried out at every key step, including mixing, calendaring, forming and vulcanizing, to ensure that all conveyor belts conform to quality management standards. Our company is equipped with advanced vulcanizing production lines, mixing lines and four-roll calendaring lines to ensure stable and consistent product quality.

In terms of quality inspection, we are equipped with advanced testing equipment, including abrasion testers, aging testers, ozone resistance testers, tensile strength testers, roller friction testers and conveyor belt run-out testers. Before shipment, all conveyor belts undergo comprehensive testing for tensile strength, abrasion resistance and adhesion performance. Detailed test records are retained to ensure full traceability of product quality. Only products that meet our stringent quality standards are released for delivery.

Usage Method And Maintenance Instruction

Industrial and Engineering Technology Co., Limited

1. Direct sunlight and damp conditions should be avoided when the conveyor belt is in transit or in storage. Prevent contact with substances such as acid, alkali, oil, organic solvents, and others. The conveyor belt should be placed at least one meter away from heat sources.
2. The warehouse temperature should be maintained between -18°C and 40°C, with relative humidity kept between 50% and 80%.
3. The products should be stored in rolls and must not be folded. They should be rotated once every quarter during storage.
4. Conveyor belts of different types, specifications and layers must not be spliced together. For splicing, the preferred method is through vulcanization.
5. The operating speed of conveyor belts should generally be lower than 2.5 meters per second. Materials with large lump size, high abrasiveness, and fixed-type unloading devices should be operated at low speed.
6. The matching of drive drum diameter, the number of belt layers, the installation of the drive drum with turnaround drum, and the angle of the carrying rollers should be determined in accordance with the conveyor design and selected reasonably.

1.1 EP Conveyor Belt

Top Cover: abrasion-resistant rubber with high wear resistance

Carcass: polyester fabric layers and nylon in the weft and warp directions

Bottom Cover: abrasion-resistant rubber

Tensile Strength: 500 – 3200 N/mm

Belt Width: 500 – 3200 mm

Applications: suitable for medium, long-distance and heavy-duty conveying of materials in mining, metallurgy, steel plants, construction materials, building, chemical industry, machinery, ports and other industries.

Features: low elongation, excellent troughability, high resistance to moisture, damp environments and mildew, strong interlayer adhesion between carcass fabric and rubber covers, high tensile strength, excellent elasticity.



PRODUCT SPECIFICATION:

EP Conveyor Belt Specification									
Fabric Type	Fabric Specification	Belt Ply Thickness (mm)	Tensile Strength (N/mm)			Cover Rubber Thickness (mm)		Belt Width (mm)	Belt Length (m)
			2 Ply	3 Ply	4 Ply	Top Cover	Bottom Cover		
EP/Polyester	EP-80	1.00	160	240	320	2.0–8.0	0–4.5	300–2000	20–300
	EP-100	1.00	200	300	400				
	EP-125	1.05	250	375	500				
	EP-150	1.10	300	450	600				
	EP-170	1.15	340	510	680				
	EP-200	1.20	400	600	800				
	EP-250	1.40	500	750	1000				
	EP-300	1.60	600	900	1200				
	EP-350	1.70	—	1050	1400				
	EP-400	1.90	—	—	1600				
	EP-500	2.10	—	—	2000				

Adhesion and Elongation					
Item	Adhesion			Elongation at Break	
	Between Ply	Between Ply and Cover		Longitudinal Elongation at Break	Transverse Elongation at Break
		Top Cover ≤1.5mm	Bottom Cover >1.5mm		
EP/Polyester Fabric	≥4.50	≥3.2	≥3.5	≥10%	≤4%

Cover Rubber Performance					
Cover Property	Tensile Strength			Elongation at Break	Abrasion (Volume Loss)
	≥ 2	≥ 2	≥ 5		
	MPa	kgf/cm ²	%	mm ³	mm ³
Top Cover	24	240	450	120	-25~+25
Middle Layer	18	180	400	100	-25~+25
Bottom Cover	15	150	350	200	-30~+30

1.2 NN Conveyor Belt

Top Covering Layer: High abrasion resistance rubber

Carcass: Nylon fabric or nylon fibers in warp and weft

Bottom Covering Layer: High abrasion resistance rubber

Tensile Strength: 500 ~ 3200 N/mm

Belt Width: 500 ~ 3200 mm

Application: Suitable for medium, long-distance, and heavy-load transportation of materials in a wide range of industries, such as metallurgy, steel plant, building material, chemical, machinery equipment, energy, etc.

