



电动滚筒



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TAILONG

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TAILONG MACHINERY

江苏泰隆机械集团公司
JIANGSU TAILONG MACHINERY GROUP COMPANY

江苏泰隆减速机股份有限公司
JIANGSU TAILONG DECELERATOR MACHINERY CO.,LTD.



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。泰隆集团东临沪宁高速，西靠南京禄口机场，南有江阴大桥，交通便捷，物流畅通，具有得天独厚的区位优势。

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，成为全国减速机行业排头兵企业。集团现拥有总资产12.06亿元，固定资产6.92亿元，占地面积80万平方米，员工3162人，专业工程技术人员901人。拥有美国、德国、日本、俄罗斯、奥地利等国家引进的大型数控磨齿机、大型数控镗铣床、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达48%。建立了全国同行业中检测功能最全、仪器最先进的2000kW测试中心，创建了江苏省技术中心、江苏省传动机械与控制工程技术研究中心。泰隆集团—哈工大工程技术研究中心、博士后科研工作站。公司的主导产品减速机在原有十几个系列，几十万种规格的基础上，采用先进的模块化、点线啮合等技术开发出了TL模块化齿轮减速机、TXP行星模块化减速器、重载模块化齿轮减速机、点线啮合减速器、立式磨齿及边缘传动磨齿齿轮箱、铝冶行业的联合开卷卷取齿轮箱、三环减速器、星轮减速器、风电齿轮箱、水力发电变速装置、核电循环水泵驱动变速装置等高新技术产品，以及各类特殊非标齿轮箱。泰隆工业园区已经成为国内最大的钢帘线设备生产基地，双叶、三叶罗茨风机及高温风机批量出口东南亚及欧美。

我们的产品成功应用于中华世纪坛、三峡大坝、嫦娥一号发射、杭州湾跨海大桥、北京奥体馆、上海世博会等国家重点工程。重点客户有宝钢集团、首钢集团、上海振华港机、燕山石化、葛洲坝集团、北京水工、中国铝业、伊拉克泵站、桂林橡塑、乐山成发、三一重工等。

公司现为全国减速机标准化技术委员会秘书处单位，荣获“全国首批守合同重信用企业”、“国家重点高新技术企业”、“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”、“全国机械工业质量管理小组活动优秀企业”等殊荣。在同行业中率先通过了国家AAAA标准化良好行为企业认证、一级安全质量标准化机械制造企业认证、GB/T19022-2003完善计量检测体系认证、ISO9001-2008质量体系认证、ISO14001-2004环境体系认证、OHSAS18001-1999职业健康安全认证。产品通过矿用产品安全标志认证、起重行业型式试验认可认证，泰隆牌商标被国家工商总局认定为中国驰名商标，泰隆牌减速机被评为中国名牌产品。

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！

Company Brief

Tailong Group, located in Taixing city along riverside of the Yangzi River, is a national giant enterprise which Taixing people are proud of. Tailong Group is east to Highway of Shanghai-Nanjing, west to Nanjing Lukou airport and south to the Jiangyin Bridge. Convenient transportation and smooth physical distribution build the unparalleled location advantages for Tailong Group.

With effortful operation for over 20 years, Tailong Group, under leadership of national outstanding entrepreneur, chairman Mr. Yin genzhang, a model worker of Jiangsu Province, has developed in one of top 500 machinery industrial enterprises in China, playing a leading role in domestic reducer/transmission industry.

At present, the group has total assets of RMB1206million, and fixed assets of RMB 692 million, and it covers an area of 800,000 square meters and more than 3000 employees, where professional technicians account for 991, 48% of our equipments are sophisticated and advanced manufacturing equipments and testing equipments such as large CNS gear grinding machine, large CNC boring and milling machine, worm grinder, machining centre, and carbonitriding furnace that are imported from USA, Germany, Japan, Russia, Australia and so on. Diameter of machining work piece reaches 5m to the maximum. Single reducer we produced reaches 120 tons to the maximum. We have established a 2000kW testing center with most complete testing function and most advanced instruments of the industry national wide, and established a provincial engineering technical center, mechanical transmission and control Engineering Research Center of Jiangsu Province, Tailong Group - Harbin Technology Engineering Research Center and a post-doctoral research station. The dominant product, the reducer is available in decades of series and several hundred thousand specifications. Equipped with advanced modular and dot line engagement technology, we have additionally developed series of high tech products such as TL modular gear retarded machine, TXP modular planet reducer, heavy load modular gear retarded machine, dot line engaged reducer, vertical grinder and edge drive grinder gearbox, joint, open-book, take-up gearbox used for aluminum metallurgy industry, three ring gear reducer, planetary wheel speed reducer, wind driven gearbox, transmission for hydro-power generation, nuclear circling pump driven gearbox, and various special non-standard gearboxes. Tailong Industrial Park has become the largest steel cord production base of national wide. Our two-vane and three-vane Roots blowers and high temperature blower are exported to South East Asia, Europe and America in batches.

Our products are successfully used in the China Millennium Monument, the Three Gorges Dam, the Chang'e launch, Hangzhou Bay Bridge, Beijing Olympic Gymnasium, the Shanghai World Expo and other national key projects. Key customers include Baosteel Group, Shougang Group, Shanghai Zhenhua Port Machinery, Yanshan Petrochemical, Gezhouba Group, Beijing hydraulic, China aluminium, Iraqi pump station, Guilin Rubber, Leshan Chengfa, Sany Heavy Industry and so on.

The company is now a secretariat unit for national technical committee for standardization of reducer. We are ever granted as "national first contract respecting and credit-keeping enterprise", "national key high-tech enterprise", "national high quality and efficiency unit in machinery industry", "quality management award of national machinery industry", "national custom satisfied service", "excellent enterprise of quality management team activity of national machinery industry" and so on. We are certified as the good enterprise with better standardization with national AAAA certification and the first grade safety quality standardized machinery manufacturing enterprise and have passed such certifications as GB/T 19022-2003 perfect measurement test system, ISO 9001-2008 quality system, ISO 14001-2004 environment system, and OHSAS 18001-1999 occupational health and safety. Our products are certified with safety marks for mining products and recognized pass lifting industry type test. Tailong brand is recognized as the Chinese famous brand by national industrial and commercial bureau and Tailong reducer is awarded as the Chinese famous brand product.

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

TAILONG MACHINERY

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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 $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$ ，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/T7330-2008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_I 、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_I 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.

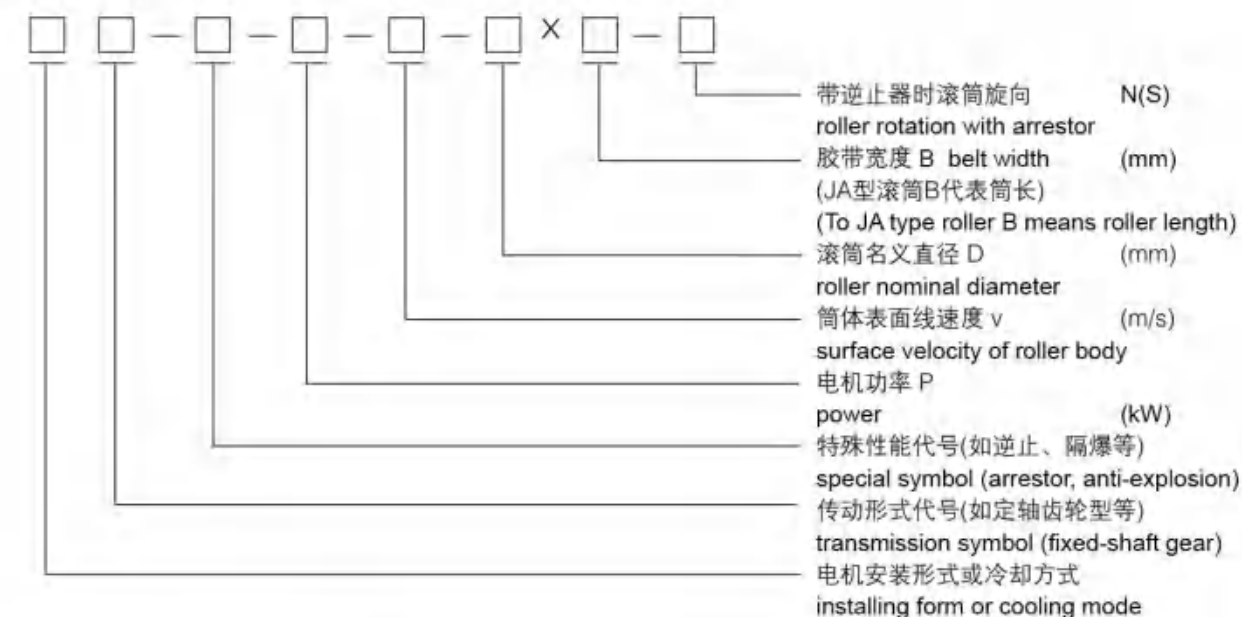
Electric roller has such property as fine structure, low volume, light weight, fine sealing and easy assembling. It can be used in such environment as heavy powder, muddy, wet and outdoors. The ambient temperature is $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$. Usually it isn't applied in altitude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

The electric roller we produce on standard of JB/T7330-2008 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_I , 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_I 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_H)、卧式电机垂直型(W_V)

(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(QD)、逆止型(N)、移动式(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(QD), 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..... DY₁ 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..... Y₁B

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..... W₁B_G

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..... W₁₁B_G

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：

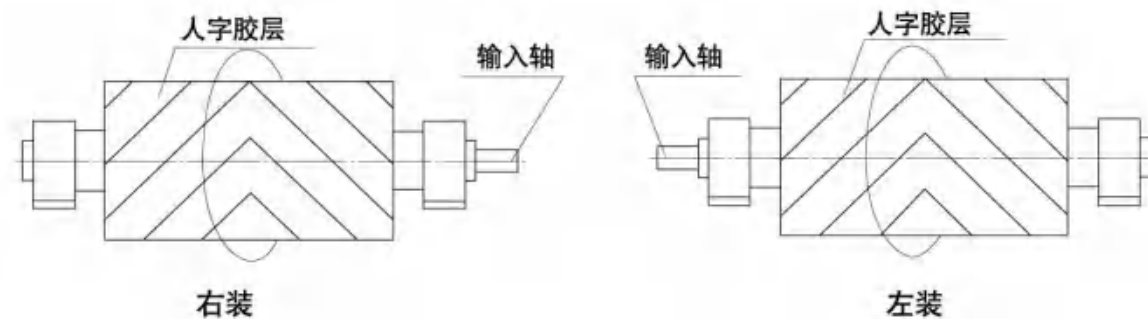
由电源输入端（电机内置时为接线盒端，外置时为电机尾部）观察，滚筒顺时针旋转时标注S，滚筒逆时针旋转时标注N，不带逆止器时不标注。带逆止器而不标注方向时，我公司以顺时针为准。

