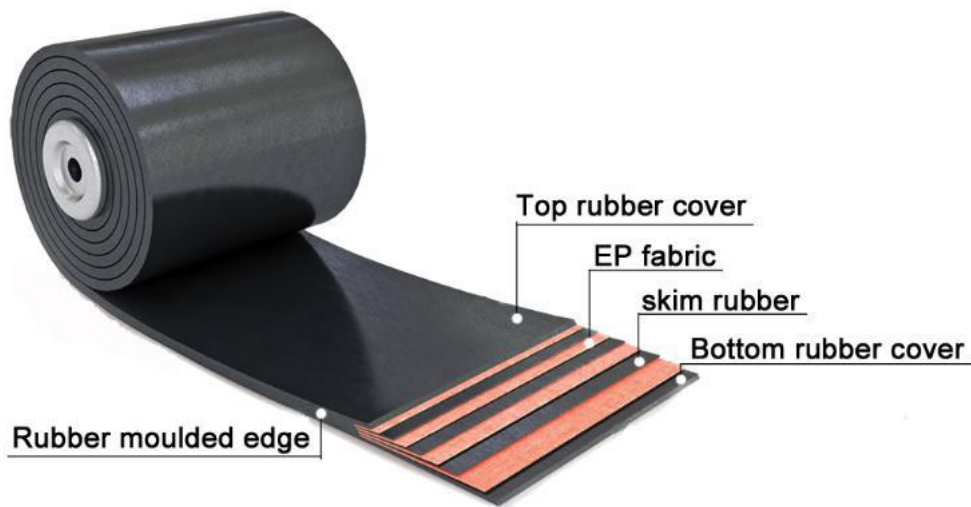


Product list

Abrasion resistant conveyor belts

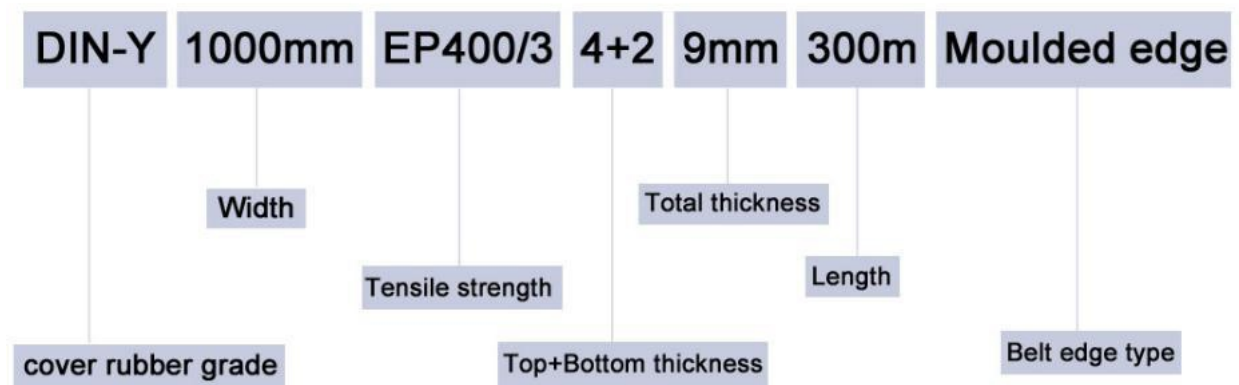
To meet various needs from our customers all over the world, Sinoconve mainly manufacture textile ply conveyor belting, facing industries like mining, crusher plant, cement, steel, construction and package handle throughout the world.

Sinoconve multi-ply conveyor belting provide surpassing value for money to help our clients grow their business worldwide. Extensive producing technology and rich working experience enable us to manufacture high quality conveyor belts, excellently resisting to impact, abrasion, tear, cut, heat, fire, cold, oil and grease.



Property

- ☆ Suitable for heavy duty operations due to polyester/polyamid(EP) fabric structure design
- ☆ Low elongation with highly reliability and durability
- ☆ High adhesion between plies and between cover and ply.
- ☆ Advanced production technologies and facilities ensure ep conveyor beltings extended service life
- ☆ Available width from 300mm to 2500mm, depending on rubber conveyor belts thickness and length
- ☆ Different cover quality enable EP conveyor belts to transport materials which is -40℃ to 300℃, combustible, oily and cold.



