



摆线针轮减速机



中国驰名商标
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TRADEMARK

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TAILONG MACHINERY

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

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



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.

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”等殊荣。在同行业中率先通过了国家AAAA标准化良好行为企业认证、一级安全质量标准化机械制造企业认证、GB/T19022-2003完善计量检测体系认证、ISO9001-2008质量体系认证、ISO14001-2004环境体系认证、OHSAS18001-1999职业健康安全认证。产品通过矿用产品安全标志认证、起重行业型式试验认可认证，泰隆牌商标被国家工商总局认定为中国驰名商标，泰隆牌减速机被评为中国名牌产品。

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

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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 series (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 series (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.

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.

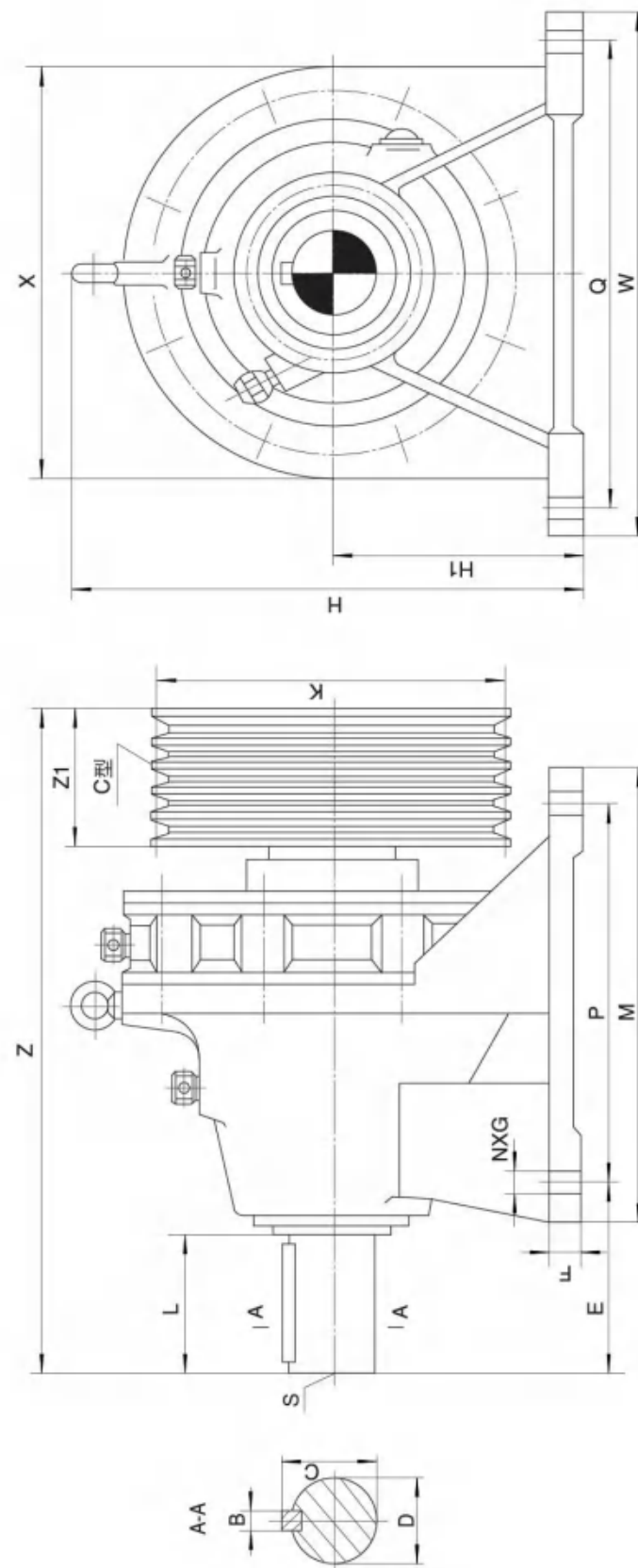
(一)、TSW 型减速机 TSW decelerator

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	输出轴轴径 D (h6) Output shaft diameter	传动比 Transmission ratio
TSW27	1600	200	70	
TSW33	3000	240	90	11, 17, 23, 29
TSW39	5000	280	100	35, 43, 59, 71, 87
TSW45	10000	325	110	

TSW 型外形及安装接口尺寸
Contour and installing size of TSW decelerator



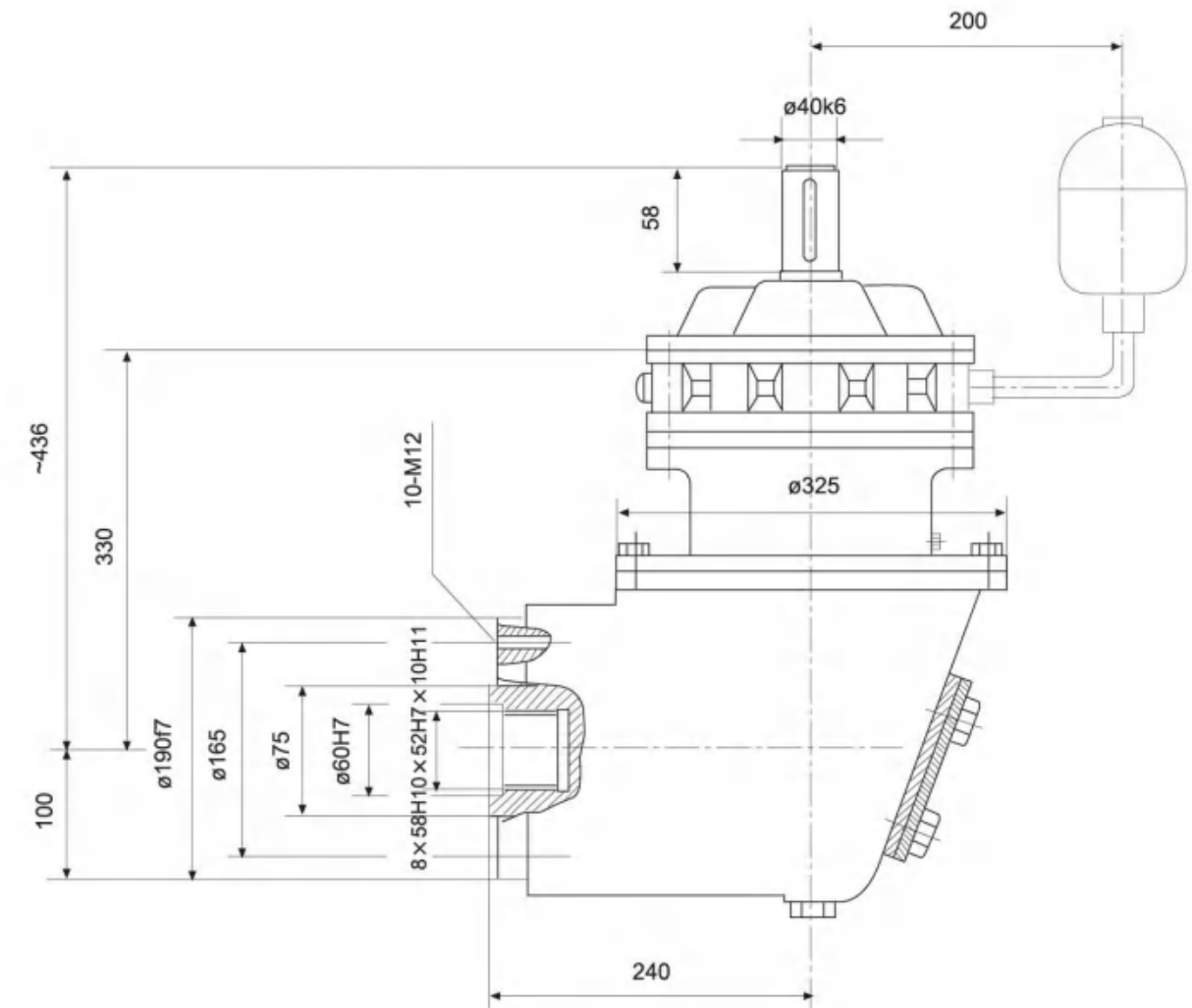
机 号 Type	许用转矩 Allowed torque N · m	Z	M	W	H	X	H ₁	E	F	P	Q	S	K	N×G	B	C	D	L	Z ₁
TSW27	1600	525	320	430	435	360	200	206	25	260	380	M12	260	4×ø22	20	74.5	70	113	82
TSW33	3000	655	400	490	520	435	240	173	25	340	440	M16	380	4×ø22	25	95	90	119	138
TSW39	5000	735	520	560	609	510	280	201	35	440	500	M20	380	4×ø26	28	106	100	138	138
TSW45	10000	804	600	690	706	580	325	245	45	500	630	M24	380	6×ø28	28	116	110	165	138

(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 $P = 7.5\text{KW}$ ，传动比为 $14.29 \left(9 \times \frac{27}{17} \right)$

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 $P=7.5\text{KW}$, 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 lengthened, 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

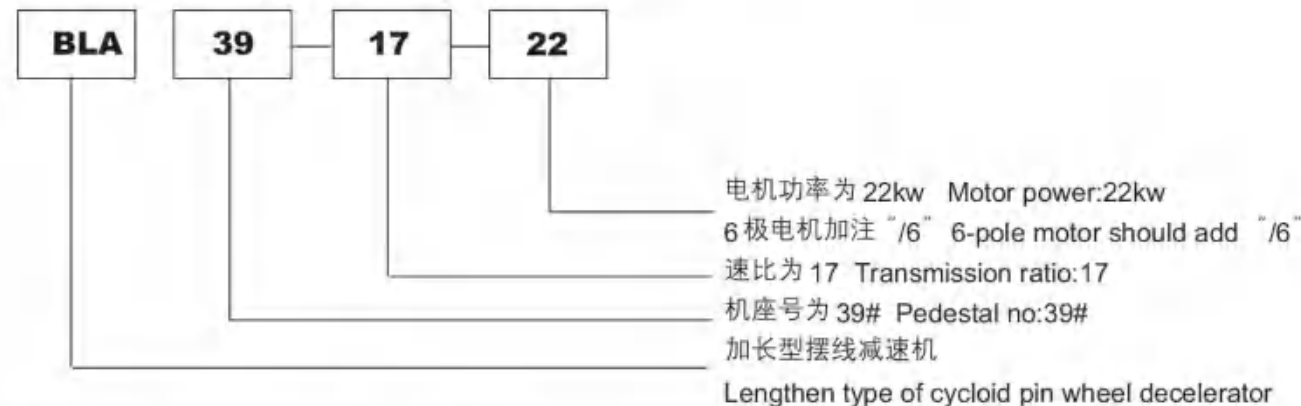
(I) Type Illustration

1. BLA is signed for decelerator type, means that it is derivative product of cycloid 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 illuminate 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.

加长型摆线针轮减速机 机座号及规格 Type and spec of lengthen cycloid pin wheel decelerator	电动机 Motor		机座号 Reducer type	输出转速 (r/min) The rotation of output shaft(r/min)																额定 扭矩 (N.m) Nominal torque
	型号 Type	功率 (kw) Power		161	132	112	87	85	69	63	56	50	41	34	31	28	25	20	17	
				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					○	○	○	○	○	○	○	○	○	△			
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							○	○	○	○	○	○	○	○	○	○	
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	22	○	○	○	○	○	○	○	○	○	△							
BLA18-i-3	Y100L2-4	3		○	○	○	○	○	○	○	○	○	△							
BLA22-i-1.1	Y90S-4	1.1		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
BLA22-i-1.5	Y90L-4	1.5						○	○	○	○	○	○	○	○	○	○	○	△	
BLA22-i-2.2	Y100L1-4	2.2	27							○	○	○	○	○	○	○	○	○	○	
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	33	○	○	○	○	△												
BLA27-i-2.2	Y100L2-4	2.2									○	○	○	○	○	○	○	○	○	
BLA27-i-3	Y112M-4	3						○	○	○	○	○	○	○	○	○	○	○	△	
BLA27-i-4	Y132S-4	4						○	○	○	○	○	○	○	○	○	○	△		
BLA27-i-5.5	Y132M-4	5.5	39																	
BLA27-i-7.5	Y160M-4	7.5		○	○	○	○	○	○	○	○	○	○	△						
BLA27-i-11	Y160L-4	11		○	○	○	○	○	○	○	○	○	○	△						
BLA33-i-4	Y180M-4	4									○	○	○	○	○	○	○	○	○	
BLA33-i-5.5	Y132S-4	5.5	46							○	○	○	○	○	○	○	○	○	△	
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	56																	
BLA39-i-5.5	Y132S-4	5.5									○	○	○	○	○	○	○	○	○	
BLA39-i-7.5	Y132M-4	7.5									○	○	○	○	○	○	○	○	○	
BLA39-i-11	Y160M-4	11												△	○	○	○	○	△	
BLA39-i-15	Y160L-4	15	87											○	○	○	△			
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 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/min)														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	56		○	○	○	○	△									14800	
BLA46-i-55	Y280M-6	55					△	△											
BLA56-i-18.5	Y200L1-6	18.5								○	○	○	○	○	○	○	○		○
BLA56-i-22	Y200L2-6	22	56				○	○	○	○	○	○	○	○	○	○	○	△	
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. "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.

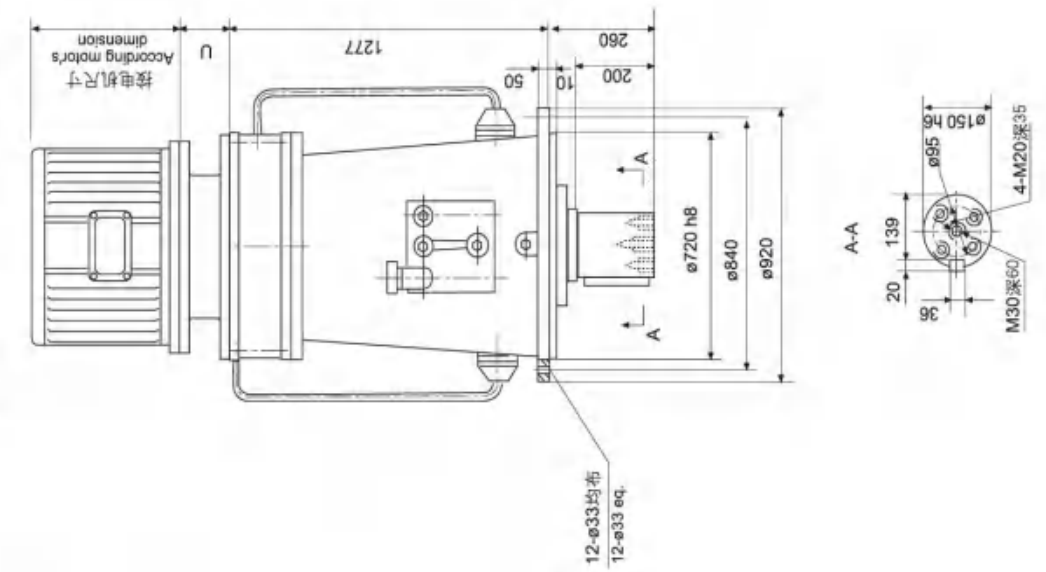
(III) BLA 型摆线针轮减速机的外形及安装尺寸: The contour and installation size of BLA

机型号 Reducer type	D	D1	D2	M	d(h)	b	c	E	I	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
BLA18	260	230	200	M42x1.5	45	14	48.5	89	82	4	20	6	14	107	486	P28
BLA22	340	310	270	M52x1.5	55	16	59	89	82	4	22	6	14	110	515	页附
BLA27	400	360	316	M68x2	70	20	74.5	114	105	5	25	8	18	134	585	表
BLA33	490	450	400	M85x2	90	25	95	140	130	6	30	12	18	168	690	(一)
BLA39	580	520	455	M95x2	100	28	106	177	165	8	35	12	23	202	832	

