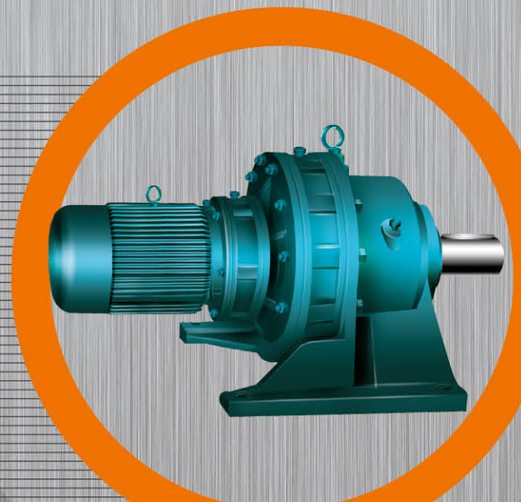
CA-019B-2013

中国名牌产品 CHINA TOP BRAND

国家大型企业 NATIONAL LARGE ENTERPRISE

中国驰名商标
CHINA WELL-KNOWN
TRADEMARK



摆线针轮减速机

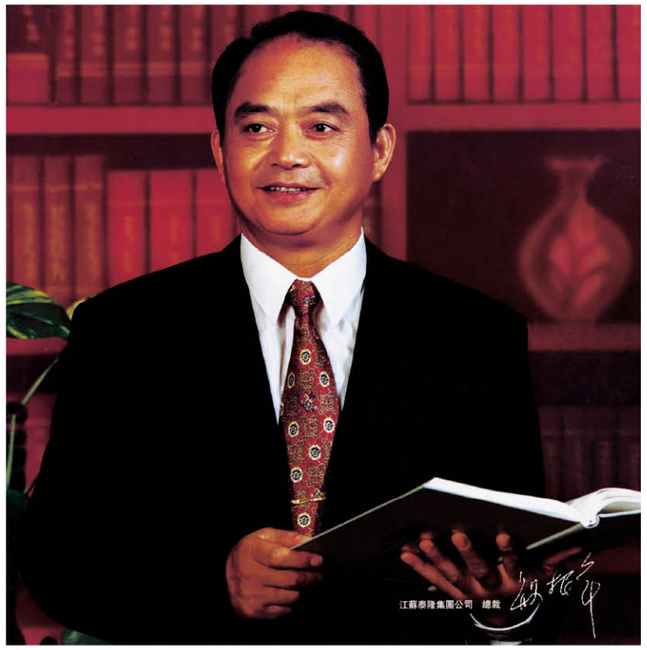
中国驰名商标
CHINA WELL-KNOWN
TRADEMARK

TAILONG

地址(ADD):江苏省泰兴市大庆东路88号
NO.88,Daqing Rd.(E)TaiXing City,Jiangsu Province, China
电话(TEL)：0086-523-87635698 87668018 87668028
传真(FAX)：0086-523-87662169 87665426 87665000
邮编(P.C)：225400
网址：http://www.tailong.com E-mail：tloffice@tailong.com

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，成为全国减变行业排头兵企业。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991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模块化齿轮减速电机、TXP行星模块化减速器、重载模块化齿轮减速器、点线啮合减速器、立式磨机及边缘传动磨机齿轮箱、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、葛州坝集团、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”等殊誉。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.

目 录

Catalogue

八、摆线针轮减速机各种系列标准相应机型对照表

The check list of type and series of cycloidal pin wheel reducer

B系列(泰隆标) B series (Tailong normal)	12	15	18	22	27	--	33	39	45	55	65	
X系列（天津标） X series (Tianjin normal)	2	3	4	5	6	7	8	9	10	11		12
B系列(上海标) B series (Shanghai normal)	B10	B11A B11	B12B B12	B13B B13	B14	B14A	B15	B16B B16	B17	B18		B19
B系列(化工部标) B series (Chemical normal)	B0	B1	B2	B3	B4	--	B5	B6	B7	B8	B9	
Z系列(机械部标) JB/T2982-94 Z seeries (Machinery normal)	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A		12A

B系列(泰隆标) B series (Tailong normal)	1512	1812	1815	2215	2218	2715	2718	3318	3322	3922	3927	4527	5527	5533	6533	
X系列（天津标） X series (Tianjin normal)	00	42	-	53	-	63	74	84	85	95	-	106	117	-		128
B系列(上海标) B series (Shanghai normal)	-	B120A	-	B131A	-	B141A	B142A	B152	B153	B163	-	B174	B184A	-		B195
B系列(化工部标) B series (Chemical normal)		20	-	31	-	41	42	52	53	63	-	74	84	-	95	
Z系列(机械部标) JB/T2982-94 Z seeries (Machinery normal)		42A		53A		63A	74A	84A	85A	95A		106A	117A			128A

B系列(机械部标) B series (Machinery normal)	181512	271812	331812	332215	392215
X系列(天津标) X series (Tianjin normal)	420	742	842	853	953

B系列(机械部标) B series (Machinery normal)	452715	552718	653322	
X系列（天津标） X series (Tianjin normal)	1063	1174		1285

注：上表四大系列摆线针轮减速机本公司均可生产，其传动原理和结构特点都是一样，只是输出轴尺寸和安装尺寸略有差异。

Note: The above four series of cycloidal pin wheel decelerators can all be produced in our company with the same driving mechanism and structure. The difference lies in the output shaft size and installing size.

TAILONG MACHINERY

特殊摆线针轮减速机系列

Special series of cycloidal pin wheel decelerator

我公司根据各行业要求，设计了多种特殊用途的减速机，其内部参数等同于同规格的摆线针轮减速机，性能、指标达到 JB/T53324-1997 的要求，欢迎各行业厂家来公司合作，本公司为您提供各种非标产品的设计、制造。

Besides we can design special decelerator under standard of JB/T53324-1997 with the same specs with other normal reducers. Any industrial works are welcomed.

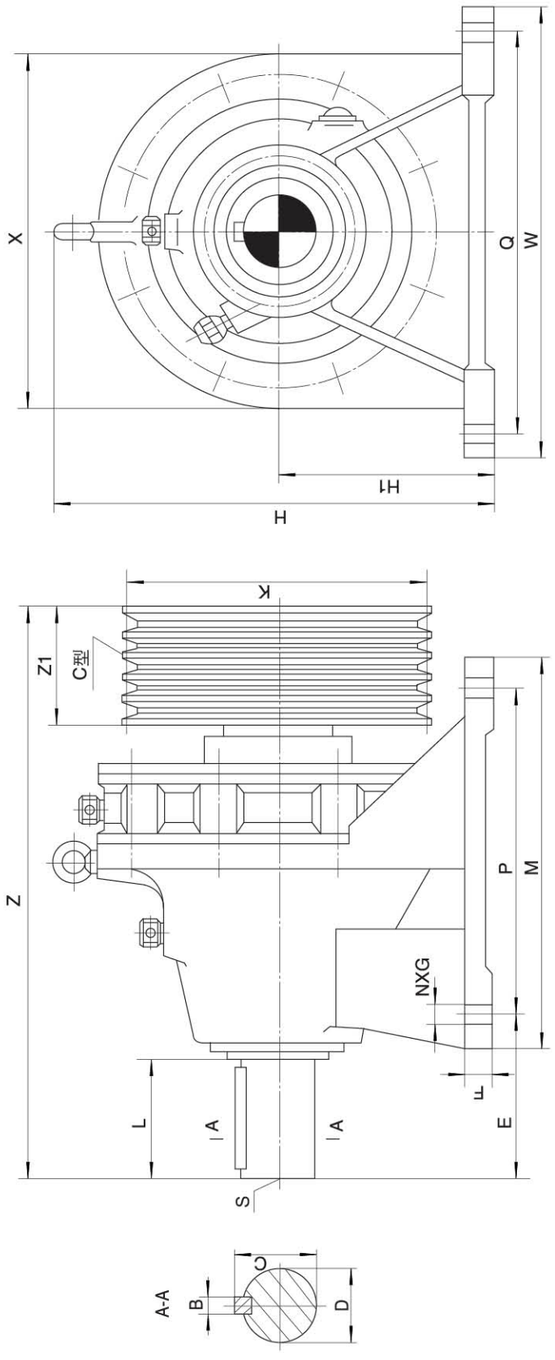
(一)、TSW 型减速机　　TSW decelerator

TSW 型摆线针轮减速机是为水泥成球盘机械配套设计制造的，性能、指标符合该行业使用要求，其输入部分为 C 型三角带轮。性能参数如下表：

The TSW cycloidal pin wheel decelerator is designed for cement ball-plater. The tech dates conform to national standard. The input part applies C triangle belt wheel. The parameters are as follows.

机　型 Type	许用转矩 Nm Allowed torque	减速机中心高 Center height	輸出轴轴径 D (h6) Output shaft diameter	传动比 Transmission ratio
TSW27	1600	200	70	11, 17, 23, 29 35, 43, 59, 71, 87
TSW33	3000	240	90	
TSW39	5000	280	100	
TSW45	10000	325	110	

TSW 型外形及安装联接尺寸
Contour and installing size of TSW decelerator



机 号 Type	许用转矩 Allowed torque N · m	Z	M	W	H	X	H_1	E	F	P	Q	S	K	NXG	B	C	D	L	Z_1
TSW27	1600	525	320	430	435	360	200	206	25	260	380	M12	260	4X⌀22	20	74.5	70	113	82
TSW33	3000	655	400	490	520	435	240	173	25	340	440	M16	380	4X⌀22	25	95	90	119	138
TSW39	5000	735	520	560	609	510	280	201	35	440	500	M20	380	4X⌀26	28	106	100	138	138
TSW45	10000	804	600	690	706	580	325	245	45	500	630	M24	380	6X⌀28	28	116	110	165	138

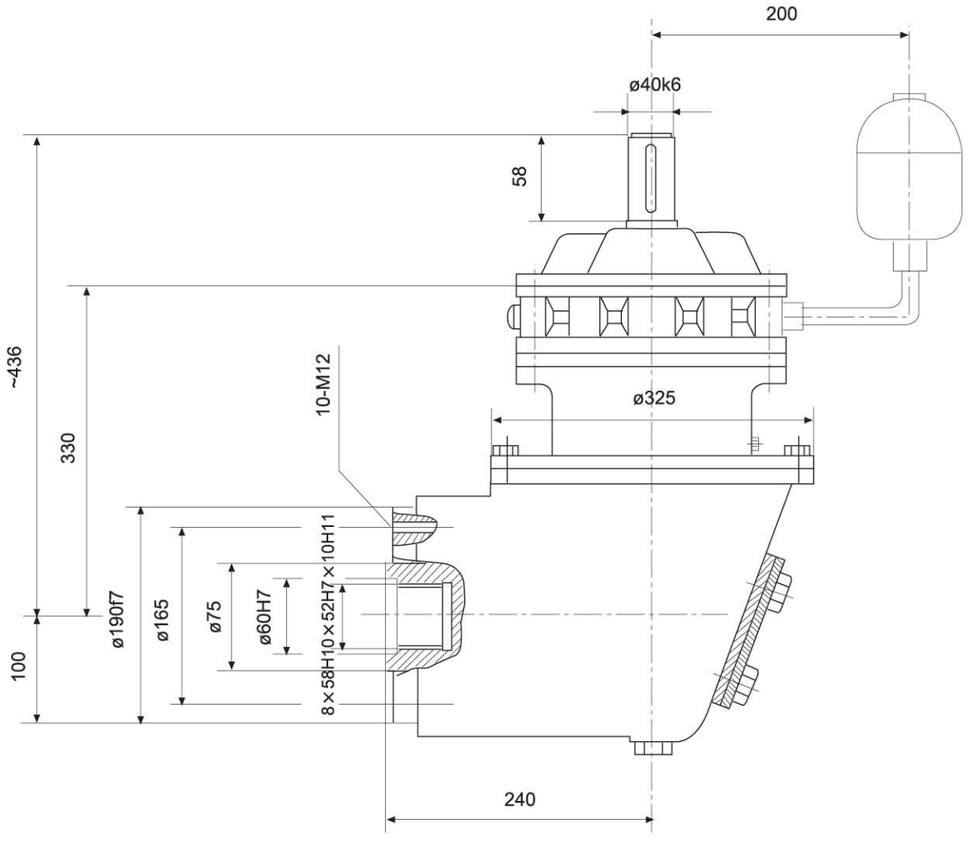
TAILONG MACHINERY

(二)垂直摆线减速机 QJ9907-57 安装尺寸：

Installation dimension of vertical cycloidal pin wheel decelerator QJ9907-57

该减速机是专为钢厂配套的组合减速机，高速级采用一级弧齿锥齿轮传动，低速级采用摆线针轮传动，输入功率 P ＝ 7.5KW，传动比为 14.29（$9 \times \frac{27}{17}$）

The reducer is combined machine special for steel factory, it drives with one stage are tooth taper gear in high-speed stage, with cycloidal pin wheel in low-speed stage. Input power P=7.5KW, transmission ratio is 14.29.



（三） 加长型摆线针轮减速机

Lengthen type of cycloid pin wheel decelerator

加长型摆线针轮减速机除具有标准型减速机的特点外,由于输出轴的两支承点距离加长,同时还能承受足够的轴向力,故能专配于各种搅拌装置作驱动,我厂还配套生产各种搅拌装置.加长型摆线针轮减速比 9~87,功率 4 极电机 0.55~22kw,6 极电机 5.5~55kw.

Lengthen type of cycloid pin wheel decelerator not only has standard´s characteristics, but also can load enough axial force.Because the distance between two supporting points is lengthende,special for driving of diversified churn-dasher devices,and we supply multi-type churn-dasher devices too. The transmission rate range from 9 to 87,fit for 6-pole motor 0. 55~22kw,4-pole 5.5~55kw.

(Ⅰ)、型号表示方法:

1、机型代号BLA,其意义为摆线针轮减速机系列派生产品,可作为各种搅拌轴的驱动装置,以下简称为 BLA 型.

2、机型号:

″15″ 、″18″ 、″22″ 、″27″ 、″33″ 、″39″ 、″46″ 、″56″ 、共8种

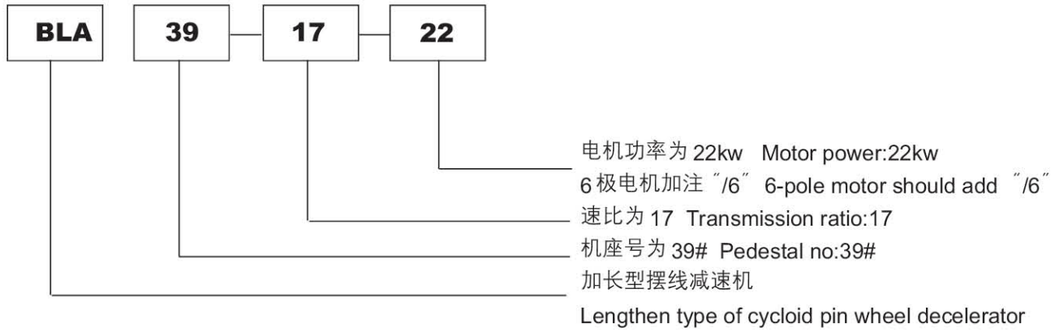
(Ⅰ) Type Illustration

1.BLA is signed for decelerator type,means that it is derivative product of cyclord pin wheel decelerator series,can used for driving device of various milling axle. short for BLA type in following.

2.Decelerator type

″15″ 、″18″ 、″22″ 、″27″ 、″33″ 、″39″ 、″46″ 、″56″ 8 classes in all.

3、表示方法如下:Symbol



(Ⅱ)、BLA 型摆线针轮减速机的选用:

1、BLA型摆线针轮减速机一般均采用Y系列防腐电机配套，用户订货时，均应对配套电机提出防腐等级或其它特殊要求.

2、BLA型摆线针轮减速机的润滑:所有机座号均为油泵润滑,机座号15#~39#油泵电机功率不大于 0.15kw,机座号 46 #、56# 油泵电机功率为 0.55kw.

3、BLA型摆线针轮减速机按标准型减速机选择方法选机型号,其具体型号、规格见表

(Ⅱ) Select

1.BLA type is fitted antisepsis motor in usual. when ordered, customer should illminate antisepsis class or other special requirements for motor.

2.Lubrication of BLA type:adopt oil pump all, pedestal no 05#-39# adopt pump which power is less than 0.15kw,the other 46#,56# for 0.55kw.

3.Selecting method of BLA type is same to standard´s see detail type,spec. in following table.

加长型摆线减速机型号及规格 Type and spec of lengthen cycloid pin wheel decelerator	电动机 Motor 型号 Type	电动机 Motor 功率 (kw) Power	机型号 Reducer type	输出轴转速（转/分） The rotation of output shaft(r/min) 161	132	112	97	85	69	63	58	50	41	34	31	28	25	20	17	公称扭矩 (N.m) Nominal torque
				9	11	13	15	17	21	23	25	29	35	43	47	51	59	71	87	
BLA15-i-0.55	Y801-4	0.55	15				○	○	○	○	○	○	○	○	○	○	△			180
BLA15-i-0.75	Y802-4	0.75		○	○	○	○	○	○	○	○	○	○	△						
BLA15-i-1.1	Y90S-4	1.1		○	○	○	○	○	○	○	△									
BLA15-i-1.5	Y90L-4	1.5			○	○	○	○	△											
BLA18-i-0.55	Y801-4	0.55	18							○	○	○	○	○	○	○	○	○	○	370
BLA18-i-0.75	Y802-4	0.75					○	○	○	○	○	○	○	○	○	○	○	○	△	
BLA18-i-1.1	Y90S-4	1.1					○	○	○	○	○	○	○	○	○	○	○	△		
BLA18-i-1.5	Y90L-4	1.5		○	○	○	○	○	○	○	○	○	○	○	△					
BLA18-i-2.2	Y100L1-4	2.2		○	○	○	○	○	○	○	○	○	△							
BLA18-i-3	Y100L2-4	3																		
BLA22-i-1.1	Y90S-4	1.1	22							○	○	○	○	○	○	○	○	○	○	740
BLA22-i-1.5	Y90L-4	1.5					○	○	○	○	○	○	○	○	○	○	○	○	△	
BLA22-i-2.2	Y100L1-4	2.2				○	○	○	○	○	○	△	○	○	○	○	△			
BLA22-i-3	Y100L2-4	3		○	○	○	○	○	○	○	○	○	○	△						
BLA22-i-4	Y90S-4	4		○	○	○	○	○	○	○	○	○	△							
BLA22-i-5.5	Y90L-4	5.5		○	○	○	○	○	○	△										
BLA22-i-7.5	Y100L1-4	7.5		○	○	○	○	△												
BLA27-i-2.2	Y100L2-4	2.2	27							○	○	○	○	○	○	○	○	○	○	1480
BLA27-i-3	Y112M-4	3					○	○	○	○	○	○	○	○	○	○	○	○	△	
BLA27-i-4	Y132S-4	4					○	○	○	○	○	○	○	○	○	○	○	△		

加长型摆线减速机型号及规格 Type and spec of lengthen cycloid pin wheel decelerator	电动机 Motor 型号 Type	电动机 Motor 功率 (kw) Power	机型号 Reducer type	输出轴转速（转/分） The rotation of output shaft(r/min) 161	132	112	97	85	69	63	58	50	41	34	31	28	25	20	17	公称扭矩 (N.m) Nominal torque
				9	11	13	15	17	21	23	25	29	35	43	47	51	59	71	87	
BLA27-i-5.5	Y132M-4	5.5	27		○	○	○	○	○	○	○	○	○	○	△					1480
BLA27-i-7.5	Y160M-4	7.5		○	○	○	○	○	○	○	○	○	△							
BLA27-i-11	Y160L-4	11		○	○	○	○	○	○	△										
BLA33-i-4	Y180M-4	4	33							○	○	○	○	○	○	○	○	○	○	2600
BLA33-i-5.5	Y132S-4	5.5					○	○	○	○	○	○	○	○	○	○	○	○	△	
BLA33-i-7.5	Y132M-4	7.5		○	○	○	○	○	○	○	○	○	○	○	○	○	△			
BLA33-i-11	Y160M-4	11		○	○	○	○	○	○	○	○	○	○	△						
BLA33-i-15	Y160L-4	15			○	○	○	○	○	○	○	○	△							
BLA33-i-18.5	Y180M-4	18.5			○	○	○	○	○	○	△									
BLA39-i-5.5	Y132S-4	5.5	39							○	○	○	○	○	○	○	○	○	○	4550
BLA39-i-7.5	Y132M-4	7.5						○	○	○	○	○	○	○	○	○	○	○	○	
BLA39-i-11	Y160M-4	11					○	○	○	○	○	○	△	○	○	○	○	△		
BLA39-i-15	Y160L-4	15			○	○	○	○	○	○	○	○	○	○	○	○	△			
BLA39-i-18.5	Y180M-4	18.5			○	○	○	○	○	○	○	○	○	△						
BLA39-i-22	Y180L-4	22			○	○	○	○	○	○	○	○	△							
BLA39-i-30	Y200L-4	30					○	○	○	○	○	△								

说明: 1.″O″ 标准产品电机允许全容量使用。

2.″△″ 标准产品，电机不允许全容量使用，必须按减速机输出扭矩选用。

3.选用时请考虑工况系数。

Note: 1.Marked ″O″,permit to apply motor full capacitance.

2.Marked ″△″,don't permit full capacitance,should select by output torque.

3.Please take working factor into consideration in selecting.

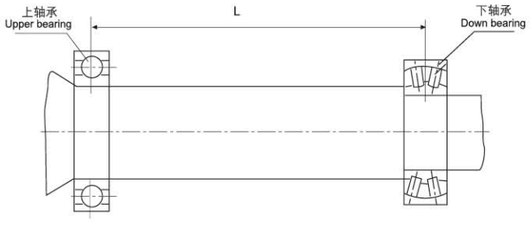
加长型摆线减速机型号及规格 Type and spec of lengthen cycloid pin wheel decelerator	电动机 Motor		机型号 Reducer type	输出轴转速（转/分） The rotation of output shaft(r/m)															公称扭矩 (N.m) Nominal torque
	型号 Type	功率 (kw) Power		98	81	70	58	47	43	39	34	28	23	21	19	17	14	11	
				9	11	15	17	21	23	25	29	35	43	47	51	59	71	87	
BLA39-i-5.5	Y132M2-6	5.5	39						○	○	○	○	○	○	○	○	○	○	4550
BLA39-i-7.5	Y160M-6	7.5				○	○	○	○	○	○	○	○	○	○	○	△		
BLA39-i-11	Y160L-6	11		○	○	○	○	○	○	○	○	○	○	○	△				
BLA39-i-15	Y180L-6	15		○	○	○	○	○	○	○	○	△							
BLA39-i-18.5	Y200L1-6	18.5			○	○	○	○	○	○	△								
BLA39-i-22	Y200L2-6	22				○	○	○	○	△									
BLA46-i-11	Y160L-6	11	46						○	○	○	○	○	○	○	○	○	△	8320
BLA46-i-15	Y180L-6	15				○	○	○	○	○	○	○	○	○	○	○	△		
BLA46-i-18.5	Y120L1-6	18.5			○	○	○	○	○	○	○	○	○	○	○	△			
BLA46-i-22	Y200L2-6	22		○	○	○	○	○	○	○	○	○	○	△					
BLA46-i-30	Y225M-6	30		○	○	○	○	○	○	○	○	△							
BLA46-i-37	Y250M-6	37		○	○	○	○	○	○	○	△								
BLA46-i-45	Y280S-6	45			○	○	○	○	△										
BLA46-i-55	Y280M-6	55					△	△											
BLA56-i-18.5	Y200L1-6	18.5	56						○	○	○	○	○	○	○	○	○	○	14800
BLA56-i-22	Y200L2-6	22					○	○	○	○	○	○	○	○	○	○	○	△	
BLA56-i-30	Y225M-6	30		○	○	○	○	○	○	○	○	○	○	○	○	△			
BLA56-i-37	Y250M-6	37		○	○	○	○	○	○	○	○	○	○	△					
BLA56-i-45	Y208S-6	45		○	○	○	○		○	○	○	○	△						
BLA56-i-55	Y280M-6	55				○	○			○	○	△							

说明：1."○" 标准产品电机允许全容量使用。
2."△" 标准产品，电机不允许全容量使用，必须按减速机输出扭矩选用。
3.选用时请考虑工况系数。

Note: 1.Marked "○",permit to apply motor full capacitance.
2.Marked "△",don't permit full capacitance,should select by output torque.
3.Please take working factor into consideration in selecting.