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_{±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：W₁₁B-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_{±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, W₁₁B-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 computation 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:

$$P_A = \frac{0.36(40+L)B \times V}{1000} + \frac{(40+L) \times Q}{1000} \pm 0.00273Q \times H$$

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，“-”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:

$$M_n = 500 \times \frac{D \times P}{V} \times \eta \text{ (N·m)}$$

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档:

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L-CKC48中极压工业齿轮油,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. Hanceforth, 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

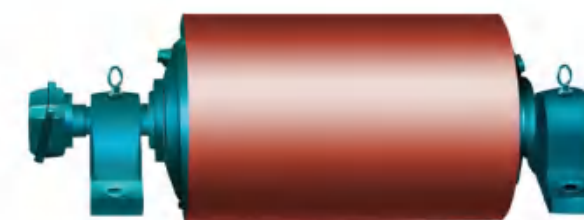
一、YD_N^T型油冷式电动滚筒

YD_N^T 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_N^T型系列参数

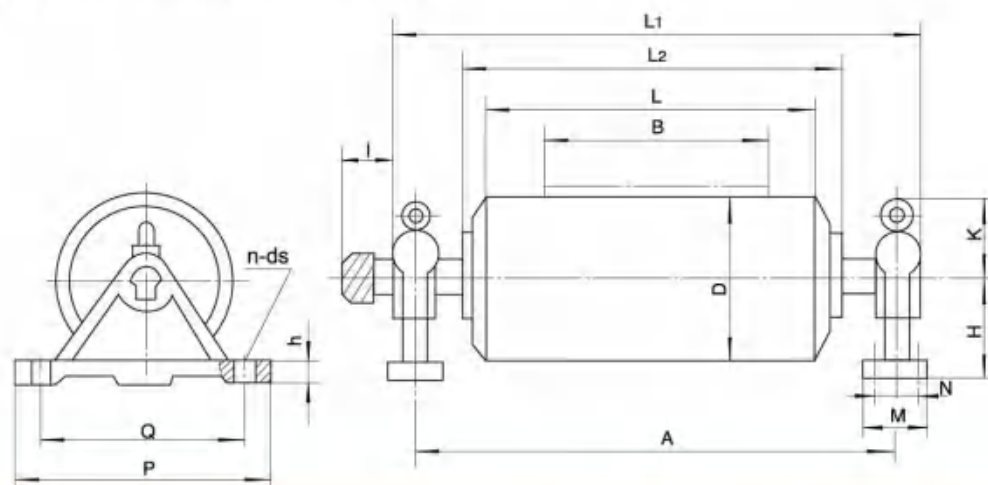
Data table of YD_N^T

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
320	1.5	500	YTG100L-6		○	○	○	○	○				YTG112M-6 YTG132S-6	
		650			○	○	○	○	○					
	2.2	500	YTG132S-8		○	○	○	○	○					
		650			○	○	○	○	○					
	3.0	500	YTG132M-8		○	○	○	○	○					
		650			○	○	○	○	○					
	4.0	500	YTG132M ₁ -6			○	○	○	○					
		650				○	○	○	○					
	5.5	500	YTG132S-4					○	○					
		650	YTG132M ₂ -6D			○	○	○	○					
	7.5	650	YTG132M-4C					○	○					

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	1.5	500	YTG100L-6		○	○	○	○	○					YTG112M-6		
		650			○	○	○	○	○							
	2.2	500	YTG132S-8	○	○	○	○	○	○							
		650		○	○	○	○	○	○							
	3.0	500	YTG132M-8	○	○	○	○	○	○							YTG132S-6
		650		○	○	○	○	○	○							
		800		○	○	○	○	○	○							
	4.0	500	YTG132M ₁ -6		○	○	○	○	○							
		650			○	○	○	○	○							
		800			○	○	○	○	○							
	5.5	500	YTG132S-4				○	○	○							
		650	YTG132M ₂ -6D		○	○	○	○	○					YTG132S-4		
		800			○	○	○	○	○							
	1000			○	○	○	○	○								
	7.5	650	YTG132M-4C				○	○	○							
		800					○	○	○							
1000						○	○	○								
500	1.5	500	YTG100L-6		○	○	○							YTG100L1-4	●者为 means YTG112M-6	
		650			○	○	○									
		800			○	○	○									
		1000			○	○	○									
	2.2	500	YTG132S-8	○	●	●	●	○	○	○				YTG100L2-4	●者为 means YTG132S-6	
		650		○	●	●	●	○	○	○						
		800		○	●	●	●	○	○	○						
		1000		○	●	●	●	○	○	○						
	3	500	YTG132M-8	○	●	●	●	○	○	○				YTG112M-4		
		650		○	●	●	●	○	○	○						
		800		○	●	●	●	○	○	○						
		1000		○	●	●	●	○	○	○						
	4	500	YTG132M ₁ -6		○	○	○	○	○	○				YTG132S-4	●者为 means YTG132M ₂ -6B	
		650			○	○	○	○	○	○						
		800			○	○	○	○	○	○						
		1000			○	○	○	○	○	○						
	5.5	500	YTG132M ₂ -6C			○	○	○	○	○				YTG132M-4D		
		650	YTG160M ₂ -8		○	●	●	●	○	○						
		800			○	●	●	●	○	○						
	7.5	500	YTG160M-6C			●	●	○	○	○	○			YTG132M-4B	●者为 means YTG160M-6B	
		650	YTG160L-8		○	●	●	●	●	●	○					
		800			○	●	●	●	●	●	○					
	11	650	YTG160L-6B			○	○	○	○	○	○			YTG160M-4B		
		800				○	○	○	○	○	○					
		1000				○	○	○	○	○	○					
	15	650	YTG180L-6				○	○	○	○	○			YTG160L-4B		
		800					○	○	○	○	○					
		1000					○	○	○	○	○					

筒径 D Diameter (mm)	电机功率 P Power (kw)	带速 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
630	3	650	YTG132M-8		○	●	●	○	○	○			YTG100L ₂ -4	●者为 means YTG132S-6
		800			○	●	●	○	○	○				
		1000			○	●	●	○	○	○				
		1200			○	●	●	○	○	○				
	4	650	YTG160M ₁ -8			●	●	○	○	○			YTG112M-4	●者为 means YTG132M ₁ -6
		800			○	●	●	○	○	○				
		1000			○	●	●	○	○	○				
		1200			○	●	●	○	○	○				
	5.5	650	YTG132M ₂ -6A			○	○	○	○	○			YTG132S-4	●者为 means YTG132M ₂ -6E
		800		○	●	●	○	○	○					
		1000	YTG160M ₂ -8		○	●	●	○	○	○				
		1200		○	●	●	○	○	○					
	7.5	650	YTG160M-6A			○	○	○	○	○	○	○	YTG132M-4A	
		800	YTG160L-8		○	●	●	●	○	○	○	○	YTG132M-4B	●者为 means YTG160M-6B
		1000			○	●	●	●	○	○	○	○		
		1200			○	●	●	●	○	○	○	○		
	11	650	YTG160L-6A			○	○	○	○	○	○	○	YTG160M-4A	
		800	YTG180L-8		○	●	●	●	○	○	○	○	YTG160M-4B	●者为 means YTG160L-6B
		1000			○	●	●	●	○	○	○	○		
		1200			○	●	●	●	○	○	○	○		
	15	650	YTG180L-6A						○	○	○	○	YTG160L-4A	
		800	YTG180L-6			○	○	○	○	○	○	○	YTG160L-4B	
		1000			○	○	○	○	○	○	○	○		
		1200			○	○	○	○	○	○	○	○		
	18.5	650	YTG200L1-6A						○	○	○	○	YTG180M-4A	
		800				●	●	●	○	○	○	○	YTG180M-4B	
		1000				●	●	●	○	○	○	○		
		1200				●	●	●	○	○	○	○		
	22	650	YTG200L ₂ -6A						○	○	○	○	YTG180L-4A	
		800				●	●	●	○	○	○	○	YTG180L-4B	
		1000				●	●	●	○	○	○	○		
		1200				●	●	●	○	○	○	○		
800	5.5	800	YTG132M ₂ -6B				○	○	○			YTG132M-4B		
		1000					○	○	○					
		1200					○	○	○					
		1400					○	○	○					
	7.5	800	YTG160M-6B				○	○	○	○		YTG160M-4B		
		1000					○	○	○	○				
		1200					○	○	○	○				
		1400					○	○	○	○				
	11	800	YTG160L-6B				○	○	○	○	○	YTG160L-4B		
		1000					○	○	○	○	○			
		1200					○	○	○	○	○			
		1400					○	○	○	○	○			
	15	800	YTG180L-6				○	○	○	○	○	YTG180M-4B		
		1000					○	○	○	○	○			
		1200					○	○	○	○	○			
		1400					○	○	○	○	○			
	18.5	800	YTG200L1-6A				●	●	●	○		YTG180L-4B		
		1000					●	●	●	○				
		1200					●	●	●	○				
		1400					●	●	●	○				
22	800	YTG200L ₂ -6A				●	●	●	○		YTG180L-4B			
	1000					●	●	●	○					
	1200					●	●	●	○					
	1400					●	●	●	○					

2. YD_N^T型系列外形安装尺寸 Installation dimension of YD_N^T (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							
400	500	850	600	940	95	120	125	90	-	340	280	35	4-27	720							
	650	1000	750	1090										870							
	800	1300	950	1390										1070							
	1000	1500	1150	1590										1270							
500	500	850	600	940	115	100	140	70	-	340	280	35	4-27	743							
				1000			145							728							
	650	1000	750	1090		120	140	90						893							
				1150			145							878							
	800	1300	950	1390			140							1093							
				1420			145							1078							
	1000	1500	1150	1590			140							1293							
				1620			145							1278							
	630	650	1000	750		1120	115	120						170	90	-	340	280	35	4-27	848
						1140								175							1048
		800	1300	950		1420		140						170	130	80	400	330	8-27	1248	
						1430								175							
1000		1500	1150	1620	170																
				1630	175																
1200		1750	1400	1870	160	170		160	90	440	360	50	8-34	1498							
				1880		175															
800		800	1300	950	1430	115		140	175	130	80	400	330	35	8-27	1058					
		1000	1500	1150	1630											1258					
		1200	1750	1400	1900			160	160	90	440	360	50	8-34	1508						
		1400	2000	1600	2150										1708						

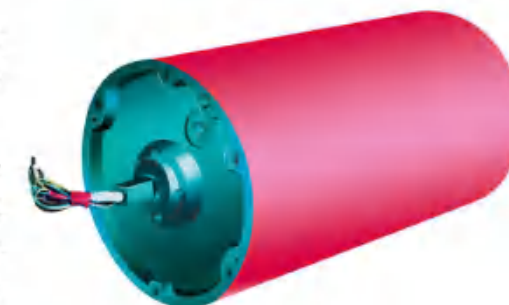
注：本系列滚筒均可带逆止器。 Note: This series rollers can all be equipped with arresters.