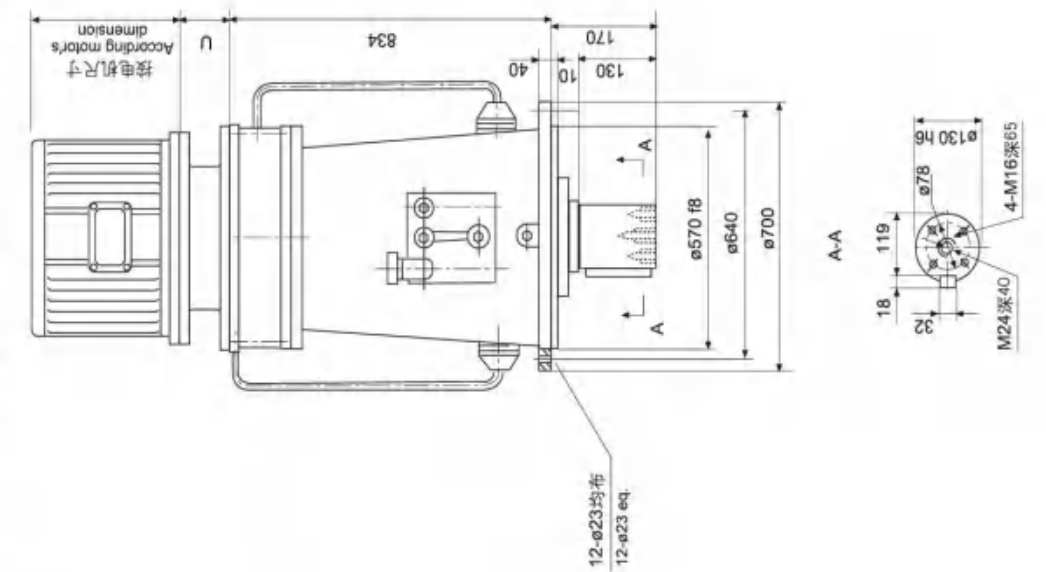


机型号 Reducer type	L	上轴承型号 Type of upper bearing	下轴承型号 Type of down bearing	参考重量(kg) Reference weight
BLA15	316	6210	22208	30
BLA18	350	6212	22311	52
BLA22	395	6315	22213	110
BLA27	442	6318	22217	170
BLA33	525	6322	22220	300
BLA39	615	6324	22222	495
BLA46	646	NJ228	23126	800
BLA56	800	NJ232	23130	1870

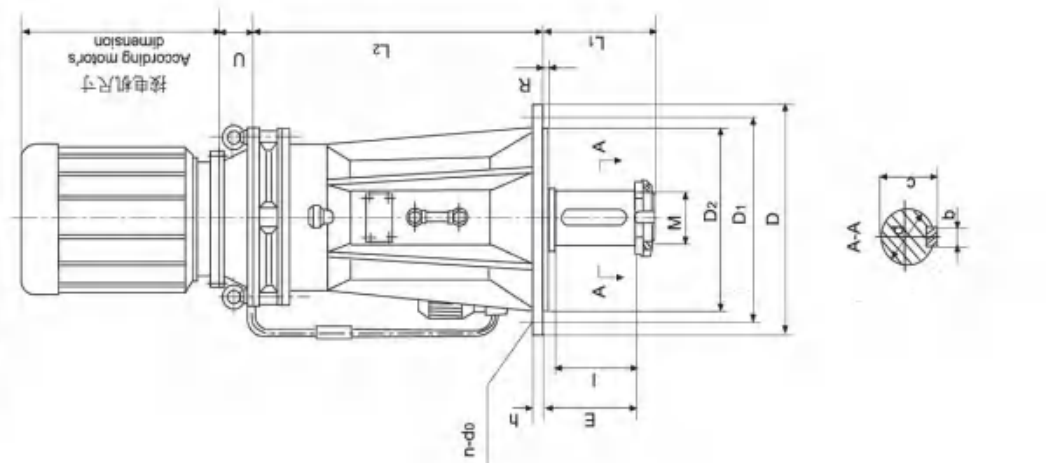
BLA56型摆线减速机外形安装图
Installation contour dia. of BLA56



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



The Accessory Frame of Vertical Cycloid Pin Wheel Reducer

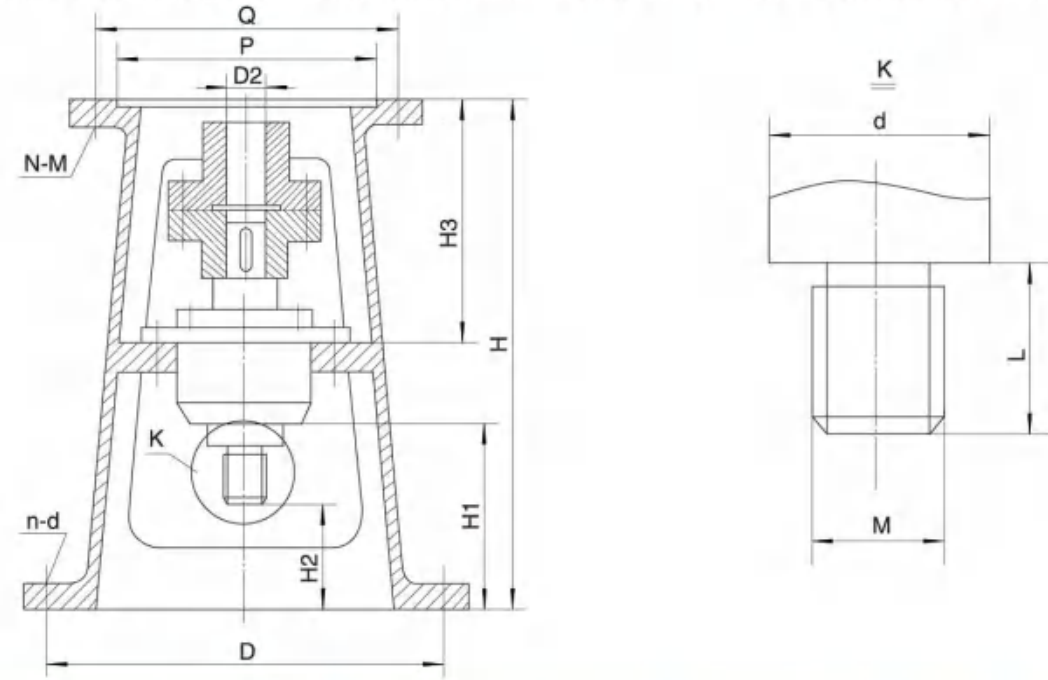
4. Double-support frame, when the frame without support and single-support frame is not suitable, should select double-support frame, But the down bearing of the double-support frame should be tapered core self-aligning roller bearing added adapter sleeve which vail for assembly and main tenance, and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

机型 frame type	减额机 reducer type	输入侧接口 inlet edge						输出侧接口 outlet edge						H ₁		H ₂		M	反扭矩容积 Volume (升)
		D ₁	D ₂	D ₃	h ₁	h ₂	n-d ₁	D ₄	D ₅	D ₆	h ₃	n-d ₂	H ₁	H ₂	H ₃	H ₄			
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	
															120	80	M60x4	1000	
JA II3	B22	340	310	270	22	6	6-14	320	400	460	22	4-20	323	117	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	

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°	n2-∅	H	重量(kg)weight	H	重量(kg)weight		
WJ	30	A	20	15	4	6	140	160	190	4-M10	240	285	315	I20	10-∅14	450	34	600	43		
LWJ		B			4	6	170	200	230	6-M10				II30	12-∅14						
WJ	35	A	24	15	5	6	170	200	230	6-M10	260	320	360	I20	10-∅14	500	46	650	54		
LWJ													II30	12-∅14							
WJ	40	A	24	15	4	6	200	230	260	6-M12	260	320	360	I20	10-∅14	500	46	650	54		
LWJ													II30	12-∅14							
WJ	45	A	24	15	5	6	200	230	260	6-M12	260	320	360	I20	10-∅14	500	49	650	57		
LWJ													II30	12-∅14							
WJ	55	A	30	20	6	6	270	310	340	6-M12	325	400	435	30	12-∅14	540	75	690	83		
LWJ		B																			
WJ	65	A	34	20	6	6	316	360	400	8-M16	350	420	460	30	12-∅18	600	96	750	107		
LWJ																					
WJ	70	A	34	20	6	6	316	360	400	8-M16	350	420	460	30	12-∅18	600	96	750	107		
LWJ		B																			
WJ	80	A	38	25	6	8	345	390	430	8-M16	380	455	495	30	12-∅18	640	130	790	139		
LWJ		B																			
WJ	90	A	40	25	7	8	400	450	490	12-M20	430	510	555	30	12-∅23	660	168	860	183		
LWJ		B																			
WJ	100	A	120	A	40	25	9	10	455	520	580	12-M20	480	560	600	22.5	16-∅23	700	205	900	224
LWJ		B																			
WJ	110	A	120	A	40	30	11	10	520	590	650	12-M24	560	650	700	22.5	16-∅27	800	257	1000	274
LWJ		B				6															
WJ	130	A	140	A	44	30	11	10	680	800	880	12-M30	720	810	880	18	20-∅27	900	318	1200	365
LWJ		B				9															
WJ	150	A	160	A	50	35	14	12	760	920	1020	12-M30	840	940	1020	22.5	16-∅33	1000	420	1300	480
LWJ		B	</																		

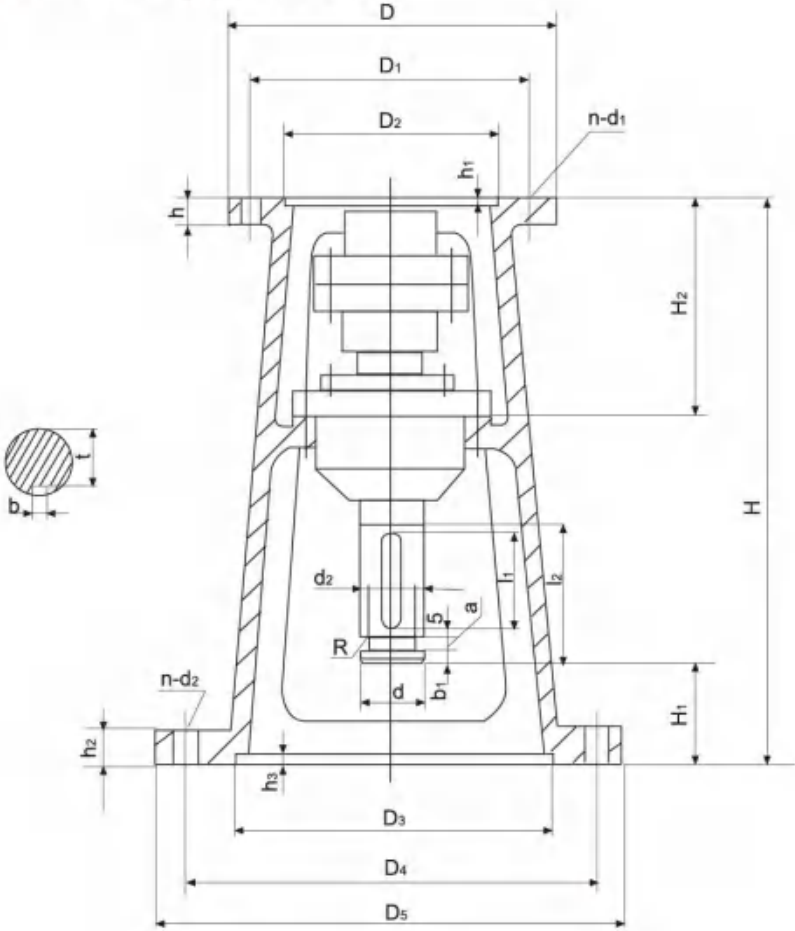
料架型号 frame work type	减速机 (BLY)	输入端接口 Inlet edge						输出端接口 Outlet edge						尺寸 dimension																反应罐 容积(升) volume (L)
		D	D ₁	D ₂	h	h ₂	n ₁ -d ₁	D ₃ (H ₆)	D ₄	D ₅	h ₃	h ₁	n ₂ -d ₂	H	H ₁	H ₂	H ₃	H ₄	H ₅	H ₆	H ₇	H ₈	H ₉	d ₃	d ₄	M ₀				
JBT ₁	15	230	200	170	18	5	6-ø12	220	270	305	7	20	4-ø24	514	157	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

(五)TJQ 型机架 TJQ type frame

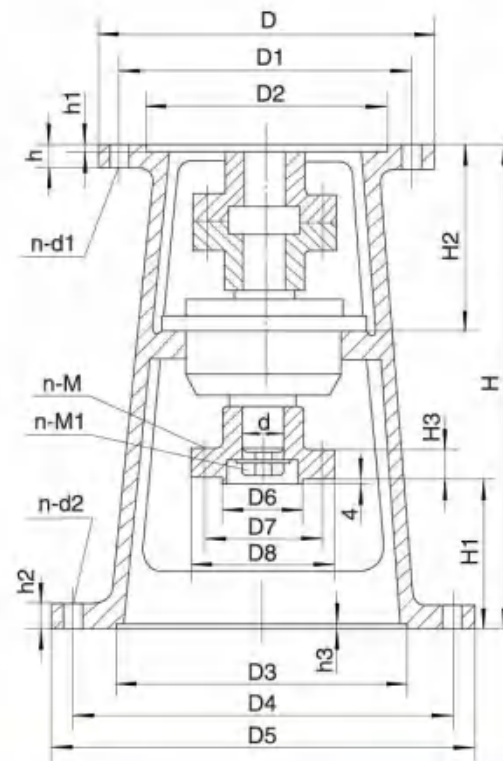


TJQ型机架 TJQ type frame

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

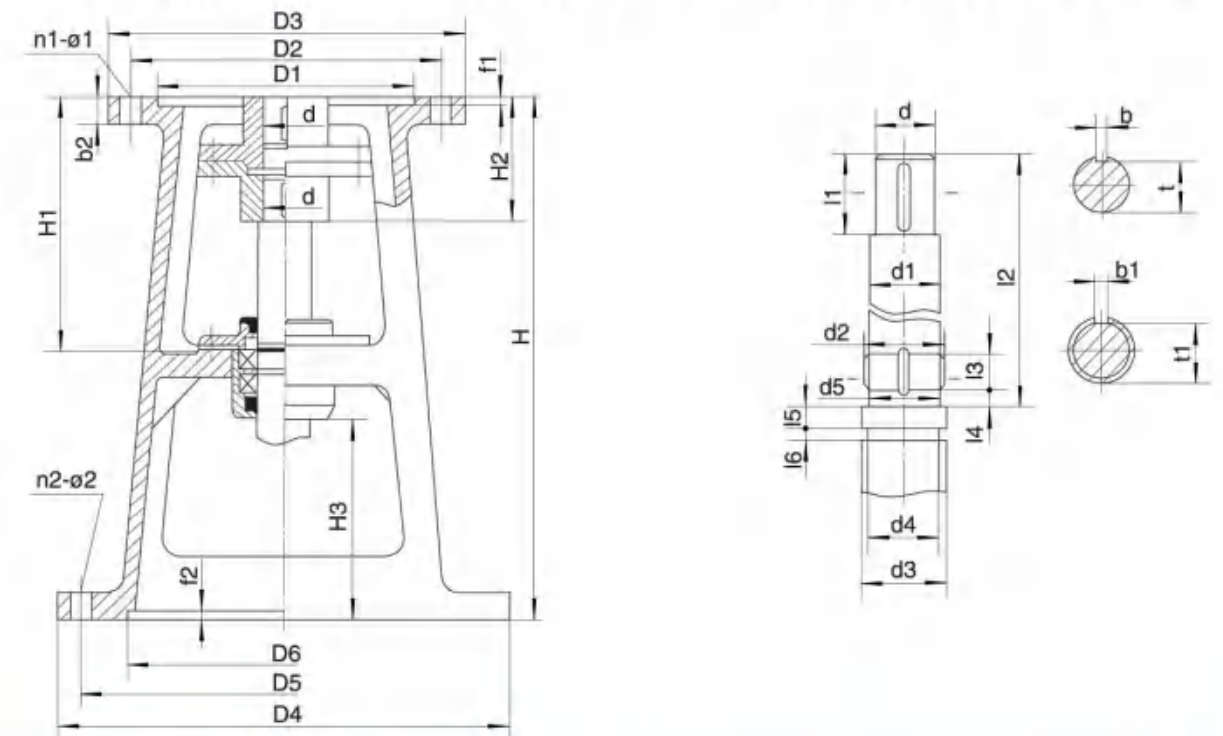
机架 型号 frame type	减速机 型号 reducer type	输出 轴d output shaft (h7)	输入端接口 inlet edge						输出端接口 outlet edge						H	H ₁	H ₂	L ₁	L ₂	a (H ₁₁)	b ₁	d ₂ (h ₁₁)	b	t
			D	D ₁	D ₂	h	h ₁	n-d ₁	D ₃	D ₄	D ₅	h ₂	h ₃	n-d ₂										
TJQ2	B15	35	230	200	170	18	5	6-12	250	300	335	20	7	4-24	517	173	175	55	85	5	4	30	10	30
TJQ3	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

JA connector parameters and size of TJ frame



机床型号 frame work type	转速 机 速 级 数 (BLY)	输入端接口 Inlet edge						输出端接口 Outlet edge															
		D	D ₁	D ₂	h	h ₁	n-d ₁	D ₃	D ₄	D ₅	h ₂	h ₃	n-d ₂	H	H ₁	H ₂	H ₃	d	D ₆	D ₇	D ₈	n-M	n-M ₁
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

Frame size of JXLD type decelerator



机架型号 frame work type	减速机输入接口 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	搅拌轴轴颈尺寸												stirring 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		

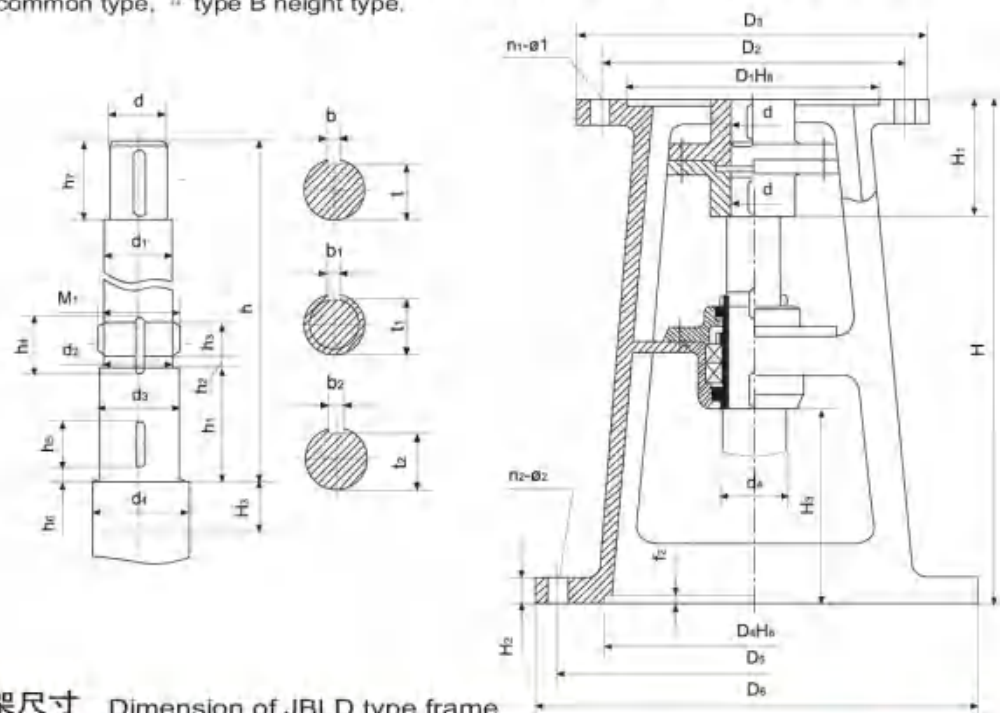
注: 本机架适用于与 XLD 型摆线针轮行星减速机联接, I 为普通型, II 为增高型。

Note: The frame is used to connect with XLD type cycloidal pin wheel decelerator. □ is common type, ▤ 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 cycloidal 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.