（Ⅲ)BLA 型摆线针轮减速机的外形及安装尺寸： The contour and installation size of BLA

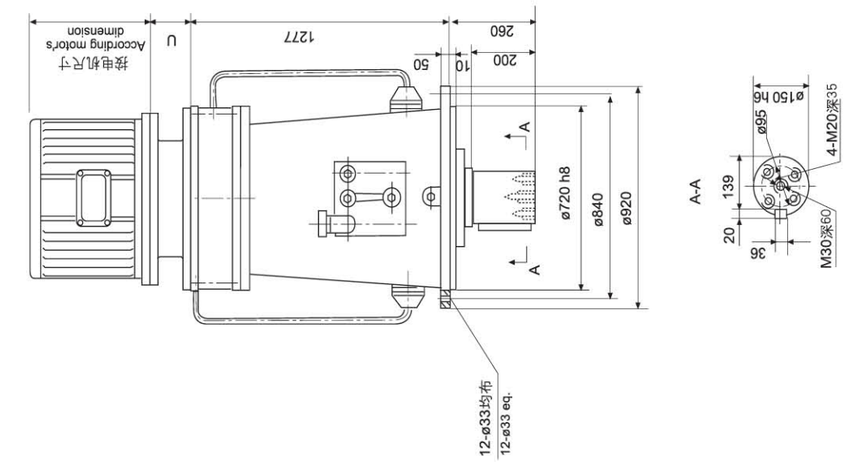
机型号 Reducer type	D	D1	D2	M	d(h)	b	c	E	l	R	h	n	d0	L1	L2	u
BLA15	230	200	170	M33x1.5	35	10	38.5	65	58	4	16	6	12	83	425	见 P28 页附表 (二)
BLA18	260	230	200	M42x1.5	45	14	48.5	89	82	4	20	6	14	107	486	
BLA22	340	310	270	M52x1.5	55	16	59	89	82	4	22	6	14	110	515	
BLA27	400	360	316	M68x2	70	20	74.5	114	105	5	25	8	18	134	585	
BLA33	490	450	400	M85x2	90	25	95	140	130	6	30	12	18	168	690	
BLA39	580	520	455	M95x2	100	28	106	177	165	8	35	12	23	202	832	



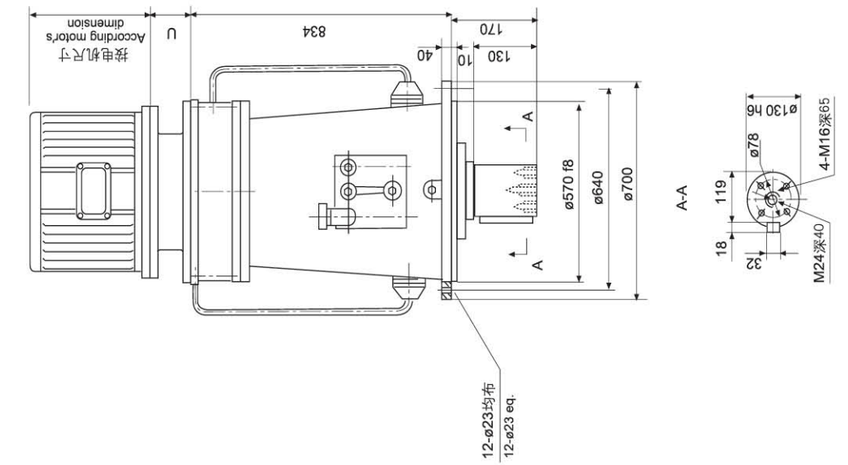
机型号 Reducer type	L	上轴承型号 Type of upper bearing	下轴承型号 Type of down bearing	参考重量(kg) Reference weight
BLA15	316	6210	22208	30
BLA18	350	6212	22311	52
BLA22	395	6315	22213	110
BLA27	442	6318	22217	170
BLA33	525	6322	22220	300
BLA39	615	6324	22222	495
BLA46	646	NJ228	23126	800
BLA56	800	NJ232	23130	1870

TAILONG MACHINERY

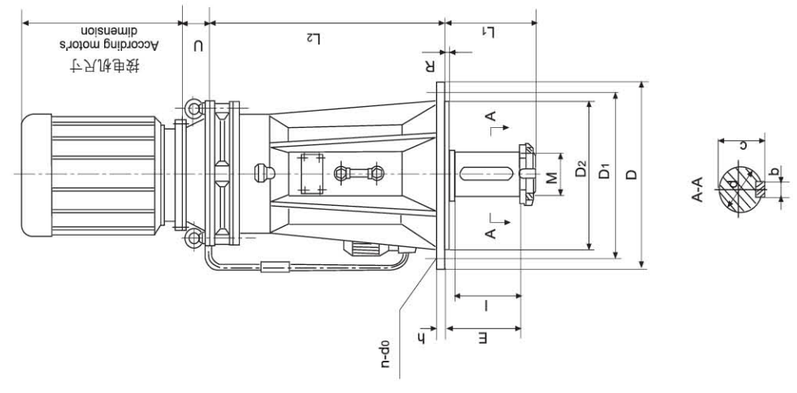
BLA56型摆线减速机外形安装图
Installation contour dia.of BLA56



BLA46型摆线减速机外形安装图
Installation contour dia.of BLA46



BLA15—39型摆线减速机外形安装图
Installation contour dia.of BLA15-39



(四)立式摆线针轮减速机配套机架

The Accessory Frame of Vertical Cycloid Pin Wheel Reducer

机架系列及选用原则　The Series Frames and Selection Principle.

1.机架的选用，原则上是根据减速机输出轴径的大小来确定机架型号，只要接口形式及安装尺寸相符，减速机的输出轴大小在一定范围内可以对机架型号上下浮动。若选用带接板机架，减速机的安装尺寸与机架不符，在一定范围内我厂也可以对接板进行调整与减速机联接，满足用户要求。

2.无支点机架。机架本身无轴的支承点，搅拌轴是以减速机输出轴的两个支承轴为受力支点，可用于传递小功率、不受或只受较小轴向负荷、搅拌不太强烈的搅拌装置。搅拌轴与减速机联接必须用刚性联轴器，特别是以 JQ 型夹壳联轴器为最佳。

3.单支点机架。具备下列条件之一者，选用单支点机架为最佳。

(1)搅拌容器设置底轴承，作为一个受力支点；

(2)轴封本体设有轴承（包括刚性衬套），作为一个受力支点（受力程度按轴封要求规定）；

(3)搅拌容器内，轴中部设有导向轴承，作为一受力支点（即中间轴承）。

当具备上述条件的搅拌轴，在选用单支点机架时，搅拌轴与减速机之间的联轴器须选用HL型弹性柱销联轴器。

在实际应用中常用刚性联轴器代替弹性柱销联轴器联接搅拌轴与减速机出轴、取消底轴承或中间轴承等支点。这样使用，简化了单支点支架的应用条件，但只适宜于搅拌不强烈、功率较小，对轴承负荷较小的场合。这时联轴器应选用 GT 型刚性凸缘联轴器，以利轴向尺寸方面的微量调整；原则上不能用JQ型夹壳联轴器，若采用夹壳联轴器，则必须对支点的轴承结构进行变动，采用带紧定套的锥孔调心滚子轴承，或者取掉夹壳联轴器中的悬吊环，使搅拌轴的轴向位置有适当调整的余地。

4.双支点机架。不宜于选用无支点、单支点机架时，应选用双支点机架。但选用的双支点机架下支点轴承结构带紧定套的锥孔调心滚子轴承便利于安装维修，且搅拌轴与减速机之间的联接必须选用 HL 型弹性柱销联轴器。

1. The principle of selection frame. In principle we could choose the frame type of output shaft diameter according to the interface mode and the installation dimensions. The output shaft could float according to the frame type. In order to meet the customers' requirement we could adjust the joining of the panel and the reducer at some range if the installation size is not matched with the frame when select the frame with Plug-board.

2. The frame without support. There is no supporting points of the reducer's own frame. The mixer axle which is supported by the two supporting bearings of the reducer's output shaft could be used in transmitting the small power, not accepted or minor accepted the with axial load.

3. Single-support frame. You'd better select the single-support frame when the condition is as following:

(1). The agitator tank is set up a bearing as a supporting point.

(2). The reality gland seal (including the rigidity shell) is set up a bearing as a force supporting. (the forcing degree is sized according to the gland seal requirement).

(3). There is setting a lower shoe bearing at the center axial as a forcing support (namely center bearing).

The mixer shaft and the reducers' coupling should select the HL type elastic pin coupling when we use the single point frame which meet the above conditions' mixer shaft.

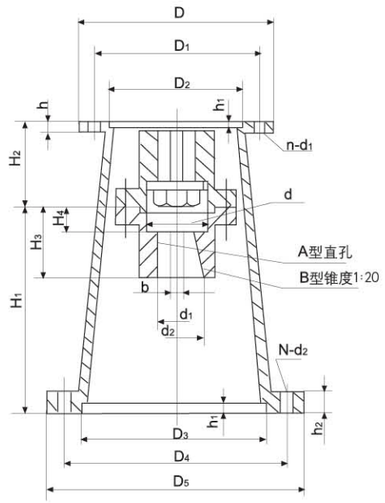
In practical application, the rigid coupling is usually used to connect mixing shaft to output shaft instead of elastic pin coupling, cancel support such as down bearing or middle´s. So that,it simplify the application undition of single support frame,but limitted to moderate mix,small power and small bearing load and so. Here it should adopt GT type of rigid coupling,which benifit for the micw-adjustmet of axial direction size, In principle,don't adopt JQ type of split coupling, if select this type, it has to change bearing structure of support, adopt tapered are self-aligning roller bearing added adapter sleeve or take off suspending ring of split coupling ,in order to enable adjustment leeway fagitator axle in axial direction.

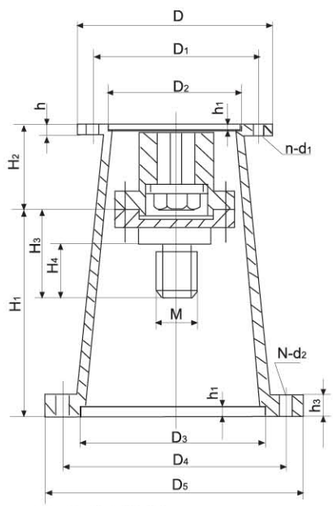
4.Double-support frame,when the frame without support and single-support frame is not suitable, should select double-support frame,But the down bearing of the double-support frame should be tapered core self-aligning roller bearing added adapter sleeve which vail for assembly and main tenance, and also select HL type of elastic pin coupling to connect mixing shaft and decelerator.

TAILONG MACHINERY

(一)JA 型通用机架　General stand type frame JA

JA 大法兰机架<厂标>　JA type frame　　JA Ⅱ<69标>机架　JA Ⅱ type 69 standard frame





JA 型<大法兰>机架　JA type frame　　JA Ⅱ 型 69 标机架　JA Ⅱ type 69 standard frame

JA(厂标)无支点机架主要参数及尺寸　Primary meters and sizes of JA frame without suppert

机架型号 frame type	减速机型号 reducer type	输入端接口 inlet edge						输出端接口 outlet edge					H_1	H_2	H_3	H_4	d	A型直孔 A type straight hole		B型锥孔 B type cone-socket 1:20	
		D	D_1	D_2	h	h_1	n-d_1	D_3	D_4	D_5	h_2	n-n_2						d_1	b	d_2	b
JA0	B12	190	160	140	16	5	4-12	165	210	250	16	6-12	205	55	55	18	45	30	8		
JA1	B15	230	200	170	16	5	6-12	215	260	290	16	8-12	200	101	75	25	50	35	10	35	10
JA2	B18	260	230	200	20	6	6-14	290	350	380	20	8-14	250	116	90	30	70	45	14	50	14
JA3	B22	340	310	270	22	6	6-14	360	440	480	22	8-18	300	134	110	30	80	55	16	60	18
JA4	B27	400	360	316	25	7	8-18	440	535	580	25	8-22	380	138	130	40	90	70	20	70	20
JA5	B33	490	450	400	25	7	12-22	500	560	620	25	8-24	486	149	150	48	110	90	25	95	25
JA6	B39	580	520	455	25	9	12-22	480	560	600	30	16-23	455	195	170	45	120	100	28	100	28
JA7	B45	650	590	520	30	11	12-27	560	650	700	30	16-27	503	221	185	45	130	110	28	110	28
JA8	B55	880	800	680	30	11	12-37	720	810	880	37	20-27	569	249	245	45	150	130	32	130	3

本机架适用于摆线针轮减速机的联接，配刚性联轴器，上联轴器装A型直孔或B型锥孔，锥度为 1:20 的联轴器。该机架无支承适用于反应器传来的轴向力不大时使用。

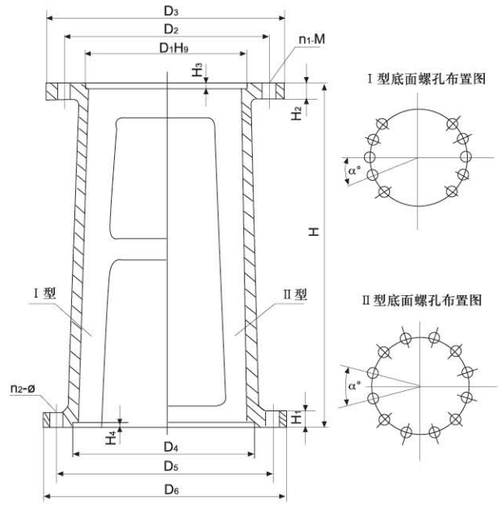
The frame is applied in connecting cycloid pin wheel decelerator with rigidity coupling upper coupling is joined with A type straight hole or B type cone-socket, subulate degree is 1:20. The frame without support is the same with less axial force be from reactor.

JA Ⅱ(69 标）无支点机架，配螺纹联轴器主要参数及尺寸

Primary meters and sizes of JA Ⅱ (69 standard) frame without support

机架型号 frame type	减速机型号 reducer type	输入端接口 inlet edge						输出端接口 outlet edge					H_1	H_2	H_3	H_4	M	反应罐容积 Volume (升)
		D	D_1	D_2	h	h_1	n-d_1	D_3	D_4	D_5	h_2	n-n_2						
JA II1	B15	230	200	170	16	5	6-12	215	260	290	16	4-12	226	84	93	50	M33x2	50-100
															120	60	M42x3	200
JA II2	B18	260	230	200	20	6	6-14	230	300	345	20	3-18	243	107	120	60	M42x3	200-300
															120	60	M48x3	500
JA II3	B22	340	310	270	22	6	6-14	320	400	460	22	4-20	323	117	120	80	M60x4	1000
															120	80	M68x4	1500
															120	80	M78x4	2000
JA II4	B27	400	360	316	22	7	8-18	440	530	580	25	8-22	392	129	130	80	M78x4	3000
JA II5	B33	490	450	400	25	7	12-22	450	550	600	28	8-22	385	155	130	80	M78x4	5000

(二)WJ、LWJ 型无支点机架尺寸
Dimension of WJ, LWJ type frame without support



WJ、LWJ 型无支点机架　WJ, LWJ type frame without support

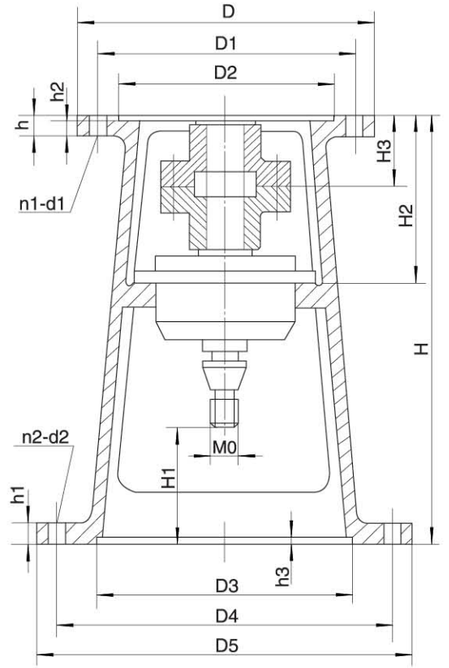
机架型号 frame type	H_1	H_2	H_3	H_4	输入端接口 inlet edge				输出端接口 outlet edge					WJ型 WJ type		LWJ型 LWJ type	
					D_1	D_2	D_3	n_1-M	D_4	D_5	D_6	α^0	n2-∅	H	重量(kg)weight	H	重量(kg)weight
WJ LWJ	30	A B			20	15	4 4	6	140 170	160 200	190 230	4-M10 6-M10	240	285	315	I20 II30	10-∅14 12-∅14	450	34	600	43
WJ LWJ	35	A			24	15	5	6	170	200	230	6-M10	260	320	360	I20 II30	10-∅14 12-∅14	500	46	650	54
WJ LWJ	40	A			24	15	4	6	200	230	260	6-M12	260	320	360	I20 II30	10-∅14 12-∅14	500	46	650	54
WJ LWJ	45	A			24	15	5	6	200	230	260	6-M12	260	320	360	I20 II30	10-∅14 12-∅14	500	49	650	57
WJ LWJ	55	A B			30	20	6	6	270	310	340	6-M12	325	400	435	30	12-∅14	540	75	690	83
WJ LWJ	65	A			34	20	6	6	316	360	400	8-M16	350	420	460	30	12-∅18	600	96	750	107
WJ LWJ	70	A B			34	20	6	6	316	360	400	8-M16	350	420	460	30	12-∅18	600	96	750	107
WJ LWJ	80	A B			38	25	6	8	345	390	430	8-M16	380	455	495	30	12-∅18	640	130	790	139
WJ LWJ	90	A B			40	25	7	8	400	450	490	12-M20	430	510	555	30	12-∅23	660	168	860	183
WJ LWJ	100	A B	120	A	40	25	9	10	455	520	580	12-M20	480	560	600	22.5	16-∅23	700	205	900	224
WJ LWJ	110	A B	120	A	40	30	11 6	10	520	590	650	12-M24	560	650	700	22.5	16-∅27	800	257	1000	274
WJ LWJ	130	A B	140	A	44	30	11 9	10	680	800	880	12-M30	720	810	880	18	20-∅27	900	318	1200	365
WJ LWJ	150	A B	160	A B	50	35	14 10	12	760	920	1020	12-M30	840	940	1020	22.5	16-∅33	1000	420	1300	480
WJ LWJ	180	A B			55	40	14 10	12	900	1020	1160	8-M36	970	1080	1160	18	20-∅33	1100	560	1400	630

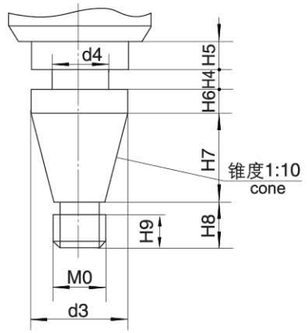
注：增高后的 LWJ 型机架，其内部中间高度可同时容纳 207 型双端面机械封及 SF 型三分式联轴器。

Note: After LWJ type frame is heightened, it can float 207 type double-face mechanical seal and SF type trichotomy coupling in middle height at one time.

TAILONG MACHINERY

(三)JB型 (79标) 机架尺寸　Frame size of JB type (79 standard)

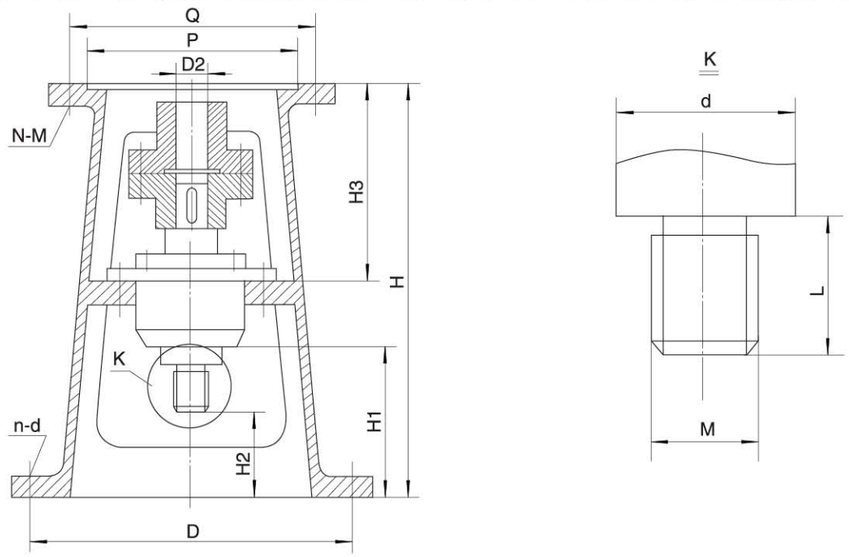




机架型号 frame work type	减速机 (BLY)	输入端接口 Inlet edge						输出端接口 Outlet edge						尺寸 dimension											反应罐容积(升) volume (L)
		D	D_1	D_2	h	h_2	n_1-d_1	D_3 (H_9)	D_4	D_5	h_3	h_1	n_2-d_2	H	H_1	H_2	H_3	H_4	H_5	H_6	H_7	H_8	H_9	d_3	d_4	M_0	
JBT_1	15	230	200	170	18	5	6-ø12	220	270	305	7	20	4-ø24	514	157	175	77	4	40	6	33	34	28	30	24	M24X3	50-100
JBT_2	15	230	200	170	18	5	6-ø12	250	300	335	7	20	4-ø24	517	150	175	77	5	40	6	44	32	26	39	32	M33X3.5	200
JBT_2-2#	18	260	230	200	18	5	6-ø14	250	300	335	7	20	4-ø24	530	134	209	93	5	40	6	44	32	26	39	32	M33X3.5	200
JBT_3-2#	18	260	230	200	20	5	6-ø14	295	350	392	7	23	4-ø24	560	164	209	93	5	45	6	47	34	28	39	32	M33X3.5	300-500
JBT_3	22	340	310	270	20	6	6-ø14	295	350	392	7	23	4-ø24	560	165	209	97	5	45	6	47	34	26	39	32	M33X3.5	300-500
JBT_4	22	340	310	270	20	6	6-ø14	345	400	442	7	24	4-ø24	635	203	215	97	5	50	8	53	44	36	50	41.5	M42X4.5	1000-2000
JBT_5	22	340	310	270	22	6	6-ø14	390	450	498	7	25	4-ø24	680	193	239	97	5	55	8	58	45	37	60	51.5	M52X5	3000
JBT_5-4#	27	400	360	316	22	6	8-ø18	390	450	498	7	25	4-ø30	680	193	239	120	5	55	8	58	45	37	60	51.5	M52X5	3000
JBT_6	27	400	360	316	22	6	8-ø18	435	500	548	7	26	8-ø30	736	215	253	120	9	51	8	65	50	42	70	61.5	M64X6	5000
JBT_7	33	490	450	400	26	7	12-ø22	440	550	600	10	28	12-ø22	805	180	341	156	8	44	8	80	50	42	90	79	M80X6	
JBT_8	39	580	520	455	30	10	12-ø22	500	550	600	10	30	12-ø22	820	170	358	182	9	34	8	90	50	42	100	89	M90X6	
JBT_9	45	650	590	520	30	12	12-ø27	560	650	700	10	35	16-ø27	1100	326	455	199	10	50	10	100	50	42	110	99	M98X6	
JBT_{10}	55	880	800	680	38	12	12-ø37	720	810	880	10	40	20-ø27	1200	409	460	219	10	50	10	100	50	42	130	119	M118X6	

