



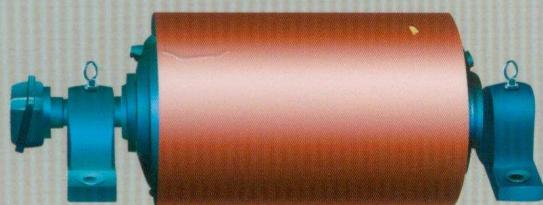
中国名牌产品 CHINA TOP BRAND



中国驰名商标 CHINA WELL-KNOWN TRADEMARK

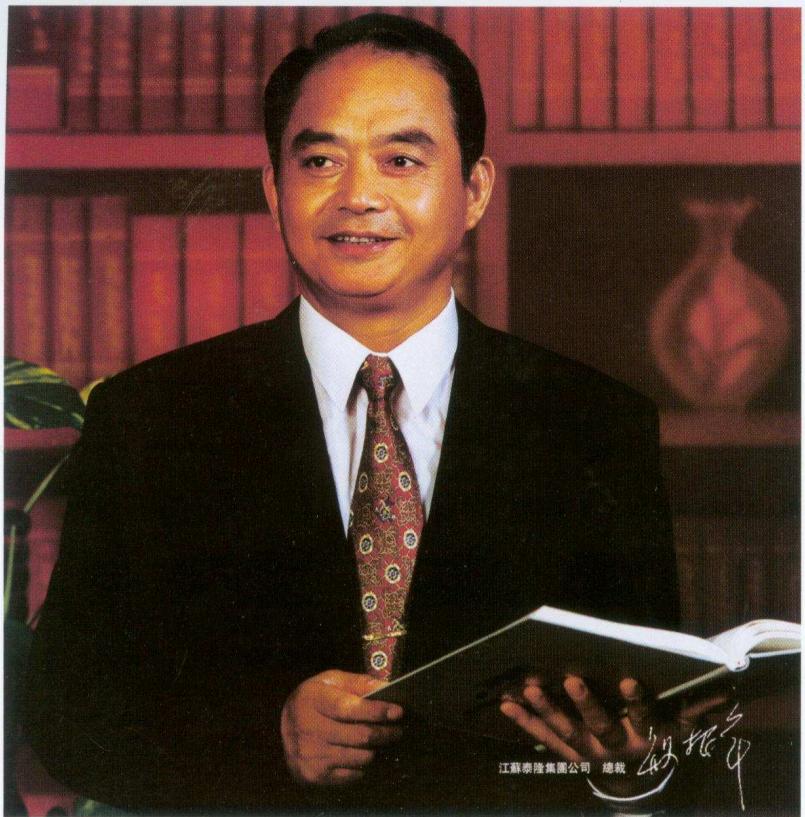


国家大型企业 NATIONAL LARGE ENTERPRISE



电动滚筒

江苏泰隆机械集团
JIANGSU TAILONG MACHINERY GROUP COMPANY
江苏泰隆减速机股份有限公司
JIANGSU TAILONG DECELERATOR MACHINERY CO.,LTD.



Company Brief

Tailong Group is located in Taixing urban area at the border of Yangtse River and it is a state-owned large-sized enterprise boasted by Taixing people. Under the leadership of Mr. Yin genzhang, a nationwide excellent entrepreneur and a model worker of Jiangsu Province, after more than twenty years of operation with concentrated efforts, has proudly marched into the Top 500 enterprises in Chinese Mechanical Industry and has become the industry leader.

At present, the group owns a total assets of RMB 580m, and fixed of RMB 360m, and it covers an area of 600,000 square meters and owns almost 2,612 employees, including 896 technicians, the annual turnover surpasses 1b RMB. The introduced large-sized numerical controlled gear grinding machine, worm grinder, machining center and carbonitriding kiln and etc. advanced, precise and leading manufacturing facilities and inspection apparatus from USA, Germany, Japan and Russia has taken part 48% share in all. At the same time, the group has established a test center with the most complete test functions, the biggest test power, the most advanced instrument and the provincial science & technology park. At the basis of the primary secondary envelope, 9000 series cycloid pinwheel reducer, cylindrical gear, planetary reducer and so on, more than ten series, and several ten thousands specifications, adopting the advanced modularization, point-line technique, ultimately develop TL modular reducer, TPB planetary modular reducer, heavy load modular and point-line meshing decelerator. Along many years, harden-faced reducer for crane, moderate rigid reducer provide the best transmission project for customer all the times; On the other hand, at the wind and water power area, we have taken the swift-footed arrive first, and taken out outstanding success. The heavy load gearboxes has successfully applied in architecture, metallurgy industry, and developed vertical grinder, marginal transmission grinder gearbox which fit for architecture industry, open, convolute gearbox, three-ring, star reducer which special for metallurgy. In addition, the company also supply sugar mill gearbox, worm lifter, electrical roller and various non-standard gearboxes.

The company has been awarded successively with such honorable titles as "China top brand", "National first batch of enterprise honoring contracts and keeping promises", "National key new & hi-tech enterprise", "National mechanical industry quality & benefit type enterprise", "National mechanical industry QC award" and "National customer satisfaction service". Tailong brand is recognized as "the Chinese famous brand" by national industrial and commercial bureau It has taken the lead in passing the quality, environment and security three in one system certification and ISO10012 metering system certification.

Tailong people will keep to its persistent quality guarantee, service guarantee and credit, satisfying customer as our topmost pursuit.

公司简介

泰隆集团地处扬子江畔的泰兴市区，是泰兴人引以为豪的国家大型企业。集团在全国优秀企业家、江苏省劳动模范董事长殷根章的领导下，经过20多年的悉心经营，昂首迈进了中国机械工业500强，成为全国减变行业龙头老大。

集团现拥有总资产5.8亿元，固定资产3.6亿元，占地面积60万平方米，员工近2612人，专业工程技术人员896人，年销售额15亿元。从美国、德国、日本、俄罗斯等国家引进的大型数控磨齿机、蜗杆磨床、加工中心、碳氮共渗炉等一批高精尖的生产设备和检测设备占48%。建立了全国同行业中检测功能最全、检测功率最大、仪器最先进的测试中心，创建了省级工程技术中心。公司产品在原有的平面二次包络蜗杆减速器、9000系列摆线针轮减速机、圆柱齿轮减速器、行星齿轮减速器等十几个系列，几十万种规格的基础上，采用先进的模块化、点线等技术开发出了TL模块化齿轮减速电机；TPB行星模块化减速器、重载模块式减速器、点线啮合减速器。多年来，起重机用硬齿面、中硬齿面减速器一直在为用户提供最佳的传动方案，在风力发电、水力发电领域捷足先登，做出了不菲的业绩。重载齿轮箱在建材行业、冶金行业成功得到了应用，开发出了建材行业的立式磨机及边缘传动磨机齿轮箱，冶金行业的开卷、卷取齿轮箱、三环减速器、星轮减速器。另外公司还为用户提供榨糖机齿轮箱、螺杆升降机、电动滚筒及各类非标齿轮箱。公司荣获“中国名牌”，“全国首批守合同重信用企业”，“全国重点高新技术企业”、“全国机械工业质量效益型先进企业”、“全国机械工业质量管理奖”、“全国用户满意服务”等殊誉，泰隆商标被评为“中国驰名商标”，在同行业中率先通过质量、环境、安全三位一体认证及ISO10012计量体系确认。

泰隆人将遵循自己一贯的质量承诺、服务承诺和信誉承诺，把顾客满意当作我们的最高追求！

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第一部分 概述 Part 1. Brief

一、产品概述 Brief introduction

电动滚筒作为皮带运输机和提升等设备的动力，广泛应用于矿山、冶金、化工、煤炭、建材、电力、轻工、粮食及交通运输等部门。

电动滚筒与一般减速机构相比，具有结构紧凑、体积小、重量轻、密封性好、安装方便、维修简便等优点。可用于粉尘大、潮湿、泥泞、露天等环境恶劣场所，环境温度在 -10°C ~ +40°C，海拔高度不超过 1000 米，一般不用于输送高温物料及易爆场所，常规应水平安装。

我公司参照机械部 JB/T7330-94 标准设计生产的电动滚筒有定轴齿轮、摆线针轮、行星齿轮三种传动形式，安装形式有电机内置（内装）、电机外置（外装）以及用于移动式输送机上的移动式三种。共有 YD_N^T (即 TDY75)、 DY_1 、 JYD 、 QD 、 YB_N^T 、 JA_N^T 、 JX_N^T 、 WD_N^T 、 WB_N^T 、 WX_N^T 等 10 个系列产品，各产品均可包胶，其中胶面有平面胶、“人”字胶及菱形胶三种，除 DY_1 和 JYD 型移动式滚筒外均可附加逆止功能。电机内置时有油冷和油浸式两种；电机外置时有卧式直列型、立式电机型、卧式垂直型三种装配形式，电动机采用 Y 系列电机配套，如选用隔爆型电机可用于隔爆要求场所，另外还可配加 HL 型弹性柱销联轴器、YOX 型液力偶合器以及 YWZ 型电力液压块式制动器。

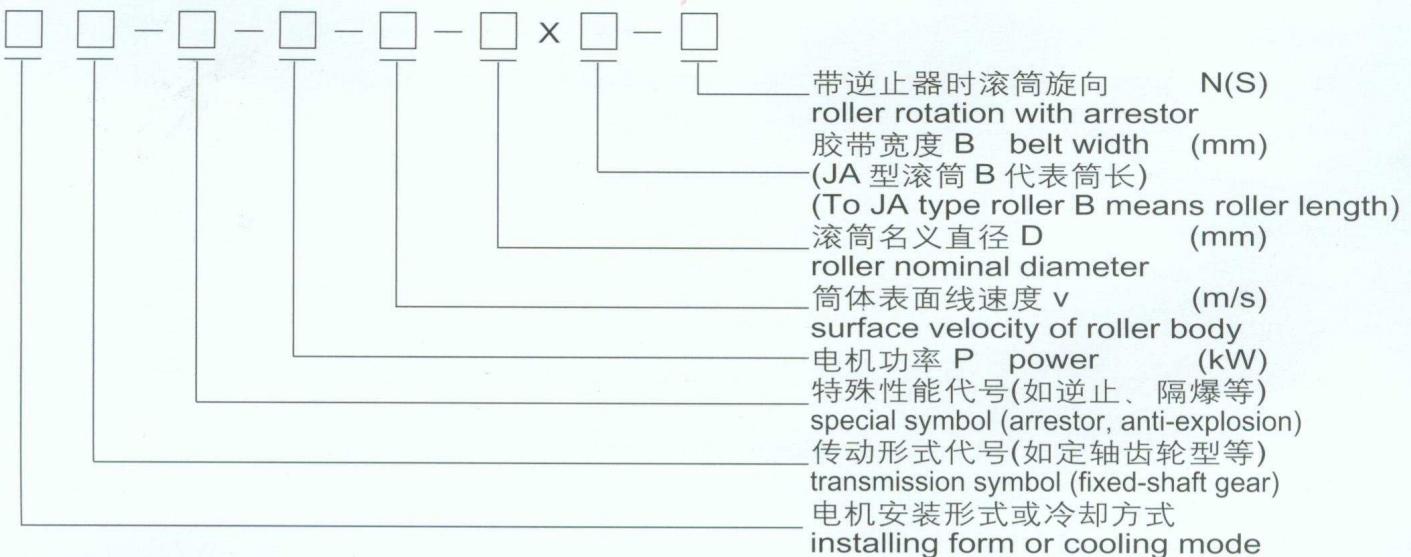
Being a drive of belt transporter and lifting equipment, the electric roller is widely applied in metallurgy, mining, chemical industry, coal industry, building materials, powering, light industry, foodstuff and transportation.

Electric roller has such property as fine structure, low volume, light weight, fine sealing and easy assembling. It can be used in such environment as heavy powder, muddy, wet and outdoors. The ambient temperature is -10°C ~ +40°C. Usually it isn't applied in altitude over 1000m, also it should be assembled levelly.

The electric roller we produce on standard of JB/T7330-94 of mechanism department includes three types, the fixed shaft gear, planet gear and cycloid pin wheel. The installing form includes inside the motor, outside the motor and movable. There are ten series products, YD_N^T (TDY75)、 DY_1 、 JYD 、 QD 、 YB_N^T 、 JA_N^T 、 JX_N^T 、 WD_N^T 、 WB_N^T 、 WX_N^T . The whole products can be glued. The glue face can be classified into flat glue, r type glue and rhombic glue. The whole roller except DY_1 and JYD movable roller can be equipped with hold back parts. The oil cooling and immersed type are applied when the motor is inside and when it is outside there are horizontal type, solid motor and horizontal vertical type. The motor is assembled with Y series motor. If the anti-explosive environment is wanted, you can elect anti-explosive motor. Also the HL type stretching tooth connector, YOX liquid coupler and YWZ type hydraulic-pressure handspike arrester.

二、电动滚筒的表示方法 Symbol of electric roller

1. 型号及标注：Type and symbol



关于滚筒特性代号的几点说明：

(1) 电机安装形式及冷却方式：

电机内置时一般标注电机冷却方式：油冷式(Y)、油浸式(J)

电机外置时标注电机安装形式：

卧式电机直列型(W_I)、立式电机直联型(W_{II})、卧式电机垂直型(W_{III})

(2) 传动形式代号：

定轴齿轮传动(D)(硬齿面定轴齿轮标A)、摆线针轮传动(B)、行星齿轮传动(X)

(3) 特殊性能代号：

通用型(T 可不标注)、轻型(Q)、逆止型(N)、移动型(DY_I 或 JYD)、防爆型(B)、防腐型(F)等；外装滚筒还可下标：弹性柱销联轴器型(G)、液力偶合器型(Y)、电力液压块式制动型(Z)

(4) 当滚筒需要倾斜安装，即支座底平面与地面或水平面成一角度时，须在电机安装形式或冷却方式代号后下标一倾角数值，并在数值前加“左”或“右”(确定的方法：内置式从出线端看，外置式从电机尾端看，滚筒体左倾的为“左”，右倾的为“右”)。如不标注视为正常(水平)安装。因该项与滚筒使用性能及润滑性能有直接影响，故请用户选型时在合同中注明。

Remarks on roller symbol

1) Motor installing form and cooling mode

When motor is inside the motor cooling mode is usually made out, Y for oil cooling and J for oil immersion.

When motor is outside, the installing form is made out, for example, horizontal type, solid motor and horizontal vertical type.

2) Transmission symbol:

Fixed-shaft gear transmission (D) (hard tooth fixed-shaft gear A), cycloid pin wheel transmission (B) and planet gear transmission (X).

3) Special symbol

General type (T needn't listed), Light(Q), arrestor (N), movable (DY_I or JYD), anti-explosive (B) and anti-corrosive (F).

The outside roller can list such marks as stretching connector (G), liquid coupler (Y) and hydraulic-pressure handspike arrester (Z).

4) When the roller installed unhorizontal, it means there is angle between the bottom surface of pedestal and ground or horizontal plane, we should mark the degree and direction after the symbol of motor installing form or cooling mode (Certain method when motor is inside, the edge is beside the junction. When outside, the edge is at the edge of motor. The roller body is leftist for left, rightist for right). If there is no mark, we think it is normal style. Please note the requirements on the contract because of the installing style directly influences the rollers usage and lubrication.