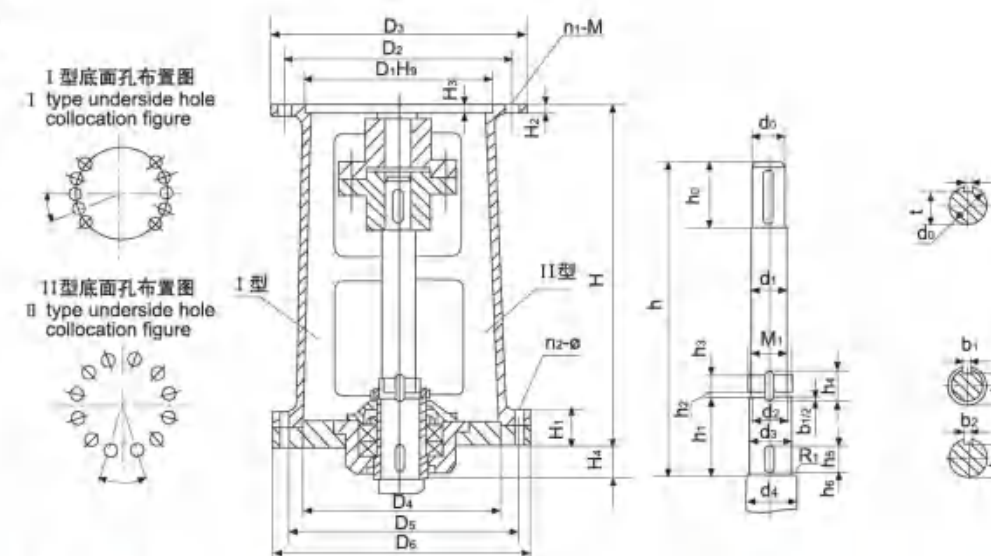


JBLD 型机架尺寸 Dimension of JBLD type frame

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	$n_2-\phi 2$	H_1	H_2	L_1	H	H_3	重量kg weight
JBLDJ1	B15	170	200	230	6- $\phi 12$	300	360	410	6- $\phi 18$	138	18	6	520	158	55
JBLDJ2	B18	200	230	260	6- $\phi 14$	335	400	450	6- $\phi 18$	182	18	6	570	167	84
JBLDJ3	B22	270	310	340	6- $\phi 14$	385	450	500	8- $\phi 18$	220	24	8	650	167	115
JBLDJ4	B27	316	360	400	8- $\phi 18$	410	480	530	12- $\phi 18$	257	24	8	660	161	138
JBLDJ5	B33	400	450	490	12- $\phi 22$	430	510	565	12- $\phi 22$	306	28	8	800	199	208
JBLDJ6	B39	455	520	580	12- $\phi 22$	455	520	580	12- $\phi 22$	332	30	10	810	203	235
JBLDJ7	B45	520	590	650	12- $\phi 27$	520	590	650	12- $\phi 22$	350	30	12	830	252	300
JBLDJ8	B55	680	800	880	12- $\phi 37$	680	800	880	12- $\phi 37$	400	45	12	860	200	480

机架型号 frame type	联轴器轴端尺寸 shaft end dimension of coupler																				配联轴器型号 coupling type	
	d	d ₁	M ₁	d ₂	d ₃ (kg)	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

(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	输入轴接口 inlet edge			n_1-M	输出轴接口 outlet edge			d_1	$n_2-\phi$
						D_1	D_2	D_3		D_4	D_5	D_6		
DXJ30	A	470	40	15	4	45	140	160	190	4-M10	240	285	315	120
	B						200	230	260	6-M12				1130
DXJ35	A	524	48	15	5	47	170	200	230	6-M10	260	320	360	120
														1130
DXJ40	A	524	48	15	4	47	200	230	260	6-M12	260	320	360	120
														1130
DXJ45	A	524	48	15	5	49	200	230	260	6-M12	260	320	360	120
														1130
DXJ55	A	570	60	20	6	47	270	310	340	6-M12	325	400	435	30
DXJ65	A	634	68	20	6	58	316	360	400	8-M16	350	420	460	30
DXJ70	A	634	68	20	6	58	316	360	400	8-M16	350	420	460	30
DXJ80	A	678	76	25	6	70	345	390	430	8-M16	380	455	495	30
DXJ90	A	700	80	25	7	72	400	450	490	12-M20	430	510	555	30
DXJ100	A	740	80	25	9	76	455	520	580	12-M20	480	560	600	22.5
DXJ110	A	840	80	30	11	76	520	590	650	12-M20	560	650	700	22.5
DXJ120	A	840	80	30	11	76	520	590	650	12-M24	560	650	700	22.5
DXJ130	A	950	94	30	11	85	680	800	880	12-M30	720	810	880	18
DXJ140	A	950	94	30	11	85	680	800	880	12-M30	720	810	880	18
DXJ150	A	950	94	35	14	85	760	920	1020	12-M30	840	940	1020	22.5
DXJ160	A	950	100	35	14	95	760	920	1020	12-M30	840	940	1020	22.5
DXJ180	A	1050	100	40	14	115	900	1020	1160	8-M36	970	1080	1160	18

机架代号 frame code	h[A/B]	n ₂	n ₁	n ₂	n ₃	n ₄	n ₅	n ₆	n ₇	n ₈	n ₉	n ₁₀	n ₁₁	n ₁₂	n ₁₃	n ₁₄	n ₁₅	n ₁₆	n ₁₇	n ₁₈	n ₁₉	n ₂₀	重量 weight
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 B	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 B	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 B	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 B	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 B	619	155	178	4	24	42	60	3	110	112	112	M115x2	115	125	28	100	14	109	14	109.5	505		
DXJ120 A B	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 B	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 速机型	210	208	4	32	46	70	3	150	155	156	M160x3	160	170	36	138	16	152	16	154	708		
DXJ160 A B	号而定	210	227	4	32	50	80	3	160	165	166	M170x3	170	180	40	147	16	162	16	164	930		
DXJ180 A B		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.

机架 型号 frame type	减速机 型号 reducer type	D ₁	D ₂	D ₃ (H ₁)	D ₄ (H ₂)	D ₅	D ₆	n ₁ -d ₁	n ₂ -d ₂	H	H ₁	H ₂	H ₃	H ₄	H ₅	H ₆	H ₇	H ₈
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	MD	(kg)	e	f	f ₁	f ₂	f ₁₁	f ₁₂
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

Technical drawing of a mechanical assembly, likely a valve or actuator, showing dimensions and components. The drawing includes the following labels and dimensions:

- Dimensions:**
 - D : Overall diameter at the top.
 - D_1 : Diameter of the upper flange.
 - D_2 : Diameter of the lower flange.
 - h_1 : Height of the upper flange.
 - h_2 : Height of the lower flange.
 - H_1 : Total height of the upper assembly.
 - h_3 : Height of the lower flange.
 - H_2 : Height of the lower assembly.
 - H_3 : Height of the lower assembly.
 - H_4 : Height of the lower assembly.
 - H : Height of the lower assembly.
- Components and Features:**
 - $n-d_1$: Number and diameter of holes in the upper flange.
 - $n-d_2$: Number and diameter of holes in the lower flange.
 - ϕ : Diameter of the central shaft.
 - ϕ_1 : Diameter of the lower shaft.
 - ϕ_2 : Diameter of the lower shaft.
 - I** and **II**: Labels for the lower shaft components.

机架型号 frame type	减速机 机型号 reducer type	输入端接口 Input shaft						输出端接口 Output shaft						尺寸 Size							
		D	D ₁	D ₁ (H9)	h ₁	h ₁ ₁	n-d ₁	D ₂	D ₂ ₁	n-d ₂	h ₂	φ	φ ₁	φ ₂	H ₁	H ₂	H ₃	H ₄	A		
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			

Please show in order if you have special request to output shaft length

1 型底面孔布置图
position of 1 type hole

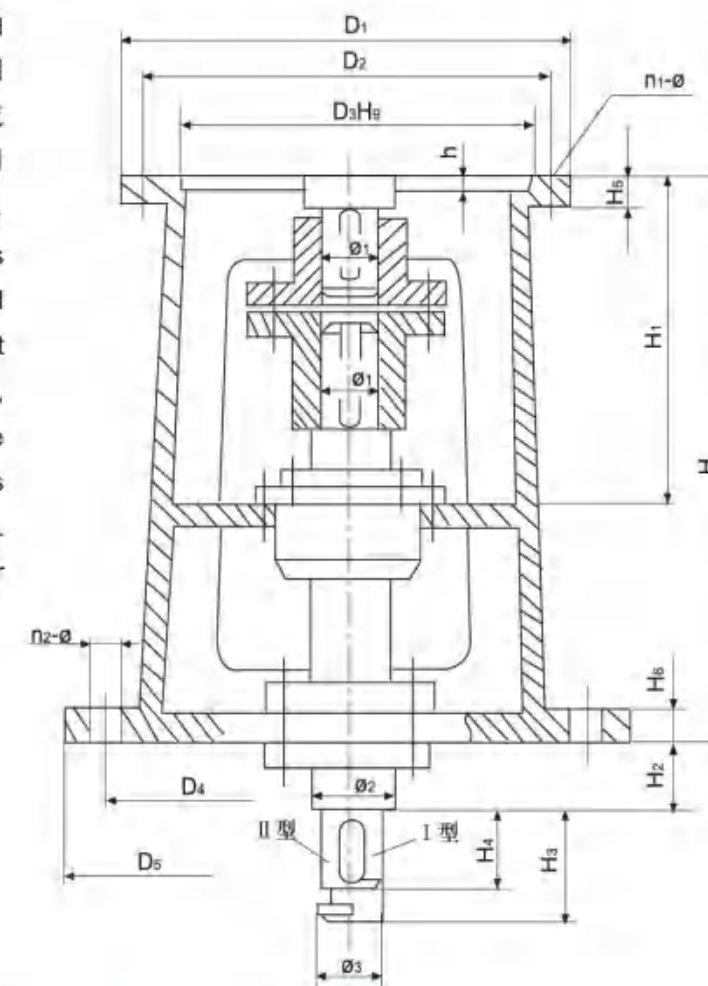
0 型底面孔布置图
position of 0 type hole

Technical drawing showing the layout of 1-type holes. The drawing includes a top view and a cross-sectional view. The top view shows a circular hole with diameter d_0 and a central pin with diameter d_2 . The cross-sectional view shows a hole with diameter d_1 and a central pin with diameter d_2 . The drawing also shows a hole with diameter d_3 and a central pin with diameter d_4 . The drawing includes dimensions for hole diameters (d_0, d_1, d_2, d_3, d_4), hole depths (h_0, h_1, h_2, h_3), and hole positions (b, b_1, b_2).

机型名称 frame work type	型号 type	尺寸系列 reduce filter size				轴径规格 shaft type				H ₁	H ₂	H ₃	H ₄	H ₅	
		D ₁	D ₂	D ₃	n ₁ -M	D ₄	D ₅	D ₆	a						n - o
DJ(LDJ)30 A	B12	140	160	190	4-M10	240	285	315	120	10-ø14	320	15	20	6	6
	B15	170	200	230	6-M10				130	12-ø14					
DJ(LDJ)35A	B15	170	200	230	6-M10	260	320	360	120	10-ø14	334	15	20	6	6
									130	12-ø14					
DJ(LDJ)40A	B18	200	230	260	6-M12	260	320	360	120	10-ø14	334	15	20	6	6
									130	12-ø14					
DJ(LDJ)45A	B18	200	230	260	6-M12	260	320	360	120	10-ø14	338	15	20	6	6
									130	12-ø14					
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	B27	316	360	400	8-M16	380	455	495	30	12-ø18	495	22	28	7	8
	B33	400	450	490	12-M20										
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