(四)HG5-251-69 标准反应罐配套摆线针轮减速机传动机架尺寸

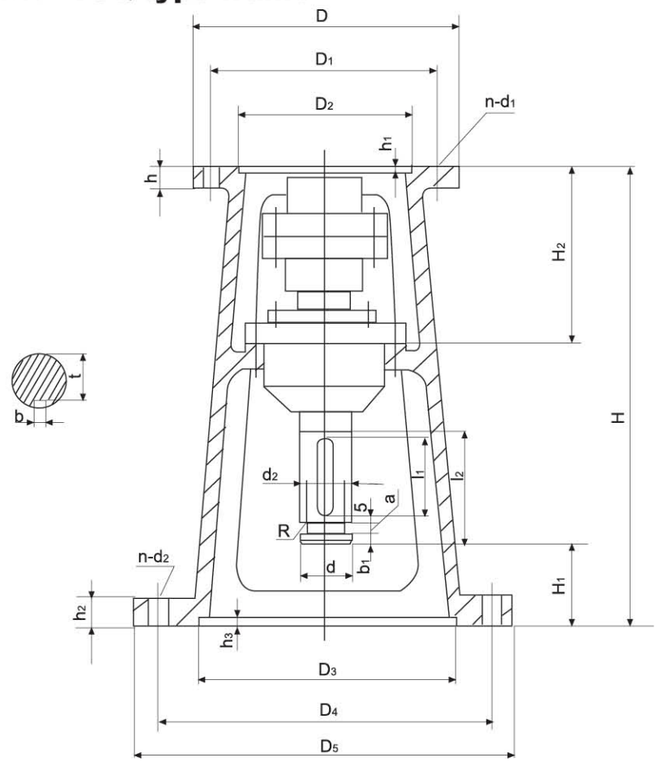
Frame size of cycloidal pin wheel decelerator for HG5-251-69 standard reactor



机架型号 frame work type	反应罐（立升）reactor (l)	减速机 reducer (BLY)	反应罐连接处 reactor connection		H	H_2	H_1	H_3	搅拌轴连接处 stiring shaft connection			减速机连接处 reducer connection			
			D	n-d					M	L	d	p	N-M	D_2	Q
TB_1	50 100	15	220	3-ø14	514	110	268	175	M33X2	50	45	170	6-ø12	35	200
TB_2	200	15	280	3-ø14	514	140	268	175	M42X3	60	55	170	6-ø12	35	200
TB_3	300	18	300	3-ø18	530	190	264	209	M42X3	65	50	200	6-ø14	45	230
TB_3	500	18	300	3-ø18	530	190	264	209	M48X3	65	55	200	6-ø14	45	230
TB_4	1000	22	400	4-ø26	675	200	356	215	M60X4	80	70	270	6-ø14	55	310
TB_4	1500	22	400	4-ø26	675	200	356	215	M65X4	85	75	270	6-ø14	55	310
TB_4	2000	22	400	4-ø26	675	200	356	215	M78X4	90	89	270	6-ø14	55	310
TB_5	3000	22	400	4-ø26	675	200	356	215	M78X4	90	89	270	6-ø14	55	310
TB_5	3000	27	400	4-ø26	720	200	398	253	M78X4	90	89	316	8-ø18	70	360
TB_6	5000	27	500	4-ø30	736	200	393	253	M78X4	100	89	316	8-ø18	70	360

TAILONG MACHINERY

(五)TJQ 型机架 TJQ type frame



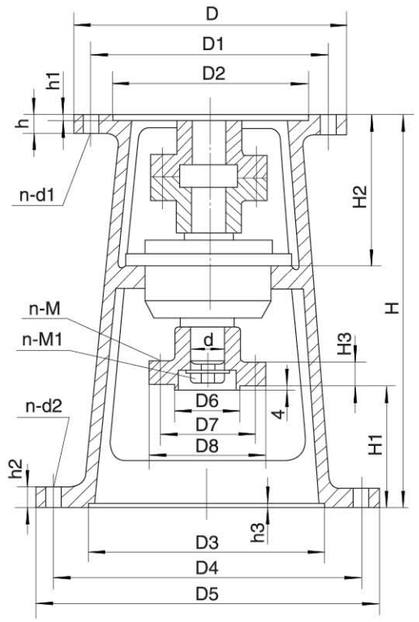
TJQ型机架 TJQ type frame

TJQ 型机架下装 JQ、JJQ 型夹壳式联轴器主要参数及尺寸

Primary parameter and dimension of installed down JQ, JJQ type split coupling for TJQ type frame

机架型号 frame type	减速机型号 reducer type	输出轴d output shaft (h7)	输入端接口 inlet edge						输出端接口 outlet edge						H	H_1	H_2	l_1	l_2	a (H_{11})	b_1	d_2 (h_{11})	b	t
			D	D_1	D_2	h	h_1	n-d_1	D_3	D_4	D_5	h_2	h_3	n-d_2										
TJQ2	B15	35	230	200	170	18	5	6-12	250	300	335	20	7	4-24	517	173	175	55	85	5	4	30	10	30
TJQ3	B18	45	260	230	200	20	6	6-14	295	350	392	23	7	4-24	560	196	209	70	100	6	5	37	14	39.5
TJQ4	B22	55	340	310	270	20	6	6-14	345	400	442	24	7	4-24	635	246	215	70	100	6	5	47	16	49
TJQ5	B22	55	340	310	270	20	6	6-14	390	450	498	25	7	4-30	680	271	250	70	100	6	5	47	16	49
TJQ6	B27	70	400	360	316	22	6	8-18	435	500	548	26	7	8-30	736	253	253	100	130	8	6	60	20	62.5
TJQ7	B33	90	490	450	400	25	7	12-22	440	550	600	28	10	12-22	805	195	341	140	170	10	8	80	25	81
TJQ8	B39	100	580	520	455	26	10	12-22	500	550	600	30	10	12-22	820	186	358	140	170	10	8	90	28	90
TJQ9	B45	110	650	590	520	30	12	12-27	560	650	700	35	10	16-27	1100	326	455	160	200	12	10	100	28	100
TJQ10	B55	130	880	800	680	38	12	12-37	720	810	880	40	10	20-27	1200	384	460	180	225	14	12	118	32	119

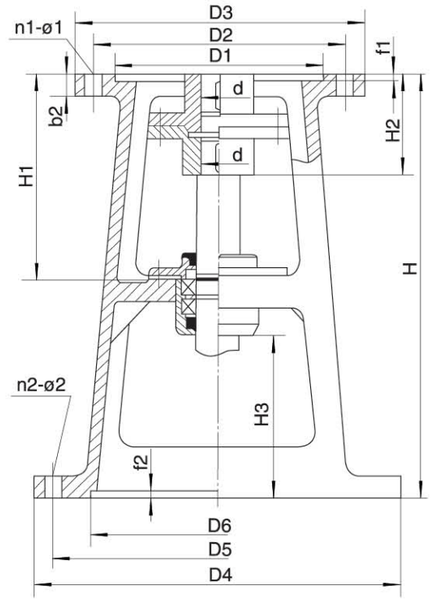
(六)TJ 型机架下装 JA 型联轴器主要参数及尺寸
JA connector para meters and size of TJ frame

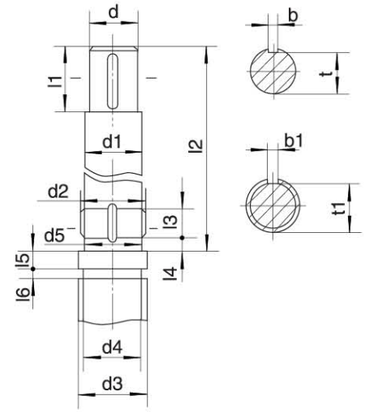


机架型号 frame wrok type	减速机 decelerator (BLY)	输入端接口 Inlet edge						输出端接口 Outlet edge						H	H_1	H_2	H_3	d	D_6	D_7	D_8	n-M	n-M_1
		D	D_1	D_2	h	h_1	n-d_1	D_3	D_4	D_5	h_2	h_3	n-d_2										
TJ1	15	230	200	170	20	6	6-ø12	220	270	305	22	7	4-ø24	514	201	175	15	35	60	115	140	4-M12	1-M10
TJ2	15	230	200	170	18	5	6-ø12	250	300	335	20	7	4-ø24	517	197	175	15	35	60	115	140	4-M12	1-M10
TJ2	18	260	230	200	22	6	6-ø14	250	300	335	25	7	4-ø25	530	176	209	20	45	85	120	160	4-M12	1-M12
TJ3	18	260	230	200	20	6	6-ø14	295	350	392	23	7	4-ø24	560	206	209	20	45	85	120	160	4-M12	1-M12
TJ3	22	340	310	270	20	6	6-ø14	295	350	392	23	7	4-ø24	560	191	210	20	45	85	120	160	4-M12	1-M12
TJ4	22	340	310	270	20	6	6-ø14	345	400	442	23	7	4-ø24	635	245	215	22	55	100	150	180	4-M16	1-M16
TJ5	22	340	310	270	22	6	6-ø14	390	450	498	26	7	4-ø24	680	250	250	22	55	100	150	180	4-M16	1-M16
TJ6	27	400	360	316	22	6	8-ø18	435	500	548	24	7	8-ø30	736	276	253	28	70	110	165	200	4-M16	1-M16
TJ7	33	490	450	400	25	7	12-ø22	440	550	600	26	10	12-ø22	805	261	341	36	90	150	190	230	4-M16	2-M12
TJ8	39	580	520	455	26	10	12-ø22	500	550	600	28	10	12-ø22	820	209	358	36	100	160	230	280	6-M16	2-M16
TJ9	45	650	590	520	30	12	12-ø27	560	650	700	35	10	16-ø27	1100	355	455	36	110	170	245	290	8-M18	3-M16
TJ10	55	880	800	680	38	12	12-ø37	720	810	880	40	12	20-ø27	1200	378	460	38	130	180	275	330	8-M18	3-M16

TAILONG MACHINERY

(七)JXLD 型机架尺寸 Frame size of JXLD type decelerator





机架型号 frame work type	减速机输入端接口 reducer inlet edge						输出端接口 outlet edge						Ⅰ型 type			Ⅱ型 type		
	$D_1(H_8)$	D_2	D_3	f_1	b_2	n_1-ø$_1$	D_4	D_5	$D_6(H_8)$	f_2	b_3	n_2-ø$_2$	H	H_3	重量kg weight	H	H_3	重量kg weight
JXLD3-35	170	200	230	6	15	6-ø12	410	360	300	6	18	6-ø18	520	163	55	610	253	60
JXLD4-45	200	230	260	6	15	6-ø12	450	400	335	6	18	6-ø18	570	168	80	670	268	86
JXLD5-55	270	310	340	6	20	6-ø15	500	450	385	6	22	8-ø18	650	163	110	750	263	120
JXLD6-65	316	360	400	6	22	8-ø19	530	480	410	8	24	12-ø18	660	192	130	760	292	145
JXLD7-80	345	390	430	8	22	8-ø19	565	510	430	8	24	12-ø22	740	201	160	860	321	178
JXLD8-90	400	450	490	8	25	12-ø24	565	510	430	8	28	12-ø22	800	206	208	920	326	230
JXLD9-100	455	520	580	10	28	12-ø24	580	520	455	10	30	12-ø22	810	210	235	920	320	262
JXLD10-110	520	590	650	12	30	12-ø28	650	590	520	12	30	12-ø22	830	218	300	950	338	345
JXLD11-130	680	800	880	12	30	12-ø37	880	800	680	12	35	12-ø37	850	184	480	970	304	538
JXLD12-180	900	1020	1160	12	40	8-ø39	1160	1020	900	12	46	12-ø39	1200	235	857	1350	385	913

机架型号 frame work type	搅拌轴轴端尺寸 stiring shaft edge size																	
	d	d_1	d_2	$d_3(k_6)$	d_4	d_5	l_1	l_2	l_3	l_4	l_5	l_6	b	t	b_1	t_1	H_1	H_2
JXLD3-35	35k6	40	M45X1.5	45	42.5 $^{0}_{-0.25}$	42.8	60	215	12	3	18	1.7 $^{+0.14}_{0}$	10	30	6	41	294	139
JXLD4-45	45k6	50	M55X2	55	52 $^{0}_{-0.30}$	52	75	235	14	4	19	2.2 $^{+0.14}_{0}$	14	39.5	8	51	331	171
JXLD5-55	55m6	60	M65X2	65	62 $^{0}_{-0.30}$	62	75	302	14	4	21	2.7 $^{+0.14}_{0}$	16	49	8	61	405	178
JXLD6-65	65m6	70	M75X2	75	72 $^{0}_{-0.30}$	72	90	277	16	4	23	2.7 $^{+0.14}_{0}$	18	58	10	70	384	197
JXLD7-80	80m6	85	M90X2	90	86.5 $^{0}_{-0.35}$	87	105	316	24	4	28	2.7 $^{+0.14}_{0}$	22	71	12	84	442	231
JXLD8-90	90m6	95	M100X2	100	96.5 $^{0}_{-0.35}$	97	125	320	24	4	32	2.7 $^{+0.14}_{0}$	25	81	12	94	486	291
JXLD9-100	100m6	105	M110X2	110	106 $^{0}_{-0.54}$	107	125	308	24	4	36	3.2 $^{+0.14}_{0}$	28	90	14	104	488	305
JXLD10-110	110m6	115	M120X2	120	116 $^{0}_{-0.54}$	117	155	267	28	4	38	3.2 $^{+0.14}_{0}$	28	100	14	114	488	376
JXLD11-130	130m6	135	M140X2	140	136 $^{0}_{-0.63}$	137	155	296	30	4	40	3.2 $^{+0.14}_{0}$	32	119	14	132	530	389
JXLD12-180	180m6	185	M190X3	190	185 $^{0}_{-0.60}$	187	310	412	38	4	55	3.2 $^{+0.16}_{0}$	45	165	16	179	792	690

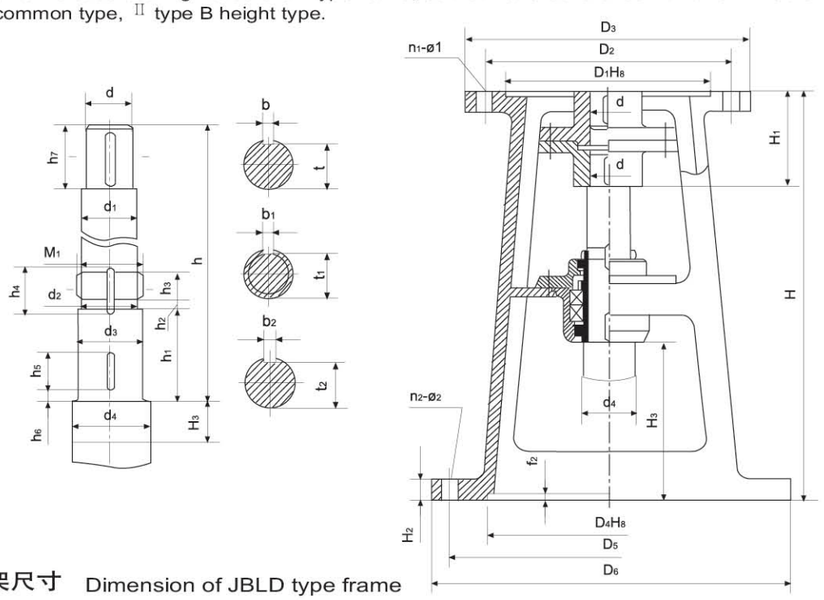
注： 本机架适用于与 XLD 型摆线针轮行星减速机联接， Ⅰ 为普通型， Ⅱ 为增高型。

Note: The frame is used to connect with XLD type cycloidal pin wheel decelerator. Ⅰ is common type, Ⅱ is height type.

(八)JBLD 型机架尺寸 Dimension of JBLD type frame

该支架适用于与 BLY 型摆线减速机连接，为使搅拌轴与轴承室装配、维修方便，对 JB 型机架的轴承室结构进行改进设计，将轴承室加大，使之与较粗的搅拌轴相一致。其中Ⅰ型为普通型，Ⅱ型为增高型。

The frame is used to connect with BLY type cyclodial reducer, for be prone to install and service for mixed shaft and bearing house, we increase bearing house of JB type frame, so that make coherence with thick mixed shaft, there into type Ⅰ is common type, Ⅱ type B height type.



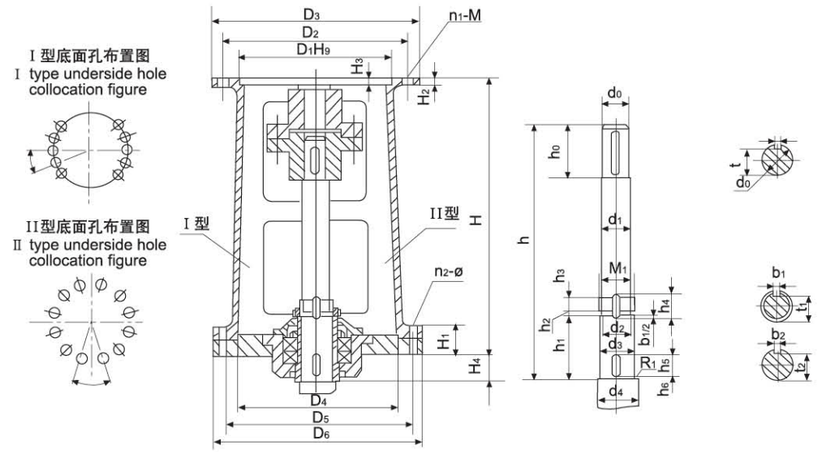
JBLD 型机架尺寸 Dimension of JBLD type frame

机架型号 frame type	减速机型号 reducer type	输入端接口 inlet edge				输出端接口 outlet edge						Ⅰ型 Ⅰ type			Ⅱ型 Ⅱ type		
		D_1 (H8)	D_2	D_3	n_1-M_1	D_4 (H8)	D_5	D_6	n_2-Ø2	H_1	H_2	f_2	H	H_3	重量kg weight	H	H_3	重量kg weight
JBLDJ1	B15	170	200	230	6-ø12	300	360	410	6-ø18	138	18	6	520	158	55	610	248	60
JBLDJ2	B18	200	230	260	6-ø14	335	400	450	6-ø18	182	18	6	570	167	84	670	267	90
JBLDJ3	B22	270	310	340	6-ø14	385	450	500	8-ø18	220	24	8	650	167	115	750	267	125
JBLDJ4	B27	316	360	400	8-ø18	410	480	530	12-ø18	257	24	8	660	161	138	760	262	158
JBLDJ5	B33	400	450	490	12-ø22	430	510	565	12-ø22	306	28	8	800	199	208	920	319	230
JBLDJ6	B39	455	520	580	12-ø22	455	520	580	12-ø22	332	30	10	810	203	235	920	313	262
JBLDJ7	B45	520	590	650	12-ø27	520	590	650	12-ø22	350	30	12	830	252	300	950	372	345
JBLDJ8	B55	680	800	880	12-ø37	680	800	880	12-ø37	400	45	12	860	200	480	980	320	538

机架型号 frame type	搅拌轴轴端尺寸 axes edge dimension of mixed axes																		配联轴器型号 coupling type
	d	d_1	M_1	d_2	d_3 (k6)	d_4	R_1	b	t	b_1	t_1	b_2	t_2	h_1	h_2	h_3	h_4	h_5	h_6	h_7	h	
JBLDJ1	35	42	M45X1.5	42.8	45	50	1	12	35	6	41	6	41.5	113	3	15	22	40	3	58	282	GT35X65
JBLDJ2	45	57	M60X2	57	60	65	1	14	44.5	8	56	8	56	118	4	15	28	40	3	74	295	GT45X87
JBLDJ3	55	71	M75X2	72	75	80	1	16	58	10	69	10	70	143	4	18	32	50	3	92	355	GT55X102
JBLDJ4	70	81	M85X2	82	85	90	1.5	22	71	10	79	10	80	163	4	18	32	60	3	115	357	GT70X125
JBLDJ5	90	91	M95X2	92	95	110	1.5	25	81	12	89	12	90	168	4	20	36	60	3	145	440	GT90X150
JBLDJ6	100	112	M115X2	112	115	125	2	28	90	14	109	14	109.5	178	4	24	42	60	3	165	425	GT100X170
JBLDJ7	110	112	M115X2	112	115	125	2	28	100	14	109	14	109.5	178	4	24	42	60	3	165	393	GT110X170
JBLDJ8	130	135	M140X2	137	140	150	2	32	119	14	132	14	134.5	208	4	28	46	70	3	180	440	GT130X210

TAILONG MACHINERY

(九)DXJ 型机架 DXJ type frame



DXJ 型单支点机架主要参数及尺寸 Primary parameter and dimension of DXJ type single-support frame

机架代号 frame code		H	H_1	H_2	H_3	H_4	输入端接口 inlet edge				输出端接口 outlet edge				
							D_1	D_2	D_3	n_1-M	D_4	D_5	D_6	α °	n_2-Ø
DXJ30	A	470	40	15	4	45	140	160	190	4-M10	240	285	315	Ⅰ20	10-Ø 14
	B						200	230	260	6-M12				Ⅱ30	12-Ø 14
DXJ35	A	524	48	15	5	47	170	200	230	6-M10	260	320	360	Ⅰ20	10-Ø 14
														Ⅱ30	12-Ø 14
DXJ40	A	524	48	15	4	47	200	230	260	6-M12	260	320	360	Ⅰ20	10-Ø 14
														Ⅱ30	12-Ø 14
DXJ45	A	524	48	15	5	49	200	230	260	6-M12	260	320	360	Ⅰ20	10-Ø 14
														Ⅱ30	12-Ø 14
DXJ55	A	570	60	20	6	47	270	310	340	6-M12	325	400	435	30	12-Ø 14
DXJ65	A	634	68	20	6	58	316	360	400	8-M16	350	420	460	30	12-Ø 18
DXJ70	A	634	68	20	6	58	316	360	400	8-M16	350	420	460	30	12-Ø 18
DXJ80	A	678	76	25	6	70	345	390	430	8-M16	380	455	495	30	12-Ø 18
DXJ90	A	700	80	25	7	72	400	450	490	12-M20	430	510	555	30	12-Ø 23
DXJ100	A	740	80	25	9	76	455	520	580	12-M20	480	560	600	22.5	16-Ø 23
DXJ110	A	840	80	30	11	76	520	590	650	12-M20	560	650	700	22.5	16-Ø 27
DXJ120	A	840	80	30	11	76	520	590	650	12-M24	560	650	700	22.5	16-Ø 27
DXJ130	A	950	94	30	11	85	680	800	880	12-M30	720	810	880	18	20-Ø 27
DXJ140	A	950	94	30	11	85	680	800	880	12-M30	720	810	880	18	20-Ø 27
DXJ150	A	950	94	35	14	85	760	920	1020	12-M30	840	940	1020	22.5	16-Ø 33
DXJ160	A	950	100	35	14	95	760	920	1020	12-M30	840	940	1020	22.5	16-Ø 33
DXJ180	A	1050	100	40	14	115	900	1020	1160	8-M36	970	1080	1160	18	20-Ø 33

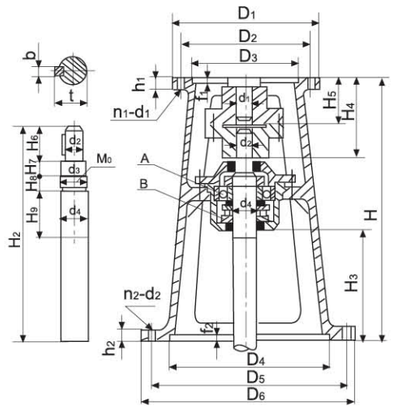
机架代号 frame code		搅拌轴轴端尺寸 axes edge dimension of mixed axes																				重量(kg) weight
		h(A/B)	h_0	h_1	h_2	h_3	h_4	h_5	h_6	d_0	d_1	d_2	M_1	d_3(h9)	d_4	b	t	b_1	t_1	b_2	t_2	
DXJ30	A/B	435/443	53	103	3	13	22	30	3	30	32	32.8	M35x1.5	35	40	8	26	6	31	6	31.5	48
DXJ35	A	490	53	113	3	15	24	40	3	35	42	42.8	M45x1.5	45	50	10	30	6	41	6	41.5	62
DXJ40	A/B	479	69	113	3	15	24	40	3	40	42	42.8	M45x1.5	45	50	12	35	6	41	6	41.5	62
DXJ45	A	465	69	113	3	15	28	40	3	45	47	47.8	M50x1.5	50	65	14	39.5	8	46	8	46	67
DXJ55	A/B	489	80	118	4	15	28	40	3	55	57	57	M60x2	60	65	16	49	8	56	8	56	107
DXJ65	A	530	87	143	4	18	32	50	3	65	71	72	M75x2	75	80	18	58	10	69	10	70	150
DXJ70	A/B	536	87	143	4	18	32	50	3	70	71	72	M75x2	75	80	20	62.5	10	69	10	70	150
DXJ80	A/B	532	91	163	4	18	32	60	3	80	81	82	M85x2	85	90	22	71	10	79	10	80	213
DXJ90	A	537	125	168	4	20	36	60	3	90	91	92	M95x2	95	110	25	81	12	89	12	90	276
DXJ100	A/B	570	134	178	4	24	42	60	3	100	111	112	M115x2	115	125	28	90	14	109	14	109. 5	326
DXJ110	A	619	155	178	4	24	42	60	3	110	112	112	M115x2	115	125	28	100	14	109	14	109. 5	505
DXJ120	A	637	155	178	4	24	42	60	3	120	122	122	M125x2	125	140	32	109	14	119	14	119. 5	510
DXJ130	A/B	770	197	208	4	28	46	70	3	130	135	137	M140x2	140	150	32	119	14	132	14	134. 5	689
DXJ140	A	761	197	208	4	32	46	70	3	140	145	147	M150x2	150	160	36	128	16	142	16	144	696
DXJ150	A/B	根据减	210	208	4	32	46	70	3	150	155	156	M160x3	160	170	36	138	16	152	16	154	708
DXJ160	A/B	速机型	210	227	4	32	50	80	3	160	165	166	M170x3	170	180	40	147	16	162	16	164	930
DXJ180	A/B	号而定	290	242	4	36	56	90	3	180	185	186	M190x3	190	200	45	165	18	180	18	182	1240

注：图示所注“h”仅与本样本 BLY 系列减速机相配，如选用其他型号减速机，“h”需另行计算。

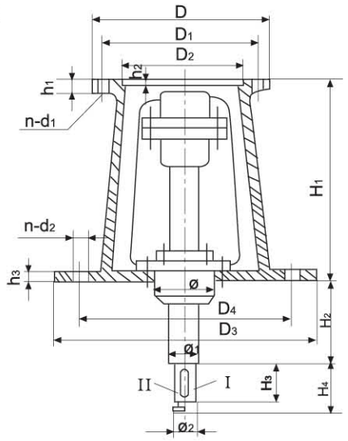
Note: “h” noted in the figure is used only for BLY series reducer of this catalogue, “h” must be calculate aside if selecting other type reducers.

