

High performance conveyor belts



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Zhejiang powerbelt co.,ltd



Company Profile

ZHEJIANG POWERBELT CO. LTD. was established in 1994 by Mr. RenPing Bao, which locates in No.29 Yongxing Road, Tiantai City, Zhejiang Province, China. Now it's one of the leading manufacturers specializing in producing all kinds of high quality rubber belts, including multi-ply conveyor belts, steel cord conveyor belts, chevron conveyor belts, sidewall conveyor belts and so on, we using both our own designs as well as OEM production. After 20 years rapid development, the company now has two factories with a total area of 100,000m², total assets more than \$40,000,000 and staff exceeds 500. Our belts have been selling to more than 50 countries and enjoying a high reputation. We gradually grow into the leading supplier of rubber conveyor belts in China and we expect cooperation with customers for a bright future.



 1994

Company Establish

 100000m²

Occupied Area

 60million dollars

Annual Capacity

 60%

Overseas Sales Volume

 550

Number Of Employees

 40million dollars

Total assets



Conveyor belts production line



Production lines: 12 lines with double layer

Press vulcanizing length: 12.8 Meter

Press vulcanizing max width: 2500 mm

Chevron Max width: 1600 mm

Daily output: 80000 m²

Large rubber mixing center: 2 sets 270L

Corporate Vision: Create the world's leading transmission enterprises, achieve BAOPOWER hundred-year brand.

Enterprise Spirit: Pragmatic, Rigorous, Innovation, Excellence.

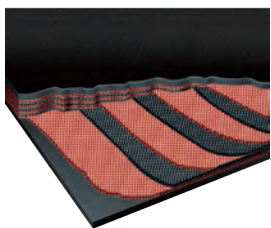
Management Aim: Harmony & Win-Win Cooperation.

Enterprise Mission: We are committed to continuous innovation in transmission technology and contribute to world manufacturing and social development.

Slogon Of Enterprise: Green specialist for driving.



Multi-ply textile conveyor belts



Baopower multi-ply textile conveyor belt is an all synthetic multiply construction available in a very wide range of strengths and number of plies. High performance industrial polyester and polyamide yarns are woven together, then given a special treatment to ensure exceptional long lasting ability to bond to the interply rubber. The interply rubber is formulated to provide not only high adhesion to prevent separation even in the most arduous applications but also to impart exceptional impact absorbing properties. Polyester warp yarns and polyamide weft in the traditional EP fabrics result in low elongation, exceptional fatigue and impact resistance and the ability of the belts to be joined by either vulcanised splice or mechanical fasteners. Breaking away from tradition, many of the belts fabrics are also available in high performance, economic all polyester (EE) construction. BAOPOWER can be offered with a wide range of rubber covers to suit a diverse range of applications from extreme abrasion, cutting and gouging to light duty conveying of non abrasive materials.

Item	Structure		Item	Carcass (mm)	Tensile strength(N/mm)					Top cover (mm)	Bottom cover (mm)	Wide range (mm)
	Wrap	Weft			2ply	3ply	4ply	5ply	6ply			
EP/NN	Polyester/ Nylon	Nylon	EP100	1	200	300	400	500	600	1.5-20	1.5-10	100-2500
			EP125	1	250	375	500	625	750			
			EP150	1.1	300	450	600	750	900			
			EP200	1.2	400	600	800	1000	1200			
			EP250	1.4	500	750	1000	1250	1500			
			EP300	1.6	600	900	1200	1500	1800			
			EP350	1.7	700	1050	1400	1750	2100			
			EP400	1.9	800	1200	1600	2000	2400			
			EP500	2.1	1000	1500	2000	2500	3000			
EP630	2.6	1200	1800	2400	3150	3600						

Item	Structure		Carcass (mm)	Tensile strength(N/mm)					Top cover (mm)	Bottom cover (mm)	Wide range (mm)
	Wrap	Weft		2ply	3ply	4ply	5ply	6ply			
CC56	Cotton	Cotton	1.1	112	168	224	280	336	1.5-20	1.5-10	100-1600
TC70	Polyester	Cotton	1	140	210	280	350	420	1.5-20	1.5-10	100-1600

Steel cord conveyor belts



BAOPOWER steel cord conveyor belt is a steel cord reinforced conveyor belt incorporating the most current technology, many components have taken years of refinement to attain this technological precision. Every belt is guaranteed to provide maximum performance and maximum life. BAOPOWER steel cord conveyor belts with galvanized steel cord strength carrying members embedded in a matrix of high performance rubber meets all demands for high strength, low elongation conveyor belting. The bonder rubber in the core is formulated to penetrate deep into the cords providing high cohesive and adhesive bond for long lasting protection and extreme joint efficiency. BAOPOWER steel cord conveyor belts can be offered with a wide range of rubber covers to suit a diverse range of applications from extreme abrasion, cutting and gouging to less arduous conveying of non abrasive materials.

