陆桥橡胶
LAND BRIDGE

陆桥橡胶　传递美好

Land bridge rubber transmission is good

山东陆桥橡胶有限公司
SHANDONG LAND BRIDGE RUBBER CO., LTD

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Company Profile / 公司简介

Shandong Land bridge Rubber Co., Ltd. is located in Dawang Town, Guangrao County, Dong Ying city. The town is one of the top 100 towns of the nation in yellow river delta, famous for its historical name- Hometown of Sunwu. The company was established in May, 2020 with registered capital of CNY 82.58 million. The total investment of Langte is CNY 150 million with covering area 60000 square meters. The annual production ability in the field of rubber conveyor belts is 30 million square meters. Through integrating production and trade as a whole, Langte has become a trans-regional and cross-industry group company.

Land bridge has been certified by National Industrial Production License, Safety Certificate of Approval for Mining Products, QES, CE, MSHA & German TUV. And the company is the member of China Rubber Industry Association. Meanwhile, the company is also a member of drafting committee for national standards like GB/T31256-2014, GB/T10822-2014,GB/T30691-2014 and industrial standards of conveyor belt with properties of resistance to burning, acid and alkali.

Land bridge mainly produces steel cord reinforced conveyor belt, heat resistant conveyor belt , PVC/PVG mining conveyor belt, chevron conveyor belt, oil resistant conveyor belt, sidewall conveyor belt and multi-ply fabric conveyor belt. These products can be widely used to convey materials in coal industry, mines, metallurgic industry, port, electric power industry, grain industry, construction industry and traffic industry. Various products have been exported to Europe, America, Australia, Asia and etc. Besides superior conveyor belt products, Langte can also provide customers with serial services including model selection, installation and technical training. And a well trained after-sale team can fulfill customers' requests at any time.

In order to ensure constant high-level quality, Langte has applied strict QC system throughout the whole production process from raw material, semi-finished products to finished products by using advanced detection devices and technologies. Meanwhile, Langte has carried out the industry-university-research cooperation with Beijing University of Chemical Technology and Qingdao University of Science and Technology, so that the company owns the most advanced production technologies.

Land bridge adheres to principles of creating value for customers, providing staff with opportunities and being responsible for society. Through basing on the domestic market and exploring the international environment, Langte strives for forging itself a way to become a modern as well as scientific and technological enterprise!Langte strives for forging itself a way to become a modern as well as scientific and technological enterprise!

公司简介/COMPANY

山东陆桥橡胶有限公司位于黄河三角洲、孙武故里、全国百强镇东营市广饶县大王镇，公司成立于2020年5月，注册资金8258万元，公司总投资1.5亿元，占地60000平方米，橡胶输送带年生产能力3000万平方米，目前形成了集生产和贸易为一体的跨地区、跨行业的集团性公司。

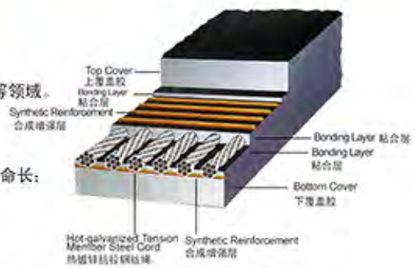
公司已通过全国工业品生产许可证、国家矿用产品安全标志证书、QES三合一体系认证、CE国际质量体系认证、美国MSHA认证、德国TUV认证，是中国橡胶协会会员单位，同时公司还是GB/T31256-2014、GB/T10822-2014、GB/T30691-2014国家标准及耐灼烧、耐酸碱输送带行业标准的起草单位。

公司主导产品有钢丝绳强力带、耐热带、PVC/PVG矿用带、花纹带、耐油带、挡边带和织物芯分层带等，产品可广泛应用于煤炭、矿山、冶金、港口、电力、粮食、建设和交通行业的物料输送，公司产品已出口到欧洲、美洲、澳洲、亚洲等国家和地区。公司在为客户提供优质输送带产品的同时，也为客户提供从选型到安装以及技术培训等一条龙服务，公司拥有一支训练有素的售后服务团队，随时可为客户提供服务。

公司拥有先进的检测设备，实验手段先进，可确保从原材料、半成品到产成品全过程得到高质量的检测和控制，以确保用户得到质量始终如一的产品。公司同时与北京化工大学、青岛科技大学进行“产学研”合作，积极掌握最前沿的先进生产技术。

公司秉承为顾客创造价值，为员工提供机会，为社会承担责任的企业使命，立足于国内市场，积极开拓国际市场，为全力打造现代化的科技型企业而努力！

钢丝绳芯输送带 Steel Cord Conveyor Belt



应用：钢丝绳芯输送带广泛应用于集散场合，如水泥、煤矿、采石场、矿山、发电厂、冶金、港口和化工等领域。

产品优势：拉伸强度大，使用伸长率小，抗冲击，成槽性好，适用于长距离、大运量和高速度物料输送。

- 比同等强度的织物芯输送带曲挠性好，要求的滚筒直径小；
- 采用镀锌开放式钢丝绳和与钢丝绳有优良粘合性能的胶料，使钢丝绳与芯胶紧密结合，耐冲击，使用寿命长；
- 采用先进生产工艺，钢丝绳排列均匀，张力一致，运行平衡，不易跑偏；
- 根据客户特殊要求加入一层或两层防撕裂网，以减少输送带纵向上的撕裂。

Applications：The Steel Cord Conveyor Belt is widely used in distributed occasions, such as cement industry, coal mines, quarries, minings, electric power plants, metallurgic industry, ports and chemical industry, etc.

Advantages：The belt has properties of high tensile strength, low elongation, impact resistance and good troughability. It's available for long-distance, large-capacity and high-speed transportation of materials.

