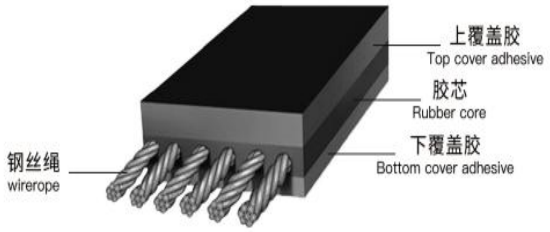
Steel Cord Conveyor Belt
钢丝绳输送带

> > Features 特点

High tensile strength, excellent impact resistance, long service life, low elongation in use, good troughability, and superior flex resistance. It is ideal for long-distance, large-capacity, and high-speed material conveying applications.

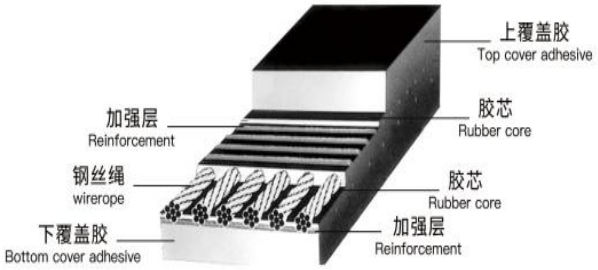
拉伸强度大，抗冲击性好，寿命长，使用伸长率小，成槽性好，耐曲饶性好，适用于长距离，大运量、高速度物料输送。



> > Applications 用途

Widely used for material handling in coal, mining, ports, metallurgy, electric power, chemical industries, and more.
Classifications by cover rubber properties:
Available in general-purpose, flame-retardant, cold-resistant, wear-resistant, heat-resistant, and acid-alkali-resistant types.
Classifications by internal structure:
Includes standard structure, cross-reinforced structure, and pre-embedded coil anti-tear structure.

可广泛用于煤碳、矿山、港口、冶金、电力、化工等领域物料输送。
按覆盖胶性能可分为：普通型、阻燃型、耐 寒型、耐磨型、耐热型、耐酸碱型等品种。
按内部结构可分为：普通结构型、横向增 强型、预埋线圈防撕裂型。



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

规格Specihentian / 技术参数Technical Data	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400
纵向拉伸长度 Tensile StrengthIN/mm)	630	800	1000	1250	1600	2000	2500	3150	3500	4000	4500	5000	5400
钢丝绳最大公称直径 Max Diameter of Cordlmm)	3.0	3.5	4.0	4.5	5.0	6.0	7.5	8.1	8.6	8.9	9.7	10.9	11.3
钢丝绳间距 Pitch of Cord	10	10	12	12	12	12	15	15	15	15	16	17	17
上覆盖层厚度 Top Rubbor Cower Thicknesslmm	5	5	6	6	6	8	8	8	8	8	8	8.5	9
下覆盖层厚度 BoitomubborCower Thlcknslmm)	5	5	6	6	6	6	6	8	8	8	8	8.5	9
胶带参考质量 Weight (kg/m)	18	19.5	22.5	24	25.9	31.8	36.1	40.4	43.8	45	45.1	50.7	53.4
宽度规格 Width/mm)	钢丝绳根数(Cord Number)												
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
2600						209	165	168	170	170	159	149	149
2800						230	184	184	184	184	171	161	161

GB/T9770 标准中覆盖胶性能等级 Rubber performance levels in GB/T9770 stamdard

等级代号 Lovol Code	拉伸强度 MPa Tensile strergth MPa	扯断伸长率 Elongation a brak%	磨耗量mm WEARmm
D	18	400	90
H	25	450	120
L	20	400	150
P	14	350	200

注：D — 适用于强磨损工况 H — 适用于强划裂工况
L — 适用于一般工况 P — 适用于耐油、耐热、耐酸碱、耐寒及一般阻燃的输送带
Note:D – Under strong wear and tear working conditions H – Under strong scratch working conditions
L – Under general working conditions P – Oil-resistant, heat-resistant, acid and alkali resistant, cold-resistant, and generally flame-resistant conveyor belts

德国钢丝绳芯输送带标准DIN22131 主要技术参数
Main technical parameters of German wire rope core conveyor belt standard DIN22131

型号Type		ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400
最低拉伸强度N/mm Minimum breaking load		1000	1250	1600	2000	2500	3150	3500	4000	4500	5000	5400
钢丝绳直径(最大) Max diameter of coed		4.1	4.9	5.6	5.6	5.6	8.1	8.6	8.9	9.7	10.9	11.3
绳距mm+1.5 Pitch of cold		12	14	15	12	12	15	15	15	16	17	17
覆盖胶厚度(最小) Thinkness of oover (mm)		4	4	4	4	4	5.5	6.5	7	7	8	9
宽度规格Width mm												
公称值 Width	极限偏差 Tolerance	钢丝绳根数(Cord Number)										
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	70	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	98	90	90
1800	±14	147	127	117	147	117	117	117	17	109	102	102
2000	±14	164	141	130	164	130	130	130	130	121	113	113
2200	±15	181	151	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

Sidewall Conveyor Belt
挡边输送带

> > Features 特点

It has the characteristics of strong lateral rigidity, tear resistance, flexural resistance, fatigue resistance, and flexible angle transformation, with high conveying efficiency. Especially suitable for conveying bulk materials. In addition, it also has the advantages of low maintenance costs and small footprint.

拉伸强度大，抗冲击性好，寿命长，使用伸长率小，成槽性好，耐曲饶性好，适用于长距离，大运量、高速度物料输送。

> > Applications 用途

Widely applicable to ports, docks, metallurgy, mining, building materials, cement, chemical industry and other fields. Advantages such as significantly reducing the investment cost of buildings.

广泛适用于港口、码头、冶金、矿山、建材、水泥、化工等领域。可大幅度降低建筑物的投资成本等优点。

挡边带配备的输送机输送能力m/h(v=lm/s带宽=1000mm)
The shifting capacity of transfer with apron m/h(v=lm/s Belt width=1000mm)

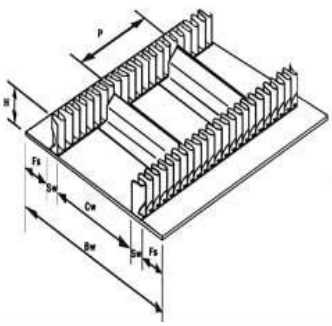
倾角°	输送能力m³/h 挡边高mm 挡板间距mm		120	160	200	倾角°	输送能力m³/h 挡边高mm 挡板间距mm		120	160	200
30	160 200 250 330 500	148 128 98 76	336 273 218 168	436 402 360 290	500 300	70	125 160 200 250 330	90 72 61	203 159 129 107	278 224 182	352 281 306
35	125 160 200 250 330 500	165 130 102 95 75	305 200 231 187 156	376 326 251	471 390 259	75	160 200 250 330 500	81 63 53	184 143 115 95	252 201 169 134	316 250
40	125 160 200 250 330 500	145 113 95 85 65	286 223 204 162 137	346 288 218	430 304	80	125 160 200 250 330 500	73 57 44	164 125 106 86	224 182 146	283 226 172
50	125 160 200 250 330 500	113 85 70 60 45	247 176 146 127 95	35 278 228 176	422 347 273	85	125 160 200 250 330 500	66 42 34	125 97 80 66	175 137 113 87	217 175 136
60	125 160 200 250 330 500	110 85 70	246 195 153 129	339 274 218 173	110 85 70	90	125 160 200 250 330 500	53 46 38	124 97 83 67	215 171 133	