Cover Rubber grade	8MPA,10MPA,12MPA,15MPA 18MPA,20MPA,24MPA,26MPA	DIN-X,Y,W RMA-1,RMA-2 N17,M24
Belt width (mm)	500,600.650,700,800,1000,1200 1400,1500,1800,2000,2200,2500	18",20",24",30",36",40",42" 48",60",72",78",86",94"
Tensile strength	EP315/3,EP400/3,EP500/3,EP600/3 EP400/4,EP500/4,EP600/4 EP500/5,EP1000/5,EP1250/5 EP600/6,EP1200/6	330PIW, 440PIW
Top+Bottom thickness	3+1.5, 4+2, 4+1.5, 4+3, 5+1.5,	3/16"+1/16", 1/4"+1/16"
Belt thickness	3mm,4mm,5mm,6mm,7mm,8mm,9mm,10mm,12mm,15mm,20mm,25mm	
Belt length	10m,20m,50m,100m,200m,250m,300m,500m	
Belt edge type	moulded(sealed) edge or cut edge	

Fire retardant conveyor belts

To transport combustible materials like coal dust, gas and fertilizer,it is of crucial importance to choose fire resistant conveyor belts

Flame retardant conveyor belts are static electricity conductive and self-extinguishable.Therefore it is applicable in a wide variety of ATEX conditions including mining,wood,paper&pulp,sugar&food,recycling and chemical&fertilizer plants.

Sinoconve manufacture fire resistant conveyor belts according to customer's operational conditions.

Flame retardant conveyor belts test based on EN/ISO 340:

- Anti-static: $\leq 3 \times 10^8$
- Drum friction: no flame under the condition of 325℃
- Buring test:

		
Put six individual samples of the belt on a naked flame	Remove	Record the duration of continued burning

A. For individual test sample of fire resistant conveyor belts,the time it takes to self-extinguish should be no more than 15 seconds.

B. For each group of six test pieces,the maximum cumulative time they take to self-extinguish should be no more than 45 seconds.

Property

- ☆ Anti-static which conform to EN/ISO 20284 international standards
- ☆ When ignited,it will self-extinguish within 15 seconds
- ☆ Rubber belts reinforced by several layers of textile fabrics (multi-ply) or steel cord
- ☆ Available in abrasion resistant type--as low as 150mm³,oil resistant type for both mineral oil and vegetable oil
- ☆ Widely used in underground mining industry for long distance transportation with high speed
- ☆ K grade(with covers) and S grade(with or without covers) are available for fire resistant conveyor belts

Heat resistant conveyor belts

When conveying hot materials, the working surface rubber contact with materials directly. Conventional conveyor belts will be easily cracked and hardened under this condition. This will reduce the protection of carcass from cover rubber, thus resulting carcass separation and splice failure. Sinoconve heat resistant conveyor belts select heat resistant compounds and innovative structure to solve these problems.



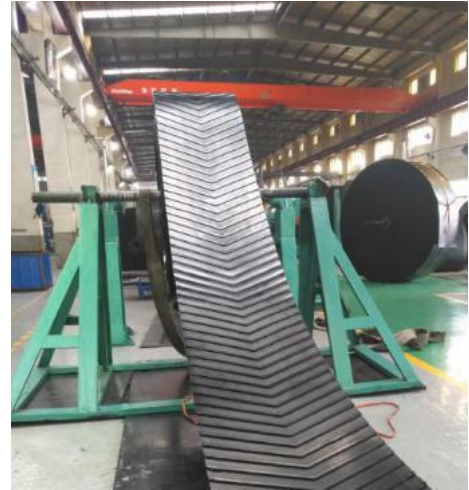
Product advantage:

- Optimal formula of EPDM/POE vulcanizing, together with designed mixing process, to obtain ideal heat resistant cover rubber.
- Aminolysis reaction resistant fiber material is covered on both sides of textile carcass of burning through resistant conveyor belts. It not only effectively isolate polyester fiber from direct contact with cover rubber, preventing carcass destruction caused by heat, but also retain a high adhesion to EPDM under high temperature.
- Anti-aging property of special textile carcass make it no need to increase cover rubber thickness during belt design, resulting a reduction on cover rubber consumption and production cost of burning through resistant conveyor belts.

Item		Classes			
		T1	T2	T3	T4
		Test temperature			
		≤100℃	≤125℃	≤150℃	≤175℃
		Change range allow			
Hardness	The difference 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

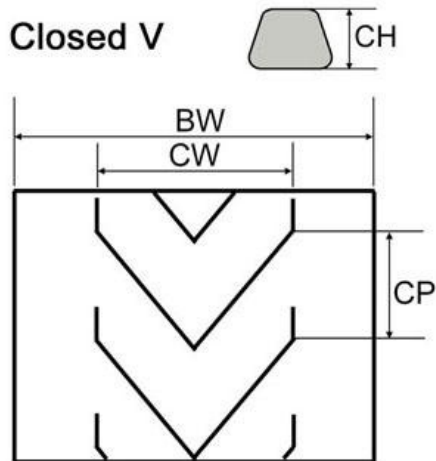
Chevron conveyor belts

Chevron conveyor belts are used on slope angles up to approx. 30° for slightly rolling materials such as gravel and coal and up to approx. 40° for sticky materials such as wet sand and earth. Patterned conveyor belts are also a highly effective belt for conveying packages such as sacks and bales.