- Better flexure than the multi-ply fabric belt with the same strength; smaller diameters for the required pulley.
- Using galvanized open steel cords and rubber materials with a property of good adhesion, which creates a good combination between the steel and the core rubber. And the belt can show good impact resistance and have a long working life.
- With advanced manufacturing techniques, steel cords are evenly arranged with the same tension. Therefore, the belt can run well and avoid drift.
- One or two layers of anti-tear materials are added to the products according to customers' special requests in order to decrease the possibilities of tear within longitudinal range.

ST/S 系列钢丝绳芯输送带主要技术参数 Technical Data for Steel Cord Conveyor Belt

规格 Specification / 技术参数 Technical Data	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	ST/S 6300	ST/S 7000	ST/S 7500
纵向拉伸强力（N/mm） Tensile Strength	630	800	1000	1250	1600	2000	2500	2800	3150	3500	4000	4500	5000	5400	6300	7000	7500
钢丝绳最大公称直径（mm） Max Diameter of Cord	3.0	3.5	4.0	4.5	5.0	6.0	7.2	7.5	8.1	8.6	8.9	9.7	10.9	11.3	12.8	13.5	15.0
钢丝绳间距（mm） Pitch of Cord	10±1.5	10±1.5	12	12	12	12	15	15	15	15	15	16	17	17	18	19	21
上覆盖胶厚度（mm） Top Rubber Cover Thickness	5	5	6	6	6	8	8	8	8	8	8	8	8.5	9	10	10	10
下覆盖胶厚度（mm） Bottom Rubber Cover Thickness	5	5	6	6	6	8	8	8	8	8	8	8	8.5	9	10	10	10
宽度（mm） Width	钢丝绳根数 Cord Number																
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	48	49	45
1200	113	113	94	94	94	94	76	76	76	77	77	71	66	66	58	59	54
1400	133	133	111	111	111	111	89	89	89	90	90	84	78	78	68	69	63
1600	151	151	126	126	126	126	101	101	101	104	104	96	90	90	78	80	72
1800	171	171	143	143	143	143	114	114	114	117	117	109	102	102	88	90	82
2000	196	196	159	159	159	159	128	128	128	130	130	121	113	113	98	101	91
2200	216	216	176	176	176	176	141	141	141	144	144	134	125	125	108	111	100
2400	236	236	193	193	193	193	155	155	155	157	157	146	137	137	118	121	109
2600	256	256	209	209	209	209	168	168	168	170	170	159	149	149	128	131	119
2800	276	276	230	230	230	230	184	184	184	194	194	171	161	161	138	142	129
3000	296	296	247	247	247	247	198	198	198	198	198	185	174	174	148	152	138
3200	316	316	264	264	264	264	211	211	211	211	211	198	186	186	158	162	147

胶带重量根据厚度、密度变化

说明：输送带单卷长度100m~1500m，受厚度、宽度、运输及安装条件的限制，单卷长度由供需双方协商确定。

Belt weight varies from different rubber cover thickness and density.

Notes: 100m~1500m per roll.

The length of each roll should be negotiated by both sides due to limitations of thickness, width, as well as conditions of transportation and installation.

DIN22131钢丝绳芯输送带主要技术参数表 Technical Data for Steel Cord Conveyor Belt According to DIN22131

规格 Specification / 技术参数 Technical Data		ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400
最小拉伸强力 Tensile Strength (N/mm)		1000	1250	1600	2000	2500	3150	3500	4000	4500	5000	5400
钢丝绳最大公称直径 Max.Diameter of Cord (mm)		4.1	4.9	5.6	5.6	7.2	8.1	8.6	8.9	9.7	10.9	11.3
钢丝绳间距 Pitch of Cord (mm)		12	14	15	12	15	15	15	15	16	17	17
上覆盖胶厚度 Top Rubber Cover Thickness (mm)		4	4	4	4	5	5.5	6.5	7	7.5	8	9
下覆盖胶厚度 Bottom Rubber Cover Thickness (mm)		4	4	4	4	5	5.5	6.5	7	7.5	8	9
宽度 Width (mm)		钢丝绳根数 Cord Number										
宽度规格 Width (mm)	极限偏差 Tolerance (mm)											
500	±5	39	34	-	-	-	-	-	-	-	-	-
650	±7	51	44	-	-	-	-	-	-	-	-	-
800	±8	64	55	50	64	-	-	-	-	-	-	-
1000	±10	81	69	64	81	64	64	64	64	59	55	55
1200	±10	97	84	77	97	77	77	77	77	71	66	66
1400	±12	114	98	90	114	90	90	90	90	84	78	78
1600	±12	131	112	104	131	104	104	104	104	96	90	90
1800	±14	147	127	117	147	117	117	117	117	109	102	102
2000	±14	164	141	130	164	130	130	130	130	121	113	113
2200	±15	181	155	144	181	144	144	144	144	134	125	125
2400	±15	197	169	157	197	157	157	157	157	146	137	137
2600	±15	214	184	170	214	170	170	170	170	159	149	149
2800	±15	231	198	170	214	170	170	170	170	159	149	149
3000	±15	247	212	197	247	197	197	197	197	184	172	172
3200	±15	264	227	210	264	210	210	210	210	196	184	184

覆盖胶性能及级别 Rubber Cover Property and Grades

试验项目 Test Items		性能指标 Property Indexes					
		GB9770-2013			DIN22131		
		D	H	L	W	X	Y
拉伸强度 Tensile Strength	Mpa≥	18	24	15	18	25	20
扯断伸长率 Elongation at Break	%≥	400	450	350	400	450	400
拉伸强度（扯断伸长率）中值 Mid Value of Tensile Strength (Elongation at break)	%≥	75	75	75	-25~+25	-25~+25	-25~+25
磨耗量 Abrasion	≤mm³	100	120	200	90	120	150

