

RENTONE
CONVEYOR BELT



Qingdao Rentone Belt Co., Ltd.

青岛瑞通橡胶有限公司



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Company Introduction 企业简介

Qingdao Rentone Belt Co., Ltd. is a renowned conveyor belt supplier engaged in the research, development and production of conveyor belts in China.

Relying on the independent competence to design and manufacture conveyor belts, our company, one of the professional rubber conveyor belt manufacturers, has provided numerous conveyor belts for industries such as metallurgy, electricity, ports, coal and building materials and received customers' recognition of products.

By adopting advanced manufacturing equipment, our company has produced various types of conveyor belts. Our products include fabric conveyor belts, steel cord conveyor belts, solid woven conveyor belts and special conveyor belts. They are characterized by excellent abrasion resistance, high strength, long service life, low elongation rate and corrosion resistance.

Our factory possesses large-scale production capacity to meet the demand of large-volume orders. Meanwhile, with advanced production processes and automation technology, our production is more effective. Our company can provide customers with "customized production" services. Through targeted design or improvement of products for customers, our conveyor belts possess stronger adaptability and longer service life, thus reducing customer procurement costs and operating costs. At the same time, we are able to flexibly adjust our production according to customer needs, including modification of product specifications, dimensions and materials. Our strong team of engineers with rich experience can cooperate with customers to design conveyor belts and manufacture premium conveyor belts.



Company Culture 企业文化

Mission & Vision

Our mission is to offer superior conveyor belt solutions and provide customers with high-performance and reliable rubber conveyor belts. Through optimizing customers' delivery systems, Rentone Belt can create significant economic value for them. We will strive to maximize economic, social and ecological benefits, thus becoming the best long-term partner for customers.

Work Culture

Rentone Belt values diversity, inclusion, integrity, innovation, teamwork, excellent quality and safety. Upholding these values contributes to guiding staff behaviors and decision-making and realizing the long-term goals of our company.

Awards And Recognition

The most noteworthy is that our reward systems are fair and transparent. Based on the performance of staff, our company gives rewards correspondingly to thank them for their contributions on a regular basis.



MISSION



VISION



VALUES

Equipment 设备

Advanced production equipment is an essential guarantee for producing high-quality products. Our production facilities contain a GK-270 internal mixer, 430L internal mixer, GK250E internal mixer, XYD-4S*1800 calendering machine, XYD-4S2500 four-roller calendering machine, XY-31 1730 calendering machine and drum-typed vulcanizing machine. Product testing is a vital step to ensure product quality. Our testing facilities mainly include a wear tester, aging tester, ozone resistance tester, tensile strength tester, roller friction tester and run-out tester of conveyor roller.



Certificates 资质证书

Through years of development, our company has obtained many certificates. Specifically speaking, they contain the ISO9001 Quality Management Systems Certificate, ISO14001 Environmental Management Systems Certificate and CE Certification. These certifications demonstrate our commitment to quality excellence and sustainability, providing confidence and assurance to our customers. Meanwhile, through continuous research and innovation, our company has also gained many patent certificates.



Quality Assurance And Control 质量保证

Rentone Belt attaches great importance to quality control and provides professional staff at every step of the quality check. From raw material purchases, all suppliers must pass inspections of quality control. All records are kept in a management system of files. Every bag of our raw materials is tested according to international standards. Only when test data meet relevant standards can raw materials be stored.

In the process of production, we carefully implement control management. Every step in production adopts strict processing crafts. Self-testing and mutual testing can be carried out in mixing, calendering, forming and vulcanizing, thus ensuring all conveyor belts comply with ISO9001 standards. Meanwhile, our company adopts advanced vulcanizing production lines, mixing production lines and four-wheel calendering lines to ensure the stable quality of products.