注：由以上1、2、3特性代号组成品种型号，如：

Note: The above characters make up the type of roller, for example:

原TDY75式定轴齿轮油冷式电动滚筒标记为 YD

Symbol of TDY75 fixed-shaft gear oil cooled electric roller

油冷移动式滚筒标记为 DY_I 或(or) JYD

Movable oil cooling roller

油冷(油浸)通用固定式内置摆线电动滚筒标记为 JB

General fixed inlet cycloid electric roller oil cooling (immersed)

外置卧装电机直列式配弹性柱销联轴器型摆线电动滚筒标记为 W_I BG

Symbol of outside horizontal motor, stretching connector cycloid roller

外置立式电机直联联轴器型摆线电动滚筒标记为 W_{II} BG

Symbol of outside vertical motor connector cycloid electric roller

内置油浸式行星电动滚筒标记为 JX

Symbol of oil immersed planetary gear wheel electric roller

2. 关于配带逆止器时电动滚筒旋向规定：

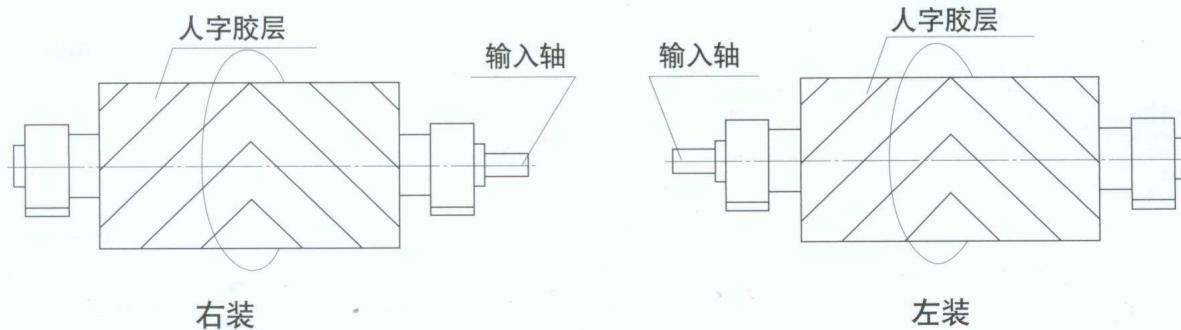
由电源输入端(电机内置时为接线盒端, 外置时为电机尾部)观察, 滚筒顺时针旋转时标注S, 滚筒逆时针旋转时标注N, 不带逆止器时不标注。带逆止器而不标注方向时, 我公司以顺时针为准。

2. Stipulation to electric roller rotation with arrester

Check from the power inlet edge (when motor is inside, the edge is beside the junction box; when motor is outside, the edge is at the edge of motor), if the roller is in clockwise, the mark is S, if it is in anticlockwise, the mark is N. If there is no arrester, there is no mark. If no mark for arrester, we think it be clockwise.

3. 滚筒体包“人”字胶, 须注明滚筒体旋向, 因人字胶“人”字尖顶指向与筒体旋向一致, 滚筒体在主机头架上装配方式, 必须按下图明确右装或左装。

3. When the roller body adhering rubber sheet of “人” shape, you should mark the rotation of roller body. Because the direction of the tip of “人” and the roller's rotation is consistence. The roller body's assembling style should note the left or right as the following drawing.



4. 电动滚筒型号标记示例：

例一：油冷式电机功率为15kW, 电动滚筒与水平成左倾60°安装, 表面线速度为1.60m/s, 滚筒名义直径630mm, 胶带带宽1000mm, 配带逆止器, 由接线盒端观察, 电动滚筒为顺时针旋转的定轴齿轮滚筒标记为： YD_{左60°}-N-15-1.60-630X1000-S

例二：立式直联电动机功率为 15kW，电动滚筒表面线速度为 1.60m/s，滚筒名义直径 500mm，输送机胶带带宽为 800mm，配带逆止器，由电动机尾部观察，电动滚筒为顺时针旋转的立式电机直联接轴型外装式摆线滚筒标记为： W_{II} B-N-15-1.60-500X800-S

4. Symbol example

Example 1: An oil cooling motor with power of 15kW, leftist elements is 60° the face speed of electric roller is 1.60m/s, the nominal diameter of roller is 630mm, the belt width is 1000mm, an arrester is installed. Check from the junction box, this fixed-shaft gear roller of clockwise rotation is marked as, YD_{左 60°}-N-15-1.60-630X1000-S

Example 2: A plumb connecting motor with power of 15kW, the face speed of electric roller is 1.6m/s, the nominal diameter of roller is 630mm, the belt width is 1000mm, an arrester is installed. Check the edge of motor, this vertical connecting outside cycloid roller with clockwise rotation is marked as, W_{II} B-N-15-1.60-500X800-S

三、电动滚筒选型方法 Selection

1. 推荐采用下列公式计算电动滚筒需要的功率

Selecting the necessary power according to the comptation formula:

1.1 电动滚筒轴功率的计算: Calculation of electrical roller

当带宽 B < 400 时：

When the belt width B is less than 400mm:

$$P_A = \frac{0.36(40+L)B \times v}{10000} + \frac{(40+L) \times Q}{10000} \pm 0.00273Q \times H$$

当带宽 B ≥ 400 时：

When the belt width B is no less than 400mm:

$$P_A = \frac{0.36(40+L)(B-300) \times v}{10000} + \frac{(40+L) \times Q}{10000} \pm 0.00273Q \times H$$

式中 Where: P_A——电动滚筒的轴功率 (kW) Shaft power of electrical roller

L——输送机的电动滚筒与改向滚筒之间中心距的水平投影 (m)

The horizontal projection of conveyance electrical roller and radial roller center distance (m)

B——胶带宽度 belt width (mm)

H——物料提升高度 the convey height (m)

v——滚筒表面线速度 Belt speed (m/s)

Q——胶带输送量 the convey quantity (t/h)

±——+ 号为往上输送，- 号为往下输送

+ means up convey and - means down convey

1.2 电机功率的计算: Calculation of power

$$P = P_A / \eta$$

式中 Where: P——电机功率 motor Power (kw)

P_A——电机轴功率 The shaft power of the motor (kw)

η——电动滚筒总传动效率 % Total convey efficiency of roller

采用光面滚筒时，If you use the shaft roller, η=87%

采用胶面滚筒时，If you use the rubber roller, η=89%

2. 电动滚筒输出转矩按下列公式计算:

The formula computation s torque of electrical roller

$$M=500 \times \frac{D \times P}{V}$$

式中 where: M —— 转矩 Torque (N · m)
 D —— 滚筒直径 Roller diameter (m)
 P —— 额定功率 Rated Power (kW)
 V —— 带速 Belt speed (m/s)

3. 电动滚筒许用转矩按下列公式计算:

$$Mn=500 \times \frac{D \times P}{V} \times \eta \quad (\text{N} \cdot \text{m})$$

式中 where: Mn —— 许用转矩 Torque (N · m)
 D —— 滚筒直径 Roller diameter (m)
 P —— 额定功率 Power (kW)
 V —— 带速 Belt speed (m/s)
 η —— 效率 Efficiency

效率 Efficiency	齿轮传动 Gear Transmission	摆线针轮传动 Cycloid Pin Transmission	行星齿轮传动 Planet gear Transmission
η	≈ 0.92	≈ 0.87	≈ 0.94

4. 电动滚筒在下列使用情况下配用功率须提高一挡:

This series electric roller s power needs to be adjusted in these conditions as following:

- (1) 每天连续工作超过 8 小时。
- (2) 包胶滚筒。
- (3) 频繁启动。
- (1).when it is working 8 hours continuously.
- (2).when it is rubber roller.
- (3).when it is started continually.

四、电动滚筒使用注意事项 Notice and attention:

1. 使用前应检查电机接线是否正确, 检查滚筒内部油量是否占到滚筒半径的 2/3。
 2. 滚筒须空载启动。
 3. 滚筒第一次工作 300 小时后更换筒内润滑油 (牌号为油冷式、外置式为 N46、N68 机械油, 旧标 30#、40#。油浸式为 L-CKC100、150 中负荷极压工业齿轮油), 以后每隔 5000 小时换油一次并进行保养维修。
 4. 定期检查油位, 根据密封情况调整油封弹簧或更换油封。
1. You should check the oil quantity inside the roller before using it. The better level of oil quantity is covered the roller radius 2/3. Ensure the tie line of motor is right you should check it.
2. It must be empty before you start it.
3. The lubricating oil (oil-cooling, N46, N68, 30# 40# in old stanstad / oil-immersed, L-CKC100, 150) inside the roller should be changed after running 300 hrs. Henceforth, you should change the oil and have it maintain it each 5000hrs.
4. You should check the seal airtight at fixed period. Chang the seal ring and oil seal according to the seal conditions.

第二部分 内置式电动滚筒

Part 2. Inside electric roller

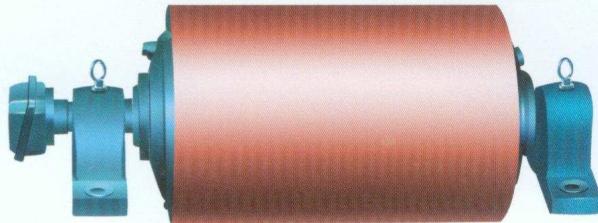
一、**YD^T_N**型油冷式电动滚筒

YD^T_N oil-cooling electric roller

(原 TDY 型扩充后的齿轮滚筒) (Former TDY gear roller)

该产品是 DT 型、DT II 型通用固定式胶带输送机的内驱动装置，与由电机、减速机、传动滚筒结合的外驱动装置相比较，具有占地小、重量轻、性能可靠、外观整齐等优点，在粉尘大，潮湿泥泞等恶劣条件下仍能正常工作。

This product is the in-side driving device of DT type, DT II type and general fixed belt machine. It is cover smaller land area, lighter weight, more reliable performance, well aspect. Where operating atmospheres are aggressive (the dusty, muddy place) and other bad conditions.



1. YD^T_N 型系列参数

Data table of YD^T_N

筒径 D (mm)	电机功率 P Power (kw)	带宽 B (mm)	电机型号 Type	带速 V Belt speed(m/s)									电机型号 Type	备注 Reference
				0.63	0.8	1.0	1.25	1.6	2.0	2.5	3.15	4.0		
320	1.5	500	YTG100L-6	<input type="radio"/>					YTG112M-6					
		650		<input type="radio"/>										
	2.2	500	YTG132S-8	<input type="radio"/>					YTG132S-6					
		650		<input type="radio"/>										
	3.0	500	YTG132M-8	<input type="radio"/>										
		650		<input type="radio"/>										
	4.0	500	YTG132M ₁ -6	<input type="radio"/>										
		650		<input type="radio"/>										
	5.5	500	YTG132S-4					<input type="radio"/>	<input type="radio"/>					
		650	YTG132M ₂ -6D		<input type="radio"/>									
	7.5	650	YTG132M-4C					<input type="radio"/>	<input type="radio"/>					

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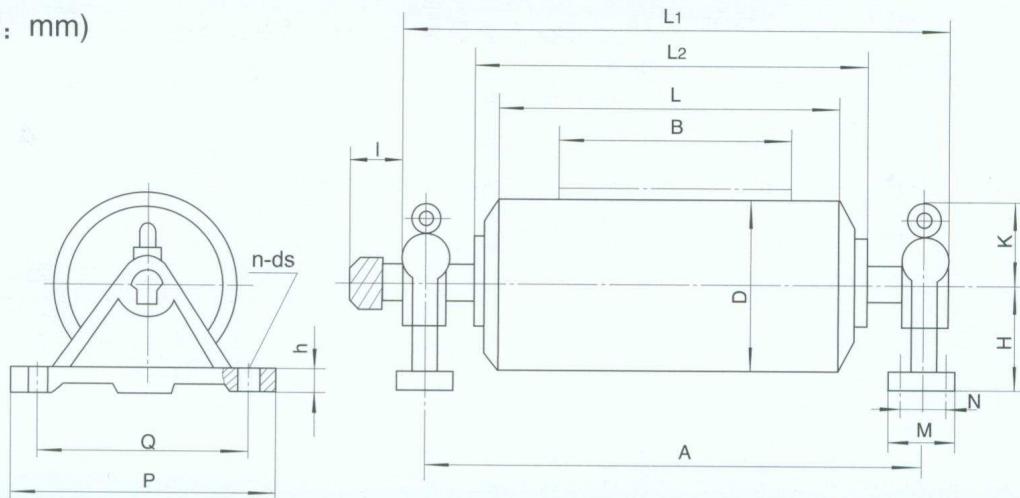
筒径 D Diameter (mm)	电机功率 P Power (kw)	带宽 B Width (mm)	电机型号 Type	带速 V Belt speed(m/s)								电机型号 Type	备注 Reference	
				0.63	0.8	1.0	1.25	1.6	2.0	2.5	3.15	4.0		
400	4.0	500	YTG100L-6	○	○	○	○	○	○				YTG112M-6	●者为means YTG132S-6
		650		○	○	○	○	○	○					
		500	YTG132S-8	○	○	○	○	○	○					
		650		○	○	○	○	○	○					
		500	YTG132M-8	○	○	○	○	○	○					
		650		○	○	○	○	○	○					
		800		○	○	○	○	○	○					
		500	YTG132M ₁ -6	○	○	○	○	○	○					
		800		○	○	○	○	○	○					
		500	YTG132S-4	○	○	○	○	○	○					
		650		○	○	○	○	○	○					
500	5.5	650	YTG132M ₂ -6D	○	○	○	○	○	○				YTG132S-4	●者为means YTG100L1-4 YTG112M-4
		800		○	○	○	○	○	○					
		1000	YTG132S-4	○	○	○	○	○	○					
		650		○	○	○	○	○	○					
		800	YTG132M-4C	○	○	○	○	○	○					
		1000		○	○	○	○	○	○					
		500	YTG100L-6	○	○	○	○	○	○					
		650		○	○	○	○	○	○					
		1000		○	○	○	○	○	○					
		500	YTG132S-8	○	●	●	●	●	○	○	○	○	YTG100L2-4 YTG112M-4	●者为means YTG132S-6
		650		○	●	●	●	●	○	○	○	○		
500	7.5	800		○	●	●	●	●	○	○	○	○		
		1000	YTG132M-8	○	●	●	●	●	○	○	○	○		
		500		○	●	●	●	●	○	○	○	○		
		650	YTG100L-6	○	●	●	●	●	○	○	○	○		
		800		○	●	●	●	●	○	○	○	○		
		1000		○	●	●	●	●	○	○	○	○		
		500	YTG132M ₂ -6C	○	○	○	○	○	○	○	○	○		
		650		○	●	●	●	●	○	○	○	○		
		800	YTG160M ₂ -8	○	●	●	●	●	○	○	○	○	YTG132S-4 YTG160M-4B	●者为means YTG132M2-6B YTG160M-6B
		1000		○	●	●	●	●	○	○	○	○		
500	11	500	YTG160M-6C	●	●	●	●	●	○	○	○	○		
		650		○	●	●	●	●	●	●	●	●		
		800	YTG160L-8	○	●	●	●	●	●	●	●	●		
		1000		○	●	●	●	●	●	●	●	●		
		650	YTG160L-6B	○	○	○	○	○	○	○	○	○		
		800		○	○	○	○	○	○	○	○	○		
		1000		○	○	○	○	○	○	○	○	○		
		650	YTG180L-6	○	○	○	○	○	○	○	○	○		
		800		○	○	○	○	○	○	○	○	○		
		1000		○	○	○	○	○	○	○	○	○		