frame work type	frame work type																	frame work type										H (weight)		H (weight)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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₁₈₄	n ₁₈₅	n ₁₈₆	n ₁₈₇	n ₁₈₈	n ₁₈₉	n ₁₉₀	n ₁₉₁	n ₁₉₂	n ₁₉₃	n ₁₉₄	n ₁₉₅	n ₁₉₆	n ₁₉₇	n ₁₉₈	n ₁₉₉	n ₂₀₀	n ₂₀₁	n ₂₀₂	n ₂₀₃	n ₂₀₄	n ₂₀₅	n ₂₀₆	n ₂₀₇	n ₂₀₈	n ₂₀₉	n ₂₁₀	n ₂₁₁	n ₂₁₂	n ₂₁₃	n ₂₁₄	n ₂₁₅	n ₂₁₆	n ₂₁₇	n ₂₁₈	n ₂₁₉	n ₂₂₀	n ₂₂₁	n ₂₂₂	n ₂₂₃	n ₂₂₄	n ₂₂₅	n ₂₂₆	n ₂₂₇	n ₂₂₈	n ₂₂₉	n ₂₃₀	n ₂₃₁	n ₂₃₂	n ₂₃₃	n ₂₃₄	n ₂₃₅	n ₂₃₆	n ₂₃₇	n ₂₃₈	n ₂₃₉	n ₂₄₀	n ₂₄₁	n ₂₄₂	n ₂₄₃	n ₂₄₄	n ₂₄₅	n ₂₄₆	n ₂₄₇	n ₂₄₈	n ₂₄₉	n ₂₅₀	n ₂₅₁	n ₂₅₂	n ₂₅₃	n ₂₅₄	n ₂₅₅	n ₂₅₆	n ₂₅₇	n ₂₅₈	n ₂₅₉	n ₂₆₀	n ₂₆₁	n ₂₆₂	n ₂₆₃	n ₂₆₄	n ₂₆₅	n ₂₆₆	n ₂₆₇	n ₂₆₈	n ₂₆₉	n ₂₇₀	n ₂₇₁	n ₂₇₂	n ₂₇₃	n ₂₇₄	n ₂₇₅	n ₂₇₆	n ₂₇₇	n ₂₇₈	n ₂₇₉	n ₂₈₀	n ₂₈₁	n ₂₈₂	n ₂₈₃	n ₂₈₄	n ₂₈₅	n ₂₈₆	n ₂₈₇	n ₂₈₈	n ₂₈₉	n ₂₉₀	n ₂₉₁	n ₂₉₂	n ₂₉₃	n ₂₉₄	n ₂₉₅	n ₂₉₆	n ₂₉₇	n ₂₉₈	n ₂₉₉	n ₃₀₀	n ₃₀₁	n ₃₀₂	n ₃₀₃	n ₃₀₄	n ₃₀₅	n ₃₀₆	n ₃₀₇	n ₃₀₈	n ₃₀₉	n ₃₁₀	n ₃₁₁	n ₃₁₂	n ₃₁₃	n ₃₁₄	n ₃₁₅	n ₃₁₆	n ₃₁₇	n ₃₁₈	n ₃₁₉	n ₃₂₀	n ₃₂₁	n ₃₂₂	n ₃₂₃	n ₃₂₄	n ₃₂₅	n ₃₂₆	n ₃₂₇	n ₃₂₈	n ₃₂₉	n ₃₃₀	n ₃₃₁	n ₃₃₂	n ₃₃₃	n ₃₃₄	n ₃₃₅	n ₃₃₆	n ₃₃₇	n ₃₃₈	n ₃₃₉	n ₃₄₀	n ₃₄₁	n ₃₄₂	n ₃₄₃	n ₃₄₄	n ₃₄₅	n ₃₄₆	n ₃₄₇	n ₃₄₈	n ₃₄₉	n ₃₅₀	n ₃₅₁	n ₃₅₂	n ₃₅₃	n ₃₅₄	n ₃₅₅	n ₃₅₆	n ₃₅₇	n ₃₅₈	n ₃₅₉	n ₃₆₀	n ₃₆₁	n ₃₆₂	n ₃₆₃	n ₃₆₄	n ₃₆₅	n ₃₆₆	n ₃₆₇	n ₃₆₈	n ₃₆₉	n ₃₇₀	n ₃₇₁	n ₃₇₂	n ₃₇₃	n ₃₇₄	n ₃₇₅	n ₃₇₆	n ₃₇₇	n ₃₇₈	n ₃₇₉	n ₃₈₀	n ₃₈₁	n ₃₈₂	n ₃₈₃	n ₃₈₄	n ₃₈₅	n ₃₈₆	n ₃₈₇	n ₃₈₈	n ₃₈₉	n ₃₉₀	n ₃₉₁	n ₃₉₂	n ₃₉₃	n ₃₉₄	n ₃₉₅	n ₃₉₆	n ₃₉₇	n ₃₉₈	n ₃₉₉	n ₄₀₀	n ₄₀₁	n ₄₀₂	n ₄₀₃	n ₄₀₄	n ₄₀₅	n ₄₀₆	n ₄₀₇	n ₄₀₈	n ₄₀₉	n ₄₁₀	n ₄₁₁	n ₄₁₂	n ₄₁₃	n ₄₁₄	n ₄₁₅	n ₄₁₆	n ₄₁₇	n ₄₁₈	n ₄₁₉	n ₄₂₀	n ₄₂₁	n ₄₂₂	n ₄₂₃	n ₄₂₄	n ₄₂₅	n ₄₂₆	n ₄₂₇	n ₄₂₈	n ₄₂₉	n ₄₃₀	n ₄₃₁	n ₄₃₂	n ₄₃₃	n ₄₃₄	n ₄₃₅	n ₄₃₆	n ₄₃₇	n ₄₃₈	n ₄₃₉	n ₄₄₀	n ₄₄₁	n ₄₄₂	n ₄₄₃	n ₄₄₄	n ₄₄₅	n ₄₄₆	n ₄₄₇	n ₄₄₈	n ₄₄₉	n ₄₅₀	n ₄₅₁	n ₄₅₂	n ₄₅₃	n ₄₅₄	n ₄₅₅	n ₄₅₆	n ₄₅₇	n ₄₅₈	n ₄₅₉	n ₄₆₀	n ₄₆₁	n ₄₆₂	n ₄₆₃	n ₄₆₄	n ₄₆₅	n ₄₆₆	n ₄₆₇	n ₄₆₈	n ₄₆₉	n ₄₇₀	n ₄₇₁	n ₄₇₂	n ₄₇₃	n ₄₇₄	n ₄₇₅	n ₄₇₆	n ₄₇₇	n ₄₇₈	n ₄₇₉	n ₄₈₀	n ₄₈₁	n ₄₈₂	n ₄₈₃	n ₄₈₄	n ₄₈₅	n ₄₈₆	n ₄₈₇	n ₄₈₈	n ₄₈₉	n ₄₉₀	n ₄₉₁	n ₄₉₂	n ₄₉₃	n ₄₉₄	n ₄₉₅	n ₄₉₆	n ₄₉₇	n ₄₉₈	n ₄₉₉	n ₅₀₀	n ₅₀₁	n ₅₀₂	n ₅₀₃	n ₅₀₄	n ₅₀₅	n ₅₀₆	n ₅₀₇	n ₅₀₈	n ₅₀₉	n ₅₁₀	n ₅₁₁	n ₅₁₂	n ₅₁₃	n ₅₁₄	n ₅₁₅	n ₅₁₆	n ₅₁₇	n ₅₁₈	n ₅₁₉	n ₅₂₀	n ₅₂₁	n ₅₂₂	n ₅₂₃	n ₅₂₄	n ₅₂₅	n ₅₂₆	n ₅₂₇	n ₅₂₈	n ₅₂₉	n ₅₃₀	n ₅₃₁	n ₅₃₂	n ₅₃₃	n ₅₃₄	n ₅₃₅	n ₅₃₆	n ₅₃₇	n ₅₃₈	n ₅₃₉	n ₅₄₀	n ₅₄₁	n ₅₄₂	n ₅₄₃	n ₅₄₄	n ₅₄₅	n ₅₄₆	n ₅₄₇	n ₅₄₈	n ₅₄₉	n ₅₅₀	n ₅₅₁	n ₅₅₂	n ₅₅₃	n ₅₅₄	n ₅₅₅	n ₅₅₆	n ₅₅₇	n ₅₅₈	n ₅₅₉	n ₅₆₀	n ₅₆₁	n ₅₆₂	n ₅₆₃	n ₅₆₄	n ₅₆₅	n ₅₆₆	n ₅₆₇	n ₅₆₈	n ₅₆₉	n ₅₇₀	n ₅₇₁	n ₅₇₂	n ₅₇₃	n ₅₇₄	n ₅₇₅	n ₅₇₆	n ₅₇₇	n ₅₇₈	n ₅₇₉	n ₅₈₀	n ₅₈₁	n ₅₈₂	n ₅₈₃	n ₅₈₄	n ₅₈₅	n ₅₈₆	n ₅₈₇	n ₅₈₈	n ₅₈₉	n ₅₉₀	n ₅₉₁	n ₅₉₂	n ₅₉₃	n ₅₉₄	n ₅₉₅	n ₅₉₆	n ₅₉₇	n ₅₉₈	n ₅₉₉	n ₆₀₀	n ₆₀₁	n ₆₀₂	n ₆₀₃	n ₆₀₄	n ₆₀₅	n ₆₀₆	n ₆₀₇	n ₆₀₈	n ₆₀₉	n ₆₁₀	n ₆₁₁	n ₆₁₂	n ₆₁₃	n ₆₁₄	n ₆₁₅	n ₆₁₆	n ₆₁₇	n ₆₁₈	n ₆₁₉	n ₆₂₀	n ₆₂₁	n ₆₂₂	n ₆₂₃	n ₆₂₄	n ₆₂₅	n ₆₂₆	n ₆₂₇	n ₆₂₈	n ₆₂₉	n ₆₃₀	n ₆₃₁	n ₆₃₂	n ₆₃₃	n ₆₃₄	n ₆₃₅	n ₆₃₆	n ₆₃₇	n ₆₃₈	n ₆₃₉	n ₆₄₀	n ₆₄₁	n ₆₄₂	n ₆₄₃	n ₆₄₄	n ₆₄₅	n ₆₄₆	n ₆₄₇	n ₆₄₈	n ₆₄₉	n ₆₅₀	n ₆₅₁	n ₆₅₂	n ₆₅₃	n ₆₅₄	n ₆₅₅	n ₆₅₆	n ₆₅₇	n ₆₅₈	n ₆₅₉	n ₆₆₀	n ₆₆₁	n ₆₆₂	n ₆₆₃	n ₆₆₄	n ₆₆₅	n ₆₆₆	n ₆₆₇	n ₆₆₈	n ₆₆₉	n ₆₇₀	n ₆₇₁	n ₆₇₂	n ₆₇₃	n ₆₇₄	n ₆₇₅	n ₆₇₆	n ₆₇₇	n ₆₇₈	n ₆₇₉	n ₆₈₀	n ₆₈₁	n ₆₈₂	n ₆₈₃	n ₆₈₄	n ₆₈₅	n ₆₈₆	n ₆₈₇	n ₆₈₈	n ₆₈₉	n ₆₉₀	n ₆₉₁	n ₆₉₂	n ₆₉₃	n ₆₉₄	n ₆₉₅	n ₆₉₆	n ₆₉₇	n ₆₉₈	n ₆₉₉	n ₇₀₀	n ₇₀₁	n ₇₀₂	n ₇₀₃	n ₇₀₄	n ₇₀₅	n ₇₀₆	n ₇₀₇	n ₇₀₈	n ₇₀₉	n ₇₁₀	n ₇₁₁	n ₇₁₂	n ₇₁₃	n ₇₁₄	n ₇₁₅	n ₇₁₆	n ₇₁₇	n ₇₁₈	n ₇₁₉	n ₇₂₀	n ₇₂₁	n ₇₂₂	n ₇₂₃	n ₇₂₄	n ₇₂₅	n ₇₂₆	n ₇₂₇	n ₇₂₈	n ₇₂₉	n ₇₃₀	n ₇₃₁	n ₇₃₂	n ₇₃₃	n ₇₃₄	n ₇₃₅	n ₇₃₆	n ₇₃₇	n ₇₃₈	n ₇₃₉	n ₇₄₀	n ₇₄₁	n ₇₄₂	n ₇₄₃	n ₇₄₄	n ₇₄₅	n ₇₄₆	n ₇₄₇	n ₇₄₈	n ₇₄₉	n ₇₅₀	n ₇₅₁	n ₇₅₂	n ₇₅₃	n ₇₅₄	n ₇₅₅	n ₇₅₆	n ₇₅₇	n ₇₅₈	n ₇₅₉	n ₇₆₀	n ₇₆₁	n ₇₆₂	n ₇₆₃	n ₇₆₄	n ₇₆₅	n ₇₆₆	n ₇₆₇	n ₇₆₈	n ₇₆₉	n ₇₇₀	n ₇₇₁	n ₇₇₂	n ₇₇₃	n ₇₇₄	n ₇₇₅	n ₇₇₆	n ₇₇₇	n ₇₇₈	n ₇₇₉	n ₇₈₀	n ₇₈₁	n ₇₈₂	n ₇₈₃	n ₇₈₄	n ₇₈₅	n ₇₈₆	n ₇₈₇	n ₇₈₈	n ₇₈₉	n ₇₉₀	n ₇₉₁	n ₇₉₂	n ₇₉₃	n ₇₉₄	n ₇₉₅	n ₇₉₆	n ₇₉₇	n ₇₉₈	n ₇₉₉	n ₈₀₀	n ₈₀₁	n ₈₀₂	n ₈₀₃	n ₈₀₄	n ₈₀₅	n ₈₀₆	n ₈₀₇	n ₈₀₈	n ₈₀₉	n ₈₁₀	n ₈₁₁	n ₈₁₂	n ₈₁₃	n ₈₁₄	n ₈₁₅	n ₈₁₆	n ₈₁₇	n ₈₁₈	n ₈₁₉	n ₈₂₀	n ₈₂₁	n ₈₂₂	n ₈₂₃	n ₈₂₄	n ₈₂₅	n ₈₂₆	n ₈₂₇	n ₈₂₈	n ₈₂₉	n ₈₃₀	n ₈₃₁	n ₈₃₂	n ₈₃₃	n ₈₃₄	n ₈₃₅	n ₈₃₆	n ₈₃₇	n ₈₃₈	n ₈₃₉	n ₈₄₀	n ₈₄₁	n ₈₄₂	n ₈₄₃	n ₈₄₄	n ₈₄₅	n ₈₄₆	n ₈₄₇	n ₈₄₈	n ₈₄₉	n ₈₅₀	n ₈₅₁	n ₈₅₂	n ₈₅₃	n ₈₅₄	n ₈₅₅	n ₈₅₆	n ₈₅₇	n ₈₅₈	n ₈₅₉	n ₈₆₀	n ₈₆₁	n ₈₆₂	n ₈₆₃	n ₈₆₄	n ₈₆₅	n ₈₆₆	n ₈₆₇	n ₈₆₈	n ₈₆₉	n ₈₇₀	n ₈₇₁	n ₈₇₂	n ₈₇₃	n ₈₇₄	n ₈₇₅	n ₈₇₆	n ₈₇₇	n ₈₇₈	n ₈₇₉	n ₈₈₀	n ₈₈₁	n ₈₈₂	n ₈₈₃	n ₈₈₄	n ₈₈₅	n ₈₈₆	n ₈₈₇	n ₈₈₈	n ₈₈₉	n ₈₉₀	n ₈₉₁	n ₈₉₂	n ₈₉₃	n ₈₉₄	n ₈₉₅	n ₈₉₆	n ₈₉₇	n ₈₉₈	n ₈₉₉	n ₉₀₀	n ₉₀₁	n ₉₀₂	n ₉₀₃	n ₉₀₄	n ₉₀₅	n ₉₀₆	n ₉₀₇	n ₉₀₈	n ₉₀₉	n ₉₁₀	n ₉₁₁	n ₉₁₂	n ₉₁₃	n ₉₁₄	n ₉₁₅	n ₉₁₆	n ₉₁₇	n ₉₁₈	n ₉₁₉	n ₉₂₀	n ₉₂₁	n ₉₂₂	n ₉₂₃	n ₉₂₄	n ₉₂₅	n ₉₂₆	n ₉₂₇	n ₉₂₈	n ₉₂₉	n ₉₃₀	n ₉₃₁	n ₉₃₂	n ₉₃₃	n ₉₃₄	n ₉₃₅	n ₉₃₆	n ₉₃₇	n ₉₃₈	n ₉₃₉	n ₉₄₀	n ₉₄₁	n ₉₄₂	n ₉₄₃	n ₉₄₄	n ₉₄₅	n ₉₄₆	n ₉₄₇	n ₉₄₈	n ₉₄₉	n ₉₅₀	n ₉₅₁	n ₉₅₂	n ₉₅₃	n ₉₅₄

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



ST 型双支点机架技术参数及尺寸

Technical parameter and dimension of ST type double-support frame

Frame type	Index type	D ₁	D ₂	D ₃	n ₁ [1]	D ₄	D ₅	n ₂ [1]	U ₁	U ₂	U ₃	n	H	H ₁	H ₂	H ₃	H ₄	H ₅	H ₆	H ₇
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	$\frac{320}{316}$	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	$\frac{455}{460}$	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: ① I 型为 JA 型联轴器联接

② II 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

‡ type is JA type coupling connection

II type is split coupling connection

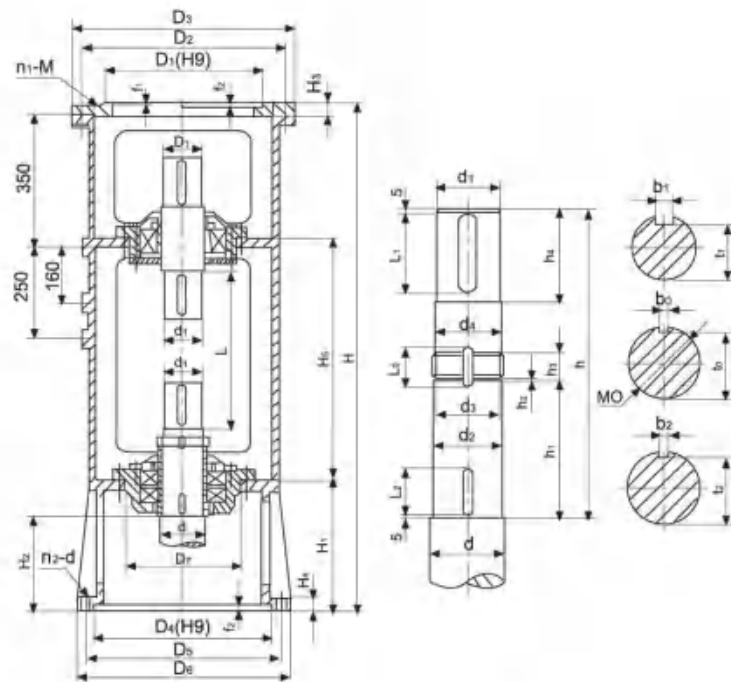
Please show in order if you have special request to output shaft

例 2 XS4 - 90 B 65 Z

the frame size

54

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 ₉)	d ₃	d ₄	h ₁	h ₂	h ₃	h ₄	L ₁	L ₀	L ₂	b ₁ (N ₀)	b ₀	b ₂ (N ₀)	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
		100	85m6	M95x2	95	92	90	166	4	22	118	110	38	50	22	12	12	76	89	90
XD5	500	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
XD7	900	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



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
	Z	316	360	400	8-M12	6
65	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
90	C	360	410	460	8-M20	6
	Z	400	450	490	12-M16	8
95	C	360	410	460	8-M20	6
	Z	400	450	490	12-M16	8
100	Z1	455	520	580	12-M20	10
	Z	455	520	580	12-M20	10
110	C	470	520	580	12-M20	6
	Z	520	590	650	12-M20	12
120	C	470	520	580	12-M20	6
	Z	520	590	650	12-M20	12
130	C	550	600	660	12-M20	6
	Z	680	800	880	12-M30	12
140	C	680	800	880	12-M30	8
	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.