In terms of quality inspection, our company is equipped with wear testers, aging testers, ozone resistance testers, tensile strength testers, roller friction testers and run-out testers for conveyor rollers. Before leaving the factory, our conveyor belts are tested for tensile strength, wear resistance and adhesion. The testing results are kept in records, thus making sure of the traceability of products. Only qualified products can leave our factory..

Usage Method And Maintenance Instruction

使用方法和维修说明

1. Direct sunlight and dampening should be avoided when the conveyor belt is in transit or in storage. Prevent the contact with substances such as acid, alkaline, oil, organic solvent and so on, and rubber belt should be placed over one meter away from a heat source.
2. The warehouse temperature should be ranging from -18°C to 40°C , and the relative humidity should maintain between 50% to 80%.
3. The products should be placed in rolls and should not be folded. They should be turned over once a quarter during storage.
4. Conveyor belts of different type, specs and layers should not be spliced together. For splicing, the best way is through the vulcanizing process.
5. The operation speed of conveyor belts should generally be lower than 2.5 meter per second. Materials of big lump and high abrasion and the fixed-type unloading devices should use low speed.
6. The matching of drive drum diameter, the number of belt layers, the collocation of the drive drum with turnabout drum, and the requirement on the well angle of carrying roller should be determined in accordance with the conveyor design and should be selected reasonably.

聚酯输送带

1.1 EP Conveyor Belt



Top Cover Layer: High abrasion resistance rubber

Carcass: Plies of polyester in warp and nylon fabric in weft and skimmed layer

Bottom Cover Layer: High abrasion resistance rubber

Tensile Strength: 500 ~ 3200N/mm

Belt Width: 500 ~ 3200mm

Applicaition: Suitable for medium, long-distance, and heavy-load delivery of materials in metallurgy, steel plant, building material, construction, chemical, machinery equipment, port, etc.

Features: Lower elongation in the warp and good troughability in the weft, excellent resistance to moisture, wet, and mildew, strong adhesion between the carcass layers and the rubber cover, high tensile strength, exceptional elasticity.

Product Specification:

EP Conveyor Belt Specification									
Fabric Type	Fabric Specification	Fabric Layer Thickness (mm)	Fabric Strength (N/mm)			Covering Layer Thickness (mm)		Width (mm)	Length (m)
			2 Layer	3 Layer	4 Layer	Top Layer	Bottom Layer		
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					
Carcass	Interlayer N/mm	Adhesion		Elongation at break	
		N/mm between rubber and carcass		Longitudinal elongation at break	Longitudinal reference elongation
		Rubber thickness ≤ 1.5mm	Rubber thickness >1.5mm		
EP/Polyester Canvas	≥4.50	≥3.2	≥3.5	≥10%	≤4%

Cover Performance of EP Conveyor Belt					
Cover Level	Tensile strength		Elongation at break	Abrasion	Change rate of tensile strength and elongation at break after aging
	≥		≥	≤	%
	Mpa	Kgf/cm ²	%	mm ²	%
Heavy	24	240	450	120	-25 ~ +25
Medium	18	180	400	100	-25 ~ +25
Light	15	150	350	200	-30 ~ +30

尼龙输送带



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 ~ 3200N/mm

Belt Width: 500 ~ 3200mm

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
	≥		≥	≤	
	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

耐高温输送带

1.3 Heat Resistant Conveyor Belt

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

Carcass: Plies of cotton canvas or polyester canvas

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

Standard: GB/T20021-2005

Tensile Strength: 500 ~ 3200N/mm

Belt Width: 500 ~ 3200mm



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, coking, 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°
		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 rage 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		

阻燃输送带

1.4 Fire Resistant Conveyor Belt



Top Covering Layer: Flame-retardant rubber

Carcass: Nylon or polyester canvas

Bottom Covering Layer: 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 mine.

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.

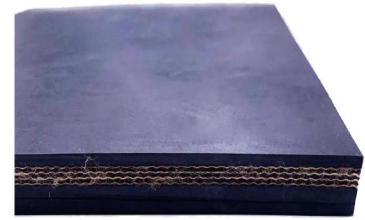
Product Specification:

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.	