Features: High abrasion resistance, high tensile strength, good fatigue resistance, excellent troughability, strong adhesion between plies, exceptional flexibility, long working life.



PRODUCT SPECIFICATION:

NN Conveyor Belt Specification							
Fabric Type	Fabric Specification	Fabric Layer Thickness (mm)	Single Fabric Strength (N/mm)	Covering Layer		Width (mm)	Length (m)
				Top Layer	Bottom Layer		
Nylon/NN	NN-100	0.70	100	1.5-8	1-4.5	300-1800	20-300
	NN-125	0.75	125				
	NN-150	0.80	150				
	NN-200	0.90	200				
	NN-250	1.10	250				
	NN-300	1.25	300				
	NN-350	1.35	350				
	NN-400	1.70	400				
	NN-500	1.80	500				

Adhesion and Elongation					
Belt	Adhesion			Elongation at break	
Carcass	Interlayer N/mm	N/mm between rubber and carcass		Longitudinal elongation at break	Longitudinal reference elongation
		Rubber thickness ≤1.5mm	Rubber thickness >1.5mm		
Nylon Canvas	≥4.50	≥3.2	≥3.5	≥10%	≤4%

Cover Performance of NN Conveyor Belt

Cover Level	Tensile Strength		Elongation at Break	Abrasion	Change Rate of Tensile Strength and Elongation at Break After Aging
	$\geq$		$\geq$	$\leq$	
	MPa	kgf/cm ²	%	mm ³	%
Heavy	24	240	450	120	-25 ~ +25
Medium	18	180	400	100	-25 ~ +25
Light	15	150	350	200	-30 ~ +30

1.3 Heat Resistant Conveyor Belt

Top Cover: SBR, EPDM, or CR rubber with good heat resistance

Carcass: Ply of cotton canvas or polyester canvas

Bottom Cover: SBR, EPDM, or CR rubber with good heat resistance

Standard: GB/T20021-2005

Tensile Strength: 500 – 3200 N/mm

Belt Width: 500 – 3200 mm

Can bear high temperature ranging from 250°C to 600°C

Application: Mainly used to convey hot materials or high-temperature materials in metallurgy, steel plant, casting, building material, cooking, chemical, energy, etc.

Features: Exceptional high temperature resistance, high tensile strength, good resistance to tear and abrasion, high strength carcass construction.



PRODUCT SPECIFICATION:

Item			Classes			
			T1	T2	T3	T4
			Test Temperature			
			≤100°C	≤125°C	≤150°C	≤175°C
			Change Range Allow			
Hardness	The difference between the before and after aging		20	20	±20	±20
	Maximum value after aging		85	85	85	85
Tensile Strength	Performance change rate		-25	-30	-40	-40
	Minimum value after aging		12	10	5	5
Elongation	Change range after aging		-50	-50	-55	-55
	Minimum value after aging		200	200	180	180
Adhesive	Top Cover Rubber to Ply	Average value	2.1			
		Minimum value	1.7			
	Ply to Ply	Average value	2.1			
		Minimum value	1.7			
	Ply to Bottom Cover Rubber	Average value	2.1			
		Minimum value	1.7			

1.4 Fire Resistant Conveyor Belt

Top Cover: Flame-retardant rubber

Carcass: Nylon or polyester canvas

Bottom Cover: Flame-retardant rubber

Application: Suitable for conveying materials in heating plants, power plants, waste incineration plants, iron and steel plants, foundries, tunnel construction and underground mines.

Features: Highly flame retardant and anti-static, good resistance to impact and wear, excellent resistance to chemical corrosion, prevent fire from spreading through the entire conveyor belt and ensure the personal and property safety.



PRODUCT SPECIFICATION:

Overlay Performance			
Executive standard: GB/T 10822-2003			
Project	Company	Level L	Level D
Tensile Strength	Mpa	≥14	≥18
Elongation at break	%	≥400	≥450

Safety Performance		
Project	Flame Retardant Grade	
	K2	K3
Flame duration	The total flame duration of six coated specimens is not more than 45s, and any single value is not more than 15s.	The average flame duration of three coated specimens is not more than 60s.
Electrostatic conductivity	≤3×10 ⁸ Ω	
Reburning property	No flame shall reappear on any specimen.	

