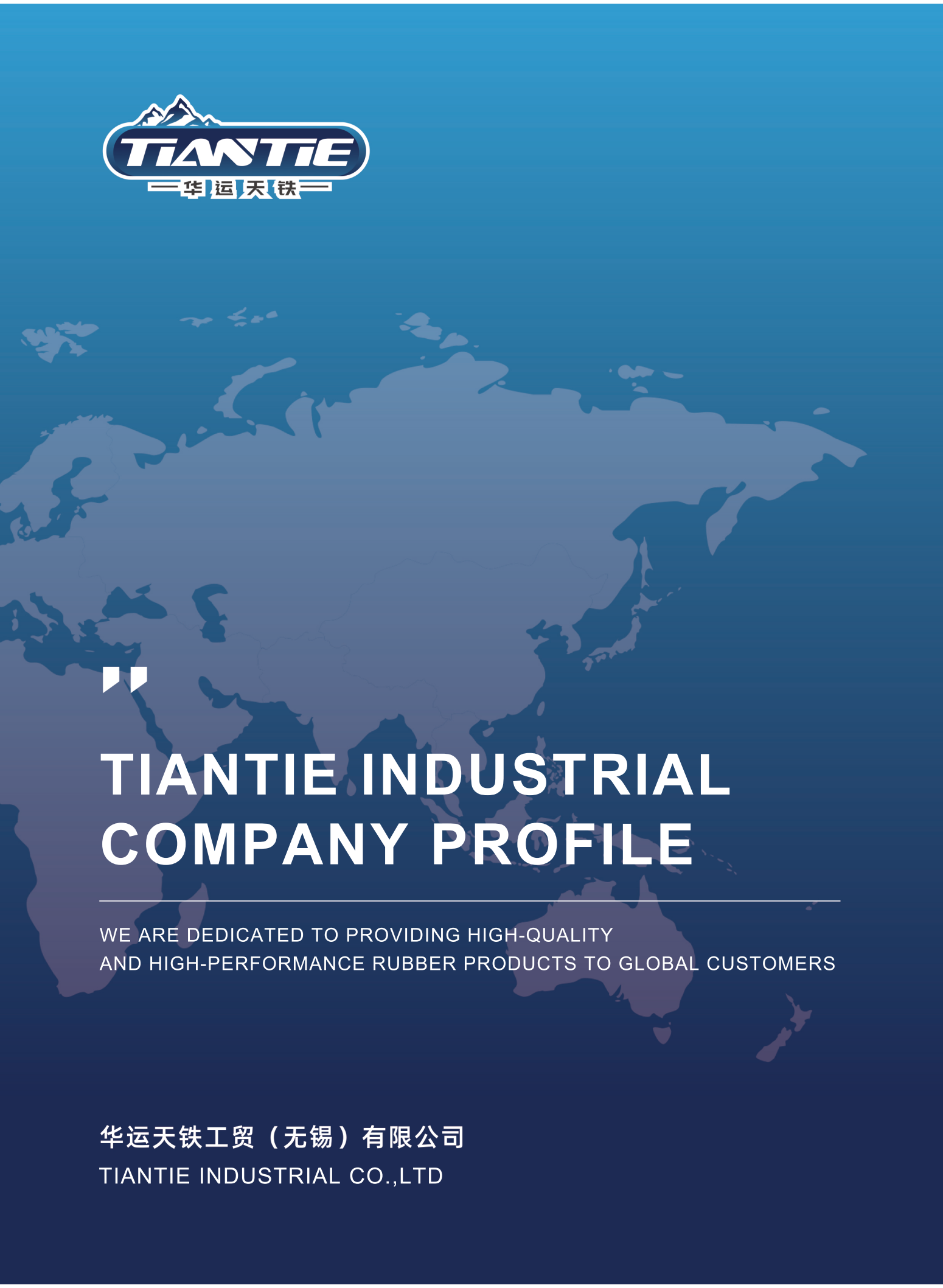


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TIANTIE INDUSTRIAL COMPANY PROFILE

WE ARE DEDICATED TO PROVIDING HIGH-QUALITY
AND HIGH-PERFORMANCE RUBBER PRODUCTS TO GLOBAL CUSTOMERS

华运天铁工贸（无锡）有限公司
TIANTIE INDUSTRIAL CO.,LTD

Stock Code: 300587

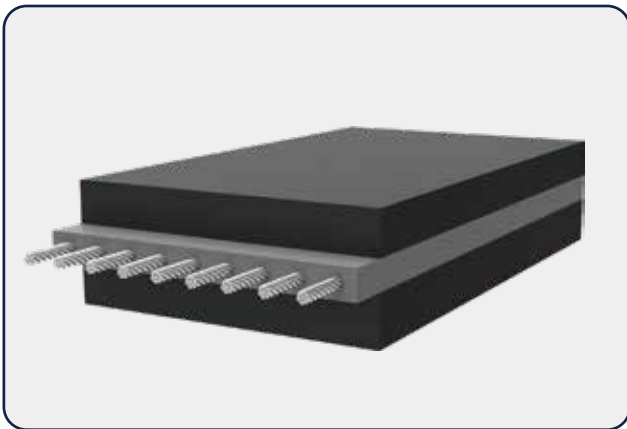
In 1987, the first spark of rubber products was ignited in Tiantai County, marking the birthplace of our dreams. After going through many challenges, in 2017, we were successfully listed on the ChiNext of the Shenzhen Stock Exchange (Stock Code: 300587), marking a new phase of development for Tian Tie Co., Ltd. By 2024, our strategic layout spanning over 20 subsidiaries across key economic regions nationwide.

Tiantie Industrial Co., Ltd. covers an area of 120,000 square meters, Registered capital of RMB1,166,343,797, Paid-in capital of RMB1,091,419,717, R&D team: 80 +, Number of workers: 600+, Production Line: 25, Mixing Center: 30,000 Tons/Year, Conveyor belt capacity: 10000 Meter/Day. Our company leads China's rubber conveyor and transmission industry with innovation.

In the future, Tiantie Industrial Co., Ltd. will embark on a new journey with the mission of group strategic upgrading. We will seamlessly integrate exquisite industrial craftsmanship with innovative technology to promote the development of rubber conveyor belts and transmission belts industries.

Powering Industries, Delivering Enduring Value”





► Features

High tensile strength, low extensibility, small used transmission pulley diameter, uniform steel wire rope tension, excellent troughability and good adhesive between rubber and steel wire.

► Applicable

The belt realizes conveying a large amount of materials at long distance and at high speed in the fields of coal, mine ports, metallurgy, electric power, chemical engineering, etc.

The steel cord conveyor belt has the general used, high abrasion, cold-resistant and flame-retardant according to the using requirement and the performance of the cover rubber.

► Performance of the cover rubber

TIAN TIE can make all kinds of ST belt with cover rubber by standard of DIN, ISO, RMA, CSA, AS, etc.

Any details please connect with TIAN TIE salesman/engineers.