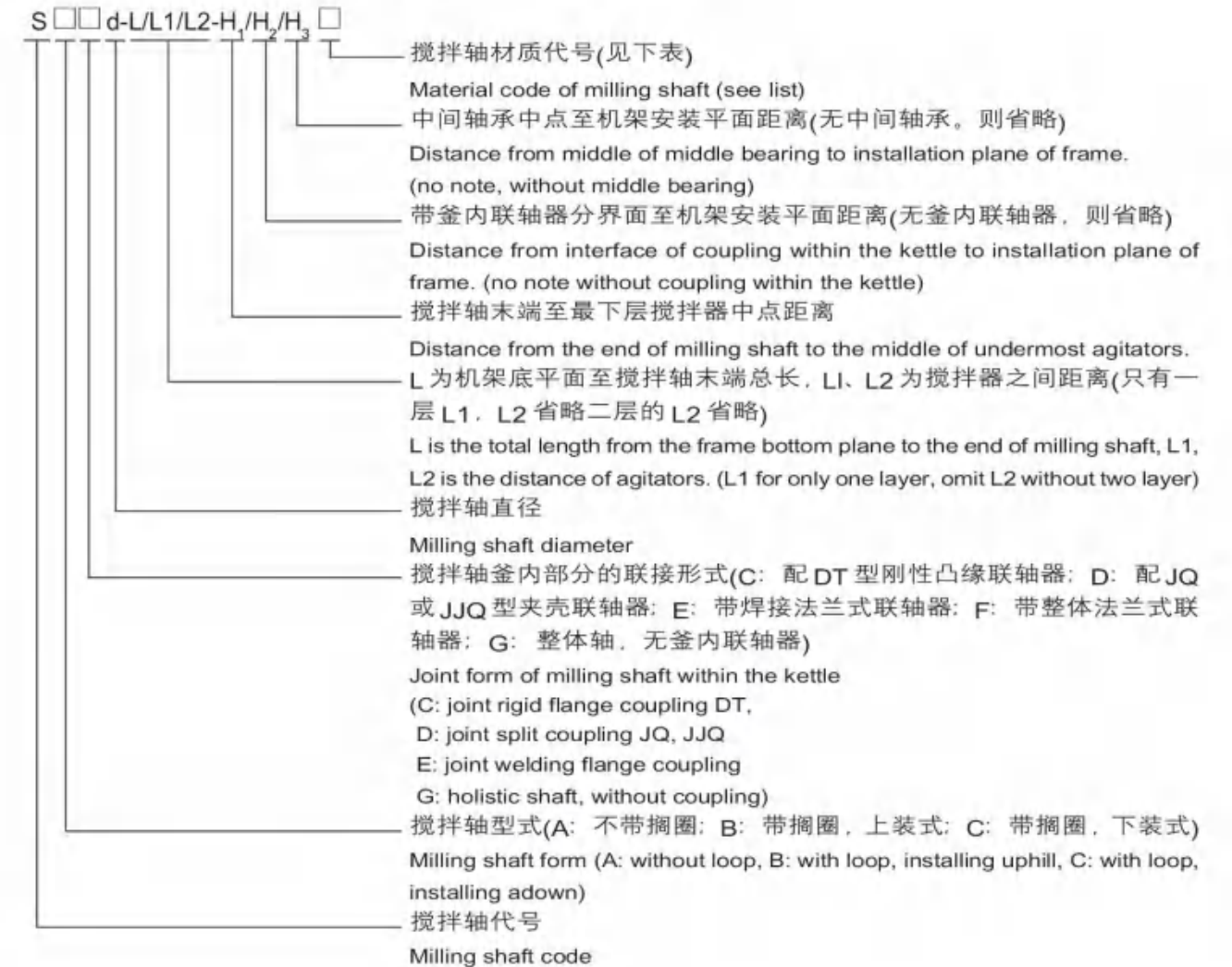
五、搅拌装置部件

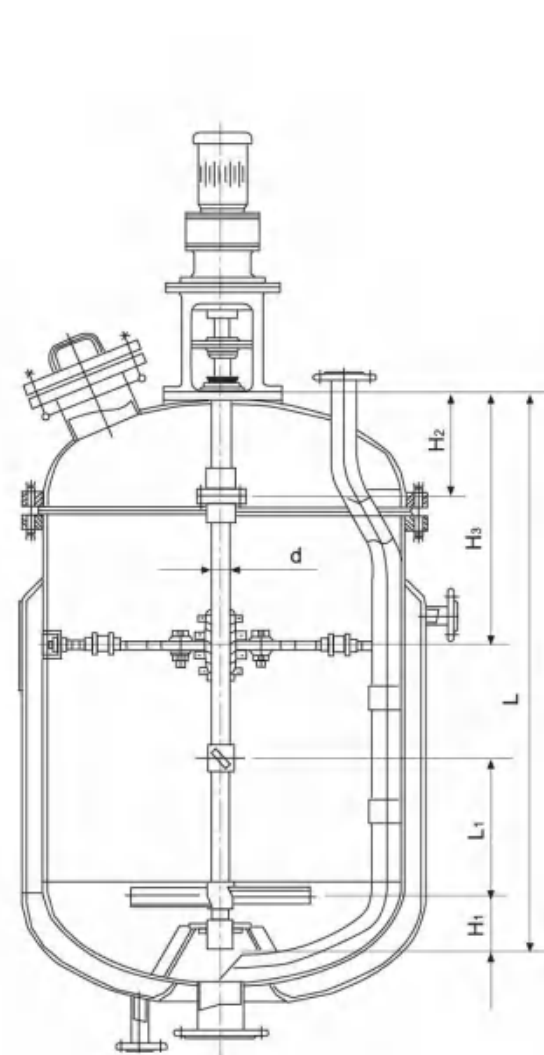
Parts of chum-dasher

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。

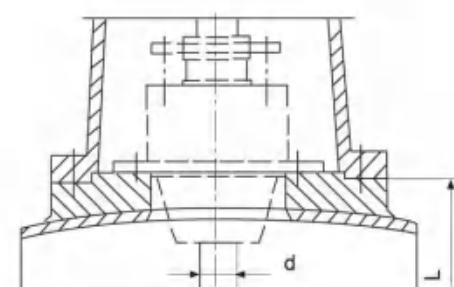
For be prone to design and install and debug decelerator, you can select milling shaft according to its primary parameter d and L , after selecting decelerator, frame, coupling, mechanical seals or packing box, agitators. The dimension of milling shaft over the installation bottom plane is harmonized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

标注示例 Example of earmark

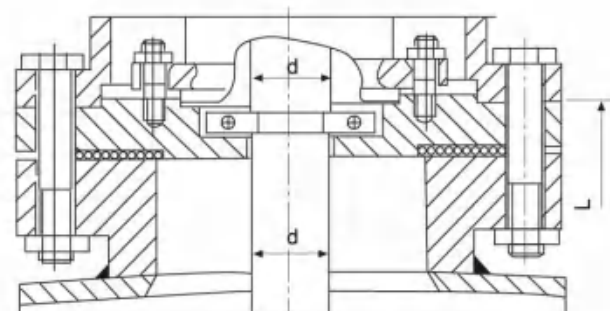




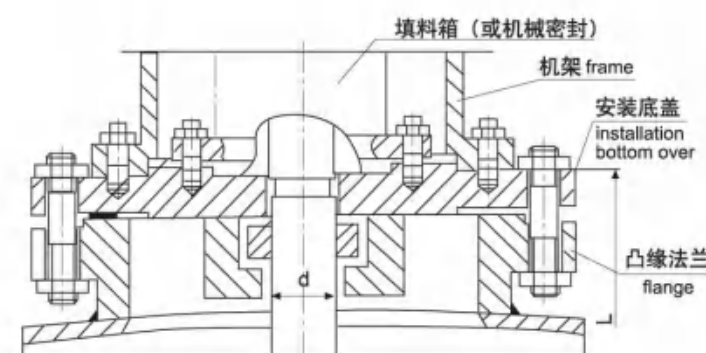
搅拌装置及SA型搅拌轴
Chum-dasher and SA type milling shaft



SA型搅拌轴
SA type milling shaft

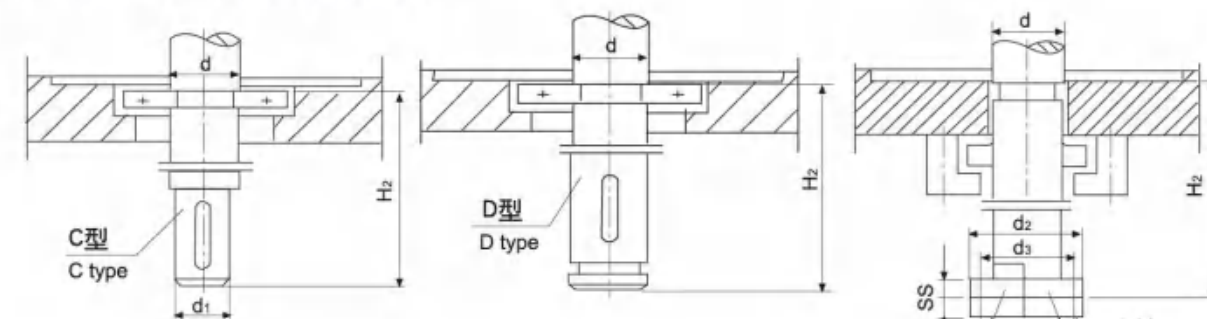


SB型搅拌轴
SB type milling shaft



SC型搅拌轴
SC type milling shaft

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 material 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)	0Cr18Ni14Mo2Cu(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	-	-

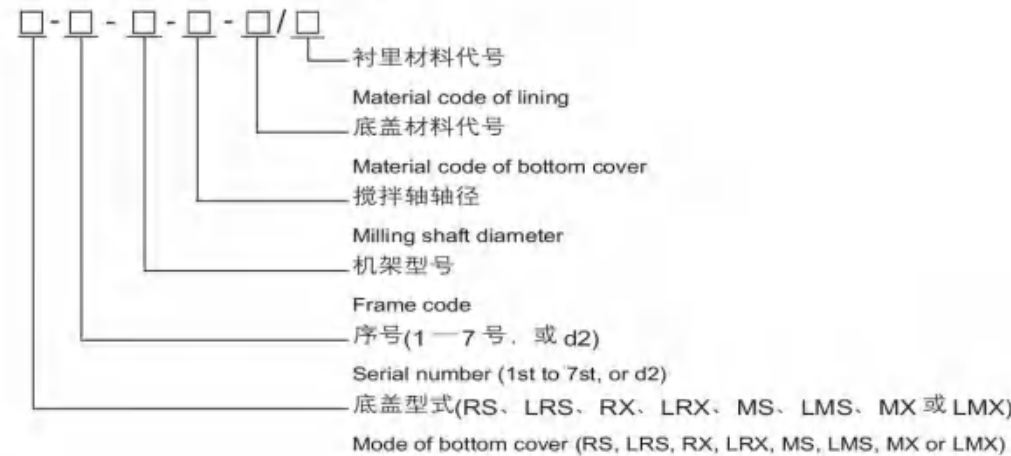
二、安装底盖与凸缘法兰 Installation bottom cover and male flange

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 mechanical 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 d_2 from the serial number next earmark, and note the relevant type of frame, if collocated other frame.

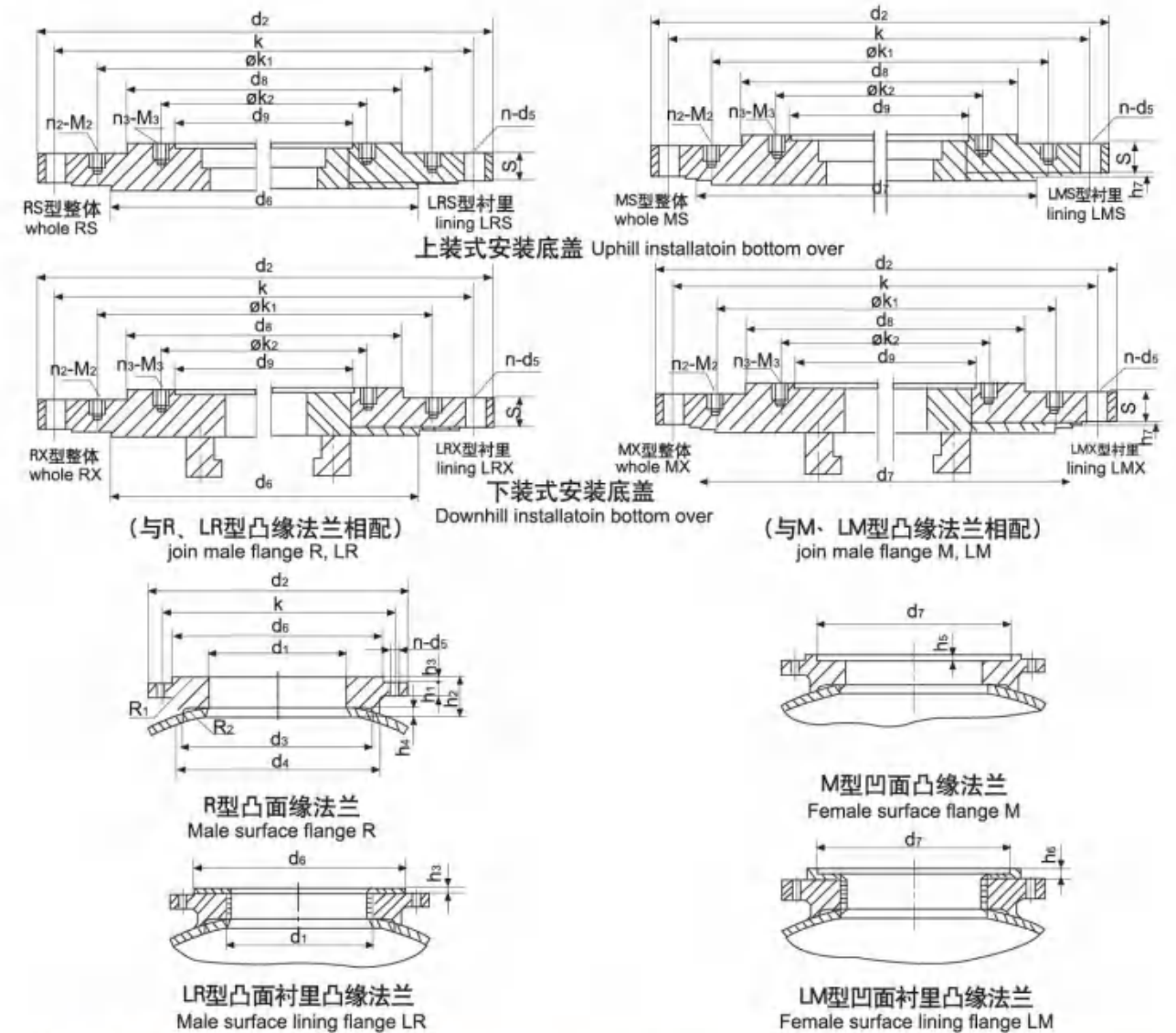
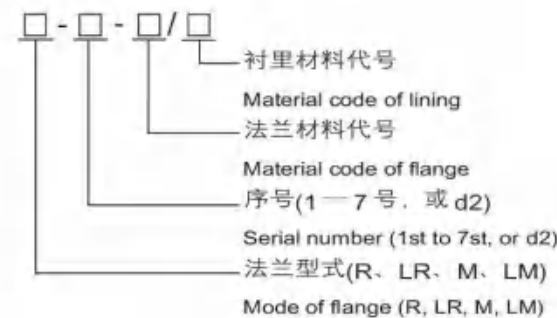
安装底盖标记示例：

Example of earmark installation bottom cover



凸缘法兰标记示例：

Example of earmark male flange



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_3	$n-d_5$	d_6	d_7	h_4	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	400	12-M20	290	XD2 XS2	90,95,100	234	270	8-M20
																		-	415	XD4 XS4	110,120,125,130	260	295	8-M20
5	430	670	620	520	560	46	90	5	20-27	585	566	4	5	65	12	12	515	16-M24	415	XD4 XS4	140,150,160	313	350	12-M20
																		-	520	XD5 XS5				
6	530	830	780	670	720	60	100	8	28-30	745	725	4	5.5	82	12	6.5	515	16-M24	415	XD4 XS4				
																		-	520	XD5 XS5				
7	720	1045	990	800	920	68	110	15	36-30	945	925	4	5.5	100	12	6.5	620	20-M24	520	XD5 XS5				
																		-	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： k_1 、 d_8 、 k_2 、 d_9 、 n_2-M_2 、 n_3-M_3 ，由我公司调整配套。 Note: The relevant joint dimension k_1 , d_8 , k_2 , d_9 , n_2-M_2 , n_3-M_3 is adjusted by us, if selecting other frame mode and mechanical 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

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)