1.5 Oil Resistant Conveyor Belt

Top Cover: Oil-resistant NBR rubber

Reinforcement: Nylon canvas or polyester canvas

Bottom Cover: Oil-resistant NBR rubber

Technical Standard: HG/T3714-2003

Application: Can be used to convey oily or greasy materials

under oily working environment in metallurgy, steel plant,
chemical, energy, building materials and construction, port, etc.

Features: Superior oil and grease resistance, low rate of volume
change, good flexibility and durability, excellent resistance to
wear and tear, high versatility.



PRODUCT SPECIFICATION:

Grade	Tensile Strength	Elongation at Break	Maximum Abrasion Loss	Polymer/Rubber	Working Temperature Range	Application
	Mpa	% Minimum	mm ³		°C	
Oil Resistance (OR)	15	300%	150	NBR Blend	-30 ~ +60	For materials like grains, refuse, woodchips, fertilizers coated with oil, coated coal/coke, etc.
Moderate Oil Resistance (MOR)	12	300%	300	NBR Blend	-30 ~ +50	For materials with moderate amount of oil like grain, refuse, recycling waste, wood pulp, pinewood, etc.

1.6 Acid–Alkali Resistant Conveyor Belt

Top Cover: Chemical resistant rubber materials

Carcass: Nylon canvas, cotton canvas, or polyester canvas

Bottom Cover: Chemical resistant rubber materials

Technical Standard: HG/T3782-2005

Application: Specifically designed for conveying corrosive materials or materials containing acid and alkali in chemical factory, chemical fertilizer plant, paper mills, etc.

Features: Superior chemical resistance, anti-corrosion, excellent flexibility, good troughability, low elongation rate, exceptional physical properties.



PRODUCT SPECIFICATION:

Technical Indexes											
Executive standard: HG/T 3782-2005											
Project			Tensile strength (MPa)	Elongation at break (%)	Wear volume (mm ³)	Hardness (AO)	Ozone aging				
Cover gum	Physical property	Before aging	≥14.0	≥400	≥250	55—70	No crack				
		After aging	≥12.0	≥340	--	60—75	--				
	Acid and alkali resistance	Category	Soaking solution	Concentration	Soaking condition	Performance change rate before aging					
						Volume expansion rate	Tensile strength change rate				
						A1	hydrochloric acid	18%	50 ℃ × 96h	+10% Following	-10% within
						A2	sulphuric acid	50%	50 ℃ × 96h	+10% Following	-10% within
A3	sodium hydroxide	48%	50 ℃ × 96h	+10% Following	-10% within						
Test conditions: Ozone concentration (50±5) × 10 (volume fraction), temperature (40±2) ℃, elongation (20±2)%, time 15h											

1.7 Cold Resistant Conveyor Belt

Top Cover: Natural rubber and BR (butadiene rubber) blend

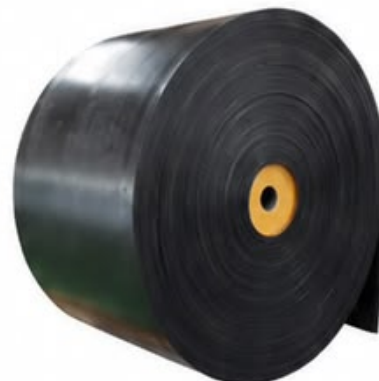
Carcass: Nylon canvas or polyester canvas

Bottom Cover: Natural rubber and BR (butadiene rubber) blend

Application: Extensively used for conveying materials in outdoor cold environment or freezing warehouses in such industries as cement, coal mines, quarries, power stations and steel mills.

Features: Superior cold resistance, good elasticity, excellent impact resistance.