钢丝绳输送带的执行标准及主要指标 Technical Data of Steel Cord Conveyour Belt

类型 Type	标准及主要指标 Standard and Main Technical Data
普通型 Conventional	GB/T9770,DIN22131,JIS6369,AS1333
阻燃型 Fire Resistance	MT668,HG2539,DIN22131
一般难燃型 Conventional Fire Reistance	HG2539,DIN22103,DIN222131
耐热型 Heat Resistance	GB/T20021,ISO4195
耐磨型 Abrasion Resistance	邵泊尔磨耗量（Shore Abrasion)≤90mm³ DIN22131-W，邵泊尔磨耗量（Shore Abrasion)≤70mm³ AS1333-A
耐酸、碱、油型 Acid ,Alkali&Oil Resistance	HG/T3782,HG/T3714,RMA(MOP,OR)
耐寒型 Cold Resistance	HG/T3647
耐臭氧型 Ozone Resistance	臭氧浓度（Ozone Density)50PPHM 40℃/72h 不龟裂（No Crack）

建议钢丝绳输送带使用的输送机的最小滚筒直径 Minimum Pulley Diameter

Type	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400	ST6300	ST7000	ST7500
Min.Pulley Diameter(mm)	800				1000		1250	1400	1600		1800	2000				

国标规格系列及主要技术参数 International Specifications & Main Technical Data

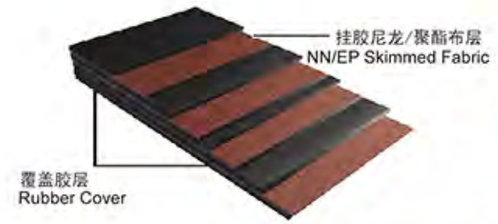
带型号 belt type		500	630	800	1000	1250	1400	1600	1800	2000	2250	2500	2800	3150	3500	4000	4500	5000	5400	6300	7000	7500
最小拉断强度 K_{Nmin} (N/mm)		500	630	800	1000	1250	1400	1600	1800	2000	2250	2500	2800	3150	3500	4000	4500	5000	5400	6300	7000	7500
钢丝绳最大直径 d_{max} mm		3.0	3.0	3.5	4.0	4.5	5.0	5.0	5.6	6.0	5.6	7.2	7.2	8.1	8.6	8.9	9.7	10.9	11.3	12.8	13.5	15.0
钢丝绳最小拉断力 $F_{ba\,min}$ KN		7.6	7.0	8.9	12.9	16.1	20.6	20.6	25.5	25.6	26.2	40.0	39.6	50.5	56.0	63.5	76.3	91.0	98.2	130.4	142.4	166.7
钢丝绳间距 t mm		14.0	10.0	10.0	12.0	12.0	14.0	12.0	13.5	12.0	11.0	15.0	13.5	15.0	15.0	15.0	16.0	17.0	17.0	19.5	19.5	21.0
覆盖层最小厚度 s_{min} mm		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.5	6.0	6.5	7.0	7.5	8.0	10.0	10.0	10.0
带宽 B mm	极限偏差 mm	钢丝绳根数 n																				
500	+ 10/-5	33	45	45	39	39	34	39	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
650	+ 10/-7	44	60	60	51	51	45	51	46	52	56	41	46	41	41	41	39	36	N/A	N/A	N/A	N/A
800	+ 10/-8	54	75	75	63	63	55	63	57	63	69	50	57	50	50	51	48	45	45	N/A	N/A	N/A
1000	±10	68	95	95	79	79	68	79	71	79	86	64	71	64	64	64	59	55	55	N/A	N/A	N/A
1200	±10	83	113	113	94	94	82	94	85	94	104	76	85	76	77	77	71	66	66	58	59	54
1400	±12	96	133	133	111	111	97	111	100	111	122	89	99	89	90	90	84	78	78	68	69	64
1600	±12	111	151	151	126	126	111	126	114	126	140	101	114	101	104	104	96	90	90	78	80	73
1800	±14	125	171	171	143	143	125	143	129	143	159	114	128	114	117	117	109	102	102	89	90	83
2000	±14	139	191	191	159	159	139	159	144	159	177	128	143	128	130	130	121	113	113	99	100	92
2200	±15	153	211	211	176	176	154	176	159	176	195	141	158	141	144	144	134	125	125	109	110	102
2400	±15	167	231	231	193	193	168	193	174	193	213	155	173	155	157	157	146	137	137	119	119	110
2600	±15	181	251	251	209	209	182	209	189	209	231	168	188	168	170	170	159	149	149	129	129	120
2800	±15	196	271	271	226	226	197	226	203	226	249	181	202	181	183	183	171	161	161	139	139	129
3000	±15	210	291	291	243	243	211	243	218	243	268	195	217	195	195	195	183	172	172	149	149	139
3200	±15	224	311	311	260	260	225	260	233	260	286	208	232	208	208	208	196	184	184	160	160	149

注：N/A—由于成槽性的缘故而不适用 N/A due to troughability

聚酯（EP）输送带 EP Conveyor Belt

骨架受力体为EP帆布（纵向为聚酯，横向为尼龙）。具有带体轻、模量高、耐冲击、使用伸长率小、弹性小、成槽性好、耐潮湿和防虫蛀等特点。适用于中长距离较高载量、高速条件下输送物料。

The carcass is EP canvas (the warp is polyester and the weft is polyamide). With advantages of light wieght, high modulus, good impact resistance, low elongation, weak elasticity, good troughability, anti-humidity and anti-insect, it is suitable for transportation in medium or long distance with heavy load under the high-speed working condition.



应用 Applications

- 散装物料、行李输送、水泥、煤矿、铸造业、谷物、采石场、采沙场、木材、钢厂等。
- Available for conveying of bulk materials and baggage, meanwhile, the belt is widely used in cement industry, coal mines, foundries, grain industry, quarries, sandpits, wood industry and steel industry, etc.