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筒径 D (mm)	电机功率 P Power (kw)	带宽 B Width (mm)	电机型号 Type	带速 V Belt speed(m/s)									电机型号 Type	备注 Reference
				0.63	0.8	1.0	1.25	1.6	2.0	2.5	3.15	4.0		
3	3	650	YTG132M-8	○	●	●	○	○	○	○	○	○	YTG100L ₂ -4	●者为means YTG132S-6
		800		○	●	●	●	○	○	○	○	○		
		1000		○	●	●	●	○	○	○	○	○		
		1200		○	●	●	●	○	○	○	○	○		
4	4	650	YTG160M ₁ -8	●	●	●	●	○	○	○	○	○	YTG112M-4	●者为means YTG132M ₁ -6
		800		○	●	●	●	○	○	○	○	○		
		1000		○	●	●	●	○	○	○	○	○		
		1200		○	●	●	●	○	○	○	○	○		
5.5	5.5	650	YTG132M ₂ -6A	○	○	○	○	○	○	○	○	○	YTG132S-4	●者为means YTG132M ₂ -6B
		800		○	●	●	●	○	○	○	○	○		
		1000		○	●	●	●	○	○	○	○	○		
		1200		○	●	●	●	○	○	○	○	○		
7.5	7.5	650	YTG160M-6A	○	○	○	○	○	○	○	○	○	YTG132M-4A	●者为means YTG160M-6B
		800		○	●	●	●	●	○	○	○	○		
		1000		○	●	●	●	●	○	○	○	○		
		1200		○	●	●	●	●	○	○	○	○		
630	11	650	YTG160L-6A	○	○	○	○	○	○	○	○	○	YTG160M-4A	●者为means YTG160L-6B
		800		○	●	●	●	●	○	○	○	○		
		1000		○	●	●	●	●	○	○	○	○		
		1200		○	●	●	●	●	○	○	○	○		
15	15	650	YTG180L-6A	○	○	○	○	○	○	○	○	○	YTG160L-4A	●者为means YTG160L-4B
		800		○	○	○	○	○	○	○	○	○		
		1000		○	○	○	○	○	○	○	○	○		
		1200		○	○	○	○	○	○	○	○	○		
18.5	18.5	650	YTG200L1-6A	○	○	○	○	○	○	○	○	○	YTG180M-4A	●者为means YTG180M-4B
		800		●	●	●	●	●	○	○	○	○		
		1000		●	●	●	●	●	○	○	○	○		
		1200		●	●	●	●	●	○	○	○	○		
22	22	650	YTG200L2-6A	○	○	○	○	○	○	○	○	○	YTG180L-4A	●者为means YTG180L-4B
		800		○	○	○	○	○	○	○	○	○		
		1000		○	○	○	○	○	○	○	○	○		
		1200		○	○	○	○	○	○	○	○	○		
5.5	5.5	800	YTG132M ₂ -6B	○	○	○	○	○	○	○	○	○	YTG132M-4B	●者为means YTG160M-6B
		1000		○	○	○	○	○	○	○	○	○		
		1200		○	○	○	○	○	○	○	○	○		
		1400		○	○	○	○	○	○	○	○	○		
7.5	7.5	650	YTG160M-6B	●	●	●	●	●	○	○	○	○	YTG132M-4B	●者为means YTG160M-6B
		800		●	●	●	●	●	○	○	○	○		
		1000		●	●	●	●	●	○	○	○	○		
		1200		●	●	●	●	●	○	○	○	○		
11	11	800	YTG160L-6B	●	●	●	●	●	○	○	○	○	YTG160M-4B	●者为means YTG160L-4B
		1000		●	●	●	●	●	○	○	○	○		
		1200		●	●	●	●	●	○	○	○	○		
		1400		●	●	●	●	●	○	○	○	○		
800	15	800	YTG180L-6	○	○	○	○	○	○	○	○	○	YTG160L-4B	●者为means YTG160L-4B
		1000		○	○	○	○	○	○	○	○	○		
		1200		○	○	○	○	○	○	○	○	○		
		1400		○	○	○	○	○	○	○	○	○		
18.5	18.5	800	YTG200L1-6A	●	●	●	●	●	○	○	○	○	YTG180M-4B	●者为means YTG180M-4B
		1000		●	●	●	●	●	○	○	○	○		
		1200		●	●	●	●	●	○	○	○	○		
		1400		●	●	●	●	●	○	○	○	○		
22	22	800	YTG200L2-6A	●	●	●	●	●	○	○	○	○	YTG180L-4B	●者为means YTG180L-4B
		1000		●	●	●	●	●	○	○	○	○		
		1200		●	●	●	●	●	○	○	○	○		
		1400		●	●	●	●	●	○	○	○	○		

2. YD^T_N 型系列外形安装尺寸 Installation dimension of YD^T_N

(单位 Unit: mm)



D	B	A	L	L ₁	I	H	K	M	N	P	Q	h	n-ds	L ₂	
320	500	850	600	940	95	120	125	90	-	340	280	35	4-27	718	
	650	1000	750	1090										868	
	500	850	600	940										720	
	650	1000	750	1090										870	
400	800	1300	950	1390	95	120	125	90	-	340	280	35	4-27	1070	
	1000	1500	1150	1590										1270	
	500	850	600	940		100	140	70	-	340	280	35	4-27	743	
	650	1000	750	1090										728	
500	1150	1390	1420	1590	115	120	145	90	-	340	280	35	4-27	893	
	1300	950	1420	1620										878	
	1000	1500	1150	1590										1093	
	650	1000	750	1120			120	170	90	340	280	35	4-27	1078	
630	800	1300	950	1420	115	140								1293	
	1000	1500	1150	1430		120	175	90	340	280	35	4-27	1278		
	1200	1750	1400	1620									848		
	1630	1870	1880	170									1048		
800	800	1300	950	1430	115	140	160	170	130	80	400	330	8-27	1248	
	1000	1500	1150	1630										1498	
	1200	1750	1400	1900			160	175	160	90	440	360	50	8-34	1058
	1400	2000	1600	2150										1258	
800	1000	1500	1150	1630	115	140	160	175	130	80	400	330	35	8-27	1508
	1200	1750	1400	1900										1708	

注：本系列滚筒均可带逆止器。

Note: This series rollers can all be equipped with arresters.

二、DY₁型移动式电动滚筒 DY₁ Movable Electric Roller

DY₁ 型移动式电动滚筒是各种移动带式输送机驱动装置，也可供某些固定带式输送机使用。该产品具有结构紧凑、重量轻、占地少、性能可靠、外型美观、安装方便，在粉尘大，潮湿泥泞恶劣条件下仍能正常工作等优点。

Electric roller of DY₁ is a driving device about mobile-belt transfer machine and some fixed. This product has these advantages including simpler structure, light weight, cover smaller land area, more reliable performance, well aspect. Where operating atmospheres are aggressive (the dusty, muddy place) and other bad conditions.



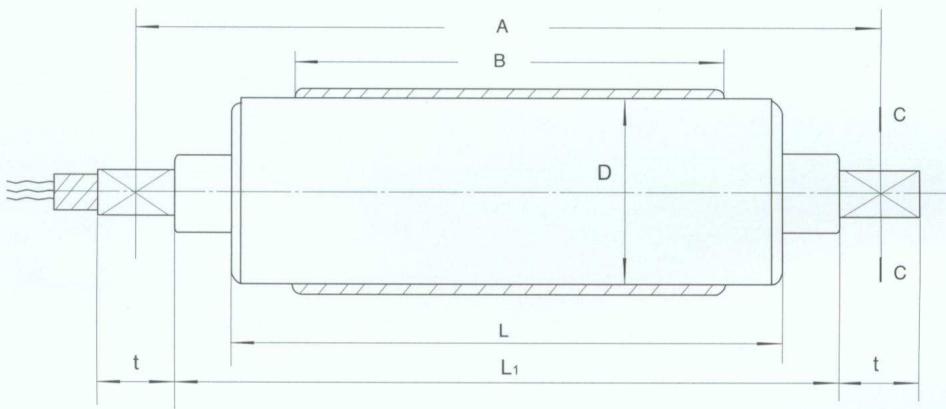
一、DY₁型移动式电动滚筒 Mobile electric roller of DY₁

1. DY₁型系列参数 Specification chart of DY₁

直径 (mm)	功率 (kW)	带宽 (mm)	带速 V Belt speed(m/s)						质量 (kg)
			0.8	1.0	1.25	1.6	2.0	2.5	
250	0.75	400	○	○	○	○	○	○	76
		500	○	○	○	○	○	○	82
		650	○	○	○	○	○	○	91
		400	○	○	○	○	○	○	80
	1.1	500	○	○	○	○	○	○	86
		650	○	○	○	○	○	○	95
		400	○	○	○	○	○	○	83
		1.5	500	○	○	○	○	○	90
	2.2	650	○	○	○	○	○	○	100
		400		○	○	○	○	○	82
		500		○	○	○	○	○	90
		650		○	○	○	○	○	101
320	3.0	400		○	○	○	○	○	92
		500		○	○	○	○	○	102
		650		○	○	○	○	○	112
		400	○	○	○	○	○	○	120
	1.5	500	○	○	○	○	○	○	129
		650	○	○	○	○	○	○	138
		800	○	○	○	○	○	○	148
		2.2	500	○	○	○	○	○	138
	4.0	650	○	○	○	○	○	○	147
		800	○	○	○	○	○	○	157
		500		○	○	○	○	○	144
		650		○	○	○	○	○	157
	5.5	800		○	○	○	○	○	169
		500		○	○	○	○	○	155
		650	○	○	○	○	○	○	167
		800	○	○	○	○	○	○	178

直径 (mm)	功率 (kW)	带宽 (mm)	带速 V Belt speed(m/s)						质量 (kg)
			0.8	1.0	1.25	1.6	2.0	2.5	
400	3.0	500	○	○	○	○	○	○	195
		650	○	○	○	○	○	○	206
		800	○	○	○	○	○	○	217
	4.0	500	○	○	○	○	○	○	184
		650	○	○	○	○	○	○	195
		800	○	○	○	○	○	○	207
	5.5	500			○	○	○	○	215
		650	○	○	○	○	○	○	230
		800	○	○	○	○	○	○	245
	7.5	650		○	○	○	○	○	257
		800	○	○	○	○	○	○	275

2. DY_I 型系列外形安装尺寸 Contour and installation size of DY_I



注：在布置滚筒的位置时，
应使 P 面接近水平。

Note: When Fixing a roller s
Position, the P side should
be placed close to Horizon.

D	B	A	L	L1	t	E	F
250	400	580	460	530			
	500	680	560	630			
	650	850	730	800			
320	400	580	460	530			
	500	680	560	630	50	32	30d9
	650	850	730	800			
	800	1000	880	950			
400	500	680	560	630			
	650	850	730	800			
	800	1000	880	950			

二、JYD 型移动式电动滚筒 JYD mobile electric roller

1. JYD 型系列参数 Specification chart of JYD

筒径 (mm) Diameter	电机功率 Power (kw)	带宽 Width B (mm)	带速 V Belt speed (m/s)									
			0.32	0.4	0.5	0.63	0.8	1.0	1.25	1.6	2.0	2.5
216	0.55	400	△	△	△	△	△	△	△	○	○	
		500	△	△	△	△	△	△	△	○	○	
	0.75	400	△	△	△	△	△	○	○	○	○	
		500	△	△	△	△	△	○	○	○	○	
	1.1	400	△	△	△	△	△	○	○	○	○	
		500	△	△	△	△	△	○	○	○	○	
	1.5	400	△	△	△	△	△	△	△	○	○	
		500	△	△	△	△	△	△	△	○	○	
	0.75	400	△	△	△	△	○	○	○	○	○	
		500	△	△	△	△	○	○	○	○	○	
(240) 250	1.1	650	△	△	△	△	○	○	○	○	○	
		400	△	△	△	△	○	○	○	○	○	
	1.5	500	△	△	△	△	○	○	○	○	○	
		650	△	△	△	△	○	○	○	○	○	
	2.2	400	△	△	△	△	△	△	○	○	○	
		500	△	△	△	△	△	△	○	○	○	○
	3.0	650	△	△	△	△	△	△	○	○	○	
		500					△	△	○	○	○	
	1.5	650				△	△	△	○	○	○	
		800	△	△	△	○	○	○	○	○	○	
320	2.2	400				○	○	○	○	○	○	
		500	△	△	△	○	○	○	○	○	○	
	3.0	650	△	△	△	○	○	○	○	○	○	
		800	△	△	△	○	○	○	○	○	○	
	3.0	500	△	△	△	○	○	○	○	○	○	
		650	△	△	△	○	○	○	○	○	○	
	3.0	800	△	△	△	○	○	○	○	○	○	
		500	△	△	△	○	○	○	○	○	○	
	4.0	650	△	△	△	○	○	○	○	○	○	
		800	△	△	△	○	○	○	○	○	○	
400	5.5	500							○	○	○	
		650	△	△	△	○	○	○	○	○	○	
	7.5	800	△	△	△	○	○	○	○	○	○	
		650						○	○	○	○	
	7.5	800						○	○	○	○	

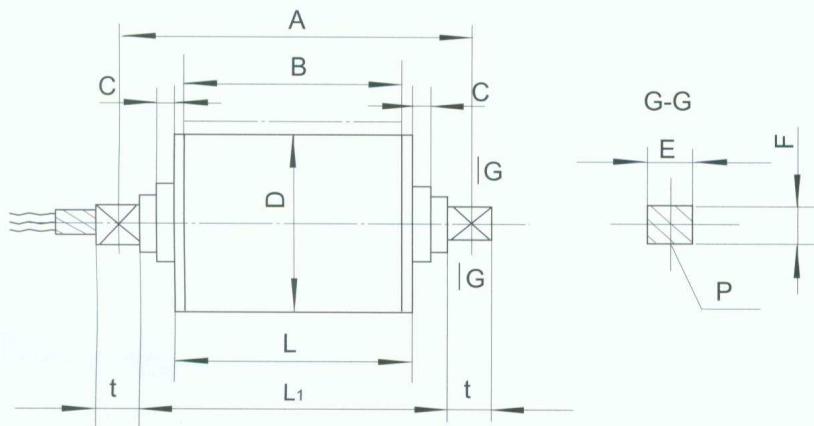
筒径 (mm) Diameter	电机功率 Power (kw)	带宽 Width B (mm)	带速 V Belt speed (m/s)									
			0.32	0.4	0.5	0.63	0.8	1.0	1.25	1.6	2.0	2.5
500	3.0	500		△	△	△	○	○	○	○	○	○
		650		△	△	△	○	○	○	○	○	○
		800		△	△	△	○	○	○	○	○	○
	4.0	500					○	○	○	○	○	○
		650		△	△	△	○	○	○	○	○	○
		800		△	△	△	○	○	○	○	○	○
	5.5	500								○	○	○
		650		△	△	△	△	○	○	○	○	○
		800		△	△	△	△	○	○	○	○	○
	7.5	650		△	△	△	△					
		800		△	△	△	△	○	○	○	○	○
	11	800						○	○	○	○	○

注：“○”表示正常系列，“△”表示三级减速系列。

Note: “○” Means normal series, “△” Means three-reducer series, the numbers showing reference quality.

2. JYD 型系列外形安装尺寸

Contour Dimmension From of JYD type Oil-cooling Electric Roller



注：在布置滚筒的位置时，应使P面接近水平。

Note: When Fixing a roller's Position, the P side should be placed close to Horizon.

D	B	A	L	L1	t	F	E	C
216	400	540	450	490				
	500	630	550	580				
	400	540	450	490		30d9	32	5
	500	630	550	580				
	650	800	710	750	50			
	400	540	450	490				
	500	630	550	580				
	650	800	710	750		30d9(38d9)	32(39)	12
	800	940	850	890				
	500	630	550	580				
320	650	800	710	750				
	500	630	550	580				
	800	940	850	890				
400	650	800	710	750				
	800	950(940)	850	890	60(50)	38d9	39	13
	500	640	550	580				
500	650	810	710	750	60	48d9	49	14
	800	950	850	890				

注：括号内尺寸为带速 V<0.8m/s 时的扁方尺寸。

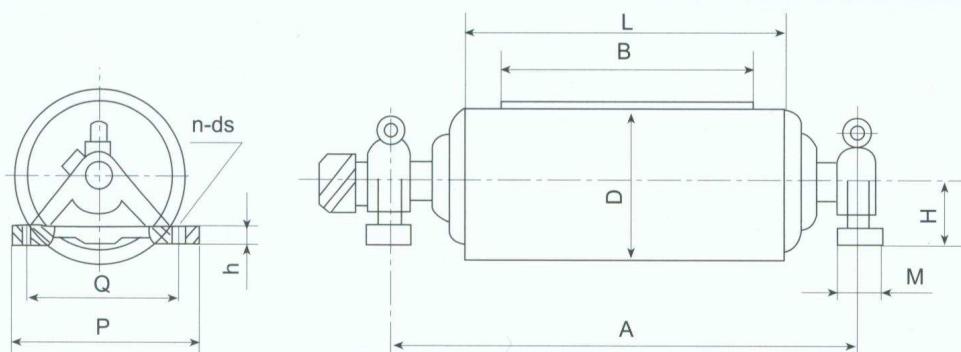
Note: Dimensions in brackets are belt speed V<0.8m/s pancake size.