耐油输送带

1.5 Oil Resistant Conveyor Belt



Top Covering Layer: Oil-resistant NBR rubber

Reinforcement: Nylon canvas or polyester canvas

Bottom Covering Layer: 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
Oil Resistance	Mpa	% Minimum	mm ³		°C	
OR	15	300%	150	NBR Blend	-30-+60	For materials like grains, refuse, woodchips, fertilizers coated with oil, coated coal/coke, etc.
MOR	12	300%	300	NBR Blend	-30-+50	For materials with moderate amount of oil like grain, refuse, recycling waste, wood pulp, pinewood, etc.

耐酸碱输送带

1.6 Acid-alkali Resistant Conveyor Belt



Top Covering Layer: Chemical resistant rubber materials

Carcass: Nylon canvas, cotton canvas, or polyester canvas

Bottom Covering Layer: 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 3782-20							
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	
						Volume expansion rate	Tensile strength change rate
		A1	hydrochloric acid	18%	50 °C ×96h	+10% Following	-10% within
		A2	sulphuric acid	50%	50 °C ×96h	+10% Following	-10% within
A3	sodium hydroxide	48%	50 °C ×96h	+10% Following	-10% within		
Test conditions: Ozone concentration (50±5)*10(volume fraction), temperature (40±2) °C, elongation (20±2)%, time 15h							

耐寒输送带



1.7 Cold Resistant Conveyor Belt

Top Covering Layer: Natural rubber and BR (butadiene rubber) blend

Carcass: Nylon canvas or polyester canvas

Bottom Covering Layer: 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.

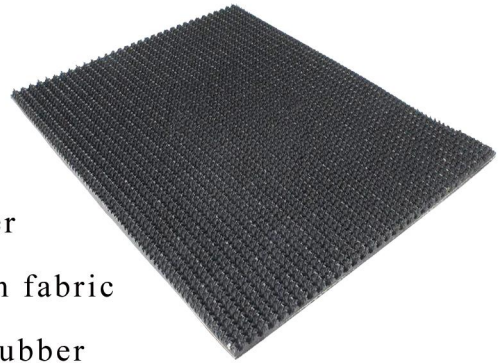
Technical Data: 1. Based on the properties of the cover layer, the belt can be divide into three types: laceration resistant type (H), anti-abrasion type (D), and ordinary type (L). 2. The belt can be divided into C1 type and C2 type according to the cold resistance. Working temperature of C1 type: $-45^{\circ}\text{C}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

Product Specification:

Limit deviation of overburden thickness			
Executive Standard: HG/T3647-2014			
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/T3647-2014			
Project	Index		
	H	D	L
Tensile strength Mpa (Not less than)	24	18	15
Elongation at break/% (Not less than)	450	400	350
Wear volume/mm ³	120	100	200
Aging test (70°C × 168h) 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(-50°C)	±25
	Change rate of elongation at break/%	C1(-45°C)	±20
		C2(-50°C)	±30
Notes: C1-The ambient temperature is: $-45^{\circ}\text{C} \sim +45^{\circ}\text{C}$; C2-The ambient temperature is $-50^{\circ}\text{C} \sim +45^{\circ}\text{C}$			

粗糙顶部输送带

1.8 Rough Top Conveyor Belt



Top Covering Layer: Wear-resistant rubber

Carcass: Plies of synthetic polyester or nylon fabric

Bottom Covering Layer: 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" (3.2mm)	Bareback	200m per roll	Black	1350mm-1500mm cut edge
2	1/8" (3.2mm)	1/16"(1.6 mm)			
3	1/8" (3.2mm)	Bareback			
3	1/8" (3.2mm)	1/16"(1.6 mm)			

