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徐州海林回转支承有限公司



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回转支承制造专家
EXPERT OF SLEWING
BEARING MANUFACTURER



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徐州海林回转支承有限公司

XUZHOU HELIN SLEWING BEARING CO.,LTD.

HELIN

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企业文化: 以人为本 共同发展
企业宗旨: 效率成就品牌 诚信铸就未来
企业理念: 强化竞争意识 营造团队精神

企业简介 Company Introduction

徐州海林回转支承有限公司坐落在中国工程机械之乡—徐州，位于铜山高新技术开发区，交通便利，环境优美，是集设计、研发、制造于一体的回转支承专业化制造公司。

我公司专业生产：单排球式（01系列、HS系列、Q系列）、双排球式（02系列）、三排滚柱式（13系列）、单排交叉滚柱式（11系列、HJ系列）、轻型系列和法兰式等多系列回转支承，公司产品涵盖100mm—4000mm各种标准与非标规格的尺寸，产品主要用于挖掘机、汽车起重机、塔式起重机生产企业配套，并广泛应用于工程机械、建筑机械、轻工机械、冶金矿业机械、环保机械、石油化工机械、工程车辆、船舶港口机械等行业。

公司可按国家机械行业标准JB/T2300—2011、JB/T10471—2004、JB/T66—1999、JG/T67—1999提供系列产品，精度高，寿命长，质优价廉，售后服务完善，深受国内外的客户好评。公司拥有一支团结、敬业、求实、高效的团队，凭借专业的技术、先进的服务理念从定单、采购、制造到售后给客户最有力的服务和保障。公司产品销往全国各地并已出口到欧洲、亚洲、美洲和大洋洲等四十多个国家和地区，产品得到客户的高度赞许和认同！

徐州海林回转支承有限公司热忱欢迎您的来电咨询与合作，我们将为您提供最优质的产品和最完善的服务。

Xuzhou Helin Slewing Bearing Co.,Ltd. is a specialized precision slewing bearing manufacturer include designing, RD and producing ,which located in Xuzhou City, Jiangsu Province—a very famous Construction Machinery Base.

Our Slewing Bearings have several series such as Single Row Ball Series, Double Row Ball Series , Three Row Roller Series, Single Row Cross Roller Series, Light Type and Flange Type, product size is ranging from 100—4000mm with standard and non—standard models.

Our products are mainly used for Excavators, Mobile Cranes, Tower Cranes, and widely used for Construction Machinery,Light Industry Machinery,Metallurgical Mining Machinery, Environmental Protection Machinery, Petrochemical Machinery, Engineering Vehicles, Ship Port Machinery and more gradually.

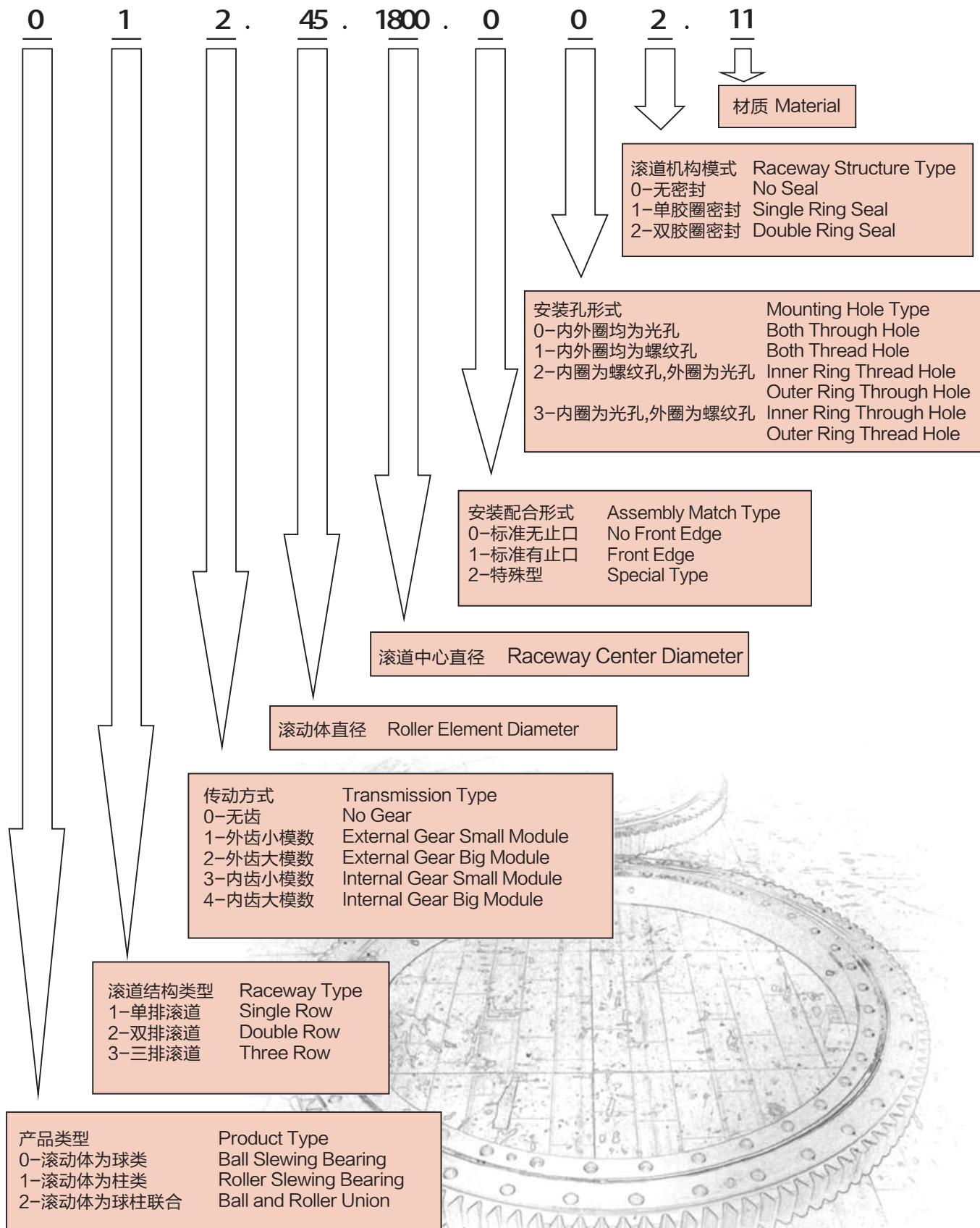
Our products are manufactured according to JB/T2300—2011、JB/T10471—2004、JB/T66—1999、JG/T67—1999 with high precision, long running time and high price/ performance rate, which have been sold to many provinces in China and exported to Europe, Asia, the Americas and Oceania and other areas, and obtain high praise and recognition from customers all over the word.

Our team with Unity, Dedication, Pragmatism, Efficiency always offer best service and guarantee for our customers from ordering, purchasing, manufacturing and after—sale process.

Welcome to be here—Xuzhou Helin Slewing Bearing Co., Ltd —with high quality products and perfect service.

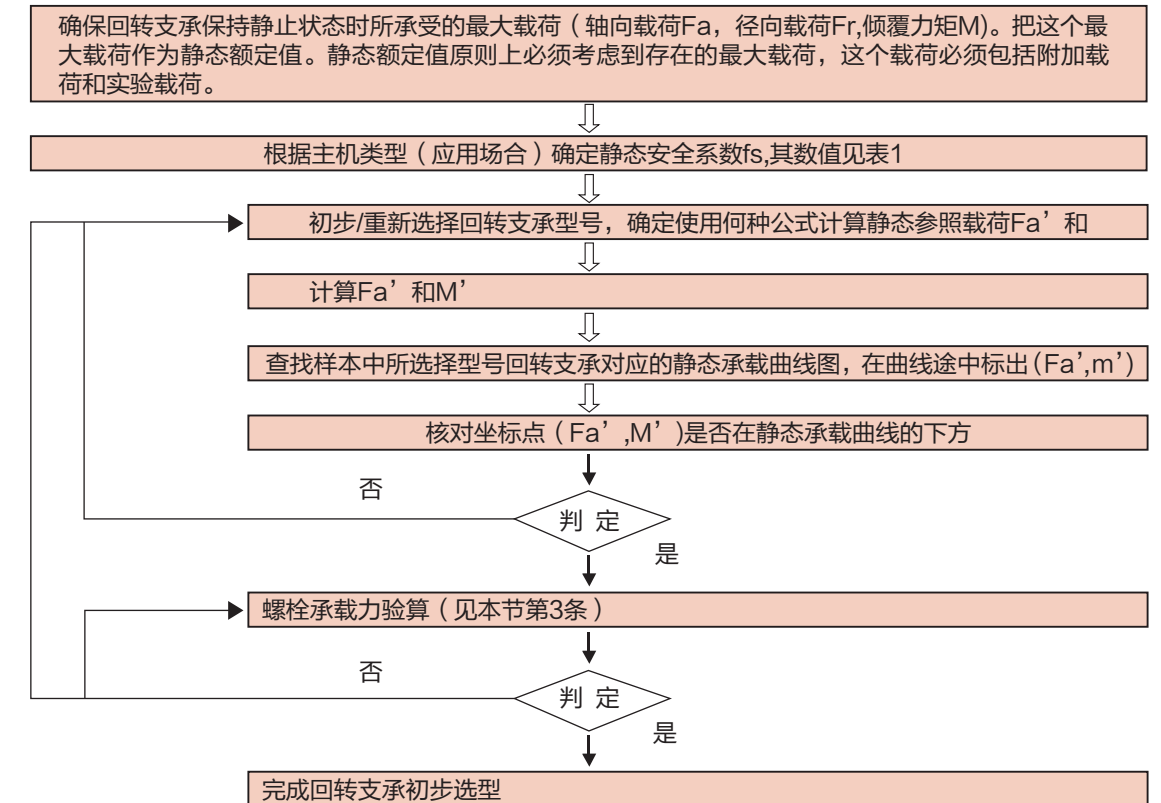
回转支承编号方法JB/T2300-2011标准

Slewing Bearing Numbering Methods JB/T2300-2011 Standard



静态选型 Static State Model Selection

1) 选型计算流程图



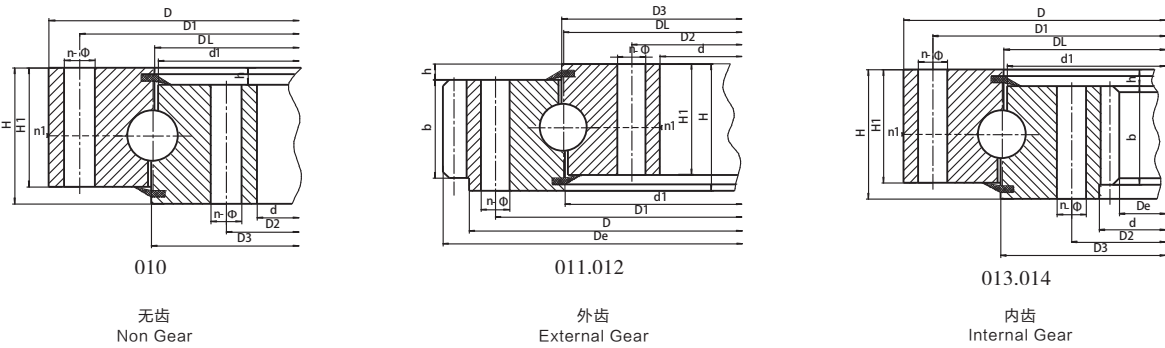
2) 静态参照载荷 Fa' 和 M' 的计算方法:

- 单排四点接触球式:
单排四点接触球式回转支承的选型计算分别按承载角 45° 和 60° 两种情况进行。
I、 $a=45^\circ$ II、 $a=60^\circ$
 $Fa' = (1.225*Fa + 2.676*Fr)*fs$ $Fa' = (Fa + 5.046*Fr)*fs$
 $M' = 1.225*M*fs$ $M' = M*fs$
然后在曲线图上找出以上二点，其中一点在曲线以下即可。
- 单排交叉滚柱式
 $Fa' = (Fa + 2.05Fr)*fs$
 $M' = M*fs$
- 双排异径球式
对于双排异径球式回转支承选型计算，但 $Fr \leq 10\%Fa$ 时， Fr 忽略不计。当 $Fr \geq 10\%Fa$ 时，必须考虑轨道内侧压力角的变化，其计算请与我们联系。
 $Fa' = Fa*fs$
 $M' = M*fs$
- 三排滚柱式
三排滚柱式回转支承选型时，仅对轴向滚道负荷和倾覆力矩的作用进行计算。
 $Fa' = Fa*fs$
 $M' = M*fs$
- 动态选型
对于连续运转、高速回转和其它对回转支承的寿命有具体要求的应用场合，请与我公司联系。
- 螺栓承载力验算:
把回转支承所承受的最大载荷（没有乘静态安全系数 fs ）作为选择螺栓的载荷。
查对载荷是否在所需等级螺栓极限负荷曲线以下；
若螺栓承载能力不够，可重新选择回转支承，或与我公司联系。

01 系列

01系列 单排四点接触球式回转支承

Series 01 Single Row Four Point Contact Ball Slewing Bearing



结构特点、性能、适用范围

单排四点接触球式回转支承由两个座圈组成，结构紧凑、重量轻、钢球与圆弧滚道四点接触，能同时承受轴向力、径向力和倾翻力矩。回转式输送机、焊接操作机、中小型起重机和挖掘机等工程机械均可选用。

注：

- 1、n1为润滑油孔数，均布：油杯M10×1 JB/T7940.1-JB/T7940.2
- 2、安装孔n-dn1、n-dn2可改用螺孔；齿宽b可改为H-h。
- 3、表内齿顶圆周力为最大圆周力，额定圆周力取其1/2。
- 4、内齿修顶系数为0.2。

Characteristic of structure, performance and application

The single row four point contact ball slewing bearing is composed of two seat rings, which design in compact structure and light weight, steel ball contact with the circular raceway at four point, it can bear the axial force, radial force and the tilting moment at the same time.

It can be used for slewing conveyer, welding manipulator, light & medium duty crane, excavator, and other construction machinery.

Note:

1. n1 is the number of lubricating holes.Oil cup M10×1JB/T7940.1~JB/T7940.2.The Oil nipple's location can be changed according to the user's application.
2. n-φ can be changed to tapped hole,the diameter of tapped hole is M,depth is 2M.
3. The tangential tooth force in the form is the maximum tooth force,the nominal tangential tooth force is 1/2 of the max one.
4. "K" is addendum reduction coefficient.