Steel Cord Conveyor Belt



➤ Specification:

Strength: ST630-7100N/mm Width(mm) : 400-2500

Item	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400
Tensile strength (N/mm)	630	800	1000	1250	1600	2000	2500	3150	3500	4000	4500	5000	5400
Diameter (mm)	3	3.5	4	4.5	5	6	7.2	8.1	8.6	8.9	9.7	10.9	11.3
Pitch(mm)	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	16±1.5	17±1.5	17±1.5
Cover Thickness (mm)	5×5	5×5	6×6	6×6	6×6	8×8	8×8	8×8	8×8	8×8	8×8	8.5×8.5	9×9
Minimum Pulley Diameter(mm)	500	500	630	800	1000	1000	1250	1400	1600	1600	1600	1800	1800

Number of Steel Cord

Width (mm)	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400
800	75	75	63	63	63	63	50	50	50				
1000	95	95	79	79	79	79	64	64	64	64	59	55	55
1200	113	113	94	94	94	94	76	76	77	77	71	66	66
1400	133	133	111	111	111	111	89	89	90	90	84	78	78
1600	151	151	126	126	126	126	101	101	104	104	96	90	90
1800		171	143	143	143	143	114	114	117	117	109	102	102
2000			159	159	159	159	128	128	130	130	121	113	113
2200						176	141	141	144	144	134	125	125
2400						193	155	155	157	157	146	137	137

Adhesive

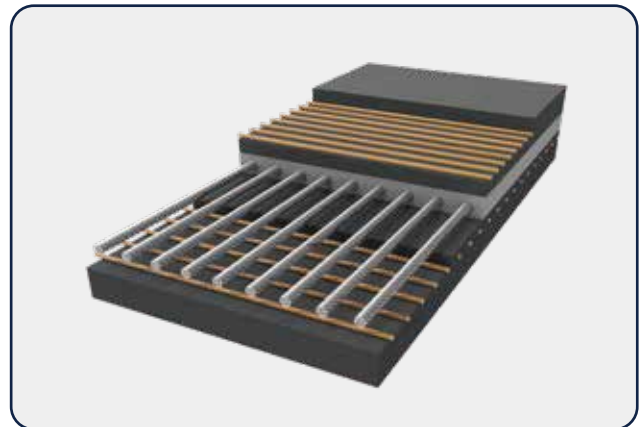
Tensile Strength	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400
Before Aging	60	70	80	95	105	105	130	140	145	150	165	175	180
After Aging	55	65	75	90	95	95	120	130	140	145	160	170	175

Note:

1. Thickness of cover rubber, Diameter of steel cord and pitch of steel cord can be customized according to the requirement of the customer after negotiation.
2. The belt can be produced according to the requirement of the customer under the standards of the German DIN22131, Australia AS133, Japan JISK6369, etc.

► Features

The Anti-Tear Conveyor Belt (Rip stop Belt) is formed by ST carcass with diferent kind of breaker(s)(Polyester,Nylon or Steel Breaker) . General carcass construction is one/two layer(s) breaker in the weft direction.



► Breaker Species

Steel Cord	Diameter
	0.65 mm
	1.2 mm
	1.38 mm
	1.52 mm
	1.82 mm
	2.0 mm
Polyester	breaker
Nylon	breaker



► Features

The most popular belt protection system is induction loops/coils in combination with external transmitters and receivers.

If a foreign body penetrates the belt and gets stuck in the conveyor structure, it may rip the belt.

If a sensor loop is cut by this foreign body, no signal is transferred by the loop anymore - the receiver sensor does not get a signal and shuts off the conveyor drive.

Some time, when belt deviation or congestion occurs, and over rating value, the sensor will alarm and lunch emergency breaking system, easy to find accident in time, to reduce the loss.

► Technical proposal in loops installing

1. In order to protect loop, rubber cover thickness should be over 6.0mm.
2. The loop can be vulcanized into steel cord or multi-ply conveyor belt, top or bottom cover.
3. The loop distance between 50meters to 150meters is better.
4. Two types loops exist for difference purpose, normal or flame resistance rubber cover bet application, normal type use the ordinary compound, the flame resistant type use the flame resistant compound.
5. Before choosing sensor conveyor belt, please let us know the specification, and then we can provide you the most appropriate advice.



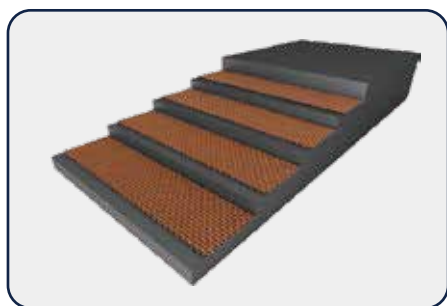
CFW is short word of crowford weave which is a kind of fabric with very special construction

► Features

Low elongation, excellent impact resistance, excellent anti-tearing performance, high adhesive strength

Generally, CFW can be produced in most of the cover grade at TIAN TIE.

Please see details of characteristics on pages of compound.



Technical index of CFW Fabric

Fabric Type		Breaking strength	Elongation at Break	Thickness	Width	Adhension
		N/mm	%	mm	mm	N/mm
CFW200	warp	>240	>15	0.85	400-2400	≥8
	weft	>80	≤45			
CFW250	warp	>330	>15	1.1		≥8
	weft	>90	≤45			
CFW300	warp	>350	>15	1.25		≥8
	weft	>100	≤45			
CFW350	warp	>400	>15	1.30.		≥8
	weft	>105	≤45			
CFW400	warp	>460	>15	1.40		≥8
	weft	>110	≤45			
CFW500	warp	>570	>15	1.55		≥8
	weft	>120	≤45			

Note: The data are only for reference of type selection.

► Features

Impact resistance, high adhesive strength, excellent flexibility, light weight, stable tension strength, high troughability, less thickness, low elongation and long length per roll.

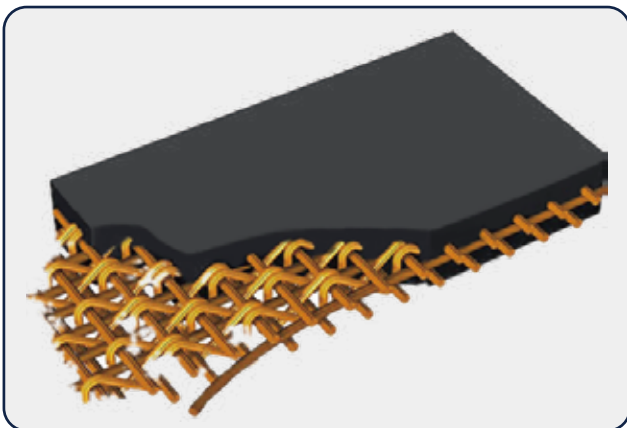
Straight warp fabric technical data

Fabric Type		Breaking Strength	Elongation at Breaking	Carcass	Width	Adhesive
		N/mm	%	mm	mm	N/mm
SW400	warp	>460	>15	2.28	800-1600	≥8.0
	weft	>140	—			
SW500	warp	>590	>15	2.53	800-1600	≥8.0
	weft	>180	—			
SW630	warp	>685	>15	2.7	800-1600	≥8.0
	weft	>200	—			
SW800	warp	>880	>15	3.1	800-1600	≥8.0
	weft	>240	—			
SW1000	warp	>1060	>15	4.2	800-1600	≥8.0

Conveyor belt joint way

Single ply: finger joint method

Double ply: over lap joint method



➤ Applicable

The Single/Multi Textile conveyor belt is widely applied to conveying materials in the fields of mine, ports, metallurgy, building, chemical engineering, electric power, grain, etc.