(十)J 型单支点机架、DXJA 型机架

J type single-support frame, DXJA type frame



J型单支点机架 J type single-support frame



DXJA机架 DXJA type frame

J 型单支点机架主要参数与尺寸 Primary parameter and dimension of J type single-support frame

机架型号 frame type	减速机型号 reducer type	D_1	D_2	$D_3(H_8)$	$D_4(H9)$	D_5	D_6	n_1-d_1	n_2-d_2	H	H_3	H_4	H_5	H_6	H_7	H_8	H_9	H_2
J2	B18	260	230	200	295	350	392	6-14	4-24	568	301	159	89	74	20	17	70	483
J3	B22	340	310	270	345	400	442	6-14	4-24	675	358	178	101	81	37	20	82	578
J4-A	B27	400	360	316	350	420	460	8-18	6-20	720	384	211	123	92	19	22	83	601
J4	B27	400	360	316	435	500	548	8-18	8-30	736	384	215	123	92	25	28	120	613
J5	B33	490	450	400	440	550	600	12-22	12-22	835	363	280	150	130	44	40	142	685
J6	B39	580	520	455	500	550	600	12-22	12-22	928	380	350	187	163	46	40	156	739

机架型号 frame type	减速机型号 reducer type	d_1	d_2	d_3	M0	d_4 (k6)	b	t	f1	f2	h1	h2
J2	B18	45	45	43	M50x2	50	14	48.5	6	5	20	23
J3	B22	55	55	63	M65x2	65	16	59	6	5	20	24
J4-A	B27	70	65	68	M70x2	70	20	74.5	7	5	22	24
J4	B27	70	70	72	M75x2	75	20	74.5	7	5	22	26
J5	B33	90	90	95	M100x2	100	25	95	8	7	26	28
J6	B39	100	100	105	M100x2	110	28	106	10	7	28	30

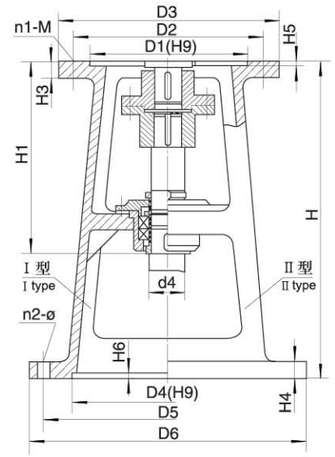
DXJA型单支点机架主要参数与尺寸 Primary parameter and dimension of DXJA type single-support frame

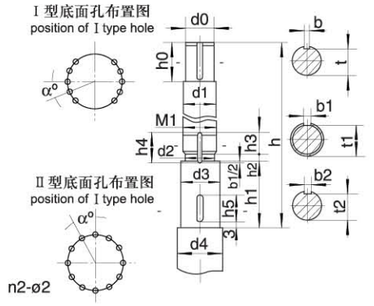
机架型号 frame type	减速机型号 reducer type	输入端接口 inlet edge						输出端接口outlet edge				∅	$∅_1$	$∅_2$	H_1	H_2	H_3	H_4	A
		D	D_1	D_2(H9)	h_1	h_2	n-d_1	D_3	D_4	n-d_2	h_3								
DXJA0	B12	190	160	140	16	5	4-12	250	210	3-12	16	105	45	30	260	200	34	70	38
DXJA1	B15	230	200	170	16	5	6-12	290	260	4-12	16	105	45	35	310	200	47	85	38
DXJA2	B18	260	230	200	20	6	6-14	345	300	3-18	20	116	50	45	350	200	57	100	39
DXJA3	B22	340	310	270	22	6	6-14	440	400	4-20	22	134	60	55	440	250	77	100	43
DXJA4	B27	400	360	316	22	7	8-18	440	400	6-20	22	160	75	70	521	250	87	130	46
DXJA5	B33	490	450	400	25	7	12-22	600	550	8-22	28	236	100	90	540	300	107	170	62
DXJA6	B39	580	520	455	28	10	12-22	600	560	12-22	30	250	110	100	624	350	130	170	
DXJA7	B45	650	590	520	30	12	12-27	700	650	12-22	30	275	120	110	724	400	142	200	
DXJA8	B55	880	800	680	30	12	12-37	880	810	20-27	37	310	140	130	818	450	202	225	

注：1. Ⅰ型为 JA 型联轴器联接 Ⅰ type is JA type coupling connection
2. Ⅱ型为夹壳式联轴器联接 Ⅱ type is split coupling connection
3. 如用户对输出轴长度有特殊要求，请在订货时说明 Please show in order if you have special request to output shaft length

TAILONG MACHINERY

(十一)DJ、LDJ 型机架尺寸 Frame size of DJ、LDJ type decelerator

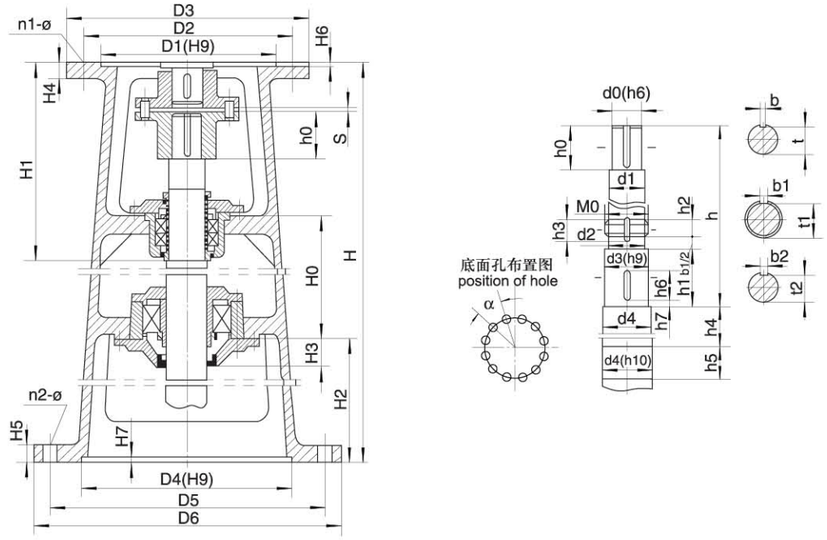




机架型号 frame work type	减速机型号 type	减速机输入端接口 reducer inlet edge				输出端接口 outlet edge					H_1	H_3	H_4	H_5	H_6
		D_1	D_2	D_3	n_1-M	D_4	D_5	D_6	a	n - ø					
DJ(LDJ)30 A/B	B12 B15	140 170	160 200	190 230	4-M10 6-M10	240	285	315	Ⅰ 20 Ⅱ 30	10-ø14 12-ø14	320	15	20	6	6
DJ(LDJ)35A	B15	170	200	230	6-M10	260	320	360	Ⅰ 20 Ⅱ 30	10-ø14 12-ø14	334	15	20	6	6
DJ(LDJ)40A	B18	200	230	260	6-M12	260	320	360	Ⅰ 20 Ⅱ 30	10-ø14 12-ø14	334	15	20	6	6
DJ(LDJ)45A	B18	200	230	260	6-M12	260	320	360	Ⅰ 20 Ⅱ 30	10-ø14 12-ø14	338	15	20	6	6
DJ(LDJ)55A	B22	270	310	340	6-M12	325	400	435	30	12-ø14	372	20	24	7	6
DJ(LDJ)65A	B27	316	360	400	8-M16	350	420	460	30	12-ø18	447	22	24	7	6
DJ(LDJ)70A	B27	316	360	400	8-M16	350	420	460	30	12-ø18	447	22	24	7	6
DJ(LDJ)80 A/B	B27 B33	316 400	360 450	400 490	8-M16 12-M20	380	455	495	30	12-ø18	495	22	28	7	8
DJ(LDJ)90A	B33	400	450	490	12-M20	430	510	555	30	12-ø23	519	25	28	7	8
DJ(LDJ)100A	B39	455	520	580	12-M20	480	560	600	22.5	16-ø23	535	25	28	10	10
DJ(LDJ)110A 120A	B45	520	590	650	12-M24	560	650	700	22.5	16-ø27	660	30	35	12	10
DJ(LDJ)130A 140A	B55	680	800	880	12-M30	720	810	880	18	20-ø27	790	38	40	12	12
DJ(LDJ)150	B65	760	920	1000	12-M30	840	940	1020	22.5	16-ø33	790	45	45	14	12
DJ(LDJ)160	B65	760	920	1000	12-M30	840	940	1020	22.5	16-ø33	810	50	50	14	12
DJ(LDJ)180	X12	900	1020	1160	8-M36	970	1080	1160	18	20-ø33	910	50	50	14	12

机架型号 frame work type	搅拌轴轴端尺寸 stiring shaft edge size																		DJ型type		LDJ型type	
	h	h_0	h_1	h_2	h_3	h_4	h_5	$d_0(h_6)$	d_1	d_2	M	$d_3(h_9)$	d_4	b	t	b_1	t_1	b_2	t_2	H	重量 weight	H	重量 weight
DJ(LDJ)30 A/B	258 254	58	103	3	13	22	30	30	32	32.8	M35X1.5	35	40	8	26	6	31	6	31.5	550	46	700	54
DJ(LDJ)35A	260	58	113	3	15	24	40	35	42	42.8	M45X1.5	45	50	10	30	6	41	6	41.5	600	79	750	89
DJ(LDJ)40A	241	74	113	3	15	24	40	40	42	42.8	M45X1.5	45	50	12	35	6	41	6	41.5	600	79	750	89
DJ(LDJ)45A	245	74	113	3	15	28	40	45	47	47.8	M50X1.5	50	65	14	39.5	8	46	8	46	600	84	750	94
DJ(LDJ)55A	280	81	118	4	15	28	40	55	57	57	M60X2	60	65	16	49	8	56	8	56	660	151	760	157
DJ(LDJ)65A	327	92	143	4	18	32	50	65	71	72	M75X2	75	80	18	58	10	69	10	70	720	171	870	181
DJ(LDJ)70A	327	92	143	4	18	32	50	70	72	72	M75X2	75	80	20	62.5	10	69	10	70	720	171	870	181
DJ(LDJ)80 A/B	374 349	96	163	4	18	32	60	80	82	82	M85X2	85	90	22	71	10	79	10	80	785	209	935	219
DJ(LDJ)90A	373	129	168	4	20	36	60	90	92	92	M95X2	95	110	25	81	12	89	12	90	805	266	955	276
DJ(LDJ)100A	354	126	178	4	24	42	60	100	112	112	M115X2	115	125	28	90	14	109	14	109.5	820	347	1020	362
DJ(LDJ)110A	462	159	178	4	24	42	60	110	112	112	M115X2	115	125	28	100	14	109	14	109.5	1100	533	1150	537
DJ(LDJ)120A	462	159	178	4	24	42	60	120	122	122	M125X2	125	140	32	109	14	119	14	119.5	1100	553	1150	557
DJ(LDJ)130A	577	202	208	4	28	46	70	130	135	137	M140X2	140	150	32	119	14	132	14	134.5	1200	723	1400	754
DJ(LDJ)140A	577	202	208	4	28	46	70	140	145	147	M150X2	150	160	36	128	16	142	16	144	1200	743	1400	774
DJ(LDJ)150	525	210	208	4	32	46	70	150	155	156	M160X2	160	170	36	138	16	152	16	154	1200	765	1400	798
DJ(LDJ)160	545	210	227	4	32	50	80	160	165	166	M170X2	170	180	40	147	16	162	16	164	1200	780	1400	820
DJ(LDJ)180	530	235	242	4	36	56	90	180	185	186	M190X2	190	200	45	165	18	180	18	182	1280	887	1400	933

(十二) SJ、LSJ 型机架尺寸 Frame size of SJ、LSJ type decelerator



机架型号 frame work type	减速机型号 type	减速机输入端接口 reducer inlet edge				输出端接口 outlet edge					s	H_0	H_1	H_3	H_4	H_5	H_6	H_7	搅拌轴轴端尺寸 stiring shaft edge size		
		D_1	D_2	D_3	n_1-ø	D_4	D_5	D_6	α°	n_2-ø									$d_0(h_1)$	d_1	d_2
SJ(LSJ)35	B15	170	200	230	6-M10	260	320	360	30	12-ø14	2	388	335	43	18	22	18	6	35	42	42.8
SJ(LSJ)45	B18	200	230	260	6-M12	260	320	360	30	12-ø14	2	388	338	56	18	22	18	6	45	47	47.8
SJ(LSJ)55A	B22	270	310	340	6-M12	325	400	435	30	12-ø14	2	425	402	58	20	24	6	6	55	57	57
SJ(LSJ)65A	B27	316	360	400	8-M16	350	420	460	30	12-ø18	3	428	487	58	22	24	6	6	65	72	72
SJ(LSJ)70A	B27	316	360	400	8-M16	350	420	460	30	12-ø18	3	428	487	58	22	24	6	6	70	72	72
SJ(LSJ)80 A/B	B27 B33	316 400	360 450	400 490	8-M16 12-M20	380	455	495	30	12-ø23	3	428	545	60	25	28	7	8	80	81	82
SJ(LSJ)90A	B33	400	450	490	12-M20	430	510	555	30	12-ø23	3	567	569	69	25	35	7	8	90	91	92
SJ(LSJ)100A	B39	455	520	580	12-M20	480	560	600	22.5	16-ø23	3	563	685	78	30	40	10	10	100	111	112
SJ(LSJ)110A	B45	520	590	650	12-M24	560	650	700	22.5	16-ø27	4	557	685	78	36	42	11	10	110	111	112
SJ(LSJ)120A	B45	520	590	650	12-M24	560	650	700	22.5	16-ø27	4	557	685	84	36	42	11	10	120	122	122
SJ(LSJ)130A	B55	680	800	880	12-M30	720	810	880	18	20-ø27	4	596	761	81	40	43	11	10	130	135	137
SJ(LSJ)140A	B55	680	800	880	12-M30	720	810	880	18	20-ø27	4	596	761	90	40	43	11	10	140	145	147
SJ(LSJ)150A	B65	760	920	1000	12-M30	840	940	1020	22.5	16-ø33	4	650	761	66	45	45	14	10	150	155	156
SJ(LSJ)160A	B65	760	920	1000	12-M30	840	940	1020	22.5	16-ø33	4	650	780	71	50	50	14	12	160	165	166
SJ(LSJ)180	X12	900	1020	1160	8-M36	970	1080	1160	18	20-ø33	4	650	910	71	50	50	14	12	180	185	186

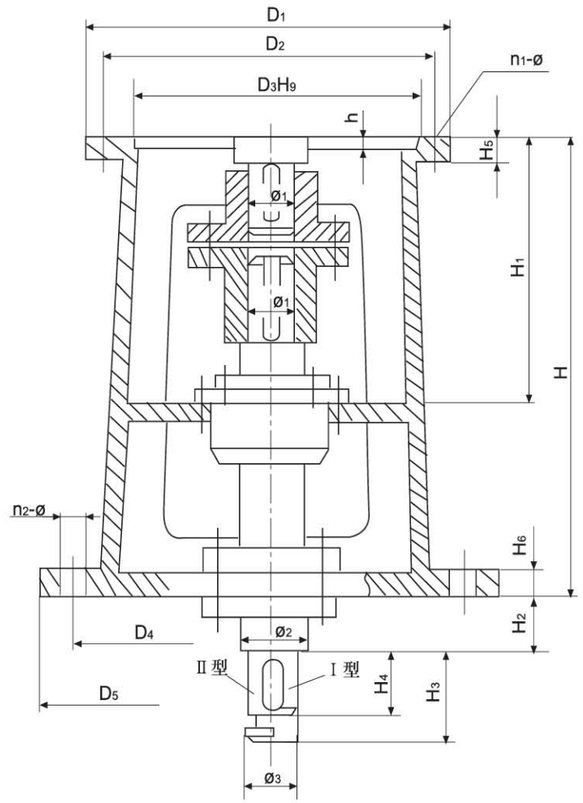
机架型号 frame work type	搅拌轴轴端尺寸 stiring shaft edge size																	SJ型 type			LSJ型 type		
	d_3	d_4	h	h_0	h_1	h_2	h_3	h_4	h_5	h_6	h_7	M_0	t	b	t_1	b_1	t_2	b_2	H	H_2	重量kg weight	H	H_2	重量kg weight
SJ(LSJ)35	45	50	261	58	113	15	24	291	85	40	3	M45X1.5	30	10	41	6	41.5	8	970	316	130	1120	466	150
SJ(LSJ)45	50	65	245	74	113	15	28	288	100	40	3	M50X1.5	39.5	14	46	8	46	8	970	316	150	1120	466	170
SJ(LSJ)55A	60	65	303	80	118	15	24	296	130	40	3	M60X2	49	16	56	8	56	8	1070	312	170	1220	462	186
SJ(LSJ)65A	75	80	370	95	143	18	32	284	135	50	3	M75X2	58	18	69	10	70	10	1140	307	261	1290	457	277
SJ(LSJ)70A	75	80	370	95	143	18	32	284	135	50	3	M75X2	62.5	20	69	10	70	10	1140	307	261	1290	457	277
SJ(LSJ)80 A/B	85	90	428 402	95	163	18	32	260	145	60	3	M85X2	71	22	79	10	80	10	1230	354	372	1380	504	388
SJ(LSJ)90A	95	110	426	115	168	20	36	390	162	60	3	M95X2	81	25	89	12	90	12	1400	363	427	1550	513	447
SJ(LSJ)100A	115	125	500	135	178	24	42	370	182	60	3	M115X2	91	28	109	14	109.5	14	1510	367	515	1710	567	542
SJ(LSJ)110A	115	125	497	145	178	24	42	366	182	60	3	M115X2	100	28	109	14	109.5	14	1510	373	621	1710	573	642
SJ(LSJ)120A	125	140	497	145	178	24	42	354	192	60	3	M125X2	109	32	119	14	119.5	14	1510	373	641	1710	573	662
SJ(LSJ)130A	140	150	531	205	208	28	46	364	205	70	3	M140X2	119	32	132	14	134.5	14	1610	374	994	1810	574	1021
SJ(LSJ)140A	150	160	531	205	208	28	46	370	205	70	3	M150X2	128	36	142	16	144	16	1610	374	1020	1810	574	1047
SJ(LSJ)150	160	170	496	210	208	32	46	370	205	70	3	M160X3	138	36	152	16	154	16	1660	400	1050	1860	600	1110
SJ(LSJ)160	170	180	515	210	227	32	50	340	215	80	3	M170X3	147	40	162	16	164	16	1660	400	1060	1860	600	1120
SJ(LSJ)180	190	200	530	235	242	36	56	310	230	90	3	M190X3	165	45	180	18	182	18	1710	400	1220	1920	600	1260

TAILONG MACHINERY

(十三)ST 型双支点机架 ST type double-support frame

本系列机架适用于常压容器，双支点轴承，搅拌轴旋转平稳可靠与其它双支点相比，结构紧凑外形尺寸小，标定型号以减速机输出轴直径为主参数，上联轴器采用HL型弹性柱销联轴器，由我厂配套供应。

The series frame is used for normal press case, double-support bearing. Mixed shaft works smoothly and triedly, when it compare with other double-support frame, it has well-knitted structure, small shape dimension. Primary parameter of type is output shaft diameter. Up coupling is HL type spring cylinder pin coupling of our factory.



ST 型双支点机架技术参数及尺寸

Technical parameter and dimension of ST type double-support frame

机架型号 frame type	减速机 reducer type	D_1	D_2	D_3	n_1-□	D_4	D_5	n_2-□	□1	□2	□3	h	H	H_1	H_2	H_3	H_4	H_4	H_5	H_6
ST35	B1	230	200	170	6-12	300	335	4-18	35	45	35	5	517	175	200	85	47	47	18	20
ST45	B2	260	230	200	6-12	350	392	4-18	45	50	45	5	560	209	200	100	57	57	20	22
ST55	B3	340	310	270	6-13.5	400	442	4-20	55	60	55	6	635	215	250	100	77	77	20	24
ST70	B4	400	360	320 316	8-16	500	548	8-22	70	75	70	6	736	253	250	130	87	87	22	26
ST90	B5	490	450	400	12-18	550	600	12-22	90	100	90	7	805	341	300	170	107	107	26	28
ST100	B6	580	520	455 460	12-22	550	600	12-22	100	110	100	10	820	358	300	170	112	112	30	30
ST110	B7	650	590	520	12-22	650	700	16-27	110	120	110	12	1100	455	400	200	142	142	30	35
ST130	B8	880	800	680	12-37	810	880	20-27	130	140	130	12	1200	460	450	225	202	202	38	40

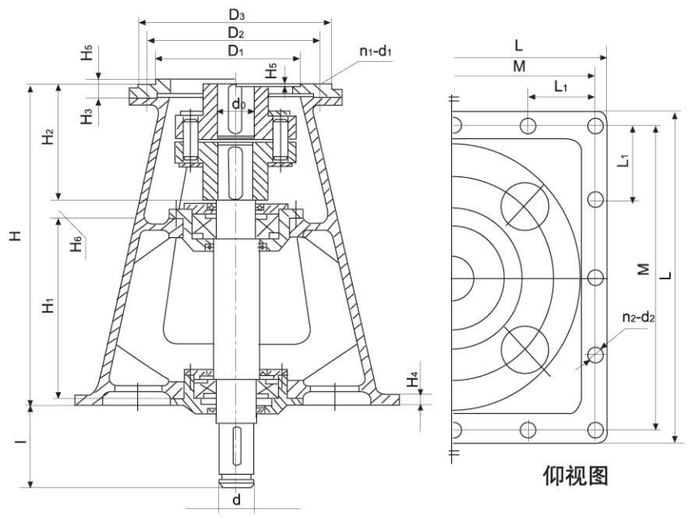
注：①Ⅰ型为 JA 型联轴器联接
②Ⅱ型为夹壳式联轴器联接
③如用户对输出轴有特殊要求请在订货时说明

Ⅰ type is JA type coupling connection
Ⅱ type is split coupling connection
Please show in order if you have special request to output shaft

(十四)FZ 型双支点方底板机架　FZ type double-support quadrate frame

本系列机架适用于常压容器，轴出端接口为方形底板，尺寸较大安装坚固、平稳。标定型号以减速机输出轴直径为主参数，A 表示与摆线针轮减速机相配，B 表示与齿轮减速机相配。机座供货时含短轴和联轴器。

The series frame is used for normal press case. Outlet edge is quadrate, big dimension firm and balanced installation. Primary parameter of type is output shaft diameter. A is for cycloidal pin wheel decelerator, B is for gear reducer supplied frame includes short shaft and coupling.