Item	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000
Tensile strength (N/mm)	630	800	1000	1250	1600	2000	2500	3150	3500	4000	4500	5000
Cord diameter(mm)	3	3.5	4	4.5	5	6	7.2	8.1	8.6	8.9	9.7	10.9
Cord pitch(mm)	10	10	12	12	12	12	15	15	15	15	16	17
Min.breaking force (KN)	7	8.9	12.9	16.1	20.6	25.6	40	50.5	56	63.5	76.3	91
Top cover thickness(mm)	5	5	6	6	6	8	8	8	8	8	8	8.5
Bottom cover thickness(mm)	5	5	6	6	6	8	8	8	8	8	8	8.5
Minimum pulley diameter	500	500	630	800	1000	1000	1250	1400	1600	1600	1600	1800
Weight (kg/m ²)	19	20.5	23.1	24.7	27	34	36.8	42	46	49	53	58

Note: Cover thickness, cord diameter, and cord pitch can be manufactured

Optional cover type: Flame-retardant, Heat resistant, Oil resistant, Cold resistant, Chemical resistant



RUBBER TYPE

NR: Natural Rubber

SBR: Styrene-Butadiene Rubber

NBR: Nitrile Rubber

EPM: Ethylene-Propylene Rubber

CR: Chloroprene Rubber

CSM: Chlorosulfonated Polyethylene

Cover Quality	DIN quality	EN/ISO quality	Permissible temp. °C1 min.			Base polymer	Technical Features
			Min. Ambient	Cont. Material	Peak Material		
Abrasion			-30	80	100	SBR	Abrasion resistant for normal service conditions.
	Y		-30	80	100	SBR	Abrasion resistant for more severe service conditions.
	X		-40	80	90	NR	Excellent resistance to cuts, impact, abrasion and gouging resulting from large and heavy lump sizes.
	W	D	-30	80	90	NR/SBR	Impact and extra wear resistance for conveying highly abrasive materials of mixed lump sizes.
Heat resistant	T	T1	-20	160	180	SBR	Heat and wear resistant for high temperature materials.
	T	T3	-20	200	400	EPM	Superior heat resistant for heavy duty service conditions, up to 400 °C for short time intervals.
Oil resistant	G		-20	80	90	SBR/NBR	Oil and fat resistant for most products with animal and vegetable oils and fats.
	G		-20	80	120	NBR	Oil and fat resistant for products containing mineral oils.
Fire resistant	K/S	2A/2B	-20	80	90	SBR	Highly fire resistant according to EN 12882 and EN ISO 340.
	VT	4A/5A	-15	80	90	CR/SBR	Highly fire resistant according to EN 12882 and EN ISO 340.
	V	A/B2/C2	-15	80	90	CR	Highly fire resistant according to EN 14973 and EN ISO 340.
Fire resistant & Oil resistant	K/S	2A/2B	-20	80	90	SBR/NBR	Combines features of ROM and fire resistant according to EN 12882 and EN ISO 340.
	K/S	2A/2B	-20	80	90	NBR	Combines features of ROS and fire resistant according to EN 12882 and EN ISO 340.
Fire resistant, Heat & Oil resistant	T/G K/S	T1/2A/2B	-20	150	170	CSM	Combines features of Betahete, ROS and fire resistant according to EN 12882 and EN ISO 340.

K = fire retardant with covers, S = fire retardant with and without covers.

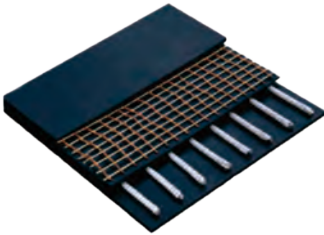
Anti-tear Fabric Conveyor Belts



BAOPOWER anti-tear fabric conveyor belts suitable for transportation of hard and sharp materials in larger drop height occasions, used in lines of mines, ports, electricity, metallurgy, chemical industry, coal mines, etc.

The anti-tear conveyor belts has highly extensible transverse polyester or nylon canvas evenly arranged in the top cover (or both top and bottom cover) of the steel cord carcass. The anti-tear layer is perpendicular to the running direction of belts. When the belts conveys hard and sharp materials, the anti-tear layer can stop it from being pierced. Even if the belt is pierced, the anti-tear layer can still prevent it from being torn.

Anti-tear Steel Cord Conveyor Belts



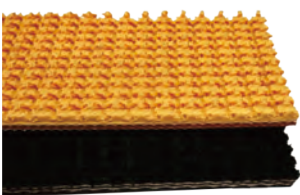
BAOPOWER anti-tear steel cord conveyor belts prevention of longitudinal tear caused by foreign matter or large objects with sharp edges.