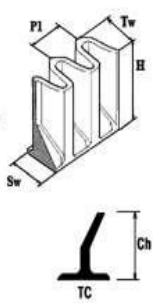
GB/T9770 标准中覆盖胶性能等级 Rubber performance levels in GB/T9770 stamdard

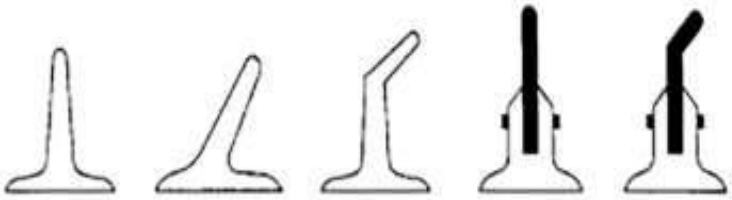
挡边型号	挡 边 高 度 m m	底 脚 宽 m m	波距mm	配用隔板	底 脚 宽 m m
S	40	30	57	T35	T35
S	60	50	42	T55	T55
S	80	50	42	TC75	TC75
S	100	50	42	TC90	TC90
S	120	50	42	TC110	TC110
S	160	75	63	TC140	TC140
S	200	75	63	TC180	TC180
S	240	75	63	TC220	TC220
S	300	100	84	TC260	TC260
S	400	100	84	TCS360	TCS360
S	500	125	105	TCS460	TCS460
S	630	125	105	TCS580	TCS580

挡边带配备的输送机输送能力m/h(v=lm/s带宽=1000mm)
The shifting capacity of transfer with apron m/h(v=lm/s Belt width=1000mm)

基带宽B Bandwidth B base	基带高H block high H	横隔板高H1 horlzontal baffle high H1	波底宽B1 the wave bottom wide B1	有效带宽B2 effectlve bandwidth B2	空边宽B3 empty wlde B3	横隔板形状 Horlzontal naffle form
300	40	35	25	180	35	TC
	60	55	50	120	40	
	80	75				
400	60	55	50	180	60	TC
	80	75				
	100	90				
500	80	75	50	250	75	TC
	100	90				
	120	110				
650	100	90	50	350	100	TC
	120	110				
	160	140	75	300		
800	120	110	50	460	120	TC
	160	140	75	410		
	200	180				
1000	160	140	75	550	150	TC
	200	180				
	240	220				
1200	160	140	75	690	180	TC
	200	180				
	240	220				
	300	360	100	640		
1400	200	180	75	830	210	TC
	240	220				
	300	260	100	780		
	400	360				







T型 C型 TC型 TS型 TCS型

Chevron Conveyor Belt
花纹输送带

> > Features 特点

A conveyor belt composed of patterned rubber covering the working surface, flat rubber covering the non working surface, and tire body. Due to differences in the transportation materials and the inclination angle of the conveyor, the shape, height, and depth of the patterns vary.
Pattern forms: herringbone, concave pit, U-shaped, etc.Can be customized according to customer needs.

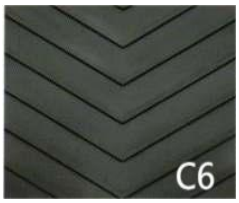
由工作面上的花纹覆盖橡胶、非工作面的平覆盖橡胶和胎体组成的输送带。因运输材料和输送机倾斜角度的差异，图案的形状、高度和深度各不相同。花纹形式：人字型，凹坑型，U型等。可根据客户需求定制。

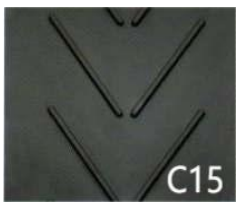
> > Applications 用途

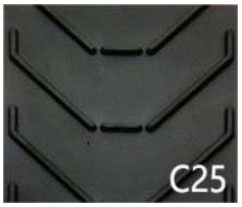
Widely applicable to mining and quarrying, agriculture and food processing, construction, port and logistics industries.
Herringbone pattern: High friction, suitable for steep-angle and heavy-load transportation (e.g., mining).
Fishbone pattern: Prevents lateral slippage, used for loose materials (e.g., sand and soil).
Diamond pattern: Multi-directional anti-slip, commonly seen in agriculture and packaging lines.
Strip/Wave pattern: Guides drainage, suitable for washing and food processing in wet environments.

广泛适用于采矿和采石、农业和食品加工、建筑、港口和物流行业。
人字形花纹：高摩擦，适用于陡坡和重载运输（如采矿）。
鱼骨图案：防止横向滑动，用于松散材料（如沙子和土壤）。
钻石图案：多向防滑，常见于农业和包装生产线。
条形/波浪形：引导排水，适用于潮湿环境中的洗涤和食品加工。

花纹类型及参数：Pattern type and parameters







Chevron Type	Pattern	C.H(mm)	C.W(mm)	C.P (mm)	Belt Width	
					mm	inch
C6	C6-P230	6	230	75	300-400	12″ - 16″
	C6	6	300-1200	100	300-1200	12″ - 48″ (1215)
V6	V6	6	600-1800	75	600-1800	24″ -72″
C12	C12-V800	12	800	150	800-1200	32″ - 48″ (1206)
C15	C15-V330	15	330	250	400-600	16″ - 24″
	C15-P385	15	385	250	500-800	20″ - 32″ (800)
	C15-V450	15	450	300	600-600	24″ - 32″ (800)
	C15-P500	15	500	340	550-750	22″ - 30″ (750)
	C15-P600	15	600	250	750-1000	30″ - 40″
	C15-P750	15	750	250	900-1200	36″ - 48″ (1215)
C25	C25-P450	25	450	335	600-750	24″ - 30″ (750)
	C25-P550	25	550	250	600-800	24″ - 32″
	C25-P750	25	750	330	900-1200	36″ - 48″ (1215)
Y32	Y32-P450	32	450	255	500-800	20″ - 32″ (800)
	Y32-P600	32	600	300	800-1000	32″ - 36″
	Y32-P800	32	800	333	1050-1200	36″ - 48″

Fabric Conveyor Belt
织物芯输送带

> > Features 特点

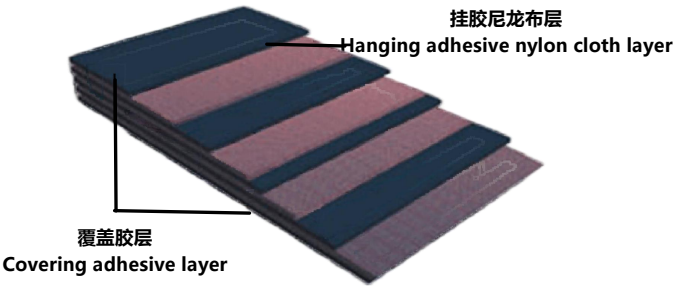
Layered fabric core conveyor belts can be classified into various types based on the type of covering adhesive,including ordinary,heat-resistant,high-temperature resistant,scorching resistant,wear-resistant,heat-resistant and wear-resistant general flame-retardant,electrostatic conductive,acid and alkali resistant,oil resistant,food resistant,etc.