➤ Fiber type

Polyester-----E	Cotton-----C	Terylene-----T
Polyamide(Nylon)-----P(E)	Polyaramide-----A	Monofilament-----X

➤ Fabric compositions

polyester/polyamide(Nylon)-----EP	terylene/cotton-----TC
polyamide(Nylon)/polyamide(Nylon)-----NN	polyester/polyamide/polyamide-----EPP(SW-straight warp)
cotton/cotton-----CC	monofilament/polyester-----XE

➤ Weave: from one to six layers

Plain weave, CFW, Rib weave, Broken twill weave

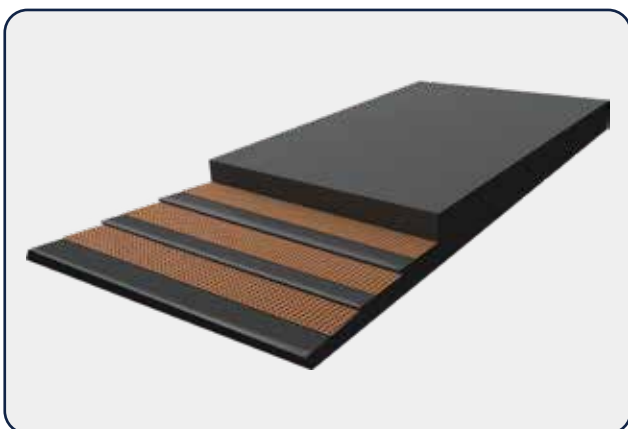
➤ Tensile Strength:100kn/m/ply-800kn/m/ply

➤ Performance of the cover rubber

TIAN TIE can make all kind of Single/Multi Textile Conveyor Belt with cover rubber by standard of DIN, ISO, RMA, CSA, AS, etc.

➤ Abrasion

TIAN TIE cover rubber Min abrasion 30mm³



Single/Multi Textile Conveyor Belt



Carcass	Carcass Structure		Carcas s Type	Carcass Thickness (mm/p)	Strength (N/mm)					Cover Thickness (mm)		Width (mm)
	Warp	Weft			2ply	3ply	4ply	5ply	6ply	top cover	bottom cover	
EP	Polyester	Nylon	EP100	1.00	200	300	400	500	600	1.5-30	1.5-20	300- 3500
			EP125	1.00	250	375	500	625	750			
			EP150	1.10	300	450	600	750	900			
			EP200	1.20	400	600	800	1000	1200			
			EP250	1.40	500	750	1000	1250	1500			
			EP300	1.60	600	900	1200	1500	1800	2-30	2-20	
			EP350	1.70	700	1050	1400	1750	2100			
			EP400	1.90	800	1200	1600	2000	2400			
			EP500	2.10	1000	1500	2000	2500	3000			
			EP630	2.60	1260	1890	2520	3150	3780			
NN	Nylon	Nylon	NN100	1.00	200	300	400	500	600	1.5-30	1.5-20	300- 3500
			NN125	1.00	250	375	500	625	750			
			NN150	1.10	300	450	600	750	900			
			NN200	1.20	400	600	800	1000	1200			
			NN250	1.40	500	750	1000	1250	1500			
			NN300	1.60	600	900	1200	1500	1800	2-30	2-20	
			NN350	1.70	700	1050	1400	1750	2100			
			NN400	1.90	800	1200	1600	2000	2400			
			NN500	2.10	1000	1500	2000	2500	3000			
			NN630	2.60	1260	1890	2520	3150	3780			
CC	Cotton	Cotton	CC56	1.10	112	168	224	280	336	1.5-30	1.5-20	300- 3500
TC	Polyester	Cotton	TC70	1.00	140	210	280	350	420	1.5-30	1.5-20	

Adhesion Strength and Elongation

Carcass Type (EP/NN)	Adhesion			Elongation	
	Between Plies N/MM	Between Rubber and Carcass N/MM		Longitudinal Elongation At Break At All Thickness of Belt %≥	Longitudinal Reference Tensile Rate at All Thickness of Belt %≤
		Cover Thickness (0.8-1.5mm)	Cover Thickness >1.5mm		
Mean Value	≥ 4.5	≥3.2	≥3.5	10	2
Lowest Data	≥3.9	≥2.4	≥2.9	10	2

Flame Retardant Conveyor Belt

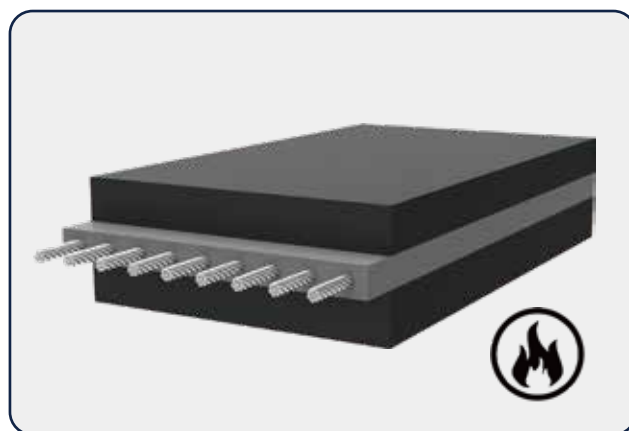
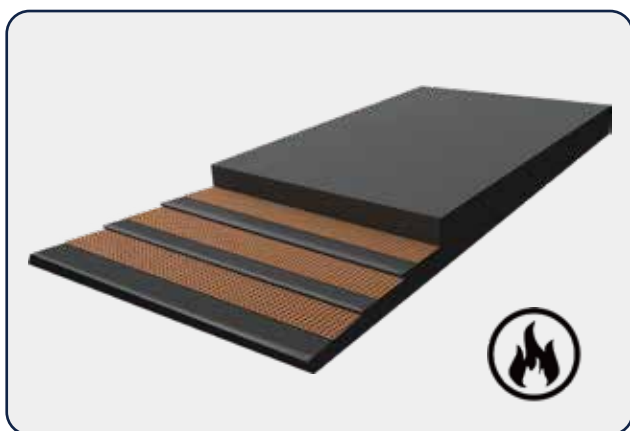


► Features

TIANTIE brand flame retardant conveyor belt (Fire Resistant Conveyor Belt) with unique formula and special treatment of carcass, is used in underground mining or conveying flammable materials.

► Applicable

Cement Plant, Foundry, Iron Ore, Steel Mills, Underground, Tunneling, flammable materials such as mining sinter, cinder, coke, etc.



► Technical data

Cover rubber property

	Tensile Strength(MPA)	Elongation at break(%)	Abrasion(mm ³)
Item	≥14	≥350	≥250
	≥18	≥400	≥200
	≥20	≥400	≥180

Safety property

	Elongation at break(%)
Standard	MSHA (mine safety and health administration)
	DIN-EN-14973(A, B1, B2, C1, C2)
	CSA-M422-12
	SABS
	AS4606
	JIS-K-6324