01 系列 - 无齿 Series 01 --Non Gear

序号 No.	基本型号 Model 无齿式 Non gear DL mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions						结构尺寸 Structural Dimensions					参考 重量 kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	
1	010.20.200	280	120	60	248	152	12	16	M14	28	2	201	199	50	10	
2	010.20.224	304	144	60	272	176	12	16	M14	28	2	225	223	50	10	
3	010.20.250	330	170	60	298	202	18	16	M14	28	2	251	249	50	10	
4	010.20.280	360	200	60	328	232	18	16	M14	28	2	281	279	50	10	
5	010.25.315	408	222	70	372	258	20	18	M16	32	2	316	314	60	10	
6	010.25.355	448	262	70	412	298	20	18	M16	32	2	356	354	60	10	
7	010.25.400	493	307	70	457	343	20	18	M16	32	2	401	399	60	10	
8	010.25.450	543	357	70	507	393	20	18	M16	32	2	451	449	60	10	
9	010.30.500	602	398	80	566	434	20	18	M16	32	4	501	498	70	10	85
9H	010.25.500	602	398	80	566	434	20	18	M16	32	4	501	499	70	10	85
10	010.30.560	662	458	80	626	494	20	18	M16	32	4	561	558	70	10	95
10H	010.25.560	662	458	80	626	494	20	18	M16	32	4	561	559	70	10	95
11	010.30.630	732	528	80	696	564	24	18	M16	32	4	631	628	70	10	110
11H	010.25.630	732	528	80	696	564	24	18	M16	32	4	631	629	70	10	110
12	010.30.710	812	608	80	776	644	24	18	M16	32	4	711	708	70	10	120
12H	010.25.710	812	608	80	776	644	24	18	M16	32	4	711	709	70	10	120
13	010.40.800	922	678	100	878	722	30	22	M20	40	6	801	798	90	10	220
13H	010.30.800	922	678	100	878	722	30	22	M20	40	6	801	798	90	10	220
14	010.40.900	1022	778	100	978	822	30	22	M20	40	6	901	898	90	10	240
14H	010.30.900	1022	778	100	978	822	30	22	M20	40	6	901	898	90	10	240
15	010.40.1000	1122	878	100	1078	922	36	22	M20	40	6	1001	998	90	10	270
15H	010.30.1000	1122	878	100	1078	922	36	22	M20	40	6	1001	998	90	10	270
16	010.40.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10	300
16H	010.30.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10	300
17	010.45.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1252	1248	100	10	420
17H	010.35.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1251	1248	100	10	420
18	010.45.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1402	1398	100	10	480
18H	010.35.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1401	1398	100	10	480
19	011.45.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1602	1598	100	10	550
19H	010.35.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1601	1598	100	10	550
20	010.45.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1802	1798	100	10	610
20H	010.35.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1801	1798	100	10	610
21	010.60.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2002	1998	132	12	1100
21H	010.40.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2001	1998	132	12	1100
22	010.60.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2242	2238	132	12	1250
22H	010.40.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2241	2238	132	12	1250
23	010.60.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2502	2498	132	12	1400
23H	010.40.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2501	2498	132	12	1400
24	010.60.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	1600
24H	010.40.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	1600
25	010.75.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12	2800
25H	010.50.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12	2800

序号 No.	外齿式 External gear DL	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions							结构尺寸 Structural Dimensions							齿轮参数 Gear data					齿轮圆周力 Gearcircumferential force		参考 重量 weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	正火 Z 104N	调质 T 104N				
1	011.20.200	280	120	60	248	152	12	16	M14	28	2	201	199	50	10	40	0	3	300	98						
2	011.20.224	304	144	60	272	176	12	16	M14	28	2	225	223	50	10	40	0	3	321	105						
3	011.20.250	330	170	60	298	202	18	16	M14	28	2	251	249	50	10	40	0	4	352	86						
4	011.20.280	360	200	60	328	232	18	16	M14	28	2	281	279	50	10	40	0	4	384	94						
5	011.25.315	408	222	70	372	258	20	18	M16	32	2	316	314	60	10	50	0	5	435	85	2.9	4.4				
6	011.25.355	448	262	70	412	298	20	18	M16	32	2	356	354	60	10	50	0	5	475	93	2.9	4.4				
7	011.25.400	493	307	70	457	343	20	18	M16	32	2	401	399	60	10	50	0	6	528	86	3.5	5.3				
8	011.25.450	543	357	70	507	393	20	18	M16	32	2	451	449	60	10	50	0	6	576	94	3.5	5.3				
9	011.30.500	602	398	80	566	434	20	18	M16	32	4	501	498	70	10	60	0.5	5	629	123	3.7	5.2				
	012.30.500																	6	628.8	102	4.5	6.2				
9H	011.25.500	602	398	80	566	434	20	18	M16	32	4	501	499	70	10	60	0.5	5	629	123	3.7	5.2				
10	011.30.560	662	458	80	626	494	20	18	M16	32	4	561	558	70	10	60	0.5	5	689	135	3.7	5.2				
	012.30.560																	6	688.8	112	4.5	6.2				
10H	011.25.560	662	458	80	626	494	20	18	M16	32	4	561	559	70	10	60	0.5	5	689	135	3.7	5.2				
11	011.30.630	732	528	80	696	564	24	18	M16	32	4	631	628	70	10	60	0.5	6	772.8	126	4.5	6.2				
	012.30.630																	8	774.4	94	6	8.3				
11H	011.25.630	732	528	80	696	564	24	18	M16	32	4	631	629	70	10	60	0.5	6	772.8	126	4.5	6.2				
12	011.30.710	812	608	80	776	644	24	18	M16	32	4	711	708	70	10	60	0.5	6	850.8	139	4.5	6.2				
	012.30.710																	8	854.4	104	6	8.3				
12H	011.25.710	812	608	80	776	644	24	18	M16	32	4	711	709	70	10	60	0.5	6	850.8	139	4.5	6.2				
13	011.40.800	922	678	100	878	722	30	22	M20	40	6	801	798	90	10	80	0.5	8	966.4	118	8	11.1				
	012.40.800																	10	968	94	10	14				
13H	011.30.800	922	678	100	878	722	30	22	M20	40	6	801	798	90	10	80	0.5	8	966.4	118	8	11.1				
14	011.40.900	1022	778	100	978	822	30	22	M20	40	6	901	898	90	10	80	0.5	8	1062.4	130	8	11.1				
	012.40.900																	10	1068	104	10	14				
14H	011.30.900	1022	778	100	978	822	30	22	M20	40	6	901	898	90	10	80	0.5	8	1062.4	130	8	11.1				
15	011.40.1000	1122	878	100	1078	922	36	22	M20	40	6	1001	998	90	10	80	0.5	10	1188	116	10	14				
	012.40.1000																	12	1185.6	96	12	16.7				
15H	011.30.1000	1122	878	100	1078	922	36	22	M20	40	6	1001	998	90	10	80	0.5	10	1188	116	10	14				
16	012.30.1000																	12	1185.6	96	12	16.7				
	011.40.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10	80	0.5	10	1298	127	10	14				
	012.40.1120																	12	1305.6	106	12	16.7				

序号 No.	外齿式 External gear DL mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions							结构尺寸 Structural Dimensions						齿轮参数 Gear data				齿轮圆周力 Gearcircumferential force		参考 重量 weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	正火 Z 104N	调质 T 104N		
16H	011.30.1120 012.30.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10	80	0.5	10	1298	127	10	14	300	
17	011.45.1250 012.45.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1252	1248	100	10	90	0.5	12	1449.6	118	13.5	18.8	420	
	011.35.1250 012.35.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1251	1248	100	10	90	0.5	14	1453.2	101	15.8	21.9	420	
18	011.45.1400 012.45.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1402	1398	100	10	90	0.5	12	1605.6	131	13.5	18.8	480	
18H	011.35.1400 012.35.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1401	1398	100	10	90	0.5	14	1607.2	112	15.5	21.9	480	
	011.45.1600 012.45.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1602	1598	100	10	90	0.5	16	1820.8	111	18.1	25	550	
19H	011.35.1600 012.35.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1601	1598	100	10	90	0.5	14	1817.2	127	15.8	21.9	550	
20	011.45.1800 012.45.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1802	1798	100	10	90	0.5	16	2013.2	141	15.8	21.9	610	
20H	011.35.1800 012.35.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1801	1798	100	10	90	0.5	16	2013.2	141	15.8	21.9	610	
	011.60.2000 012.60.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2002	1998	132	12	120	0.5	16	2012.8	123	18.1	25	1100	
21H	011.40.2000 012.40.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2001	1998	132	12	120	0.5	18	2264.4	123	27.1	37.5	1100	
22	011.60.2240 012.60.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2242	2238	132	12	120	0.5	16	2268.8	139	24.1	33.3	1250	
	011.40.2240 012.40.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2241	2238	132	12	120	0.5	18	2492.8	153	24.1	33.3	1250	
23H	011.60.2500 012.60.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2502	2498	132	12	120	0.5	16	2498.4	136	27.1	37.5	1400	
24	011.40.2500 012.40.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2501	2498	132	12	120	0.5	18	2768.4	151	27.1	37.5	1400	
	011.60.2800 012.60.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	120	0.5	16	2492.8	153	24.1	33.3	1600	
24H	011.40.2800 012.40.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	120	0.5	18	2768.4	151	27.1	37.5	1600	
	011.75.3150 012.75.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12	150	0.5	16	2492.8	153	24.1	33.3	2800	
25H	011.50.3150 012.50.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12	150	0.5	20	3076	151	30.1	41.8	2800	

01 系列 - 内齿 Series 01--Internal gear

序号 No.v	内齿式 Internal gear D L mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions							结构尺寸 Structural Dimensions						齿轮参数 Gear data					齿轮周力 Gearcircumferential force		参考 重量 weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	正火 Z 104N	调质 T 104N			
1	013.25.315	408	222	70	372	258	20	18	M16	32	2	316	314	60	10	50	0	5	190	40	2.9	4.4			
2	013.25.355	448	262	70	412	298	20	18	M16	32	2	356	354	60	10	50	0	5	235	49	2.9	4.4			
3	013.25.400	493	307	70	457	343	20	18	M16	32	2	401	399	60	10	50	0	6	276	48	3.5	5.3			
4	013.25.450	543	357	70	507	393	20	18	M16	32	2	451	449	60	10	50	0	6	324	56	3.5	5.3			
5	013.30.500	602	398	80	566	434	20	18	M16	32	4	501	498	70	10	60	0.5	5	367	74	3.7	5.2	85		
	014.30.500																								
5H	013.25.500	602	398	80	566	434	20	18	M16	32	4	501	499	70	10	60	0.5	5	367	74	3.7	5.2	85		
	014.25.500																								
6	013.30.560	662	458	80	626	494	20	18	M16	32	4	561	558	70	10	60	0.5	5	427	86	3.7	5.2	95		
	014.30.560																								
6H	013.25.560	662	458	80	626	494	20	18	M16	32	4	561	559	70	10	60	0.5	5	427	86	3.7	5.2	95		
	014.25.560																								
7	013.30.630	732	528	80	696	564	24	18	M16	32	4	631	628	70	10	60	0.5	6	494.4	83	4.5	6.2	110		
	014.30.630																								
7H	013.25.630	732	528	80	696	564	24	18	M16	32	4	631	629	70	10	60	0.5	6	494.4	83	4.5	6.2	110		
	014.25.630																								
8	013.30.710	812	608	80	776	644	24	18	M16	32	4	711	708	70	10	60	0.5	6	572.4	96	4.5	6.2	120		
	014.30.710																								
8H	013.25.710	812	608	80	776	644	24	18	M16	32	4	711	709	70	10	60	0.5	6	572.4	96	4.5	6.2	120		
	014.25.710																								
9	013.40.800	922	678	100	878	722	30	22	M20	40	6	801	798	90	10	80	0.5	8	635.2	80	8	11.1	220		
	014.40.800																								
9H	013.30.800	922	678	100	878	722	30	22	M20	40	6	801	798	90	10	80	0.5	8	635.2	80	8	11.1	220		
	014.30.800																								
10	013.40.900	1022	778	100	978	822	30	22	M20	40	6	901	898	90	10	80	0.5	8	739.2	93	8	11.1	240		
	014.40.900																								
10H	013.30.900	1022	778	100	978	822	30	22	M20	40	6	901	898	90	10	80	0.5	8	739.2	93	8	11.1	240		
	014.30.900																								
11	013.40.1000	1122	878	100	1078	922	36	22	M20	40	6	1001	998	90	10	80	0.5	10	824	83	10	14	270		
	014.40.1000																								
11H	013.30.1000	1122	878	100	1078	922	36	22	M20	40	6	1001	998	90	10	80	0.5	10	824	83	10	14	270		
	014.30.1000																								
12	013.40.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10	80	0.5	10	944	95	10	14	300		
	014.40.1120																								
12H	013.30.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10	80	0.5	10	944	95	10	14	300		
	014.30.1120																								
13	013.45.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1252	1248	100	10	90	0.5	12	1048.8	88	13.5	18.8	420		
	014.45.1250																								

01 系列 - 内齿 (续)) Series 01--Internal gear

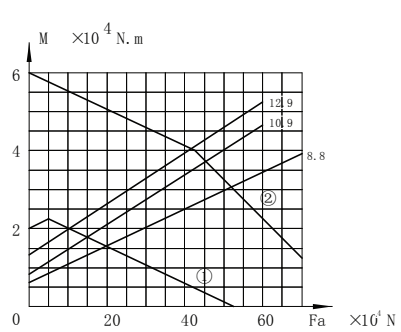
序号 No.v	内齿式 Internal gear D L	外型尺寸 Dimensions				安装尺寸 Mounting Dimensions							结构尺寸 Structural Dimensions							齿轮参数 Gear data					齿轮圆周力 Gearcircumferential force		参考重量 weight kg
		mm	d mm	H mm	D1 mm	D2 mm	n	mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	正火 Z 104N	调质 T 104N					
13H	013.35.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1251	1248	100	10	90	0.5	12	1048.8	88	13.5	18.8	420				
	014.35.1250																	14	1041.6	75	15.8	21.9					
14	013.45.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1402	1398	100	10	90	0.5	12	1192.8	100	13.5	18.8	480				
	014.45.1400																	14	1195.6	86	15.5	21.9					
14H	013.35.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1401	1398	100	10	90	0.5	12	1192.8	100	13.5	18.8	480				
	014.35.1400																	14	1195.6	86	15.8	21.9					
15	013.45.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1602	1598	100	10	90	0.5	14	1391.6	100	15.8	21.9	550				
	014.45.1600																	16	1382.4	87	18.1	25					
15H	013.35.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1601	1598	100	10	90	0.5	14	1391.6	100	15.8	21.9	550				
	014.35.1600																	16	1382.4	87	18.1	25					
16	013.45.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1802	1798	100	10	90	0.5	14	1573.6	113	15.8	21.9	610				
	014.45.1800																	16	1574.4	99	18.1	25					
16H	013.35.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1801	1798	100	10	90	0.5	14	1573.6	113	15.8	21.9	610				
	014.35.1800																	16	1574.4	99	18.1	25					
17	013.60.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2002	1998	132	12	120	0.5	16	1734.4	109	24.1	33.3	1100				
	014.60.2000																	18	1735.2	97	27.1	37.5					
17H	013.40.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2001	1998	132	12	120	0.5	16	1734.4	109	24.1	33.3	1100				
	014.40.2000																	18	1735.2	97	27.1	37.5					
18	013.60.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2242	2238	132	12	120	0.5	16	1990.4	125	24.1	33.3	1250				
	014.60.2240																	18	1987.2	111	27.1	37.5					
18H	013.40.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2241	2238	132	12	120	0.5	16	1990.4	125	24.1	33.3	1250				
	014.40.2240																	18	1987.2	111	27.1	37.5					
19	013.60.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2502	2498	132	12	120	0.5	18	2239.2	125	27.1	37.5	1400				
	014.60.2500																	20	2228	112	30.1	41.8					
19H	013.40.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2501	2498	132	12	120	0.5	18	2239.2	125	27.1	37.5	1400				
	014.40.2500																	20	2228	112	30.1	41.8					
20	013.60.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	120	0.5	18	2527.2	141	27.1	37.5	1600				
	014.60.2800																	20	2528	127	30.1	41.8					
20H	013.40.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	120	0.5	18	2527.2	141	27.1	37.5	1600				
	014.40.2800																	20	2528	127	30.1	41.8					
21	013.75.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12	150	0.5	20	2828	142	37.7	52.2	2800				
	014.75.3150																	22	2824.8	129	41.5	57.4					
21H	013.50.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12	150	0.5	20	2828	142	37.7	52.2	2800				
	014.50.3150																	22	2824.8	129	41.5	57.4					