分层式织物芯输送带根据覆盖胶的不同，有普通型、耐热型、耐高温型、耐烧灼型、耐磨性、耐热磨型、 一般难燃型、导静电型、耐酸碱型、耐油型、食品型等品种。

> > Applications 用途

Widely used for material delivery in mining, ports, coal, metallurgy, construction, chemical, grain and other felds. It is one of the most commonly used types of conveyor belts in the industrial field.
Need to select based on the characteristics of the conveyed material.

广泛应用于矿山、港口、煤炭、冶金、建筑、化工、粮食等行业的物料输送。它是工业领域最常用的输送带类型之一。 需要根据输送材料的特性进行选择。



分层式织物芯输送带规格系列： Specification series of layered fabric core

胶带类型 Tape type	织物型号 Fabric model	单层织物强度 (mm) single layer fabric strength(mm)	单层织物骨架厚度(mm) Single layer fabric skeleton Thickness (mm)	覆盖胶厚 Cover adhesive thickness		布层数 Number of layers of fabric	生产宽度范围 (mm) Production width range (mm)	生产长度 (m/卷) Production length (m/roll)
				上胶 TOP Rubber	下胶 BottomRubber			
尼龙(NN)输送带 Nylon(NN) Conveyor belt	NN100	100	0.70			2-10	300-2200	20-300
	NN125	125	0.70					
	NN150	150	0.75					
	NN200	200	0.90					
	NN250	250	1.15					
	NN300	300	1.25					
	NN400	400	1.50					
聚酯(EP)输送带 Polyester(EP) Conveyor belt	EP100	100	0.75	3.0	1.5	2-8	300-7200	20-300
	EP125	125	0.75					
	EP150	150	0.85					
	EP160	160	0.85	4.5	3.0			
	EP200	200	1.00					
	EP250	250	1.20					
	EP300	300	1.35					
	EP315	315	1.40	6.0	4.5			
	EP350	350	1.50					
	EP400	400	1.65					
棉帆布(CC)输送带 Cotton Canvas(CC) Conveyor belt	CC-56	56	1.10			3-12	300-7200	20-300

整芯式织物芯输送带规格系列：Solid Woven Textile Belt Series

	整体拉伸强度N/mm Tensile strength as a whole,N/mm		整体扯断长率%不小于 Elongation at break≥%		宽度 Width	每卷带长 Length of each roll	带参考质量kg/m² Reference to quality of belt,kg/m²	
型号 Model	纵向Longitudinal	横向 Transversal	纵向 Longitudinal	横向 Transversal	mm	m	PVC	PVG
680S/四级	680	265	15		400 — 1400	100	10.2	11.6
800S/五级	800	280					11.2	12.5
1000S/六级	1000	300					12.0	13.6
1250S/七级	1250	350					14.5	15.8
1400S/八级	1400	350					15.0	16.8
1600S/九级	1600							
1800S/十级	1800							
2000S/十一级	2000							
2240S/十二级	2240							
2500S/十三级	2500							

整芯式(PVC/PVG) Solid Woven(PVC/PVG)

型号	580S	680S	800S	1000S	1250S	1400S	1600S	1800S	2000S	2240S	2500S
最小滚筒直径 Diameter of minimum rolly.mm	500	630	630	630	800	800	1000	1000	1250	1250	1400

胶带类型 Brlt	胶带种类 Belt Type	骨架材料型号 Carcass Type	覆盖胶厚度(mm) Cover Thickness 上胶 Top Rubber	覆盖胶厚度(mm) Cover Thickness 下胶 Bottom Rubber	生产宽度范围(mm) Width Range
普通类型 Conventional Type	尼龙(NN)输送带 Nyion Belt	NN100-NN400	1.5 3.0 4.5 6.0	1.5 3.0 4.5 6.0	300-2200
	聚酯(EP)输送带 EP Belt	EP100-EP400			300-2200
	棉帆布(CC)输送带 Cotton Canvas Belt	CC-56			
加强型(防撕裂型) Reinfocement Type	尼龙(NN)输送带 Nyion Belt	NN100-NN400			300-2200
	聚酯(EP)输送带 EP Belt	EP100-EP400			
	棉帆布(CC)输送带 Cotton Canvas Belt	CC-56			
	钢丝绳输送带 Steel Cord Conveyor Belt	ST630-ST5000			

Heat Resistant Conveyor Belt
耐热输送带

> > Features 特点

After special immersion and shaping treatment, the core of this product has the characteristics of high adhesive strength, strong heat shock resistance, and easy cleaning. Under normal service conditions below 180 ℃, it has small elongation deformation and excellent wear performance. It is specially designed for high temperature to ensure stable strength, aging resistance and cracking resistance under high temperature, and significantly extend service life.

该产品带芯经过特殊浸渍定型处理后，粘合强度高，抗热冲击性能强，易清洁性的特点。在180℃以下正常使用条件下，伸长变形小，磨耗性能优异，专为高温设计，确保高温下强度稳定、抗老化开裂，显著延长使用寿命。

> > Applications 用途

Primarily used for conveying high-temperature materials such as sintered ore, hot coke, cement clinker, hot castings, etc. The belt core of this product undergoes special impregnation and shaping treatment, resulting in high bonding strength. Under normal operating conditions below 180°C, it exhibits minimal elongation deformation and excellent wear resistance. It can withstand temperatures up to 250°C for short periods. Suitable for industrial applications in cement production, coking, metallurgy, steelmaking, and related fields.

主要用于输送高温物料，如烧结矿、热焦炭水泥熟料、热铸件等。该产品带芯经过特殊浸渍定型处理后，粘合强度高，在180℃以下正常使用条件下，伸长变形小，磨耗性能优异。在短时间内可承受250℃高温。适用于水泥、焦化、冶金、钢铁等

耐热带覆盖层的物理机械性能应符合下表规定：
The physical and mechanical properties of the tropical cover layer should comply with the following table:

T1：有耐热要求，物料温度不很高的场合使用，不适用用于粉状物料

T2：用于有耐磨要求切温度适宜的场合，或用于温度不很高的粉状物料

T3：用于温度较高，耐磨性要求较高的场合，如烧结成品，水泥熟料等

T4：用于温度较高，耐磨性要求较高的场合，如烧结成品，水泥熟料等

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	老化后与老化前只差 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

注：
T1:可耐度不大于100℃试验温度

T2:可耐度不大于125℃试验温度

T3:可耐度不大于150℃试验温度

T4:可耐度不大于175℃试验温度

Note:
1type:Can withstand temperatures not exceeding 100℃ Test temperature

2type:Can withstand temperatures not exceeding 125℃ Test temperature

3type:Can withstand temperatures not exceeding 150℃ Test temperature

4type:Can withstand temperatures not exceeding 175℃ Test temperature

T1: Cotton canvas conveyor belts could be applied in situations with heat resistance requests but not with high temperature materials. They can't be used to transport powder-like materials.
T2: They can be used in situations with wearing resistance requests and moderate temperature or used to transport powder-like materials with moderate temperature.
T3: They can be used in situations of high temperature and with requests for high wearing resistance,such as sinter and cement clinker.
T4: They can beused in situations of high temperature and with requests for high wearing resistance,such as sinter and cement clinker.