Technical Data: 1. Based on the properties of the cover layer, the belt can be divided into three types: laceration resistant type (H), anti-abrasion type (D), and ordinary type (L). 2. The belt can be divided into C1 type and C2 type according to the cold resistance. Working temperature of C1 type: $-45^{\circ}\text{C} \sim +50^{\circ}\text{C}$; working temperature of C2 type: $-60^{\circ}\text{C} \sim +50^{\circ}\text{C}$



PRODUCT SPECIFICATION:

Limit Deviation of Overburden Thickness			
Executive Standard: HG/T 3647-2014			
Nominal thickness of upper and lower cover		Limit deviation	
≤4		Upper deviation: Unspecified, lower deviation: 0.2 mm	
>4		Upper deviation: Unspecified, lower deviation: 5% of basic size	
Physical Properties of Overburden			
Executive Standard: HG/T 3647-2014			
Project		Index	
Tensile strength, MPa (not less than)		H	18 15
Elongation at break, % (not less than)		450	400 350
Wear volume, mm ³		120	100 200
Aging test (70°C × 168 h) Tensile strength change rate / elongation change rate at break, %		-25 ~ +25	-25 ~ +25 -25 ~ +25
Cold resistance	Tensile strength change rate, %	C1 (-45°C)	±20
		C2 (-60°C)	±25
	Elongation change rate at break, %	C1 (-45°C)	±20
		C2 (-60°C)	±30
Notes: C1 – The ambient temperature is -45°C ~ +45°C; C2 – The ambient temperature is -50°C ~ +45°C			

1.8 Rough Top Conveyor Belt

Top Cover: Wear-resistant rubber

Carcass: Plies of synthetic polyester or nylon fabric

Bottom Cover: Wear-resistant rubber

Application: Appropriate for transportation of fragile or easily deformed materials and packaged objects, including sacks, boxes, parcels, or cartons, especially for transportation on inclined surface at an angle of 35 degrees.

Features: Provide strong grip to the goods being conveyed and cushioning effect, absorb vibration and impacts, prevent goods from falling or slipping, good tensile strength, low elongation.



PRODUCT SPECIFICATION:

Ply	Top Cover	Bottom Cover	Length	Color	Width
2	1/8" (3.2 mm)	Bareback	200 m per roll	Black	1350 mm – 1500 mm cut edge
2	1/8" (3.2 mm)	1/16" (1.6 mm)			
3	1/8" (3.2 mm)	Bareback			
3	1/8" (3.2 mm)	1/16" (1.6 mm)			

1.9 Endless Conveyor Belt

Top Cover: CR or NBR rubber

Carcass: Nylon, fabric, or cotton canvas

Bottom Cover: CR or NBR rubber

Application: Mainly used to transport industrial goods from one location to another, for material conveying in mining, quarries, metallurgy, warehousing logistics, chemical plants, agriculture, etc.

Features: Excellent resistance to abrasions and chemicals, good elasticity, excellent durability and reliability, no belt carcass joints, flat surfaces and consistent tension.



PRODUCT SPECIFICATION:

Classification	Ply	Top Cover	Bottom Cover	Length
RT1	2	1/8" (3.2 mm)	Bareback	200 m per roll
RT2	2	1/8" (3.2 mm)	1/16" (1.6 mm)	
RT3	3	1/8" (3.2 mm)	Bareback	
RT4	3	1/8" (3.2 mm)	1/16" (1.6 mm)	

Classification	Color	Width
RT1	Black	1350 mm – 1500 mm cut edge
RT2		
RT3		
RT4		

2.1 General Steel Cord Conveyor Belt

Top Cover: Tough and tear-resistant rubber

Steel Cord Layer: Embedded in rubber

Reinforcement: High-strength steel cords embedded in rubber between the top cover and the bottom cover.

Bottom Cover: Wear-resistant and tear-resistant rubber

Standards: GB/T 9770, DIN 22131, EN ISO 15236, SANS 1366, AS 1333.

Application: Suitable for long-distance, heavy-duty material conveying in various industries such as metallurgy, steel mills, power stations, mining, chemical industry, ports, cement plants, and bulk material terminals.

Features: High tensile strength, low elongation, excellent troughability and flexibility, outstanding resistance to impact and tearing, high modulus, excellent chemical and corrosion resistance, and long service life.