三、QD 轻型摆线电动滚筒 QD light cycloidal electric roller

1、规格型号参数 The characteristics parameter

筒径 (mm) Diameter	减速机 型号 Type	电机功率 Power (kw)	带宽 Width B (mm)	带速 V Belt speed (m/s)										
				0.32	0.4	0.5	0.63	0.8	1.0	1.25	1.6	2.0	2.5	3.15
240	B15	0.75 1.1	400							1.1 1.5				
		1.5 2.2	500	0.75kW						1.1 1.5		2.2		
300	B18	1.1 1.5	500											
		2.2 3	650	1.1	1.5			2.2				3		
			800											
320	B18	1.1 1.5	500											
		2.2 3.4	650	1.1	1.5	2.2			3			4		
			800									4		
400	B18	1.1 1.5	500											
		2.2 3.4	650	1.1	1.5	2.2			3					
			800											
400	B22	1.1 2.2	500											
		3.4	650	1.5	2.2	3		4	5.5					
		5.5 7.5	800									7.5		

2、外形安装尺寸 The contour installation dimension



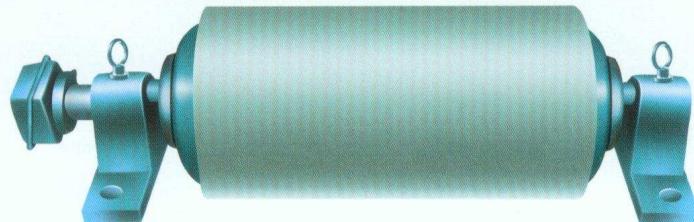
D	B	L	A	H	M	h	Q	P	n	ds
240	400	480	640		40	25	160	200		ø16
	500	580	760	80	50	30	185	230		
300	500	580	760			35	210	250		
	650	730	910						4	
320	650	730	910		60	35	240	300		ø20
	800	900	1100	95						
	500	580	760				210	250		
400	650	730	910			35	240	300		
	800	900	1100	110	70	35	270	330		

四、**YB_TN**型油冷（油浸）式摆线电动滚筒

YB_TN Oil-cooling(oil-immersed) cycloidal electric roller

该系列产品内部采用了油冷式、油浸式和先进的摆线针轮减速机构，摆线轮、针齿等主要件，均用轴承钢制造，具有承载能力大、过载能力强、传动平稳、使用寿命长、维修量小、噪声低、占地少等特点，适用于固定式胶带输送机、斗轮堆取料机做驱动装置。

This series product adopt the advanced technology of oil-cooling, oil-immersed cycloid pin reducer, its main sections cycloid wheel, pin tooth are made by bearing steel. So it has many advantages, including big loading capacity, strong overloading capacity, smooth transmission, long using life, merely manitance, low noise and cover small area. It is suitable as the driving to the fix belt transfer and the bucket wheel stacker and peclaimer.



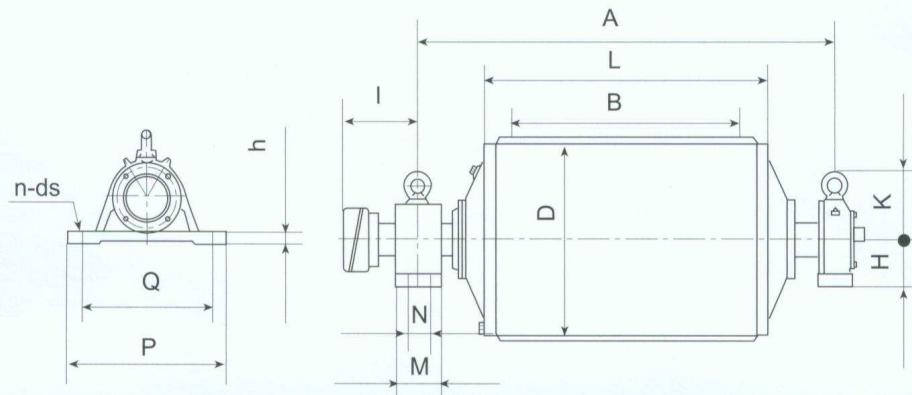
1. **YB_TN**型系列参数 Specification chart of **YB_TN**

筒径 (mm) Diameter	减速机 型号 Type	电机功率 Power (kw)	带宽 Width B (mm)	带速 V Belt speed (m/s)									
				0.32	0.4	0.5	0.63	0.8	1.0	1.25	1.6	2.0	2.5
280	B18	1.5	500										
		2.2	650	1.5									
		3	800		2.2								3
320	B18	1.1	500										
		1.5	650										
		2.2	800										
		3	1000										
400	B18	1.1	500										
		1.5	650										
		2.2	800										
		3	1000										
400	B22	2.2	500										
		3	650										
		4	800										
		5.5	1000										
400	B22	7.5	500										
		1.5	650										
		2.2	800										
		3	1000										
500	B22	4	500										
		5.5	650										
		7.5	800										
		11	1000										
500	B27	5.5	500										
		7.5	650										
		11	800										
		12	1000										
500	B33	4	500										
		5.5	650										
		7.5	800										
		11	1000										
500	B33	15	500										
		15	650										
		22	800										
		22	1000										
630	B27	4	500										
		5.5	650										
		7.5	800										
		11	1000										
630	B33	4	500										
		5.5	650										
		7.5	800										
		11	1000										
630	B33	15	500										
		15	650										
		22	800										
		22	1000										
630	B39	7.5	500										
		11	650										
		15	800										
		18.5	1000										
630	B39	22	500										
		30	650										
		30	800										
		30	1000										
630	B39	30	1200										
		30	1400										

筒径 (mm) Diameter	减速机 型号 Type	电机功率 Power (kw)	带宽 Width B (mm)	带速 V Belt speed (m/s)											
				0.32	0.4	0.5	0.63	0.8	1.0	1.25	1.6	2.0	2.5	3.15	4.0
630	B45	15 18.5	800												
		22 30	1000												
		37	1200												
	B39	7.5 11	1400												
		15 18.5	800												
		22 30	1000												
800	B45	15 18.5	1200												
		22 30	1400												
		37	800												
	B45	15 18.5	1000												
		22 30	1200												
		37	1400												

Note: 1. 表中配 B18~B33 型将优先选用 4 极电动机，配 B39~B45 型选用 6 极电动机。1. 4 stage motor is applied for B18 ~ B33, 6 stage motor is applied for B39 ~ B45. 2. 表中粗线框内型号采用双级摆线。2. The type in thick line above means only double stage cycloidal.

2. $Y_B^T N$ 型系列外形安装尺寸 Contour and installation size of $Y_B^T N$



D	B	A	L	I	H	K	M	N	P	Q	h	n-ds
280	500	850	600									
	650	1000	750		100			70				4-27
	800	1300	950									
	500	850	600	95		125			/	340	280	35
320	650	1000	750		120			90				
	800	1300	950									
	500	850	600									
	650	1000	750									
400	800	1300	950	120	140	90	/		340	280	35	4-27
	1000	1500	1150									
	500	850	600	95								
	650	1000	750									
500	800	1300	950	120	/	90	/		340	280	35	4-27
	1000	1500	1150		200							
	1200	1750	1400									
	650	1000	750	120	180	90	/		340	280	35	4-27
630	800	1300	950									
	1000	1500	1150	115	160	195		80				
	1200	1750	1400					160	440	360	45	
	1400	2000	1600		200			90				
800	800	1300	950									
	1000	1500	1150	115	160	195		80				
	1200	1750	1400					160	440	360	45	
	1400	2000	1600		200			90				

注：本系列电动滚筒均可配带逆止器。 Note: This series rollers can all be equipped with arresters.

五、JA_N^T型油浸式硬齿面齿轮滚筒

JA_N^T oil-immersed gear wheel electric roller

JA_N^T型油浸式硬齿面齿轮滚筒是我公司根据市场需求设计的新型系列电动滚筒，其内部齿轮采用硬齿面材料生产，因此大大提高了电动滚筒的使用寿命。此外，科学的冷却系统，先进的热处理工艺，独特的结构设计，使产品受到广大用户好评，广泛应用于电力、港口、矿山等大中型输送设备上。

JA_N^T series oil-immersed electric roller, being a updated product, applies hard tooth material for inner gear, which guarantee long service life. The roller is welcomed for scientific cooling system, superior heat treatment and special design. This product can applied in middle/large transport equipment in electricity, port and mining industry.

1. JA_N^T型系列参数

Specification chart of JA_N^T electric roller

筒径 (mm) Diameter	型式 Type	电机功率 Power (kw)	筒宽		带速 V Belt speed (m/s)										安装 中心距 mm	
			B _{min} (mm)	B _{max} (mm)	0.25	0.32	0.40	0.50	0.63	0.80	1.00	1.25	1.60	2.00	2.50	3.15
320	I	1.5			○	○	○	○	○	○	○					
		2.2				○	○	○	○	○	○	○	○	○	○	
		3.0	500	1150			○	○	○	○	○	○	○	○	○	
		4.0					○	○	○	○	○	○	○	○	○	
		5.5						○	○	○	○	○	○	○	○	
		1.5					○	○	○	○	○	○	○			
400	I	2.2					○	○	○	○	○	○	○	○	○	
		3.0	500								○	○	○	○	○	○
		4.0								○	○	○	○	○	○	
		5.5									○	○	○	○	○	
		2.2	600	1150	○	○	○	○								
		3.0	700		○	○										
500	II	4.0	600				○	○	○							
		5.5					○	○	○							
		7.5	700					○	○	○						
		600										○	○	○		
		1.5	600				○	○	○	○	○					
		2.2					○	○	○	○	○	○				
500	I	2.2	700				○	○	○							
		3.0														
		4.0	600	1600				○	○	○	○	○	○	○	○	
		5.5						○	○	○	○	○	○	○	○	
		7.5	700								○					
		600										○	○			

A=B+102配KL60型支座

A=B+112配KL70型支座

TAILONG MACHINERY

筒径 (mm) Diameter	型式 Type	电机功率 (kw) Power	筒宽		带速 V Belt speed (m/s)												安装 中心距 mm
			B _{min} (mm)	B _{max} (mm)	0.25	0.32	0.40	0.50	0.63	0.80	1.00	1.25	1.60	2.00	2.50	3.15	4.00
500	II	4.0						○		○							
		750						○		○							
		5.5						○		○							
		650									○						
		850	1600					○		○							
	I	11	750								○						
		15	850								○						
		18.5	3.0	750				○		○							
		650	650								○						
		4.0	750	1600				○		○							
630	II	5.5	750	650	1600			○		○							
		850	1600					○		○							
		7.5	750	650							○						
		11	750								○						
		15	850								○						
	I	18.5	11	950	1600							○					
		15	30								○						
		37									○						
		45	45	1000							○						
		5.5	750					○		○							
800	I	7.5	850					○		○							
		11	750								○						
		15	850								○						
		18.5	1600								○						
		11									○						
	II	15									○						
		18.5	950	1600							○						
		22									○						
		30									○						
		37									○						
1000	III	45	45	1000							○						
		5.5	1200								○						
		18.5	1150	1800							○						
		22									○						
		30									○						
1000	I	37									○						
		45	45	1000							○						
		55	1200								○						
1000	I	55	1200								○						

A=B+112配KL85型支座

A=B+112配KL85型支座

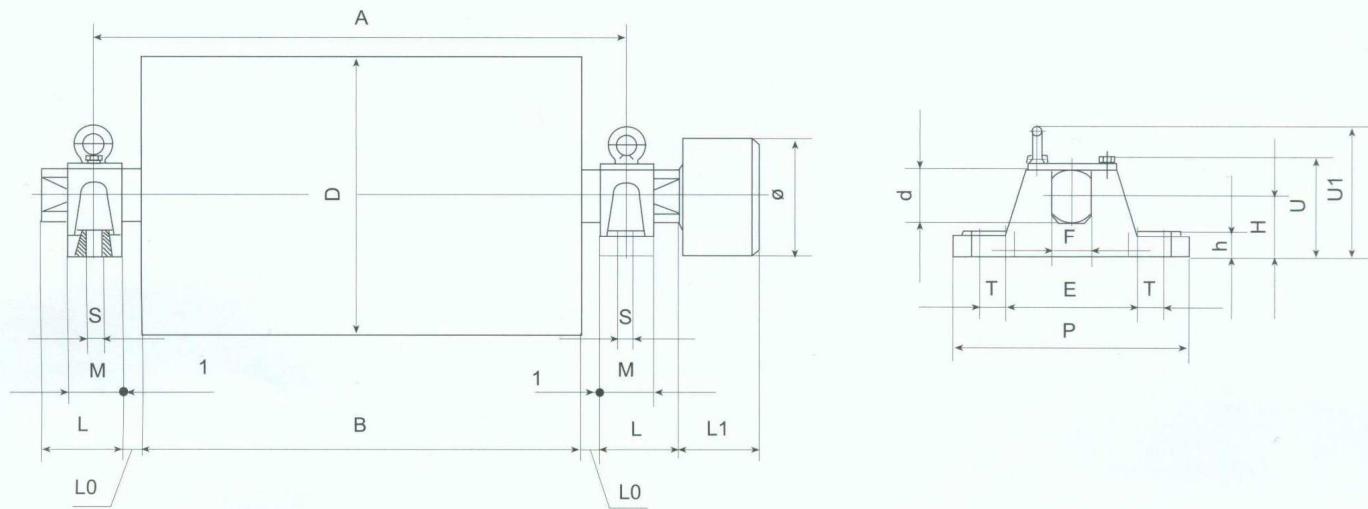
A=B+132配KL100型支座

A=B+132配KL100型支座

A=B+152配KL120型支座

2. JA^T_N型外形安装尺寸 The contour and installation dimension

(1) KL 型安装尺寸 The installation dimension of KL's



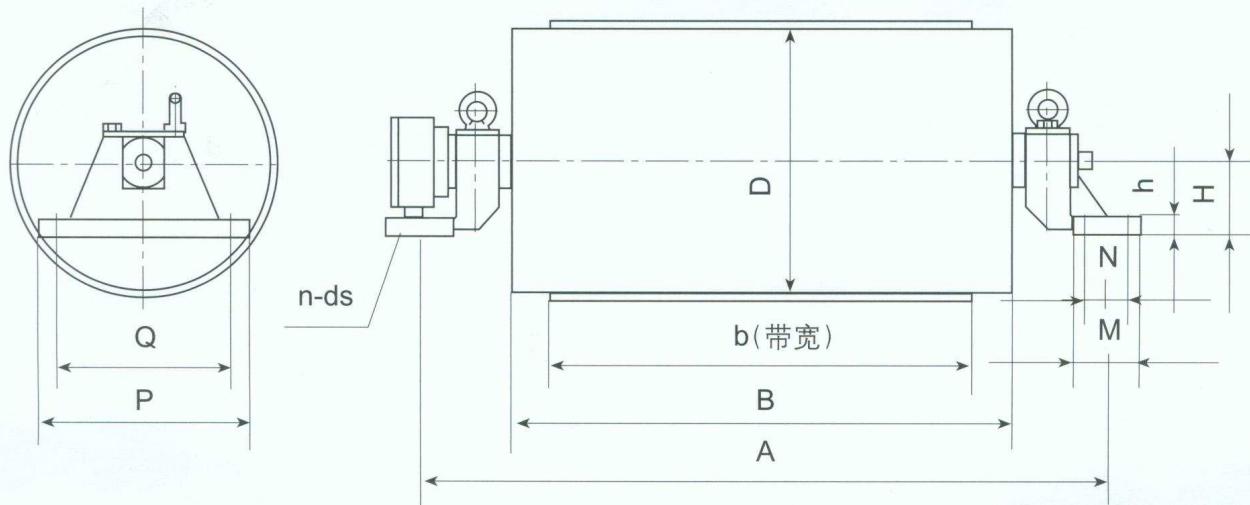
筒径 (mm) Diameter	型式 Type	A=B+2(L0+1)+M				L	S	T	d	E	F	P	h	H	L1	Ø	U	U1
		A	L0+1	M	支座													
320	I			60	KL60		18	30	60	45	150	270	30	70			116	151
400	I			20+1	KL70	90			70	55	190	330	33.5		90	135	148	189
500	II			70		22	35							95				
630	I	B			KL85				85	70	205	345	37			160	208	
	II		25+1	80	KL100	95	ø24	圆孔	100	80	350	410	45	125	175	260	203	257
	I		20+1	70	KL85	90	22	35	85	70	205	345	37	95	90	135	160	208
800	II			80	KL100	95	ø24	圆孔	100	80	350	410	45	125	175	260	203	257
1000	III	25+1		100	KL120	120	ø30	圆孔	120	100	360	440	65	130	200	325	223	290

注：本系列滚筒均可配带逆止器。 Note: This roller can all be equipped with hold backers.