01系列负载曲线图

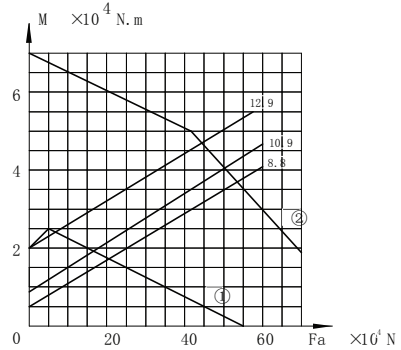
Series 01 Load Chart

01系列负载曲线图

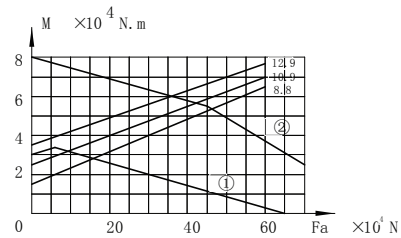
Series 01 Load Chart



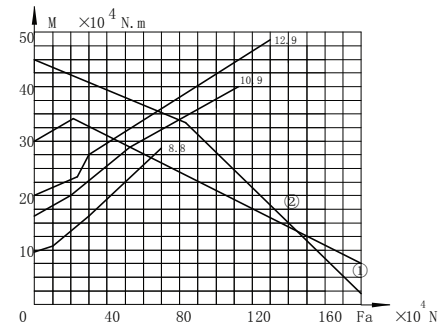
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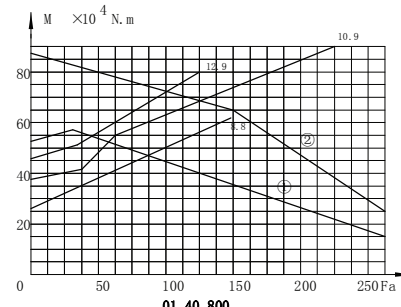
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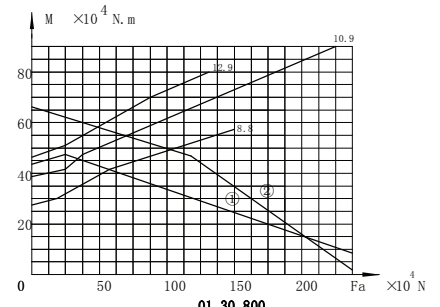
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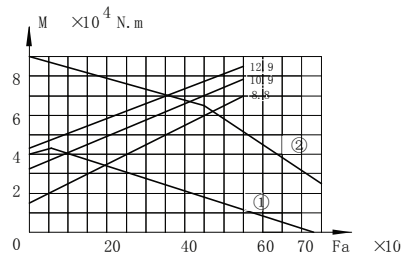
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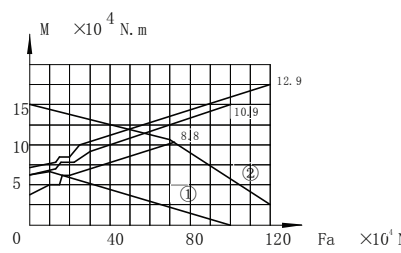
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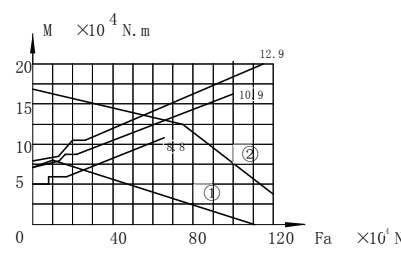
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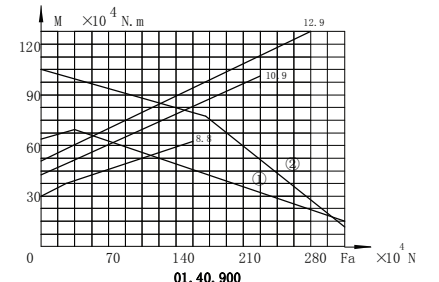
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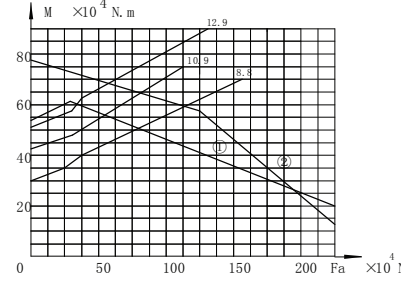
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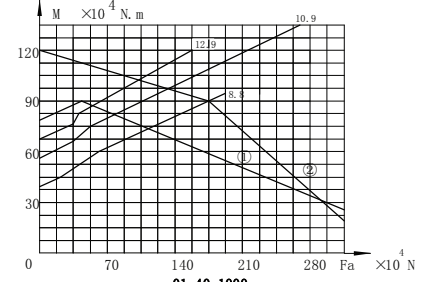
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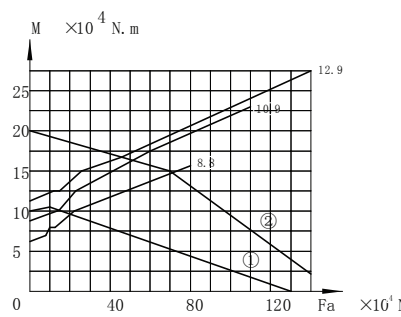
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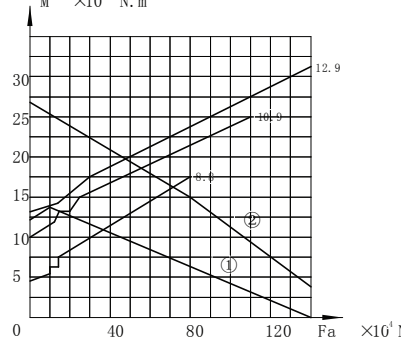
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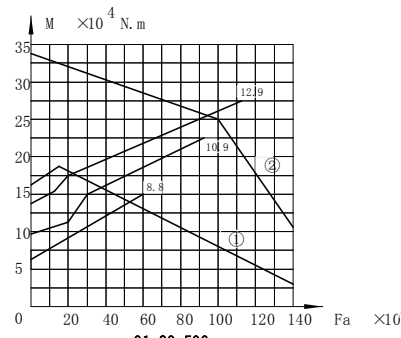
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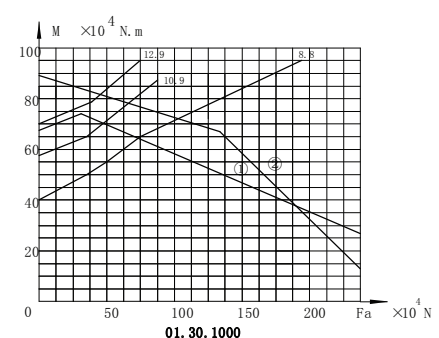
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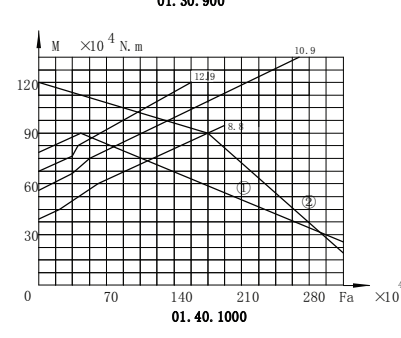
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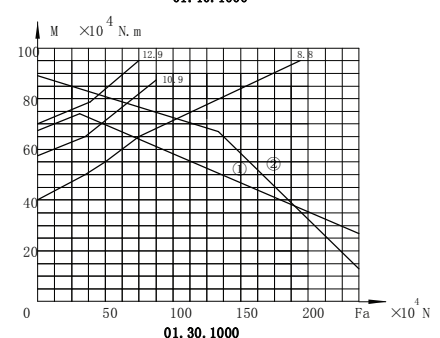
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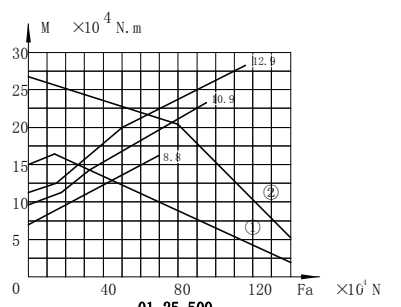
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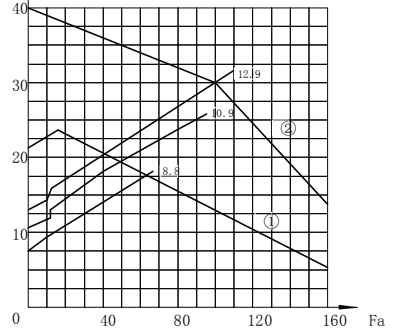
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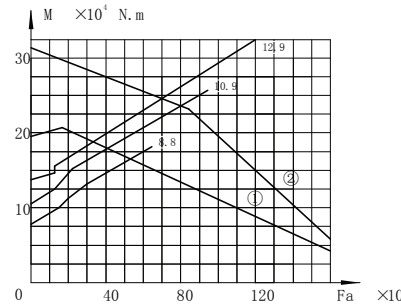
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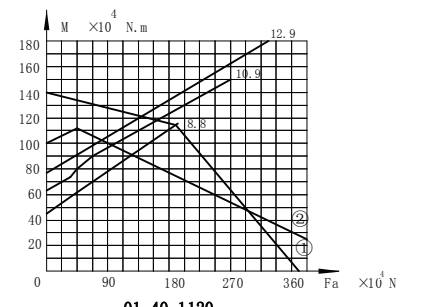
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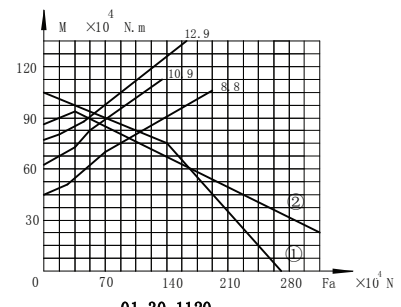
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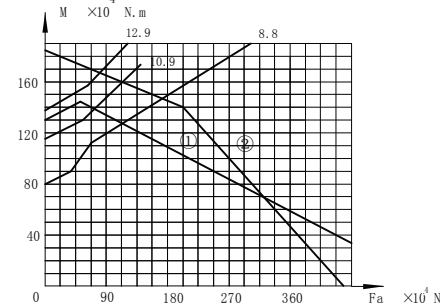
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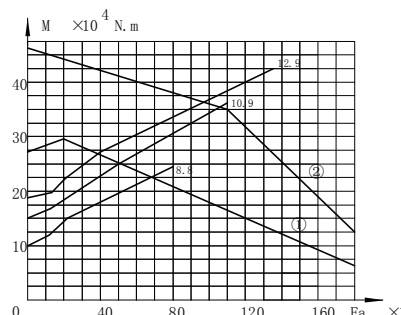
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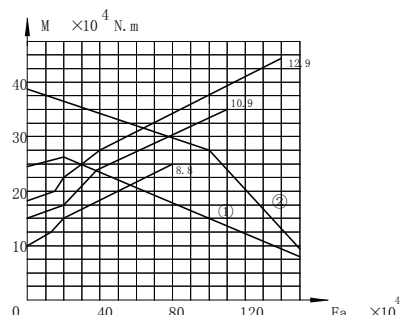
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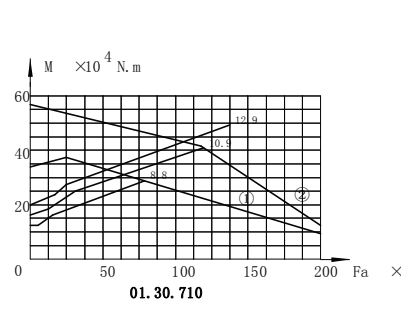
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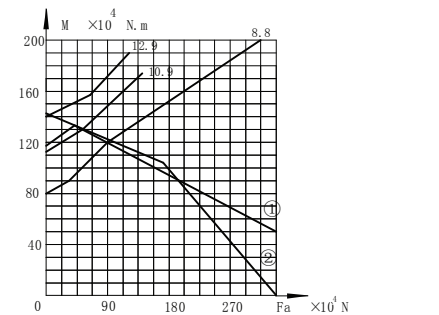
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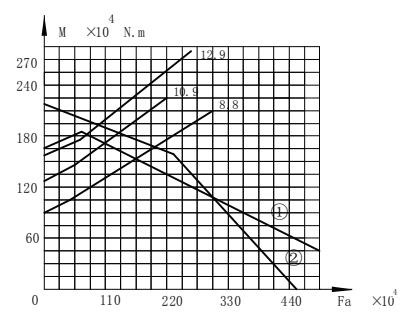
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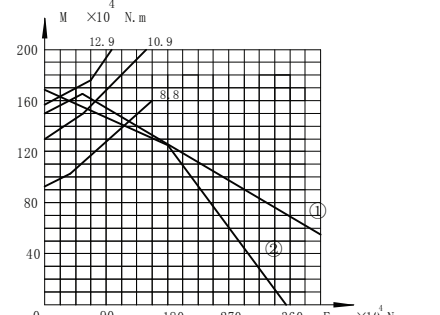
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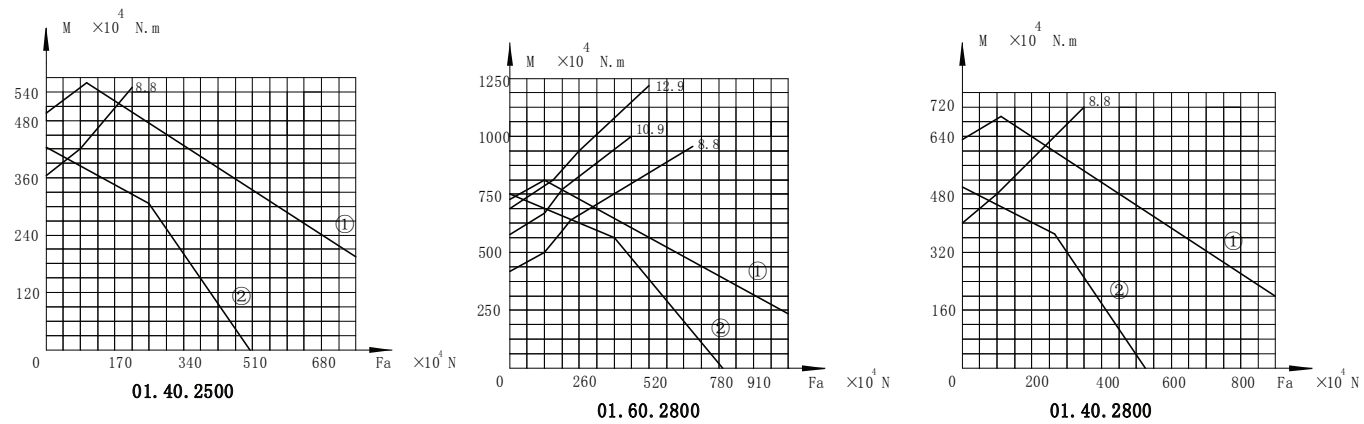
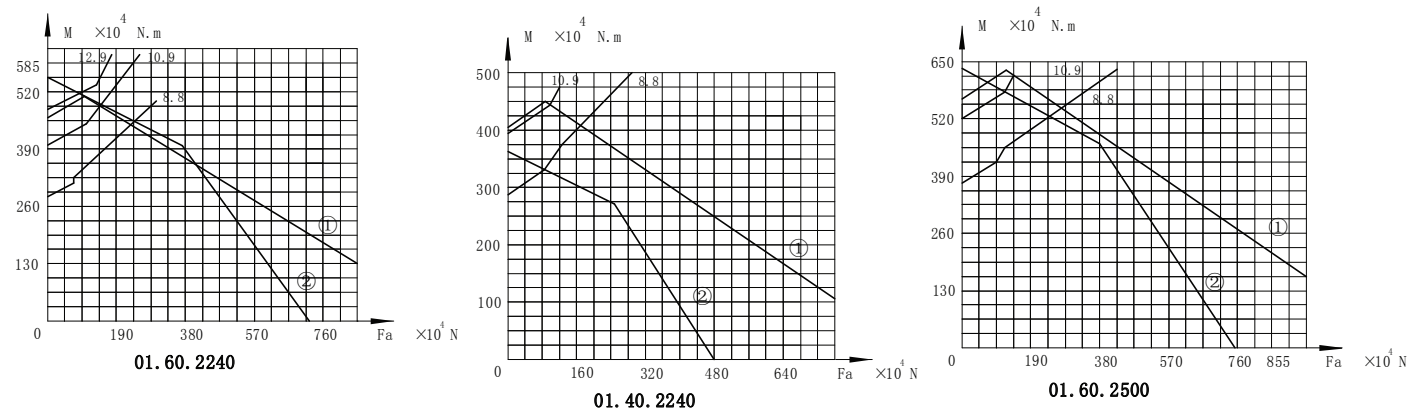
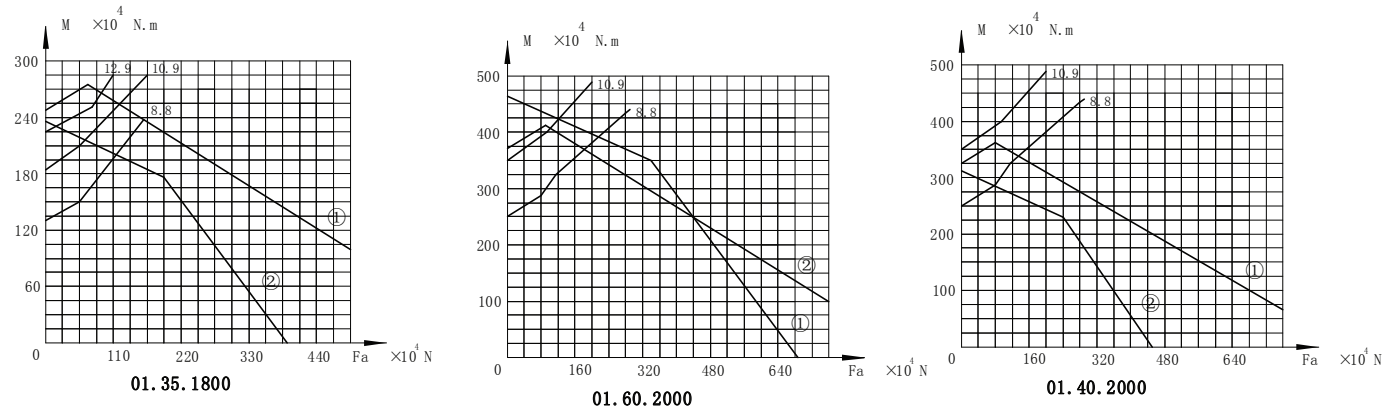
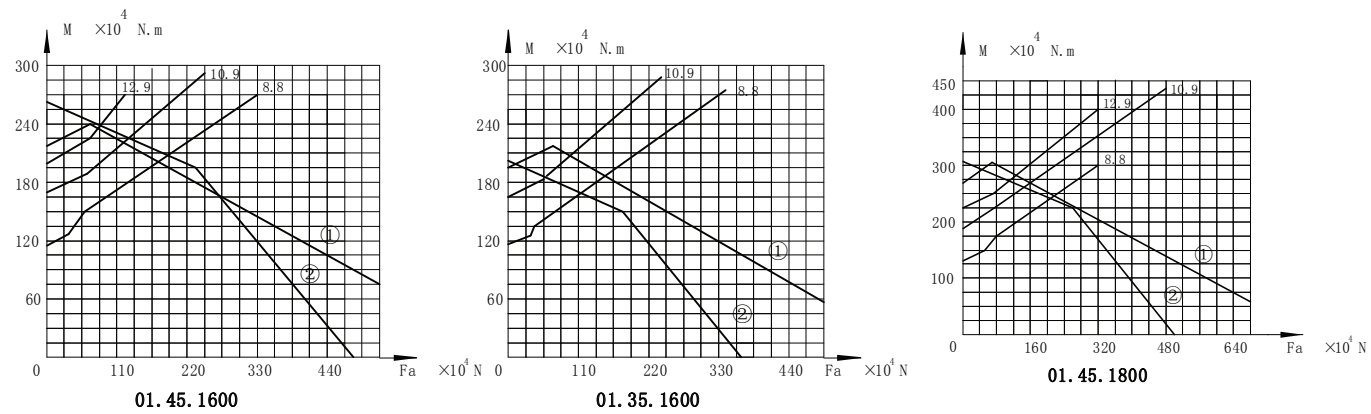