Pipe Conveyor Belt
管状输送带

> > Features 特点

1：Enclosed conveying of materials,protecting both the materials and the environment.
2：Steep angled conveying,the conveying angle can reach 30 degrees usually.
3：Conveying line can be carranged according to the curve of space.

1、密闭输送物料，物料环境双向保护。
2、大倾角输送，输送倾角通常可达30度。
3、输送线路可按空间曲线布置。

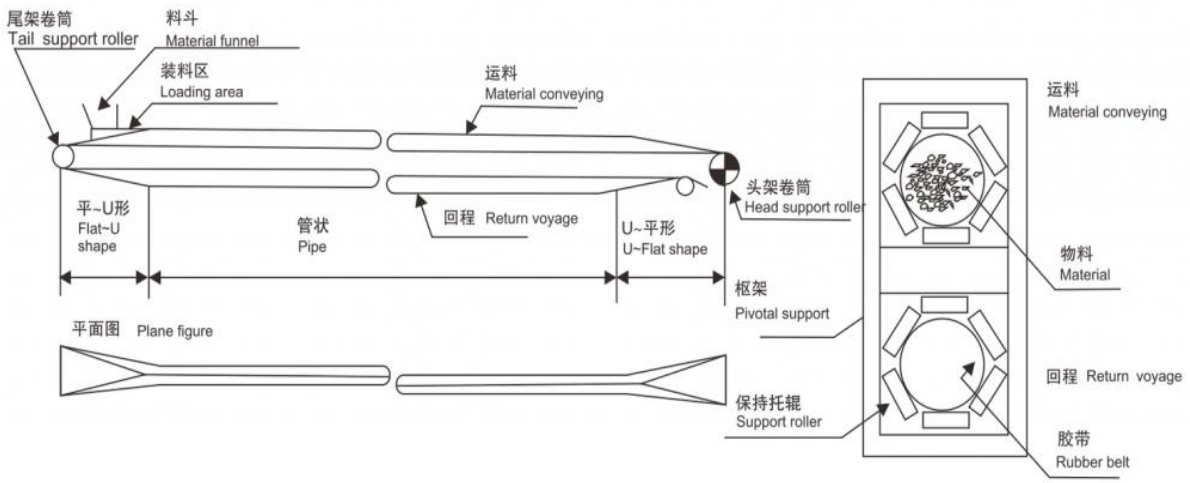
> > Applications 用途

Primarily used for conveying high-temperature materials such as sintered ore, hot coke, cement clinker, hot castings, etc. The belt core of this product undergoes special impregnation and shaping treatment, resulting in high bonding strength. Under normal operating conditions below 180°C, it exhibits minimal elongation deformation and excellent wear resistance. It can withstand temperatures up to 250°C for short periods. Suitable for industrial applications in cement production, coking, metallurgy, steelmaking, and related fields.

主要用于输送高温物料，如烧结矿、热焦炭水泥熟料、热铸件等。该产品带芯经过特殊浸渍定型处理后，粘合强度高，在180℃以下正常使用条件下，伸长变形小，磨耗性能优异。在短时间内可承受250℃高温。适用于水泥、焦化、冶金、钢铁等

规 格 系 列 ： Specification series
管径、带宽及需用块度：Pipe diameter,bandwidth,and required block size:（mm）

管径(mm) Pipe diameter(mm)	100	150	200	250	300	350	400	500	600	700	850
带 宽 (mm) Bandwidth （mm)	400	600	780	1000	1100	1300	1530	1900	2250	2650	3150
断面积(m^2) Cross section area(m^2)	0.008	0.018	0.031	0.053	0.064	0.09	0.147	0.21	0.291	0.379	0.544
最大块度(mm) Maximum block size(mm)	30	30-50	50-70	70-90	90-100	100-120	120-150	150-200	200-250	250-300	300-400



Impact Idler
缓冲托辊

> > Features 特点

1: Adopting polymer polyurethane/rubber composite ring array design, elastic buffer layer
2: Strengthening the roller body and innovating the buffer layer design to achieve a balance between impact resistance and load-bearing strength Made of high-quality stainless steel material, formed by spinning process, with both high strength and deformation resistance characteristics.

1：采用高分子聚氨酯/橡胶复合环阵设计，弹性缓冲层
2：加强型辊体，创新缓冲层设计实现抗冲击性能与承载强度的平衡用优质不锈钢材料，经旋压工艺成型，兼具高强度与抗变形特性

> > Applications 用途

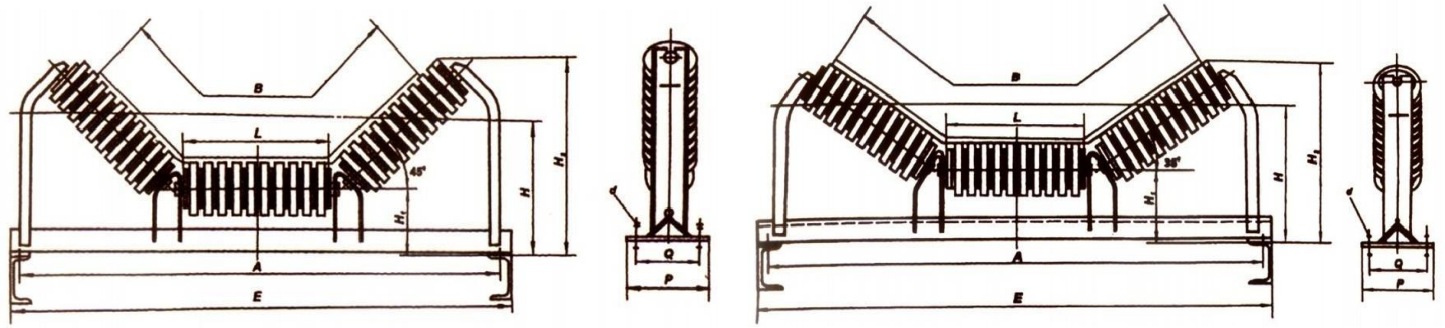
Suitable for heavy-duty material conveying systems in mining, metallurgy, and other fields, especially when dealing with high impact conditions such as large ores and metal shavings, it can significantly extend the service life of conveyor belts and drum components.

适用于矿山、冶金等领域的重型物料输送系统，尤其在处理大块矿石、金属碎料等高冲击工况时，可显著延长输送带及滚筒组件的使用寿命。

缓冲托辊参数对照表：Comparison Table of Impact Idler Parameters

单位（mm）

宽带 B	辊 子			A	E	H_1	H	H_2	P	Q	d	质量 kg
	D	L	轴承									
500	89	200	4G204	740	800	135.5	220	328	170	130	M12	17.5
650	89	250	4G204	890	950	135.5	335	329	170	130	M12	21.0
800	89	315	4G204	1090	1150	135.5	245	368	170	130	M12	27.7
	108		4G205			46	270	385				35.3
1000	133	380	4G305	1290	1350	159	300	437	220	170	M16	49.4
	108		4G306			173.5	325	462				61.1
1200	108	485	4G305	1540	1600	176	335	503	260	200	M16	66.4
	133		4G306			190.5	360	528				77.1
	159		4G306			207.5	390	557				88.5
	159		4G308			207.5	390	557				99.6
1400	108	530	4G305	1740	1800	184	350	548	280	220	M16	76.1
	133		4G306			198.5	390	573				96.2
	159		4G306			215.5	410	603				107.8
	159		4G308			215.5	410	603				111.1



Stainless steel Idler
不锈钢托辊

> > Features 特点

1. Made of high-quality stainless steel material, formed by spinning process, with both high strength and deformation resistance characteristics.
2. 5-8X longer service life versus conventional rollers, validated through industrial abrasion testing.
Resists corrosion from acids, alkalis, salts, and aggressive chemical media range.