产品优势 Advantages

- 伸长率小
- 高模量、成槽性好
- Low elongation
- High modulus and good troughability

规格及主要技术参数 Main Technical Data

纵向拉伸强度(N/mm) Total Tensile Strength	织物型号 Fabric Type	上盖胶厚度（mm） Top Cover Thickness			下盖胶厚度（mm） Bottom Cover Thickness	
200-800	EP100	3.0	4.5	6.0	1.5	3.0
315-1250	EP150	3.0	4.5	6.0	1.5	3.0
400-1500	EP200	3.0	4.5	6.0	1.5	3.0
500-2000	EP250	3.0	4.5	6.0	1.5	3.0
500-2000	EP300	3.0	4.5	6.0	1.5	3.0
630-2500	EP400	3.0	4.5	6.0	1.5	3.0

覆盖胶性能（德国标准DIN22102）Rubber Cover Property （DIN22102）

项目 Item	单位 Unit	覆盖胶性能 Rubber Grade			
		W	X	Y	Z
拉伸强度 Tensile Strength≥	N/mm^2	18	25	20	15
拉断伸长率 Elongation at Break ≥	%	400	450	400	350
磨耗量 Abrasion ≤	mm^3	90	120	150	250

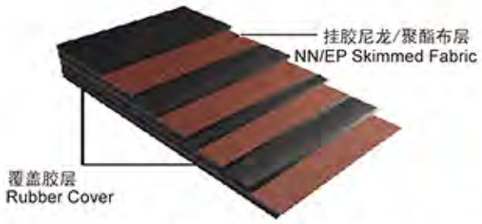
粘合强度（德国标准DIN22102）单位：N/mm Adhesion between Layers （DIN22102）Unit：N/mm

项目 Item	布与布粘合强度 (N/mm) Adhesion between Fabrics	胶与布粘合强度 Adhesion between Rubber and Fabric (N/mm)	
		覆盖胶(Cover)≤1.5mm	覆盖胶(Cover)>1.5mm
最高值 (Max.)≤	20	20	20
平均值 (Average)≥	5	3.5	4.5
最低值 (Min.)≥	4	2.5	3.5

推荐最小滚筒直径（因供参考）Recommended Min. Drum Diameter (for Reference Only)

织物型号 Fabric Type	推荐使用的输送带最小滚筒直径 Min.Drum Diameter Recommended（mm）						
	2层/Plies	3层/Plies	4层/Plies	5层/Plies	6层/Plies	7层/Plies	8层/Plies
EP100	200	250	315	400	500	630	800
EP150	250	400	500	630	800	1000	1250
EP200	315	500	630	800	1000	1250	1400
EP250	400	630	800	1000	1250	1400	1600
EP300	500	630	800	1000	1250	1400	1600
EP400	630	800	1000	1250	1400	1600	1800

尼龙（NN）输送带 NN Conveyor Belt



应用 Applications

- 散装物料、行李输送、水泥、煤矿、铸造业、谷物、采石场、采沙场、木材、钢厂
- Available for conveying of bulk materials and baggage, meanwhile, the belt is widely used in cement industry, coal mines, foundries, grain industry, quarries, sandpits, wood industry, steel industry, etc.

产品优势 Advantages

- 高模量、高抗张力
- 耐冲击性能好成槽性好
- High modulus and high resistance to tension
- Impact resistance and good troughability

骨架受力体为NN帆布（纵向和横向均为尼龙）。同样具有带体轻、模量高、使用伸长率小、弹性好和成槽性好等特点。用于中长距离和冲击性较大，磨损较重的条件下输送物料。

The carcass is NN canvas (both the warp and the weft are Nylon fabric). Compared with the EP belt, the NN belt carries the advantages of light weight, high modulus, good impact resistance, low elongation, good elasticity and good troughability. It is suitable for transportation in medium or long distance under conditions of big impact and heavy abrasion.

规格及主要技术参数 Main Technical Data

纵向拉伸强度 (N/mm) Total Tensile Strength	织物型号 Fabric Type	上盖胶厚度 (mm) Top Cover Thickness			下盖胶厚度 (mm) Bottom Cover Thickness	
200-800	NN100	3.0	4.5	6.0	1.5	3.0
250-1000	NN150	3.0	4.5	6.0	1.5	3.0
315-1250	NN200	3.0	4.5	6.0	1.5	3.0
400-1600	NN250	3.0	4.5	6.0	1.5	3.0
500-2000	NN300	3.0	4.5	6.0	1.5	3.0
630-2500	NN400	3.0	4.5	6.0	1.5	3.0

覆盖胶性能（德国标准DIN22102）Rubber Cover Property (DIN22102)

项目 Item	单位 Unit	覆盖胶性能 Rubber Grade			
		W	X	Y	Z
拉伸强度 Tensile Strength≥	N/mm^2	18	25	20	15
拉断伸长率 Elongation at Break ≥	%	400	450	400	350
磨耗量 Abrasion ≤	mm^3	90	120	150	250

粘合强度（德国标准DIN22102）单位：N/mm Adhesion between Layers (DIN22102) Unit: N/mm

项目 Item	布与布粘合强度 (N/mm) Adhesion between Fabrics	胶与布粘合强度 Adhesion between Fabric and Rubber (N/mm)	
		覆盖胶(Cover)≤1.5mm	覆盖胶(Cover)>1.5mm
最高值 Max. ≤	20	20	20
平均值	5	3.5	4.5
最低值 Min. ≥	4	2.5	3.5

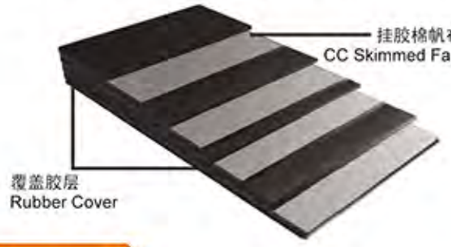
推荐最小滚筒直径（因供参考）Recommended Min. Drum Diameter (for Reference Only)