二、DY₁^T型移动式电动滚筒

DY₁^T Movable Electric Roller

DY₁^T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^T is a driving device about mobile-belt transfer machine and some fixed. This product have 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.



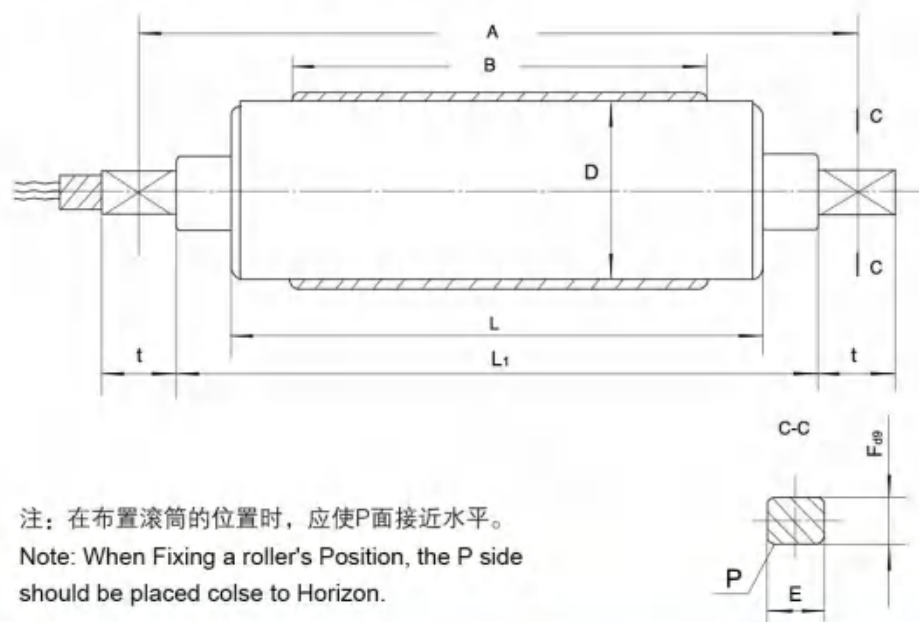
一、DY₁型移动式电动滚筒 Mobile electric roller of DY₁

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
	1.1	400	○	○	○	○	○		80
		500	○	○	○	○	○		86
		650	○	○	○	○	○		95
	1.5	400	○	○	○	○	○		83
		500	○	○	○	○	○		90
		650	○	○	○	○	○		100
	2.2	400			○	○	○		82
		500			○	○	○		90
		650			○	○	○		101
320	3.0	400			○	○	○		92
		500			○	○	○		102
		650			○	○	○		112
	1.5	400	○	○	○	○	○	○	120
		500	○	○	○	○	○	○	129
		650	○	○	○	○	○	○	138
	2.2	800	○	○	○	○	○	○	148
		500	○	○	○	○	○	○	138
		650	○	○	○	○	○	○	147
	3.0	800	○	○	○	○	○	○	157
		500	○	○	○	○	○	○	144
		650	○	○	○	○	○	○	157
	4.0	800	○	○	○	○	○	○	169
		500		○	○	○	○	○	155
		650		○	○	○	○	○	167
	5.5	800		○	○	○	○	○	178
		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. DY₁型系列外形安装尺寸 Contour and installation size of DY₁



D	B	A	L	L1	t	E	F
250	400	580	460	530	50	32	30d9
	500	680	560	630			
	650	850	730	800			
320	400	580	460	530			
	500	680	560	630			
	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	△	△	△	△	△	△	△	○	○	
	(240) 250	400	△	△	△	△	○	○	○	○	○	
		500	△	△	△	△	○	○	○	○	○	
		650	△	△	△	△	○	○	○	○	○	
	1.1	400	△	△	△	△	○	○	○	○	○	
		500	△	△	△	△	○	○	○	○	○	
		650	△	△	△	△	○	○	○	○	○	
	1.5	400	△	△	△	△	○	○	○	○	○	
		500	△	△	△	△	○	○	○	○	○	
		650	△	△	△	△	○	○	○	○	○	
	2.2	400					△	△	○	○	○	
		500		△	△	△	△	△	○	○	○	○
		650		△	△	△	△	△	○	○	○	○
	3.0	500					△	△	○	○	○	○
		650					△	△	○	○	○	○
320	1.5	400					○	○	○	○	○	○
		500		△	△	△	○	○	○	○	○	○
		650		△	△	△	○	○	○	○	○	○
	2.2	400					○	○	○	○	○	○
		500		△	△	△	○	○	○	○	○	○
		650		△	△	△	○	○	○	○	○	○
	3.0	400					○	○	○	○	○	○
		500		△	△	△	○	○	○	○	○	○
		650		△	△	△	○	○	○	○	○	○
	4.0	400					○	○	○	○	○	○
		500		△	△	△	○	○	○	○	○	○
		650		△	△	△	○	○	○	○	○	○
	5.5	400					○	○	○	○	○	○
		500		△	△	△	○	○	○	○	○	○
		650		△	△	△	○	○	○	○	○	○
400	7.5	400							○	○	○	○
		500							○	○	○	○
		650							○	○	○	○
	8.0	400								○	○	○
		500								○	○	○
		650								○	○	○

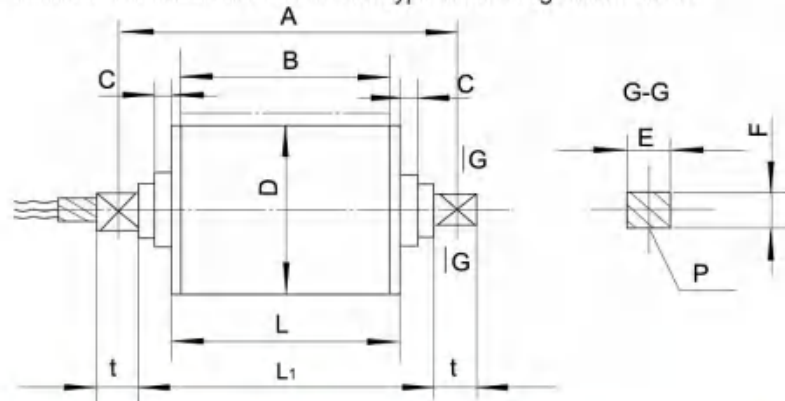
筒径 (mm) Diameter	电机功率 Power (kw)	带宽 Width B (mm)	带速 V Belt speed (m/s)									
			0.32	0.4	0.5	0.63	0.8	1.0	1.25	1.6	2.0	2.5
500	3.0	500		△	△	△	○	○	○	○	○	○
		650		△	△	△	○	○	○	○	○	○
		800		△	△	△	○	○	○	○	○	○
	4.0	500						○	○	○	○	○
		650		△	△	△	○	○	○	○	○	○
		800		△	△	△	○	○	○	○	○	○
	5.5	500								○	○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

D	B	A	L	L1	t	F	E	C
216	400	540	450	490	50	30d9	32	5
	500	630	550	580				
(240)	400	540	450	490				
250	500	630	550	580				
	650	800	710	750	60(50)	30d9(38d9)	32(39)	12
320	400	540	450	490				
	500	630	550	580				
	650	800	710	750				
	800	940	850	890	60	38d9	39	13
400	500	630	550	580				
	650	800	710	750				
	800	950(940)	850	890				
	500	640	550	580	60	48d9	49	14
500	650	810	710	750				
	800	950	850	890				

注：括号内尺寸为带速V<0.8m/s时的扁方尺寸。

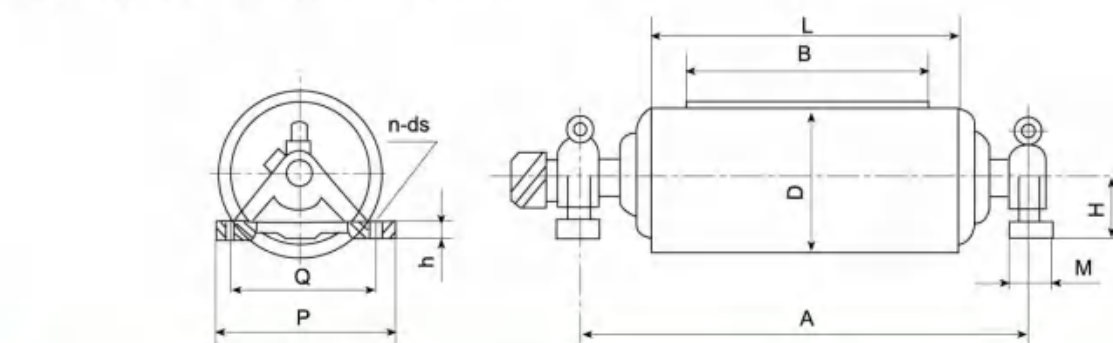
Note: Dimmensions in blackets are belt speed V<0.8m/s pancake size.