(2) TZ 型安装尺寸 The installation dimension of TZ's

TZ 型是专为 JA 型电动滚筒安装在 TD75 型带式输送机而设计的。采用 TZ 型支座时电动滚筒的安装尺寸。

The TZ's is designed for JA electric roller which installed on belt transfer machine of TD75 type. The installing dimension of electric roller which apply TZ's is defined in the following table.



	D	b	A	B	H	M	N	p	Q	h	n-ds
320	400	750	500	100	70	-	-	310	250	30	4-27
	500	850	600	120	90	-	-	340	280	35	4-27
	650	1000	750	120	90	-	-	340	280	35	4-27
400	400	750	500	100	70	-	-	310	250	30	4-27
	500	850	600	120	90	-	-	340	280	35	4-27
	650	1000	750	120	90	-	-	340	280	35	4-27
500	500	850	600	100	70	-	-	340	280	35	4-27
	650	1000	750	120	90	-	-	340	280	35	4-27
	800	1300	950	120	90	-	-	340	280	35	4-27
630	650	1000	750	120	90	-	-	340	280	35	4-27
	800	1300	950	140	130	80	-	400	330	35	8-27
	1000	1500	1150	140	130	80	-	400	330	35	8-27
	1200	1750	1400	160	160	90	-	440	360	50	8-34
	800	1400	2000	1600	160	160	90	440	360	50	8-34

注：本系列滚筒均可配带逆止器。 Note: This roller can all be equipped with hold backers.

六、JX^T_N型油浸式行星电动滚筒

JX^T_N Oil-immersed planetary gear wheel electric roller

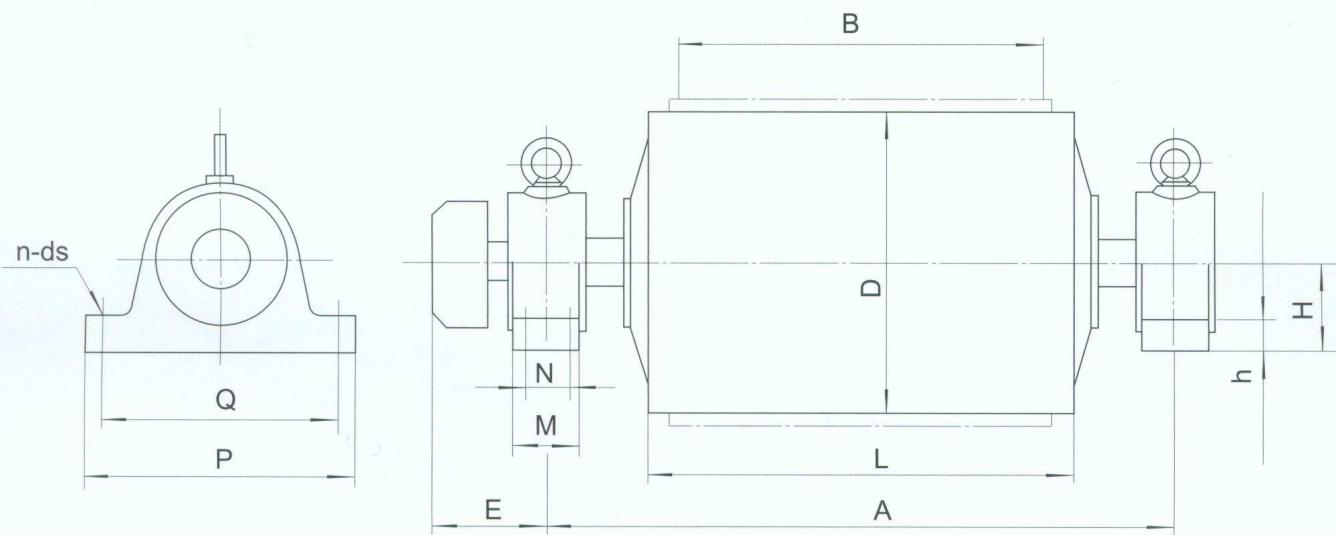
JX^T_N型油浸式行星电动滚筒是本公司为大中型皮带机配套的产品。电机采用油浸直接冷却，配用行星齿轮减速，扭矩大、精度高、噪声低、滚筒全密封，无渗漏，可用于粉尘大、潮湿等环境恶劣的场所，是皮带输送机、斗轮堆取料机、装卸船机理想的驱动装置。

JX^T_N type oil-steeped motorized drum, produced as the latest technology imported from germany, is a product for large and medium type belt conveyors, in which oil-steeped motor drives the advanced planetary gear reducers, high precision and low noise are its advantages. Motorized drum is totally enclosed and guarantee against the seepage of oil, therefore able to operate in humid and dust conditions, for extremely rough conditions a special seal is available. As a ideal driving device for the Bucket wheel stacker and Reclaimer, load and unload machines, this type motorized drum are widely used in mines factories harbours, etc.

1. JX^T_N型系列参数 Specification chart of JX^T_N

筒径 (mm) Diameter	电机功率 Power (kw)	带宽 Width B (mm)	带速 V Belt speed (m/s)					
			1.0	1.25	1.6	2.0	2.5	3.15
630	30	18.5	○	○	○	○	○	○
		22	○	○	○	○	○	○
		800	○	○	○	○	○	○
		37	○	○	○	○	○	○
		1200	○	○	○	○	○	○
800	22	18.5	○	○	○	○	○	○
		22	○	○	○	○	○	○
		30	○	○	○	○	○	○
		37	○	○	○	○	○	○
		45	○	○	○	○	○	○
1000	30	55	○	○	○	○	○	○
		18.5	○	○	○	○	○	○
		1000	○	○	○	○	○	○
		22	○	○	○	○	○	○
		1200	○	○	○	○	○	○
1000	37	30	○	○	○	○	○	○
		37	○	○	○	○	○	○
		45	○	○	○	○	○	○
		55	○	○	○	○	○	○
		1400	○	○	○	○	○	○

2. JX^T_N 型系列外形安装尺寸 Contour and Installation Dimensions



D	B	A	L	H	M	N	P	Q	h	n-ds	E
630	800	1300	950	140	130	80	400	330	50	8-27	
	1000	1500	1150	140	130	80	400	330	50	8-27	
	1200	1750	1400	160	150	90	440	360	50	8-34	200
	1400	2000	1600	160	150	90	440	360	50	8-34	
800	800	1300	950	140	130	80	400	330	50	8-27	
	1000	1500	1150	140	130	80	400	330	50	8-27	
	1200	1750	1400	160	150	90	440	360	50	8-34	
	1400	2000	1600	160	150	90	440	360	50	8-34	
1000	1000	1500	1150	140	130	80	400	330	50	8-27	250
	1200	1750	1400	160	150	90	440	360	50	8-34	
	1400	2000	1600	160	150	90	440	360	50	8-34	

第三部分 外置式电动滚筒 Part 3. out-side electric roller

一、外置式电动滚筒概述 Brief of outside electric roller

外置式电动滚筒是将电动机装在滚筒体的外面、减速机构装在滚筒体内部的一种新型电动驱动装置。它不但具有原电动滚筒的所有优点，而且克服了电动机散热条件差、容易烧损、使用功率受到限制的弱点，其功率可达 160kW 甚至更大。

外置式电动滚筒有 I 型、II 型和 III 型三种安装型式，可满足不同场合的安装需要；内部减速传动结构目前也有三种：定轴齿轮、摆线针轮、行星齿轮，每一种都经过精心设计，使用安全可靠。

配套动力采用 Y 系列标准电机，如选用 YB 系列隔爆型电机，则可应用于有隔爆要求的场合，因此外置式电动滚筒各种型号均可派生成隔爆型。

本公司生产的外置式电动滚筒配用(GB5014-85)HL 型弹性柱销式联轴器；对于大功率的，为改善起动性能，可采用 YOX 限矩型液力偶合器代替联轴器；有制动要求的可加装制动器，制动器采用 YWZ₅ 型电力液压块式制动器，并对应配套使用带有制动轮的同等规格联轴器或偶合器；有单向逆止要求的可加配逆止器。

本公司可为用户设计电机支架和制动器、联轴器、液力偶合器防护罩等，设计系根据用户要求进行。

本公司生产的外置式电动滚筒已广泛应用于港口、矿山、冶金、电力等各部门的大、中型带式输送机上，受到用户的一致好评。



External Electric Roller is a new kind of Electric Roller, the motor is installed outside the body of roller, and the reducing mechanism is installed inside the body of Roller. It overcomes the shortcoming of poor radiating condition and limited working power, now the working power is up to 160kW and even bigger.

This series have three installing types, type I , type II and type III in different occasions. Samely, it has three transmission types inside, fixed gear transmission, cycloid pin wheel and planet gear.

Allocated motor of this series is Standard motor of Y-series. If you select flameproof motor of YB-series, this roller may be used in the field needed flameproof. There fore, all types of the out-side assembly electric roller has own flameproof s.

External electric roller produced by our company may be allocated model-HL elastic plug coupler (GB5014-85) and as for high-power External electric roller, may replace coupler by model-YOX limit-momend hydrodynamic coupling to improve the strting performace. And may allocate brake additionally to obtain brake performace. And this brake may adopt model-YWZ electric and hydrodynamic pusher brake, and allocate connector or coupler which has brake wheel accordingly. And as for needing the function of one-way cut-off, may allocate arrester.

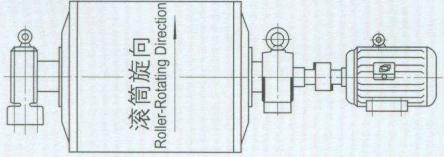
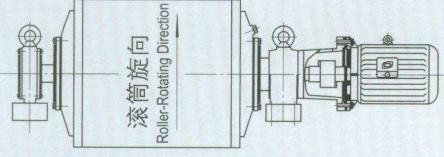
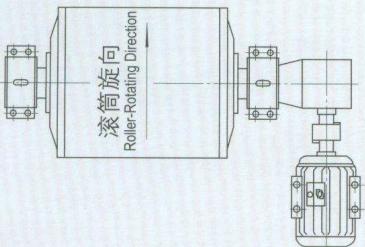
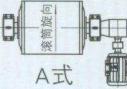
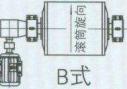
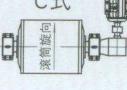
We can design motor frame and protection shell of brake , connector coupler etc. according to customers s demand.

This kind of roller produced by our company has been used widely in bigsized and medium-sized conveyors in the fields of port, mine, metallurgy electric industry and well received by the users.

二、外置式电动滚筒类型分类

Classification of outside electric roller

外置表— Table 1

W I 型卧式电机直列型外装电动滚筒 Model-WI Horizontal Motor In-line External Electric Roller	型号 Model	名称 Name	功率范围 (kw) Power Range
	W _I □T _G	卧式直列联轴器型 ("T"可不标注, 下同) Horizontal In-line Coupler Type ("T" is omitted, and similarly hereinafter)	1.5~160kw
	W _I □T _Y	卧式直列液力偶合器型 Horizontal In-line Hydrodynamic Coupling Type	
	W _I □N _G	卧式直列逆止联轴器型 Horizontal In-line Non-return Coupling Type	
	W _I □N _Y	卧式直列逆止液力偶合器型 Horizontal In-line Non-return Hydrodynamic Coupling type	
	W _I □Z _G	卧式直列制动联轴器型 Horizontal In-line Braking Coupling Type	
	W _I □Z _Y	卧式直列制动液力偶合器型 Horizontal In-line Braking Hydrodynamic Coupling Type	
W II 型立式电机直联联轴器型外装电动滚筒 Model-WII Vertical Motor coupled-type	型号 Model	名称 Name	功率范围 (kw) Power Range
	W _{II} □T _G	立式电机直联联轴器型 Vertical Motor Coupled-type Coupling Type	1.5~37kW
	W _{II} □N _G	立式电机直联逆止联轴器型 Vertical Motor Coupled-type Non-return Coupler Type	
W III 型卧式电机垂直型外装电动滚筒 Model-WIII Horizontal Motor Vertical External Electric Roller	型号 Model	名称 Name	功率范围 (kw) Power Range
	W _{III} □T _G	卧式垂直联轴器型 Horizontal Vertical-Coupled Type	18.5~90kw
	W _{III} □T _Y	卧式垂直液力偶合器型 Horizontal Vertical-Hydrodynamic Coupling Type	
	W _{III} □N _G	卧式垂直逆止联轴器型 Horizontal Vertical-Non-return Coupling Type	
	W _{III} □N _Y	卧式垂直逆止液力偶合器型 Horizontal Vertical-Non-return Hydrodynamic Coupling Type	
	W _{III} □Z _G	卧式垂直制动联轴器型 Horizontal Vertical-Braking Coupling Type	
	W _{III} □Z _Y	卧式垂直制动液力偶合器型 Horizontal Vertical-Braking Hydrodynamic Coupling Type	
 A式			
 B式			
 C式			
 D式			