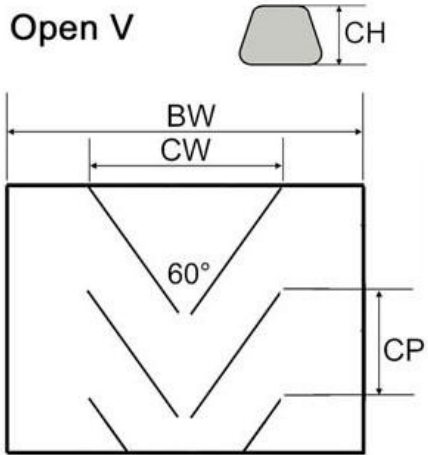


Product advantage of chevron conveyor belts:

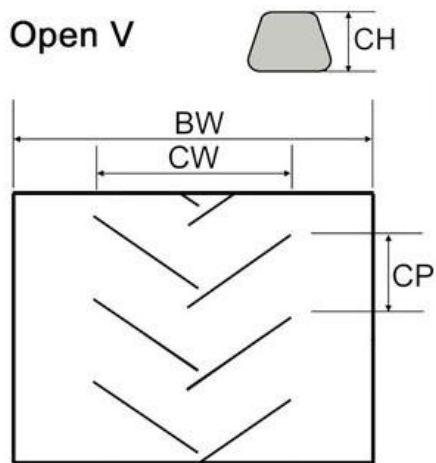
- The cleats are moulded and vulcanized in one single process together with the base belt of patterned conveyor belts.
- Profile conveyor belts allows the use of smaller pulley diameters
- High quality cover rubber compound is excellent resistant to abrasion



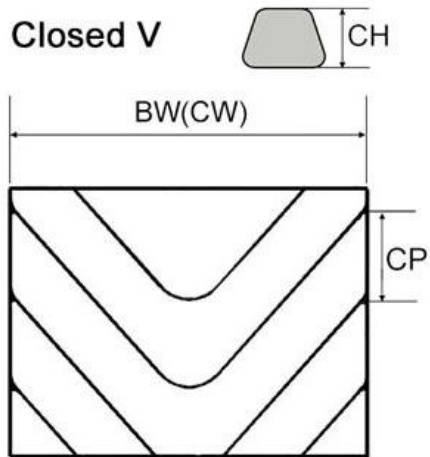
Mould no.	CH mm	CP mm	CW mm	BW mm
C5P230	5	230	260	360-1000
C5P230	5	230	300	400-1000



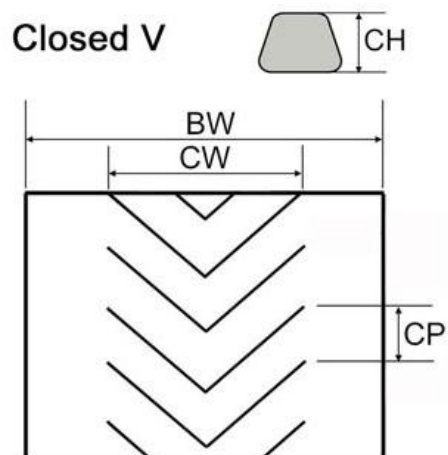
Mould No.	CH mm	CP mm	CW mm	BW mm
C15P250	15	250	385	485-1000
C15P330	15	330	600	700-1200



Mould no.	CH mm	CP mm	CW mm	BW mm
C12.7P200	12.7	200	914.4	400-1200

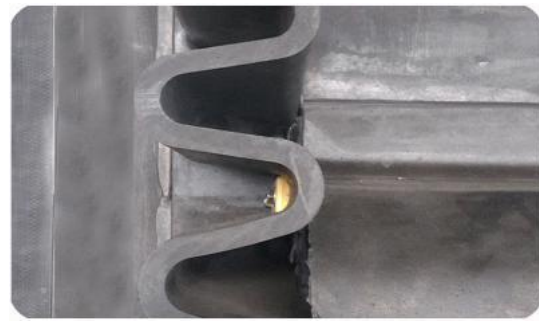


Mould No.	CH mm	CP mm	CW mm	BW mm
C13.5P200	13.5	200	660	760
C13.5P200	13.5	200	800	900