1：采用优质不锈钢材料，经旋压工艺成型，兼具高强度与抗变形特性
2：具有良好的防磁，耐磨性好、防锈功能。较常规产品延长5-8倍托辊的使用寿命。不生锈，耐酸、碱、盐等各种化学介质的腐蚀。

> > Applications 用途

Mainly used in belt conveyor systems in underground mines, thermal power plants, ports, and other fields. As a specialized component for the iron remover, its core function is to effectively resist strong magnetic field adsorption through a fully stainless steel material structure, ensuring stable operation of the equipment below the iron remover.

主要应用于矿山井下、火力发电厂、港口码头等领域的胶带输送系统。作为除铁器配套专用组件，其核心功能是通过全不锈钢材质结构有效抵抗强磁场吸附，确保设备在除铁器下方稳定运行。

不锈钢托辊参数对照表：Comparison Table of Stainless steel Idler

筒直径 mm	厚度 mm	轴直径 mm	钢管材质	轴承材质	安装方式
25	0.7	8	不锈钢	碳钢/轴钢	弹簧伸缩
38	1.0/1.2/1.5/2.0	12	不锈钢/镀锌		弹簧伸缩 铣扁内螺纹 外螺纹
50	1.0/1.2/1.5/2.0	12/15			
60	1.0/1.2/1.5/2.0	12/15/20			
76	1.5/2.0/3.0	15/20/25			
89	3.0/4.0	20/25			
链轮滚筒可配链轮：4分9齿、4分11齿、4分14齿等链轮					

Off-axis thread

On-axis thread

Spring-loaded

Milled flat feature

Ceramic Lagged Idler
陶瓷托辊

> > Features 特点

1：Corrosion resistance: Neither acid nor alkali salts have a corrosive effect on it. Strong hardness and wear resistance.
2：Fully sealed: Both ends are equipped with plastic labyrinth seals, which prevent oil and grease from leaking and allow the rolling shaft to operate in a fully sealed state for a long time.
3：The ceramic surface forms an oxide film, which does not adhere to any substance and does not react with any substance. Allowing the belt to fall off on its own without touching the suction roller can extend the service life of the roller.
4：Long service life, 2-3 times longer than steel rollers, and can reduce belt wear, extending belt service life without running.
5：High economic benefits can reduce the overall cost of belt conveyors and decrease maintenance hours.

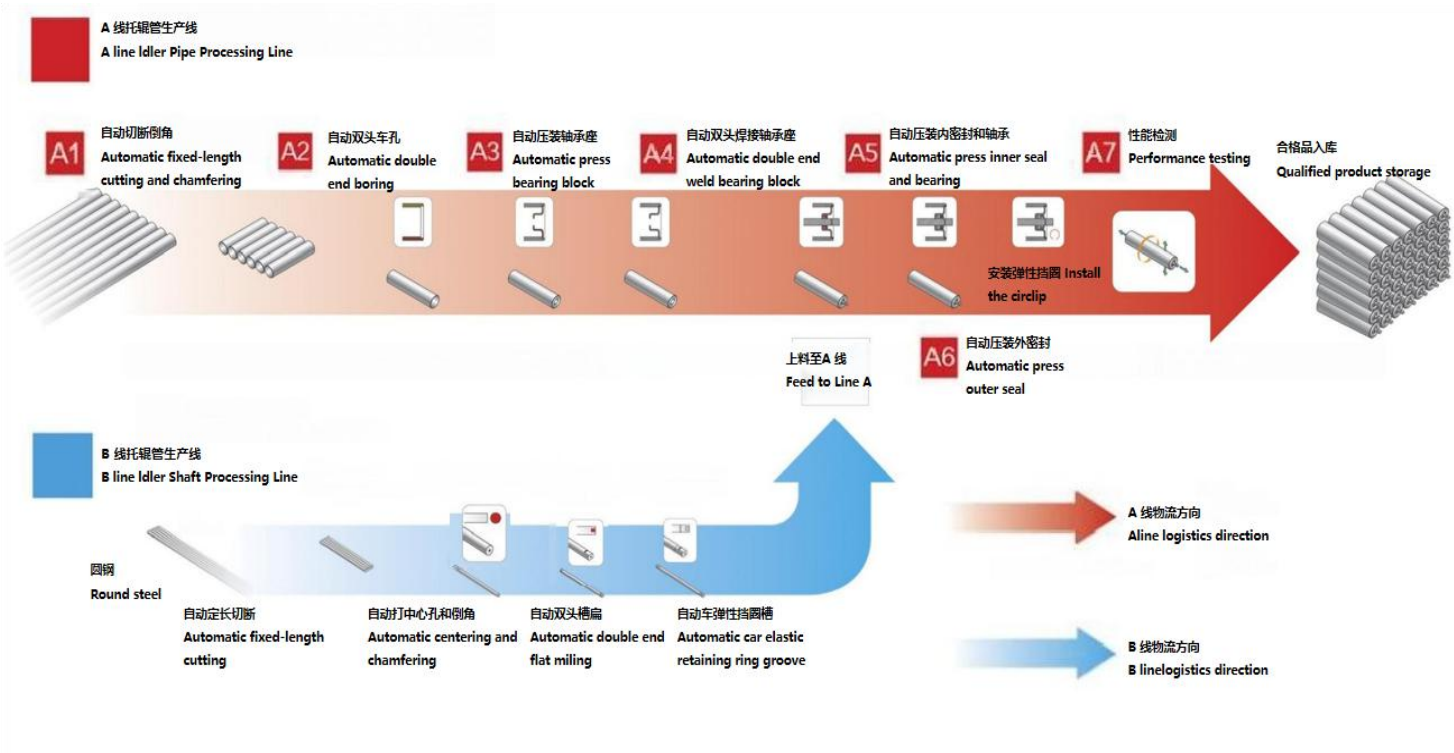
1：耐腐蚀：酸碱盐均对其不起腐蚀作用。硬度强，耐磨性强。
2：全密封：两端装有塑料迷宫密封圈，油滑油脂不会泄漏，可使滚动轴长期处于全密封状态下运转。
3：陶瓷表面，形成氧化膜，它与任何物质不沾接，任何物质不起反应。使皮带沾物自行掉落，不沾吸托辊，均能延长托辊使用期。
4：使用寿命长，比钢托辊使用时间长2-3倍，且能减少皮带磨损，皮带不跑边延长皮带使用寿命。
5：经济效益高，能降低皮带运输机的综合成本，减少维修工时。耐腐蚀：酸碱盐均对其不起腐蚀作用。

> > Applications 用途

This series of high-precision ceramic roller alumina ceramic materials is designed specifically for extreme high temperature, strong corrosion, and high wear conditions. Not only is it wear-resistant, acid alkali salt resistant, antioxidant, and stable in operation, but it can also effectively prevent belt deviation and reduce belt wear.