三、外置式电动滚筒规格选用 Selection of outside electric roller

(1) WD_N^T 型系列参数 WD_N^T Parameter table

外置表二 Table 2

筒径 diameter D (mm)	功率 power P (kw)	带宽 belt width B (mm)	带速 V belt speed (m/s)								筒径 diameter D (mm)	功率 power P (kw)	带宽 belt width B (mm)	带速 V belt speed (m/s)								
			0.63	0.8	1.0	1.25	1.6	2.0	2.5	3.15				0.63	0.8	1.0	1.25	1.6	2.0	2.5	3.15	4.0
320	4.0	1.5	400	○	○	○	○	○	○	○	500	18.5	400	○	○	○	○	○	○	○	○	
		2.2	500	○	○	○	○	○	○	○		22	500	○	○	○	○	○	○	○	○	
		3.0	650	○	○	○	○	○	○	○		3.0	650	○	○	○	○	○	○	○	○	
		4.0	800	○	○	○	○	○	○	○		4.0	800	○	○	○	○	○	○	○	○	
		5.5	400	○	○	○	○	○	○	○		1000	○	○	○	○	○	○	○	○	○	
	7.5	500	500	○	○	○	○	○	○	○	630	500	○	○	○	○	○	○	○	○	○	
		650	650	○	○	○	○	○	○	○		1200	○	○	○	○	○	○	○	○	○	
		800	800	○	○	○	○	○	○	○		5.5	500	○	○	○	○	○	○	○	○	○
		1.5	400	○	○	○	○	○	○	○		7.5	650	○	○	○	○	○	○	○	○	○
		2.2	500	○	○	○	○	○	○	○		11	800	○	○	○	○	○	○	○	○	○
400	4.0	3.0	650	○	○	○	○	○	○	○	18.5	15	1000	○	○	○	○	○	○	○	○	○
		3.0	800	○	○	○	○	○	○	○		1200	○	○	○	○	○	○	○	○	○	○
		4.0	400	○	○	○	○	○	○	○		1400	○	○	○	○	○	○	○	○	○	○
		5.5	500	○	○	○	○	○	○	○		500	○	○	○	○	○	○	○	○	○	○
		650	650	○	○	○	○	○	○	○		650	○	○	○	○	○	○	○	○	○	○
	7.5	800	800	○	○	○	○	○	○	○	22	800	○	○	○	○	○	○	○	○	○	○
		1000	1000	○	○	○	○	○	○	○		1000	○	○	○	○	○	○	○	○	○	○
		4.0	400	○	○	○	○	○	○	○		1200	○	○	○	○	○	○	○	○	○	○
		5.5	500	○	○	○	○	○	○	○		1400	○	○	○	○	○	○	○	○	○	○
		7.5	650	○	○	○	○	○	○	○		650	○	○	○	○	○	○	○	○	○	○
500	4.0	800	800	○	○	○	○	○	○	○	37	800	○	○	○	○	○	○	○	○	○	○
		1000	1000	○	○	○	○	○	○	○		1000	○	○	○	○	○	○	○	○	○	○
		4.0	400	○	○	○	○	○	○	○		1200	○	○	○	○	○	○	○	○	○	○
		5.5	500	○	○	○	○	○	○	○		1400	○	○	○	○	○	○	○	○	○	○
		7.5	650	○	○	○	○	○	○	○		650	○	○	○	○	○	○	○	○	○	○
	7.5	800	800	○	○	○	○	○	○	○	5.5	800	○	○	○	○	○	○	○	○	○	○
		1000	1000	○	○	○	○	○	○	○		1000	○	○	○	○	○	○	○	○	○	○
		4.0	400	○	○	○	○	○	○	○		1200	○	○	○	○	○	○	○	○	○	○
		5.5	500	○	○	○	○	○	○	○		1400	○	○	○	○	○	○	○	○	○	○
		7.5	650	○	○	○	○	○	○	○		650	○	○	○	○	○	○	○	○	○	○
500	7.5	800	800	○	○	○	○	○	○	○	18.5	800	○	○	○	○	○	○	○	○	○	○
		1000	1000	○	○	○	○	○	○	○		1000	○	○	○	○	○	○	○	○	○	○
		4.0	400	○	○	○	○	○	○	○		1200	○	○	○	○	○	○	○	○	○	○
		5.5	500	○	○	○	○	○	○	○		1400	○	○	○	○	○	○	○	○	○	○
		7.5	650	○	○	○	○	○	○	○		650	○	○	○	○	○	○	○	○	○	○
	11	800	800	○	○	○	○	○	○	○	30	800	○	○	○	○	○	○	○	○	○	○
		1000	1000	○	○	○	○	○	○	○		1000	○	○	○	○	○	○	○	○	○	○
		4.0	400	○	○	○	○	○	○	○		1200	○	○	○	○	○	○	○	○	○	○
		5.5	500	○	○	○	○	○	○	○		1400	○	○	○	○	○	○	○	○	○	○
		11	650	○	○	○	○	○	○	○		650	○	○	○	○	○	○	○	○	○	○

(2) WB^T_N型系列参数 WB^T_N Parameter table

外置表三 Table 3

筒径D Diameter (mm)	减速机 型号 Type	电动功率 motor power (kw)	带宽 B belt width (mm)	带速 V Belt speed (m/s)										
				0.32	0.4	0.5	0.63	0.8	1.0	1.25	1.6	2.0	2.5	3.15
许配最大功率(kW)														
400	B18	1.1 1.5 2.2 3.4	500 650 800		1.1	1.5	2.2			3.0				4
		1.5 2.2 3.4 5.5 7.5	500 650 800 1000		1.5	2.2	3	4	5.5				7.5	
		1.5 2.2 3.4 5.5 7.5	500 650 800 1000		1.5	2.2	3	4/5.5				7.5		
	B22	2.2 3 4 5.5 7.5 11 15	500 650 800 1000	2.2	3	4		5.5	7.5	11			15	
		4 5.5 7.5 11 15 18.5 22	500 650 800 1000	4/5.5	5.5	7.5	11	15		18.5			22	
		4 5.5 7.5 11 15	650 800 1000 1200		3	4	4	5.5	7.5	11			15	
500	B27	5.5 7.5 11 15 18.5 22	800 1000 1200 1400		5.5	5.5	7.5		11	15/18.5	18.5		22	
		7.5 11 15 18.5 22 30	800 1000 1200 1400	5.5/7.5		11	15/18.5	18.5		22			30	
		11 15 18.5 22 30 37 45	800 1000 1200 1400	11	11/15	18.5	22	30		37			45	
	B33	5.5 7.5 11 15 18.5 22	800 1000 1200 1400		5.5	5.5	7.5		11	15	18.5		22	
		7.5 11 15 18.5 22 30	800 1000 1200 1400	5.5/7.5		11	15/18.5	18.5		22			30	
		11 15 18.5 22 30 37 45	800 1000 1200 1400	11	11/15	18.5	22	30		37			45	
630	B39	7.5 11 15 18.5 22 30	800 1000 1200 1400											
		11 15 18.5 22 30 37 45	800 1000 1200 1400	11	11/15	18.5	22	30		37			45	
		5.5 7.5 11 15 18.5 22	800 1000 1200 1400		5.5	5.5	7.5		11	15	18.5		22	
	B45	7.5 11 15 18.5 22 30	800 1000 1200 1400											
		11 15 18.5 22 30 37 45	800 1000 1200 1400	11	11/15	18.5	22	30		37			45	
		5.5 7.5 11 15 18.5 22	800 1000 1200 1400											
800	B39	7.5 11 15 18.5 22 30	800 1000 1200 1400		7.5		11	15	18.5	22			30	
		11 15 18.5 22 30 37 45	800 1000 1200 1400	11	11/15	18.5	22	30		37			45	
		5.5 7.5 11 15 18.5 22	800 1000 1200 1400											
	B45	11 15 18.5 22 30 37 45	800 1000 1200 1400											
		5.5 7.5 11 15 18.5 22	800 1000 1200 1400											
		7.5 11 15 18.5 22 30	800 1000 1200 1400											

Note: 1. 表中配 B18~B33 将优先选用 4 极电动机，配 B39~B45 选用 6 极电动机。1. 4 stage motor is applied for B18~B33; 6 stage motor is applied for B39~B45.

2. 表中粗线框内型号采用双级摆线传动减速。2. The type in thick line above means double stage cycloidal transmitting reduction is applied.

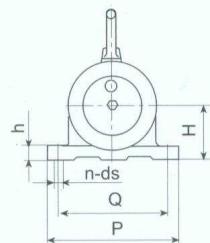
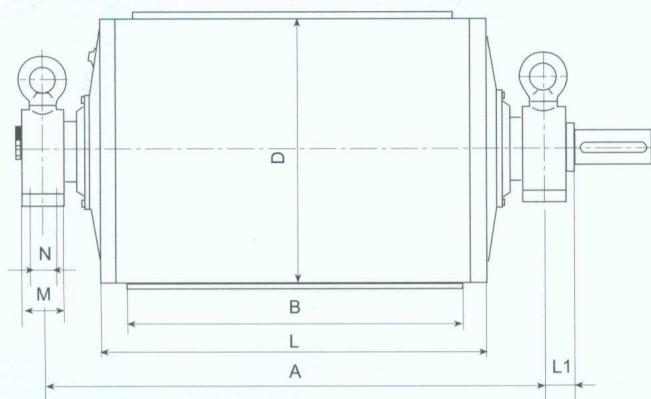
(3) WX^T_N 型系列参数 WX^T_N Parameter table

外置表四 Table 4

筒径 D Diameter (mm)	功率 P power (kw)	带宽 B belt width (mm)	带速 V Belt speed (m/s)							
			0.8	1.0	1.25	1.6	2.0	2.5	3.15	4.0
500	18.5	500	○	○	○	○	○	○	○	○
	22	650	○	○	○	○	○	○	○	○
	30	800	○	○	○	○	○	○	○	○
	37	1000	○	○	○	○	○	○	○	○
	18.5	650	○	○	○	○	○	○	○	○
	22	800	○	○	○	○	○	○	○	○
	30	1000	○	○	○	○	○	○	○	○
	37	1200	○	○	○	○	○	○	○	○
630	45	1400	○	○	○	○	○	○	○	○
	55		○	○	○	○	○	○	○	○
	18.5		○	○	○	○	○	○	○	○
	22		○	○	○	○	○	○	○	○
	30		○	○	○	○	○	○	○	○
	37	800	○	○	○	○	○	○	○	○
	45	1000	○	○	○	○	○	○	○	○
	55	1200	○	○	○	○	○	○	○	○
800	75	1400	○	○	○	○	○	○	○	○
	90		○	○	○	○	○	○	○	○
	110		○	○	○	○	○	○	○	○
	132			○	○	○	○	○	○	○
	160				○	○	○	○	○	○
	18.5				○	○	○	○	○	○
	22				○	○	○	○	○	○
	30				○	○	○	○	○	○
1000	37				○	○	○	○	○	○
	45	1000			○	○	○	○	○	○
	55	1200			○	○	○	○	○	○
	75	1400			○	○	○	○	○	○
	90				○	○	○	○	○	○
	110				○	○	○	○	○	○
	132					○	○	○	○	○
	160					○	○	○	○	○

四、外置式电动滚筒筒体部分外形及安装尺寸

Part contour and installing of roller body Dimensions



外置表五 Table 5

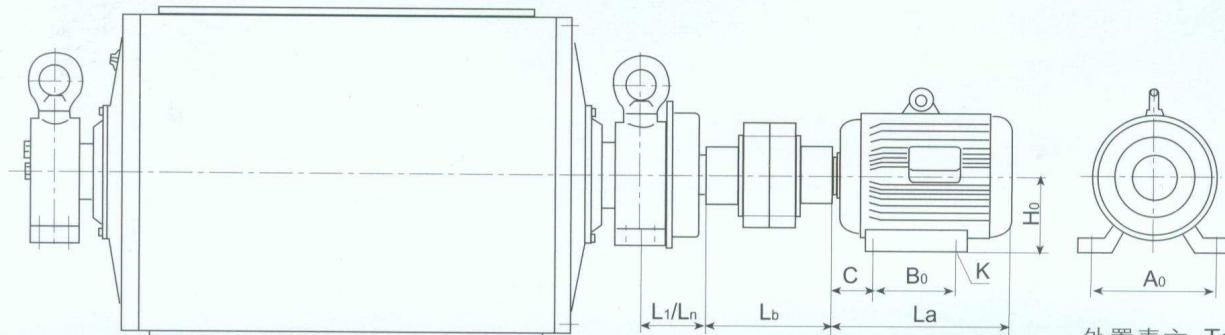
D	B	A	L	H	M	N	P	Q	h	n-ds	L_1	
											$W_{I, II, III(G,y)}$	$W_{I, II, III(G,y)}$
320	400	750	500									
	500	850	600	120	90	-	340	280	35	4-27		90
	650	1000	750									
	800	1300	950									
	400	750	500									
400	500	850	600									
	650	1000	750	120	90	-	340	280	35	4-27		90
	800	1300	950									
	1000	1500	1150									
	400	750	500									
500	500	850	600									
	650	1000	750	120	90	-	340	280	35	4-27		90
	800	1300	950									
	1000	1500	1150									
	650	1000	750									
630	800	1300	950									
	1000	1500	1150	140	130	80	400	330	35	8-27		110
	1200	1750	1400									
	1400	2000	1600	160	160	90	440	360	50	8-34		
	650	1000	750	120	90	-	340	280	35	4-27		90
800	800	1300	950									
	1000	1500	1150	140	130	80	400	330	35	8-27		110
	1200	1750	1400									
	1400	2000	1600	160	160	90	440	360	50	8-34		
	1000	1500	1150	140	130	80	400	330	35	8-27		
1000	1200	1750	1400									
	1400	2000	1600	160	160	90	440	360	50	8-34		110

注：图中 L1 值为输入支座中心到输入轴轴伸肩的尺寸。

Note: The L1 value above is size between central pedestal and input shaft angle.

五、WI型外置式电动滚筒驱动部分外形及安装尺寸

WI Part contour and installing of roller body Dimensions



外置表六 Table 6

电机功率 Motor power (kW)	配联轴器 或偶合器 Shaft connector or mater	制动器 Liquid holddacker	逆止器 (配WX) YWZ ₅ -200/30	安装尺寸							
				L ₁ /L _n	L _b	L _a	H ₀	B ₀	A ₀	C	
Y100L ₁ -4 2.2	HL ₂ YA28X62				126.5	320	100	140	160	63	4-ø12
	HLL ₁ YA28X62		YWZ ₅ -200/30								
Y100L ₂ -4 3.0	HL ₂ YA28X62				126.5	320	100	140	160	63	4-ø12
	HLL ₁ YA28X62		YWZ ₅ -200/30								
Y112M-4 4.0	HL ₂ YA28X62				126.5	340	112	140	190	70	4-ø12
	HLL ₁ YA28X62		YWZ ₅ -200/30								
Y132S-4 5.5	HL ₃ YA38X82				166.5	395	132	140	216	89	4-ø12
	HLL ₃ YA38X82		YWZ ₅ -315/50								
Y132M-4 7.5	HL ₃ YA38X82				166.5	435	132	178	216	89	4-ø12
	HLL ₃ YA38X82		YWZ ₅ -315/50								
Y160M-4 11	HL ₃ YA42X112				226.5	495	160	210	254	108	4-ø15
	HLL ₃ YA42X112		YWZ ₅ -315/50								
Y160L-4 15	HL ₃ YA42X112				226.5	540	160	254	254	108	4-ø15
	HLL ₃ YA42X112		YWZ ₅ -315/50								
Y180M-4 18.5	HL ₄ YA48X112				227						
	HLL ₄ YA48X112	YWZ ₅ -315/80		NJ168	300	560	180	241	279	121	4-ø15
	YOX360				501						
	YOX _z 360	YWZ ₅ -315/80									
Y180L-4 22	HL ₄ YA48X112				227						
	HLL ₄ YA48X112	YWZ ₅ -315/80		NJ168	300	600	180	279	279	121	4-ø15
	YOX360				501						
	YOX _z 360	YWZ ₅ -315/80									

注：表中 L₁ 为不带逆止器的轴伸尺寸对应参照外置表五中的数据。

Note: The L₁ table above is size of no equipped with hold backer, see table 5:External assembly

TAILONG MACHINERY

电机功率 Motor power (kW)	配联轴器 或偶合器 Shaft connector or mater	制动器 Liquid holddacker	逆止器 (配WX)	安装尺寸							
				L1/Ln	Lb	La	H0	B0	A0	C	K
Y200L-4 30	HL ₄ YA55X112										
	HLL ₄ YA55X112	YWZ ₅ -315/80	NJ168	1/2M+140	227						
	YOX360				300	665	200	305	318	133	4-ø19
Y225S-4 37	YOX _Z 360	YWZ ₅ -315/80			501						
	HL ₅ <u>YA60X142</u> YA55X112										
	HLL ₆ <u>YA60X142</u> YA55X112	YWZ ₅ -400/80	NJ168	1/2M+140	257						
Y225M-4 45	YOX400				355	680	225	286	356	149	4-ø19
	YOX _Z 400	YWZ ₅ -315/80			556						
	HL ₅ YA60X142										
Y225M-4 45	HLL ₆ YA60X142	YWZ ₅ -400/80	NJ168	1/2M+140	287						
	YOX400				355	705	225	311	356	149	4-ø19
	YOX _Z 400	YWZ ₅ -315/80			556						
Y250M-4 55	HL ₅ <u>YA65X142</u> YA60X142										
	HLL ₆ <u>YA65X142</u> YA60X142	YWZ ₅ -400/80	NJ168	1/2M+140	287						
	YOX450				397	790	250	349	406	168	4-ø24
Y280S-4 75	YOX _Z 450	YWZ ₅ -315/80			580						
	HL ₆ <u>YA75X142</u> YA70X142										
	HLL ₈ <u>YA75X142</u> YA70X142	YWZ ₅ -400/121	NJ192	1/2M+145	288						
Y280M-4 90	YOX500				435	860	280	368	457	190	4-ø24
	YOX _Z 500	YWZ ₅ -400/121			664						
	HL ₆ <u>YA75X142</u> YA70X142										
Y280M-4 90	HLL ₈ <u>YA75X142</u> YA70X142	YWZ ₅ -400/121	NJ192	1/2M+145	288						
	YOX500				435	910	280	419	457	190	4-ø24
	YOX _Z 500	YWZ ₅ -400/121			664						
Y315S-4 110	HL ₇ <u>YA80X172</u> YA70X142										
	HLL ₁₀ <u>YA80X172</u> YA70X142	YWZ ₅ -500/121	NJ216	1/2M+150	318						
	YOX500				435	1100	315	406	508	216	4-ø28
Y315S-4 110	YOX _Z 500	YWZ ₅ -400/121			664						