Mould No.	CH mm	CP mm	CW mm	BW mm
C6P80	6	80	655	400-1000
C6P80	6	80	800	400-1200
C11P80	11	80	1000	400-1200

Sidewall conveyor belts

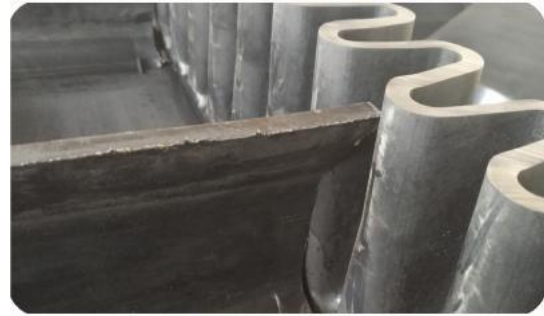


-- Sidewall conveyor belts are composed of three parts: base belt, sidewall and cleats

-- Possible to convey at steep angle with big capacity in a limited space

-- Special treated steel mesh inserted into both top cover and bottom cover, creating an excellent combination of longitudinal flexibility and transverse rigidity.

-- The entire steep angle conveyor belts are highly durable, low elongation and long lasting

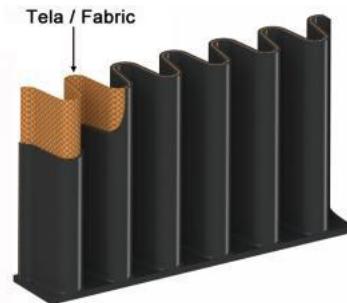


-- Sidewall is hot vulcanized on the base belt

-- High quality rubber to guarantee sidewall withstand highly stress and repeated flexing

-- Fabric inside sidewall perfectly combine flexibility and strength to effectively avoid torn

-- Sidewall height ranges from 40mm to 400mm



-- Cleats are also hot vulcanized on the base belt

-- Fabric inside cleats protect cleats from deformation caused by impact.

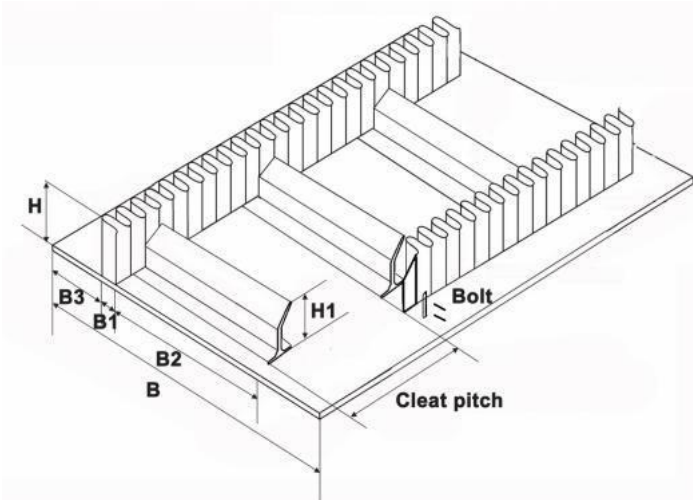
-- Cleats are the main part to carry materials in a high capacity and steep angle

-- Available with TC or TCS type

-- Special compounds to extremely avoid deformation caused by impact.



Sidewall conveyor belts are composed of three parts: base belt, sidewall and cleats. Sidewall and cleats are connected with base belt by second hot vulcanizing, which creates a super-strength bond between sidewall, cleats and base belt, preventing base belt aging caused by multi vulcanizing. The entire steep angle conveyor belts are highly durable, low elongation and long lasting.



Base 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	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	180			
	240	220			
1200	160	140	75	690	180
	200	180			
	240	220			
	300	260	100	640	
1400	200	180	75	830	210
	240	220			
	300	260	100	780	
	400	360			

Quality control

Step 1: Raw material inspection

	
Rubber compound test Moving die rheometer analyzes the characteristics of Rubber Compound	EP fabric test Tensile strength test and elongation test when broken.

Step 2: Advance equipment to guarantee quality from the details

	
Calender process 4 rollers calender machine is able to stick rubber on both side of the fabric in one time. This can reduce the strength loss of the rubber during the process.	Forming process The forming tension is even between different plies, which can avoid wrinkled fabric and guarantee an even thickness of belt core.

Step 3: Finished belts inspection

We have an inspection team to inspect the surface and dimension of each conveyor belt. If any problem on belt surface, we will repair at once in our factory.

		
Length and surface inspection	Thickness inspection	Width inspection

Step 4: Technical data test

We have a lab to test all raw materials and rubber compound. For each roll of conveyor belt, the lab will test the following features, and issue Quality Test Report.

		
Abrasion test	Adhesion strength test	Tensile strength test



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