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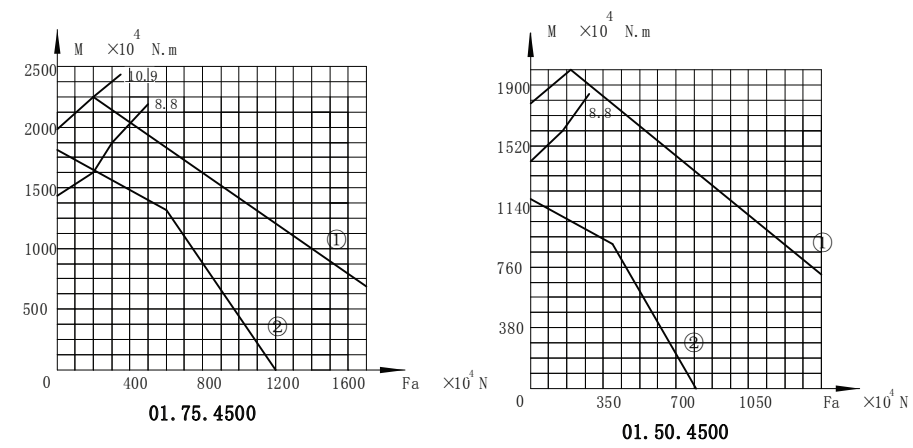
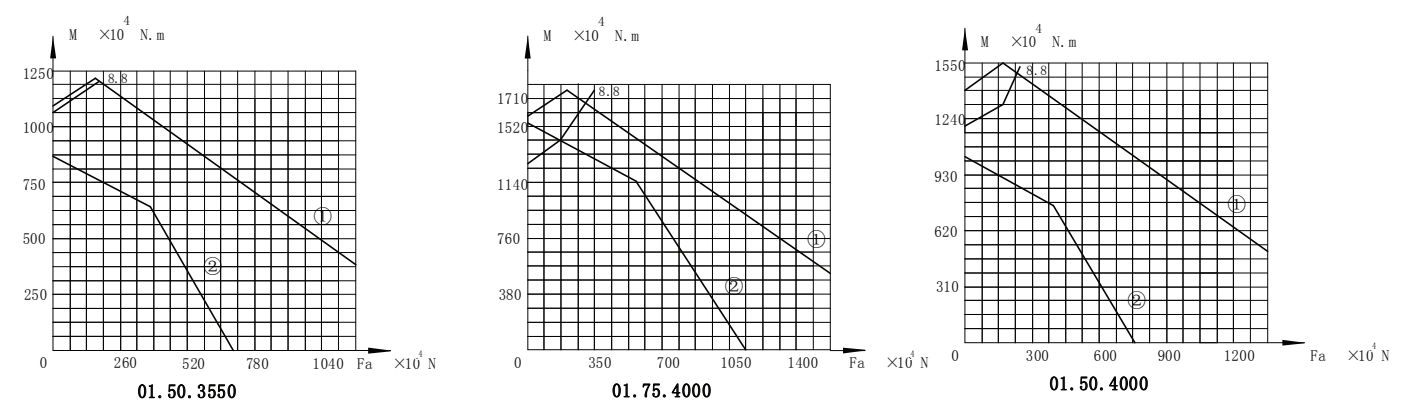
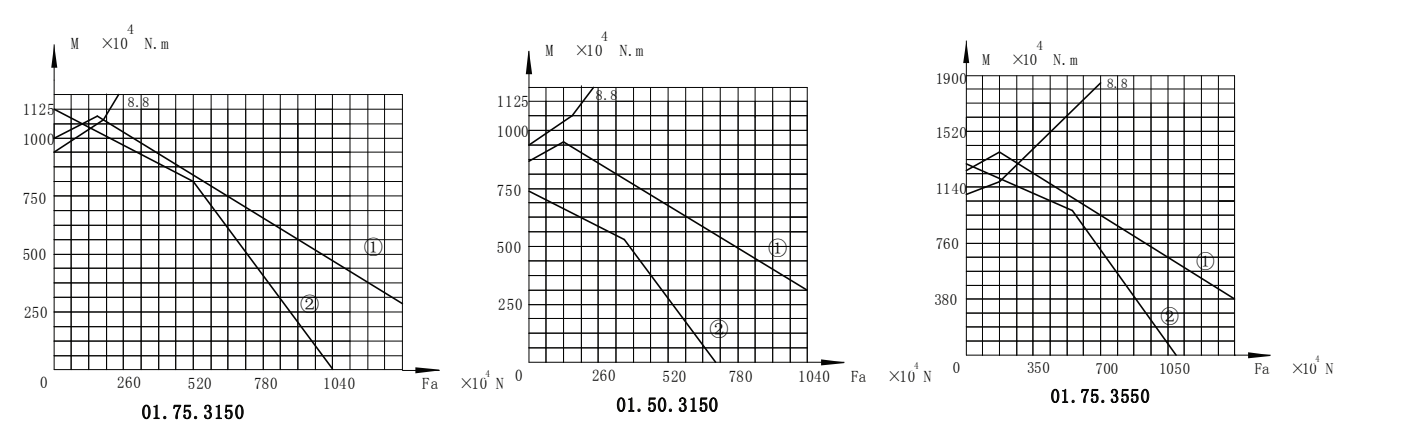


01.35.1400

01系列负载曲线图
Series 01 Load Chart



01系列负载曲线图
Series 01 Load Chart



HELIN

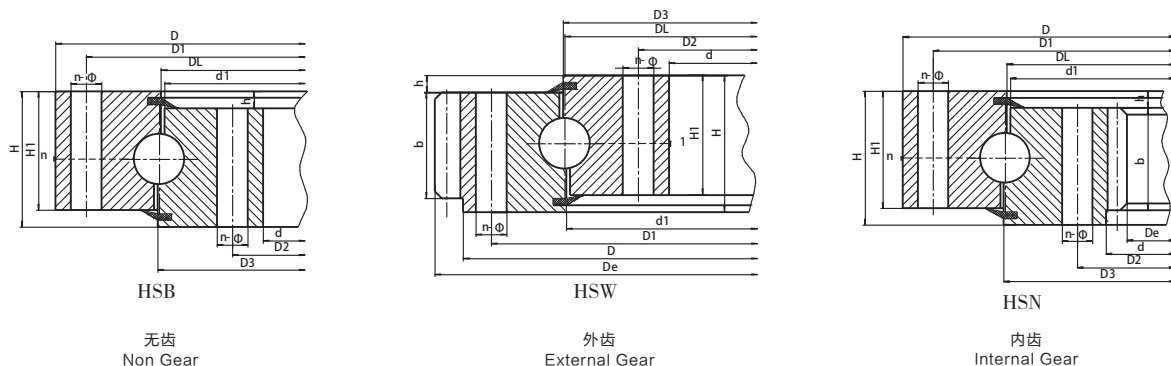
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HS系列 单排四点接触球式回转支承

Series HS Single Row Four Point Contact Ball Slewing Bearing



结构特点、性能、适用范围

单排四点接触球式回转支承由两个座圈组成，结构紧凑、重量轻、钢球与圆弧滚道四点接触，能同时承受轴向力、径向力和倾翻力矩。回转式输送机、焊接操作机、中小型起重机和挖掘机等工程机械均可选用。

注：

- 1、n1为润滑油孔数，均布：油杯M10×1 JB/T7940.1-TB7940.2。
- 2、安装孔 $n-\Phi$ 可改用螺孔；齿宽b可改为H-h。
- 3、表内齿轮圆周力为最大圆周力，额定圆周力取其1/2。
- 4、表内变位系数均为外齿式设计。

Characteristic of structure, performance and application

The single row four point contact ball slewing bearing is composed of two seat rings, which design in compact structure and light weight, steel ball contact with the circular raceway at four point, it can bear the axial force, radial force and the tilting moment at the same time.

It can be used for slewing conveyer, welding manipulator, light & medium duty crane, excavator, and other construction machinery.

Note:

- 1.n1 is the number of lubricating holes,evenly distributed,lubricating nipple M10*1 JB/T7940.1-JB/T7940.2.
- 2.Mounting hole $n\Phi$,may be replaced with screw hole,tooth width b may be taken as H-h.
- 3.Gear force of periphery given in the table is its maximum value,nominal force of periphery is taken 1/2 of the given value.
- 4.The spaceshift coefficient given in the table is the data of outer tooth,while that of inner tooth is +0.35.(need revise)

HS 系列 - 无齿 Series HS--Non Gear

序号 No.	基本型号 Model 无齿式 Non gear DL mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions				结构尺寸 Structural Dimensions					参考重量 Weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	
1	HSB.25.625	725	525	80	685	565	18	18	3	626	624	68	12	100
2	HSB.25.720	820	620	80	780	660	18	18	3	721	719	68	12	120
3	HSB.30.820	940	705	95	893	749	24	20	4	821	818	83	12	210
4	HSB.30.880	1000	760	95	956	800	24	20	4	881	878	83	12	230
5	HSB.30.1020	1170	875	95	1120	930	24	22	4	1021	1018	80	15	300
6	HSB.30.1220	1365	1075	120	1310	1130	36	24	6	1221	1218	105	15	450
7	HSB.35.1250	1400	1090	120	1350	1150	36	26	6	1251	1248	105	15	520
8	HSB.35.1435	1595	1278	120	1535	1335	36	26	6	1436	1433	105	15	610
9	HSB.35.1540	1720	1360	140	1660	1420	42	26	6	1541	1538	122	18	732
10	HSB.35.1700	1875	1525	140	1815	1585	42	29	6	1701	1698	122	18	844
11	HSB.40.1880	2100	1665	160	2030	1740	48	32	6	1881	1878	140	20	1400
12	HSB.40.2115	2325	1900	160	2245	1980	48	32	6	2116	2113	140	20	1600
13	HSB.40.2370	2600	2146	180	2520	2220	48	32	6	2371	2368	158	22	2100
14	HSB.40.2600	2835	2365	180	2750	2450	54	36	6	2601	2598	158	22	2400
15	HSB.50.2820	3085	2555	200	3000	2640	54	36	6	2822	2818	178	22	3400
16	HSB.50.3120	3400	2840	200	3310	2930	54	36	6	3122	3118	178	22	4000
17	HSB.50.3580	3920	3240	240	3820	3340	60	40	6	3582	3578	218	22	6700
18	HSB.50.4030	4370	3690	240	4270	3790	66	40	6	4032	4028	218	22	7700
19	HSB.50.4540	4860	4210	240	4760	4310	72	40	6	4542	4538	218	22	8760