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	4.0
				许配最大功率 (kW)											
240 250	B15	0.75 1.1 1.5 2.2	400	0.75kW	1.1 1.5										
			500		1.1 1.5				2.2						
			650												
300	B18	1.1 1.5 2.2 3	500	1.1	1.5	2.2	3								
			650												
			800												
320	B18	1.1 1.5 2.2 3.4	500	1.1	1.5	2.2	3		4						
			650												
			800												
400	B18	1.1 1.5 2.2 3.4	500		1.1	1.5	2.2	3		4					
			650												
			800												
	B22	1.1 2.2 3.4 5.5 7.5	500		1.5	2.2	3								
			650												
			800												

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	80	40	25	160	200	4	ø16
250	500	580	760		50	30	185	230		
	650	730	910							
300	500	580	760	95	60	35	210	250	4	ø20
320	650	730	910			35	240	300		
	800	900	1100							
400	500	580	760	110	70	35	210	250		
	650	730	910				240	300		
	800	900	1100				270	330		

四、Y_JB_N^T型油冷（油浸）式摆线电动滚筒

Y_JB_N^T 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. Y_JB_N^T型系列参数 Specification chart of Y_JB_N^T

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
				许配最大功率(kW)											
280	B18	1.5	500	1.5	2.2			3							
		2.2 3	650												
		800													
320	B18	1.1 1.5	500	1.1	1.5	2.2	3			4					
		2.2 3 4	650												
		800													
400	B18	1.1 1.5	500	1.1	1.5	2.2		3			4				
		2.2 3 4	650												
		800													
	B22	1.5 2.2	500	1.5	2.2	3	4	5.5	5.5						
		3 4	650						7.5						
		5.5 7.5	800												
			1000												
500	B22	1.5 2.2	500	1.5	1.5	2.2		3.0	4.0	5.5	5.5				
		3 4	650								7.5				
		5.5 7.5	800												
			1000												
	B27	2.2 3 4	650	2.2	3	4		5.5	7.5	11					
		5.5 7.5	800												
		11	1000												
			1200												
	B33	4 5.5 7.5	800	4	4	5.5	7.5	11	15	18.5			22		
		11 15	1000												
		18.5 22	1200												
	630	B27	4 5.5	650	4	4	4		5.5	7.5	11				
7.5 11			800												
			1000												
			1200												
630	B33	5.5 7.5	800	5.5	5.5		7.5	11	15	18.5			22		
		11 15	1000												
		18.5 22	1200												
	B39	7.5 11	800	7.5	7.5	11	15	18.5	22			30			
		15 18.5	1000												
		22 30	1200												
			1400												

筒径 (mm) Diameter	减速机 型号 Type	电机功率 Power (kw)	带宽 Width B (mm)	转速 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
				许配最大功率(kW)											
630	B45	15 18.5	800	15	18.5	22	30				37				
		22 30	1000												
			1200												
		37	1400												
800	B39	7.5 11	800	7.5	7.5	11	15	18.5	22				30		
		15 18.5	1000												
		22 30	1200												
			1400												
	B45	15 18.5	800	15	18.5	22	30				37				
		22 30 37	1000												
			1200												
			1400												

注 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。

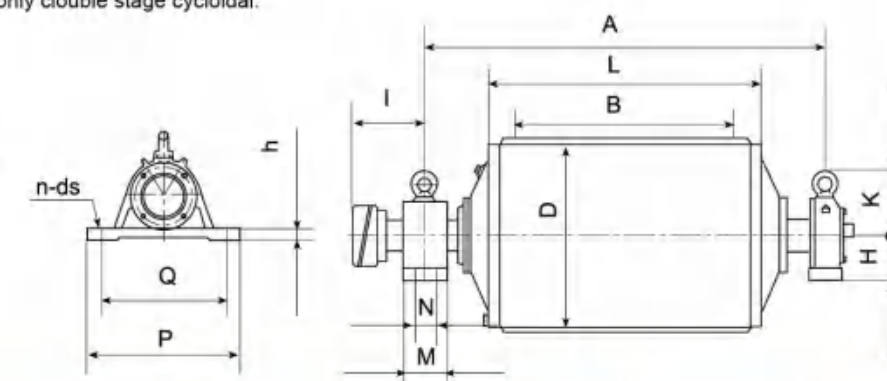
2. 表中粗线框内型号采用双级摆线。

Note: 1. 4 stage motor is applied for B18~B33, 6 stage motor is applied for B39~B45.

2. The type in thick line above means only double stage cycloidal.

2. Y_JB_N^T型系列外形安装尺寸

Contour and installation size of Y_JB_N^T



D	B	A	L	I	H	K	M	N	P	Q	h	n-ds	
280	500	850	600	95	100	125	70	/	340	280	35	4-27	
	650	1000	750										
	800	1300	950										
320	500	850	600		120	90	4-27						
	650	1000	750										
	800	1300	950										
400	500	850	600	95	120	140		90	/	340	280	35	4-27
	650	1000	750										
	800	1300	950										
	1000	1500	1150										
500	500	850	600		120	160 / 200	90	/	340	280	35	4-27	
	650	1000	750										
	800	1300	950										
	1000	1500	1150										
	1200	1750	1400										
630	650	1000	750		115	120	180	90	/	340	280	35	4-27
	800	1300	950										
	1000	1500	1150			160	195 / 200	160	80 / 90	440	360	45	8-34
	1200	1750	1400										
	1400	2000	1600										
	800	1300	950										
800	1000	1500	1150	115	160	195 / 200	160	80 / 90	440	360	45	8-34	
	1200	1750	1400										
	1400	2000	1600										

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

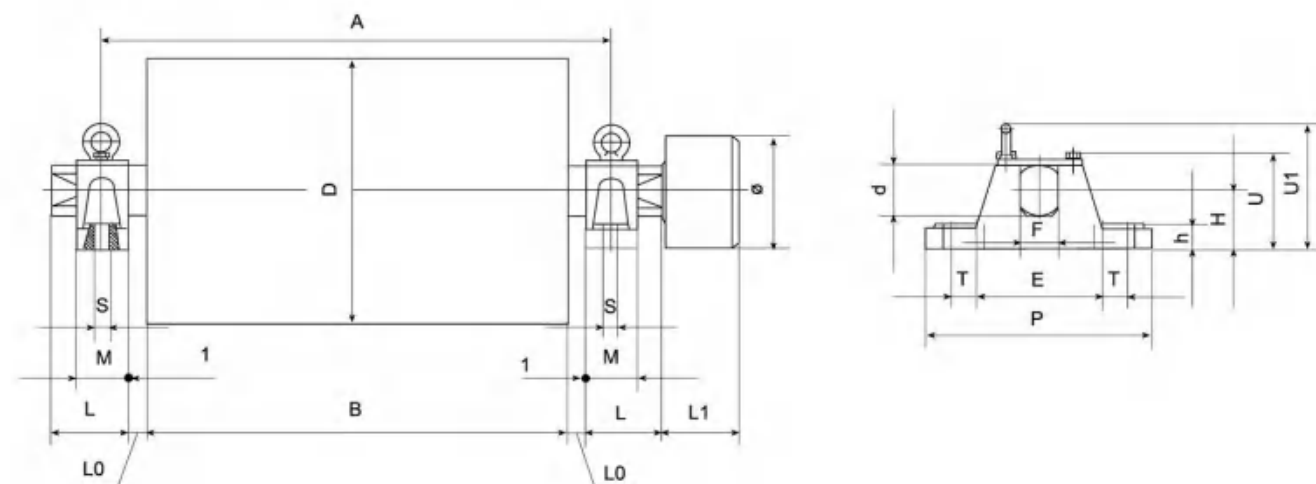
Specification chart of JA_N^T electric roller

筒径 (mm) Diameter	型式 Type	电机功率 Power (kw)	筒宽		带速 V Belt peed (m/s)													安装 中心距 mm	
			Bmin (mm)	Bmax (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		
320	I	1.5	500	1150	○	○	○	○	○	○	○	○							A=B+102配KL60型支座
		2.2					○	○	○	○	○	○	○	○	○				
		3.0						○	○	○	○	○	○	○	○	○			
		4.0								○	○	○	○	○	○	○			
		5.5									○	○	○	○	○	○			
400	I	1.5	500	1150				○	○	○	○	○							
		2.2							○	○	○	○	○	○	○				
		3.0									○	○	○	○	○	○	○		
		4.0										○	○	○	○	○	○		
		5.5											○	○	○	○	○		
	II	2.2	600			○	○	○	○										
		3.0	700					○	○										
		4.0	600						○	○	○								
		5.5							○	○	○	○							
		7.5	700								○	○	○						
500	I	1.5	600	1600					○	○	○	○	○					A=B+112配KL70型支座	
2.2							○	○	○	○	○	○							
3.0		700						○	○										
4.0		600							○	○	○	○	○	○	○				
5.5										○	○	○	○	○	○				
7.5		700										○							
600													○		○				

筒径 (mm) Diameter	型式 Type	电机功率 Power (kw)	筒宽		带速 V Belt peed (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	1600				○	○	○								A=B+112配KL85型支座
		5.5	650					○	○	○								
		7.5	850						○	○								
		11	750								○	○	○	○	○	○		
		15										○	○	○	○	○		
		18.5	850										○	○	○	○		
630	I	3.0	750	1600					○	○	○							A=B+112配KL85型支座
			650									○						
		4.0	750						○	○	○							
			650									○	○	○				
		5.5	750						○	○	○							
			650									○	○	○	○	○		
		7.5	850							○	○							
	II		750									○	○	○				A=B+132配KL100型支座
		11	850										○	○	○	○	○	
		15												○	○	○	○	
		18.5	850											○	○	○	○	
		11								○	○							
		15								○	○							
		18.5								○	○							
800	I	5.5	750	1600						○	○	○						A=B+112配KL85型支座
			850								○	○						
		7.5											○	○	○	○		
		11	750										○	○	○	○		
		15												○	○	○		
		18.5	850												○	○		
		11									○	○						A=B+132配KL100型支座
	II	15									○	○						
		18.5									○	○						
		22										○	○					
		30											○	○	○	○	○	
		37												○	○	○	○	
		45	1000												○	○	○	
1000	III	55	1200	1800														A=B+152配KL120型支座
			1150															
		55	1200															