织物型号 Fabric Type	推荐使用的输送带最小滚筒直径 Min.Drum Diameter Recommended (mm)						
	2层/Plies	3层/Plies	4层/Plies	5层/Plies	6层/Plies	7层/Plies	8层/Plies
NN100	200	250	315	400	500	630	800
NN150	200	250	315	400	500	630	800
NN200	250	315	400	500	630	800	1000
NN250	315	400	500	630	800	1000	1250
NN300	400	500	630	800	1000	1250	1400
NN400	500	630	800	1000	1250	1400	1600

棉帆布输送带 Cotton Conveyor Belt

骨架受力体为棉布（纵向和横向均为面或涤棉），适用于一般条件下块状、粒状、粉状的物料和成件物品的输送，在温度较高的环境下也具备较好的性能。

The carcass is cotton fabric (both the warp and the weft are cotton), it is suitable for conveying materials in the shapes of lump, granule, powder and bagged articles, meanwhile, it has a good performance under the condition of high temperature.



应用 Applications

- 散装物料、行李输送、水泥、煤矿、铸造业、谷物、采石场、采沙场、木材、钢厂等。
- Available for conveying of bulk materials and baggage, meanwhile, the belt is widely used in cement industry, coal mines, foundries, grain industry, quarries, sandpits, wood industry, steel industry, etc.

产品优势 Advantages

- 耐疲劳性能好
- 使用伸长小
- 耐磨性能好
- Good performance of fatigue resistance
- Low elongation
- Good performance of anti-abrasion

规格及主要技术参数 Main Technical Data

织物类型 Fabric Type	织物构造 Fabric Structure		胶布厚度 (mm/P) Ply Thickness	强度系列 (N/mm) Tensile Strength					覆盖胶厚度 (mm) Cover Thickness		宽度范围 (mm) Width Range
	经 Warp	纬 Weft		2层 Plies	3层 Plies	4层 Plies	5层 Plies	6层 Plies	上覆盖胶 Top Cover	下覆盖胶 Bottom Cover	
全棉 CC-56	棉 (C)	棉 (C)	1.10	112	168	224	280	336	2-8	0-4.5	400-2200
涤棉 TC-70	涤棉 (TC)	棉 (C)	1.0	140	210	280	350	420	1.5-8	0-4.5	400-2200

覆盖胶性能 Rubber Cover Property

覆盖胶级别 Rubber Grade	拉伸强度 Tensile Strength≥	扯断伸长率 Elongation≥	磨耗量 Abrasion ≤	老化后拉伸强度和扯断伸长率变化率 Change Rate of Tensile Strength and Elongation at Break after Aging
	Mpa	%	mm^3	%
I	15	350	200	-30~+30
II	10	300	250	

粘合强度 单位：N/mm Adhesion between Layers Unit: N/mm

骨架材料 Carcass	粘合强度 Adhesion			延伸性能 Elongation	
	布层间 (N/mm) Adhesion between Fabrics	覆盖层与布层间 (N/mm) Adhesion between Fabric and Rubber		全厚度纵向扯断伸长率 Longitudinal Elongation at Break% ≥	全厚度纵向参考力伸长率 Longitudinal Elongation% ≤
		覆盖层厚度 Cover Thickness ≤ 1.5mm	覆盖层厚度 Cover Thickness > 1.5mm		
全棉、涤棉帆布 Cotton and T/C Canvas	≥ 2.70	≥ 2.4	≥ 2.7	10	4

挡边输送带 Corrugated Sidewall Conveyor Belt

当场地受限或需要大倾角提升物料时，为了防止输送物料的散落，一般会选择大倾角波状挡边输送带，此种输送带可以在垂直状态下运行，也可以在0°~90°任意角度运行，允许大量运载和重载运输。

When lifting materails at a large slope, sidewall conveyor belt is always being selected. Sidewall conveyor belt is used to avoid material spilling. This system can convey materials vertically and also can work at a large slope from 0 degree to 90 degrees, and allow heavy load material conveying.

应用 Applications

- 港口、冶金业、矿山、电力、煤炭业、铸造业、建筑业、粮食业、水泥、化肥等行业。
- Harbors, metallurgic industry, mining, electric power plants, coal industry, foundries, architecture, grain industry, cement industry, fertilizer industry, etc.

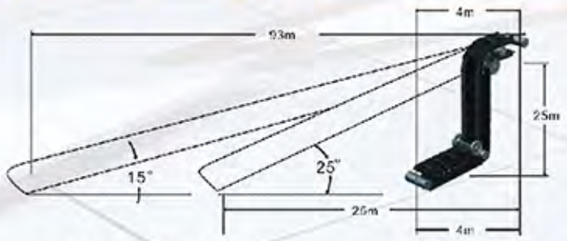
骨架材质 Material of Carcass

- 带体的骨架材质有聚酯（EP），尼龙（NN），全棉（CC），客户可以根据自己的要求进行灵活选择。
- The carcass of the base belt can be EP, NN or CC fabric, clients can choose freely from them according to their own requests.

产品优势 Advantages

- 维护费用低
- 输送量大，并有效防止了物料的散落
- 输送带可沿水平到倾斜和倾斜到水平方向灵活输送
- 因为输送物料时可以在0°~90°任意角度运行所以大大节省了空间和场地。
- Low maintenance cost
- Large carrying capacity, and it can effectively avoid materials from spilling
- The belt can convey materials from the horizontal to the inclined or vice verse freely
- It saves large space as it allows material to be conveyed at any angles from 0°~90°

产品展示图 Product Sketch



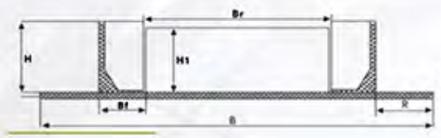
大倾角皮带场地节约示例
Illustration of Ground Saving Ability of the Vertical Conveyor System