HS 系列 - 外齿 Series HS--External gear

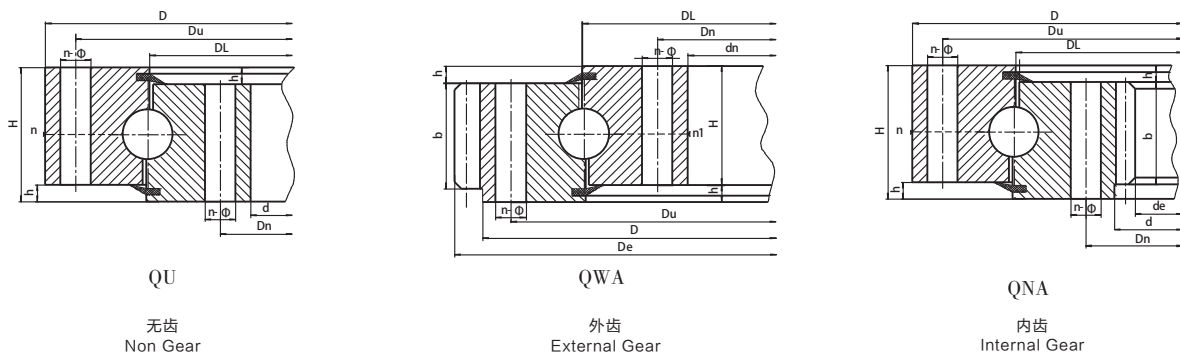
序号 No.	外齿式 External gear DL mm	外型尺寸 Dimensions		安装尺寸 Mounting Dimensions				结构尺寸 Structural Dimensions						齿轮参数 Gear data				齿轮 圆周力 earcircumferential force	参考 重量 weight kg	
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm			z
1	HSW 25.625	725	525	80	685	565	18	18	3	626	624	68	12	60	1.4	5	751.9	146	5.2	100
	HSW 25.625A														1.15	6	755.5	122	6.2	
2	HSW 25.720	820	620	80	780	660	18	18	3	721	719	68	12	60	1.4	6	860.3	139	6.2	120
	HSW 25.720A														1	8	861.1	104	8.3	
3	HSW 30.820	940	705	95	893	749	24	20	4	821	818	83	12	70	1.4	6	980.6	159	7.2	210
	HSW 30.820A														1	10	986.2	95	12.2	
4	HSW 30.880	1000	760	95	956	800	24	20	4	881	878	83	12	70	1.15	8	1047.5	127	9.7	230
	HSW 30.880A														1	10	1046.3	101	12.2	
5	HSW 30.1020	1170	875	95	1120	930	24	22	4	1021	1018	80	15	70	1.4	8	1219.3	148	9.7	300
	HSW 30.1020A														1.15	10	1219.2	118	12.2	
6	HSW 30.1220	1365	1075	120	1310	1130	36	24	6	1221	1218	105	15	90	1.4	10	1424.9	138	15.7	450
	HSW 30.1220A														1	12	1435.9	116	18.8	
7	HSW 35.1250	1400	1090	120	1350	1150	36	26	6	1251	1248	105	15	90	-0.35	10	1443	143	15.7	520
	HSW 35.1250A														1	12	1449.6	117	18.8	
8	HSW 35.1435	1595	1278	120	1535	1335	36	26	6	1436	1433	105	15	90	1.15	12	1655.5	134	18.8	610
	HSW 35.1435A														1	14	1661.2	115	21.9	
9	HSW 35.1540	1720	1360	140	1660	1420	42	26	6	1541	1538	122	18	110	1.4	12	1780.8	144	23	732
	HSW 35.1540A														1.15	14	1791.1	124	26.8	
10	HSW 35.1700	1875	1525	140	1815	1585	42	29	6	1701	1698	122	18	110	1.15	14	1945.4	135	26.8	844
	HSW 35.1700A														1.15	16	1950.8	118	30.5	
11	HSW 40.1880	2100	1665	160	2030	1740	48	32	6	1881	1878	140	20	115	1.4	14	2189.8	152	27.8	1400
	HSW 40.1880A														1.15	18	2194.6	118	35.8	
12	HSW 40.2115	2325	1900	160	2245	1980	48	32	6	2116	2113	140	20	115	1.4	16	2406.5	146	31.9	1600
	HSW 40.2115A														1.15	20	2418.4	117	40	
13	HSW 40.2370	2600	2146	180	2520	2220	48	32	6	2371	2368	158	22	130	1.4	18	2707.3	146	40.7	2100
	HSW 40.2370A														1.15	22	2704.4	119	49.7	
14	HSW 40.2600	2835	2365	180	2750	2450	54	36	6	2601	2598	158	22	130	1.4	18	2941.7	159	37.6	2400
	HSW 40.2600A														1.15	22	2946.9	130	45.9	
15	HSW 50.2820	3085	2555	200	3000	2640	54	36	6	2822	2818	178	22	150	1.4	20	3188.4	155	52.2	3400
	HSW 50.2820A														1.15	25	3198.4	124	65.3	
16	HSW 50.3120	3400	2840	200	3310	2930	54	36	6	3122	3118	178	22	150	1.4	22	3507.2	155	57.4	4000
	HSW 50.3120A														1.4	25	3509.6	136	65.3	
17	HSW 50.3580	3920	3240	240	3820	3340	60	40	6	3582	3578	218	22	190	1.4	22	4036.1	179	72.7	6700
	HSW 50.3580A														1.4	25	4035.6	157	82.6	
18	HSW 50.4030	4370	3690	240	4270	3790	66	40	6	4032	4028	218	22	190	1.4	22	4520.6	201	53.6	7700
	HSW 50.4030A														1.4	28	4522.4	157	68.2	
19	HSW 50.4540	4860	4210	240	4760	4310	72	40	6	4542	4538	218	22	190	1.4	22	4983.1	222	72.1	8760
	HSW 50.4540A														1.4	30	4992.9	162	99.1	

HS 系列 - 内齿 Series HS--Internal gear

序号 No.	内齿式 Internal gear D L mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions				结构尺寸 Structural Dimensions							齿轮参数 Gear data				齿轮 圆周力 earcircumferential force	参考 重量 weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z			
1	HSN.25.625	725	525	80	685	565	18	18	3	626	624	68	12	60	1.4	5	498.8	101	5.2	100	
	HSN.25.625A													1.15	6	496.7	84	6.2			
2	HSN.25.720	820	620	80	780	660	18	18	3	721	719	68	12	60	1.4	6	586.6	99	6.2	120	
	HSN.25.720A													1	8	582.3	74	8.3			
3	HSN.30.820	940	705	95	893	749	24	20	4	821	818	83	12	70	1.4	6	664.5	112	7.2	210	
	HSN.30.820A													1	10	658	67	12.2			
4	HSN.30.880	1000	760	95	956	800	24	20	4	881	878	83	12	70	1.15	8	718.2	91	9.7	230	
	HSN.30.880A													1	10	707.9	72	12.2			
5	HSN.30.1020	1170	875	95	1120	930	24	22	4	1021	1018	80	15	70	1.4	8	830.1	105	9.7	300	
	HSN.30.1020A													1.15	10	827.8	84	12.2			
6	HSN.30.1220	1365	1075	120	1310	1130	36	24	6	1221	1218	105	15	90	1.4	10	1027.8	104	15.7	450	
	HSN.30.1220A													1	12	1017.3	86	18.8			
7	HSN.35.1250	1400	1090	120	1350	1150	36	26	6	1251	1248	105	15	90	-0.35	10	1037	105	15.7	520	
	HSN.35.1250A													1	12	1028.8	87	18.8			
8	HSN.35.1435	1595	1278	120	1535	1335	36	26	6	1436	1433	105	15	90	1.15	12	1221.2	103	18.8	610	
	HSN.35.1435A													1	14	1214.8	88	21.9			
9	HSN.35.1540	1720	1360	140	1660	1420	42	26	6	1541	1538	122	18	110	1.4	12	1293.1	109	23	732	
	HSN.35.1540A													1.15	14	1284.8	93	26.8			
10	HSN.35.1700	1875	1525	140	1815	1585	42	29	6	1701	1698	122	18	110	1.15	14	1452.7	105	26.8	844	
	HSN.35.1700A													1.15	16	1452.3	92	30.5			
11	HSN.40.1880	2100	1665	160	2030	1740	48	32	6	1881	1878	140	20	115	1.4	14	1592.6	115	27.8	1400	
	HSN.40.1880A													1.15	18	1579.9	89	35.8			
12	HSN.40.2115	2325	1900	160	2245	1980	48	32	6	2116	2113	140	20	115	1.4	16	1804.1	114	31.9	1600	
	HSN.40.2115A													1.15	20	1795.4	91	40			
13	HSN.40.2370	2600	2146	180	2520	2220	48	32	6	2371	2368	158	22	130	1.4	18	2065.6	116	40.7	2100	
	HSN.40.2370A													1.15	22	2040.9	94	49.7			
14	HSN.40.2600	2835	2365	180	2750	2450	54	36	6	2601	2598	158	22	130	1.4	18	2263.5	127	37.6	2400	
	HSN.40.2600A													1.15	22	2260.8	104	45.9			
15	HSN.50.2820	3085	2555	200	3000	2640	54	36	6	2822	2818	178	22	150	1.4	20	2455	124	52.2	3400	
	HSN.50.2820A													1.15	25	2444.1	99	65.3			
16	HSN.50.3120	3400	2840	200	3310	2930	54	36	6	3122	3118	178	22	150	1.4	22	2722.5	125	57.4	4000	
	HSN.50.3120A													1.4	25	2719	110	65.3			
17	HSN.50.3580	3920	3240	240	3820	3340	60	40	6	3582	3578	218	22	190	1.4	22	3118.4	143	72.7	6700	
	HSN.50.3580A													1.4	25	3118.8	126	82.6			
18	HSN.50.4030	4370	3690	240	4270	3790	66	40	6	4032	4028	218	22	190	1.4	22	3558.3	163	53.6	7700	
	HSN.50.4030A													1.4	28	3549	128	68.2			
19	HSN.50.4540	4860	4210	240	4760	4310	72	40	6	4542	4538	218	22	190	1.4	22	4042.2	185	72.1	8760	
	HSN.50.4540A													1.4	30	4042.4	136	99.1			

Q系列 单排四点接触球式回转支承

Series Q Single Row Four Point Contact Ball Slewing Bearing



结构特点、性能、适用范围

单排四点接触球式回转支承由两个座圈组成，结构紧凑，重量轻，钢球与圆弧滚道四点接触，能同时承受轴向力，径向力和倾翻力矩，回转式输送机，焊接操作机，中小型起重机和挖掘机等工程机械均可选用。

注：

- 1、n1为润滑油孔数，均布：油杯M10×1 JB/T7940.1~JB/T7940.2
- 2、安装孔n-φ可改用螺孔；齿宽b可改为H-h。
- 3、表内齿圈圆周力为最大圆周力，额定圆周力取其1/2。

Characteristic of structure, performance and application

The single row four point contact ball slewing bearing is composed of two seat rings, which design in compact structure and light weight, steel ball contact with the circular raceway at four point, it can bear the axial force, radial force and the tilting moment at the same time.

It can be used for slewing conveyer, welding manipulator, light & medium duty crane, excavator, and other construction machinery.

Note:

1. n1 is the number of lubricating holes.Oil cup M10×1JB/T7940.1~JB/T7940.2.The Oil nipple's location can be changed according to the user's application.
2. n-φ can be changed to tapped hole,the diameter of tapped hole is M,depth is 2M.
3. The tangential tooth force in the form is the maximum tooth force,the nominal tangential tooth force is 1/2 of the max one.
4. "K" is addendum reduction coefficient.

Q 系列 - 无齿 Series Q--Non Gear

序号 No.	型号 Model	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions						结构 尺寸 Structural Dimensions		
		无齿式 Non gear		H	Du	Dn	n	通孔 A Through Hole A	螺孔 B/C/D Screw Hole B/C/D		n1 油 杯数量	h	重量 Weight
		D	d					φ	d1	T			
		mm						mm					
1	QU.315.20	408	222	60	370	260	10	17	M16	24	2	10	34
2	QU.355.20	448	262	60	410	300	10	17	M16	24	2	10	39
3	QU.400.20	493	307	60	455	345	12	17	M16	24	2	10	44
4	QU.450.20	543	357	60	505	395	12	17	M16	24	2	10	50
5	QU.500.20	593	407	60	555	445	14	17	M16	24	2	10	55
6	QU.560.20	656	464	70	618	502	14	17	M16	30	2	10	76
7	QU.630.20	726	534	70	688	572	16	17	M16	30	2	10	84
8	QU.710.20	806	614	70	768	652	18	17	M16	30	2	10	97
9	QU.800.20	896	704	70	858	742	20	17	M16	30	2	10	110
10	QU.800.25	908	692	78	864	736	18	22	M20	36	2	10	142
11	QU.900.25	1008	792	78	964	836	20	22	M20	36	2	10	163
12	QU.1000.25	1108	892	78	1064	936	24	22	M20	36	2	10	178
13	QU.1000.32	1124	876	90	1074	926	24	24	M22	40	2	10	230
14	QU.1120.32	1244	996	90	1194	1046	28	24	M22	40	4	10	263
15	QU.1250.32	1374	1126	90	1324	1176	32	24	M22	40	4	10	294
16	QU.1400.32	1524	1276	90	1474	1326	36	24	M22	40	4	10	333
17	QU.1250.40	1394	1108	102	1336	1164	32	26	M24	45	4	12	388
18	QU.1400.40	1544	1258	102	1486	1314	36	26	M24	45	4	12	444
19	QU.1600.40	1744	1458	102	1686	1514	40	26	M24	45	4	12	509
20	QU.1800.40	1944	1658	102	1886	1714	44	26	M24	45	4	12	576
21	QU.1600.50	1766	1434	124	1704	1496	40	30	M27	50	4	12	714
22	QU.1800.50	1966	1634	124	1904	1696	44	30	M27	50	4	12	794
23	QU.2000.50	2166	1834	124	2104	1896	48	30	M27	50	6	12	891
24	QU.2240.50	2406	2074	124	2344	2136	54	30	M27	50	6	12	1044
25	QU.2500.50	2666	2334	124	2604	2396	60	30	M27	50	6	12	1132
26	QU.2500.60	2696	2304	150	2626	2374	60	33	M30	56	6	14	1621

Q系列 - 外齿 Series Q--External gear

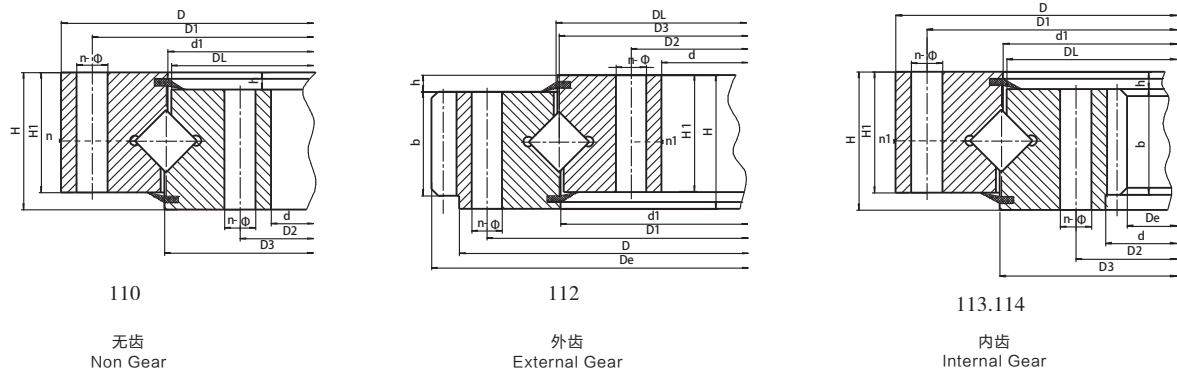
20 徐州海林
Xuzhou Helin

Q 系列 - 内齿 Series Q--Internal gear

徐州海林
Xuzhou Helin

11系列 单排交叉滚柱式回转支承

Series 11 Single Row Crossed Roller Slewing Bearing



结构特点、性能、适用范围

单排交叉滚柱式回转支承，由两个座圈组成，结构紧凑、重量轻、制造精度高，装配间隙小，对安装精度要求高，滚柱为1：1交叉排列，能同时承受轴向力，倾翻力矩和较大的径向力，被广泛地用于起重运输、工程机械和军工产品上。

注：

- 1、n1为润滑油孔数，均布：油杯M10×1 JB/T7940.1~JB/T7940.2
- 2、安装孔n-φ可改用螺孔；齿宽b可改为H-h。
- 3、表内齿轮圆周力为最大圆周力，额定圆周力取其1/2。
- 4、内齿修顶系数为0.2。

Characteristic of structure, performance and application

The single row crossed roller slewing bearing is composed of two seat rings, which design in compact structure and light weight, the clearance is small when assembly, so need high precision. The roller are 1:1 cross arranged, it can bear the axial force, tilting moment and relatively large radial force. It is widely used for hoisting, transportation, construction machinery, and the military products.