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。

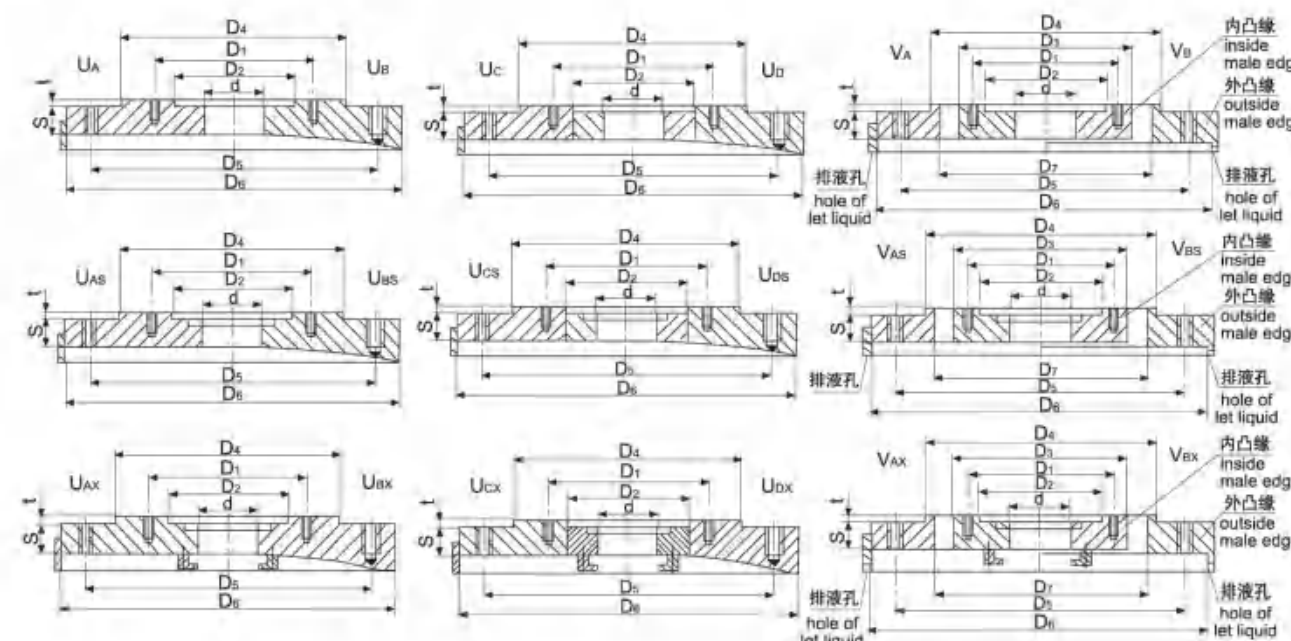
Code of flange bottom cover:
holistic even bottom (UA), holistic female bottom (UB), holistic even bottom with lining (UC), holistic female bottom with lining (UD), fissile even bottom (VA), fissile female bottom (VB). If be made into uphill installation, it is UAS, UBS, UCS, UDS, VAS, VBS. If be made 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.

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

公称压力 nominal pressure	>300~400	>400~500	>500~600	>600~700	>700~800	>800~1000
-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

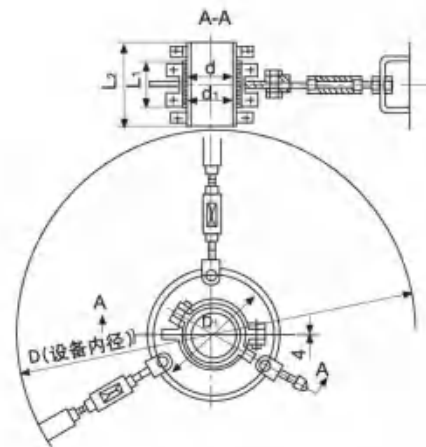


(四)中间轴承 Middle bearing

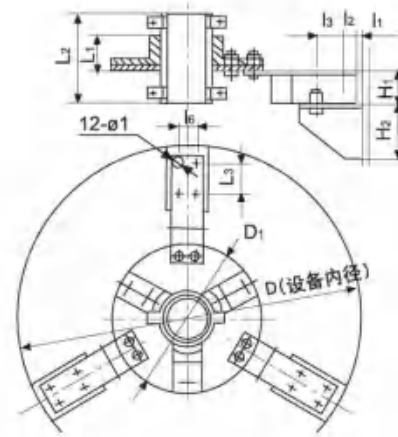
SL、SC、JC、SD 型主要尺寸 Primary dimension of SL, SC, JC, SD type

D	d1	L ₁	L ₂	L ₃	D ₁	H ₁	H ₂	L ₄	L ₅	L ₆	L ₇	L ₈	L ₉	L ₁₀	L ₁₁	L ₁₂	L ₁₃	L ₁₄	L ₁₅	L ₁₆	L ₁₇	L ₁₈	L ₁₉	L ₂₀	L ₂₁	L ₂₂	L ₂₃	L ₂₄	L ₂₅	L ₂₆	L ₂₇	L ₂₈	L ₂₉	L ₃₀	L ₃₁	L ₃₂	L ₃₃	L ₃₄	L ₃₅	L ₃₆	L ₃₇	L ₃₈	L ₃₉	L ₄₀	L ₄₁	L ₄₂	L ₄₃	L ₄₄	L ₄₅	L ₄₆	L ₄₇	L ₄₈	L ₄₉	L ₅₀	L ₅₁	L ₅₂	L ₅₃	L ₅₄	L ₅₅	L ₅₆	L ₅₇	L ₅₈	L ₅₉	L ₆₀	L ₆₁	L ₆₂	L ₆₃	L ₆₄	L ₆₅	L ₆₆	L ₆₇	L ₆₈	L ₆₉	L ₇₀	L ₇₁	L ₇₂	L ₇₃	L ₇₄	L ₇₅	L ₇₆	L ₇₇	L ₇₈	L ₇₉	L ₈₀	L ₈₁	L ₈₂	L ₈₃	L ₈₄	L ₈₅	L ₈₆	L ₈₇	L ₈₈	L ₈₉	L ₉₀	L ₉₁	L ₉₂	L ₉₃	L ₉₄	L ₉₅	L ₉₆	L ₉₇	L ₉₈	L ₉₉	L ₁₀₀
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																																																																																			

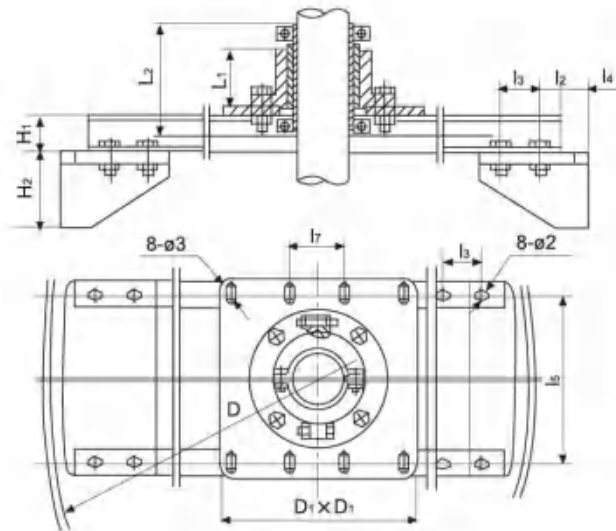
注：重量仅供参考，与设备内径 D 有关。SD 适合于中间轴承位置高度在上封头范围的情况，用户提供高度位置及封头图形，本公司可以供应定位拉杆构件。 Note: The weight have relation to inside diameter D of equipment only for reference. SD type is fit for that high of middle bearing place belong to the upper seal confine. We can supply orientation pole member after user supplied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



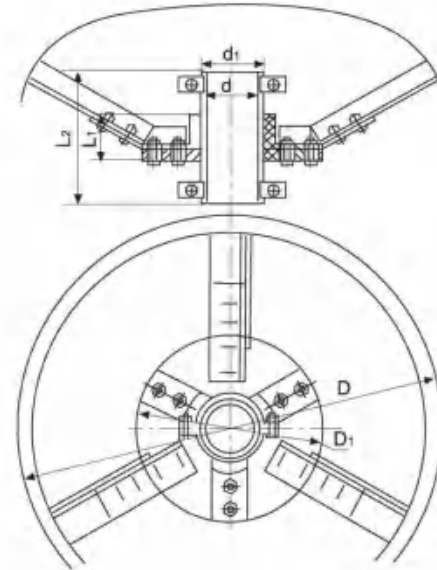
SL型三拉杆式中间轴承
Three-pole middle bearing SL



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

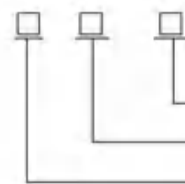


SD型三拉杆式吊挂中间轴承
Three-pole pensile middle bearing SD

(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:

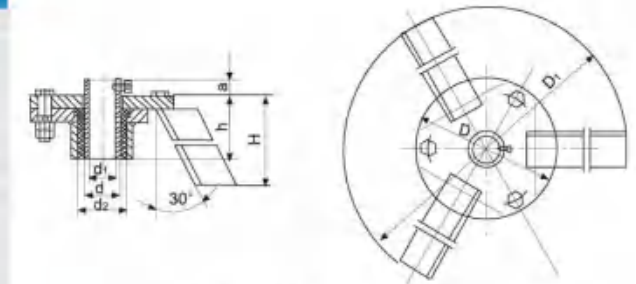
Bottom bearing includes three-foot (SZ), bottom flange (DL), maze three-foot (MSZ), maze flange (MDL) four types, mode of earmark as follows:



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)

SZ 型主要尺寸 Primary dimension of SZ type

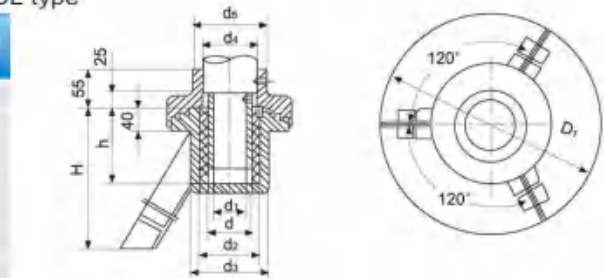
公称轴径 d nominal axes diameter	d ₁	d ₂	D	D ₁	a	h	H	重量(kg) weight
30	22	45	140	363	20	50	160	4.33
40	32	55	160	412	20	60	180	5.49
50	40	65	180	455	20	70	200	6.9
65	50	85	200	498	20	90	230	14
80	65	100	230	563	30	105	250	18
95	75	115	250	617	45	120	280	22
110	90	130	270	683	45	135	300	26.5
125	105	145	310	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

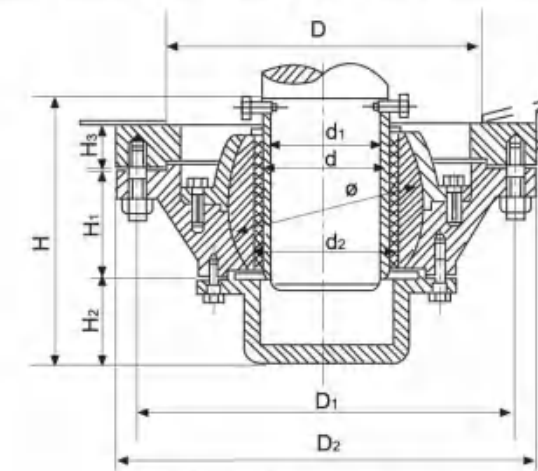
公称轴径 d nominal axes diameter	d ₁	d ₂	D	D ₁	h	H	重量(kg) weight
30	22	45	135	157	35	105	5.1
40	32	55	145	178	45	125	7.1
50	40	65	156	211	55	145	9.6
65	50	85	180	265	70	175	16
80	65	100	195	309	85	195	22
95	75	115	210	359	100	225	30
110	90	130	225	397	115	245	39
125	105	145	245	430	130	260	53
140	115	165	265	500	155	300	69
165	140	190	295	542	165	310	88
190	165	215	320	600	190	340	120



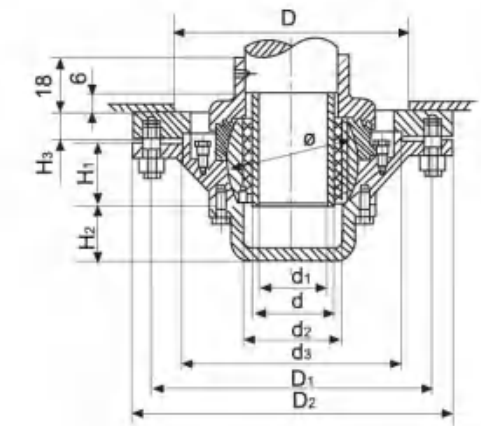
MSZ型底轴承 Bottom bearing MSZ

MSZ 型主要尺寸 Primary dimension of MSZ type

公称轴径 d nominal axes diameter	D	D ₁	D ₂	d ₁	d ₂	d ₃	I	H ₁	H ₂	H ₃	-H	螺栓 8mm No. 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。

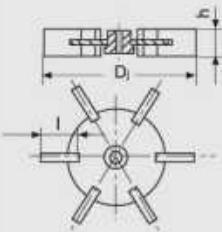
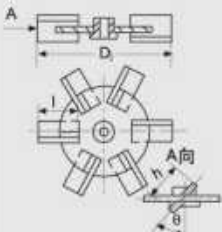
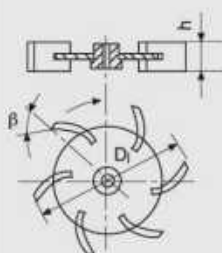
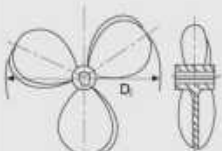
1. 搅拌器的形式、主要尺寸特性参数

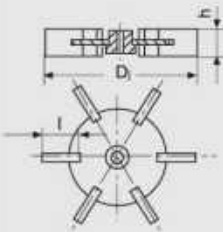
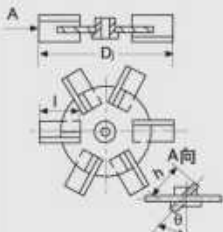
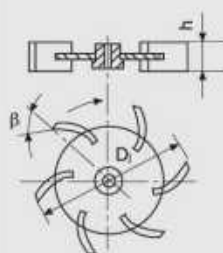
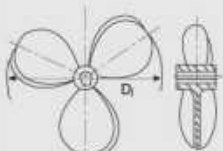
搅拌器类型	搅拌器简图	主要尺寸	特性参数			备注
			常用运转条件	常用介质粘度范围(η)	液体流动状态	
桨叶型	直叶	$D_j/D_i = 0.35 \sim 0.80$ $b/D_j = 0.1 \sim 0.25$ 桨叶数 $Z_j = 2$; 斜叶的斜角 $= 45^\circ$ (标准值), 30°	$n = 1 \sim 100 \text{rpm}$ $v = 1.0 \sim 5.0 \text{ m/s}$	$\eta < 2000 \text{ mPa} \cdot \text{S}$	低速时主要为水平环向流；高速时为径型；有挡板时为上下循环流	当 $D_j/D_i > 0.9$ 并设多层桨式叶轮时，可用予板时为上下循环流
	斜叶				有轴向分流，径向分流和环向分流多在层流，过渡流状态下操作	在层流区操作时，其适用介质粘度可达到 $10^5 \text{mPa} \cdot \text{s}$ ，桨叶端的线速度
开启涡轮式	直叶	$D_j/D_i = 0.2 \sim 0.5$ (标准值为 0.33) $b/D_j = 0.15 \sim 0.3$ (标准值为 0.2); 桨叶数 $Z_j = 3, 4, 6, 8$ (常用桨叶数 $Z_j = 6$) 斜桨叶的斜角 $= 30^\circ, 45^\circ, 60^\circ$ (标准值 $\eta = 45^\circ$) 后弯桨叶弯角 $\eta = 30^\circ, 50^\circ, 60^\circ, 80^\circ$ (常用 $\eta = 50^\circ, 60^\circ$)	$n = 10 \sim 300 \text{rpm}$ $v = 4 \sim 10 \text{m/s}$; 斜桨叶的 $V = 2 \sim 6 \text{m/s}$	对直桨叶 $\eta < 5 \times 10^4 \text{mPa} \cdot \text{S}$ 对斜桨叶、后弯桨叶 $\eta < 10^4 \text{mPa} \cdot \text{S}$	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 η 宜取大值，以降低功率消耗。
	斜叶					
	后弯叶					

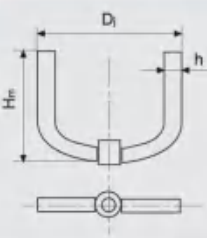
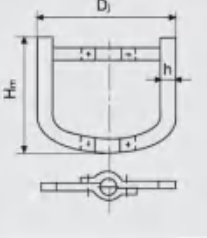
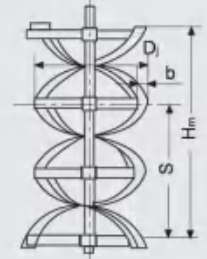
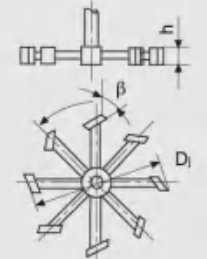
We have made about 30 kinds of agitators, namely 140 categories. We can make according to every size series of H/T2123-91 from familiar furthest (include existing every agitators of HB5, SB90 standard) to every complicated figure or especial use. We can also design and made all kinds of agitators with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