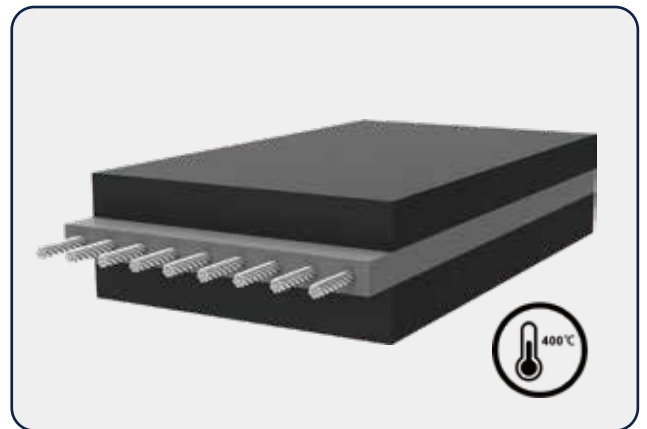
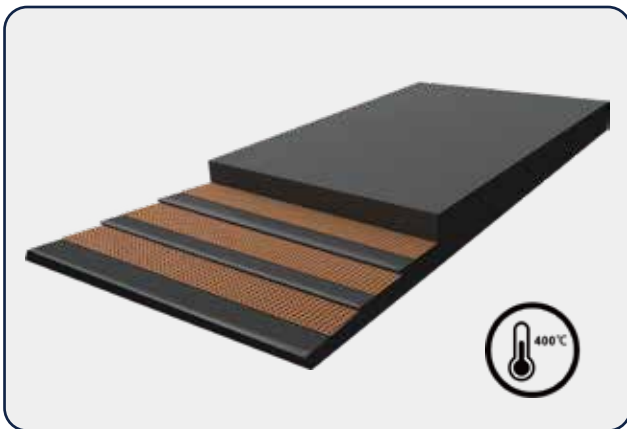
Heat Resistant Conveyor Belt



TIANTIE brand heat resistant conveyor belt is specially designed for conveying the high-temperature materials, has excellent heat resistance, and can still keep excellent ageing resistance under the severe environment in the high temperature conveying process, prolong service life.

➤ Applicable

Metallurgy, Cement Plant, Fertilizer Factory, And High-temperature Environment.



➤ Features

- 1.Special rubberized fabric instead of common fabric.
- 2.Special ST cord construction instead of common ST construction.

➤ Note

- 1.There is very difference temperature between materials with surface of belt
- 2.The above difference come from materials conveyed size, cooling measure (water , ventilation, etc).

➤ Temperature area

Temperature of belt surface°C	100	125	150	180
average temperature of materials°C	120-130	130-140	140-190	190-220
peak temperature of materials°C	incandescent point	150	200	200-300

After long term heat exposure, wrong choosing of heat resistant rubber cover may crack which will cause big problem.

Please consult TIANTIE before making decision.

► Features

The cover grade beating the cold to ensure belt flexibility even at the lowest temperatures down to -50 °C.

In some regions, conveyor belts are exposed to extremely large temperature ranges. The belt structure can get brittle and be subject to cracks at temperatures below -30 °C.

Cold resistant cover rubber have been especially designed by our engineers to keep their flexibility until -50 °C, enabling a maximum belt lifetime under such harsh climate conditions.

► Technical Details

TIANTIE has designed a full range of cold resistant cover rubber to match the distinct needs of our customers under the most extreme environmental conditions.

The main features of cold resistant cover rubber are:

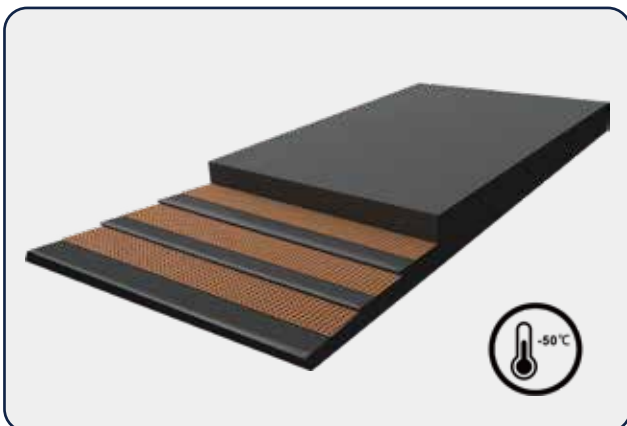
Exceptional cold resistance

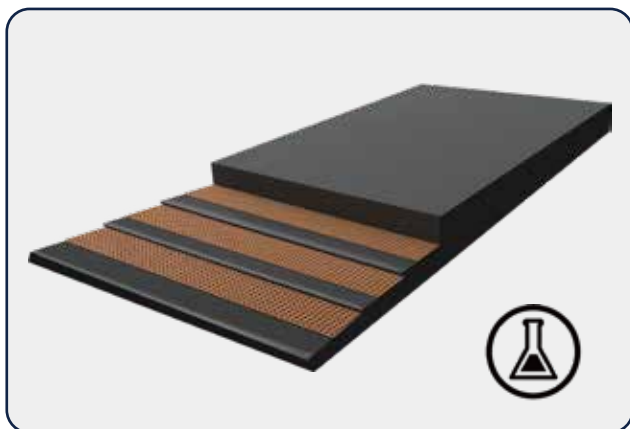
High elasticity kept at low temperatures

Excellent shock resistance

All properties maintained down to -50 °C as the basis for efficient performance.

Suitable for conveying various types of materials under extreme temperatures.





► Features

Excellent chemical resistance performance

► Applicable

Chemical plant, chemical fertilizer plant, paper-making factory

► Technical data

Physical property of cover rubber under hot air accelerated aging test (test condition: 50 °C *96h).

Class	Solution	Concentration	Covered Condition	The Change Rate Before And After Coverd	
				Volume Expansivity	Strength change Rate
A1	(HCl)	18%	50 °C x96h	≥10%	≤10%
A2	(H ₂ SO ₄)	50%	50 °C x96h	≥10%	≤10%
A3	(NaOH)	48%	50 °C x96h	>10%	<10%

Item	Breaking strength (MPa)	Elongation at break(%)	Abrasion(mm ³)	Hardness (°)
Performance before aging	≥14.0	≥400	≤250	60+10/-5
Perormance after aging	≥12.0	≥350	—	65+10/-5

Note: When the thickness of the cover rubber is 0.8mm-1.6mm, the sample thickness can be the maximum cut length, the tensile strength and the elongation at break are allowed to be 15% lower than those in the table.

Oil Resistant Conveyor Belt

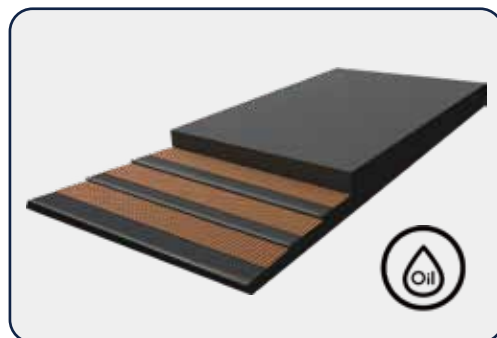


TIANTIE oil resistant conveyor belt is used in greasy situation, conveying oily materials such as mineral oil vegetable oil, animal oil, organic solvent in food processing plants or chemical factories.

► Technical data

After the aging test(70°C*168h), at cover rubber rate of "tensile strength at breaking" and "elongation at breaking ", the value change is not over 25% than before.

Grade	Breaking Strength (Mpa)	Elongation At Break (%)	Abrasion(mm³)
L	≥14.0	≥350	≤200
D	≥16.0	≥350	≤160
Note:L----Under the general oil resistant condition; D----Under the high abrasion and oil resistant condition.			



Option

Meet standard MOR (medium oil resistant),OR (oil resistant)

1. MOR belt only require certain oil resistance grade.
2. OR belts are used in situation which require a very high oil resistance grade.