2. JA_N^T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



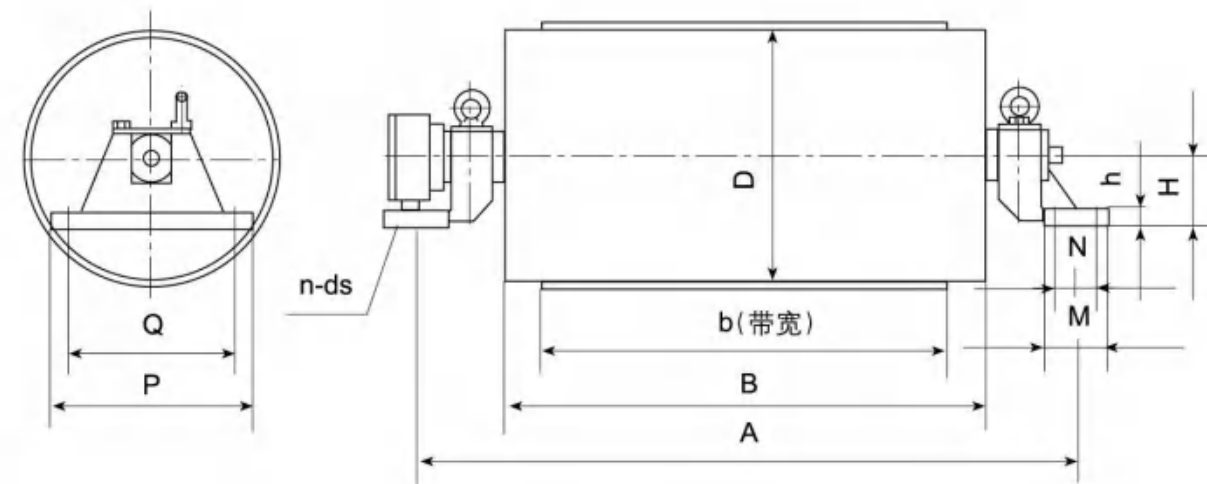
筒径 (mm) Diameter	型式 Type	A=B+2(L0+1)+M				L	S	T	d	F	E	P	h	H	L1	ø	U	U1		
		A	L0+1	M	支座															
320	I	B	20+1	60	KL60	90	18	30	60	45	150	270	30	70	90	135	116	151		
400	I			70	KL70		22	35	70	55	190	330	33.5	95			148	189		
	II																			
500	I																		KL85	85
	II																		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

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_N^T型油浸式行星电动滚筒

JX_N^T Oil-immersed planetary gear wheel electric roller

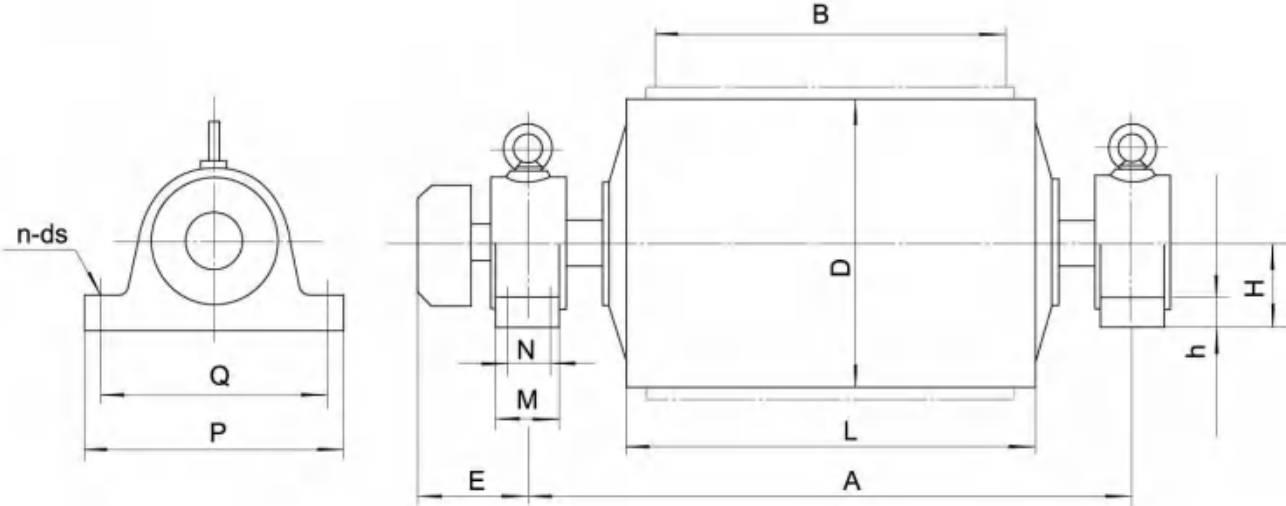
JX_N^T型油浸式行星电动滚筒是本公司为大中型皮带机配套的产品。电机采用油浸直接冷却，配用行星齿轮减速，扭矩大、精度高、噪声低、滚筒全密封，无渗漏，可用于粉尘大、潮湿等环境恶劣的场所，是皮带输送机、斗轮堆取料机、装卸船机理想的驱动装置。

JX_N^T 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_N^T型系列参数 Specification chart of JX_N^T

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	4.0
630	18.5	800	○	○	○	○	○	○	
	22		○	○	○	○	○	○	
	30		○	○	○	○	○	○	
	37		○	○	○	○	○	○	
800	18.5	1200	○	○	○	○	○	○	○
	22	1400	○	○	○	○	○	○	○
	30		○	○	○	○	○	○	○
	37			○	○	○	○	○	○
	45			○	○	○	○	○	○
	55			○	○	○	○	○	○
	18.5	1000			○	○	○	○	○
	22				○	○	○	○	○
1000	30				○	○	○	○	○
	37				○	○	○	○	○
	45				○	○	○	○	○
	55				○	○	○	○	○

2. JX_N^T型系列外形安装尺寸 Contour and Installation Dimenstions



D	B	A	L	H	M	N	P	Q	h	n-ds	E
630	800	1300	950	140	130	80	400	330	35	8-27	200
	1000	1500	1150	140	130	80	400	330	35	8-27	
	1200	1750	1400	160	150	90	440	360	50	8-34	
	1400	2000	1600	160	150	90	440	360	50	8-34	
800	800	1300	950	140	130	80	400	330	35	8-27	200
	1000	1500	1150	140	130	80	400	330	35	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	35	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	
	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，则可应用于有防爆要求的场合，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(GB5014-2017)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YWZ₆型电力液压块式制动器，并对应配套使用带有制动轮的同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 accasions. 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 (GB5014-2017) 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.

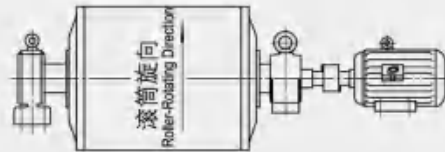
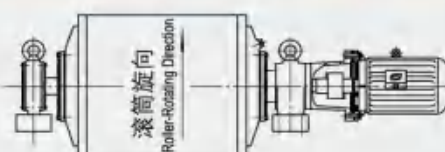
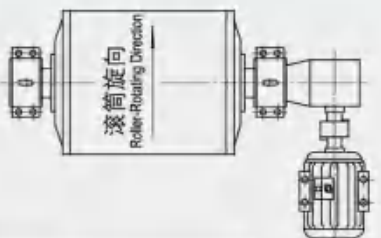
This kind of roller produced by our company has been used widely in big-sized and medium-sized conveyors in the fields of port, mine, metallurgy electric industry and well received by the users.

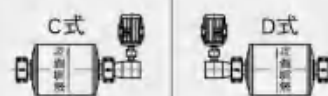


二、外置式电动滚筒类型分类

Classification of outside electric roller

外置表一 Table 1

WⅠ型卧式电机直联型外置电动滚筒 Model-WⅠ Horizontal Motor In-line External Electric Roller	型 号 Model	名 称 Name	功率范围 (kw) Power Range
	WⅠ□T _G	卧式直联联轴器型 ("T"可不标注，下同) Horizontal In-line Coupler Type ("T" is omitted, and similarly hereinafter)	1.5~160kw
	WⅠ□T _Y	卧式直联液力偶合器型 Horizontal In-line Hydrodynamic Coupling Type	
	WⅠ□N _G	卧式直联逆止联轴器型 Horizontal In-line Non-return Coupling Type	
	WⅠ□N _Y	卧式直联逆止液力偶合器型 Horizontal In-line Non-return Hydrodynamic Coupling type	
	WⅠ□Z _G	卧式直联制动联轴器型 Horizontal In-line Braking Coupling Type	
	WⅠ□Z _Y	卧式直联制动液力偶合器型 Horizontal In-line Braking Hydrodynamic Coupling Type	
WⅡ型立式电机直联联轴器型外置电动滚筒 Model-WⅡ Vertical Motor coupled-type	型 号 Model	名 称 Name	功率范围 (kw) Power Range
	WⅡ□T _G	立式电机直联联轴器型 Vertical Motor Coupled-type Coupling Type	1.5~37kW
	WⅡ□N _G	立式电机直联逆止联轴器型 Vertical Motor Coupled-type Non-return Coupler Type	
WⅢ型卧式电机垂直型外置电动滚筒 Model-WⅢ Horizontal Motor Vertical External Electric Roller	型 号 Model	名 称 Name	功率范围 (kw) Power Range
	WⅢ□T _G	卧式垂直联轴器型 Horizontal Vertical-Coupled Type	18.5~90kw
	WⅢ□T _Y	卧式垂直液力偶合器型 Horizontal Vertical-Hydrodynamic Coupling Type	
	WⅢ□N _G	卧式垂直逆止联轴器型 Horizontal Vertical-Non-return Coupling Type	
	WⅢ□N _Y	卧式垂直逆止液力偶合器型 Horizontal Vertical-Non-return Hydrodynamic Coupling Type	
	WⅢ□Z _G	卧式垂直制动联轴器型 Horizontal Vertical-Braking Coupling Type	
	WⅢ□Z _Y	卧式垂直制动液力偶合器型 Horizontal Vertical-Braking Hydrodynamic Coupling Type	