本系列高精度陶瓷托辊氧化铝陶瓷材料设计，专为极端高温、强腐蚀及高磨损工况研发。不仅耐磨、耐酸碱盐、抗氧化，运行稳定，而且可有效防止皮带跑偏，减少

托辊生产工艺：Roller production process



UHMWPE Idler
超高分子聚乙烯托辊

> > Features 特点

1: Ultra high wear resistance, ultra-low friction coefficient, and super strong anti adhesion ability.
2: Low noise, low rotational resistance, and smooth operation.
3: It has good weather resistance and aging resistance. Superb mechanical strength, capable of withstanding repeated impacts and vibrations.
4: Lightweight, extremely easy to replace, and significantly energy-efficient.
5: Wide temperature adaptability, able to work for a long time at temperatures ranging from -49 ℃ to 90 ℃.

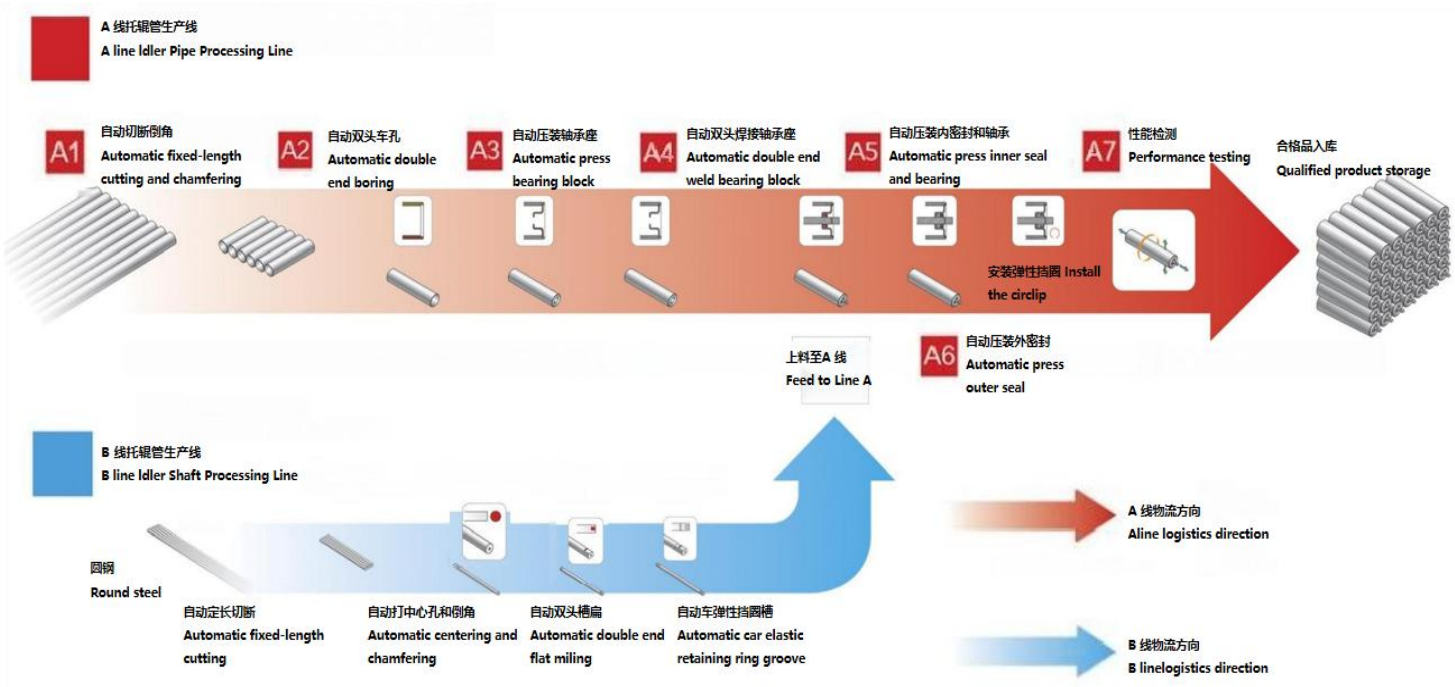
1：超高的耐磨性，超低的摩擦系数，超强的抗粘附能力。
2：噪音低、旋转阻力小、运转平稳。
3：有良好的耐候和抗老化性。超强的机械强度，可承受反复冲击，震动。
4：重量轻，极其便于更换，同时节能效果明显。
5：适温性宽，可长期在-49℃至90℃的温度下工作。

> > Applications 用途

This series of rollers uses ultra-high molecular weight polyethylene (UHMW-PE) as the core material, combined with innovative structural design. Widely used in special places with high dust and highly corrosive conditions, it has extremely high cost-effectiveness.

本系列托辊采用超高分子量聚乙烯（UHMW-PE）为核心材料，结合创新结构设计。广泛应用于粉尘较大、腐蚀性较强条件极为苛刻的特殊场所，具有极高的性价比

托辊生产工艺：Roller production process



Drive Pulley
传动滚筒

> > Features 特点

1: High Driving Efficiency；Rubber lagging/ceramic surface design increases friction coefficient by 30%-50%, effectively eliminating belt slippage.
2: Exceptional Load-Bearing Capacity: Thickened drum wall (10-30mm) with integrated shaft design ensures resistance to deformation and fatigue under heavy loads.
3: Longevity Assurance: Hot vulcanized rubber lagging process delivers a wear-resistant layer with 5-10 year lifespan, supporting 24/7 continuous operation.

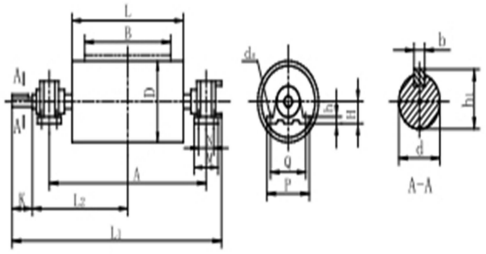
1：高驱动效率，可做包胶/陶瓷表面设计，摩擦系数提升30%-50%，杜绝打滑。
2: 超强承载能力：可加厚筒壁（10-30mm）与一体式轴设计，抗变形、耐疲劳。
3: 长寿命保障：热硫化包胶工艺，耐磨层寿命达5-10年，24/7连续运行。

> > Applications 用途

This series of transmission drums are the main components for transmitting power in belt conveyors, and their driving methods for belt conveyors include single drum, double drum, and multi drum. Single drum is often used on conveyors with low power, such as coal mine ground transportation and coal preparation plants. Underground belt conveyors generally use double rollers to make the conveyor structure compact.
There are three types of structural types: assembled spoke, spoke, and integral spoke.