Oil Resistance Technical Data

Type	Operating Temperature	Suitable Oil Type	Oil Resistance Data(72 hrs)
MOR	-30 C-70 C	Mineral oil, organic solvent	distensibility ≤20%
OR	-30 C-70 C	Vegetable oil, animal fat	distensibility ≤5%

Cover rubber oil resistant testing.

Item	Testing Condition			Volume Change Rate (%)	
	ASTM 471	Soak Temperature, °C	Soak Time, h	L	D
1	IRM901	70±2	70±1	+20	-5
2	IRM902	70±2	70±1	+50	+5
3	IRM903	100±2	20±0.25	+50	+5

Note: When you worry the oil resistant, choice one of oil in above is ok.

The data are only for type selection of the conveyor belt and Tiantie industrial Co.,Ltd.has the final explanation right.

Chevron Conveyor Belt



► Features

The chevron conveyor belt can prevent from slipping of materials and improve conveying efficiency.

► Applicable

Widely used in conveying materials in coal mine, mining, electric power industry, metallurgy industry, chemical industry, light industry, grain, etc.

Pattern Height: 2-50mm

Belt Width: 400-2400mm

Pattern Mold: 100+

If you need, we can make new mold according your requirement. please contact TIAN TIE salesman.



Pipe Conveyor belt



► Features

Excellent flexibility, high speed, large angles of inclination transportation, unsealed transportation, eco-friendly.

Belt width and corresponding pipe diameter specification: unit (mm)

Band width	360	600	800	1000	1100	1300	1600	1850	2250
Pipe diameter	100	120	200	250	300	350	400	500	600



Textile Pipe Conveyor Belt

Physical property class of cover rubber

Performance class of cover rubber	Tensile Strength MPa ≥	Elongation at break % ≥	Abrasion mm ³ ≤	Ozone Resistant	the tensile strength and elongation at break's change rate after aging %
T1、T2	10.0	350	200	—	-45~+45
D	18.0	400	90	No cracks	-25~+25
L	20	400	150	No cracks	-25~+25
H	25	450	120	No cracks	-25~+25
A. Ozone resistant test condition: concentration $(50 \pm 5) \times 10^{-8}$ (volume fraction), temperature $(40 \pm 2)^{\circ}\text{C}$, elongation $(20 \pm 2)\%$, time 96h. B. hot air ageing test condition: D and H type pipe conveying belt $70^{\circ}\text{C} \times 168\text{h}$; T1 type pipe conveyor belt $100^{\circ}\text{C} \times 168\text{h}$; T2 type pipe conveyor belt $125^{\circ}\text{C} \times 168\text{h}$.					
Note: D—High Abrasion; H—anti-tear; T1—Heat Resistant under 100°C ; T2—Heat Resistant under 125°C ; L—Moderate abrasion.					

The belt should meet the requirement of adhesive

Item	Ply to Ply	Top cover to Ply	Bottom cover to ply	
			Thickness of cover $\leq 1.5\text{mm}$	Thickness of cover $> 1.5\text{mm}$
Maximum value of all samples, $\leq$	20	20	20	20
Average value of all samples, $\geq$	8.0	8.0	5.0	6.0
Minimum value of all samples, $\geq$	7.4	7.4	4.4	5.4

Pipe Conveyor belt



➤ Diameter of pipe

Nominal Diameter(mm)	Φ200	Φ250	Φ300	Φ350	Φ400	Φ500	Φ600	Φ700
Outor Diameter(mm)	218	282	308	361	457	543	640	728
Beit Width (mm)	800	1000	1100	1300	1600	1850	2250	2450



➤ Tensile strength and belt width specification

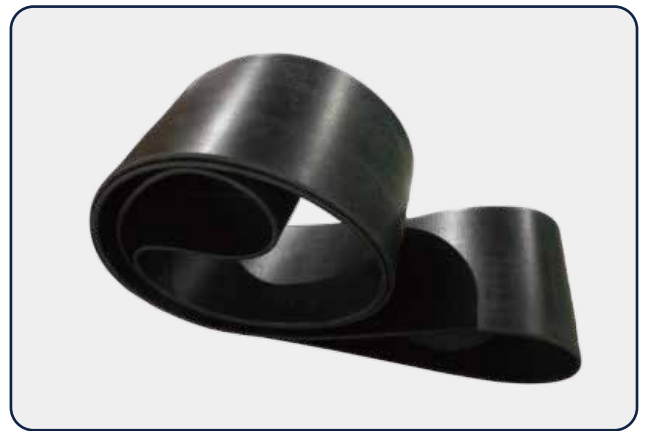
Steel Cord Pipe Conveyor Belt

Item	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST2800	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400
Longitudinal tensile strength(N/mm)	630	800	1000	1250	1600	2000	2500	2800	3150	3500	4000	4500	500	5400
Maximum diameter of steel cord (mm)	3	3.5	4.0	4.5	5.0	6.0	7.2	7.6	8.1	8.6	8.9	9.7	10.9	11.3
Pitch of steel cord(mm)	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)	6	6	6	6	8	8	8	8	10	10	10	10	10	10
Bottom cover thickness (mm)	6	6	6	6	8	8	8	8	10	10	10	10	10	10

Belt Width mm	Number of Steel Cord													
	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST2800	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400
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
1100	105	105	87	87	87	87	69	69	69	69	69	61	61	61
1300	124	124	103	103	103	103	183	183	183	183	183	77	72	72
1600	151	151	126	126	126	126	101	101	101	104	104	96	90	90
1850	177	177	147	147	147	147	119	119	119	119	119	111	104	104
2250			181	181	181	181	145	145	145	145	145	137	125	125
2450			197	197	197	197	158	158	158	158	158	148	139	139

► Features

The tensile strength of the joint in belt carcass can be 90% of the belt itself. There is no obvious joint defect in the belt surface so it can run smoothly with low elongation. The belt carcass of endless conveyor belt is made of high quality all- cotton fabric or vinylon interweave canvas, usually use 2-6 plies with nylon canvas (or polyester canvas) as strength layer.



► Specification

Our company can produce endless conveyor belt with 1-200 meters length, 300-2500 mm width, and 6-40 mm thickness that can be used in different conditions according to the customer demand.





➤ Applicable

Used to transmit momentum and promote the materials, apply to engine, air-blower, lifting machine, water pump and threshing machine, etc.

➤ Features

High strength canvas to be the framework material, hang with good quality rubber material, high intensity and transmission power, excellent flexibility, no slide, cross transmission is available. easy to stitch, little elongation, durable.

Round edged flat transmission belt :

The outermost layer canvas or multilayer canvas of round edged transmission belt be wrapped up, the side of the belts' curved.

Cut edged flat transmission belt :

Cut edged transmission belt be made by adher several layers of full width canvas together. the sides of the belts are flat surfaces by cutting. The belt edged are coated with rubber paste.



Sidewall Conveyor Belt



➤ Features

Steep incline conveying from 0-90°

Wide range of applications for conveying materials

Large conveying capacity, high elevation range

Small footprint

Stable operation, long service life

Low investment and maintenance costs

➤ Applicable

Corrugated sidewall conveyor belts are used for bulk material handling in steep incline application metallurgy in port, metallurgy, tunneling, hydraulic engineering, power, mining, building material, grain, chemical and cement industries.