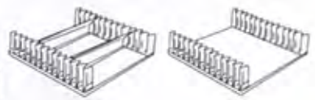
裙边 Sidewall

隔板 Cleats

技术参数 Technical Data

基带宽 B (mm) Base Belt Width	挡边高 H (mm) Sidewall Height	横隔板 H1(mm) Cleat Height	Bf (mm)	Br (mm)	R (mm)
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	280	105	630	
1400	200	180	75	830	210
	240	220			
	300	280	105	770	
	400	360			
1600	200	180	75	970	240
	240	220			
	300	280	105	910	
	400	360			
1800	240	220	75	1110	270
	300	280	105	1050	
	400	360			
	500	460	125	1010	





高耐磨节能型输送带
High Wear Resistance and Energy-saving Conveyor Belt

产品优势 Advantages

- 通过输送带带体轻量化、提高橡胶弹性和降低橡胶摩擦系数等措施，较大的降低输送带运行中输送机装置对胶带表面产生的运行阻力，并具有合理的传动摩擦系数，达到节约用电10~15%的效果。
- 表面覆盖层弹性高，耐磨性能优异，使传输带耐磨、抗冲击，延长使用寿命。
- Through lightening the weight of the belt, improving the rubber elasticity and reducing the rubber friction coefficient etc., we largely reduce the resistance from the conveyor to the belt surface when running, meanwhile, a reasonable transmission coefficient of friction is available, which generates energy savings from 10~15%.
- The surface coating is highly elastic with excellent wear resistance which gives the conveyor belt properties of wear resistance, impact resistance and a long working life.

规格及主要技术参数 Main Technical Data for Reference

覆盖层级别 Cover grade	代 号 Code	拉伸强度≥ Tensile strength	拉断伸长率≥ Elongation	磨耗量≤ Abraion	70℃×7h老化后拉伸强度和扯断伸长中值不小于 The ratio between Mid Values of Tensile Strength & Elongation at break after 70°C×7 aging test <
		≥	≥	≤	
		Mpa	%	mm³	%
强裂痕性 Strong crack-type	H	24	450	120	75
强磨损型 Strong wear-type	D	18	400	100	75
一般型 General type	L	15	350	200	75

管状输送带 Pipe Conveyor Belt

结构特点及用途 Features of Structures and Applications

- 骨架受力体为单层、多层化纤帆布或钢丝绳，在带体两侧采用特殊的生产工艺，使成品带具有适当的横向刚性，易于成管型且不疲劳，用于水泥厂、码头、电厂、化肥厂等需要封闭输送物料的场合。
- The carcass is single or multi-ply chemical fiber canvas or made of steel cord. The special manufacturing technique is applied to both edges of the belt, which generates proper lateral stiffness to form into the shape of the pipe with fatigue resistance. The belts can be widely used to convey materials in a sealed way in relative situations, such as cement industry, ports, electric power plants and fertilizer industry etc.

产品种类细分 Classifications of Pipe Belt

根据骨架受力体不同，管状输送带可分为：

- 化纤织物芯管状带
- 钢丝绳芯管状带

According to different carcasses, the pipe belt can be divided as below,

- Chemical fiber fabric pipe belt
- Steel cord pipe belt

规格及主要技术参数 Main Technical Data for Reference

管形公称直径 (mm) Nominal Pipe Dia	宽度 (mm) Width	重叠部分长度 (mm) Size of Verlap	实际直径 (mm) Actual Pipe Dia	70%填充时横截面积(m²) Loading Area at 70%	带速 2m/s 下的量 Capability at Speed 2m/s	所运物料最大颗粒 Lump Size(Max)
100	430	115	100.27	0.005	0.005	40
150	600	129	143.24	0.011	0.011	80
200	780	122	186.21	0.019	0.019	100
250	900	215	279.18	0.028	0.028	130
300	1050	158	286.48	0.045	0.045	150
350	1300	201	343.77	0.064	0.064	180
400	1600	244	401.07	0.088	0.088	200
450	1650	237	458.37	0.115	0.115	220
500	1900	330	507.5	0.145	0.145	230
600	2250	330	609	0.205	0.205	250

- 注：*以上参数基于化纤织物芯管状输送带
  需提供输送机系统的详细参数，以确定适合于输送系统的管状输送带

Note：The parameters above are based on textiletube belting
Details of conveyor systems should be provided when deciding the pipe belt specifications that suits the conveyor systems.

- 钢丝绳管状带请与技术部接洽
  产品规格表示
  TUB：管状输送带代号
  NP：管状输送带骨架材质代号

For the steel cord pipe belt，please contact with Technical Department.
Specification code
TUB：Code of pipe belting
NP：Code basic strength materials

耐热输送带 Heat Resistance Conveyor Belt

为了达到耐热的要求，本产品在设计和生产过程中采用高模量、低收缩、扯断强度极高的耐高温帆布作为骨架材料，选用耐高温性能优异的三元乙丙胶或氯化丁基橡胶作为覆盖层，并配合其他耐高温材料进行复合成型、硫化等工序精制而成。解决了高温环境下织物芯的收缩和变形的问题，同时也避免了因乙丙橡胶饱和度高易导致粘合性能差、层间附着力低等关键问题的产生。产品具有耐热性能好、伸长变形小、带体轻及使用寿命长等特点。

Hot transported material can very easily damage the conveyor belt. To prevent possible damages, special high temperature resistance canvas with high modulus, low shrink and high breaking tensile strength is adopted as carcass. And EPDM rubber or Chloro-butyl rubber with good heat-resistant performance is used as cover rubber. By mixing some other high-temperature resistance materials and with advanced technique, the belt made better performance in heat resistance. That not only solves the fabric shrinkage and deformation problems, but also avoids crucial poor adhesion problem caused by high degree of saturation of ethylene propylene rubber. The belt is excellent in heat resistance, low elongation, light and with longer using life, etc.