PRODUCT SPECIFICATION:

Rated Tensile Strength (N/mm)	Max. Steel Cord Diameter (mm)	Cord Construction	Min. Breaking Force (kN/cord)	Min. Cover Thickness (mm)	Belt Width (mm)
ST-500	3	7×7	7.6	14	500
ST-630	3	7×7	7	10	500
ST-800	3.5	7×7	8.9	10	500
ST-1000	4	7×7	12.9	12	630
ST-1250	4.5	7×7	16.1	12	800
ST-1600	5	7×7	20.6	12	1000
ST-2000	6	7×7×7×19	25.6	12	1000
ST-2500	7.2	7×7×7×19	40	15	1250
ST-3150	8.1	7×7×7×19	50.5	15	1400
ST-3500	8.6	7×7×7×19	56	15	1600
ST-4000	8.9	7×7×7×19	63.5	15	1600
ST-4500	9.7	7×7×7×19	76.3	16	1600
ST-5000	10.9	7×7×7×19	91	17	1800

2.2 Anti-tear Steel Cord Conveyor Belt

Top Cover: Tough and tear-resistant rubber

Steel Cord Layer: Steel cords embedded in rubber

Reinforcement: High-strength steel cords embedded in rubber between the top cover and the bottom cover.

Bottom Cover: Wear-resistant and tear-resistant rubber

Standards: GB/T 9770, DIN 22131, EN ISO 15236, SANS 1366, AS 1333.

Application: Suitable for conveying bulk materials with high impact and tearing risks in industries such as cement, aggregates, sand and gravel, iron ore in quarries, metallurgy, steel plants, road construction, power plants, waste incineration plants, chemical industry and ports.

Features: High tensile strength and tear resistance, excellent impact resistance, long service life, low elongation, good troughability, excellent resistance to dynamic fatigue, well-formed edges, and strong splice reliability.



PRODUCT SPECIFICATION:

Specification	Weight	Cord Pitch	Nominal Thickness	Cord Diameter	Min. Breaking Strength	Elongation at Break
	kg/m ²	mm	mm	mm	N/mm	%
KF-50	0.21	10	1.8	0.65	560	>2
KF-100	0.39	10	2.2	1.00	1050	>2
KF-125	0.63	8	2.4	1.18	1000	>5
KF-150	0.73	8	2.6	1.38	1360	>5
KF-200	0.92	6	2.6	1.38	1360	>5
KF-250	1.20	10	3.1	1.90	2530	>5
KF-300	1.32	8	3.1	1.90	2530	>5
KF-400	1.60	6	3.1	1.90	2530	>5
KF-500	2.22	5.6	3.3	2.02	2900	>5

2.3 Fire-resistant Steel Cord Conveyor Belt

2.3 Fire-resistant Steel Cord Conveyor Belt

Cover Rubber: EPDM or SBR rubber
with excellent fire resistance

Reinforcement: Multi-ply steel cord

Fire-resistant Layer: Special heat-resistant and
fire-resistant material

Application: Suitable for conveying materials in
mines, metallurgical plants, power stations,
chemical plants, and other industries where fire risk
or high operating temperatures may be present.

Features: High tear resistance, long service life,
low elongation, excellent resistance to high temperatures,
good resistance to aging and ozone, as well as chemical corrosion.



Product Specification

Item	Tensile Strength at Break (N/mm)													
	ST/S 630	ST/S 800	ST/S 1000	ST/S 1250	ST/S 1600	ST/S 2000	ST/S 2500	ST/S 2800	ST/S 3150	ST/S 3500	ST/S 4000	ST/S 4500	ST/S 5000	ST/S 5400
Maximum recommended tension (N)	630	800	1000	1250	1600	2000	2500	2800	3150	3500	4000	4500	5000	5400
Nominal dia. of steel cord (mm)	3.0	3.5	4.4	4.5	5.0	6.0	7.2	7.5	8.1	8.6	8.9	9.7	10.9	11.3
Steel cord lay (approx.)	10±1.5	10±1.5	12±1.5	12±1.5	12±1.5	12±1.5	15±1.5	15±1.5	15±1.5	15±1.5	15±1.5	16±1.5	17±1.5	17±1.5
Top cover thickness (mm)	5	5	6	6	6	8	8	8	8	8	8	8	8.5	9
Bottom cover thickness (mm)	5	5	6	6	6	8	8	8	8	8	8	8	8.5	9
Belt Width (mm)	Number of Steel Cords													
800	75	75	63	63	63	63	50	50	50	50	—	—	—	—
1000	95	95	79	79	79	79	64	64	64	64	64	59	55	55
1200	112	112	94	94	94	94	76	76	76	77	77	71	66	66
1400	133	133	111	111	111	111	89	89	89	90	90	84	78	78
1600	151	151	126	126	126	126	101	101	101	104	104	96	90	90
1800	171	171	143	143	143	143	114	114	114	117	117	109	102	102
2000	196	196	159	159	159	159	128	128	128	130	130	121	113	113
2200	216	216	176	176	176	176	141	141	141	144	144	134	125	125

Note: The above data are typical laboratory values for reference only.