FZ 型双支点底板机架主要参数及尺寸　Primary parameter and dimension

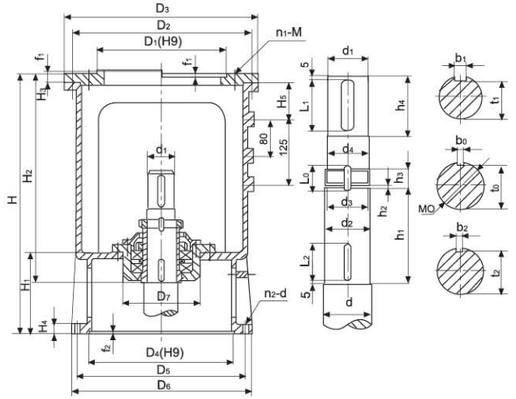
型号 type	通用尺寸 normal dimension						输入端接口 inlet edge					输出端接口 outlet edge											
	H_2	H_3	H_4	H_5	H_6	l	D_1	D_2	D_3	d_0	n_1-d_1	L	L_1	M	d	n_2-d_2	H	H_1	重量 weight	H	H_1	重量 weight
FZ25A	130	20	25	4	80	100	130	160	180	25	6-M8	400	170	340	30	8-□14	630	380	167 kg	800	550	198 kg
FZ30A				5			140	160	190	30	4-M10				35							
FZ30B				4			200	230	260		6-M12											
FZ35A	180			5	30		170	200	230	35	6-M10				40							
FZ40B				4			230	260	290	40	6-M12				45							
FZ45A	220	20	30	5	45	130	200	230	260	45	6-M10	585	175	525	50	12-□18	750	440	383	950	640	460
FZ50B				5			270	305	340	50	8-M16				55							
FZ55A				6			270	310	340	55	6-M10				60							
FZ55B				5				305			8-M16											
FZ65A	280	25	30	6	50	200	316	360	400	65	8-M12	800	240	720	70	12-□22	900	520	547	1100	720	656
FZ70A				6			316	360	400	70	8-M12				75							
FZ70B				5			320				8-M16											
FZ80A	340	30	40	6	95	250	345	390	430	80	8-M16	1060	250	1000	85	16-□22	1060	600	980	1360	900	1100
FZ80B				5			360	410	460		8-M20											
FZ90A	400			7	35		400	450	490	90	12-M16				95							
FZ95A				9			455	520	580	95	12-M20				100							
FZ100A				9			455	520	580	100					110							
FZ100B				5			470															
FZ110A	450	40	45	11	45	300	520	590	650	110	12-M20	1260	300	1200	120	16-□22	1200	668	1600	1600	1068	1896
FZ130A				11			680	800	880	130	12-M30				140							
FZ130B				9																		
FZ140				11			680	800	880	140	12-M30				150							
				9																		
FZ150	520	45	50	14	50	340						1470	350	1400	160	20-□27	1400	780	2000	1800	980	2395
				10																		
FZ160				14											180							
				10																		
FZ180	580	50	55	14	60	370						1670	400	1600	200	20-□33	1600	900	2500	2000	1100	2800
				10																		

TAILONG MACHINERY

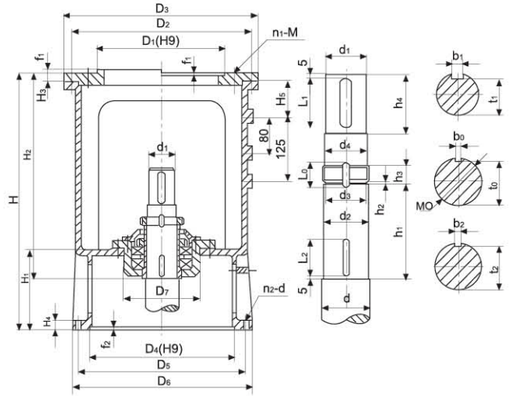
(十五)XD、XS 型机架（HG21566、21567-95）
XD, XS type frame (HG21566, 21567-95)

本系列机架是化工行业最新标准机架，是为搅拌传动装置（HG21563-95）配套的机架，XD 型为单支点机架，减速机出轴用 DF 型联轴器与搅拌轴联接。XS 型为双支点机架，减速机出轴用 HL 型联轴器联接，两支点间用 DF 型联轴器联接，机架分 A 型（轴封采用 2001、2003、2004、2006 型机械密封）和 B 型（轴封采用 2002、2005、2007 型机械密封或 506、516、606、616 型填料箱）。机架输出　端　接口可与第 I 部分（二）节所列的安装底盖及釜口法兰联接。本系列机架通用性强，由于选用 DF 型联轴器及安装底盖的搁轴装置，所以在不拆除减速机和机架的条件下，在机架的侧面窗口中就可以拆出带短节联轴器、轴承室及机械密封或填料箱。

This series frame which matched with the mixers device (HG21563-94) is the latest standard of chemical lines. The XD type is a single support frame and the extend shaft of decelerator is coupling with mixer. The XS type is a double supporter shelf and the decelerator's shaft end is coupling with HL type and the two support point is coupling with DF. The shelves have A type (the shaft is sealed in 2001, 2003, 2004, 2006 or 2008 type machinery sealing) and B type (the shaft is sealed in 2002, 2005, 2007 type machinery sealing or 506, 516, 606, 616 type add-material machine). The output frame junction point could be coupling mounted and the cauldron flange. This series frames have strong common used. We selected DF coupling and the shaft mounted low head. So we could take out the short coupling without removing reducers and shelf bearing housing.



XD 型单支点机架
公称直径为 200、250、300mm 的 A 型和 B 型
A and B type of XD type single-support frame
Nominal diameter is 200, 250, 300mm



XD 型单支点机架
公称直径为 400、500、700、900mm 的 A 型和 B 型
A and B type of XD type single-support frame
Nominal diameter is 400, 500, 700, 900mm

型号标注方法及示例： Method and example of earmark

例 1 XD3 - 60 A 40 C
例 2 XS4 - 90 B 65 Z

减速机类型（见后备注）	the reducer type
减速机输出轴径 d0	the output shaft diameter
机架型式（A 型、B 型）	frame type
传动轴轴径	the transmission shaft diameter
机架型号	the frame size

XD 型单支点机架主要参数及尺寸（公径直径 200、250、300）

Primary parameter and dimension of XD type single-support frame (nominal diameter 200, 250, 300)

机架型号 frame type	机架公称直径 nominal diameter	传动轴轴径 d shaft diameter	传动轴上端轴径 d_1 ascending shaft diameter	减速机输出轴径 d_0 output shaft diameter	输入端接口 inlet edge	输出端接口 outlet edge					外形及其它尺寸 shape and other dimension										轴承型号 bearing type	重量 weight	
						D_4 H_9	D_5	D_6	n_2-d	f_2	A 型			B 型			H_3	H_4	H_5	D_7		A 型	B 型
											H	H_1	H_2	H	H_1	H_2							
XD1	200	30	20	12	见后表 see next list	245	295	340	8-22	6	575	220	415	730	295	495	17	24	85	180	46209	57	61
				14																			
				18																			
		40	30	25									415			495					46209	57	61
				30																			
XD2	250	50	40	30		290	350	395	12-22	6	750	268	556	995	388	681	20	30	100	245	46214	106	116
				35																			
				40																			
		60	45	35									556			681					46214	107	117
				40																			
				45																			
				45																			
		70	55	50									565			690					46216	104	114
				55																			
XD3	300	60	45	35		320	400	445	12-22	6	795	279	595	1040	399	720	20	30	100	280	46217	153	164
				40																			
				45																			
		70	55	45									595			720					46216	150	161
				50																			
				55																			
		80	65	55									606			731					46216	149	160
				60																			
				65																			

TAILONG MACHINERY

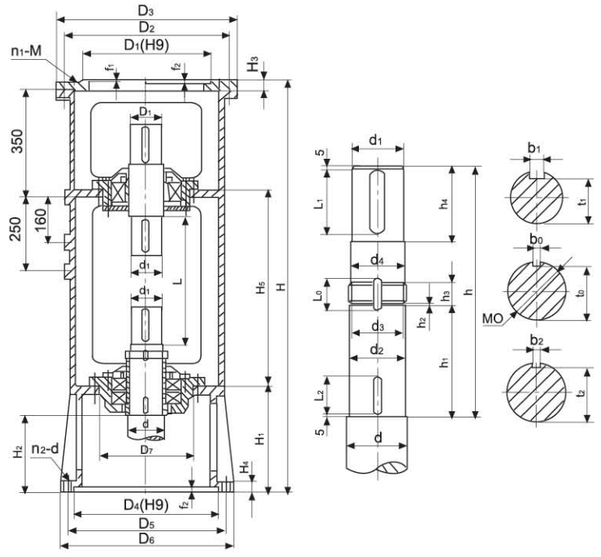
机架型号 frame type	机架公称直径 nominal diameter	传动轴轴径 d shaft diameter	传动轴上端轴径 d_1 ascending shaft diameter	传动轴轴端尺寸 shaft end dimension of drive shaft																
				M_0	$d_2(h_9)$	d_3	d_4	h_1	h_2	h_3	h_4	L_1	L_0	L_2	$b_2(N_9)$	b_0	$b_2(N_9)$	t_1	t_0	t_2
XD1	200	30	20k6	M25x1.5	25	22.8	22	97	3	15	48	40	23	30	6	5	5	16.5	21	22
		40	30k6	M35x1.5	35	32.8	32	97	3	15	48	40	24	30	8	6	6	26	31	31.5
XD2	250	50	40k6	M45x1.5	45	42.8	42	105	3	15	58	50	24	30	12	6	6	35	41	41.5
		60	45k6	M55x2	55	52	50	115	4	18	68	60	30	40	14	8	8	39.5	51	51
		70	55m6	M65x2	65	62	60	125	4	18	83	75	30	40	16	8	8	49	61	61
XD3	300	60	45k6	M55x2	55	52	50	125	4	18	68	60	30	40	14	8	8	39.5	51	51
		70	55m6	M65x2	65	62	60	125	4	18	83	75	30	40	16	8	8	49	61	61
		80	65m6	M75x2	75	72	70	139	4	18	98	90	32	50	18	10	10	58	69	70

XD 型单支点机架主要参数及尺寸（公称直径 400、500、700、900）

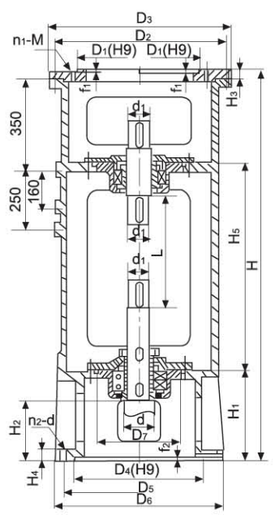
Primary parameter and dimension of XD type single-support frame (nominal diameter 400, 500, 700, 900)

机架型号 frame type	机架公称直径 nominal diameter	传动轴轴径 d shaft diameter	传动轴上端轴径 d_1 ascending shaft diameter	减速机输出轴径 d_0 output shaft diameter	输入端接口 inlet edge	输出端接口 outlet edge					外形及其它尺寸 shape and other dimension										轴承型号 bearing type	重量 weight	
						D_4 H_9	D_5	D_6	n_2-d	f_2	A 型			B 型			H_3	H_4	H_5	D_7		A 型	B 型
											H	H_1	H_2	H	H_1	H_2							
XD4	400	90	75	55		415	515	565	16-26	6	890	310	691	1105	420	806	25	35	100	310	46222	251	265
				65																			
				70																			
		100	85	65									691			806					46222	256	270
				70																			
				80																			
XD5	500	100	85	65		520	620	670	20-26	6	1075	369	821	1325	494	946	30	40	140	335	46224	409	435
				70																			
				80																			
		110	90	70									821			946					46224	405	431
				80																			
				90																			
		120	100	90									829			954					46228	401	427
				95																			
				100																			
		130	110	95									829			954					46228	395	421
				100																			
				110																			
XD6	700	120	100	90	见后表 see next list	670	780	830	28-26	6	1185	399	909	1415	514	1024	35	45	100	400	46228	729	766
				95																			
				100																			
		130	110	95									909			1024					46228	721	758
				100																			
				110																			
		140	120	100									927			1042					46232	729	766
				110																			
				120																			
		160	140	120									943			1058					46234	697	734
				130																			
				140																			
XD7	900	140	120	100		940	1070	1124	40-30	6.4	1320	440	1021	1560	570	1141	40	50	140	520	46232	985	874
				110																			
				120																			
		160	140	120									1037			1157					46234	1000	889
				130																			
				140																			
		180	160	140									1050			1170					46240	1010	899
				150																			
				160																			
		200	180	160									1070			1190					46244	1032	921
				170																			
				180																			

机架型号 frame type	机架公称直径 nominal diameter	传动轴轴径 d shaft diameter	传动轴上端轴径 d1 ascending shaft diameter	传动轴轴端尺寸 shaft end dimension of drive shaft															
				M_0	$d_2(h_g)$	d_3	d_4	h_1	h_2	h_3	h_4	L_1	L_0	L_2	$b_1(N_g)$	b_0	$b_2(Ng)$	t_1	t_0	t_2
XD4	400	90	75m6	M85x2	85	82	80	162	4	18	108	100	32	50	20	10	10	67.5	79	80
		100	85m6	M95x2	95	92	90	166	4	22	118	110	38	50	22	12	12	76	89	90
XD5	500	100	85m6	M95x2	95	92	90	166	4	22	118	110	38	50	22	12	12	76	89	90
		110	90m6	M100x2	100	97	95	166	4	22	118	110	38	50	25	12	12	81	94	95
		120	100m6	M110x2	110	107	105	177	4	22	128	120	40	60	28	14	14	90	104	104.5
		130	110m6	M120x2	120	117	115	177	4	26	138	130	44	70	28	14	14	100	114	114.5
XD6	700	120	100m6	M110x2	110	107	105	177	4	22	128	120	40	60	28	14	14	90	104	104.5
		130	110m6	M120x2	120	117	115	177	4	26	138	130	44	70	28	14	14	100	114	114.5
		140	120m6	M130x2	130	127	125	197	4	26	153	145	44	70	32	14	14	109	122	124.5
		160	140m6	M150x2	150	147	145	207	4	30	168	160	50	70	36	16	16	128	142	144
XD7	900	140	120m6	M130x2	130	127	125	197	4	26	153	145	44	70	32	14	14	109	122	124.5
		160	140m6	M150x2	150	147	145	207	4	30	168	160	50	70	36	16	16	128	142	144
		180	160m6	M170x3	170	166	165	227	4	32	198	190	52	80	40	16	16	157	162	164
		200	180m6	M190x3	190	186	185	242	4	32	230	230	54	90	45	18	18	175	180	182



XS 型双支点机架
公称直径为 300mm 的 A 型和 B 型
XS type double-support frame
A and B type of 300mm nominal diameter



XS 型双支点机架
公称直径为 400、500、700、
900mm 的 A 型和 B 型
XS type double-support frame
A and B type of 400, 500, 700,
900mm nominal diameter

XS 型双支点机架　XS type double-support frame

主要参数及尺寸（公称直径 300、400、500、700、900）

Primary parameter and dimension (Nominal diameter 300, 400, 500, 700, 900)

机架型号 frame type	机架公称直径 nominal diameter	传动轴轴径 d shaft diameter	传动轴上端轴径 d_1 ascending shaft diameter	减速机输出轴径 d_0 output shaft diameter	输入端接口 inlet edge	输出端接口 outlet edge					外形及其它尺寸 shape and other dimension														轴承型号 bearing type		重量 weight	
						D_4 H_9	D_5	D_6	n_2-d	f_2	A 型					B 型					H_3	H_4	D_7					
											H	H_1	H_2	H_5	L	H	H_1	H_2	H_5	L				上部	下部	A 型	B 型
XS3	300	60	45	30,40,50	见后表	320	400	445	12-22	6	1155	279	204	620	339	1400	399	324	745	429	20	32	280	153513	46216	196	207
		70	55	45,50,55									197		383			317		508				153516	46216	198	209
		80	65	55,60,65									186		413			306		538				153518	46218	203	214
XS4	400	90	75	55,65,70		415	515	565	16-26	6	1310	310	206	695	451	1535	420	316	810	566	25	34	310	153520	46222	343	357
		100	85	60,70,80									195		471			305		586				153524	46222	356	370
XS5	500	100	85	65,70,80		520	620	670	20-26	6	1620	369	255	865	471	1870	494	380	990	586	30	36	335	153524	46224	546	572
		110	90	70,80,90									251		501			376		646				153524	46226	561	587
		120	100	90,95,100									247		521			372		666				153528	46228	566	592
		130	110	90,100,110									234		569			359		694				153532	46230	578	604
XS6	700	120	100	90,95,100		670	780	830	28-26	6	1830	399	277	970	521	2060	514	392	1085	666	35	40	400	153528	46228	981	1018
		130	110	95,100,100									264		569			379		694				153532	46230	991	1028
		140	120	100,110,120									251		599			366		724				153534	46232	998	1035
		160	140	120,130,140									243		647			358		762				153538	46234	990	1027
XS7	900	140	120	100,110,120		940	1020	1124	40-30	6.4	2150	426	283	1150	599	2350	550	407	1250	724	40	50	490	153534	46232	1500	1600
		160	140	120,130,140									267		647			393		762				153538	46234		
		180	160	140,150,160									254		711			378		826				153540	46240		
		200	180	160,170,180									240		830			364		930				153544	46244		

机架型号 frame type	机架公称直径 nominal diameter	传动轴轴径 d shaft diameter	传动轴上端轴径 d_1 ascending shaft diameter	传动轴轴端尺寸 shaft end dimension of drive shaft																
				M_0	$d_2(h_9)$	d3	d4	h	h1	h2	h4	h3	L1	L0	L2	b_1N_9	b0	b_2N_9	t1	t_0	t_2
XS3	300	60	45m6	M55x2	55	52	50	322	125	4	68	15	60	27	40	14	8	8	39.5	51	51
		70	55m6	M65x2	65	62	60	278	125	4	83	15	75	27	40	16	8	8	49	61	61
		80	65m6	M75x2	75	72	70	264	139	4	98	18	90	32	50	18	10	10	58	69	70
XS4	400	90	75m6	M85x2	85	82	80	322	162	4	108	18	100	32	50	20	10	10	67.5	79	80
		100	85m6	M95x2	95	92	90	317	166	4	118	22	110	38	50	22	12	12	76	89	90
XS5	500	100	85m6	M95x2	95	92	90	490	166	4	118	22	110	38	50	22	12	12	76	89	90
		110	90m6	M100x2	100	97	95	420	166	4	118	22	110	38	50	25	12	12	81	94	95
		120	100m6	M110x2	110	107	105	413	177	4	128	22	120	40	60	28	14	14	90	104	104.5
		130	110m6	M120x2	120	117	115	370	177	4	138	26	130	44	70	28	14	14	100	114	114.5
XS6	700	120	100m6	M110x2	110	107	105	508	177	4	128	22	120	40	60	28	14	14	90	104	104.5
		130	110m6	M120x2	120	117	115	465	177	4	138	26	130	44	70	28	14	14	100	114	114.5
		140	120m6	M130x2	130	127	125	468	197	4	153	26	145	44	70	32	14	14	109	122	124.5
		160	140m6	M150x2	150	147	145	441	207	4	168	30	160	50	70	36	16	16	128	142	144
XS7	900	140	120m6	M130x2	130	127	125	468	197	4	153	26	145	44	70	32	14	14	109	122	124.5
		160	140m6	M150x2	150	147	145	411	207	4	168	30	160	50	70	36	16	16	128	142	144
		180	160m6	M170x3	170	166	165	496	227	4	198	32	190	52	80	40	16	14	157	162	164
		200	180m6	M190x3	190	186	185	536	242	4	238	32	230	54	90	45	18	18	175	180	182

XD、XS 型机架输入端接口尺寸

Inlet edge dimension of XD, XS type frame

减速机输出轴径 d_0 Output shaft diameter	减速机类别代号 Reducer type	D1	D2	D3	n1-M	f1
12	Z	65	100	120	4-M6	3
14	Z	85	120	140	4-M8	3
18	Z	100	134	160	4-M8	4
25	Z	130	160	180	6-M8	4
	C	170	200	230	6-M10	3
30	C	200	230	260	6-M12	4
35	Z	170	200	230	6-M10	5
	C	230	260	290	6-M12	4
40	Z	170	200	230	6-M10	5
	C	230	260	290	6-M12	4
45	Z	200	230	260	6-M10	5
	C	230	260	290	6-M12	4
50	Z	200	230	260	6-M10	5
	C	270	305	340	8-M16	5
55	Z	270	310	340	6-M10	5
	C	270	305	340	8-M16	5
60	C	320	360	400	8-M16	5
65	Z	316	360	400	8-M12	6
	Z1	270	310	340	6-M10	5
	C	320	360	400	8-M16	5
70	Z	316	360	400	8-M16	6
	C	320/316	360	400	8-M16	5
80	Z	345	390	430	8-M16	6
	Z1	316	360	400	8-M12	6
	C	360	410	460	8-M20	6
90	Z	400	450	490	12-M16	8
	C	360	410	460	8-M20	6
95	Z	400	450	490	12-M16	8
	Z1	455	520	580	12-M20	10
100	Z	455	520	580	12-M20	10
	C	470	520	580	12-M20	6
110	Z	520	590	650	12-M20	12
	C	470	520	580	12-M20	6
120	Z	520	590	650	12-M20	12
	C	550	600	660	12-M20	6
130	Z	680	800	880	12-M30	12
	C	680	800	880	12-M30	8
140	Z	680	800	880	12-M30	12

注：1.减速机类别代号 Z 为 X 系列、B 系列的摆线针轮减速机及 CFL 型行星齿轮减速机;C 为 LC 型、DC 型齿轮减速机。
2.其它类型减速机由我公司对接口加以调整后也可配套。

Note: 1. The code name Z is X series reducers. B series cycloid gear reducer. The C series are LC type, DC type gear reducer.
2. Another reducer could also be assembled after adjusting the connection.