应用 Applications

- 适用于水泥、焦化、冶金、钢铁等工业。
- Cement industry, coking industry, metallurgic industry, steel industry,etc.

在选择耐热带的时候，可参考以下两种情况选择适合的型号：
Two circumstances are suggested to be considered when choosing proper belts,

- 运送物料种类及颗粒大小不同，输送带表面温度会有差异。块状的物料如焦炭、铁矿等因有缝隙而使空气对流，从而使皮带表面的温度比输送物料的温度低。
- 在运送较小颗粒或者粉状物料时，如水泥、铝、炭黑等，被运送物体本身的温度与皮带表面的温度几乎没有差异，在此种情况下选择皮带时，不仅要知道运送物料的温度，还要了解实际操作时输送带表面的受热状情况。
- The different kinds and sizes of the granules of carrying materials will lead to different temperatures of the belt surface. The temperature of the surface of the belt is lower than that of the materials as there exist gaps among lumps of cokes or iron ores when conveying, and the gaps lead to air convection.
- The temperatures between carrying materials and the belt surface almost remain the same level when materials are in a small size of granules or in powder, such as cement, aluminum, carton black etc. Choosing a belt under such circumstance, not only the temperature of the carrying materials has to be known, but also the heated status of the belt surface has to be learnt during the practical operation.

物理性能指标：Physical property index

项目 Item		类别 Class			
		T1	T2	T3	T4
		试验温度 Test temperature			
		≤100℃	≤125℃	≤150℃	≤175℃
		允许变化范围 Change range allowed			
硬度 Hardness	老化后与老化前之差 Difference before and after aging(IRHD)	+20	+20	±20	±20
	老化后的最大值 Maximum value after aging(IRHD)	85	85	85	85
拉伸强度 Tensile Strength	性能变化率 Change rate of property%	-25	-30	-40	-40
	老化后最低值 Minimum value after aging/Mpa	12	10	5	5
拉断伸长率 Breaking Elongation	老化后变化率 Change rate after aging/%	-50	-50	-55	-55
	老化后最低值 Minimum value after aging/%	200	200	180	180

花纹输送带 Chevron Conveyor Belt

应用 Applications

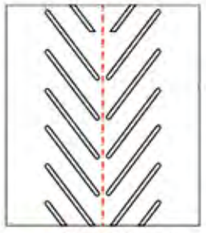
- 花纹输送带适用于在有坡度的场所输送含有水分或是松散的或是袋装物料。花纹设计有效防止输送物料的滑落，大幅度提高输送效率。应用于采石场、采沙场、水泥厂、石灰厂、农场、盐矿以及移动破碎和筛选设备等。
- The Chevron Conveyor Belt is used to convey materials under wet, loose or bagged conditions on slopes. The patterns on the surface can keep the carrying materials from slide and largely increase the efficiency of conveying. It's used in quarries, sandpits, cement industry, lime industry, farms , salt mines, as well as mobile crushers and screening equipment.

产品优势 Advantages

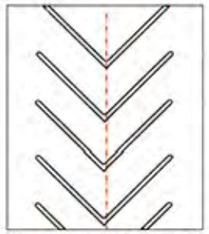
- 对于散装物料提升高度可达到17~18度，袋装物料可达到30~50度。
- 花纹及花纹间距设计可使输送带回程保持平衡。
- 花纹和基带一次硫化，粘合强力更好，使用寿命更长。
- Bulk materials can be conveyed at angles of 17~18 degrees and bagged materials can be conveyed at angles of 30~50 degrees.
- Cleats and pitches are designed to keep balanced for the return path.
- Cleats and the base belt are vulcanized as a whole, which shows a good performance of adhesion and generate a long working life.

规格 Specifications

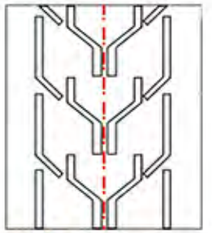
- 开口V，闭口V，L型，H型，Y型，A型和F型等。可以根据客户要求另行开发设计新的花纹样式。
- Open V, Closed V, L Type, H Type, Y Type, A Type and F Type, etc. And new patterns can be developed for customers according to special requests.



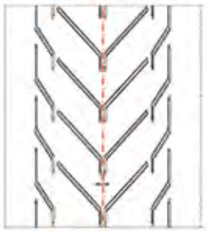
■ 开口V Open V



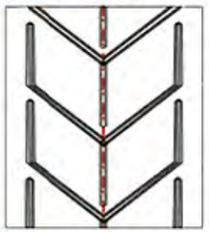
■ 闭口V Closed V



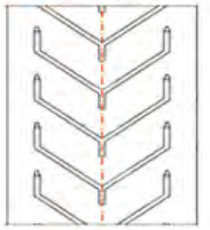
■ L型 L Type



■ A型 A Type

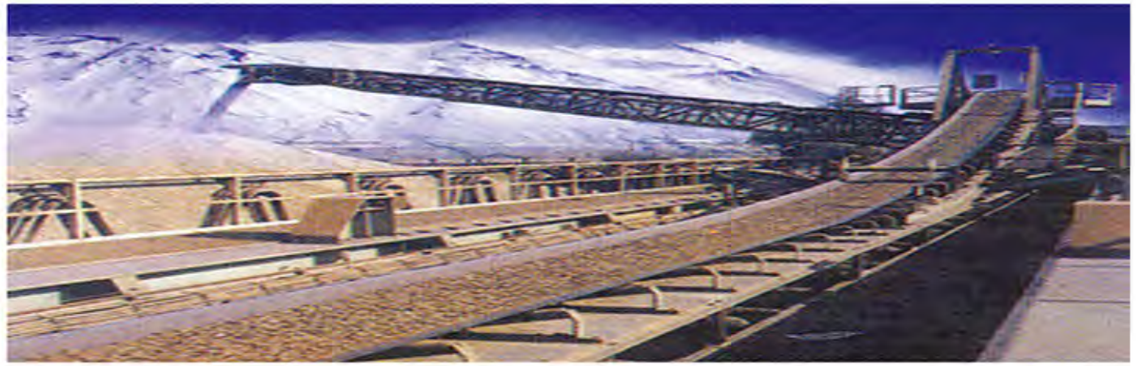


■ Y型 Y Type



■ H型 H Type

耐寒输送带 Cold Resistance Conveyor Belt



选用棉帆布、尼龙帆布、聚酯帆布作为带芯。覆盖胶采用天然橡胶与顺丁橡胶的并用胶，具有弹性高，耐冲击，耐寒性等特点，能在-45℃以上的低温下正常使用。

Choose cotton, nylon, or EP canvas as the carcass and use a blend of NR and BR as the cover, which generates the belt with good elasticity, impact resistance and cold resistance. It can work normally above -45℃.