环形输送带

1.9 Endless Conveyor Belt



Top Covering Layer: CR or NBR rubber

Carcass: Nylon, fabric, or cotton canvas

Bottom Covering Layer: 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" (3.2mm)	Bareback	200m per roll
RT2	2	1/8" (3.2mm)	1/16"(1.6 mm)	
RT3	3	1/8" (3.2mm)	Bareback	
RT4	3	1/8" (3.2mm)	1/16"(1.6 mm)	

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

通用钢丝绳芯输送带



2.1 General Steel Cord Conveyor Belt

Top Covering Layer: Tough and tear-resistant rubber

The Steel Wire Rope Layer: Embedded among rubber

Reinforcement: Tear-resistant steel cord fabric between rubber and steel wire rope

Bottom Covering Layer: Tough and tear-resistant rubber

Technical Standard: GB/T9770, DIN 22131, EN ISO 15236, SANS 1366, and AS 1333.

Application: Appropriate for transporting materials with long distances and heavy loads in a variety of industries, such as metallurgy, steel plants, power station, recycling, chemical industry, ports, etc.

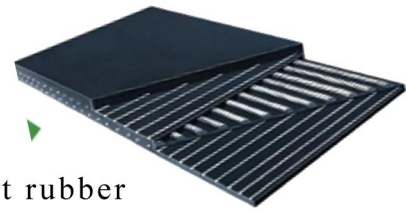
Features: High tensile strength, low elongation, good troughability and bending resistance, excellent impact and tear resistance, high wearability, good chemical and corrosion resistance, long service life.

Product Specification:

NormalBelt Strength (N/mm)	Max.Steel Cord Dia. (mm)	Cord Construction	Min.Cord Breaking Strength (kN/cord)	Cord Pitch (mm)	Min.Pulley Diameter (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

抗撕裂钢丝绳芯输送带

2.2 Anti-tear Steel Cord Conveyor Belt



Top Covering Layer: Tough and tear-resistant rubber

The Steel Wire Rope Layer: Embedded among rubber

Reinforcement: Tear-resistant steel cord fabric between rubber and steel wire rope

Bottom Covering Layer: Tough and tear-resistant rubber

Technical Standard: GB/T9770, DIN 22131, EN ISO 15236, SANS 1366, and AS 1333.

Application: Appropriate for conveying cement, gravel, sand, and iron ore in quarries, metallurgy, steel plant, road construction, heating and power station, garbage incineration plants, chemical industry, ports, etc.

Features: High tensile strength, anti-impact, long service life, small elongation rate, good groove formation, excellent flexure resistance, strong adhesion.

Product Specification:

Specification	Weight	Pitch of Weft	Thickness	Diameter	Breaking Strength	Elongation at Break
Kg/m ²	mm	mm	mm	N	%	
KF-50	0.21	10	1.8	0.65	560	>2
KF-100	0.39	10	2.2	1	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	1.2	10	3.1	1.9	2530	>5
KF-300	1.32	8	3.1	1.9	2530	>5
KF-400	1.6	6	3.1	1.9	2530	>5
KF-500	2.22	5.6	3.3	2.02	2900	>5

阻燃钢丝绳芯输送带

2.3 Fire-resistant Steel Cord Conveyor Belt

The Covering Layer: EPDM or SBR rubber with good flame retardancy

The Reinforcement Layer: Multi-layer steel wire rope

The Fire-resistant Layer: Special material with high-temperature and fire resistance

Application: Can be used for conveying materials in mine, ports, coal, metallurgy, power plant, and chemical industry.