TAILONG MACHINERY

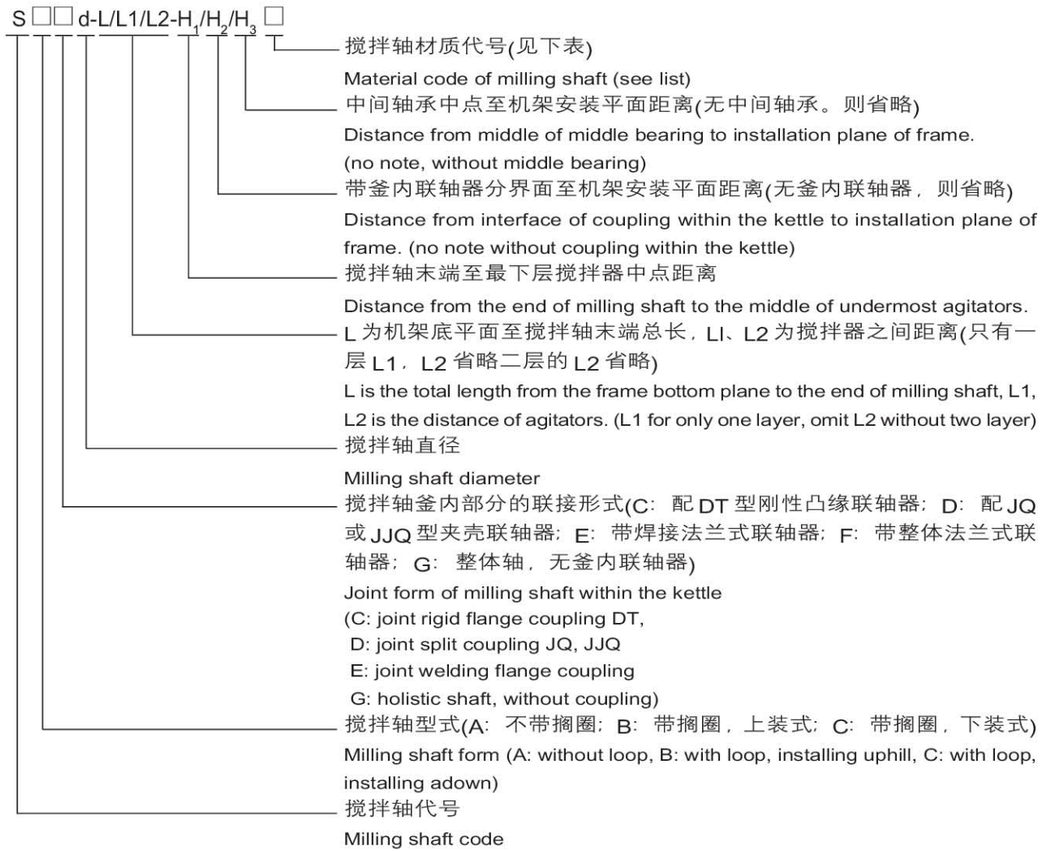
五、搅拌装置部件

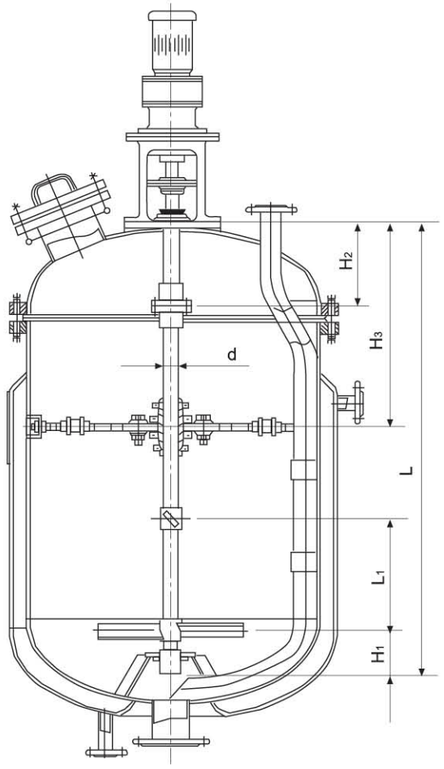
Parts of chum-dasher

为方便设计和安装调试，在选用减速机、机架、联轴器、机械密封或填料箱、搅拌器后，可根据搅拌轴主参数d和L来选择搅拌轴，机架安装底平面以上的搅拌轴尺寸由我公司根据所选机架来协调，无须设计单位出图。

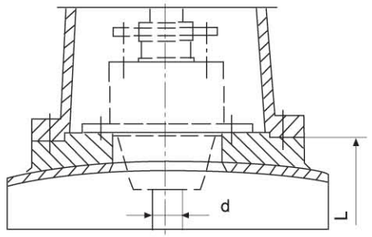
For be prone to design and install and debug decelerator, you can select milling shaft according to its primary parameter d and L, after selecting decelerator, frame, coupling, mechanical seals or packing box, agitators. The dimension of milling shaft over the installation bottom plane is harmonized by us according to the selected frame. It needn't design drawing by design department.

标注示例 Example of earmark

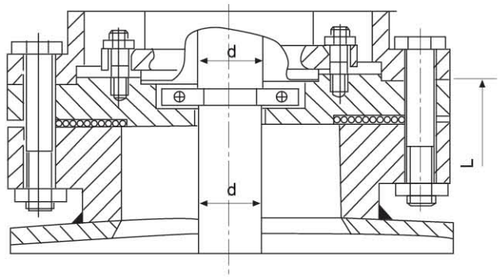




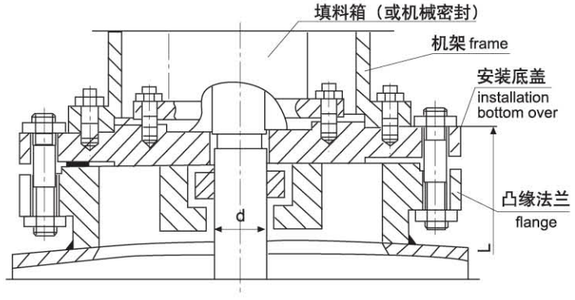
搅拌装置及SA型搅拌轴
Chum-dasher and SA type milling shaft



SA型搅拌轴
SA type milling shaft



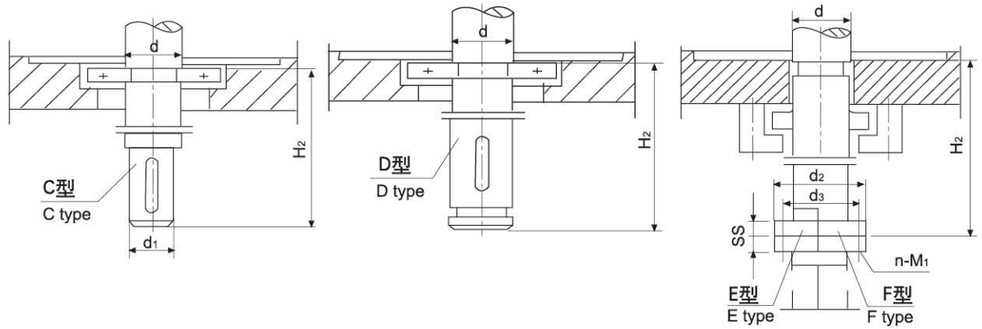
SB型搅拌轴
SB type milling shaft



SC型搅拌轴
SC type milling shaft

TAILONG MACHINERY

一、搅拌轴 Milling shaft



C型釜内轴头
C type shaft end within kettle

D型釜内轴头
D type shaft end within kettle

E、F型釜内轴头
E,F type shaft end within kettle

釜内轴头尺寸表肯 The list of shaft end within kettle

d	30	35	40	45	50	55	60	65	70	80	90	95	100	110	120	125	130	140	160
d1	25	30	35	04	45	50	55	60	65	75	85	90	90	100	110	115	120	125	140
d2	105	105	110	120	130	140	145	150	170	185	195	200	220	240	280	285	290	310	340
d3	70	70	755	85	95	105	110	115	125	140	150	155	170	190	210	215	220	235	265
S	25	25	25	25	25	30	30	30	35	35	35	35	40	40	45	45	45	50	60
n-M1	6-M12				6-M16				6-M20		8-M20		8-M24		8-M30			8-M36	
H2	250	250	250	250	350	350	480	480	480	550	580	580	650	700	750	800	800	900	1000

材料牌号表 The list of materical sign

代号 code	S1	S2	S3	S4
材料牌号 material sign	0Cr18Ni11Ti(321)(1Cr18Ni9Ti)	0Cr17Ni10Mo2(316)	0Cr19Ni9(304)	00Cr19Ni11(304L)
代号 code	S5	S6	S7	S8
材料牌号 material sign	00Cr17Ni14Mo2(316L)	0Cr18Ni12Mo2Ti(316Ti)	0Cr18Ni14Mo2Cul(316Cu)	0Cr19Ni13Mo3(317)
代号 code	T1	T2	T3	T4
材料牌号 material sign	Q235-A	20-35	20R 20g	45(c.s)
代号 code	T5	T6	T7	T8
材料牌号 material sign	16Mng 16ZMnR	15MnVg 15MnVR	20Cr	40Cr
代号 code	T9	T10	-	-
材料牌号 material sign	HT200	ZG35	-	-
代号 code	LP	LR	LF	LG
材料牌号 material sign	喷 PO	衬橡胶	衬聚四氟乙稀	衬玻璃钢
代号 code	LF	TA	-	-
材料牌号 material sign	搪玻璃	Ti(钛材)	-	-
代号 code	F4	R	CF	BF
材料牌号 material sign	聚四氟乙稀	柔性有墨	碳纤维	芳纶纤维
代号 code	AE	AF	-	-
材料牌号 material sign	油浸石棉	石棉浸渍四氟	-	-

二、安装底盖与凸缘法兰 Installation bottom cover and male flange

本系列安装底盖可与XD型、XS型机架及2000系列机械密封或506、516、606、616型填料箱相配套，底盖下面与R型、LR型、M型、LM型凸缘法兰相配套，用户可根据XD型、XS型机架及凸缘法兰的规格选择相应的安装底盖，若配用其他型号机架、机械密封、填料箱，只须将以下标记中序号换成外径 d_2，注上相应机架型号即可。

The series of installation bottom covers have been collocated with frame XD, XS and 2000 series machanical seal or packing box 506, 516, 606, 616, collocated with male flange R, LR, M, LM under it. User can select relevant cover according to the size of frame XD, XS and male flange. It must only be changing outer diameter d2 from the serial number next earmark, and note the relevant type of frame, if collocated other frame.

安装底盖标记示例:

Example of earmark installation bottom cover

□-□-□-□-□/□

- 衬里材料代号 / Material code of lining
- 底盖材料代号 / Material code of bottom cover
- 搅拌轴轴径 / Milling shaft diameter
- 机架型号 / Frame code
- 序号(1—7号，或d2) / Serial number (1st to 7st, or d2)
- 底盖型式(RS、LRS、RX、LRX、MS、LMS、MX或LMX) / Mode of bottom cover (RS, LRS, RX, LRX, MS, LMS, MX or LMX)

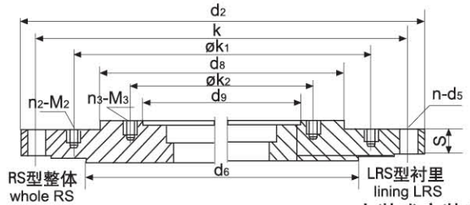
凸缘法兰标记示例:

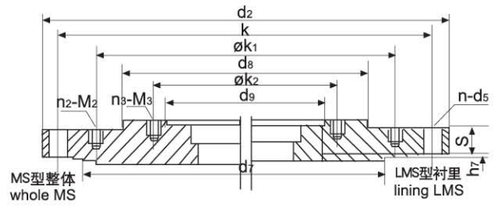
Example of earmark male flange

□-□-□/□

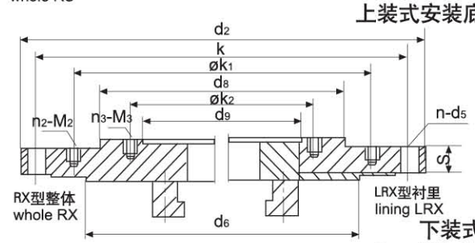
- 衬里材料代号 / Material code of lining
- 法兰材料代号 / Material code of flange
- 序号(1—7号，或d2) / Serial number (1st to 7st, or d2)
- 法兰型式(R、LR、M、LM) / Mode of flange (R, LR, M, LM)

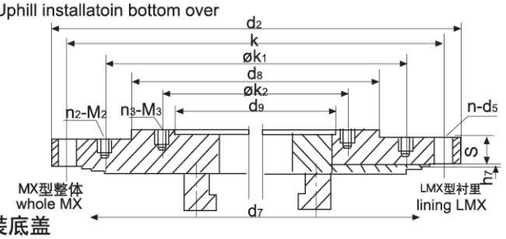
TAILONG MACHINERY





上装式安装底盖 Uphill installatoin bottom over

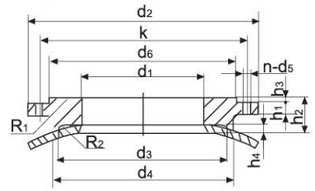




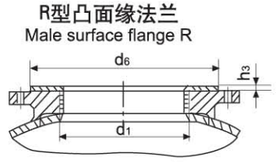
下装式安装底盖
Downhill installatoin bottom over

（与R、LR型凸缘法兰相配）
join male flange R, LR

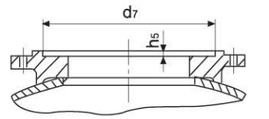
（与M、LM型凸缘法兰相配）
join male flange M, LM



R型凸面缘法兰
Male surface flange R



LR型凸面衬里凸缘法兰
Male surface lining flange LR



M型凹面凸缘法兰
Female surface flange M

LM型凹面衬里凸缘法兰
Female surface lining flange LM

凸缘底盖厚度表(S) List of flange bottom cover ply

序号 No.	d_1	d_2	k	d_3	d_4	h_1	h_2	h_4	n-d_5	d_6	d_7	h_3	h_5	s	h_6	h_7	□k_1	n_2-M_2	d_8	机架型号 frame type	搅拌轴直径 d milling shaft diameter	d_9	□k_2	n_3-M_3
1	200	340	295	220	245	34	65	2	8-□22	266	250	4	4.5	40	10	5.5	-	-	245	XD1 XS1	30,35,40	110	145	4-M16
2	245	395	350	280	300	36	65	2	12-□22	320	304	4	4.5	40	10	5.5	-	-	290	XD2 XS2	45,50,55,60,65,70	176	210	8-M16
3	280	445	400	325	350	36	65	2	12-□22	370	354	4	5	50	10	6	-	-	320	XD3 XS3	70,80,85	204	240	8-M20
4	410	565	515	430	455	42	85	2	16-□27	481	462	4	5	50	12	6	350	12-M20	290	XD2 XS2	90,95,100	234	270	8-M20
																	400	12-M20	320	XD3 XS3	110,120,125,130	260	295	8-M20
																	-	-	415	XD4 XS4	140,150,160	313	350	12-M20
5	430	670	620	520	560	46	90	5	20-□27	585	566	4	5	65	12	12	400	12-M20	320	XD3 XS3				
																	515	16-M24	415	XD4 XS4				
																	-	-	520	XD5 XS5				
6	530	830	780	670	720	60	100	8	28-□27	745	725	4	5.5	82	12	6.5	400	12-M20	320	XD3 XS3				
																	515	16-M24	415	XD4 XS4				
																	620	20-M24	520	XD5 XS5				
																	-	-	670	XD6 XS6				
7	720	1045	990	800	920	68	110	15	36-□30	945	925	4	5.5	100	12	6.5	515	16-M24	415	XD4 XS4				
																	620	20-M24	520	XD5 XS5				
																	780	28-M24	670	XD6 XS6				

注：若配用其他型号机架及机械密封或填料箱，与其连接的相关尺寸：□K1、d8、□K2、d9、n2-M2、n3-M3，由我公司调整配套。 Note: The relevant joint dimension □K1, d8, □K2, d9, n2-M2, n3-M3 is adjusted by us, if selecting other frame mode and mechnical seal or packing box.

(三)U 系列及 V 系列凸缘底盖 Flange bottom cover U and V

凸缘底盖将通常的凸缘法兰和安装底盖合二为一，直接作为容器与搅拌装置的接口，结构简单紧凑，节约材料，减轻重量，特别是分体凸缘底盖．内外凸缘可分别用不同材质、在大型设备中．明显节约了投资．实际中应用广泛、另外凸缘下面开有排液孔，有利于机封等部件的清洗和维护。凸缘底盖还可以根据搅拌轴搁轴的需要，制成上装式和下装式。

Flange bottom cover is united by usual flange and installation bottom cover, as interface of case with chum-dasher. Simple achieve structure, retrench material, lighten weight, especially fissile flange bottom cover and inside and outside flange can be selected different material apart. It is obvious to retrench investment about large equipments. It has broad application in practice. Otherwise hole letted liquid under the male edge is make for cleanouting and maintenance seal etc. Flange bottom cover can be made into installation [uphill and downhill] as required of milling shaft, too.

凸缘底盖标记方法 Earmark procedure

□ □ X □ □ □/□

- □/□ 材料代号(若用两种材料，用斜杆隔开)
  Material code (use "/ " if two materials)
- □ 搅拌轴直径
  Diameter of milling shaft
- □ 凸缘底盖厚度(见下表)
  Ply of flange bottom cover (see next list)
- □ 凸缘底盖外径(根据机架底法兰外圆直径而定)
  Outer diameter of flange bottom cover (confirm as circle diameter of frame bottom flange)
- X 凸缘底盖分类代号：整体平底(UA)，整体凹底(UB)，衬里整体平底(UC)，衬里整体凹底(UD)，分体平底(VA)，分体凹底(VB) 若制成上装式，则各成：UAS,UBS,UCS,UDS,VAS,VBS。若制成下装则各成：UAX,UBX,UCX,UDX，VAX,VBX。
  Code of flange bottom cover:
  holistic even bottom (UA), holistic female bottom (UB), holistic even bottom with lining (UC), holistic female bottom with lining (UD), fissile even bottom (VA), fissile female bottom (VB). If be made into uphill installation, it is UAS, UBS, UCS, UDS, VAS, VBS. If be made into downhill installation, it is UAX, UBX, UCX, UDX, VAX, VBX.

选用说明 Instruction for selection

1、若配套本公司减速机、机械密封，只须按标记方法表示，及提供工艺操作的条件与容器封头的尺寸规格。也可以提供如图各尺寸数据及要求，委托我方加工生产。

2、在容器上焊接凸缘底盖时须保证其安装面和容器轴心线的垂直度，采用分体凸缘时先校正好外凸缘位置精度再焊接，待安装上支架等整体搅拌装置后，校正内凸缘位置，点焊固定后运转无误再按工艺要求焊接。

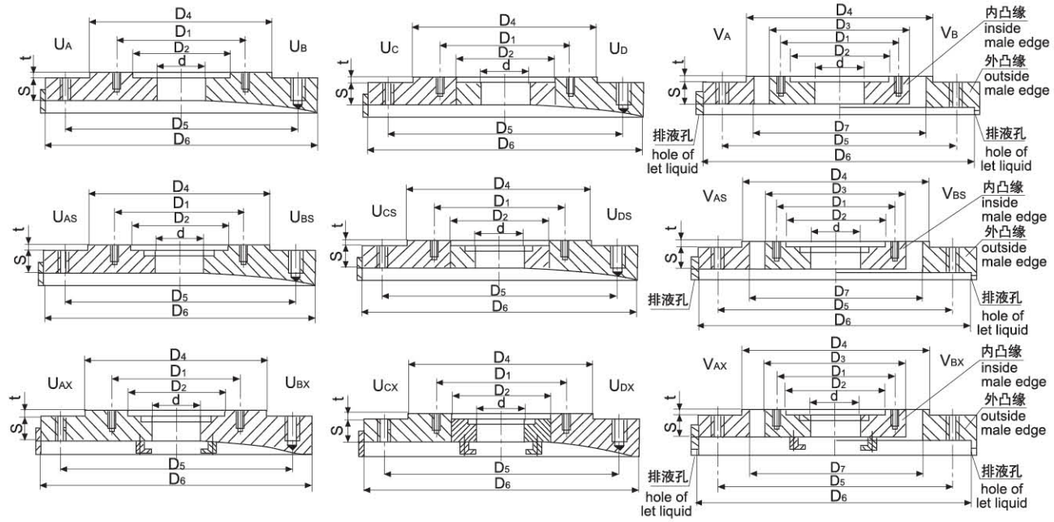
1. If joint with our decelerator and mechanical seal, it only is clenoted as earmark procedure, supply condition of technics working and size of case seal, or supply diameter data and request as figure to leave us producing.

2. It must assure plumb degree of installation surface and axes line of case when welding flange bottom cover in case. First proofreading place precision of male edge then welding. After frame and whole chum-dasher is installed, we proofread male edge place. We weld as technics request without error working after welding for fixation.

TAILONG MACHINERY

凸缘底盖厚度表(S) List of flange bottom cover ply

凸缘外径 outer diameter of frame / 公称压力 nominal pressure	>300~400	>400~600	>600~800	>800~900	>900~1200	>1200~1500
-1~0.1MPa	30	30	40	50	60	80
<0.6MPa	35	40	50	65	80	100
<0.16MPa	40	50	60	82	100	120

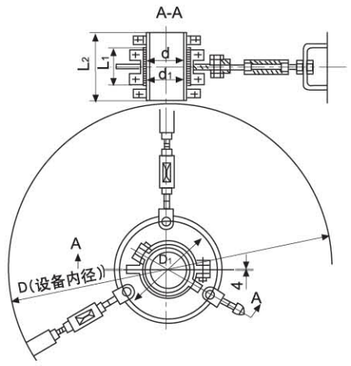


(四)中间轴承 Middlel bearing

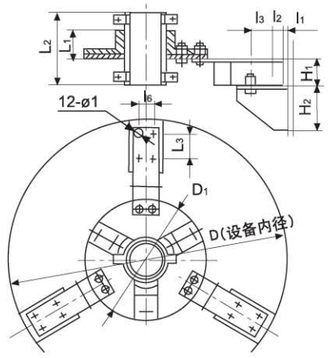
SL、SC、JC、SD 型主要尺寸 Primary dimension of SL, SC, JC, SD type

d	d1	L_1	L_2	L_3	D_1	H_1	H_2	l_1	l_2	l_3	l_4	l_5	l_6	l_7	□1	□2	□3	重量 weight SL	SC	JC	SD
40	60	92	200	60	260	50	100	10	16	50	30	270	40	90	12	14	14	36	82	183	60
50	70	92	200	60	260	50	100	10	16	50	30	270	40	90	12	14	14	38	85	186	62
60	80	92	200	60	260	60	120	12	16	60	40	290	40	96	12	14	14	39	87	189	64
65	85	92	200	60	260	60	120	12	16	60	40	290	40	96	12	14	14	40	90	194	66
70	90	92	200	60	260	60	120	12	16	60	40	290	40	96	12	14	14	42	93	197	68
75	95	92	200	60	260	60	120	12	16	60	40	290	40	96	12	14	14	43	95	199	70
80	100	112	220	80	300	80	160	15	20	80	50	350	50	116	14	18	18	46	146	303	90
90	110	112	220	80	300	80	160	15	20	80	50	350	50	116	14	18	18	48	153	310	95
95	115	112	220	80	300	80	160	15	20	80	50	350	50	116	14	18	18	52	160	316	100
100	120	112	220	80	300	80	160	15	20	80	50	350	50	116	14	18	18	55	163.	323	108
110	140	142	250	100	350	100	200	20	25	90	60	360	60	120	18	22	22	63	178	365	115
120	150	142	250	100	350	100	200	20	25	90	60	360	60	120	18	22	22	65	189	370	120
125	155	142	250	100	350	100	200	20	25	90	60	360	60	120	18	22	22	66	196	375	130
140	170	160	280	120	380	120	200	20	25	120	80	430	80	216	18	22	22	73	232	452	140
150	180	160	280	120	380	120	200	20	25	120	80	430	80	216	18	22	22	76	238	458	150
160	190	160	280	120	380	120	200	20	25	120	80	430	80	216	18	22	22	80	243	464	160
180	215	180	300	130	400	160	240	25	30	140	100	430	100	250	22	22	22	101	307	587	190
200	235	200	320	140	420	160	240	25	30	140	100	500	100	250	22	22	22	128	359	634	230

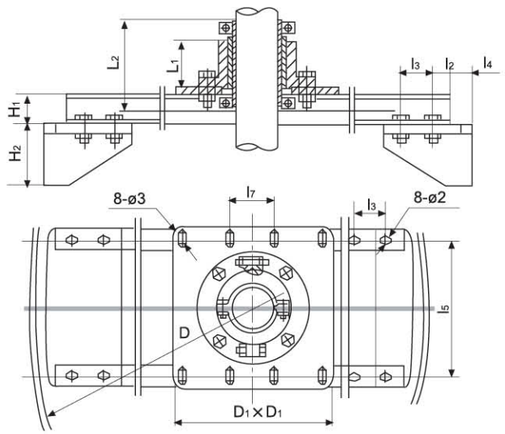
注：重量仅供参考，与设备内径 D 有关，SD 适合于中间轴承位置高度在上封头范围的情况，用户提供高度位置及封头图形，本公司可以供应定位拉杆构件。 Note: The weight have relation to inside diameter D of equipment only for reference. SD type is fit for that high of middle bearing place belong to the upper seal confine. We can supply orientation pole member after user supplied high place and seal drawing.