应用 Applications

- 适用于寒冷地区露天或冷冻仓库等场合输送物料。
- Suitable for conveying materials outdoors in cold areas or refrigerant warehouse, etc.

产品优势 Advantages

- 耐寒性能好
- 耐冲击
- 弹性高
- Good performance of cold resistance
- Impact resistance
- Good elasticity

覆盖胶性能（HG/T3647-1999） Rubber Cover Property（HG/T3647-1999）

项目 Item	单位 Unit	H	D	L
拉伸强度 Tensile Strength≥	N/mm²	24	18	15
拉断伸长率 Elongation at Break≥	%	450	400	350
老化试验(70℃, 7 天) Aging Test (70℃, 7D)	-	-	-	-
拉伸强度变化率 Change Rate of Tensile Strength	%	±25	±25	±25
拉断伸长率变化率 Change Rate of Elongation at Break	%	±25	±25	±25
磨耗量 Abrasion≤	mm³	120	100	200
拉伸耐寒系数 Coefficient of Low Temperature Resistance at Extention≥	-	-	-	-
C1（-45℃）	-	-	0.3	-
C2（-50℃）	-	-	0.2	-

注：C1---使用环境温度为-45℃～+50℃；C2---使用环境温度为-60℃～+50℃
Note：C--- Working Temperature -45℃～+50℃

耐油输送带 Oil Resistance Conveyor Belt

本产品由全棉帆布、尼龙帆布、聚酯帆布作为带芯，具有耐油性能的胶料作为覆盖胶，经过压延、成型、硫化等工序精制而成。
We choose cotton canvas, nylon canvas or EP canvas as the carcass and oil resistance rubber material as the cover, then produce the belt through calendaring, assembling and vulcanizing procedures, etc.

应用 Applications

- 适用于油性物料及油态工作场合。
- It is suitable for conveying oily materials or working at oily sites.

产品优势 Advantages

- 耐油性能好
- 耐磨性能好
- Good oil resistance
- Good abrasion resistance

耐酸碱输送带 Acid and Alkali Resistance Belt

为了达到耐酸碱的性能，我们在设计和生产的过程中选用棉帆布、尼龙帆布或聚酯帆布作带芯，带体弹性好，成槽性能好，使用伸长率小。采用耐酸碱的材料混炼加工成覆盖层，使产品具有良好的抗化学腐蚀性能和良好的物理性能。

In order to fulfill the request of conveying materials under conditions of acid and alkali, we use cotton canvas, nylon canvas and EP canvas as the carcass during processes of designing and production, which creates properties of good elasticity , troughability and low elongation. Through mixing materials with acid and alkali resistance as the cover, the product shows a good performance of chemical corrosion resistance and fine physical property.

应用 Applications

- 适用于化工厂、化肥厂、造纸厂等厂矿企业。
- Available for chemical industry, fertilizer industry, paper industry and mining, etc.

覆盖胶性能 Rubber Cover Property

项目 Item			拉伸强度(Mpa) Tensile Strength	拉升伸长率(%) Elongation at Break	磨耗量(mm³) Abrasion	硬度(A°) Hardness Shore	臭氧老化 Ozone Deterioration
覆盖胶 Cover	物理性能 Physical Property	老化前 Before Aging	≥ 14.0	≥ 400	≤ 250	55-70	无龟裂 No Crack
		老化后 After Aging	≥ 12.0	≥ 340	-	60-75	-
	耐酸碱性能 Acid and Alkali Resistance	类别 Class	浸泡溶液 Soak Liquid	浓度 Density	浸泡条件(℃×h) Soak Conditions	浸泡前后性能变化率 Change Rate before and after Aging	
						体积膨胀率 Swelling Rate	拉升强度变化率 Change Rate of Tensile Strength
		A1	盐酸 Hydrochloric Acid	18%	50℃ ×96h	+10% 以下	-10% 以内
		A2	硫酸 Sulfuric Acid	50%	50℃ ×96h	+10% 以下	-10% 以内
		A3	氢氧化钠 Sodium Hydroxide	48%	50℃ ×96h	+10% 以下	-10% 以内

实验设备 / Testing Machine

■ 30T伺服控制电脑系统拉力试验机
30TStrength Testing Tester

■ 酒精喷灯燃烧试验箱
The Alcohol Burner Combustion Chamber

■ 台湾高铁·门尼粘度仪
Mooney Viscometer

■ 输送带滚筒摩擦试验机
Conveyor Belt Roller Friction Tester

■ 2T/5T伺服控制电脑系统拉力试验机
2T/5TStrength Testing Tester

■ 胶带疲劳试验机
Dynamic Fatigue Tester

■ 台湾高铁·硫化仪
Moving Die Rheometer

■ 老化箱
Aging Box

■ 钢丝绳芯胶带渗透性试验机
Wire Rope Belt Permeability Tester

■ 101型电热鼓风干燥箱
101Type Electrothermal Blowing Dry Box

■ 输送带成槽度试验机
Conveyor Belt Into A Groove Tester

生产设备 / Production Machine