Note:

1. n1 is the number of lubricating holes.Oil cup M10×1JB/T7940.1~JB/T7940.2.The Oil nipple's location can be changed according to the user's application.
2. n-φ can be changed to tapped hole,the diameter of tapped hole is M,depth is 2M.
3. The tangential tooth force in the form is the maximum tooth force,the nominal tangential tooth force is 1/2 of the max one.
4. "K" is addendum reduction coefficient.

11 系列 - 无齿 Series 11--Non Gear

序号 No.	无齿式 Non gear DL mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions							结构尺寸 Structural Dimensions					参考重量 Weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm		
1	110.25.500	602	398	75	566	434	20	18	M16	32	4	498	502	65	10	80	
2	110.25.560	662	458	75	626	494	20	18	M16	32	4	558	562	65	10	90	
3	110.25.630	732	528	75	696	564	24	18	M16	32	4	628	632	65	10	100	
4	110.25.710	812	608	75	776	644	24	18	M16	32	4	708	712	65	10	110	
5	110.28.800	922	678	82	878	722	30	22	M20	40	6	798	802	72	10	170	
6	110.28.900	1022	778	82	978	822	30	22	M20	40	6	898	902	72	10	190	
7	110.28.1000	1122	878	82	1078	922	36	22	M20	40	6	998	1002	72	10	210	
8	110.28.1120	1242	998	82	1198	1042	36	22	M20	40	6	1118	1122	72	10	230	
9	110.32.1250	1390	1110	91	1337	1163	40	26	M24	48	5	1248	1252	81	10	350	
10	110.32.1400	1540	1260	91	1487	1313	40	26	M24	48	5	1398	1402	81	10	400	
11	110.32.1600	1740	1460	91	1687	1513	45	26	M24	48	5	1598	1602	81	10	440	
12	110.32.1800	1940	1660	91	1887	1713	45	26	M24	48	5	1798	1802	81	10	500	
13	110.40.2000	2178	1825	112	2110	1891	48	33	M30	60	8	1997	2003	100	12	900	
14	110.40.2240	2418	2065	112	2350	2131	48	33	M30	60	8	2237	2243	100	12	1000	
15	110.40.2500	2678	2325	112	2610	2391	56	33	M30	60	8	2497	2503	100	12	1100	
16	110.40.2800	2978	2625	112	2910	2691	56	33	M30	60	8	2797	2803	100	12	1250	
17	110.50.3150	3376	2922	134	3286	3014	56	45	M42	84	8	3147	3153	122	12	2150	
18	110.50.3550	3776	3322	134	3686	3414	56	45	M42	84	8	3547	3553	122	12	2470	
19	110.50.4000	4226	3772	134	4136	3864	60	45	M42	84	10	3997	4003	122	12	2800	
20	110.50.4500	4726	4272	134	4636	4364	60	45	M42	84	10	4497	4503	122	12	3100	

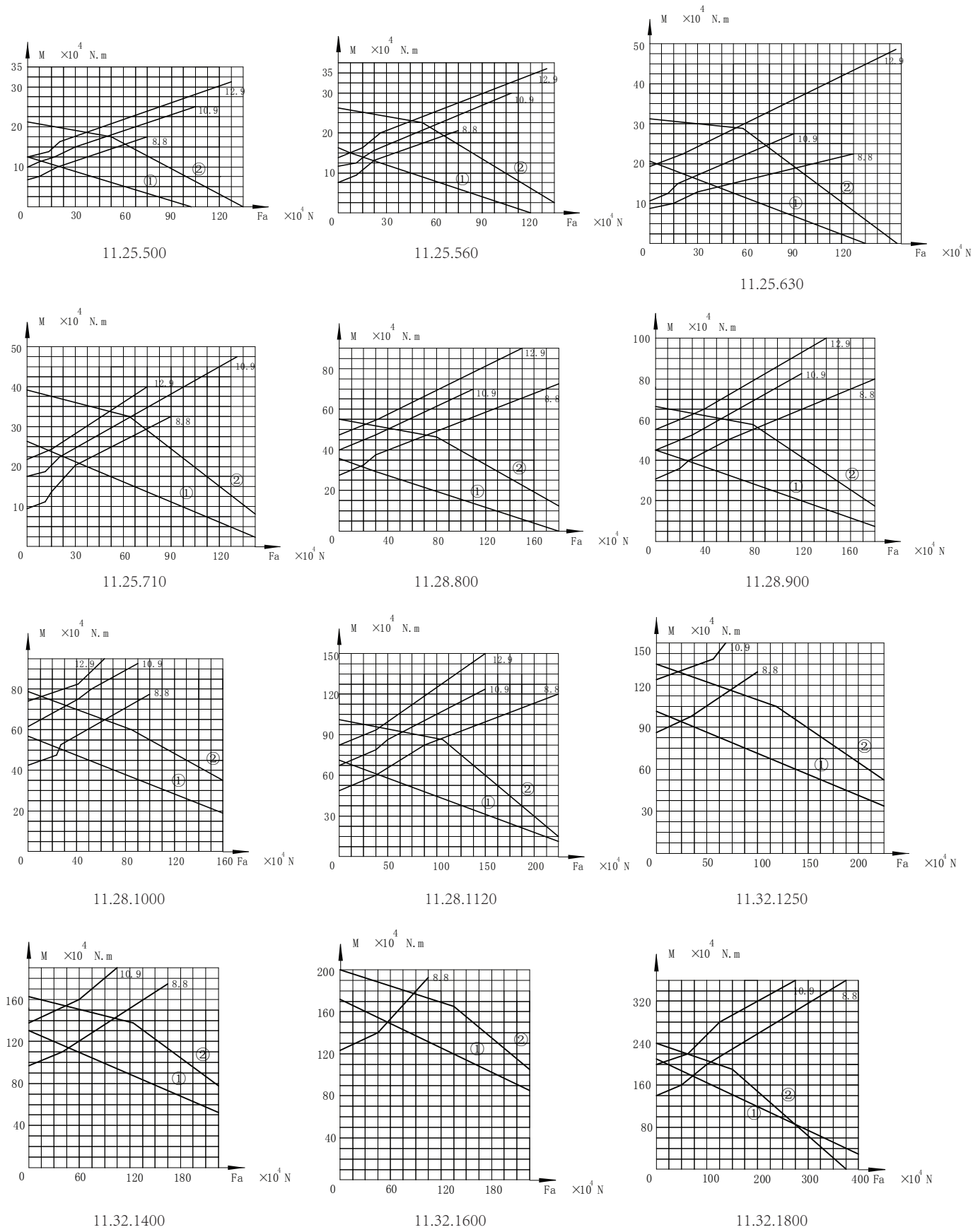


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序号 No.	外齿式 External gear DL mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions							结构尺寸 Structural Dimensions							齿轮参数 Gear data					齿轮圆周力 Gearcircumferential force		参考 重量 weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	正火 Z 104N	调质 T 104N				
1	111.25.500	602	398	75	566	434	20	18	M16	32	4	498	502	65	10	60	0.5	5	629	123	3.7	5.2	80			
	6																	628.8	102	4.5	6.2					
2	111.25.560	662	458	75	626	494	20	18	M16	32	4	558	562	65	10	60	0.5	5	689	135	3.7	5.2	90			
	6																	688.8	112	4.5	6.2					
3	111.25.630	732	528	75	696	564	24	18	M16	32	4	628	632	65	10	60	0.5	6	772.8	126	4.5	6.2	100			
	8																	774.4	94	6	8.3					
4	111.25.710	812	608	75	776	644	24	18	M16	32	4	708	712	65	10	60	0.5	6	850.8	139	4.5	6.2	110			
	8																	854.4	104	6	8.3					
5	111.28.800	922	678	82	878	722	30	22	M20	40	6	798	802	72	10	65	0.5	8	966.4	118	6.5	9.1	170			
	10																	968	94	8.1	11.4					
6	111.28.900	1022	778	82	978	822	30	22	M20	40	6	898	902	72	10	65	0.5	8	1062.4	130	6.5	9.1	190			
	10																	1068	104	8.1	11.4					
7	111.28.1000	1122	878	82	1078	922	36	22	M20	40	6	998	1002	72	10	65	0.5	10	1188	116	8.1	11.4	210			
	12																	1185.6	96	9.7	13.6					
8	111.28.1120	1242	998	82	1198	1042	36	22	M20	40	6	1118	1122	72	10	65	0.5	10	1298	127	8.1	11.4	230			
	12																	1305.6	106	9.7	13.6					
9	111.32.1250	1390	1110	91	1337	1163	40	26	M24	48	5	1248	1252	81	10	75	0.5	12	1449.6	118	11.3	15.7	350			
	14																	1453.2	101	13.2	18.2					
10	111.32.1400	1540	1260	91	1487	1313	40	26	M24	48	5	1398	1402	81	10	75	0.5	12	1605.6	131	11.3	15.7	400			
	14																	1607.2	112	13.2	18.2					
11	111.32.1600	1740	1460	91	1687	1513	45	26	M24	48	5	1598	1602	81	10	75	0.5	14	1817.2	127	13.2	18.2	440			
	16																	1820.8	111	15.1	22.4					
12	111.32.1800	1940	1660	91	1887	1713	45	26	M24	48	5	1798	1802	81	10	75	0.5	14	2013.2	141	13.2	18.2	500			
	16																	2012.8	123	15.1	22.4					
13	111.40.2000	2178	1825	112	2110	1891	48	33	M30	60	8	1997	2003	100	12	90	0.5	16	2268.8	139	18.1	25	900			
	18																	2264.4	123	20.3	28.1					
14	111.40.2240	2418	2065	112	2350	2131	48	33	M30	60	8	2237	2243	100	12	90	0.5	16	2492.8	153	18.1	25	1000			
	18																	2498.4	136	20.3	28.1					
15	111.40.2500	2678	2325	112	2610	2391	56	33	M30	60	8	2497	2503	100	12	90	0.5	18	2768.4	151	20.3	28.1	1100			
	20																	2776	136	22.6	31.3					
16	111.40.2800	2978	2625	112	2910	2691	56	33	M30	60	8	2797	2803	100	12	90	0.5	18	3074.4	168	20.3	28.1	1250			
	20																	3076	151	22.6	31.3					
17	111.50.3150	3376	2922	134	3286	3014	56	45	M42	84	8	3147	3153	122	12	110	0.5	20	3476	171	27.6	38.3	2150			
	22																	3471.6	155	30.4	42.1					
18	111.50.3550	3776	3322	134	3686	3414	56	45	M42	84	8	3547	3553	122	12	110	0.5	20	3876	191	30.4	38.3	2470			
	22																	3889.6	174	30.4	42.1					
19	111.50.4000	4226	3772	134	4136	3864	60	45	M42	84	10	3997	4003	122	12	110	0.5	22	4329.6	194	30.4	42.1	2800			
	25																	4345	171	34.5	47.8					
20	111.50.4500	4726	4272	134	4636	4364	60	45	M42	84	10	4497	4503	122	12	110	0.5	22	4835.6	217	30.4	42.1	3100			
	25																	4845	191	34.5	47.8					

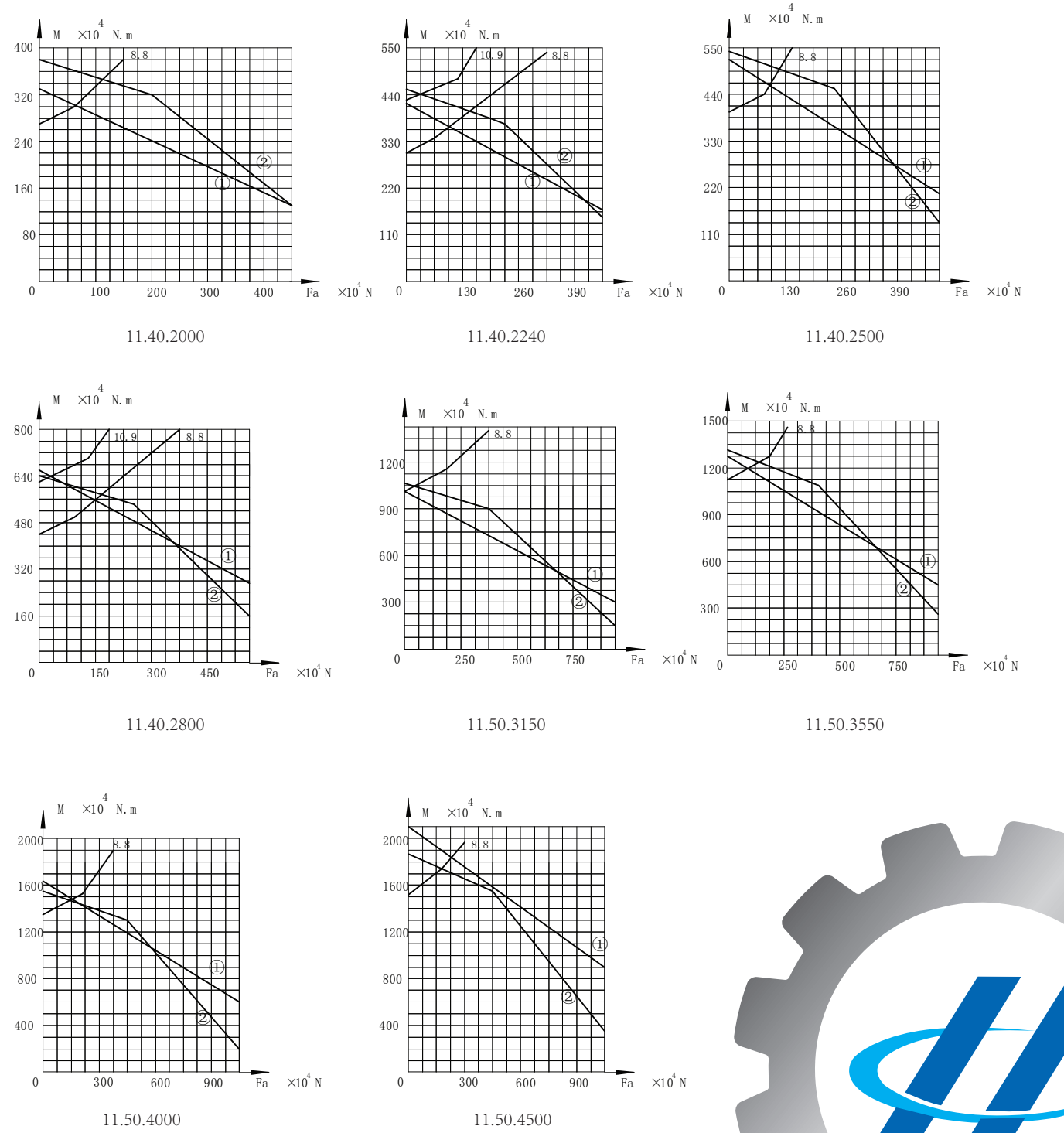
11系列负载曲线图

Series 11 Load Chart



11系列负载曲线图

Series 11 Load Chart



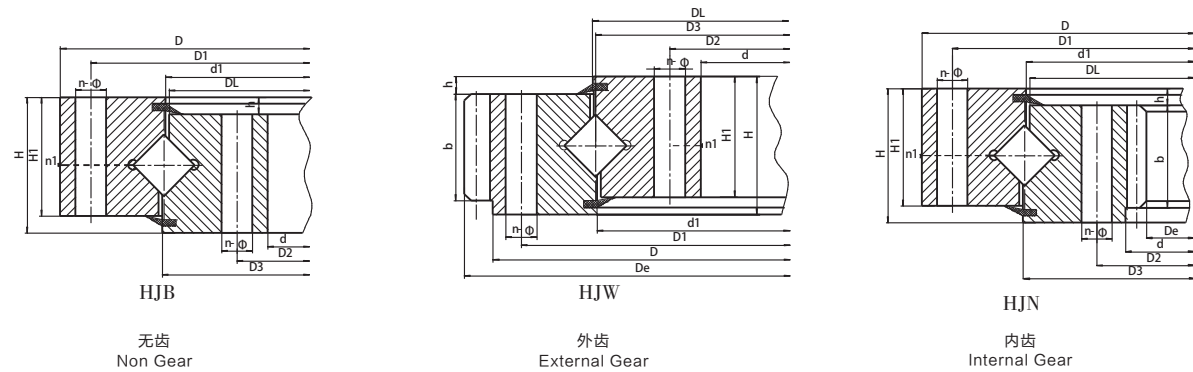
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HJ系列 单排交叉滚柱式回转支承