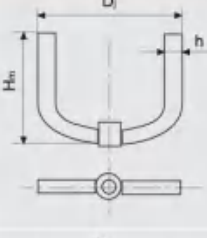
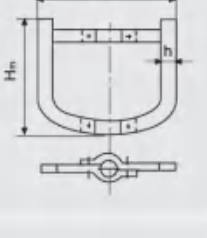
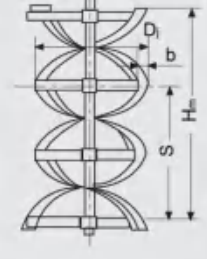
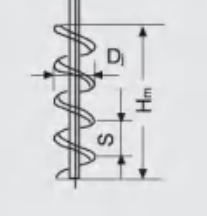
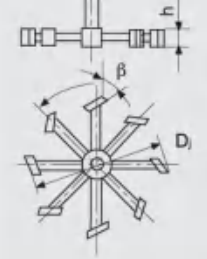
1. Form primary dimension and characteristic parameter of agitators

type	simple drawing	primary dimension	characteristic parameter			note
			common work condition	common medium viscosity extension(η)	liquid flow state	
oar	straight leaf	$D_j/D_i = 0.35 \sim 0.80$ $b/D_j = 0.1 \sim 0.25$ number of oar leaf $Z_j = 2$; bevel of skew leaf $= 45^\circ$ (normal value), 30°	$n = 1 \sim 100 \text{rpm}$ $v = 1.0 \sim 5.0 \text{m/s}$	$\eta < 2000 \text{ mPa} \cdot \text{S}$	Level round flow as low speed; radial form as high speed; flow round up and down with baffle. Distributary along axes, radial, round	It can be used to mill high viscosity liquid with low speed when $D_j/D_i > 0.9$, and many floor oar impellers have been used.
	skew leaf				has been done in the condition of floor flow or transition flow.	Medium viscosity in point has achieved $10^5 \text{mPa} \cdot \text{s}$. When done in floor flow area. Line speed at the end of oar leaf $v = 1.0 \sim 3.0 \text{m/s}$
opening turbine	straight leaf	$D_j/D_i = 0.2 \sim 0.5$ (normal value 0.33); $b/D_j = 0.15 \sim 0.3$ (normal value 0.2); number of oar leaf $Z_j = 3, 4, 6, 8$ (number of normal oar leaf $Z_j = 6$); bevel of skew oar leaf $= 30^\circ, 45^\circ, 60^\circ$ (normal value $\eta = 45^\circ$); degree of retrail curly oar leaf $\eta = 30^\circ, 50^\circ, 60^\circ, 80^\circ$ (normal $\eta = 50^\circ, 60^\circ$)	$n = 10 \sim 300 \text{rpm}$ $v = 4 \sim 10 \text{m/s}$; skew oar leaf $V = 2 \sim 6 \text{m/s}$	to straight oar leaf $\eta < 5 \times 10^4 \text{mPa} \cdot \text{S}$ to skew oar leaf, retrail curly oar leaf $\eta < 10^4 \text{mPa} \cdot \text{S}$	Flow along radial for straight leaf and curly leaf; two flows round up and down with baffle; both 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 retrail curly oar leaf should choose big value to reduce power wastage for high viscosity liquid.
	skew leaf					
	retrail curly leaf					

搅拌机 类型	搅拌机简图	主要尺寸	特性参数			备注
			常用运转条件	常用介质粘度 范围(η)	液体流动状态	
圆盘 涡轮式	直 叶	 $D_j/D_i=0.2$ ~ 0.5 (标准 值为 0.33); $D_j:l:b=20:5:$ 4 叶片数量 $Z_j = 4、6、$ 8(常用 $Z=6$)	$n=10\sim 300\text{rpm}$ $v=4\sim 10\text{m/s}$ 斜 叶式的 $v=2\sim 6\text{m/s}$	对直叶为: $\square$ $<5\times 10^{-4}\text{mPa}\cdot\text{s}$ 对斜叶、弯叶 为: $\square$ $<10^{-4}\text{mPa}\cdot\text{s}$	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 $n=600\text{rpm}$:
	斜 叶	 斜桨叶斜角 $\square=45^\circ、30^\circ$ 后弯叶弯角 $\square=45^\circ$				
	后 弯 叶					
推 进 式	螺 旋 叶	 $D_j/D_i=0.2\sim$ 0.5 (标准值 为 0.33); $S/D_j=1、2$ 叶片数量 $Z_j=2、3、4$ (常用 $Z=3$); P_t - 螺距	$n=100\sim 500\text{rpm}$ $v=3\sim 15\text{m/s}$	$\square<2000\text{mpa}\cdot\text{s}$	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 $n=1750\text{rpm}$: 叶端高线速 $v=25\text{m/s}$: 在 $n<500\text{rpm}$ 时, 适用介质粘 度 $\square\leq 5\times$ $10^{-4}\text{mPa}\cdot\text{S}$

type	simple drawing	primary dimension	characteristic parameter			note	
			common work condition	common medium viscosity extension(η)	liquid flow state		
disk turbine form	straight leaf		$D_j/D_i=0.2 \sim 0.5$ (normal value is 0.33); $D_j:l:b=20:5:4$ number leaf $Z_j=4 \sim 8$ (normal $Z=6$)	$n=10 \sim 300 \text{rpm}$ $v=4 \sim 10 \text{m/s}$ skew leaf $v=2 \sim 6 \text{m/s}$	to straight leaf: $\eta < 5 \times 10^{-4} \text{mPa} \cdot \text{s}$ to skew leaf, curly leaf: $\eta < 10^{-4} \text{mPa} \cdot \text{s}$	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 $n=600 \text{rpm}$:
	skew leaf		bevel skew or leaf $\alpha = 45^\circ, 30^\circ$ degree of retrai curly leaf $\alpha=45^\circ$				
	retral curly leaf						
advance form	helix leaf		$D_j/D_i=0.2 \sim 0.5$ (normal value is 0.33); $S/D_j=1 \sim 2$ number of leaf $Z_j=2 \sim 4$ (normal $Z=3$); Pt-pitch	$n=100 \sim 500 \text{rpm}$ $v=3 \sim 15 \text{m/s}$	$\eta < 2000 \text{mpa} \cdot \text{s}$	Flow along axes, high round speed, little cut power, strong flow along axes for baffle or canister leading flow.	upmost ratate speed $n=1750 \text{rpm}$: high line speed at the end of leaf $v=25 \text{m/s}$: Medium viscosity is point $\eta \leq 5 \times 10^{-4} \text{mPa} \cdot \text{S}$ as $n < 500 \text{rpm}$

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($\square$)	液体流动状态	
锚式		$D1/Di=0.9\sim 0.98$; $b/D1=0.1$; $Hm/Di=0.48\sim 1.0$	$n=1\sim 100\text{rpm}$ $v=1\sim 5\text{m/s}$	$\square < 10^5 \text{mPa} \cdot \text{s}$	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;	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					锚式,框式叶轮均在层流状态下操作	
螺带式		$Di/Di=0.9\sim 0.98$; $S/Di=0.5, 1, 1.5$; $b/Di=0.1$ $Hm/Dj=1\sim 3$ (可根据液层高度增大) 螺带条数: 1、2	$n=0.5\sim 50\text{rpm}$ $v=2\text{m/s}$	$\square < 10^5 \text{mPa} \cdot \text{s}$	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	
螺杆式		$Dj/Di=0.4\sim 0.5$; $S/Dj=1, 1.5$; $Hm/Dj=1\sim 3$	$n=0.5\sim 50\text{rpm}$ $v=2\text{m/s}$	$\square < 10^5 \text{mPa} \cdot \text{s}$	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
布马金式		$Dj/Di=0.2\sim 0.5$; $b/Di=0.1$ $b=70$ 桨叶数量 $Zj=6, 8$	$n=10\sim 300\text{rpm}$	$\square < 5 \times 10^4 \text{mPa} \cdot \text{s}$	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

type	simple drawing	primary dimension	characteristic parameter			note
			common work condition	common medium viscosity extension($\square$)	liquid flow state	
anchor form		$D1/Di=0.9\sim 0.98$; $b/D1=0.1$; $Hm/Di=0.48\sim 1.0$	$n=1\sim 100\text{rpm}$ $v=1\sim 5\text{m/s}$	$\square < 10^5 \text{mPa} \cdot \text{s}$	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		$Di/Di=0.9\sim 0.98$; $S/Di=0.5, 1, 1.5$; $b/Di=0.1$ $Hm/Dj=1\sim 3$ (augment according to liquid height); number of helix cincture 1、2	$n=0.5\sim 50\text{rpm}$ $v=2\text{m/s}$	$\square < 10^5 \text{mPa} \cdot \text{s}$	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		$Dj/Di=0.4\sim 0.5$; $S/Dj=1, 1.5$; $Hm/Dj=1\sim 3$	$n=0.5\sim 50\text{rpm}$ $v=2\text{m/s}$	$\square < 10^5 \text{mPa} \cdot \text{s}$	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.
buemajin form agitator		$Dj/Di=0.2\sim 0.5$; $b/Di=0.1$ $b=70$ number of oar leaf $Zj=6, 8$	$n=10\sim 300\text{rpm}$	$\square < 5 \times 10^4 \text{mPa} \cdot \text{s}$	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.

搅拌机 类型	搅拌机简图	主要尺寸	特性参数			备注
			常用运转条件	常用介质粘度 范围($\square$)	液体流动状态	
三 叶 后 掠 式		$D_j/D_i=0.5$; $b/H_m=2/5$; $h/D_i=0.05$; $\square=30^\circ, 50^\circ$; 叶片上翘角: $15^\circ\sim 20^\circ$; 叶片数 $Z_j=3$	$n=80\sim 150\text{rpm}$ $\square \leq 10\text{m/s}$	$\square < 10^4\text{mPa} \cdot \text{S}$	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 在挡板的配合下, 剪切作用也大	最高叶端线速 度 $v=15\text{m/s}$
MIG 式 (多层双倾斜桨叶)		$D_j/D_i=0.5\sim 0.95$ (标准值为 0.7); 每个叶轮的桨 叶数 $Z_j=2$ 搅拌器容量 $Z=2\sim 3$ 个(标 准为 3 个); 叶轮间距 $S_p=0.28D_i$ (标 准值); 搅拌容器内设 挡板的条件: $D_j/D_i < 0.7$; 2~4 挡板; $D_j/D_i > 0.7$: 无 挡板	$v=1\sim 12\text{m/s}$	$\square < 10^4\text{mPa} \cdot \text{S}$	低速时水平环向 流和轴向流: 高 速时为径向流轴 向流: 每个斜桨叶外 端增设一个与主 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°)
INTERMIG 式 (多层桨叶(搅拌器))					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 拌器属于 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°)
锯 式 圆 盘 式		$D_j/D_i=0.2\sim 0.5$;	$v=5\sim 20\text{m/s}$	$\square < 2000\text{mpa} \cdot \text{s}$	径流型。 在湍流状态下操 作	

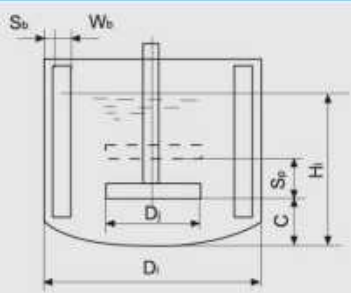
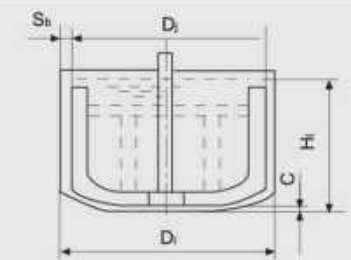
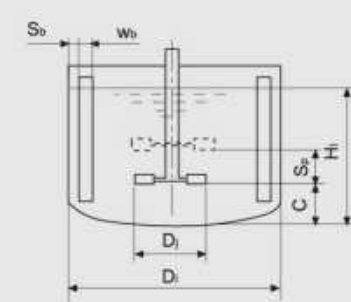
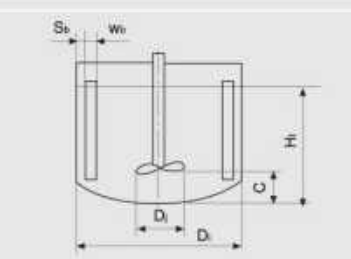
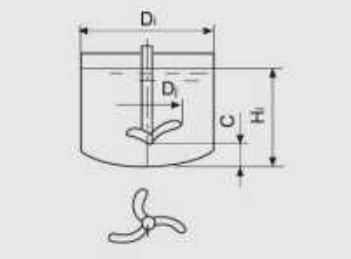
注: 表中通用符号的命名: n - 搅拌机转速 rpm ; v - 搅拌机桨叶部的线速 m/s ; D_i - 搅拌容器内径; D_j - 搅拌机直径; S - 螺旋形桨叶的螺距; $\square$ - 后弯桨叶的后弯角($^\circ$)。

type	simple drawing	primary dimension	characteristic parameter			note
			common work condition	common medium viscosity extension($\square$)	liquid flow state	
three-leaves retrai curly form agitator		$D_j/D_i=0.5$; $b/H_m=2/5$; $h/D_i=0.05$; $\square=30^\circ, 50^\circ$; uphill turnup angle of leaf; $15^\circ\sim 20^\circ$; number of leaf $Z_j=3$	$n=80\sim 150\text{rpm}$ $\square \leq 10\text{m/s}$	$\square < 10^4\text{mPa} \cdot \text{S}$	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 $v=15\text{m/s}$
Many floor double slantwise oar MIG agitator leaves		$D_j/D_i=0.5\sim 0.95$ (normal value is 0.7); number of oar leaf in every impeller $Z_j=2$ capability of agitator $Z=2\sim 3$ (normal value is 3); distance of impeller $S_p=0.28D_i$ (normal value); condition of setting up baffle within agitator; $D_j/D_i < 0.7$; 2~4 baffles; $D_j/D_i > 0.7$; without baffle	$v=1\sim 12\text{m/s}$	$\square < 10^4\text{mPa} \cdot \text{S}$	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 be- long to skew oar leaf remodel, little oar leaf, contrary major oar leaf incline orientation, is settled up. There is two oar leaves in every agitator; there is usual 2-3 agitators on milling axes. (become 90° each other)
INTERMIG form MIG remodelled					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 agi- tator 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)
Toothed disk agitator		$D_j/D_i=0.2\sim 0.5$;	$v=5\sim 20\text{m/s}$	$\square < 2000\text{mpa} \cdot \text{s}$	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 ; D_i — inside diameter of agitator; D_j — diameter of agitator; S — pitch of helix oar leaf; $\square$ — degree of retrai curly oar leaf ($^\circ$)

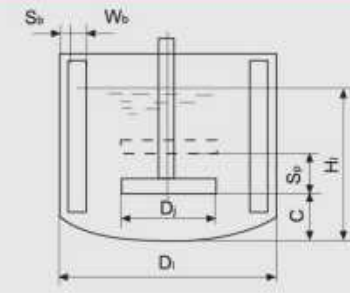
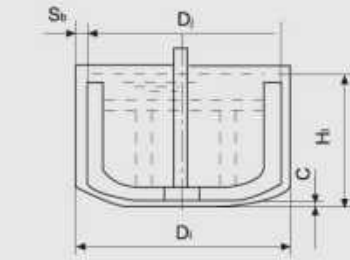
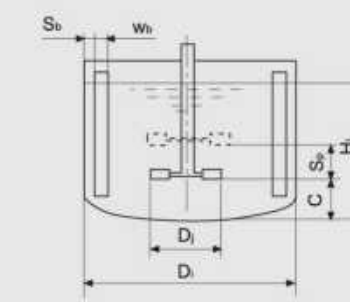
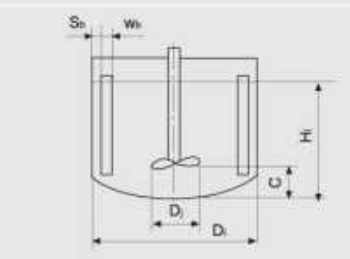
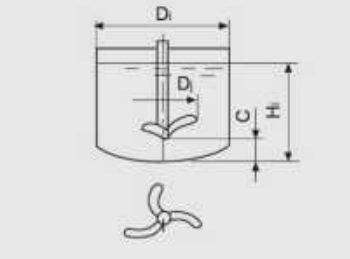
2、搅拌器在搅拌容器中的位置尺寸关系