TAILONG MACHINERY

电机功率 Motor power (kW)	配联轴器 或偶合器 Shaft connector or mater	制动器 Liquid holddacker	逆止器 (配WX)	安装尺寸							
				L1/Ln	Lb	La	H0	B0	A0	C	K
Y315M-4 132	HLL ₇ $\frac{YA80X172}{YA70X142}$ HLL ₁₀ $\frac{YA80X172}{YA70X142}$ YOX560 YOX _z 560	YWZ ₅ -500/121	NJ216	1/2M+150	318						
					1170	315	457	508	216	4-ø28	
					489						
Y315L ₁ -4 160	HL ₇ $\frac{YA80X172}{YA75X172}$ HLL ₁₀ $\frac{YA80X172}{YA75X172}$ YOX600 YOX _z 600	YWZ ₅ -500/121	NJ216	1/2M+150	736						
					348						
					474	1170	315	508	508	216	4-ø28
Y100L-6 1.5	HL ₂ YA28X62 HLL ₁ YA28X62	YWZ ₅ -200/30			790						
					126.5	320	100	140	160	63	4-ø12
					126.5	340	112	140	190	70	4-ø12
Y112M-6 2.2	HL ₂ YA28X62 HLL ₁ YA28X62	YWZ ₅ -200/30									
Y132S-6 3.0	HL ₃ YA38X82 HLL ₃ YA38X82	YWZ ₅ -315/50			166.5	395	132	140	216	89	4-ø12
					166.5	435	132	178	216	89	4-ø12
					166.5	435	132	178	216	89	4-ø12
Y132M ₁ -6 4.0	HL ₃ YA38X82 HLL ₃ YA38X82	YWZ ₅ -315/50									
Y132M ₂ -6 5.5	HL ₃ YA38X82 HLL ₃ YA38X82	YWZ ₅ -315/50									
Y160M-6 7.5	HL ₃ YA42X112 HLL ₃ YA42X112	YWZ ₅ -315/50			226.5	495	160	210	254	108	4-ø15
					226.5	540	160	254	254	108	4-ø15
					226.5	540	160	254	254	108	4-ø15
Y160L-6 11	HL ₃ YA42X112 HLL ₃ YA42X112	YWZ ₅ -315/50									
Y180L-6 15	HL ₄ YA48X112 YOX360 YOX _z 360	YWZ ₅ -315/80			227						
					300	600	180	279	279	121	4-ø15
					501						
Y200L ₁ -6 18.5	HL ₄ YA55X112 YOX400 YOX _z 400	YWZ ₅ -315/80	NJ168	1/2M+140	227						
					355	665	200	305	318	133	4-ø19
					556						

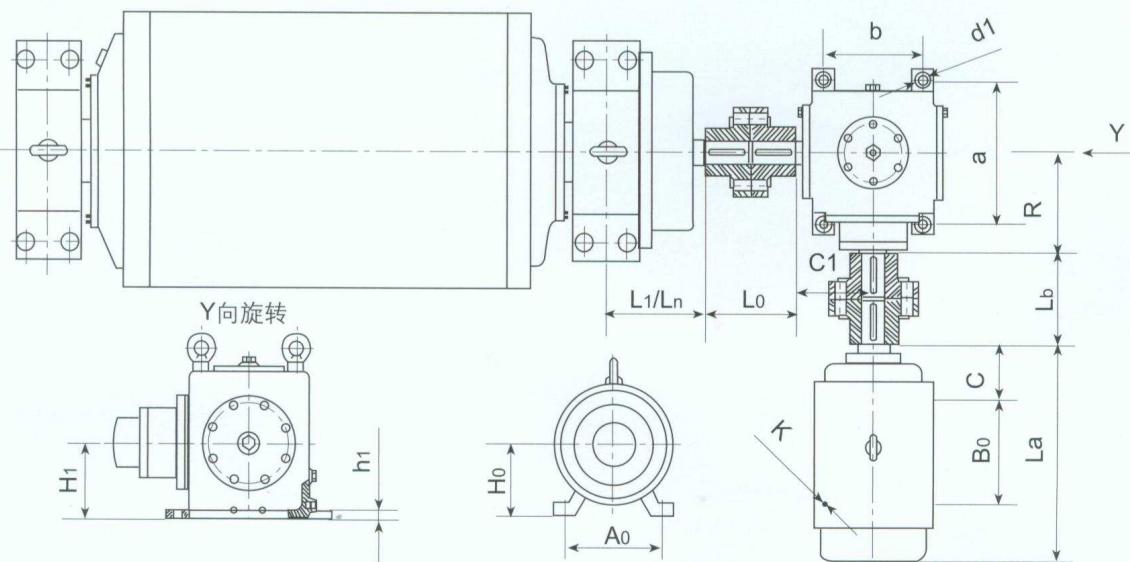
TAILONG MACHINERY

电机功率 Motor power (kW)	配联轴器 或偶合器 Shaft connector or mater	制动器 Liquid holddbacker	逆止器 (配WX)	安装尺寸							
				L1/Ln	Lb	La	H0	B0	A0	C	K
Y200L ₂ -6 22	HL ₄ YA55X112						227				
	HLL ₄ YA55X112	YWZ ₅ -315/80		NJ168			397	665	200	305	318
	YOX450						580		133	4-ø19	
Y225M-6 30	HL ₅ <u>YA60X142</u> YA55X112						257				
	HLL ₆ <u>YA60X142</u> YA55X112	YWZ ₅ -400/80		NJ168			397	705	225	311	356
	YOX450						580		149	4-ø19	
Y250M-6 37	YOX _z 450	YWZ ₅ -315/80					257				
	HL ₅ <u>YA65X142</u> YA55X112			NJ168			397				
	HLL ₆ <u>YA65X142</u> YA55X112	YWZ ₅ -400/80					580				
Y280S-6 45	YOX500						257				
	HL ₆ <u>YA75X142</u> YA60X142			NJ192			435	790	250	349	406
	HLL ₈ <u>YA75X142</u> YA60X142	YWZ ₅ -400/121					664		168	4-ø24	
Y280M-6 55	YOX500						288				
	HL ₆ <u>YA75X142</u> YA60X142			NJ192			435	860	280	368	457
	HLL ₈ <u>YA75X142</u> YA60X142	YWZ ₅ -400/121					664		190	4-ø24	
Y315S-6 75	YOX560						288				
	HL ₇ <u>YA80X172</u> YA70X142			NJ216			489	910	280	419	457
	HLL ₁₀ <u>YA80X172</u> YA70X142	YWZ ₅ -500/121					736		190	4-ø24	
Y315M-6 90	YOX560						318				
	HL ₇ <u>YA80X172</u> YA70X142			NJ216			489				
	HLL ₁₀ <u>YA80X172</u> YA70X142	YWZ ₅ -400/121					736				
Y315M-6 90	YOX _z 560	YWZ ₅ -500/121					318	1100	315	406	508
				NJ216			489		216	4-ø28	
							736				
Y315M-6 90							318	1170	315	457	508
				NJ216			489		216	4-ø28	
							736				

电机功率 Motor power (kW)	配联轴器 或偶合器 Shaft connector or mater	制动器 Liquid holddacker	逆止器 (配WX) (With WX)	安装尺寸 Installing dimensions									
				L1/Ln	Lb	La	H0	B0	A0	C	K		
Y315M-6 90	YOX600						474						
	YOX _z 600	YWZ ₅ -500/121					790						
	HL ₇ <u>YA80X172</u> HLL ₁₀ <u>YA80X172</u> <u>YA75X172</u>		YWZ ₅ -500/201				348						
Y315L ₁ -6 110	YOX600			NJ216			474	1170	315	457	508	216	4-Ø28
	YOX _z 600	YWZ ₅ -500/201					790						
	HL ₇ <u>YA80X172</u> HLL ₁₀ <u>YA80X172</u> <u>YA75X172</u>		YWZ ₅ -500/201				348						
Y315L ₂ -6 132	YOX650			NJ216			556	1170	315	508	508	216	4-Ø28
	YOX _z 650	YWZ ₅ -500/201					829						

注：表中 M 值即为外置表五中的 M 值，可根据筒径 D 带宽 B 确定。

六、W III型外置式电动滚筒驱动部分外形及安装尺寸 W III Part contour and installing of roller body Dimensions



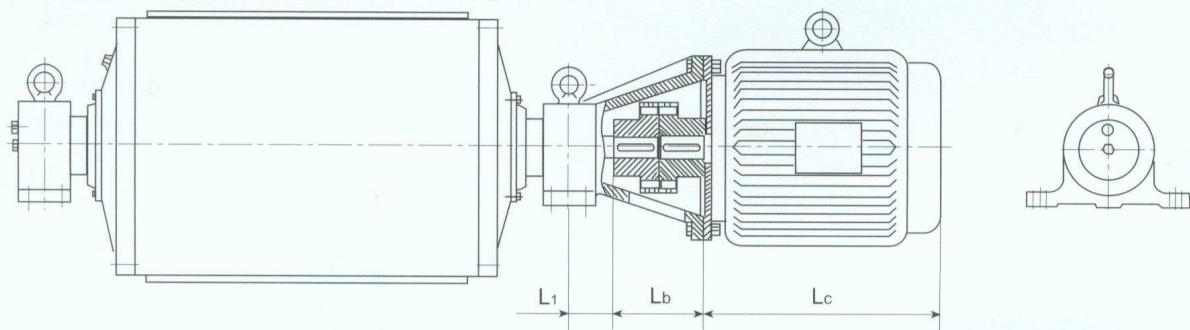
TAILONG MACHINERY

L ₁	L _n	L _a	L ₀	C1	b	a	R	H ₁	h ₁	d ₁	L _b	联轴器 shaft connector	偶合器 mater	C	B ₀	A ₀	H ₀	K		
Y180M-4 18.5			HL4 YA48X112 227								HL4 YA48X112 227	YOX360	121 241 279 180 15							
Y180L-4 22												300	121 279 279 180 15							
Y200L-4 30				170 230 330 270 160 35 22							HL4 YA55X112 227		133 305 318 200 19							
Y225S-4 37			HL4 YA55X112 227								HL5 YA60X142 YA55X112 257		149 286 356 225 19							
Y225M-4 45											HL5 YA60X142 287	YOX400	355	149 311 356 225 19						
Y250M-4 55			HL5 YA60X142 287								HL5 YA65X142 YA60X142 287	YOX450	397	168 349 406 250 24						
Y280S-4 75				190 270 370 315 180 35 22							HL6 YA75X142 YA60X142 288	YOX500		190 368 457 280 24						
Y280M-4 90			HL6 YA60X142 288									435	190 419 457 280 24							
Y315S-4 110												YOX500	435	216 406 508 315 28						
Y315M-4 132			HL7 YA70X142 318								HL7 YA80X172 YA70X142 318	YOX560	489	216 457 508 315 28						
Y315L ₁ -4 160			HL7 YA70X142 YA75X172 318									YOX600	474	216 508 508 250 28						
Y200L ₁ -6 18.5			HL4 YA55X112 227	170 230 330 270 160 35 22							HL4 YA55X112 227	YOX400	355	133 305 318 200 19						
Y200L ₂ -6 22												397	YOX450		149 311 356 225 19					
Y225M-6 30											HL5 YA60X142 287		149 311 356 225 19							
Y250M-6 37												YOX500	435	168 349 406 250 24						
Y280S-6 45											HL6 YA60X142 288	YOX500	435	190 368 457 280 24						
Y280M-6 55												YOX560	489	190 419 457 280 24						
Y315S-6 75												YOX560	489	216 406 508 315 28						
Y315M-6 90												YOX600	474	216 457 508 315 28						
Y315L ₁ -6 110												YOX600	474	216 508 508 250 28						
Y315L ₂ -6 132												YOX650	556	216 508 508 250 28						

对应参照表五、表六中数据
See table 5,table 6: external assembly

七、W II型外置式电动滚筒驱动部分外形及安装尺寸

W II Part contour and installation of roller body Dimensions



外置表七 Table 7

电机功率 Motor power (kW)	联轴器 Shaft connector	安装尺寸			电机功率 Motor power (kW)	联轴器 Shaft connector	安装尺寸		
		L ₁	L _b	L _c			L ₁	L _b	L _c
Y100L1-4 2.2	HL ₂ YA28x62	126.5	320		Y100L-6 1.5	HL ₂ YA28x62	126.5	320	
Y100L2-4 3.0	HL ₂ YA28x62	126.5	320		Y112M-6 2.2	HL ₂ YA28x62	126.5	340	
Y112M-4 4.0	HL ₂ YA28x62	126.5	340		Y132S-6 3.0	HL ₃ YA38x82	166.5	395	
Y132S-4 5.5	HL ₃ YA38x82	166.5	395	See table 5:External assembly 对应参照外置表五中数据	Y132M ₁ -6 4.0	HL ₃ YA38x82	166.5	435	
Y132M-4 7.5	HL ₃ YA38x82	166.5	435		Y132M ₂ -6 5.5	HL ₃ YA38x82	166.5	435	
Y160M-4 11	HL ₃ YA42x112	226.5	495		Y160M-6 7.5	HL ₃ YA42x112	226.5	495	
Y160L-4 15	HL ₃ YA42x112	226.5	540		Y160L-6 11	HL ₃ YA42x112	226.5	540	
Y180M-4 18.5	HL ₄ YA48x112	227	560		Y180L-6 15	HL ₄ YA48x112	227	600	
Y180L-4 22	HL ₄ YA48x112	227	600		Y200L ₁ -6 18.5	HL ₄ YA55x112	227	665	
Y200L-4 30	HL ₄ YA55x112	227	665		Y200L ₂ -6 22	HL ₄ YA55x112	227	665	
Y225S-4 37	HL ₅ YA60x142	257	680		Y225M-6 30	HL ₅ YA60x142	257	680	

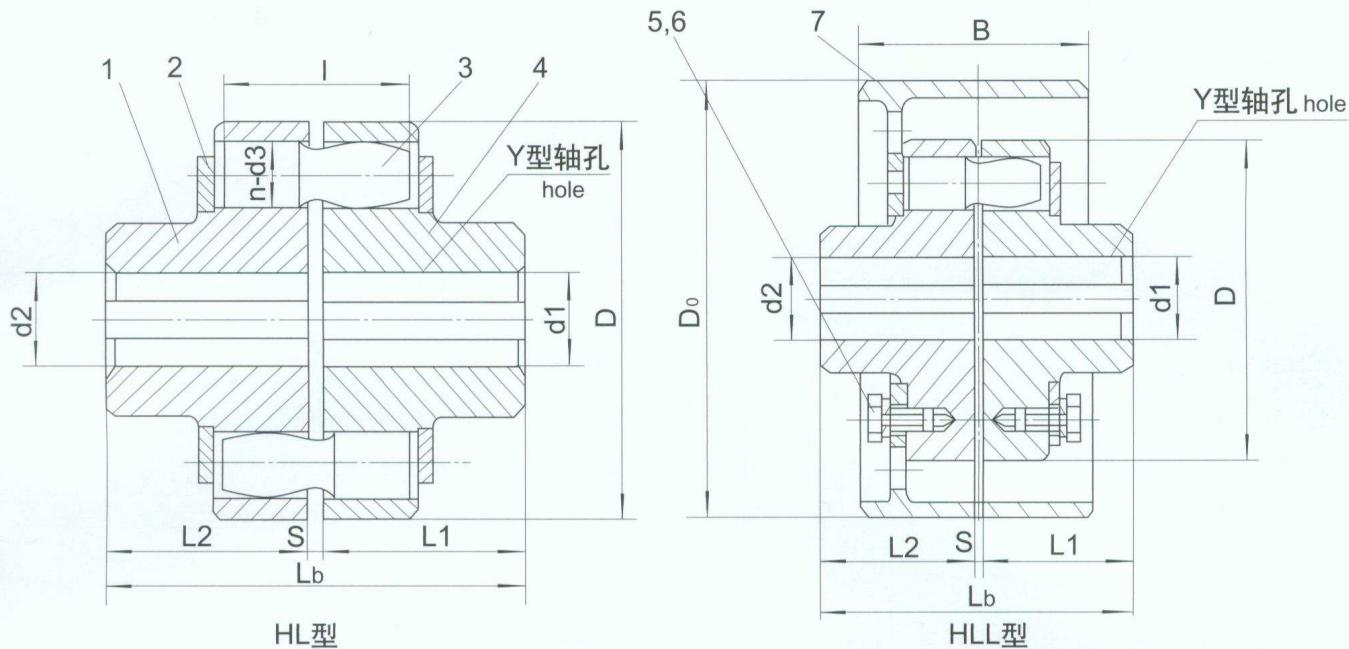
注：各个规格均可配带逆止电机满足逆止要求。

Note: This can all be equipped with hold backer motor.