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 D (mm)	功率 P (kw)	带宽 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	4.0	
320	1.5	400	○	○	○	○	○					
	2.2	500	○	○	○	○	○					
	3.0	650	○	○	○	○	○					
		800	○	○	○	○	○					
	4.0	400		○	○	○	○					
		500		○	○	○	○					
	5.5	650		○	○	○	○					
		800		○	○	○	○					
	7.5	400					○	○				
		500					○	○				
		650					○	○				
		800					○	○				
400	1.5	400	○	○	○	○	○	○				
	2.2	500	○	○	○	○	○	○				
	3.0	650	○	○	○	○	○	○				
		800	○	○	○	○	○	○				
	4.0	400		○	○	○	○	○				
		500		○	○	○	○	○				
		650		○	○	○	○	○				
		800		○	○	○	○	○				
	5.5	400		○	○	○	○	○				
		500		○	○	○	○	○				
		650		○	○	○	○	○				
		800		○	○	○	○	○				
	7.5	400					○	○				
		500					○	○				
		650					○	○				
		800					○	○				
	1.5	400	○	○	○	○	○	○				
	2.2	500	○	○	○	○	○	○				
	3.0	650	○	○	○	○	○	○				
		800	○	○	○	○	○	○				
	4.0	400		○	○	○	○	○				
		500		○	○	○	○	○				
		650		○	○	○	○	○				
		800		○	○	○	○	○				
	5.5	400		○	○	○	○	○				
		500		○	○	○	○	○				
		650		○	○	○	○	○				
		800		○	○	○	○	○				
	7.5	400					○	○				
		500					○	○				
		650					○	○				
		800					○	○				
500	1.5	400	○	○	○	○	○	○				
	2.2	500	○	○	○	○	○	○				
	3.0	650	○	○	○	○	○	○				
		800	○	○	○	○	○	○				
	4.0	400		○	○	○	○	○				
		500		○	○	○	○	○				
		650		○	○	○	○	○				
		800		○	○	○	○	○				
	5.5	400		○	○	○	○	○				
		500		○	○	○	○	○				
		650		○	○	○	○	○				
		800		○	○	○	○	○				
	7.5	400					○	○				
		500					○	○				
		650					○	○				
		800					○	○				
	1.5	400	○	○	○	○	○	○				
	2.2	500	○	○	○	○	○	○				
	3.0	650	○	○	○	○	○	○				
		800	○	○	○	○	○	○				
	4.0	400		○	○	○	○	○				
		500		○	○	○	○	○				
		650		○	○	○	○	○				
		800		○	○	○	○	○				
	5.5	400		○	○	○	○	○				
		500		○	○	○	○	○				
		650		○	○	○	○	○				
		800		○	○	○	○	○				
	7.5	400					○	○				
		500					○	○				
		650					○	○				
		800					○	○				
	11	400					○	○				
		500					○	○				
		650					○	○				
		800					○	○				
	15	400					○	○				
		500					○	○				
		650					○	○				
		800					○	○				
		1000					○	○				

(2) WB_N^T型系列参数 WB_N^T Parameter table

外置表三 Table 3

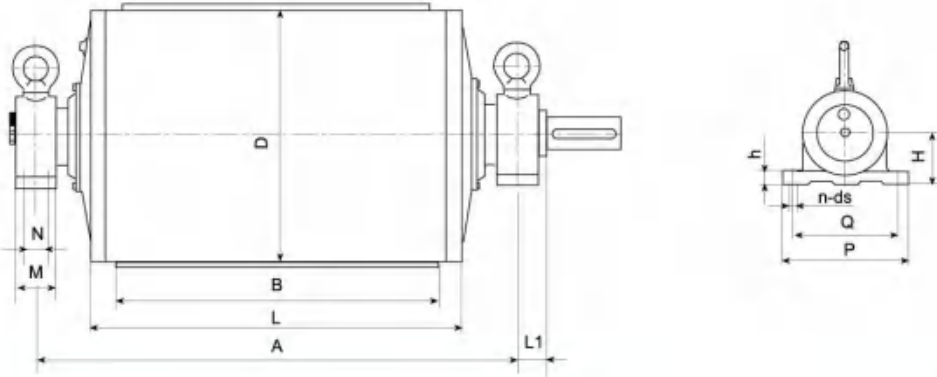
筒径D Diameter (mm)	减速机 型号 Type	电动机功率 motor power (kw)	带宽 B belt width (mm)	带速 V Belt speed (m/s)											
				0.32	0.4	0.5	0.63	0.8	1.0	1.25	1.6	2.0	2.5	3.15	4.0
				许配最大功率(kW)											
400	B18	1.1 1.5	500	1.1	1.5	2.2	3.0				4				
		2.2 3.4	650												
	B22	1.5 2.2	500	1.5	2.2	3	4	5.5	7.5						
		3.4 5.5 7.5	650												
500	B22	1.5 2.2	500	1.5	2.2	3	4/5.5	7.5							
		3.4 5.5 7.5	650												
	B27	2.2 3	500	2.2	3	4	5.5	7.5	11	15					
		4 5.5	650												
		7.5 11 15	800												
			1000												
	B33	4 5.5	500	4/5.5	5.5	7.5	11	15	18.5	22					
		7.5 11	650												
		15 18.5 22	800												
			1000												
630	B27	4 5.5	650	4	4	4	5.5	7.5	11	15					
		7.5 11	800												
		15	1000												
			1200												
	B33	5.5 7.5	800	5.5	5.5	7.5	11	15	18.5	22					
		11 15	1000												
		18.5 22	1200												
			1400												
	B39	7.5 11	800	7.5	7.5	11	15	18.5	22	30					
		15 18.5	1000												
		22 30	1200												
			1400												
	B45	11 15	800	11	15	18.5	22	30	37	45					
		18.5 22	1000												
		30 37	1200												
		45	1400												
800	B33	5.5 7.5	800	5.5	5.5	7.5	11	15	18.5	22					
		11 15	1000												
		18.5 22	1200												
			1400												
	B39	7.5 11	800	7.5	7.5	11	15	18.5	22	30					
		15 18.5	1000												
		22 30	1200												
			1400												
	B45	11 15	800	11	15	18.5	22	30	37	45					
		18.5 22	1000												
		30 37	1200												
		45	1400												

(3) WX_N^T 型系列参数 WX_N^T 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		○	○	○	○	○	○	
630	18.5	650		○	○	○	○	○	○	
	22	800		○	○	○	○	○	○	
	30	1000		○	○	○	○	○	○	
	37	1000		○	○	○	○	○	○	
	45	1200			○	○	○	○	○	
	55	1400			○	○	○	○	○	
800	18.5	800		○	○	○	○	○	○	○
	22			○	○	○	○	○	○	○
	30			○	○	○	○	○	○	○
	37				○	○	○	○	○	○
	45				○	○	○	○	○	○
	55				○	○	○	○	○	○
	75				○	○	○	○	○	○
	90				○	○	○	○	○	○
	110				○	○	○	○	○	○
	132					○	○	○	○	○
1000	18.5	1000				○	○	○	○	○
	22					○	○	○	○	○
	30					○	○	○	○	○
	37					○	○	○	○	○
	45					○	○	○	○	○
	55					○	○	○	○	○
	75					○	○	○	○	○
	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 Dimenstions

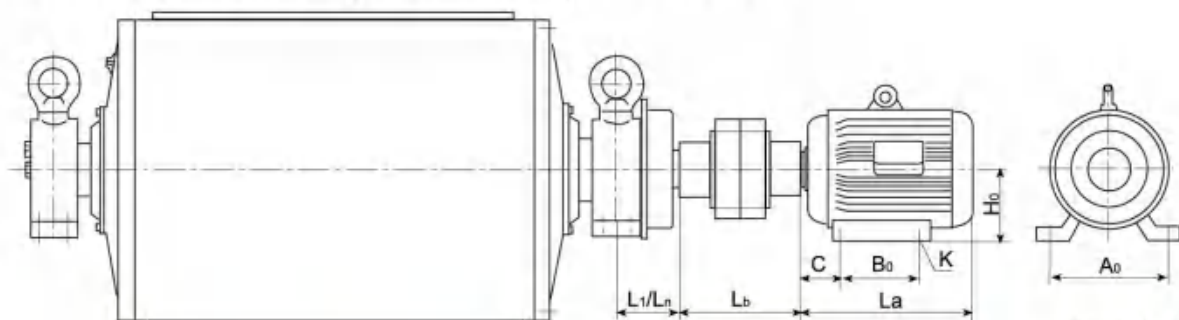


外置表五 Table 5

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

注： 图中L1值为输入支座中心到输入轴轴伸肩膀的尺寸。
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 Dimenstions



外置表六 Table 6

电机功率 Motor power (kW)	配联轴器 或耦合器 Shaft connector or mater	制动器 Liquid holdbacker	逆止器 (配WX)	安装尺寸								
				L ₁ /L _n	L _b	L _a	H ₀	B ₀	A ₀	C	K	
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		NJ168		1/2M+140	227	560	180	241	279	121	4-ø15
	HLL ₄ YA48X112	YWZ ₅ -315/80				300						
	YOX360			501								
	YOX ₂ 360	YWZ ₅ -315/80										
Y180L-4 22	HL ₄ YA48X112		NJ168	1/2M+140	227	600	180	279	279	121	4-ø15	
	HLL ₄ YA48X112	YWZ ₅ -315/80			300							
	YOX360				501							
	YOX ₂ 360	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 backers, see table 5: External assembly