➤ Capability

Belt Width: 300-2400mm

Sidewall Height: 40-630mm

Cleat Height: 35-600mm

Belt Strength: 250-7500N/mm

➤ Automated Precise Buffing/Cutting

High accuracy delivers precise processing dimension

Excellent buffing effect results in higher adhesion

High efficiency enables high productivity

Safer & environment-friendly

➤ Hot Vulcanization Assembly

The sidewall, cleat and base belt are hot vulcanized to achieve high adhesive strength

Reliable bonding and excellent surface smoothness

Sidewall and cleat will not come off due to high temperature



Sidewall Conveyor Belt



➤ Side wall Type

Type	H(mm)	Sw(mm)	Tw (mm)	P(mm)	EST Weight (Kg/m)	Min. Pulley Dia. (mm)
S	40	30	20	25	0.48	125
	60	50	45	40	1.38	160
	80	50	45	40	1.66	200
	100	50	45	40	2.00	250
	120	50	45	40	2.24	315
Diagonal fabric reinforcement is suggested for sidewall higher than 120mm. This carcass reinforcement is also available for sidewall height less than 120mm.						
MDSF	120	75	65	63.5	3.88	315
	160	75	65	63.5	4.22	400
	200	75	65	63.5	4.93	500
	240	75	65	63.5	5.92	630
	280	75	65	63.5	7.40	800
	300	75	65	63.5	7.66	800
HHDF	300	100	90	83	12.61	800
	400	100	90	83	15.67	1000
	500	100	95	89	18.78	1250



➤ Cleat Type

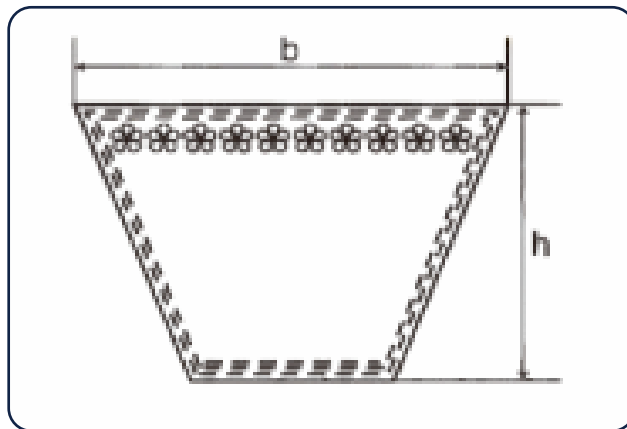
Cleat Type	Height (mm)	Cover Thickness (mm)	Weight (kg/m)	Min. Pulley Dia.(mm)
 C	55	100	1.40	125
	75	100	1.47	150
	90	110	3.01	250
	110	110	3.57	315
 T	55	100	1.58	125
	75	100	1.82	150
	90	110	2.53	250
	110	110	3.11	315
	140	160	5.70	400
	180	160	6.81	500
	230	160	8.71	630
 TC	55	75	1.17	125
	75	100	1.93	150
	90	110	3.57	250
	110	110	2.38	315
	140	150	5.70	400
	180	150	6.81	500
	230	160	7.85	630
	280	180	14.34	800
 TC-XS	230	160	10.6	630
	280	160	11.95	800
	360	230	24.66	1000
	470	230	31.00	1250



► Features

TIANTIE classical V belts are often produced according to standard DIN2215 for multitude application possibilities.

That's multiply V belt drives where high shock load and heavy-duty loads are encountered.



► Sections

Type	Top Width,b mm	Pitch width mm	Height,h mm	Length Range mm	Angel
ZM	10	8.5	6	343-2478	40°
A	13	11	8	381-9000	40°
B	17	14	11	457-17000	40°
C	22	19	14	700-17000	40°
C	32	27	19	1900-17000	40°
E	38	32	23	3000-17000	40°
F	50	/	30	5000-17000	40°

► Special sections

Type	Pitch Width mm	Heigt.h mm	Angle
3L	9.8	5.6	40°
4L	12.7	8	40°
5L	16.8	10.5	40°
Y	6	4	40°
MF	9.5	8	40°
K	8	6	40°
D22	14	7.5	40°
D24	14	8	40°
CD	25	16	40°
D32	32	16	40°
D20	20.5	12.5	40°

Narrow V Belt



► Features

TIANTE narrow V belts are produced according to DIN7753 for compact, high horsepower drives and high shock loading on short centers and small diameter..

► Properties and Advantages

Multiply special designs

Equal power transmission

Excellent operational safety

Suitable for heavy duty drives with limited space

Narrow profile provides saving through efficiency, above 95%

50-100% higher than calssical V belt in transmission power

Temperature range from -55°C to +80°C

Static conductive to ISO1813

Oil, heat, ozone and abrasion resistant.

► Structure

Outside fabric: polyester cotton canvas

Tensile memeber: polyester cord

Top rubber: nr,sbr

Buffer rubber: nr.sbr

Bottom rubber:nr.sbr

► Applications

Crushers, compressors

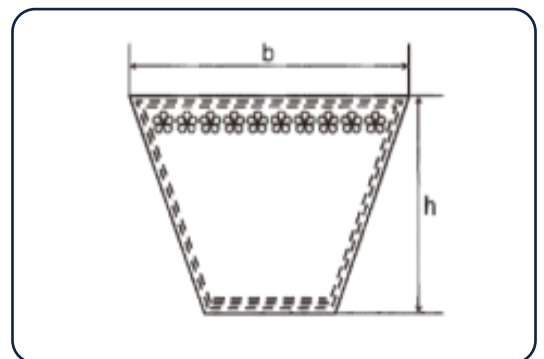
Blending system

Combine harvesters,compressors, choppers

Lawnmowers,scarifiers

► Sections

Type	Top Width,b mm	Pitch Width mm	Height,h mm	Length Range mm	Angel
3V(9N)	9.5	/	8	375-3353	40°
5V(15N)	16	/	13.5	795-17000	40°
8V(25N)	25.5	/	23	2500-17000	40°
SPZ	10	8.5	8	375-3353	40°
SPA	13	11	10	475-7200	40°
SPB	17	14	14	750-17000	40°
SPC	22	19	18	1350-17000	40°



► Features

TIANTE hexagonal belts, also called as Double V belts, are designed for use on drives with one or more reverse bends and for transmitting power from both sides of belt..

► Properties and Advantages

Dual-sided classical profile

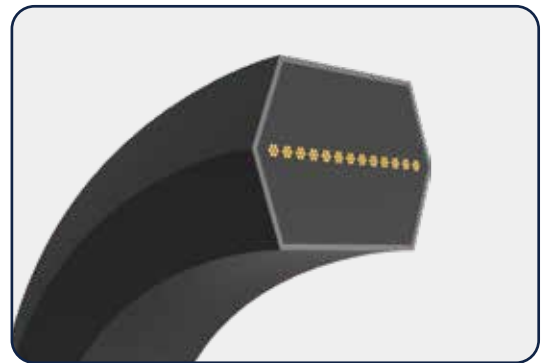
Excellent operational safety

High-horsepower capacity

Temperature range from -30 °C to +80 °C

Static conductive to ISO1813

Oil, Heat Ozone and abrasion resistant.