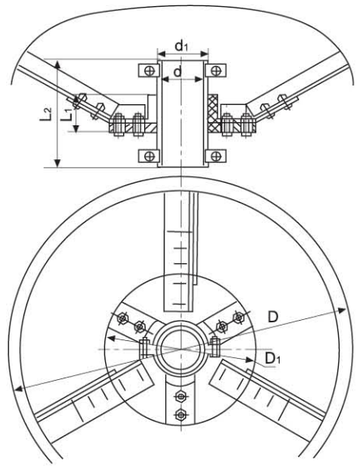
SL型三拉杆式中间轴承
Three-pole middle bearing SL



SC型三槽钢中间轴承三轴瓦式
Three channel steel middle bearing SC, three axial tile



JC型#字槽钢式中间轴承
character channel steel middle bearing JC



SD型三拉杆式吊挂中间轴承
Three-pole pensile middle bearing SD

(五)底轴承 Bottom bearing

底轴承分三足式(SZ 型)、底部法兰式(DL)型、迷宫三足式(MSZ)型、迷宫底法兰式(MDL 型)四种、标定型号如下:

Bottom bearing includes three-foot (SZ), bottom flange (DL), maze three-foot (MSZ), maze flange (MDL) four types, mode of earmark as follows:

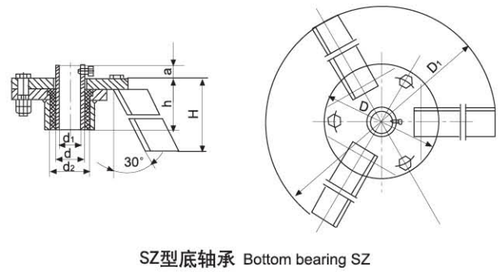
□ □ □

主体材料代号 Primary material code
搅拌轴直径 d Diameter of milling shaft d
型号(分 SZ、DL、MSZ、MDL 四种) Type (SZ, DL, MSZ, MDL)

TAILONG MACHINERY

SZ 型主要尺寸 Primary dimension of SZ type

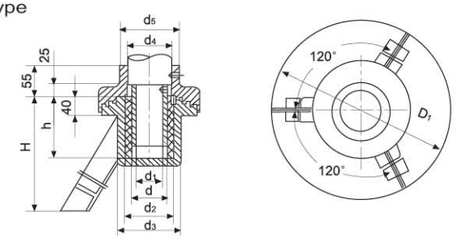
公称轴径 d noimal axes diameter	d_1	d_2	D	D_1	a	h	H	重量(kg) weight
30	22	45	140	363	20	50	160	4.33
40	32	55	160	412	20	60	180	5.49
50	40	65	180	455	20	70	200	6.9
65	50	85	200	498	20	90	230	14
80	65	100	230	563	30	105	250	18
95	75	115	250	617	45	120	280	22
110	90	130	270	683	45	135	300	26.5
125	105	145	310	790	45	155	350	34
140	115	165	360	893	45	165	390	49
165	140	190	400	1040	45	165	430	67
190	165	215	440	1040	50	220	450	90



SZ型底轴承 Bottom bearing SZ

DL、MDL 型主要尺寸 Primary dimension of DL, MDL type

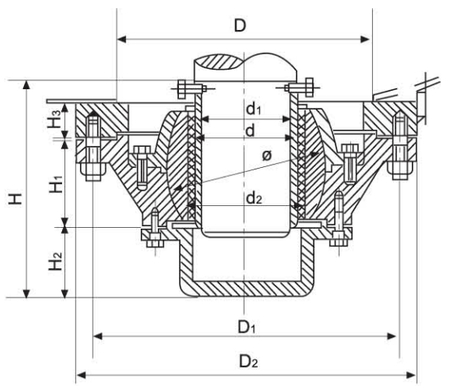
公称轴径 d noimal axes diameter	d_1	d_2	D	D_1	h	H	重量(kg) weight
30	22	45	135	157	35	105	5.1
40	32	55	145	178	45	125	7.1
50	40	65	156	211	55	145	9.6
65	50	85	180	265	70	175	16
80	65	100	195	309	85	195	22
95	75	115	210	359	100	225	30
110	90	130	225	397	115	245	39
125	105	145	245	430	130	260	53
140	115	165	265	500	155	300	69
165	140	190	295	542	165	310	88
190	165	215	320	600	190	340	120



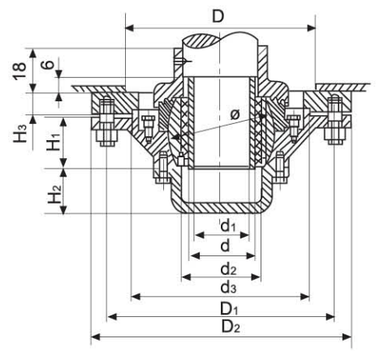
MSZ型底轴承 Bottom bearing MSZ

MSZ 型主要尺寸 Primary dimension of MSZ type

公称轴径 d noimal axes diameter	D	D1	D2	d1	d2	d3	□	H1	H2	H3	~H	螺柱 screw 数量 No.	螺柱 screw 直径 x 长度 diameter x length	重量(kg) weight
65	220	265	310	50	80	225	120	50	56	32	174	8	M16 x 50	43.8
80	240	285	330	65	100	245	140	54	66	32	193	8	M16 x 50	53
95	260	330	375	80	115	255	155	72	74	32	224	12	M16 x 65	78
110	295	385	430	95	130	300	188	82	84	40	249	12	M20 x 85	108
125	315	395	440	105	145	363	210	90	90	40	280	12	M20 x 85	155
140	350	445	490	115	165	413	238	100	95	45	300	12	M20 x 95	189
165	385	495	540	140	190	463	270	110	100	45	320	16	M20 x 100	227
190	405	495	540	165	215	463	296	120	105	50	340	16	M20 x 110	270



DL型底轴承 Bottom bearing DL

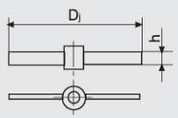
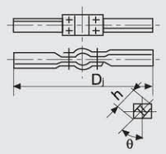
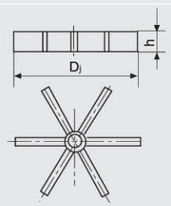
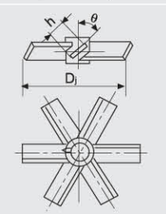
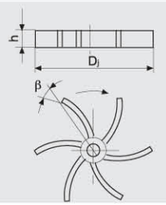


MDL型底轴承 Bottom bearing MDL

(六)搅拌器 Agitators

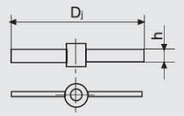
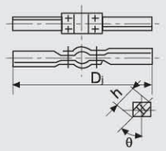
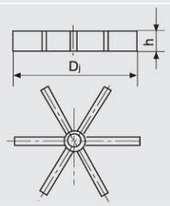
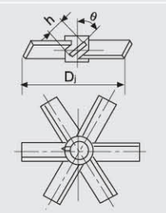
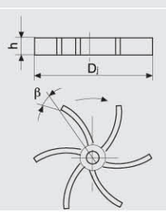
本公司生产近30类计140多种搅拌器，从最常见的(包括已有的HB5标准，SB90标准各种搅拌器)到各种复杂形状或特殊用途的搅拌器。可按H／T2123-91标准的各种规格尺寸系列制造: 也可根据用户生产工艺需求，代为设计制造各种特殊要求、特殊规格或特殊用途的搅拌器。

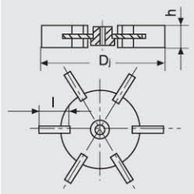
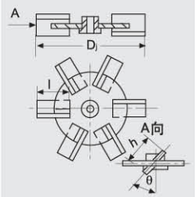
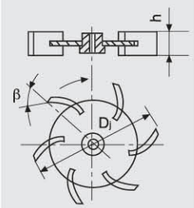
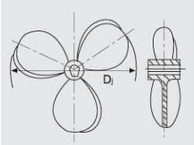
1.搅拌器的形式、主要尺寸特性参数

搅拌器类型		搅拌器简图	主要尺寸	特性参数			备注
				常用运转条件	常用介质粘度范围(□)	液体流动状态	
桨型	直叶		Dj/Di=0.35～0.80 b/Dj=0.1～0.25 桨叶数Zj=2; 斜叶的斜角=45°(标准值)，30°	n=l～100rpm v=1.0～5.0m/s	□<2000mpa·S	低速时主要为水平环向流；高速时为径型；有挡板时为上下循环流 有轴向分流，径向分流和环向分流多在层流，过度流状态下操作	当Dj/Di>0.9并设多层桨式叶轮时，可用予高粘度液体的低速搅拌。 在层流区操作时，其适用介质粘度可达到10^5mPa·s， 桨叶端的线速度 v=1.0～3.0m/s
	斜叶						
开启涡轮式	直叶		Dj/Di=0.2～0.5(标准值为0.33) b/Dj=0.15～0.3(标准值为0.2); 桨叶数Zj=3、4、6，8(常用桨叶数Zj=6) 斜桨叶的斜角=30°、45°、60°(标准值□=45°) 后弯桨叶弯角□=30°、50°、60°。80°(常用□=50°、60°)	n=10～300rpm v=4～10m/s; 斜桨叶的V=2～6m/s	对直桨叶□<5x10^4mpa·S 对斜桨叶、后弯桨叶 □<10^4mpa·S	直叶。弯叶为径向流。有挡板时，自桨叶为界形成上，下两个循环流；斜叶为兼有径向流和轴向流，但近于轴流型	最高转速可达600rpm; 斜叶斜角66°的叶轮用予3叶开启涡轮，其搅拌效果类似3叶推进式; 用于高粘度的液体时，后弯叶的弯角□宜取大值，以降低功率消耗。
	斜叶						
	后弯叶						

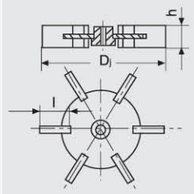
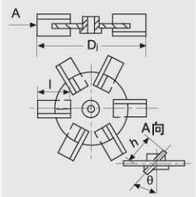
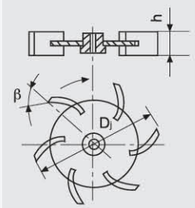
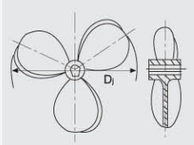
We have made about 30 kinds of agitators, namely 140 categories. We can make according to every size series of H/T2123-91 from familiar furthest (include existing every agitators of HB5, SB90 standard) to every complicated figure or especial use. We can also design and made all kinds of agitators with especial request or especial size or especial use, according to the technics request of user.

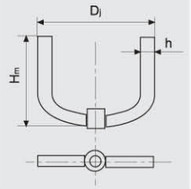
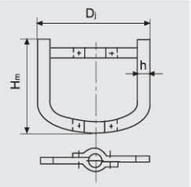
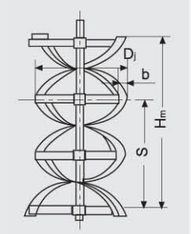
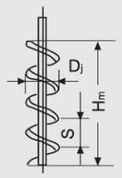
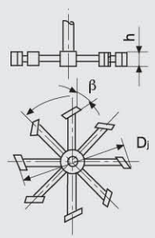
1. Form primary dimension and characteristic parameter of agitators

type		simple drawing	primary dimension	characteristic parameter			note
				common work condition	common medium viscosity extension(□)	liquid flow state	
oar	straight leaf		Dj/Di=0.35～0.80 b/Dj=0.1～0.25 number of oar leaf Zj=2; bevel of skew leaf =45°(normal value)，30°	n=l～100rpm v=1.0～5.0m/s	□<2000mpa·S	Level round flow as low speed; radial form as high speed; flow round up and down with baffle. Distributary along axes, radial, round has been done in the condition of floor flow or transition flow.	It can be used to mill high viscosity liquid with low speed when Dj/Di>0.9, and many floor oar impellers have been used. Medium viscosity in point has achieved 10^5mPa·s. When done in floor flow area. Line speed at the end of oar leaf v=1.0～3.0m/s
	skew leaf						
opening turbine	straight leaf		Dj/Di=0.2～0.5(normal value 0.33); b/Dj=0.15～0.3(normal value 0.2); number of oar leaf Zj=3、4、6、8 (number of normal oar leaf Zj=6); bevel of skew oar leaf =30°、45°、60°(normal value □=45°); degree of retral curly oar leaf □=30°、50°、60°。80°(normal □=50°、60°)	n=10～300rpm v=4～10m/s; skew oar leaf V=2～6m/s	to straight oar leaf □<5x10^4mpa·S to skew oar leaf, retral cruly oar leaf □<10^4mpa·S	Flow along radial for straight leaf and cruly leaf; two flows round up and down had been formed with baffle; both flow along radial and flow along axes has been formed for skew leaf, but it seems flow along axes.	Up most rotate speed can achieve 600rpm. Impeller with bevel of skew leaf 66° has been used for three-leaf opening turbine, its effect seems three-leaf advance form. Degree of retral curly oar leaf should choose big value to reduce power wastage for high viscosity liquid.
	skew leaf						
	retral curly leaf						

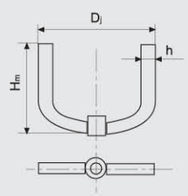
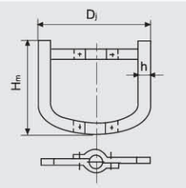
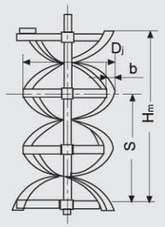
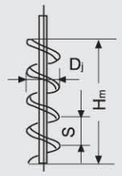
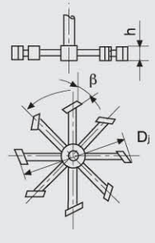
搅拌器类型		搅拌器简图	主要尺寸	特性参数			备注
				常用运转条件	常用介质粘度范围(□)	液体流动状态	
圆盘涡轮式	直叶		Dj/Di=0.2~0.5(标准值为 0.33); Dj:l:b=20:5:4 叶片数量 Zj = 4、6、8(常用 Z=6) 斜桨叶斜角 □=45°、30° 后弯叶弯角 □=45°	n=l0~300rpm v=4~10m/s 斜叶式的 v=2~6m/s	对直叶为：□ <5x10⁴mPa·s 对斜叶、弯叶为：□ <10⁴mPa·s	直叶、弯叶为径向流；有挡板时，自桨叶为界形上、下两个循环流； 斜叶为兼有径向流和轴向流；圆盘涡轮叶轮在其圆盘上下的液体混合不如开启涡轮	最高转速 n=600rpm；
	斜叶						
	后弯叶						
推进式	螺旋叶		Dj/Di=0.2~0.5(标准值为 0.33); S/Dj=1、2 叶片数量 Zj=2、3、4(常用 Z=3); Pt- 螺距	n=l00~500rpm v=3~15m/s	□<2000mpa·s	轴流型，循环速率高，剪切力小。 装有挡板或导流筒时．轴向流更强	最高转速 n=1750rpm； 叶端高线速 v=25m/s； 在 n<500rpm 时，适用介质粘度□ ≤ 5X 10⁴mPa·S

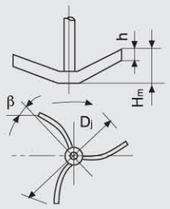
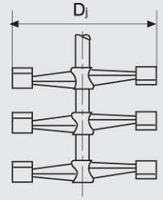
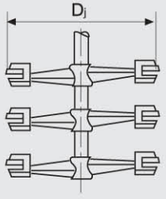
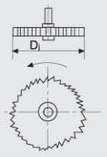
TAILONG MACHINERY

type		simple drawing	primary dimension	characteristic parameter			note
				common work condition	common medium viscosity extension(□)	liquid flow state	
disk turbine form	straight leaf		Dj/Di=0．2～0．5 (normal value is 0.33); Dj:l:b=20:5:4 number leaf Zj = 4、6、8 (normal Z=6)	n=l0~300rpm v=4~10m/s skew leaf v=2~6m/s	to straight leaf: □<5x10⁴mPa·s to skew leaf, curly leaf: □<10⁴mPa·s	Flow along radial for straight leaf and curly leaf; two flows round up and down has been formed with baffle; both flow along radial and flow along axes has been formed for skew leaf; liquid is mixed better up and down the disk using opening turbine than using disk turbine.	upmost rotate speed n=600rpm；
	skew leaf		bevel skew oar leaf □ = 45°、30°degree of retral curly leaf □=45°				
	retral curly leaf						
advance form	helix leaf		Dj/Di=0.2~0.5(normal value is 0.33); S/Dj=1、2 number of leaf Zj = 2、3、4 (normal Z=3); Pt-pitch	n=l00~500rpm v=3~15m/s	□<2000mpa·s	Flow along axes, high round speed, little cut power, strong flow along axes for baffle or canister leading flow.	upmost ratate speed n=1750rpm； high line speed at the end of leaf v=25m/s； Medium viscosity is point □ ≤ 5X 10⁴mPa·S as n <500rpm

搅拌器类型	搅拌器简图	主要尺寸	特性参数			备注
			常用运转条件	常用介质粘度范围(□)	液体流动状态	
锚式		D1/Di=0.9~0.98; b/D1=0.1; Hm/Di=0.48~1.0	n=l~100rpm v=1~5m/s	□<10^5mPa·s	在桨叶不同高度上均为水平环向流; 采用斜叶或角钢型叶时，可增加桨叶附近的涡流; 锚式，框式叶轮均在层流状态下操作	为了增大搅拌范围，可根据需要在桨叶上增设立叶和横梁
框式						
螺带搅拌器		Di/Di=0.9~0.98; S/Di=0.5、1、1.5; b/Di=0.1 Hm/Dj=1~3 (可根据液层高度增大) 螺带条数：1、2	n=0.5~50rpm v=2m/s	□<10^5mPa·s	轴流型: 一般是液体沿容器内壁螺旋上升后再沿轴下降; 桨叶在层流状态下操作	
螺杆搅拌器		Dj/Di=0.4~0.5; S/Dj=1、1.5; Hm/Dj=1~3	n=0.5~50rpm v=2m/s	□<10^5mPa·s	轴向流。带导流筒时，一般液体在导流筒内向下流，在导流筒外的环形空间向上流：桨叶在层流状态下操作	螺杆叶轮可偏心放入搅拌容器内，这时桨叶与容器内壁的间距<$\frac{1}{20}$ Dj，容器壁能起到挡板的作用
布尔马金式搅拌器		Dj/Di=0.2~0.5; b/Di=0.1 b=70 桨叶数量 Zj=6、8	n=10~300rpm	□<$5x10^4$mpa·s	径流型	桨叶端部加宽并有后弯角；排出液体性能好，动力消耗小，剪切力小

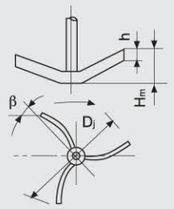
TAILONG MACHINERY

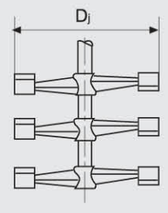
type	simple drawing	primary dimension	characteristic parameter			note
			common work condition	common medium viscosity extension(□)	liquid flow state	
anchor form		D1/Di=0.9~0.98; b/D1=0.1; Hm/Di=0.48~1.0	n=l~100rpm v=1~5m/s	□<10^5mPa·s	It all is level round flow on the different height of oar leaf. It can add whirlpool near leaf when using skew leaf or angle iron leaf; impeller of anchor and frame forms has been worked in the condition of floor flow.	Horrent leaf and beam can be added as needed for extending milling area.
frame form						
helix cincture form agitator		Di/Di=0.9~0.98; S/Di=0.5, 1, 1.5; b/Di=0.1 Hm/Dj=1~3 (augment according to liquid height); number of helix cincture 1、2	n=0.5~50rpm v=2m/s	□<10^5mPa·s	Flow along axes Liquid raises helix along inner case wall, then drops along shaft; oar leaf is worked in the condition of floor flow.	
helix pole form agitator		Dj/Di=0.4~0.5; S/Dj=1, 1.5; Hm/Dj=1~3	n=0.5~50rpm v=2m/s	□<10^5mPa·s	Flow along axes Normal liquid has flowed down within canister leading flow, flowed up in round room outside canister leading flow. Oar leaf has been worked in the condition of floor flow.	Impeller of helix pole can be putted into milling case, distance of oar leaf and inner case wall less than $\frac{1}{20}$ Dj, case wall can exert action as baffle.
buermajin form agitator		Dj/Di=0.2~0.5; b/Di=0.1 b=70 number of oar leaf Zj=6、8	n=10~300rpm	□<$5x10^4$mpa·s	Flow along radial	The end of oar leaf is widened and retral curly degree exist. It has good capability of venting liquid, small power wastage, little cut power.