Actual performance may vary depending on operating conditions and applications.

2.4 Steel Cord Elevator Conveyor Belt

2.4 Steel Cord Elevator Conveyor Belt

Top Cover: Wear-resistant rubber with excellent tear resistance

Carcass: High-strength steel cords

Bottom Cover: Rubber layer with tear resistance

Edge Reinforcement: Fabric or steel cord wrapping

Application: Widely used for vertical conveying of materials such as ores, coal, minerals and clinker in cement plants, steel mills, power plants, and chemical industries.

Features: Outstanding resistance to impact, tearing and abrasion; excellent troughability; high tensile strength; low elongation; good resistance to high temperatures, ageing, and chemical corrosion; long service life.

Types of Steel Cord Elevator Conveyor Belt

Based on the properties of the rubber cover, steel cord elevator conveyor belts are classified into general type, fire-resistant type, and tear-resistant type.

Based on the internal structure, steel cord elevator conveyor belts are classified into general construction type, cross-rigid type, and embedded coil sensor type.



Product Specification

Belt Strength / Technical Parameter	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400	ST6300
Nominal Belt Strength (N/mm)	630	800	1000	1250	1600	2000	2500	3150	3500	4000	4500	5000	5400	6300
Maximum Cover Thickness (mm)	3.0	3.5	4.0	4.5	5.0	6.0	7.5	8.1	8.6	8.9/9.1	9.7	10.9	11.3	12.3
Rope Pitch (mm)	10	10	12	12	12	12	15	15	15	15/17	16	17	17	18
Top Cover Thickness (mm)	5	5	6	6	6	8	8	8	8	8/8	8	8.5	8	10
Bottom Cover Thickness (mm)	5	5	6	6	6	8	8	8	8	8/8	8	8.5	9	10
Approx. Belt Weight (kg/m ²)	18	19.5	21.5	22.2	26.1	33.1	35.3	41.1	45	45/45	51	59	62	65
Belt Width (mm)	Number of Steel Cords													
800	75	75	63	63	63	63	50	50	50	50	-	-	-	-
1000	95	95	79	79	79	79	64	64	64	64/56	59	55	55	54
1200	113	113	94	94	94	94	76	76	77	77/68	71	66	66	63
1400	133	133	111	111	111	111	89	89	90	90/79	84	78	78	74
1600	151	151	126	126	126	126	101	101	104	104/91	96	90	90	85
1800	-	171	143	143	143	143	114	114	117	117/103	109	102	102	96
2000	-	-	159	159	159	159	128	128	130	130/114	121	113	113	107
2200	-	-	-	-	-	176	141	141	144	144/125	134	125	125	118
2400	-	-	-	-	-	193	155	155	157	157/137	146	137	137	129
2600	-	-	-	-	-	209	168	168	170	170/148	159	149	149	140
2800	-	-	-	-	-	-	-	-	184	184/160	171	161	161	151

3.1 PVC Conveyor Belt

3.1 PVC Conveyor Belt

Top Cover: PVC cover.

Carcass: Synthetic fabric, canvas or nylon.

Bottom Cover: PVC cover.

Application: Mainly used for transporting materials underground in coal mines, and also widely applied in metallurgy, chemical industry, food processing and other industries.

Features: Excellent fire resistance, anti-static performance, high tear strength, impact resistance, low elongation, high tensile strength, good flexibility, and excellent troughability.

Minimum operating temperature: -16 °C.