► Applications

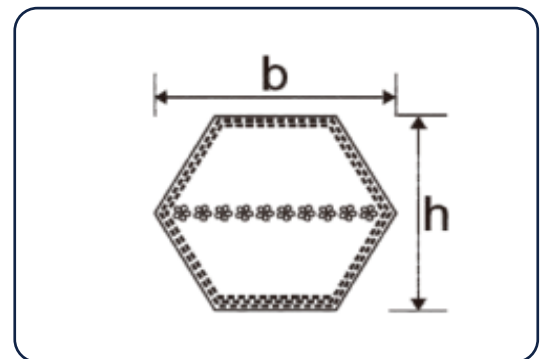
Lawn and garden equipment

Agitators, mixers

Mule drive

Crushers

Conveyors



► Sections

Type	Top Width, b mm	Height, h mm	Length Range mm
AA/HAA	13	10	1880-8000
BB/HBB	17	13	1900-9500
CC/HCC	22	17	2400-9500

► Features

TIANTIE agricultural V belt reinforced fiber loaded compound with polyester cord tension members guarantee long endurance at heavy loads.

► Properties and Advantages

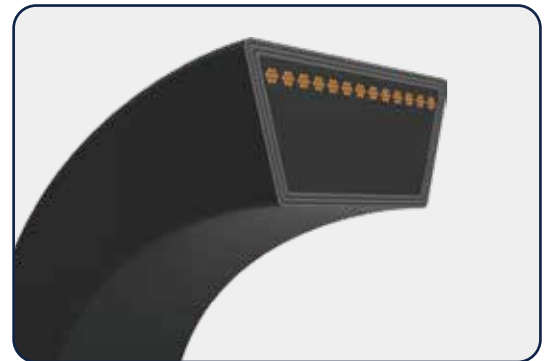
Exceptional high transverse stiffness which ensures long belt life

High-horsepower capacity

Temperature range from -40°C to $+80^{\circ}\text{C}$

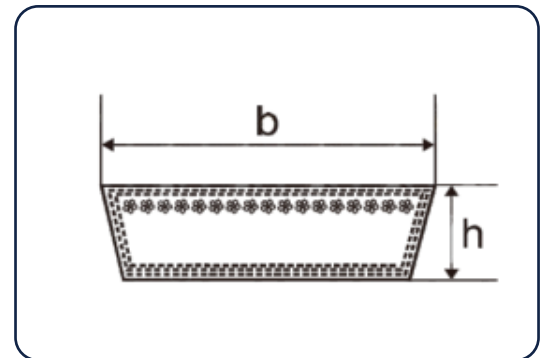
Static conductive to ISO1813

Oil, heat, ozone and abrasion resistant.



► Applications

Farming equipment, i.e harvester

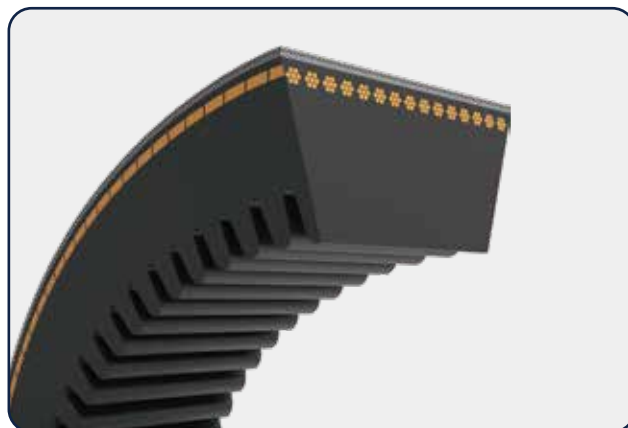


► Sections

Type	Top Width,b mm	Pitch width mm	Height,h mm
HI	25.4	23.6	12.7
HJ	31.8	29.6	15.1
HK	38.1	35.5	17.5
HL	44.5	41.4	19.8
HM	50.8	47.3	22.2

► Features

Raw edge cogged V belt and raw edge laminated V belt both can be produced or extra fabric to be added as customers designation for tough, small sheave, and high tension drives.



► Sections

Type	Top Width,b,mm	Height,h, mm		Angel
		Cogged	Non-cogged	
ZX	10		6	40°
AX	13	9	8	40°
BX	17	11	10	40°
CX	22	14	13	40°
DX	32	19	18	40°

► Sections

Type	Top Width,b,mm	Height,h, mm			Angel
		RawedgeBelt (Cogged),mm	Rawedge Belt (Cogged, NO.1), mm	Rawedge Belt (Cogged, NO.1), mm	
AV-10	10	8	7.5	7.5	40°
AV-13	13	9	8.5	8.5	40°
AV-15	15	11	9.5	9.5	40°
AV-17	16.5	14	9.5	9.5	40°
AV-22	22	13	-	-	40°

Narrow V belt (Cogged or non-cogged)



► Features

Cogged narrow v belt and non-cogged narrow v belt both can be produced for length range from 550mm to 3550mm. Both narrow profile perfect designed for high shock loading on short centers and small diameters.

► Properties and Advantages

Narrow section saves more efficiency

Greater horsepower than classical belt

High grade engineered rubber

Longer service life

Fewer tension loss

Temperature range from -50℃ to +120℃

Static conductive to ISO 1813

Oil, heat ozone and abrasion resistant.



► Applications

Compressors, fans, soil compactors

Pumps, wood working machines

High performance saws, special machines

Lathes and drills, grinders

► Structure

Outside fabric: polyester cotton canvas

Tensile member: polyester hard cord

Top rubber: cr

Buffer rubber: cr

Bottom rubber: cr

► Sections

Type	Top Width, b mm	Pitch Width mm	Height, h mm	Angel
XPZ	10	8	8	40°
XPA	13	1	10	40°
XPB	17	14	14	40°
XPC	22	19	18	40°
3VX(9N)	9.5	-	8	40°
5VX(15N)	16	-	13.5	40°
8VX(25N)	25.4	-	23	40°

► Features

TIANTE banded V belt for heavy duty industrial machinery and equipment with high strength, durability and performance.

► Properties and Advantages

Excellent operational safety

Narrow profile ribs provide saving through efficiency

Joined construction for problem drives

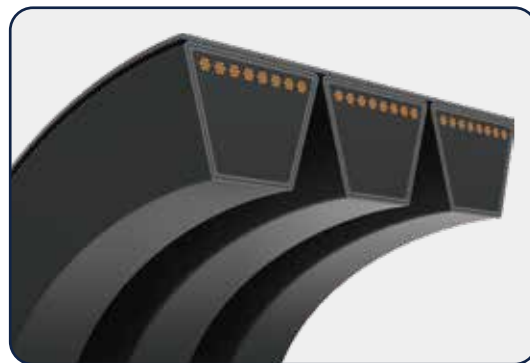
Up to 50% more horsepower capacity

Temperature range from -40 °C to +80 °C

Static conductive to ISO 1813

Oil, heat, ozone and abrasion resistant.

Reduced noise level



► Applications

Crushers, saw, screens

Lathes, sanders

Dryers, blow tanks

Chain drives, washers

► Sections one

Type	Top Width, b mm	Single Belt Height mm	Belt Height, h mm	Pitch Width mm	Length Range mm
AJ	13	8	10	15.88	1300-10000
BJ	16	10	13	19.05	1900-10000
CJ	22	13	17	25.4	1900-10000
DJ	32	19	21	36.53	1900-10000

► Sections two

Type	Top Width, b mm	Single Belt Height mm	Belt Height, h mm	Pitch Width mm	Length Range mm
9J	9.7	7.9	9.7	10.3	1300-10000
15J	15.7	13.5	15.7	17.5	1300-10000
25J	25.4	23	25.4	28.6	1900-10000
SPC	22	18	20	25.5	1900-10000

Banded V belt (Cogged or Non-Cogged)



► Features

Cogged banded V belt and non-cogged V belt can be produced for large drives.