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

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

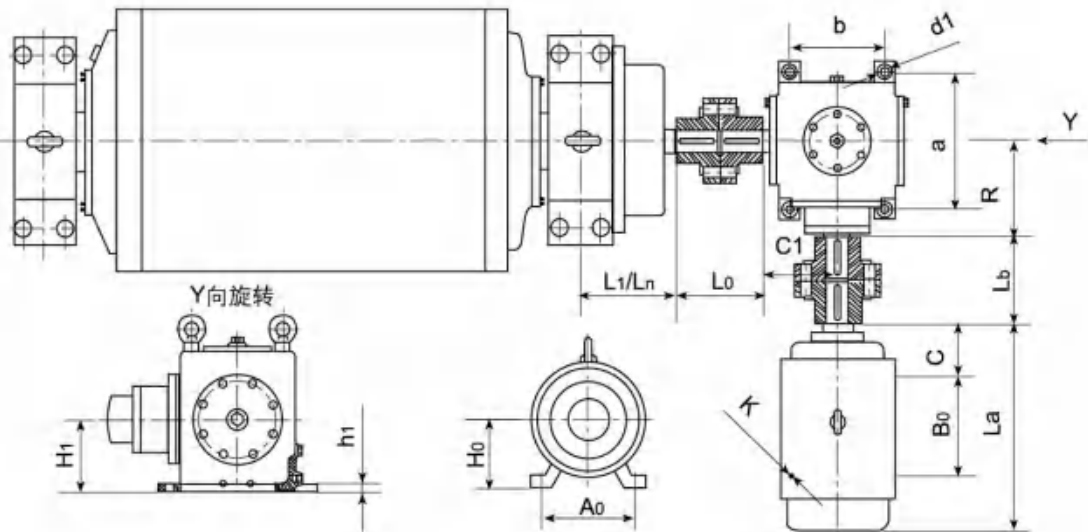
电机功率 Motor power (kW)	配联轴器 或偶合器 Shaft connector or mater	制动器 Liquid holdbacker	逆止器 (配WX)	安装尺寸							
				L1/Ln	Lb	La	H0	B0	A0	C	K
Y200L ₂ -6 22	HL ₄ YA55X112		NJ168	1/2M+140	227	665	200	305	318	133	4-ø19
	HLL ₄ YA55X112	YWZ ₅ -315/80			397						
	YOX450				580						
	YOX ₂ 450	YWZ ₅ -315/80									
Y225M-6 30	HL ₅ <u>YA60X142</u> YA55X112		NJ168	1/2M+140	257	705	225	311	356	149	4-ø19
	HLL ₆ <u>YA60X142</u> YA55X112	YWZ ₅ -400/80			397						
	YOX450				580						
	YOX ₂ 450	YWZ ₅ -315/80									
Y250M-6 37	HL ₅ <u>YA65X142</u> YA55X112		NJ168	1/2M+140	257	790	250	349	406	168	4-ø24
	HLL ₆ <u>YA65X142</u> YA55X112	YWZ ₅ -400/80			435						
	YOX500				664						
	YOX ₂ 500	YWZ ₅ -400/121									
Y280S-6 45	HL ₆ <u>YA75X142</u> YA60X142		NJ192	1/2M+145	288	860	280	368	457	190	4-ø24
	HLL ₈ <u>YA75X142</u> YA60X142	YWZ ₅ -400/121			435						
	YOX500				664						
	YOX ₂ 500	YWZ ₅ -400/121									
Y280M-6 55	HL ₆ <u>YA75X142</u> YA60X142		NJ192	1/2M+145	288	910	280	419	457	190	4-ø24
	HLL ₈ <u>YA75X142</u> YA60X142	YWZ ₅ -400/121			489						
	YOX560				736						
	YOX ₂ 560	YWZ ₅ -400/121									
Y315S-6 75	HL ₇ <u>YA80X172</u> YA70X142		NJ216	1/2M+150	318	1100	315	406	508	216	4-ø28
	HLL ₁₀ <u>YA80X172</u> YA70X142	YWZ ₅ -500/121			489						
	YOX560				736						
	YOX ₂ 560	YWZ ₅ -400/121									
Y315M-6 90	HL ₇ <u>YA80X172</u> YA70X142		NJ216	1/2M+150	318	1170	315	457	508	216	4-ø28
	HLL ₁₀ <u>YA80X172</u> YA70X142	YWZ ₅ -500/121									

电机功率 Motor power (kW)	配联轴器 或偶合器 Shaft connector or mater	制动器 Liquid holdbacker	逆止器 (配WX)	安装尺寸							
				L1/Ln	Lb	La	H0	B0	A0	C	K
Y315M-6 90	YOX600	YWZ ₅ -500/121			474						
	YOX ₂ 600				790						
Y315L ₁ -6 110	HL ₇ $\frac{YA80X172}{YA75X172}$	YWZ ₅ -500/201	NJ216	1/2M+150	348	1170	315	457	508	216	4-ø28
	HLL ₁₀ $\frac{YA80X172}{YA75X172}$				474						
	YOX600	790									
	YOX ₂ 600	YWZ ₅ -500/201									
Y315L ₂ -6 132	HL ₇ $\frac{YA80X172}{YA75X172}$	YWZ ₅ -500/201	NJ216	1/2M+150	348	1170	315	508	508	216	4-ø28
	HLL ₁₀ $\frac{YA80X172}{YA75X172}$				556						
	YOX650	829									
	YOX ₂ 650	YWZ ₅ -500/201									

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。

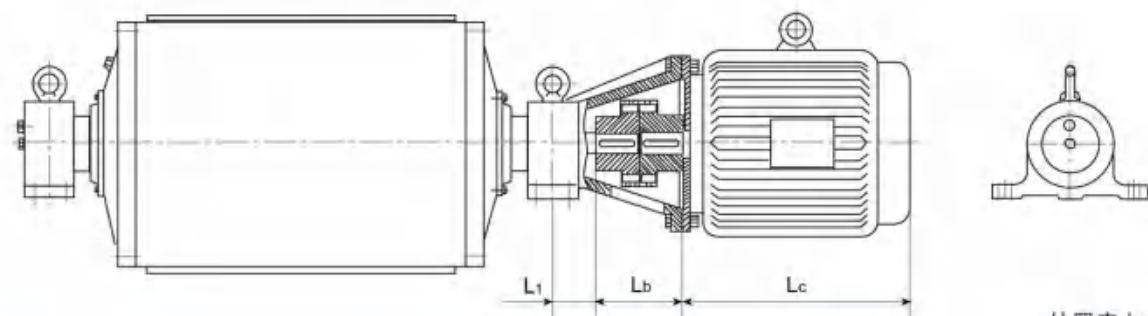
六、WⅢ型外置式电动滚筒驱动部分外形及安装尺寸

WⅢ Part contour and installing of roller body Dimenstions



	L ₁	L _n	L _s	L ₀	C1	b	a	R	H ₁	h ₁	d ₁	L _e		C	B ₀	A ₀	H ₀	K									
												联轴器 shaft connector	偶合器 mater														
Y180M-4 18.5	对应参照外置表五、表六中数据 See table 5, table 6: external assembly			HL4 YA48X112 227	170	230	330	270	160	35	22	HL4 YA48X112 227	YOX360 300	121	241	279	180	15									
Y180L-4 22																											
Y200L-4 30				HL4 YA55X112 227																							
Y225S-4 37																											
Y225M-4 45				HL5 YA60X142 287	190	270	370	315	180	35	22	HL5 YA60X142 287	YOX400 355	149	286	356	225	19									
Y250M-4 55																											
Y280S-4 75				HL6 YA60X142 YA70X142 288	190	270	370	315	180	35	22	HL6 YA60X142 YA70X142 288	YOX450 397	168	349	406	250	24									
Y280M-4 90																											
Y315S-4 110				HL7 YA70X142 288	235	340	460	350	200	35	28	HL7 YA70X142 288	YOX500 435	216	406	508	315	28									
Y315M-4 132																											
Y315L ₁ -4 160				HL7 YA70X142 YA75X172 318	235	340	460	350	200	35	28	HL7 YA70X142 YA75X172 318	YOX560 489	216	457	508	315	28									
Y200L ₁ -6 18.5																											
Y200L ₂ -6 22				HL4 YA55X112 227	170	230	330	270	160	35	22	HL4 YA55X112 227	YOX600 474	216	508	508	250	28									
Y225M-6 30																											
Y250M-6 37				HL5 YA60X142 YA55X112 257	190	270	370	315	180	35	22	HL5 YA60X142 287	YOX400 355	133	305	318	200	19									
Y280S-6 45																											
Y280M-6 55				HL6 YA60X142 288	190	270	370	315	180	35	22	HL6 YA60X142 288	YOX450 397	149	311	356	225	19									
Y315S-6 75																											
Y315M-6 90				HL7 YA70X142 288	235	340	460	350	200	35	28	HL7 YA70X142 288	YOX500 435	168	349	406	250	24									
Y315L ₁ -6 110																											
Y315L ₂ -6 132				HL7 YA70X142 YA75X172 318	235	340	460	350	200	35	28	HL7 YA70X142 YA75X172 318	YOX560 489	190	368	457	280	24									

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 Dimenstions



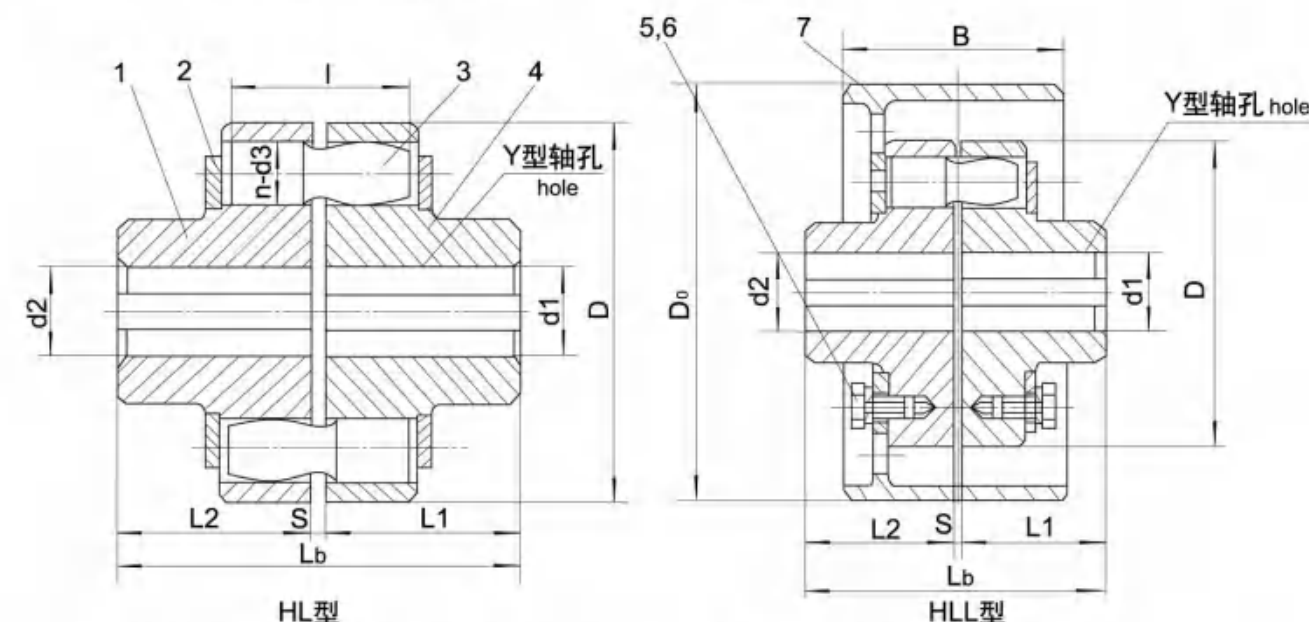
外置表七 Table 7

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	对应参照外置表五中数据 See table 5: External assembly	126.5	320	Y100L-6 1.5	HL ₂ YA28x62	对应参照外置表五中数据 See table 5: External assembly	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	Y132M1-6 4.0	HL ₃ YA38x82		166.5	435
Y132M-4 7.5	HL ₃ YA38x82		166.5	435	Y132M2-6 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	Y200L1-6 18.5	HL ₄ YA55x112		227	665
Y200L-4 30	HL ₄ YA55x112		227	665	Y200L2-6 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