Series HJ Single Row Crossed Roller Slewing Bearing



结构特点、性能、适用范围

单排交叉滚柱式回转支承，由两个座圈组成，结构紧凑、重量轻、制造精度高，装配间隙小，对安装精度要求高，滚柱为1：1交叉排列，能同时承受轴向力，倾翻力矩和较大的径向力，被广泛地用于起重运输、工程机械和军工产品上。

注：

- 1、n1为润滑油孔数，均布：油杯M10×1 JB/T7940.1~JB/T7940.2.
- 2、安装孔n-Φ可改用螺孔；齿宽b可改为H-h。
- 3、表内齿轮圆周力为最大圆周力，额定圆周力取其1/2。
- 4、内齿变位系数均为+0.35。

Characteristic of structure, performance and application

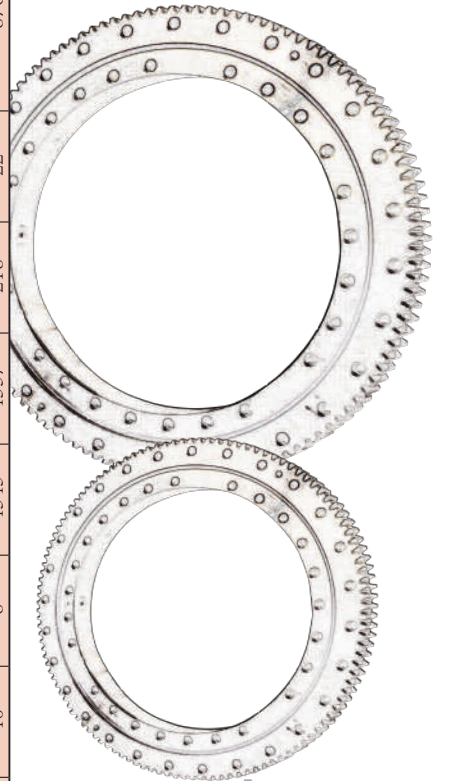
The single row crossed roller slewing bearing is composed of two seat rings, which design in compact structure and light weight, the clearance is small when assembly, so need high precision. The roller are 1:1 cross arranged, it can bear the axial force, tilting moment and relatively large radial force. It is widely used for hoisting, transportation, construction machinery, and the military products.

Note:

- 1. n1 is the number of lubricating holes.Oil cup M10×1JB/T7940.1~JB/T7940.2.The Oil nipple's location can be changed according to the user's application.
- 2. n-φ can be changed to tapped hole,the diameter of tapped hole is M,depth is 2M.
- 3. The tangential tooth force in the form is the maximum tooth force,the nominal tangential tooth force is 1/2 of the max one.
- 4. "K" is addendum reduction coefficient.

HJ 系列 - 无齿 Series HJ--Non Gear

序号 No.	无齿式 Non gear DL mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions				结构尺寸 Structural Dimensions					参考重量 Weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	
1	HJB.20.625	725	525	80	685	565	18	18	3	627	623	68	12	100
2	HJB.20.720	820	620	80	780	660	18	18	3	722	718	68	12	120
3	HJB.30.820	940	705	95	893	749	24	20	4	822	818	83	12	210
4	HJB.30.880	1000	760	95	956	800	24	20	4	882	878	83	12	230
5	HJB.30.1020	1170	875	95	1120	930	24	22	4	1022	1018	80	15	300
6	HJB.36.1220	1365	1075	120	1310	1130	36	24	6	1222	1218	105	15	450
7	HJB.36.1250	1400	1090	120	1350	1150	36	26	6	1252	1248	105	15	520
8	HJB.36.1435	1595	1278	120	1535	1335	36	26	6	1437	1433	105	15	610
9	HJB.45.1540	1720	1360	140	1660	1420	42	26	6	1543	1537	122	18	732
10	HJB.45.1700	1875	1525	140	1815	1585	42	29	6	1703	1697	122	18	844
11	HJB.45.1880	2100	1665	160	2030	1740	48	32	6	1883	1876	140	20	1400
12	HJB.45.2115	2325	1900	160	2245	1980	48	32	6	2118	2112	140	20	1600
13	HJB.45.2370	2600	2146	180	2520	2220	48	32	6	2373	2367	158	22	2100
14	HJB.45.2600	2835	2365	180	2750	2450	54	36	6	2603	2597	158	22	2400
15	HJB.50.2820	3085	2555	200	3000	2640	54	36	6	2823	2817	178	22	3400
16	HJB.50.3120	3400	2840	200	3310	2930	54	36	6	3123	3117	178	22	4000
17	HJB.50.3580	3920	3240	240	3820	3340	60	40	6	3583	3577	218	22	6700
18	HJB.50.4030	4370	3690	240	4270	3790	66	40	6	4033	4027	218	22	7700
19	HJB.50.4540	4860	4210	240	4760	4310	72	40	6	4543	4537	218	22	8760



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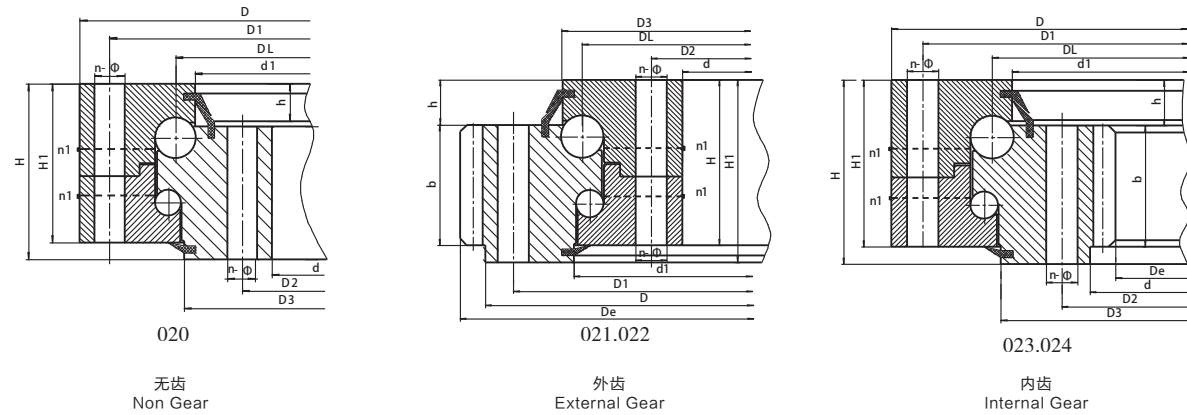
序号 No.	外齿式 External gear D L mm	外型尺寸 Dimensions		安装尺寸 Mounting Dimensions				结构尺寸 Structural Dimensions						齿轮参数 Gear data				齿轮圆周力 Gear circumferential force	参考 重量 weight kg	
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm			z
1	HJW.20.625	725	525	80	685	565	18	18	3	627	623	68	12	60	1.4	5	751.9	146	100	5.2
	HJW.20.625A														1.15	6	755.5	122		6.2
2	HJW.20.720	820	620	80	780	660	18	18	3	722	718	68	12	60	1.4	6	860.3	139	120	6.2
	HJW.20.720A														1	8	861.1	104		8.3
3	HJW.30.820	940	705	95	893	749	24	20	4	822	818	83	12	70	1.4	6	980.6	159	210	7.2
	HJW.30.820A														1	10	986.2	95		12.2
4	HJW.30.880	1000	760	95	956	800	24	20	4	882	878	83	12	70	1.15	8	1047.5	127	230	9.7
	HJW.30.880A														1	10	1046.3	101		12.2
5	HJW.30.1020	1170	875	95	1120	930	24	22	4	1022	1018	80	15	70	1.4	8	1219.3	148	300	9.7
	HJW.30.1020A														1.15	10	1219.2	118		12.2
6	HJW.36.1220	1365	1075	120	1310	1130	36	24	6	1222	1218	105	15	90	1.4	10	1424.9	138	450	15.7
	HJW.36.1220A														1	12	1435.9	116		18.8
7	HJW.36.1250	1400	1090	120	1350	1150	36	26	6	1252	1248	105	15	90	-0.35	10	1443	143	520	15.7
	HJW.36.1250A														1	12	1449.6	117		18.8
8	HJW.36.1435	1595	1278	120	1535	1335	36	26	6	1437	1433	105	15	90	1.15	12	1655.5	134	610	18.8
	HJW.36.1435A														1	14	1661.2	115		21.9
9	HJW.45.1540	1720	1360	140	1660	1420	42	26	6	1543	4537	122	18	110	1.4	12	1780.8	144	732	23
	HJW.45.1540A														1.15	14	1791.1	124		26.8
10	HJW.45.1700	1875	1525	140	1815	1585	42	29	6	1703	1697	122	18	110	1.15	14	1945.4	135	844	26.8
	HJW.45.1700A														1.15	16	1950.8	118		30.5
11	HJW.45.1880	2100	1665	160	2030	1740	48	32	6	1883	1876	140	20	115	1.4	14	2189.8	152	1400	27.8
	HJW.45.1880A														1.15	18	2194.6	118		35.8
12	HJW.45.2115	2325	1900	160	2245	1980	48	32	6	2118	2112	140	20	115	1.4	16	2406.5	146	1600	31.9
	HJW.45.2115A														1.15	20	2418.4	117		40
13	HJW.45.2370	2600	2146	180	2520	2220	48	32	6	2373	2367	158	22	130	1.4	18	2707.3	146	2100	40.7
	HJW.45.2370A														1.15	22	2704.4	119		49.7
14	HJW.45.2600	2835	2365	180	2750	2450	54	36	6	2603	2597	158	22	130	1.4	18	2941.7	159	2400	37.6
	HJW.45.2600A														1.15	22	2946.9	130		45.9
15	HJW.50.2820	3085	2555	200	3000	2640	54	36	6	2823	2817	178	22	150	1.4	20	3188.4	155	3400	52.2
	HJW.50.2820A														1.15	25	3198.4	124		65.3
16	HJW.50.3120	3400	2840	200	3310	2930	54	36	6	3123	3117	178	22	150	1.4	22	3507.2	155	4000	57.4
	HJW.50.3120A														1.4	25	3509.6	136		65.3
17	HJW.50.3580	3920	3240	240	3820	3340	60	40	6	3583	3577	218	22	190	1.4	22	4036.1	179	6700	72.7
	HJW.50.3580A														1.4	25	4035.6	157		82.6
18	HJW.50.4030	4370	3690	240	4270	3790	66	40	6	4033	4027	218	22	190	1.4	22	4520.6	201	7700	53.6
	HJW.50.4030A														1.4	28	4522.4	157		68.2
19	HJW.50.4540	4860	4210	240	4760	4310	72	40	6	4543	4537	218	22	190	1.4	22	4983.1	222	8760	72.1
	HJW.50.4540A														1.4	30	4992.9	162		99.1

序号 No.	内齿式 Internal gear D L mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions				结构尺寸 Structural Dimensions						齿轮参数 Gear data				齿轮圆周力 Gear circumferential force	参考 重量 weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z		
1	HJN.20.625	725	525	80	685	565	18	18	3	627	623	68	12	60	1.4	5	498.8	101	5.2	100
	HJN.20.625A														1.15	6	496.7	84		
2	HJN.20.720	820	620	80	780	660	18	18	3	722	718	68	12	60	1.4	6	586.6	99	6.2	120
	HJN.20.720A														1	8	582.3	74		
3	HJN.30.820	940	705	95	893	749	24	20	4	822	818	83	12	70	1.4	6	664.5	112	7.2	210
	HJN.30.820A														1	10	658	67		
4	HJN.30.880	1000	760	95	956	800	24	20	4	882	878	83	12	70	1.15	8	718.2	91	9.7	230
	HJN.30.880A														1	10	707.9	72		
5	HJN.30.1020	1170	875	95	1120	930	24	22	4	1022	1018	80	15	70	1.4	8	830.1	105	9.7	300
	HJN.30.1020A														1.15	10	827.8	84		
6	HJN.36.1220	1365	1075	120	1310	1130	36	24	6	1222	1218	105	15	90	1.4	10	1027.8	104	15.7	450
	HJN.36.1220A														1	12	1017.3	86		
7	HJN.36.1250	1400	1090	120	1350	1150	36	26	6	1252	1248	105	15	90	-0.35	10	1037	105	15.7	520
	HJN.36.1250A														1	12	1028.8	87		
8	HJN.36.1435	1595	1278	120	1535	1335	36	26	6	1437	1433	105	15	90	1.15	12	1221.2	13	18.8	610
	HJN.36.1435A														1	14	1214.8	88		
9	HJN.45.1540	1720	1360	140	1660	1420	42	26	6	1543	4537	122	18	110	1.4	12	1293.1	109	23	732
	HJN.45.1540A														1.15	14	1284.8	93		
10	HJN.45.1700	1875	1525	140	1815	1585	42	29	6	1703	1697	122	18	110	1.15	14	1452.7	105	26.8	844
	HJN.45.1700A														1.15	16	1452.3	92		
11	HJN.45.1880	2100	1665	160	2030	1740	48	32	6	1883	1876	140	20	115	1.4	14	1592.6	115	27.8	1400
	HJN.45.1880A														1.15	18	1579.9	89		
12	HJN.45.2115	2325	1900	160	2245	1980	48	32	6	2118	2112	140	20	115	1.4	16	1804.1	114	31.9	1600
	HJN.45.2115A														1.15	20	1795.4	91		
13	HJN.45.2370	2600	2146	180	2520	2220	48	32	6	2373	2367	158	22	130	1.4	18	2065.6	116	40.7	2100
	HJN.45.2370A														1.15	22	2040.9	94		
14	HJN.45.2600	2835	2365	180	2750	2450	54	36	6	2603	2597	158	22	130	1.4	18	2263.5	127	37.6	2400
	HJN.45.2600A														1.15	22	2260.8	104		
15	HJN.50.2820	3085	2555	200	3000	2640	54	36	6	2823	2817	178	22	150	1.4	20	2455	124	52.2	3400
	HJN.50.2820A														1.15	25	2444.1	99		
16	HJN.50.3120	3400	2840	200	3310	2930	54	36	6	3123	3117	178	22	150	1.4	22	2722.5	125	57.4	4000
	HJN.50.3120A														1.4	25	2719	110		
17	HJN.50.3580	3920	3240	240	3820	3340	60	40	6	3583	3577	218	22	190	1.4	22	3118.4	143	72.7	6700
	HJN.50.3580A														1.4	25	3118.8	126		
18	HJN.50.4030	4370	3690	240	4270	3790	66	40	6	4033	4027	218	22	190	1.4	22	3558.3	163	53.6	7700
	HJN.50.4030A														1.4	28	3549	128		
19	HJN.50.4540	4860	4210	240	4760	4310	72	40	6	4543	4537	218	22	190	1.4	22	4042.2	185	72.1	8760
	HJN.50.4540A														1.4	30	4042.4	136		

02系列

02系列 双排球式回转支承

Series 02 Double Row Ball Slewing Bearing



结构特点、性能、适用范围

双排球式回转支承具有三个座圈，钢球和隔离块可直接排入上下滚道，根据受力状况，安排了上下两排直径不同的钢球。这种开式装配非常方便，上下圆弧滚道的承载角都为 90° ，能承受很大的轴向力和倾翻力矩。当径向力大于0.1倍的轴向力时滚道须特殊设计。双排球式回转支承的轴向、径向尺寸都比较大，结构紧固。特别适用于要求中等以上直径的塔式起重机，汽车起重机等装卸机械上。

◆ 注：

- 1、n1为润滑油孔数，均布：油杯M10×1 JB/T7940.1-JBT7940.2
- 2、安装孔n-dn1、n-dn2可改用螺孔；齿宽b可改为H-h。
- 3、表内齿轮圆周力为最大圆周力，额定圆周力取其1/2。
- 4、内齿修顶系数0.2。

Characteristic of structure, performance and application

Double row ball slewing bearing has three seat ring, the steel ball and the spacing block can be directly arrange into the upper and lower races, two rows of upper and lower steel balls with different diameter are fitted according to the stress condition.