本系列传动滚筒是带式输送机传递动力的主要部件，其驱动带式输送机的方式有单滚筒、双滚筒及多滚筒之分。单滚筒多用于功率不太大的输送机上，如煤矿地面运输及选煤厂等处。井下带式输送机一般均采用双滚筒，以使输送机结构紧凑。
从结构型式上来分有装配辐板式、辐条式、整体辐板式 3 种。

传动滚筒
B500～1400



传动滚筒参数表：Drive Pulley Parameter Table

B	D	A	L	L_1	L2	K	M	N	Q	P	H	h	H_1	d	b	ds	滚动轴承型号	许用扭矩(公斤·毫米)	
																		光面滚筒	胶面滚筒
500	500	850	600	1097	505.5	115	70	-	280	340	100	33	60	55	16	27	1312	16300	25000
650	500	1000	750	1280	588.5	135	90	-	350	410	120	33	76	70	20	27	1316	21200	32600
	630																	29600	45400
800	500	1300	950	1580	738.5	135	90	-	350	410	120	33	76	70	20	27	1316	26200	40100
	630			1661	771	175	130	80	380	460	140	33	97	90	24		3520	36700	56100
	800																	55900	85500
1000	630	1500	1150	1861	871	175	130	80	380	460	140	33	97	90	24	27	3520	45700	70100
	800			1945	900	215	160	90	440	530	160	53	119	110	32	34	3524	69600	100800
	1000			2020	930	255	170	100	480	570	180	53	140	130	36		3528	-	177500
1200	630	1750	1400	2195	1025	215	160	90	440	530	160	53	119	110	32	34	3524	54900	84000
	800																	83700	128100
	1000			2270	1055	255	170	100	480	570	180	53	140	130	36		3528	-	213000
	1250			2305	1160	275	180	110	540	630	200	63	161	150	40		3532	-	300000
1400	800	2000	1600	2445	1150	215	160	90	440	530	160	53	119	110	32	34	3524	97600	149200
	1000			2555	1190	275	180	110	540	630	200	63	161	150	40		3532	-	249250
	1250																	-	350000
	1400			635	1200	335	200	120	590	680	220	63	181	170		40	3536	-	470000

Bend Pulley
改向滚筒

> > Features 特点

1: Precision Guiding：Optimizes belt path alignment, minimizes belt misalignment, and enhances system stability.
2: Customizable Adaptability：Available in customizable diameters (200-2000mm) with surface treatments (zinc-plated, stainless steel), engineered to withstand humid and corrosive environments.
3: Lightweight Construction：Hollow shaft or lightweight alloy materials reduce overall equipment load and lower energy consumption.

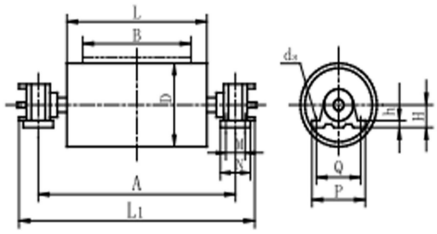
1：精准导向：优化皮带路径，减少跑偏，提升系统稳定性。
2：灵活适配：可定制直径（200-2000mm）及表面处理（镀锌、不锈钢），适应潮湿、腐蚀性环境。
3：轻量化结构：中空轴或轻合金材质，降低设备整体负载，节省能耗。

> > Applications 用途

The directional roller includes guide rollers used for changing the direction of the conveyor belt at the end of the conveyor, increasing the angle of the transmission roller, tightening rollers, and guide rollers used for tightening devices. The reversing drum produced by our company has the characteristics of compact structure, light weight, low occupation, reliable performance, beautiful appearance, safe and convenient use, and can still work normally under harsh conditions such as high dust and wet mud.

改向滚筒包括用于输送带在输送机端部的改向、增加传动滚筒包角的导向滚筒、拉紧滚筒和用于拉紧装置的导向滚筒。我公司生产的改向滚筒具有结构紧凑、重量轻、占用少、性能可靠、外型美观、使用安全方便、在粉尘大、潮湿泥泞等恶劣条件下仍能正常工作的特点。

改向滚筒
B500～1400



改向滚筒参数表：Bend Pulley Parameter Table

B	D	A	L	L_1	Q	P	H	h	M	N	ds	滚动轴承型号	重量(公斤)	图号
500	320	800	600	902	260	320	90	33	70	—	22	1310	93	TD1B1
	400												104	TD1B2
650	320	960	750	1062	260	320	90	33	70	—	22	1310	104	TD3B1
	400				280	340	100				27	1312	132	TD2B2
	500												155	TD2B3
800	320	1180	950	1282	280	340	100	33	70	—	27	1312	134	TD3B1
	400			1292	350	410	120		90	—		1316	211	TD3B2
	500												237	TD3B3
	630												268	TD3B4
1000	400	1410	1150	1512	280	340	100	33	70	—	27	1312	191	TD4B2
	500			1522	350	410	120		90	—		1316	319	TD4B3
	630												367	TD4B4
	800												444	TD4B5
1200	400	1660	1400	1762	280	340	100	33	70	—	27	1312	235	TD5B2
	500			1790	380	460	140		130	80		3520	418	TD5B3
	630												473	TD5B4
	800												559	TD5B5
	1000												659	TD5B6
1400	400	1860	1600	1962	280	340	100	33	70	—	27	1312	259	TD6B2
	500			1990	380	460	140		130	80		3520	454	TD6B3
	630												514	TD6B4
	800												606	TD6B5
	1000												792	TD6B6
	1250												995	TD6B7

Motorized Drive Roller (MDR)
电动滚筒

> > Features 特点

1: Highly integrated design with motor and drum combined into one unit, significantly reducing external transmission components, minimizing equipment footprint, and simplifying installation.
2: Energy-efficient operation with high-precision reduction gear and optimized motor matching, ensuring high transmission efficiency, low vibration, and minimal noise.
3：Superior adaptability: Customizable explosion-proof, high-temperature resistant, and impact-resistant versions, compatible with various belt materials and load requirements.

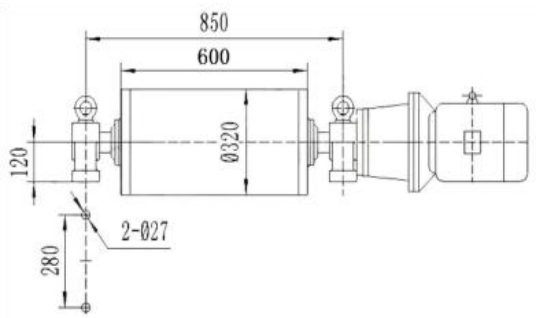
1：高度集成，电机与滚筒一体化设计，大幅减少外部传动部件，降低设备占地面积，简化安装流程。
2：高效节能，高精度减速机构与优化电机匹配，传动效率高，且运行震动小、噪音低。
3：适应性强，可定制防爆、耐高温及抗冲击版本，兼容多种皮带材质与负载需求。

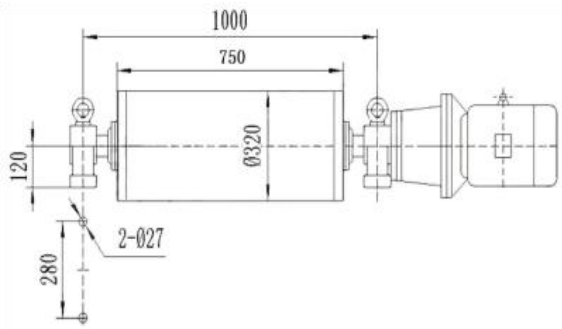
> > Applications 用途

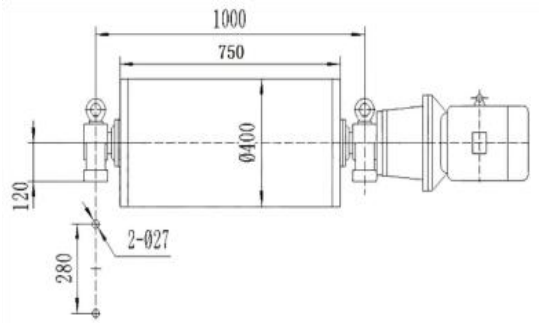
This series of electric rollers is an efficient driving device that integrates motors, reduction mechanisms, and transmission rollers. It is widely used in scenarios such as conveyors, sorting systems, logistics warehousing, and mining ports. Especially suitable for working conditions with limited space or complex environments, suitable for working in various harsh environmental conditions such as humidity, mud, and high dust.