Straight Warp Conveyor Belts



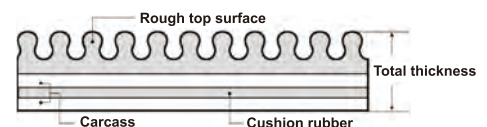
BAOPOWER straight warp conveyor belts are suitable for conveying materials in larger drop height, high load and high speed occasions, which are widely used in mines, ports, electricity, etc.

Rough top conveyor belts



BAOPOWER rough top conveyor belt's uneven cover rubber surface prevents slippage while preventing vibration of, or absorbing and reducing impact to transport materials by providing a cushion effect. This belt is ideal for transporting plywood or packed items.

Edge	No. of ply	Top cover	Bottom cover
C/E	2	1/8" (3.2 mm)	1/16" (1.6 mm)
C/E	2	1/8" (3.2 mm)	Bare back
C/E	3	1/8" (3.2 mm)	1/16" (1.6 mm)
C/E	3	1/8" (3.2 mm)	Bare back



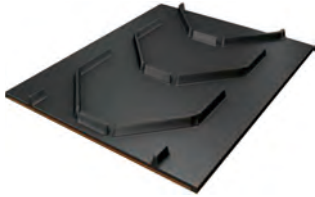
Elevator conveyor belts



BAOPOWER elevator conveyor belt is made of anti-tearing EP canvas or steel cord as center material with anti-tearing rubber cover, good application capability, running steadily, low maintenance. Bucket elevator conveyor belts have bolt holes to fix buckets along the entire belts length, making them apt to be torn easily and receiving pulled force with the buckets'weight. They also have a withdrawal force different from that of the ordinary belts in bending in connection with pulleys. Therefore, their carcasses mainly use polyester fabric that can address such problems. Steel cord is used when a highly powerful belt is required.

Type	Ply	Cover Thickness (mm)
EP100/EP125/ EP150/EP200	2--8	0.8+0.8

Chevron conveyor belts

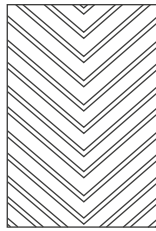


For gradient angles of more than 18°, bulk material cannot be transported using ordinary textile conveyor belts. Chevron conveyor belts are used instead. As there are many different application areas, flow rates and operational specifications BAOPOWER chevron belts provides an abundant portfolio of open and closed profile types. For individual client requests regarding the height or type of profile, tailor-made solutions can be realized. BAOPOWER chevron belts also provides chevron belts in RipStop, cross-rigid XE fabric, heat resistant, flame-retardant as well as oil resistant quality.

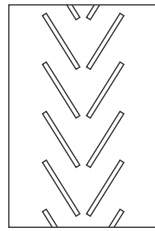
Type V3,V5, V6 and V10



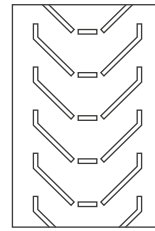
Type V15 - wide



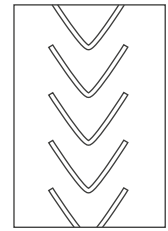
Type V15 -standard open



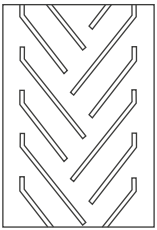
Type C15 - standard



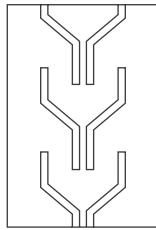
Type V15 - standard closed



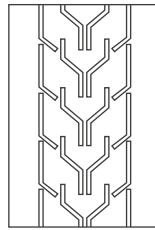
Type C15 - wide



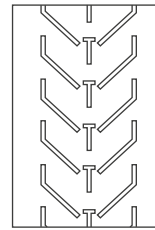
Typ Y17



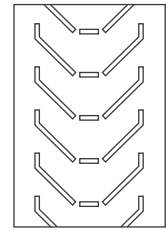
Typ Y17



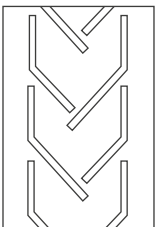
Type CT25



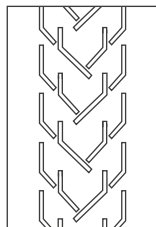
Type C25



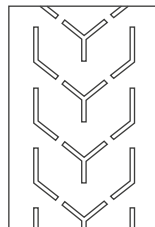
Type C32 - slim



Type C32



Type Y32



Side wall conveyor belts



BAOPOWER sidewall conveyor belts can be used for horizontal, sloping or vertical conveyance, it is one of the most effective ways of elevating materials in a confined space, the economy is achieved by single belts operation, wide range material can be handled, less space and requirement, no transfer point, low maintenance and big capacity. Sidewall conveyor belts can increase the transmission angle, decrease area, decrease investment. Large conveying capacity and higher hoisting height.