PRODUCT SPECIFICATION

Product Designation	Color	Operating Temperature (°C)	Weight (kg/m ²)	Tensile Strength (N/mm)
1.0 Flat	Green/White	-0.125	1.1	≥50
1.5 Flat	Green	-0.125	2.0	≥50
2.0 Flat	Green/White/Black	-0.125	2.5	≥100
3.0 Flat	Green/White/Black	-0.125	3.8	≥100
4.0 Flat	Green/White	-0.125	4.5	≥100
4.0 Flat	Green/White	-0.125	4.8	≥150
5.0 Flat	Green/White/Black	-0.125	6.1	≥200
6.0 Flat	Green	-0.125	7.0	≥200

Product Designation	Minimum Pulley Pull Force at 1% Elongation (N/mm)	Minimum Pulley Diameter (mm)	Hardness (Shore A)	Structure	Recommended Applications
1.0 Flat	≥4	20	75/65	1-ply fabric	Food, Textile, Packaging
1.5 Flat	≥5	30	75	2-ply fabric + 2 mm glue	Machinery, Textile, Packaging
2.0 Flat	≥8	40	75	2-ply fabric + 2 mm glue	Food, Textile, Packaging
3.0 Flat	≥8	60	75/65	2-ply fabric + 2 mm glue	Food, Textile, Packaging
4.0 Flat	≥8	60	75	2-ply fabric + 2 mm glue	Food, Textile, Packaging
4.0 Flat	≥12	80	75/65	3-ply fabric + 3 mm glue	Food, Textile, Packaging
5.0 Flat	≥16	120	75	3-ply fabric + 3 mm glue	Food, Textile, Packaging
6.0 Flat	≥16	150	80	4-ply fabric + 4 mm glue	Machinery, Textile, Packaging

3.2 PVC Conveyor Belt

3.2 PVC Conveyor Belt

Top Covering Layer: PVC & NBR blend

Carcass: Solid woven polyester or fabric

Bottom Covering Layer: PVC & NBR blend

Application: Specifically designed for conveying materials in underground coal mines, and also used in the chemical and metallurgical industries.

Features: Anti-static and flame-retardant, anti-impact, anti-tear, good corrosion and moisture resistance, excellent flexibility and durability, high tensile strength and good troughability, low elongation.

Recommended maximum incline angle: Less than 20°.



PRODUCT SPECIFICATION

Applicable Standard MT914-2008 BS3289 HG2805						Safety Factor 10 (Tensile Strength×1/10)
Type	Grade	Tensile Strength ≥, N/mm		Breaking Elongation ≥, %		Recommended Minimum Transmission Drum Diameter (mm)
		Longitudinal	Transverse	Longitudinal	Transverse	
680S	4	680	265	15	18	400
800S	5	800	280			500
1000S	6	1000	300			630
1250S	7	1250	350			750
1400S	8	1400	350			750
1600S	9	1600	400			750

4.1 Sidewall Conveyor Belt



4.1 Sidewall Conveyor Belt

Base Belt: The top rubber layer, the bottom rubber layer and the belt carcass

Sidewall: High-quality rubber

Cleat: Rubber and braided reinforcement layer with impact and tear resistance

Application: Mainly used to transport various bulk materials in metallurgy, electricity, coal, chemical industry, grain, port and machinery.

Features & Benefits: Superior flexibility and durability, low elongation, high tensile strength, excellent abrasion, impact, and tear resistance, prevent material falling and dropping, save installation space, low energy consumption and investment cost.

PRODUCT SPECIFICATION

Based Belt Width (B)	Sidewall Height (H)	Cleat Height (H1)	Bottom Width of Sidewall (B1)	Cleat Width (B2)	Empty Width (B3)
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	10			
650	100	90	50	350	100
	120	10	50		
	160	140	75	300	
800	120	110	50	460	120
	160	140	75	410	
	200	180			
1000	160	140	75	550	150
	200	180			
	240	220			
1200	160	140	75	690	180
	200	180	75		
	240	220		100	
300	260				
1400	200	180	75	830	210
	240	220			
	300	260	100	780	
	400	360			

Cleat Type	Cleat Height (mm)	Bottom Width (mm)	Weight (kg/m)	Min. Drum Diameter (mm)	Production Length (m)
t	20	40	0.28	75	3/5
	25	40	0.30	75	3/5
	35	55	0.55	100	3/5
	40	70	0.60	125	3/5
	55	80	1.45	125	3/5
	75	80	1.80	150	3/5
	90	110	2.50	250	3/5
	110	110	2.80	315	3/5
	140	160	6.60	400	2.5
	180	160	8.30	500	2.5
	230	175	10.46	630	2.5
ts	110	160	7.90	315	3
	140	160	9.25	400	3
	180	160	11.50	500	3
	230	160	13.50	630	3
	250	160	14.60	630	3
	280	160	17.65	800	3
	360	160	19.25	1000	3
tc	75	80	1.80	150	3/5
	90	110	2.50	250	3/5
	110	110	2.80	315	3/5
	140	160	6.60	400	2.5
	180	160	8.30	500	2.5
	230	175	10.46	630	2.5
tcs	110	160	7.90	315	3
	140	160	9.25	400	3
	180	160	11.50	500	3
	230	160	13.50	630	3
	250	160	14.60	630	3
	280	160	17.65	800	3
	360	160	19.25	1000	3