Features: High tensile strength, long service life, small elongation, good bending resistance, excellent high temperature resistance, good resistance to wear and chemical corrosion



Product Specification:

Item	Belt Tensile Strength													
	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
Longitudinal Tensile Strength	630	800	1000	1250	1600	2000	2500	2800	3150	3500	4000	4500	5000	5400
Max.Nominal Diameter of Steel Cord	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 Pitch	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	5	5	6	6	6	8	8	8	8	8	8	8	8.5	9
Bottom Cover Thickness	5	5	6	6	6	8	8	8	8	8	8	8	8.5	9
Width	Number of Steel Cord													
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

钢丝绳芯提升机输送带

2.4 Steel Cord Elevator Conveyor Belt

Upper Covering Layer: Tear-resistant rubber

Carcass: High tensile steel cords

Lower Covering Layer: Tear-resistant rubber

Edge Reinforcement Layer: Fabric or steel cables

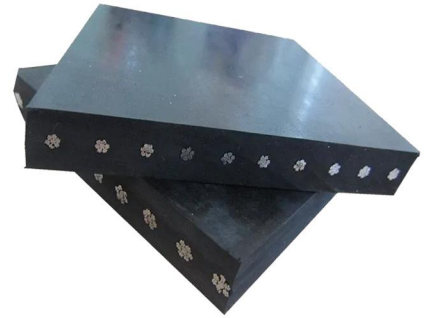
Application: Commonly used for conveying materials in vertical elevation such as ore, coal, minerals, and clinkers in cement plants, steel plants, metallurgy, electricity, and chemical industry.

Features: Superior impact and abrasion resistance, good troughability, high tensile strength, low elongation, excellent durability and flexibility, long service life

Types of Steel Cord Elevator Conveyor Belt

In terms of cover rubber properties, the steel cord elevator conveyor belt is divided into general type, flame-retardant type, and tear-resistant type.

In terms of inner structure, the steel cord elevator conveyor belt is classified into general structure type, transverse reinforcement type, and built-in sensor coil type.



Product Specification:

Belt Strength / Technical Required Items	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400	ST6300
Longitudinal Tensile Strength N/mm	630	800	1000	1250	1600	2000	2500	3150	3500	4000	4500	5000	5400	6300
Max Dia.of Cord (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
Pitch of Cord (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	9	10
Bottom Cover Thickness (mm)	5	5	6	6	6	8	8	8	8	8/8	8	8.5	9	10
* Reference Belt Mass 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
Width (mm)	Ends of Steel Cord													
800	75	75	63	63	63	63	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

PVC整芯阻燃输送带

3.1 PVC Conveyor Belt



Top Covering Layer: PVC coating cover

Carcass: Synthetic fabric, canvas, or nylon

Bottom Covering Layer: PVC coating cover

Application: Mainly used for conveying materials in underground coalmines, and also apply to metallurgy, chemical industry, food processing, etc.

Features: Exceptional fire resistance, anti-static, anti-tear, anti-impact, small elongation, high tensile strength, good flexibility, excellent groove formation.

The slope is less than 16 degree.

Product Specification:

Product Name	Color	Working Temperature	Weight (KG/m ²)	Tensile Strength
1.0Flat	Green/White	-0.125	1.1	≥50
1.5Flat	Green	-0.125	2	≥50
2.0Flat	Green/White/Black	-0.125	2.5	≥100
3.0 Flat	Green/White/Black	-0.125	3.8	≥100
4.0Flat	Green/White	-0.125	4.5	≥100
4.0Flat	Green/White	-0.125	4.8	≥150
5.0Flat	Green/White/Black	-0.125	6.1	≥200
6.0Flat	Green	-0.125	7	≥200

Product Name	Pulling Force Required to Extend 1%	Smallest Roller Diameter (mm)	Hardness	Structure	Applicable Equipment
1.0Flat	≥4	20	75/65	1cloth&1glue	Food, Textile, Packaging
1.5Flat	≥5	30	75	2cloth&2glue	Machinery, Textile, Packaging
2.0Flat	≥8	40	75	2cloth&2glue	Food, Textile, Packaging
3.0 Flat	≥8	60	75/65	2cloth&2glue	Food, Textile, Packaging
4.0Flat	≥8	60	75	2cloth&2glue	Food, Textile, Packaging
4.0Flat	≥12	80	75/65	3cloth&3glue	Food, Textile, Packaging
5.0Flat	≥16	120	75	3cloth&3glue	Food, Textile, Packaging
6.0Flat	≥16	150	80	4cloth&4glue	Machinery, Textile, Packaging

PVG整芯阻燃输送带

3.2 PVG 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

The slope is less than 20 degree.