八、附录：配套联轴器、偶合器、制动器尺寸参数

Appendix: Parameter and size of connector, coupler, brake

附录一：HL、HLL型弹性柱销联轴器 Appendix one: HL, HLL elastic pin coupler



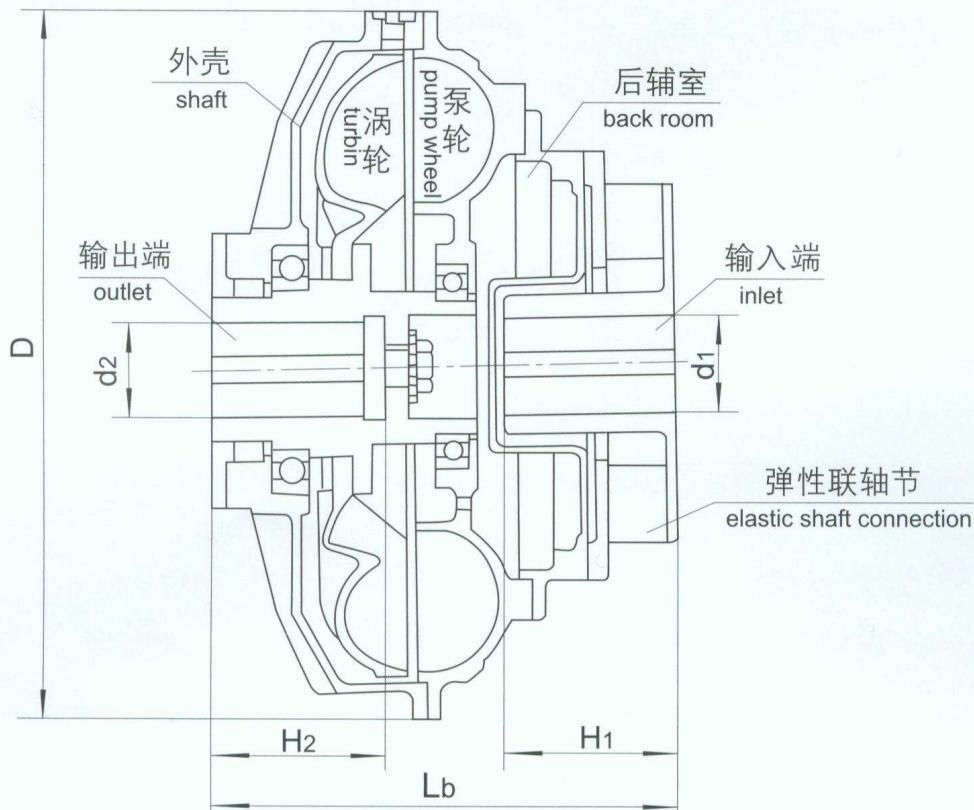
1、4—半联轴器half; 2—挡板block; 3—柱销pin; 5—螺钉bolt; 6—垫圈washer; 7—制动鼓brake drum

单位 Unit: mm

型号 Type	许用转矩 Allowed torque [Tw] N.m	轴孔直径 hole diameter d1/d2(ø) mm	轴孔长度 hole length L1/L2 mm	D (ø)	n-d3	I	Lb	B	D ₀ (ø)	质量 weight kg
HL2 (HLL1)	315	28/28	62/62	120	8-20	56	126.5	85	200	5 (11)
HL3 (HLL3)	630	38/38	82/82	160	12-20	72	166.5	132	315	8 (25)
		42/42	112/112				226.5			
HL4 (HLL4)	1250	48/48	112/112	195	8-30	90	227	132	315	22 (40)
		55/55					257			
HL5 (HLL6)	2000	60/55	142/112	220	12-30	90	168	400	30 (70)	30 (70)
		65/55								
HL6 (HLL8)	3150	60/60	142/142	280	12-40	112	288	168	400	53 (88)
		65/60								
HL7 (HLL10)	6300	75/60	142/142	320	12-40	112	318	210	500	98 (156)
		75/70					348			
		80/70	172/142							
		80/80	172/172							

附录二：YOX 限矩形液力偶合器

Appendix 2: Parameter and size of liquidic coupler



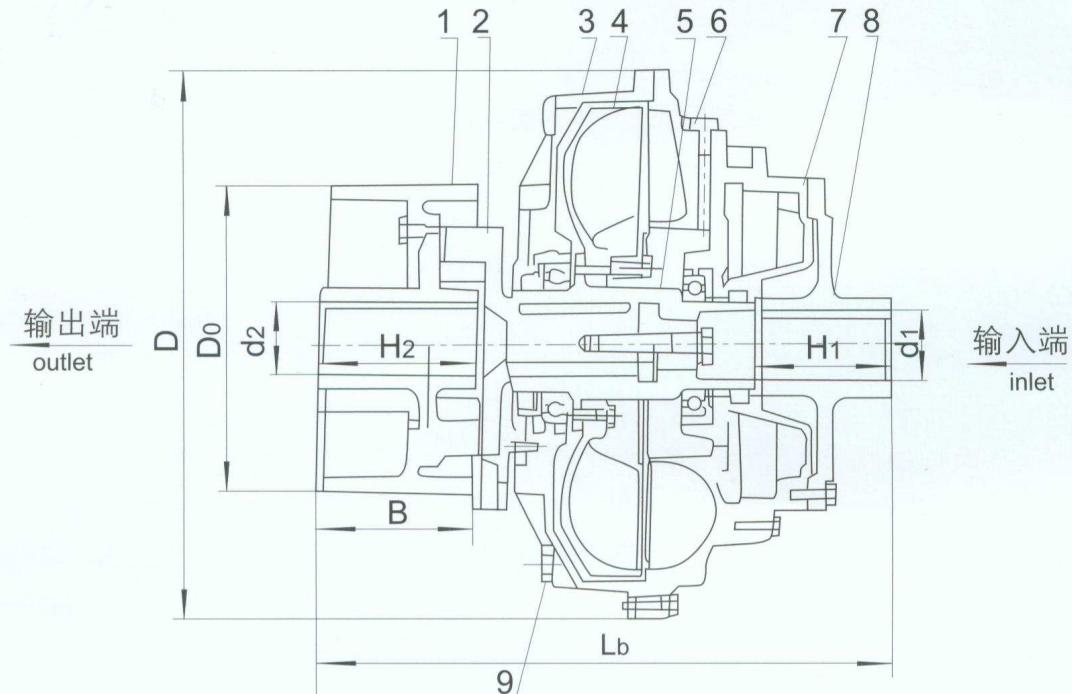
单位 Unit: mm

型号 Type	输入转速 input rotating speed r/min	许用功率范围 allowed power kW	外形尺寸 size		输入端 input edge		输出端 output edge		充油量 oil volume		质量 weight kg
			Lb min	D (ø)	d1 (ø) max	H1 max	d2 (ø) max	H2 max	最大 max	最小 min	
YOX360	1000	4.5~9	300	420	55	110	60	110	7	3.5	40
	1500	15~30									
YOX400	1000	7.5~15	355	480	70	140	70	140	10	5	70
	1500	24~48									
YOX450	1000	14~28	397	530	75	140	70	140	14	7	85
	1500	43~85									
YOX500	1000	25~50	435	580	90	170	90	170	19	9.5	95
	1500	75~150									
YOX560	1000	40~80	489	650	100	170	110	210	27	13.5	135
	1500	120~230									
YOX600	1000	60~120	474	695	100	170	100	180	36	18	160
	1500	200~360									
YOX650	1000	90~170	556	760	130	210	130	210	46	23	210
	1500	260~480									

注：本系列限矩型液力偶合器均采用Y型长圆柱轴孔、A型键槽型式，尺寸、公差及所有未注尺寸、公差、技术要求均按国家标准制作。 Note: The Y type long cylindrical hole and A type groove are applied for series connector. The related size and tolerance should conform to national standard.

附录三：YOX_Z型带制动轮式液力偶合器

Appendix 3: Parameter and size of arrested-wheel liquidic coupler



1. 制动轮
4. 涡轮 Turbin
7. 后辅腔 Back space

2. 连接轴 Connecting shaft
5. 主轴 Main shaft
8. 连接盘 Connecting plate

3. 外壳 Sheft
6. 泵轮 Pump wheel
9. 易熔塞

单位 Unit: mm

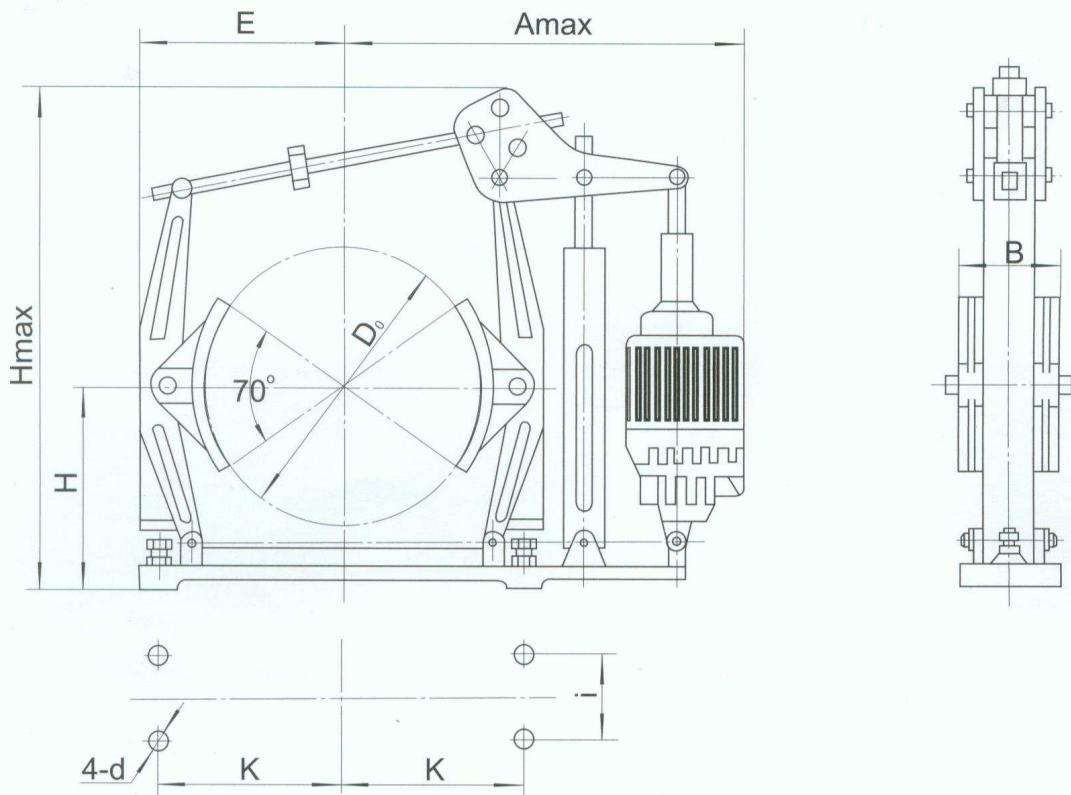
型号 Type	输入转矩 input rotating speed r/min	许用功率范围 allowed power kW	外形尺寸 size		输入端 input edge		输出端 output edge		充油量 oil volume		制动轮尺寸 arrested-wheel size	
			L _b min	D	d ₁ max	H ₁ max	d ₂ max	H ₂ max	最大 max	最小 min	直径 diameter D ₀	宽度 width B
YOXz360	1000	4.5~9	501	ø420	ø55	110	ø60	110	7	3.5	ø315	150
	1500	15~30										
YOXz400	1000	7.5~15	556	ø480	ø70	140	ø70	140	10	5	ø315	150
	1500	24~48										
YOXz450	1000	14~28	580	ø530	ø75	140	ø70	140	14	7	ø315	150
	1500	43~85										
YOXz500	1000	25~50	664	ø580	ø90	170	ø90	170	19	9.5	ø400	190
	1500	75~150										
YOXz560	1000	40~80	736	ø650	ø100	210	ø110	210	27	13.5	ø400	190
	1500	120~230										
YOXz600	1000	60~120	790	ø695	ø100	210	ø100	210	36	18	ø500	210
	1500	200~360										
YOXz650	1000	90~170	829	ø760	ø130	210	ø130	210	46	23	ø500	210
	1500	260~480										

注：本系列带制动轮式限矩型液力偶合器均采用Y型长圆柱轴孔、A型键槽型式、尺寸、公差及所有未注尺寸、公差、技术要求均按国家标准制作。

Note: The Y type long cylindrical hole and A type groove are applied for arrested-wheel quadrature liquidic coupler. The related size and tolerance should conform to national standard.

附录四：YWZ₅型电力液压块式制动器

Appendix 4: YWZ₅ electric hydrodynamic pusher brake



单位 Unit: mm

规格型号 Type	制动力矩 N.m	退 矩 mm	匹配 推动器 型号	电机 功率 W	每小时 动作 次数	主要尺寸 size mm									质量 weight kg		
						D ₀ (ø)	H	B	K	i	d (ø)	E	Amax	Hmax			
YWZ ₅ -200/30	140-315	1	Ed30/5	200		200	160	90	145	55	14	165	445	487	33		
YWZ ₅ -315/50	400-630		Ed50/6	210										535	573	61	
YWZ ₅ -315/80	630-1000	1.25				315	225	110	220	80	18	242			575	573	62
YWZ ₅ -400/80	630-1250		Ed80/6		2000										665	754	79
YWZ ₅ -400/121	1000-2000			330		400	280	140	270	100	22	300			656	760	94
YWZ ₅ -500/121	1120-2240	1.6	Ed121/6														136
YWZ ₅ -500/201	2000-3600		Ed201/6	450		500	335	180	325	130	22	365	745	845			138

本厂拥有对本说明书的解释权，若有疑问请与本厂技术部门联系。一般每年一版，选用时请以最新版本为准。
The manufacturer has the right to interpret this instruction book, and any questions may refer to our technical department.
This instruction book is updated every year, so the latest edition should be identified for reference.

T A I L O N G



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