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		$C=(0.15\sim0.25)D_i$ $S_p=(0.3\sim0.4)D_i$ $W_b=(\frac{1}{12}\sim\frac{1}{10})D_i$ (标准值: $\frac{1}{12}D_i$) $S_b=(0.2\sim0.5)W_b$ (标准值: $0.2W_b$) $H_1=D_i$ (标准值) 当 H_1 远大于 D_i 时, 应采用多层搅拌器
锚式 框式		$C=(0.03\sim0.06)D_i$ $S_b=0.0275D_i$ (用于平底桨叶的锚式、框式搅拌器) $S_b=0.06D_i$ (用于圆弧形底桨叶的锚式、框式搅拌器) $H_1=D_i$ (标准值)
开启式 圆盘涡轮式		$C=(0.5\sim1)D_i$ (用于开启涡轮式搅拌器) $C \approx D_i$ (用于圆盘涡轮式搅拌器) $S_p=(1\sim1.5)D_j$ $W_b=(\frac{1}{12}\sim\frac{1}{10})D_i$ (标准值: $1/12D_i$) $S_b=(0.2\sim0.5)W_b$ (标准值: $0.2W_b$) $H_1=D_i$ (标准值) 当 H_1 远大于 D_i 时, 应采用多层搅拌器
推进式		$C=(1\sim1.5)D_i$ (标准值: $C=D_i$) $W_b=0.1D_i$ $S_b=0$ (无间隙) $H_1=D_i$ (标准值)
三叶后掠式		$C=(0.1\sim0.3)D_i$ $H_1=D_i$ (标准值)

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		$C=(0.15\sim0.25)D_i$ $S_p=(0.3\sim0.4)D_i$ $W_b=(\frac{1}{12}\sim\frac{1}{10})D_i$ (normal value: $\frac{1}{12}D_i$) $S_b=(0.2\sim0.5)W_b$ (normal value: $0.2W_b$) $H_1=D_i$ (normal value) Many floor agitator should be used when H_1 bigger than D_i
anchor and frame form		$C=(0.03\sim0.06)D_i$ $S_b=0.0275D_i$ (for auchor and frame form agitator with level bottom oar leaf) $S_b=0.06D_i$ (for auchor and frame form agitator with fox bottom oar leaf) $H_1=D_i$ (normal value)
opening turbine form disk turbine form		$C=(0.5\sim1)D_i$ (for opening turbine form agitator) $C \approx D_i$ (for disk turbine form agitator) $S_p=(1\sim1.5)D_j$ $W_b=(\frac{1}{12}\sim\frac{1}{10})D_i$ (normal value: $1/12D_i$) $S_b=(0.2\sim0.5)W_b$ (normal value: $0.2W_b$) $H_1=D_i$ (normal value) Many floor agitator should be used when H_1 bigger than D_i
advance form		$C=(1\sim1.5)D_i$ (normal value: $C=D_i$) $W_b=0.1D_i$ $S_b=0$ $H_1=D_i$ (normal value)
three-leaves retral curly form		$C=(0.1\sim0.3)D_i$ $H_1=D_i$ (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
螺旋带式 helix cincture form agitator		$C=(0.01\sim0.05)Dj$

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

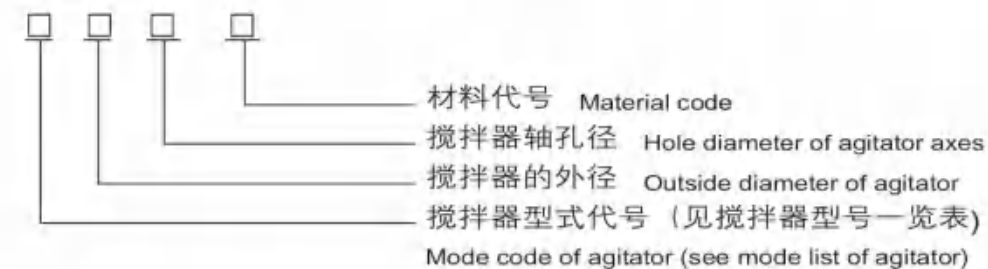
搅拌器类型 type	被搅拌介质的粘度 medium viscosity mPa·s	适宜的搅拌器端部 圆周速度 m/s circle speed	最高转速 rpm upmost rotate speed
桨式、框式、锚式 oar, frame and anchor form	1~4000	3.0~2.0	< 80
	4000~8000	2.5~1.5	
	8000~15000	1.5~1.0	
涡轮式 turbine form	1~5000	7~4.2	< 540
	5000~15000	4.2~3.4	
	15000~25000	3.4~2.3	
推进式 advance form	1~2000	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	D_i/D_j	H_i/D_i
调和 congruity (低粘度均相液体混合) low viscosity symmetrical phasic liquid mixed	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 mixed	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

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	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	020	六直叶可拆开启涡轮式 SB90-283 six straight leaves knock-down opening turbine form	PCK
002	平直叶可拆桨式 (HG5-220-65) even straight leaf knock-down oar form	PCJ	021	六直叶稳定环开启涡轮式 six straight leaves steady ring opening turbine form	PKW
003	斜叶整体桨式 SB90-278 skew leaf holistic oar form	XJ	022	六窄叶整体开启涡轮式 SB90-286 six confined leaves holistic opening turbine form	PZK
004	斜叶可拆桨式 SB90-279 skew leaf knock-down oar form	ZJ	023	六窄叶可拆开启涡轮式 SB90-287 six confined leaves knock-down opening turbine form	PKZ
005	E 型折叶桨式 E type two-double leaf oar form	EJ	024	六窄叶稳定环开启涡轮式 six confined leaves steady ring opening turbine form	PZW
006	E 型折叶可拆桨式 E type two-double leaf knock-down oar form	ECJ	025	六弯叶开启涡轮式 six curly leaves opening turbine form	WK
007	G 型折叶桨式 G type two-double leaf oar form	GJ	026	六弯窄叶开启涡轮式 six curly confined leaves opening turbine form	WZK
008	G 型折叶可拆桨式 G type two-double leaf knock-down oar form	GCJ	027	六弯叶稳定环开启涡轮式 six curly leaves steady ring opening turbine form	WKW
009	S 型双折叶桨式 S type bidirectional two-double leaf oar form	SJ	028	六斜窄叶稳定环开启涡轮式 six skew confined leaves steady ring opening turbine form	WWK
010	S 型双折叶可拆桨式 S type bidirectional two-double leaf knock-down oar form	SCJ	029	六斜叶整体开启涡轮式 SB90-284 six skew leaves holistic opening turbine form	XK
011	C 型双折叶桨式 C type bidirectional two-double oar form	CJ	030	六斜叶可拆开启涡轮式 SB90-285 six skew leaves knock-down opening turbine form	XKK
012	C 型双折叶可拆桨式 C type bidirectional two-double knock-down oar form	CCJ	031	六斜叶稳定环开启涡轮式 six skew leaves steady ring opening turbine form	XKW
013	曲边斜叶整体桨式 curly edge skew leaf holistic oar form	QJ	032	六斜窄叶整体开启涡轮式 six skew confined holistic opening turbine form	XZK
014	曲边斜叶可拆桨式 curly edge skew leaf knock-down oar form	QCJ	033	六斜窄叶可拆开启涡轮式 six skew confined knock-down opening turbine form	XKZ
015	菱臂弧叶整体桨式 rhombic arm fox leaf holistic oar form	BJ	034	六斜窄叶稳定环开启涡轮式 six skew confined steady ring opening turbine form	XZW
016	菱臂弧叶可拆桨式 rhombic arm fox leaf knock-down oar form	BCJ	035	四斜叶整体开启涡轮式 four skew leaves holistic opening turbine form	MK
017	花板孔整体桨式 motley board-hole holistic oar form	FJ	036	四斜叶可拆开启涡轮式 four skew leaves knock-down opening turbine form	XCK
018	花板孔可拆桨式 motley board-hole knock-down oar form	FCJ	037	四斜叶整体稳定器开启涡轮式 four skew leaves holistic stabilizator opening turbine form	MKW
019	六直叶整体开启涡轮式 SB90-282 six straight leaves holistic opening turbine form	PK	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.	摆杆器型式名称 mode name	代号 code	序号 No.	摆杆器型式名称 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	070	箭叶对开圆盘涡轮式 arrow folio disk turbine form	JDY
040	四斜窄叶可拆开启涡轮式 four skew confined leaves knock-down opening turbine form	NCK	071	箭叶可拆对开圆盘涡轮式 arrow knock-down disk turbine form	JKY
041	四斜窄叶整体稳定器开启涡轮式 four skew confined leaves holistic stabilizer opening turbine form	NKW	072	平齿形圆盘涡轮式 even tooth disk turbine form	CY
042	四斜窄叶可拆稳定器开启涡轮式 four skew confined leaves knock-down stabilizer opening turbine form	NCW	073	翻齿形圆盘涡轮式 turnover tooth disk turbine form	FY
043	四叶T型开启涡轮式 four leaves T type opening turbine form	TCK	074	贴齿形圆盘涡轮式 adnate tooth disk turbine form	TY
044	三斜窄叶整体开启涡轮式 three skew confined leaves holistic opening turbine form	YK	075	三叶左旋推进式 SB90-290 SB90-291 three revolved left leaves advance form	TXL
045	三斜窄叶可拆开启涡轮式 three skew confined leaves knock-down opening turbine form	YCK	076	三叶右旋推进式 HG-222-65 three revolved right leaves advance form	TXR
046	三斜叶整体稳定器开启涡轮式 three skew leaves holistic stabilizer opening turbine form	YKW	077	三叶左旋稳定环推进式 three revolved left leaves steady ring advance form	TWL
047	三斜叶可拆稳定器开启涡轮式 three skew leaves knock-down stabilizer opening turbine form	YCW	078	三叶右旋稳定环推进式 three revolved right leaves steady ring advance form	TWR
048	三斜窄叶整体开启涡轮式 three skew confined leaves holistic opening turbine form	ZK	079	三叶左旋导流筒推进式 three revolved left leaves leading flow canister advance form	TVL
049	三斜窄叶可拆开启涡轮式 three skew confined leaves knock-down opening turbine form	ZCK	080	三叶右旋导流筒推进式 three revolved right leaves leading flow canister advance form	TVR
050	三斜窄叶整体稳定器开启涡轮式 three skew confined leaves holistic stabilizer opening turbine form	ZKW	081	三叶焊接左旋推进式 three welding revolved left leaves advance form	HXL
051	三斜窄叶可拆稳定器开启涡轮式 three skew confined leaves knock-down stabilizer opening turbine form	ZCW	082	三叶焊接右旋推进式 three welding revolved right leaves advance form	HXR
052	平直叶圆盘涡轮式 HG5-221-65 even straight leaf disk turbine form	PY	083	三叶焊接左旋稳定环推进式 three welding revolved left leaves steady ring advance form	HWL
053	平直叶对开圆盘涡轮式 SB90-280 even straight leaf folio disk turbine form	PDY	084	三叶焊接右旋稳定环推进式 three welding revolved right leaves steady ring advance form	HWR
054	斜叶圆盘涡轮式 SB90-281 skew leaf disk turbine form	ZY	085	三叶焊接左旋导流筒推进式 three welding revolved left leaves leading flow canister advance form	HVL
055	斜叶对开圆盘涡轮式 skew leaf folio disk turbine form	ZDY	086	三叶焊接右旋导流筒推进式 three welding revolved right leaves leading flow canister advance form	HVR
056	弯叶圆盘涡轮式 curly leaf disk turbine form	WY	087	三叶可调左旋推进式 three adjustable revolved left leaves advance form	TTL
057	弯叶可拆圆盘涡轮式 curly leaf knock-down disk turbine form	WCY	088	三叶可调右旋推进式 three adjustable revolved right leaves advance form	TTR
058	弯叶对开圆盘涡轮式 curly leaf folio disk turbine form	XDY	089	三叶可拆左旋推进式 three knock-down revolved left leaves advance form	TCL
059	弯叶可拆对开圆盘涡轮式 curly leaf knock-down folio disk turbine form	WKY	090	三叶可拆右旋推进式 three knock-down revolved right leaves advance form	TCR
060	螺距叶圆盘涡轮式 pitch leaf disk turbine form	LY	091	高效轴流旋桨左旋式 high efficiency flow revolving oar revolved left	GXL
061	螺距叶可拆圆盘涡轮式 pitch leaf knock-down disk turbine form	LCY	092	高效轴流旋桨右旋式 high efficiency flow revolving oar revolved right	GXR
062	螺距叶对开圆盘涡轮式 pitch leaf folio disk turbine form	LDY	093	四叶左旋推进式 four revolved left advance form	SXL
063	螺距叶可拆对开圆盘涡轮式 pitch leaf knock-down folio disk turbine form	LKY	094	四叶右旋推进式 four revolved right advance form	SXR
064	半圆弧圆盘涡轮式 half fox disk turbine form	HY	095	四叶左旋稳定环推进式 four revolved left leaves steady ring advance form	SWL
065	半圆弧可拆圆盘涡轮式 half fox knock-down disk turbine form	HCY	096	四叶右旋稳定环推进式 four revolved right leaves steady ring advance form	SWR
066	半圆弧对开圆盘涡轮式 half fox folio disk turbine form	HDY	097	四叶左旋导流筒推进式 four revolved left leaves leading flow canister	SVL
067	半圆弧可拆对开圆盘涡轮式 half fox knock-down folio disk turbine form	HKY	098	四叶右旋导流筒推进式 four revolved right leaves leading flow canister	SVR
068	箭叶圆盘涡轮式 arrow leaf disk turbine form	JY	099	三宽叶整体旋桨式 three wide leaves holistic revolving oar form	KHX
069	箭叶可拆圆盘涡轮式 arrow leaf knock-down disk turbine form	JCY	100	三宽叶可拆旋桨式 three wide leaves knock-down revolving oar form	KCX

序号 No.	摆杆器型式名称 mode name	代号 code	序号 No.	摆杆器型式名称 mode name	代号 code
101	三宽叶稳定环旋桨式 three wide leaves steady ring revolving oar form	KWY	123	带导流筒螺杆式 helix pole with leading flow canister	LGH
102	三窄叶整体旋桨式 three confined holistic revolving oar form	ZHX	124	螺带式 helix cincture form	LD
103	三窄叶可拆旋桨式 three confined knock-down revolving oar form	ZCX	125	螺带螺杆式 helix cincture and helix pole form	LDG
104	三窄叶稳定环旋桨式 three confined steady ring revolving oar form	ZWX	126	锥底螺带式 fastigate bottom helix	ZLD
105	四宽叶可拆旋桨式 four wide leaves knock-down revolving oar form	KSX	127	锥底螺带螺杆式 fastigate bottom helix cincture and helix pole form	ZLG
106	四窄叶可拆旋桨式 four confined leaves knock-down revolving oar form	ZSX	128	椭圆底框 HG5-757-78 elliptical bottom pane form	KS
107	三叶后齿左旋式 three back tooth leaves revolved left form	CL	129	直角锥底框式 square fastigate bottom pane form	KSA
108	三叶后齿右旋式 three back tooth leaves revolved right form	CR	130	钝角锥底框式 an obtuse angle fastigate bottom pane form	KSB
109	三叶后齿可拆左旋式 three back tooth leaves knock-down revolved left form	CCL	131	锚式 anchor form	MS
110	三叶后齿可拆右旋式 three back tooth leaves knock-down revolved right form	CCR	132	搪玻璃专用锚式 anchor for spreading over glass	TS
111	三叶翘曲左旋式 three warp leaves revolved left form	QL	133	锚框式 anchor pane form	MKS
112	三叶翘曲右旋式 three warp leaves revolved right form	QR	134	锚带式 anchor cincture form	MDS
113	三叶翘曲可折左旋式 three warp leaves knock-down revolved left form	QCL	135	方框式 pane form	FKS
114	三叶翘曲可拆右旋式 three warp leaves knock-down revolved right form	QCR	136	方栅式 quadrate pale form	FSS
115	三框叶刮板式 three frame leaves scraping board	KG	137	板框式 board pane form	BKS
116	三叶后掠整体式 three retral curly leaves holistic form	HQ	138	消泡叶轮 banish froth impeller	XPJ
117	三叶后掠可拆式 three retral curly leaves knock-down form	HCO	139	消泡桨 banish froth oar	XPJ
118	四叶后掠整体式 four retral curly leaves holistic form	SQ	140	泵型曝气机 pump leak gas machine	BAY
119	四叶后掠可拆式 four retral curly leaves knock-down form	SCQ	141	伞型曝气机 umbrella leak gas machine	BDY
120	三叶锥底平桨式 three leaves fastigate bottom even oar form	SZP	142	翼盘型曝气机 aerofoil leak gas machine	BQY
121	布耳马金式 buermajin form	BM	143	整体式稳定环 holistic steady ring	WH
122	螺杆式 helix pole form	LG	144	对开式稳定环 folio steady ring	WF



双级摆线针轮减速器
double stage cycloidal 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)



JXLD 型新型机架
JXLD type new frame



JA 型机架
JA type frame



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



JXLD 型机架
JXLD type frame



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



XDJ 型机架 (HG21566)
XDJ type frame



DJ 型机架
DJ type frame



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