Product Specification:

Applicable Standard MT914-2008 BS3289 HG2805					Safety Factor 10 (Tensile Strength*1/10)	
Type	Grade	Tensile Strength \geq , N/mm		Breaking Elongation \geq ,%		Recommended Minimum Transmission Drum Diameter
		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

挡边输送带



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(HI)	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			
	160	140			
800	120	110	75	460	120
	160	140			
	200	180			
1000	160	140	75	550	150
	200	180			
	240	220			
1200	160	140	75	690	180
	200	180			
	240	220			
	300	260			
1400	200	180	75	830	210
	240	220			
	300	260			
	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	0.3	75	3/5
	35	55	0.55	100	3/5
	40	70	0.6	125	3/5
	55	80	1.45	125	3/5
	75	80	1.8	150	3/5
	90	110	2.5	250	3/5
	110	110	2.8	315	3/5
	140	160	6.6	400	2.5
	180	160	8.3	500	2.5
ts	230	175	10.46	630	2.5
	110	160	7.9	315	3
	140	160	9.25	400	3
	180	160	11.5	500	3
	230	160	13.5	630	3
	250	160	14.6	630	3
	280	160	17.65	800	3
tc	360	160	19.25	1000	3
	75	80	1.8	150	3/5
	90	110	2.5	250	3/5
	110	110	2.8	315	3/5
	140	160	6.6	400	2.5
	180	160	8.3	500	2.5
tcs	230	175	10.46	630	2.5
	110	160	7.9	315	3
	140	160	9.25	400	3
	180	160	11.5	500	3
	230	160	13.5	630	3
	250	160	14.6	630	3
	280	160	17.65	800	3
	360	160	19.25	1000	3

花纹输送带

4.2 Chevron Conveyor Belt

Top Covering Layer: Highly abrasion-resistant rubber

Carcass: Nylon or polyester fabric

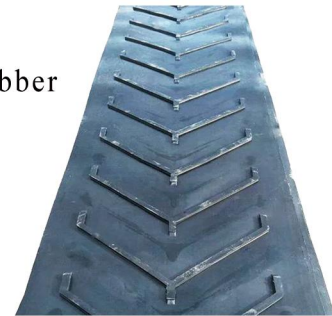
Bottom Covering Layer: Highly abrasion-resistant rubber

Belt width: 300-1800mm

Number of layers: 3-10 layers

Pattern height: 5, 10, 15, 20, 25, 30mm

Pattern distance: 125, 200, 250, 330, 400, 500mm



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 for inclined angles, highly durable, prevent material slippage and enhance transportation 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"

陡角挡边输送带



4.3 Steep Angle Sidewall Conveyor Belt

The belt consists of 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, in order to prevent the spillage or falling of materials being conveyed. The cleats are designed to support the materials. The sidewalls and cleats are bonded to the base belt by secondary vulcanizing process, which provides a high bending strength.

Application: Specially designed for conveying materials such as powdery, granular, pasty and liquid materials at steep inclines or even vertical elevations. Common applications and industries include ports, metallurgy, mining, power plants, chemical, agriculture, building materials, casting industry, etc.

Features & Benefits: High bonding strength, excellent loading capacity, exceptional flexibility, higher lifting height, energy-efficient, longer working life, increase the transportation angle, prevent the spillage of materials.

Product Specification:

Base Belt Width B	Sidewall Height H	Cleat Height H1	Sidewall Bottom Width B1	Effective Belt Width B2	Free Zone Width B3	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				
	160	140	75	300		
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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