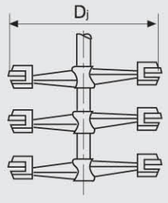
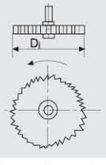
搅拌器类型	搅拌器简图	主要尺寸	特性参数			备注
			常用运转条件	常用介质粘度范围(□)	液体流动状态	
三叶后掠式搅拌器		Dj/Di=0.5; b/H_m=2/5; h/D_i=0.05; □=30°、50°; 叶片上翘角; 15°~20°; 叶片数 Z_j=3	n=80~150rpm □ ≤ 10m/s	□<10^4mPa · S	径流型: 搅拌容器内装配指形挡板时可获得上下循环流，循环量大 在档板的配合下，剪切作用也大	最高叶端线速度 v=15m/s
MIG式(多层双倾斜桨叶)搅拌器		Dj/Di=0.5~0.95(标准值为 0.7); 每个叶轮的桨叶数 Zj=2 搅拌器容量 Z=2~3 个(标准为 3 个); 叶轮间距 Sp=028Di(标准值); 搅拌容器内设挡板的条件: Dj/Di<0.7，2~4 挡板; Dj/Di>0.7；无挡板	v=1~12m/s	□<10^4mPa · S	低速时水平环向流和轴向流：高速时为径向流轴向流: 桨叶前端有较强的涡流。可在层流区和湍流区操作	MIG 式叶轮属于斜桨叶的改型，在每个斜桨叶外端增设一个与主桨叶反向倾斜的小桨叶; 每个搅拌器为二个桨叶；搅拌轴上一般装 2~3 个搅拌器(互成 90°)
					流体的流动状态同 MIG 式搅拌器，桨叶外端的涡流更强，混合效果更好	INTERMIG 式搅拌器属子 MIG 式搅拌器的改型，在斜主桨叶外端的小桨叶改为双斜叶小桨叶; 搅拌轴上的搅拌器数一般为 2~3 个(互成 90°)
INTERMIG式MIG改型多层桨叶(搅拌器)						
锯式圆盘式搅拌器		Dj/Di=0.2~0.5;	v=5~20m/s	□<2000mpa · s	径流型。 在湍流状态下操作	

注：表中通用符号的命名：n- 搅拌器转数 rpm；v- 搅拌器桨叶部的线速 m/s；Di- 搅拌容器内径；Dj- 搅拌器直径；S- 螺旋形桨叶的螺距；□- 后弯桨叶的后弯角(°)。

TAILONG MACHINERY

type	simple drawing	primary dimension	characteristic parameter			note
			common work condition	common medium viscosity extension(□)	liquid flow state	
three-leaves retral curly form agitator		Dj/Di=0.5; b/H_m=2/5; h/D_i=0.05; □=30°、50°; uphill turnup angle of leaf; 15°~20°; number of leaf Z_j=3	n=80~150rpm □ ≤ 10m/s	□<10^4mPa · S	Radial flow form Flow round up and down can be formed when baffle as finger form is assembled within agitator, large circulation capacity, cut action is also large with baffle.	Upmost line speed at the end of leaf v=15m/s

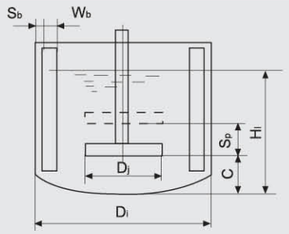
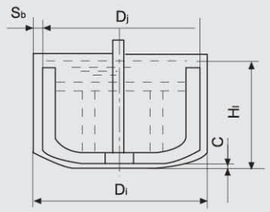
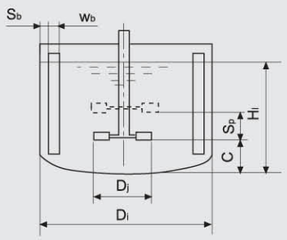
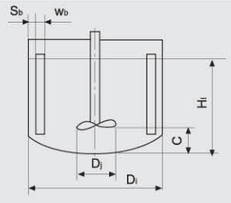
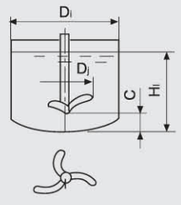
Many floor double slantwise oar MIG agitator leaves		Dj/Di=0.5~0.95 (normal value is 0.7);
		number of oar leaf in every impeller Zj=2
		capability of agitator Z=2~3 (normal value is 3);
		distance of impeller Sp=028Di (normal value);
		condition of setting up baffle within agitator;
		Dj/Di<0.7，2~4 baffles;
		Dj/Di>0.7;
		without baffle
			v=1~12m/s	□<10^4mPa · S	Level round flow and axes flow as low speed; radial flow and axes flow as high speed. It has strong whirlpool in oar leaf front, it can work in floor flow area and onflow area.	MIG impeller belongs to skew oar leaf remodel, little oar leaf, contrary major oar leaf incline orientation, is setted up.
						There is two oar leaves in every agitator; there is usual 2-3 agitators on milling axes. (become 90° each other)

					Flow state of liquid is same to MIG agitator. Whirlpool outside oar leaf is still strong, mixing effect is still good.	INTERMIG agitator belongs to MIG agitator remodel. Little oar leaf outside skew major oar leaf is changed into double skew little oar leaf. There is usual 2-3 agitators on milling axes. (become 90° each other)
INTERMIG form MIG remodeled						
Toothed disk agitator		Dj/Di=0.2~0.5;	v=5~20m/s	□<2000mpa · s	Radial flow form It is worked in the condition of onflow	

Note: Call of universal symbol in list: n — rotate speed of agitator, rpm; v — line speed of agitator leaf, m/s; Di — inside diameter of agitator; Dj — diameter of agitator; S — pitch of helix oar leaf; □ — degree of retral curly oar leaf (°)

2、搅拌器在搅拌容器中的位置尺寸关系

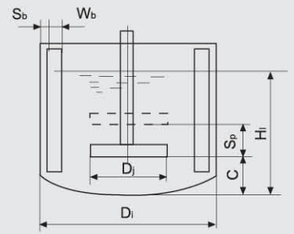
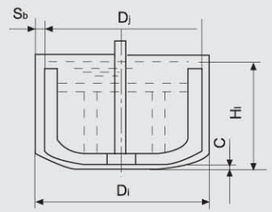
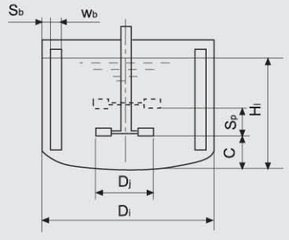
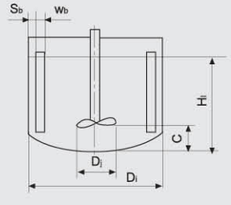
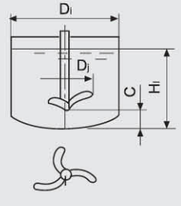
搅拌器在搅拌容器中的位置尺寸关系

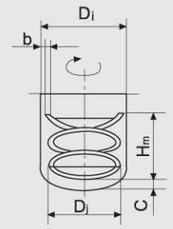
搅拌器类型	搅拌容器和搅拌器简图	位置尺寸比例
桨式		$C=(0.15\sim0.25)D_j$ $Sp=(0.3\sim0.4)D_j$ $W_b=(\frac{1}{12}-\frac{1}{10})D_j$(标准值: $\frac{1}{12}D_j$) $S_b=(0.2\sim0.5)W_b$(标准值: $0.2W_b$) $H_j=D_j$(标准值) 当 H_j 远大于 Di 时，应采用多层搅拌器
锚式框式		$C=(0.03\sim0.06)D_j$ $S_b=0.0275Di$(用于平底桨叶的锚式、框式搅拌器) $S_b=0.06Di$(用于圆弧形底桨叶的锚式、框式搅拌器) $H_j=D_j$(标准值)
开启涡轮式		$C=(0.5\sim1)D_j$(用于开启涡轮式搅拌器) $C \approx D_j$(用于圆盘涡轮式搅拌器) $Sp=(1\sim1.5)Dj$ $W_b=(\frac{1}{12}-\frac{1}{10})D_j$(标准值: 1/12$D_j$) $S_b=(0.2\sim0.5)W_b$(标准值: $0.2W_b$) $H_j=D_j$(标准值) 当 H_j 远大于 D_j 时，应采用多层搅拌器
推进式		$C=(1\sim1.5)D_j$(标准值: $C=D_j$) $W_b=0.1D_j$ $S_b=0$（无间隙） $H_j=D_j$（标准值）
三叶后掠式		$C=(0.1\sim0.3)D_j$ $H_j=D_j$(标准值)

TAILONG MACHINERY

2. Relation of place dimension for agitator within case

Relation of place dimension

Type	Simple drawing of case and agitator	Scale of place dimension
oar form		$C=(0.15\sim0.25)D_j$ $Sp=(0.3\sim0.4)D_j$ $W_b=(\frac{1}{12}-\frac{1}{10})D_j$ (normal value: $\frac{1}{12}D_j$) $S_b=(0.2\sim0.5)W_b$(normal value: $0.2W_b$) $H_j=D_j$ (normal value) Many floor agitator should be used when H_j bigger than D_j
anchor and frame form		$C=(0.03\sim0.06)D_j$ $S_b=0.0275Di$ (for auchor and frame form agitator with level bottom oar leaf) $S_b=0.06Di$ (for auchor and frame form agitator with fox bottom oar leaf) $H_j=D_j$ (normal value)
opening turbine form disk turbine form		$C=(0.5\sim1)D_j$ (for opening turbine form agitator) $C \approx D_j$ (for disk turbine form agitator) $Sp=(1\sim1.5)Dj$ $W_b=(\frac{1}{12}-\frac{1}{10})D_j$ (normal value: 1/12D_j) $S_b=(0.2\sim0.5)W_b$ (normal value: $0.2W_b$) $H_j=D_j$ (normal value) Many floor agitator should be used when H_j bigger than D_j
advance form		$C=(1\sim1.5)D_j$ (normal value: $C=D_j$) $W_b=0.1D_j$ $S_b=0$ $H_j=D_j$ (normal value)
three-leaves retral curly form		$C=(0.1\sim0.3)D_j$ $H_j=D_j$ (normal value)

搅拌器类型 Type	搅拌容器和搅拌器简图 Simple drawing of case and agitator	位置尺寸比例 Scale of place dimension
螺带式 helix cincture form agitator		C=(0.01~0.05)Dj

3、搅拌器选形 Form selection of agitator

(1)最适宜的搅拌器端部的圆周速度 Optimum circle speed at the end of agitator

搅拌器类型 type	被搅拌介质的粘度 medium viscosity mPa·s	适宜的搅拌器端部圆周速度.m/s circle speed	最高转速 rpm upmost rotate speed
桨式、框式、锚式 oar, frame and auchor form	1~4000	3.0~2.0	＜80
	4000~8000	2.5~1.5	
	8000~15000	1.5~1.0	
涡轮式 turbine form	1~5000	7~4.2	＜540
	5000~15000	4.2~3.4	
	15000~25000	3.4~2.3	
推进式 advance form	1~2000	4.8~16	＜800

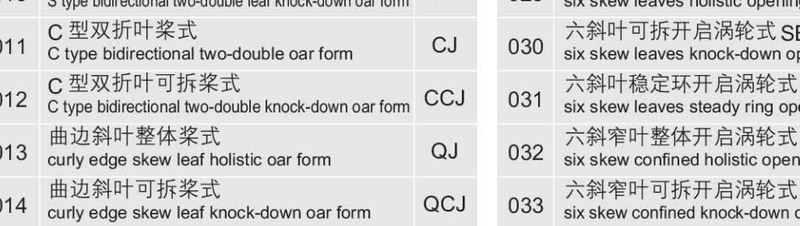
(2)搅拌器形式选择 Form selection of agitator

搅拌器形式选用表 selection list

工艺过程类别 type of technics process	控制因素 control factor	适用搅拌器形式 form in point	Di/Dj	Hl/Di
调和 congruity (低粘度均相液体混合) low viscosity symmetrical phasic liquid mixxed	容积循环速率 cubage round speed	推进式 advance form 涡轮式 turbine form	推进式 advance form:4:1~3:1 涡轮式 turbine form:6:1~3:1	不限
分散 decentralization (非均相液体混合) asymmetrical phasic liquid mixxed	液滴大小（分散度）、 liquid drib bulk decentraliza-tion degree	涡轮式 turbine form	3.5:1~3:1	1:1~1:2
固体悬浮 solid suspended	容积循环速率 cubage round speed 容积循环速率，湍流强度 cubage round speed onflow strong	按固体粘度、含量及比重选用下列三种：桨式、推进式或涡轮式 select next three types ac-cording to solid viscosity	推进式 advance form: 2.5:1~3.5:1 桨式或涡轮式 oar or turbine form: 2.0:1~3.2:1	1:2~1:1
气体吸收 gas absorbed	剪切作用，容积循环速率，高速度 cut action, cubage round speed, high speed	涡轮式 turbine form	2.5:1~4.0:1	4:1~1:1
传热 transmit heat energy	容积循环速率，流经传热面的湍流速度 cubage round speed, onflow speed of flowing across trans-mit heat energy surface	桨式 oar form 推进式 advance form 涡轮式 turbine form	桨式 oar form:1.25:1~2:1 推进式 advance form:3:1~4:1 涡轮式 turbine form:3:1~4:1	1:2~2:1

TAILONG MACHINERY

4、搅拌器型号标注方法 Earmark procedure of agitator mode



5、搅拌器型号一览表 Mode list of agitator

序号 No.	搅拌器型式名称 mode name	代号 code
001	平直叶整体桨式（HG5-220-65) even straight leaf holistic oar form	PJ
002	平直叶可拆桨式（HG5-220-65) even straight leaf knock-down oar form	PCJ
003	斜叶整体桨式 SB90-278 skew leaf holistic oar form	XJ
004	斜叶可拆桨式 SB90-279 skew leaf knock-down oar form	ZJ
005	E 型折叶桨式 E type two-double leaf oar form	EJ
006	E 型折叶可拆桨式 E type two-double leaf knock-down oar form	ECJ
007	G 型折叶桨式 G type two-double leaf oar form	GJ
008	G 型折叶可拆桨式 G type two-double leaf knock-down oar form	GCJ
009	S 型双折叶桨式 S type bidirectional two-double leaf oar form	SJ
010	S 型双折叶可拆桨式 S type bidirectional two-double leaf knock-down oar form	SCJ
011	C 型双折叶桨式 C type bidirectional two-double oar form	CJ
012	C 型双折叶可拆桨式 C type bidirectional two-double knock-down oar form	CCJ
013	曲边斜叶整体桨式 curly edge skew leaf holistic oar form	QJ
014	曲边斜叶可拆桨式 curly edge skew leaf knock-down oar form	QCJ
015	菱臂弧叶整体桨式 rhombic arm fox leaf holistic oar form	BJ
016	菱臂弧叶可拆桨式 rhombic arm fox leaf knock-down oar form	BCJ
017	花板孔整体桨式 motley board-hole holistic oar form	FJ
018	花板孔可拆桨式 motley board-hole knock-down oar form	FCJ
019	六直叶整体开启涡轮式 SB90-282 six straight leaves holistic opening turbine form	PK

序号 No.	搅拌器型式名称 mode name	代号 code
020	六直叶可拆开启涡轮式 SB90-283 six straight leaves knock-down opening turbine form	PCK
021	六直叶稳定环开启涡轮式 six straight leaves steady ring opening turbine form	PKW
022	六窄叶整体开启涡轮式 SB90-286 six confined leaves holistic opening turbine form	PZK
023	六窄叶可拆开启涡轮式 SB90-287 six confined leaves knock-down opening turbine form	PKZ
024	六窄叶稳定环开启涡轮式 six confined leaves steady ring opening turbine form	PZW
025	六弯叶开启涡轮式 six curly leaves opening turbine form	WK
026	六弯窄叶开启涡轮式 six curly confined leaves opening turbine form	WZK
027	六弯叶稳定环开启涡轮式 six curly leaves steady ring opening turbine form	WKW
028	六斜窄叶稳定环开启涡轮式 six skew confined leaves steady ring opening turbine form	WWK
029	六斜叶整体开启涡轮式 SB90-284 six skew leaves holistic opening turbine form	XK
030	六斜叶可拆开启涡轮式 SB90-285 six skew leaves knock-down opening turbine form	XKK
031	六斜叶稳定环开启涡轮式 six skew leaves steady ring opening turbine form	XKW
032	六斜窄叶整体开启涡轮式 six skew confined holistic opening turbine form	XZK
033	六斜窄叶可拆开启涡轮式 six skew confined knock-down opening turbine form	XKZ
034	六斜窄叶稳定环开启涡轮式 six skew confined steady ring opening turbine form	XZW
035	四斜叶整体开启涡轮式 four skew leaves holistic opening turbine form	MK
036	四斜叶可拆开启涡轮式 four skew leaves knock-down opening turbine form	XCK
037	四斜叶整体稳定器开启涡轮式 four skew leaves holistic stabilizator opening turbine form	MKW
038	四斜叶可拆稳定器开启涡轮式 four skew leaves knock-down stabilizator opening turbine form	XCW

序号 No.	搅拌器型式名称 mode name	代号 code
039	四斜窄叶整体开启涡轮式 four skew confined leaves holistic opening turbine form	NK
040	四斜窄叶可拆开启涡轮式 four skew confined leaves knock-down opening turbine form	NCK
041	四斜窄叶整体稳定器开启涡轮式 four skew confined leaves holistic stabilizator opening turbine form	NKW
042	四斜窄叶可拆稳定器开启涡轮式 four skew confined leaves knock-down stabilizator opening turbine form	NCW
043	四叶 T 型开启涡轮式 four leaves T type opening turbine form	TCK
044	三斜窄叶整体开启涡轮式 three skew confined leaves holistic opening turbine form	YK
045	三斜窄叶可拆开启涡轮式 three skew confined leaves knock-down opening turbine form	YCK
046	三斜叶整体稳定器开启涡轮式 three skew leaves holistic stabilizator opening turbine form	YKW
047	三斜叶可拆稳定器开启涡轮式 three skew leaves knock-down stabilizator opening turbine form	YCW
048	三斜窄叶整体开启涡轮式 three skew confined leaves holistic opening turbine form	ZK
049	三斜窄叶可拆开启涡轮式 three skew confined leaves knock-down opening turbine form	ZCK
050	三斜窄叶整体稳定器开启涡轮式 three skew confined leaves holistic stabilizator opening turbine form	ZKW
051	三斜窄叶可拆稳定器开启涡轮式 three skew confined leaves knock-down stabilizator opening turbine form	ZCW
052	平直叶圆盘涡轮式 HG5-221-65 even straight leaf disk turbine form	PY
053	平直叶对开圆盘涡轮式 SB90-280 even straight leaf folio disk turbine form	PDY
054	斜叶圆盘涡轮式 SB90-281 skew leaf disk turbine form	ZY
055	斜叶对开圆盘涡轮式 skew leaf folio disk turbine form	ZDY
056	弯叶圆盘涡轮式 curly leaf disk turbine form	WY
057	弯叶可拆圆盘涡轮式 curly leaf knock-down disk turbine form	WCY
058	弯叶对开圆盘涡轮式 curly leaf folio disk turbine form	XDY
059	弯叶可拆对开圆盘涡轮式 curly leaf knock-down folio disk turbine form	WKY
060	螺距叶圆盘涡轮式 pitch leaf disk turbine form	LY
061	螺距叶可拆圆盘涡轮式 pitch leaf knock-down disk turbine form	LCY
062	螺距叶对开圆盘涡轮式 pitch leaf folio disk turbine form	LDY
063	螺距叶可拆对开圆盘涡轮式 pitch leaf knock-down folio disk turbine form	LKY
064	半圆弧圆盘涡轮式 half fox disk turbine form	HY
065	半圆弧可拆圆盘涡轮式 half fox knock-down disk turbine form	HCY
066	半圆弧对开圆盘涡轮式 half fox folio disk turbine form	HDY
067	半圆弧可拆对开圆盘涡轮式 half fox knock-down folio disk turbine form	HKY
068	箭叶圆盘涡轮式 arrow leaf disk turbine form	JY
069	箭叶可拆圆盘涡轮式 arrow leaf knock-down disk turbine form	JCY

序号 No.	搅拌器型式名称 mode name	代号 code
070	箭叶对开圆盘涡轮式 arrow folio disk turbine form	JDY
071	箭叶可拆对开圆盘涡轮式 arrow knock-down disk turbine form	JKY
072	平齿形圆盘涡轮式 even tooth disk turbine form	CY
073	翻齿形圆盘涡轮式 turnover tooth disk turbine form	FY
074	贴齿形圆盘涡轮式 adnate tooth disk turbine form	TY
075	三叶左旋推进式 SB90-290 SB90-291 three revolved left leaves advance form	TXL
076	三叶右旋推进式 HG-222-65 three revolved right leaves advance form	TXR
077	三叶左旋稳定环推进式 three revolved left leaves steady ring advance form	TWL
078	三叶右旋稳定环推进式 three revolved right leaves steady ring advance form	TWR
079	三叶左旋导流筒推进式 three revolved left leaves leading flow canister advance form	TVL
080	三叶右旋导流筒推进式 three revolved right leaves leading flow canister advance form	TVR
081	三叶焊接左旋推进式 three welding revolved left leaves advance form	HXL
082	三叶焊接右旋推进式 three welding revolved right leaves advance form	HXR
083	三叶焊接左旋稳定环推进式 three welding revolved left leaves steady ring advance form	HWL
084	三叶焊接右旋稳定环推进式 three welding revolved right leaves steady ring advance form	HWR
085	三叶焊接左旋导流筒推进式 three welding revolved left leaves leading flow canister advance form	HVL
086	三叶焊接右旋导流筒推进式 three welding revolved right leaves leading flow canister advance form	HVR
087	三叶可调左旋推进式 three adjustable revolved left leaves advance form	TTL
088	三叶可调右旋推进式 three adjustable revolved right leaves advance form	TTR
089	三叶可拆左旋推进式 three knock-down revolved left leaves advance form	TCL
090	三叶可拆右旋推进式 three knock-down revolved right leaves advance form	TCR
091	高效轴流旋桨左旋式 high efficiency flow revolving oar revolved left	GXL
092	高效轴流旋桨右旋式 high efficiency flow revolving oar revolved right	GXR
093	四叶左旋推进式 four revolved left advance form	SXL
094	四叶右旋推进式 four revolved right advance form	SXR
095	四叶左旋稳定环推进式 four revolved left leaves steady ring advance form	SWL
096	四叶右旋稳定环推进式 four revolved right leaves steady ring advance form	SWR
097	四叶左旋导流筒推进式 four revolved left leaves leading flow canister	SVL
098	四叶右旋导流筒推进式 four revolved right leaves leading flow canister	SVR
099	三宽叶整体旋桨式 three wide leaves holistic revolving oar form	KHX
100	三宽叶可拆旋桨式 three wide leaves knock-down revolving oar form	KCX

TAILONG MACHINERY

序号 No.	搅拌器型式名称 mode name	代号 code
101	三宽叶稳定环旋桨式 three wide leaves steady ring revolving oar form	KWY
102	三窄叶整体旋桨式 three confined holistic revolving oar form	ZHX
103	三窄叶可拆旋桨式 three confined knock-down revolving oar form	ZCX
104	三窄叶稳定环旋桨式 three confined steady ring revolving oar form	ZWX
105	四宽叶可拆旋桨式 four wide leaves knock-down revolving oar form	KSX
106	四窄叶可拆旋桨式 four confined leaves knock-down revolving oar form	ZSX
107	三叶后齿左旋式 three back tooth leaves revolved left form	CL
108	三叶后齿右旋式 three back tooth leaves revolved right form	CR
109	三叶后齿可拆左旋式 three back tooth leaves knock-down revolved left form	CCL
110	三叶后齿可拆右旋式 three back tooth leaves knock-down revolved right form	CCR
111	三叶翘曲左旋式 three warp leaves revolved left form	QL
112	三叶翘曲右旋式 three warp leaves revolved right form	QR
113	三叶翘曲可折左旋式 three warp leaves knock-down revolved left form	QCL
114	三叶翘曲可拆右旋式 three warp leaves knock-down revolved right form	QCR
115	三框叶刮板式 three frame leaves scraping board	KG
116	三叶后掠整体式 three retral curly leaves holistic form	HQ
117	三叶后掠可拆式 three retral curly leaves knock-down form	HCQ
118	四叶后掠整体式 four retral curly leaves holistic form	SQ
119	四叶后掠可拆式 four retral curly leaves knock-down form	SCQ
120	三叶锥底平桨式 three leaves fastigiate bottom even oar form	SZP
121	布尔马金式 buermajin form	BM
122	螺杆式 helix pole form	LG

序号 No.	搅拌器型式名称 mode name	代号 code
123	带导流筒螺杆式 helix pole with leading flow canister	LGH
124	螺带式 helix cincture form	LD
125	螺带螺杆式 helix cincture and helix pole form	LDG
126	锥底螺带式 fastigiate bottom helix	ZLD
127	锥底螺带螺杆式 fastigiate bottom helix cincture and helix pole form	ZLG
128	椭圆底框 HG5-757-78 elliptical bottom pane form	KS
129	直角锥底框式 square fastigiate bottom pane form	KSA
130	钝角锥底框式 an obtuse angle fastigiate bottom pane form	KSB
131	锚式 anchor form	MS
132	搪玻璃专用锚式 anchor for spreading over glass	TS
133	锚框式 anchor pane form	MKS
134	锚带式 anchor cincture form	MDS
135	方框式 pane form	FKS
136	方栅式 quadrate pale form	FSS
137	板框式 board pane form	BKS
138	消泡叶轮 banish froth impeller	XPJ
139	消泡桨 banish froth oar	XPJ
140	泵型曝气机 pump leak gas machine	BAY
141	伞型曝气机 umbrella leak gas machine	BDY
142	翼盘型曝气机 aerofoil leak gas machine	BQY
143	整体式稳定圬 holistic steady ring	WH
144	对开式稳定圬 folio steady ring	WF

双级摆线针轮减速器
double stage cyloidal pin wheel decelerator

单级立式摆线针轮减速器(带 JA 支架)
single stage vertical cycloidal pin wheel decelerator (with JA frame)

TAILONG MACHINERY

JXLD 型新型机架
JXLD type new frame

XDJ 型机架 (HG21566)
XDJ type frame

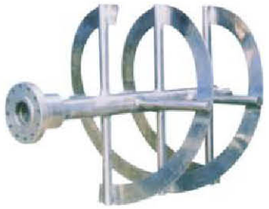
JA 型机架
JA type frame

JXLD 型机架
JXLD type frame

DJ 型机架
DJ type frame

FZ 型双支点方底板机架
FZ type double-support quadrate frame

SJ130 双支点机架
带 □150mm 搅拌轴
SJ130 double-support frame with □150mm mixer axle



螺带式搅拌器
Helix cincture type beater

SZ 型底轴承
SZ type bottom bearing

非标搅拌器
Nonstandard beater

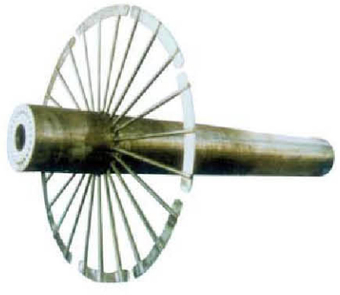
移动可调高速搅拌机
Floating adjustable high-speed blender

高速搅拌机
high-speed blender

KJ 系列可移式搅拌机
KJ series floating blender

高速搅拌机
High-speed blender

底入式搅拌机
bottom-entrance blender



搅拌器
Beater

TAILONG MACHINERY