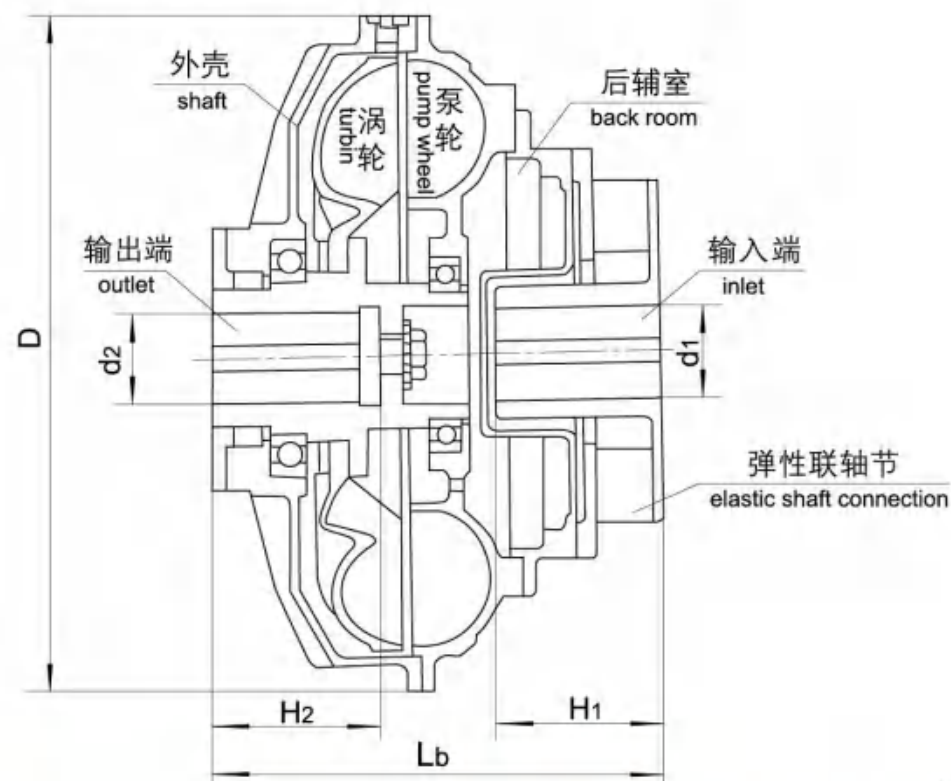
1、4—半联轴器half; 2—档板block; 3—柱销pin; 5—螺钉bolt; 6—垫圈washer; 7—制动鼓brake drum

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	l	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								
HL5 (HLL6)	2000	60/55	142/112	220	12-30	90	257	168	400	30 (70)
		65/55								
		60/60	142/142				287			
		65/60								
HL6 (HLL8)	3150	75/60	142/142	280	12-40	112	288	168	400	53 (88)
		75/70								
HL7 (HLL10)	6300	80/70	172/142	320	12-40	112	318	210	500	98 (156)
		80/80	172/172				348			

附录二：YOX限矩型液力偶合器

Appendix 2: Parameter and size of liquidic coupler



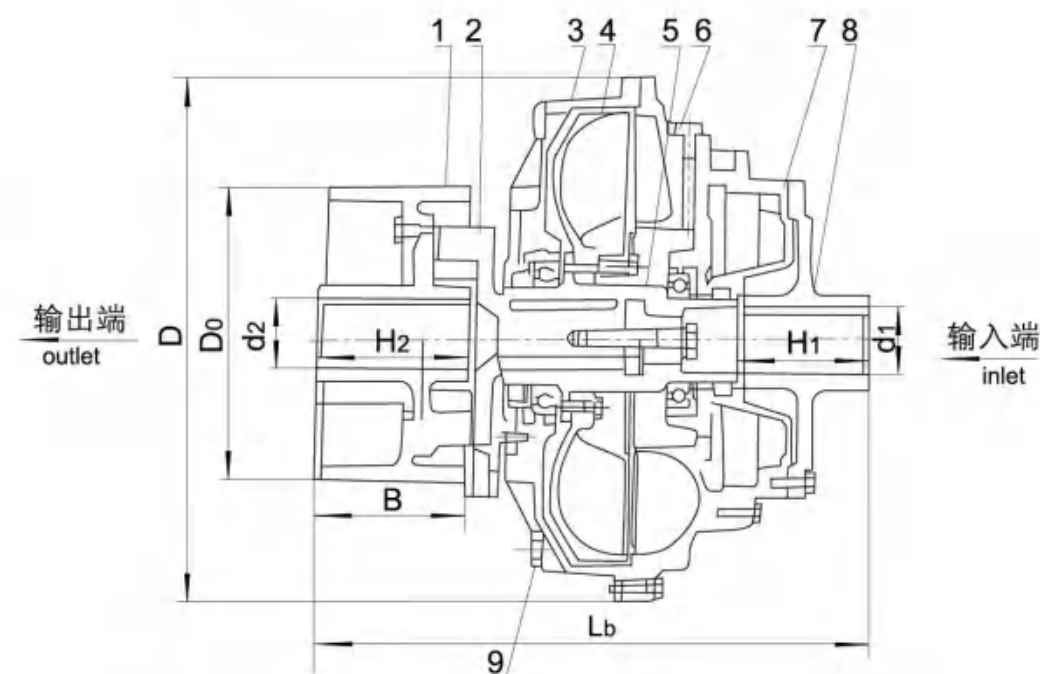
单位Unit: mm

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 mm	D (ϕ)	d1 (ϕ) max	H1 max	d2 (ϕ) 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：YOX₂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 | 2. 连接轴 Connecting shaft | 3. 外壳 Sheft |
| 4. 涡轮 Turbin | 5. 主轴 Main shaft | 6. 泵轮 Pump wheel |
| 7. 后辅腔 Back space | 8. 连接盘 Connecting plate | 9. 易熔塞 |

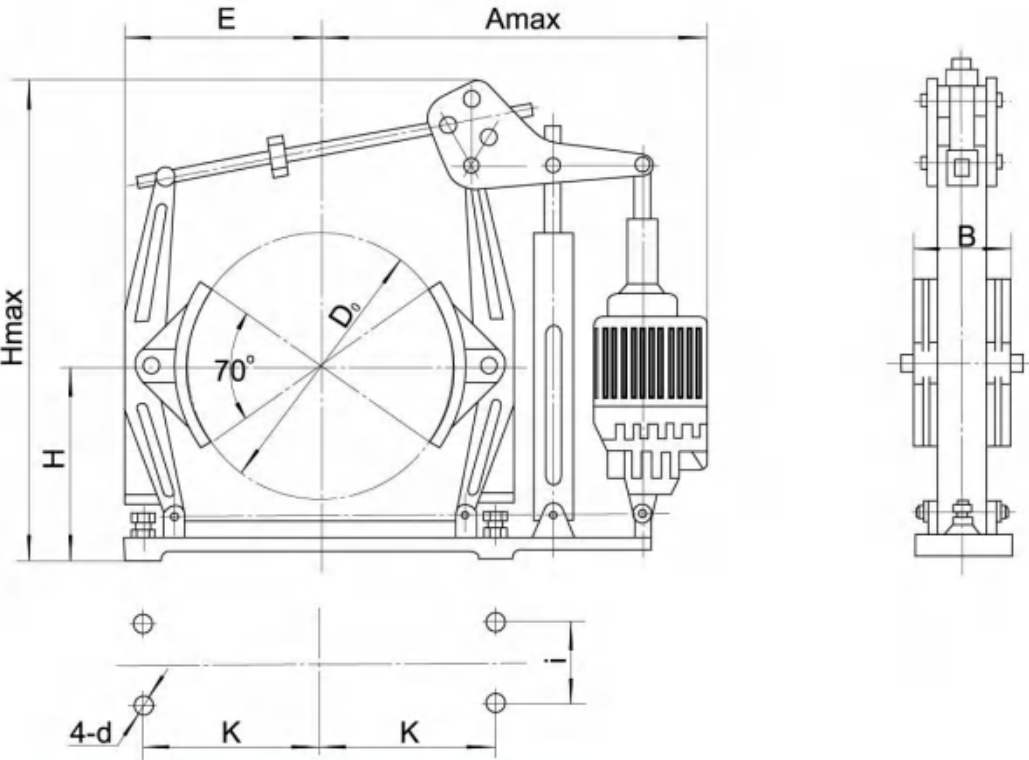
单位Unit: mm

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		制动轮尺寸 arrested-wheel size	
			Lb mm	D	d1 max	H1 max	d2 max	H2 max	最大 max	最小 min	直径 diameter D0	宽度 width B
YOXz360	1000	4.5~9	501	420	55	110	60	110	7	3.5	315	150
	1500	15~30										
YOXz400	1000	7.5~15	556	480	70	140	70	140	10	5	315	150
	1500	24~48										
YOXz450	1000	14~28	580	530	75	140	70	140	14	7	315	150
	1500	43~85										
YOXz500	1000	25~50	664	580	90	170	90	170	19	9.5	400	190
	1500	75~150										
YOXz560	1000	40~80	736	650	100	210	110	210	27	13.5	400	190
	1500	120~230										
YOXz600	1000	60~120	790	695	100	210	100	210	36	18	500	210
	1500	200~360										
YOXz650	1000	90~170	829	760	130	210	130	210	46	23	500	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



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	2000	200	160	90	145	55	14	165	445	487	33
YWZ ₅ -315/50	400-630	1.25	Ed50/6	210		315	225	110	220	80	18	242	535	573	61
YWZ ₅ -315/80	630-1000		Ed80/6	330									400	280	140
YWZ ₅ -400/80	630-1250	1.6				Ed121/6	400	280	140	270	100	22			
YWZ ₅ -400/121	1000-2000		656	760									94		
YWZ ₅ -500/121	1120-2240		745	845									136		
YWZ ₅ -500/201	2000-3600												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.