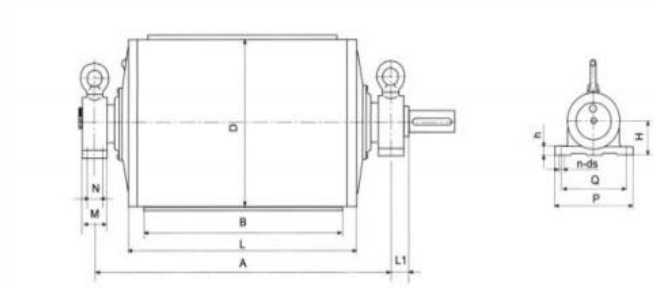
本系列电动滚筒是一种将电机、减速机构及传动滚筒集成于一体的高效驱动装置，广泛应用于输送机、分拣系统、物流仓储及矿山港口等场景。尤其适用于空间受限或环境复杂的工况，适合在潮湿、泥泞、多粉尘等各种恶劣环境条件下工作。

电动滚筒示意图：Motorized Drive Roller (MDR) Sketch Map









Rubber-Lagged Pulley
铸胶滚筒

> > Features 特点

1：High Friction & Anti-Slippage：The rubber lagging surface increases friction coefficient by 30%-50% compared to bare steel pulleys, ensuring efficient power transmission and eliminating belt slippage.
2：Exceptional Wear Resistance：Hot vulcanization process combined with high-hardness rubber provides a wear-resistant layer with 5-10 year lifespan, capable of withstanding impact from sharp materials like ore and coke.
3：Wide Environmental Adaptability: Available in oil-resistant, high-temperature resistant, or anti-static formulations to suit extreme operating conditions (e.g., chemical plants, open-pit mines) - specifically designed for industrial conveying systems in international trade applications.

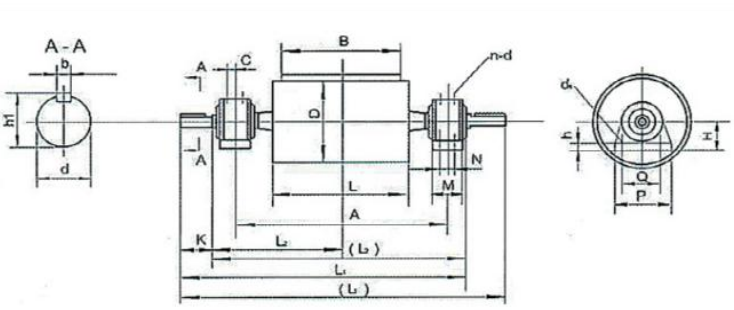
1：高摩擦防打滑：表面包胶摩擦系数较光面滚筒提升30%-50%，有效传递动力，杜绝皮带打滑。
2：卓越耐磨性：热硫化工艺结合高硬度橡胶，耐磨层寿命5-10年，耐受矿石、焦炭等尖锐物料冲击。
3：环境适应性广：可选耐油，耐高温或防静电配方，适配极端工况（如化工厂、露天矿场）。

> > Applications 用途

This series of Rubber Lagged Pulley is a key conveying component that enhances friction, wear resistance, and impact resistance by coating a rubber layer on the surface of a metal drum. It is widely used in mines, ports, logistics, and industrial production lines. The casting roller can significantly extend the life of the conveyor belt (30% -50%), reduce the risk of slipping, and is an ideal solution for heavy-duty, humid, and high wear scenarios. Realize 10-year maintenance free operation in heavy-duty scenarios such as coal mines, ports, and metallurgy, reducing comprehensive operation and maintenance costs by 60%.

本系列铸胶滚筒（Rubber Lagged Pulley）是通过在金属滚筒表面包覆橡胶层以增强摩擦、耐磨及抗冲击性能的关键输送部件，广泛应用于矿山、港口、物流及工业生产线。铸胶滚筒可显著延长输送带寿命（30%-50%），降低打滑风险，是重载、潮湿、高磨损场景的理想解决方案。在煤矿、港口、冶金等重载场景中实现10年免维护运行，综合运维成本降低60%。

铸胶滚筒示意图：Rubber-Lagged Pulley Sketch Map



Self-Aligning Idler
调心支架

> > Features 特点

This series of self-aligning brackets has a simple structure and significant self-aligning effect, which can effectively prevent problems such as conveyor belt deviation, material leakage, and abnormal equipment wear. The combination of special materials and reinforcement techniques enables it to maintain long-term stable operation under high load conditions.

本系列调心支架结构简单，调心效果显著，能有效预防输送带跑偏、物料泄漏及设备异常磨损等问题。特殊材料与加固工艺的结合，使其在高负载工况下仍能保持长期稳定运行。

> > Applications 用途

As the core component of the conveying system, its structural design directly affects the operational efficiency of the equipment and can fully meet the needs of modern operation development. It can effectively prevent problems such as conveyor belt deviation, material leakage, and abnormal equipment wear. The combination of special materials and reinforcement techniques enables it to maintain long-term stable operation under high load conditions.

作为输送系统的核心组件，其结构设计直接影响设备运行效能完全可以满足现代作业发展的需要。能有效预防输送带跑偏、物料泄漏及设备异常磨损等问题。特殊材料与加固工艺的结合，使其在高负载工况下仍能保持长期稳定运行。

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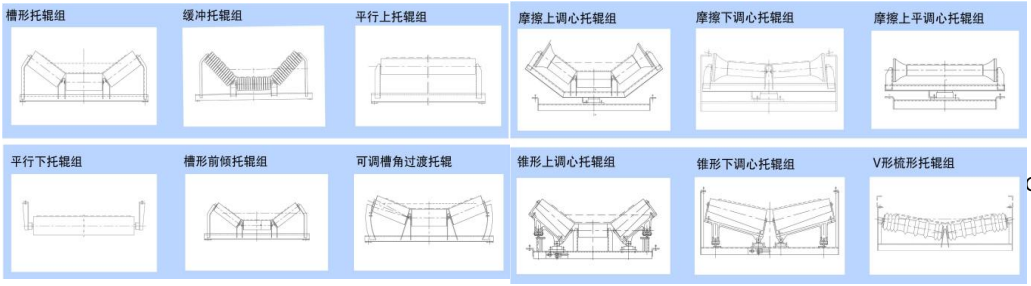

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