CHEVRON CONVEYOR BELT

4.2 Chevron Conveyor Belt

Top Cover: Highly abrasion-resistant rubber

Carcass: Nylon or polyester fabric

Bottom Cover: Highly abrasion-resistant rubber

Belt Width: 300 – 1800 mm

Number of Layers: 3 – 10 layers

Cleat Height: 5, 10, 15, 20, 25, 30 mm

Cleat Spacing: 125, 200, 250, 330, 400, 500 mm

Application: Suitable for conveying powders, granules, small lump materials, and packaged materials in ports, power plants, concrete mixer plants, agriculture, building construction, and mining facilities.

Features & Benefits: High tensile strength, good impact and tear resistance, greater material stability on inclines, highly durable, prevents material slippage, and enhances conveying capacity.



PRODUCT SPECIFICATION

Chevron Type	Pattern	C.H (mm)	C.W (mm)	C.P (mm)	Belt Width	
					mm	inch
C6	C6-P230	6	230	75	300–400	12" – 16"
	C6	6	300–1200	100	300–1200	12" – 48" (1215)
V6	V6	6	600–1800	75	600–1800	24" – 72"
C12	C12-V800	12	800	150	800–1200	32" – 48" (1206)
C15	C15-V330	15	330	250	400–600	16" – 24"
	C15-P385	15	385	250	500–800	20" – 32" (800)
	C15-V450	15	450	300	600–600	24" – 32" (800)
	C15-P500	15	500	340	550–750	22" – 30" (750)
	C15-P600	15	600	250	750–1000	30" – 40"
	C15-P750	15	750	250	900–1200	36" – 48" (1215)
C25	C25-P450	25	450	335	600–750	24" – 30" (750)
	C25-P550	25	550	250	600–800	24" – 32"
	C25-P750	25	750	330	900–1200	36" – 48" (1215)
Y32	Y32-P450	32	450	255	500–800	20" – 32" (800)
	Y32-P600	32	600	300	800–1000	32" – 36"
	Y32-P800	32	800	333	1050–1200	36" – 48"

STEEP ANGLE SIDEWALL CONVEYOR BELT

4.3 Steep Angle Sidewall Conveyor Belt

The belt consists of a base belt, sidewalls, and cleats. The transverse steel wire works as the reinforcement for the top and bottom covers of the base belt. The sidewalls are made in a corrugated shape to prevent material spillage or falling during conveying. The cleats are designed to support the materials. The sidewalls and cleats are bonded to the base belt through secondary vulcanization, which provides high bending strength.



Application: Specifically designed for conveying materials such as powdery, granular, pasty, and liquid materials at steep inclines or even vertical elevations. Widely used in ports, metallurgy, mining, power plants, chemical industry, agriculture, building materials, casting industry, and other industries.

Features & Benefits: High bonding strength, excellent load-bearing capacity, exceptional flexibility, higher lifting height, energy-efficient, longer service life, increases conveying angle, and prevents material spillage.

Product Specification:

Base Belt Width B (mm)	Sidewall Height H (mm)	Cleat Height H1 (mm)	Sidewall Bottom Width B1 (mm)	Effective Belt Width B2 (mm)	Free Zone Width B3 (mm)	Cleat Shape
300	40	35	25	180	35	TC
	60	55	50	120	40	
	80	75				
400	60	55	50	180	60	TC
	80	75				
	100	90				
500	80	75	50	250	75	TC
	100	90				
	120	110				
650	100	90	50	350	100	TC
	120	110	75	300		
	160	140				
800	120	110	50	460	120	TC
	160	140	75	410		
	200	180				
1000	160	140	75	550	150	TC
	200	180				
	240	220				
1200	160	140	75	690	180	Tc
	200	180				
	240	220				
	300	260	100	640		
1400	200	180	75	830	210	TC



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