► Properties and Advantages

Joined construction for problem drives

High grade engineered rubber

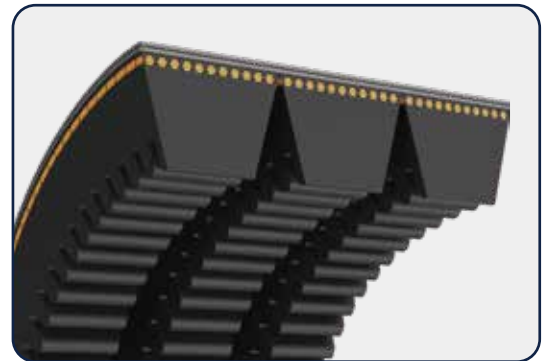
Longer service life

Higher capacity

Temperature range from -50 °C to +120 °C

Static conductive to ISO 1813

Oil, heat ozone and abrasion resistant.



► Sections one

Type	Top Width,b mm	Pitch	Single Belt Height mm	Higth
RAX	13	15.88	8	10
RBX	17	19.05	10	13
RCX	22	25.4	13	17
RDX	32	36.53	19	21

► Sections two

Type	Top Width,b mm	Pitch	Higth	Single Belt Height mm
R3VX	9.7	15.88	9.7	7.9
R5VX	15.7	19.05	15.7	13.5
R8VX	20.9	25.4	20.9	-
RXPZ	25.4	36.53	25.4	23
RXPA				
RXPB				
RXPC				

► Features

Poly rib V belt is ideal for high speed ratio drives with short center distance, and it's quite compact with limited vibration.

► Properties and advantages

More power in less space

Friction and wedge advantages for v ribbed section

High grade engineered rubber

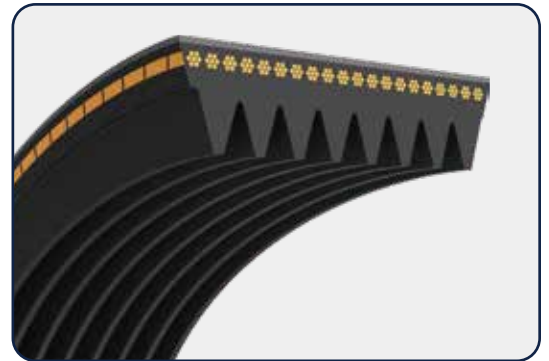
Longer service life

Fewer tension loss

Temperature range from -50℃ to + 120℃

Static conductive to ISO 1813

Oil, heat ozone and abrasion resistant.



► Applications

Milling machines and lathes, textile machines, spindle drives

Paper machines, fan drives

Washing machine, tumble drivers

Diy equipment.

► Structure

Outside fabric: polyester cotton canvas

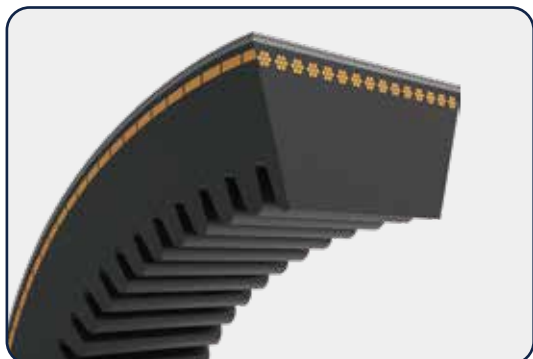
Tensile member: polyester hard cord

Top rubber: cr

Buffer rubber: cr

Bottom rubber: cr

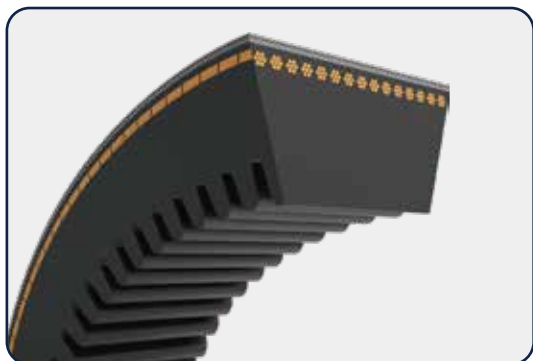
Type	Pb	Height,h, mm	No.of Ribs	Angle.of Rib
PH	1.6	3	2-55	40°
PJ	2.34	4	2-37	40°
PK	3.56	4-6	2-24	40°
PL	4.7	10	2-18	40°
PM	9.4	17	2-9	40°



➤ Variable Speed V Belt for agricultural applications:

Type	Top Width,b mm	Pitch Width mm	Height,h mm
HG	16.5	15.4	8.0
HH	20.4	19.0	10.0
HI	25.4	23.6	12.7
HJ	31.8	29.6	15.1
HDJ	33		18.5
HK	38.1	35.5	17.5
HL	44.5	41.4	19.8
HM	50.8	47.3	22.2
HN	57.2	53.2	23.9
HO	63.5	59.1	25.4

Type	Top Width,b mm	Height,h mm
25FV	25.0	13.0
32FV	32.0	15.0
38FV	38.0	18.0
44FV	44.0	20.0
51FV	51.0	22.0
57FV	57.0	24.0
63FV	63.0	26.0



➤ Variable Speed V Belt for agricultural applications:

Type	Top Width,b mm	Pitch Width mm	Height,h mm
W16	17	16	6
W20	21	20	7
W25	26	25	8
W31.5	42	40	13
W40	52	50	16
W50	52	50	16
W63	65	63	20
W80	83	80	26
W100	104	100	32

Type	Top Width,b mm	Pitch Width mm	Height,h mm
1022V	16	6	22°
1422V	22	8	22°
1922V	30	11	22°
2322V	36.5	12	22°
2926V	46	41	26°
4430V	70	17	30
4836V	76	22	36
6236V	100	26	36

► Features

Variable speed V belt for motorcycles, industrial and agricultural applications, especially designed for exact speed control and maximum range of speed change.

► Properties and advantages

Super strong tensile members

High horsepower capacity

High grade engineered rubber

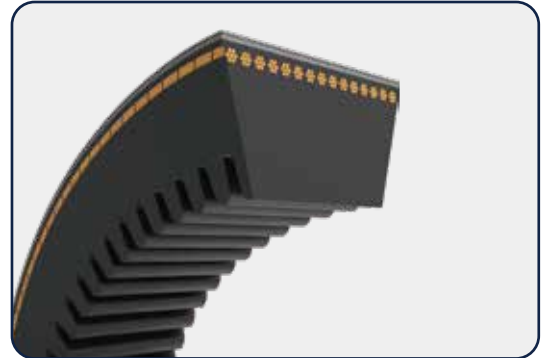
Longer service life

Fewer tension loss

Temperature range range from -50 °C to +120 °C

Static conductive to ISO 1813

Oil, heat, ozone and abrasion resistant.



► Applications

Motorcycles

Power equipment

Exercise equipment, medical equipment

Automobiles

Farm equipment, harvester

► Variable Speed V Belt for motorcycles:

Type	Top Width, b mm	Pitch Width mm	Height, h mm
VS17	17	8.5	30°
VS18	18	8	30°
Vs20	20	10	30°
VS22	22	11	30°

IOI

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IOI UNIVERSAL COMPANY LIMITED



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