This kind of open assembly is very convenient, for the upper and lower bear raceway arc angles is 90° , which can bear large axial forces and tilting moment. When the radial force is greater than 0.1 times the axial force need to be specially designed the raceway.

Double row different ball slewing bearing's axial and radial size are relatively large and solid in structure, so it is specially suitable for the medium diameter tower cranes, truck mounted cranes etc. loading and unloading machinery.

◆ Note:

1. n1 is the number of lubricating holes. Oil cup M10×1 JB/T7940.1~JB/T7940.2. The Oil nipple's location can be changed according to the user's application.
2. n-φ can be changed to tapped hole, the diameter of tapped hole is M, depth is 2M.
3. The tangential tooth force in the form is the maximum tooth force, the nominal tangential tooth force is 1/2 of the max one.
4. "K" is addendum reduction coefficient.

02 系列 - 无齿 Series 02--Non Gear

序号 No.	无齿式 Non gear DL mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions				结构尺寸 Structural Dimensions			参考重量 Weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	n1 mm	H1 mm	h mm	
1	020.25.500	616	384	106	580	420	20	18	4	96	26	100
2	020.25.560	676	444	106	640	480	20	18	4	96	26	115
3	020.25.630	746	514	106	710	550	24	18	4	96	26	130
4	020.25.710	826	594	106	790	630	24	18	4	96	26	140
5	020.30.800	942	658	124	898	702	30	22	6	114	29	200
6	020.30.900	1042	758	124	998	802	30	22	6	114	29	250
7	020.30.1000	1142	858	124	1098	902	36	22	6	114	29	300
8	020.30.1120	1262	978	124	1218	1022	36	22	6	114	29	340
9	020.40.1250	1426	1074	160	1374	1126	40	26	5	150	39	580
10	020.40.1400	1576	1224	160	1524	1272	40	26	5	150	39	650
11	020.40.1600	1776	1424	160	1724	1476	45	26	5	150	39	750
12	020.40.1800	1976	1624	160	1924	1676	45	26	5	150	39	820
13	020.50.2000	2215	1785	190	2149	1851	48	33	8	178	47	1150
14	020.50.2240	2455	2025	190	2389	2091	48	33	8	178	47	1500
15	020.50.2500	2715	2285	190	2649	2351	56	33	8	178	47	1700
16	020.50.2800	3015	2585	190	2949	2651	56	33	8	178	47	1900
17	020.60.3150	3428	2872	226	3338	2962	56	45	8	214	56	3300
18	020.60.3550	3828	3272	226	3738	3362	56	45	8	214	56	3700
19	020.60.4000	4278	3722	226	4188	3812	60	45	10	214	56	4200
20	020.60.4500	4778	4222	226	4688	4312	60	45	10	214	56	4700

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02 系列 - 外齿 Series 02--External gear

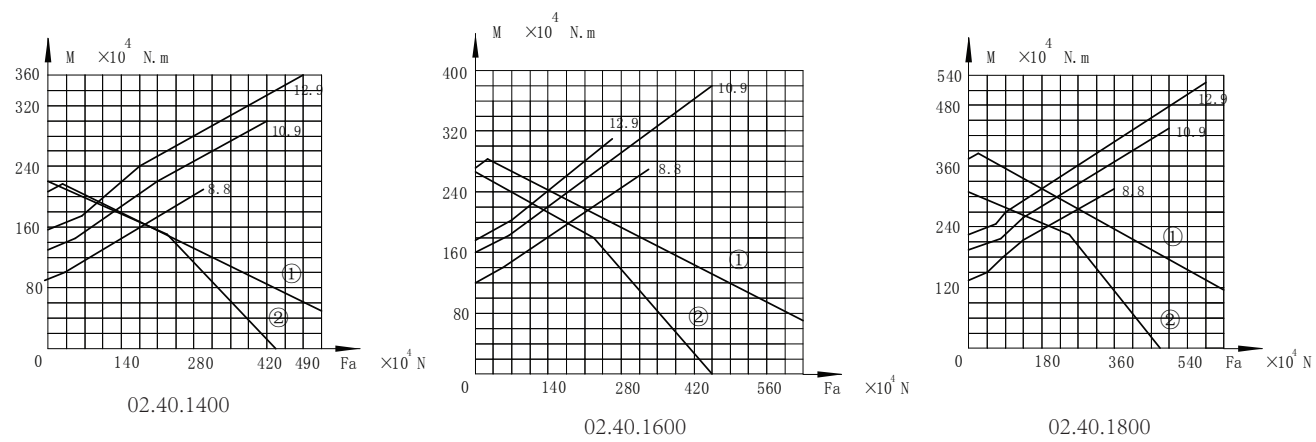
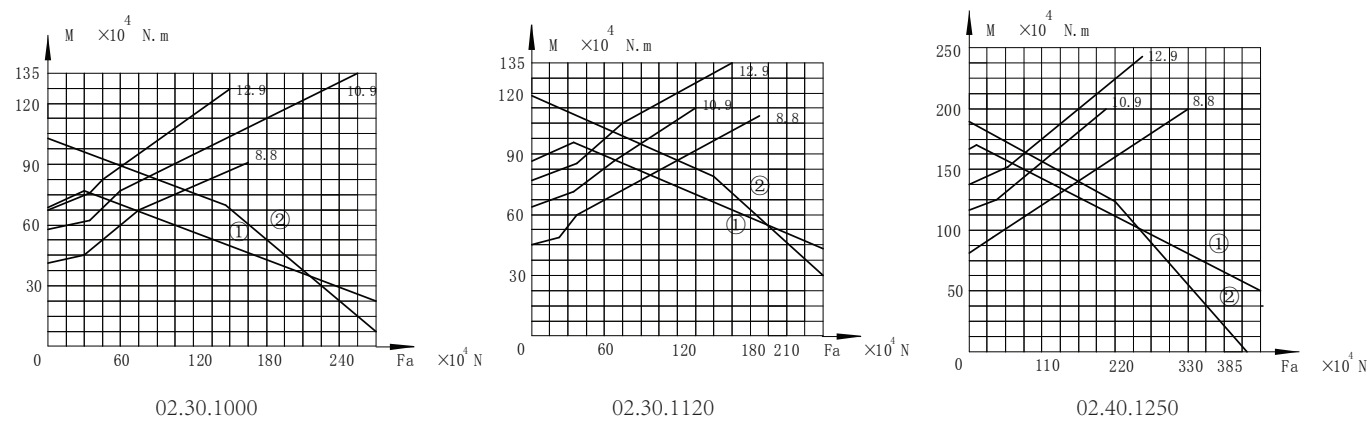
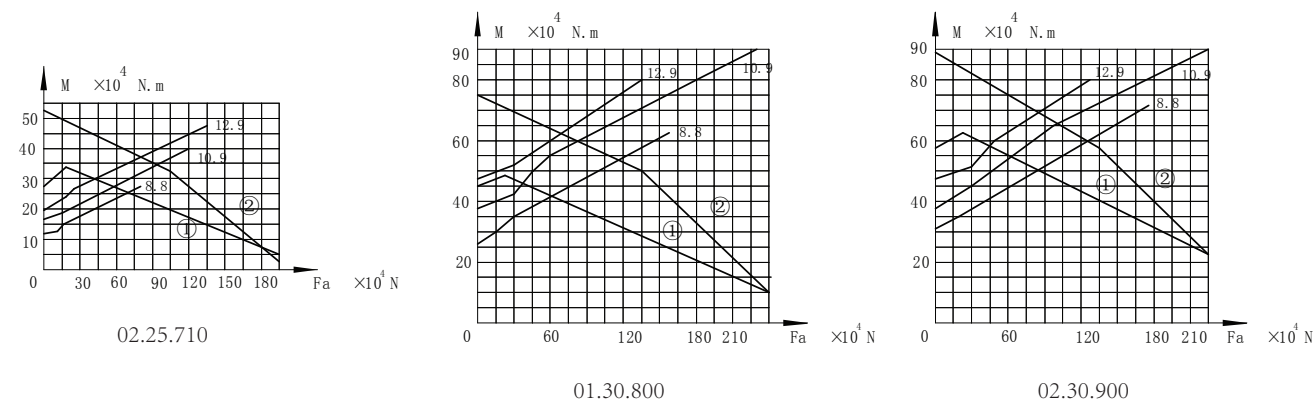
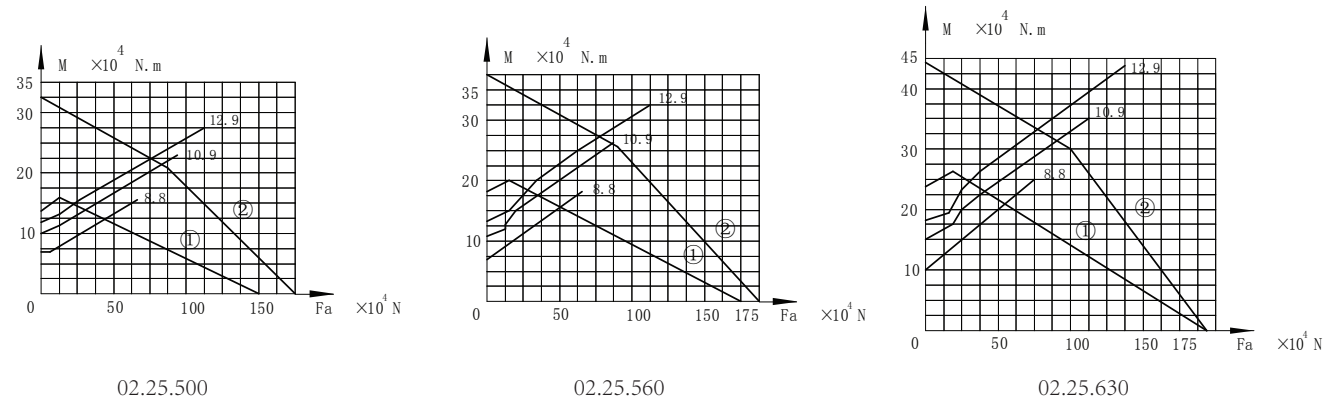
序号 No.	外齿式 External gear D L mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions				结构尺寸 Structural Dimensions				齿轮参数 Gear data				齿轮圆周力 Gear circumferential force		参考 重量 kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	n1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	正火 Normalizing N _{Z104N}	调质 Quenching T _{104N}	
1	021.25.500	616	384	106	580	420	20	18	4	96	26	60	0.5	5	644	126	3.7	5.2	100
	022.25.500													6	646.8	105	4.5	6.2	
2	021.25.560	676	444	106	640	480	20	18	4	96	26	60	0.5	5	704	138	3.7	5.2	115
	022.25.560													6	706.8	115	4.5	6.2	
3	021.25.630	746	514	106	710	550	24	18	4	96	26	60	0.5	6	790.8	129	4.5	6.2	130
	022.25.630													8	790.4	96	6	8.3	
4	021.25.710	826	594	106	790	630	24	18	4	96	26	60	0.5	6	862.8	141	4.5	6.2	140
	022.25.710													8	862.4	105	6	8.3	
5	021.30.800	942	658	124	898	702	30	22	6	114	29	80	0.5	8	982.4	120	8	11.1	200
	022.30.800													10	988	96	10	14	
6	021.30.900	1042	758	124	998	802	30	22	6	114	29	80	0.5	8	1086.4	133	8	11.1	250
	022.30.900													10	1088	106	10	14	
7	021.30.1000	1142	858	124	1098	902	36	22	6	114	29	80	0.5	10	1198	117	10	14	300
	022.30.1000													12	1197.6	97	12	16.7	
8	021.30.1120	1262	978	124	1218	1022	36	22	6	114	29	80	0.5	10	1318	129	10	14	340
	022.30.1120													12	1317.6	107	12	16.7	
9	021.40.1250	1426	1074	160	1374	1126	40	26	5	150	39	90	0.5	12	1497.6	122	13.5	18.8	580
	022.40.1250													14	1495.2	104	15.8	21.9	
10	021.40.1400	1576	1224	160	1524	1272	40	26	5	150	39	90	0.5	12	1641.6	134	13.5	18.8	650
	022.40.1400													14	1649.2	115	15.8	21.9	
11	021.40.1600	1776	1424	160	1724	1476	45	26	5	150	39	90	0.5	14	1845.2	129	15.8	21.9	750
	022.40.1600													16	1852.8	113	18.1	25	
12	021.40.1800	1976	1624	160	1924	1676	45	26	5	150	39	90	0.5	14	2055.2	144	15.8	21.9	820
	022.40.1800													16	2060.8	126	18.1	25	
13	021.50.2000	2215	1785	190	2149	1851	48	33	8	178	47	120	0.5	16	2300.8	141	24.1	33.3	1150
	022.50.2000													18	2300.4	125	27.1	37.5	
14	021.50.2240	2455	2025	190	2389	2091	48	33	8	178	47	120	0.5	16	2540.8	156	24.1	33.3	1500
	022.50.2240													18	2552.4	139	27.1	37.5	
15	021.50.2500	2715	2285	190	2649	2351	56	33	8	178	47	120	0.5	18	2804.4	153	27.1	37.5	1700
	022.50.2500													20	2816	138	30.1	41.8	
16	021.50.2800	3015	2585	190	2949	2651	56	33	8	178	47	120	0.5	18	3110.4	170	27.1	37.5	1900
	022.50.2800													20	3116	153	30.1	41.8	
17	021.60.3150	3428	2872	226	3338	2962	56	45	8	214	56	150	0.5	20	3536	174	37.7	52.2	3300
	022.60.3150													22	3537.6	158	41.5	57.4	
18	021.60.3550	3828	3272	226	3738	3362	56	45	8	214	56	150	0.5	20	3936	194	37.7	52.2	3700
	022.60.3550													22	3933.6	176	41.5	57.4	
19	021.60.4000	4278	3722	226	4188	3812	60	45	10	214	56	150	0.5	22	4395.6	197	41.5	57.4	4200
	022.60.4000													25	4395	173	47.1	65.2	
20	021.60.4500	4778	4222	226	4688	4312	60	45	10	214	56	150	0.5	22	4879.6	219	41.5	57.4	4700
	022.60.4500													25	4895	193	47.1	65.2	

02 系列 - 内齿 Series 02--Internal gear

序号 No.	内齿式 Internal gear D L mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions				结构尺寸 Structural Dimensions			齿轮参数 Gear data				齿轮圆周力 Gear circumferential force			参考 重量 weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	n1 mm	H1 mm	b mm	x	M mm	De mm	z	正火 Normalizing Z 104N	调质 Quenching T 104N		
1	023.25.500	616	384	106	580	420	20	18	4	96	26	0.5	5	257	72	3.7	5.2	100	
	024.25.500											6	350.4	59	4.5	6.2			
2	023.25.560	676	444	106	640	480	20	18	4	96	26	0.5	5	417	84	3.7	5.2	115	
	024.25.560											6	410.4	69	4.5	6.2			
3	023.25.630	746	514	106	710	550	24	18	4	96	26	0.5	6	482.4	81	4.5	6.2	130	
	024.25.630											8	475.2	60	6	8.3			
4	023.25.710	826	594	106	790	630	24	18	4	96	26	0.5	6	560.4	94	4.5	6.2	140	
	024.25.710											8	555.2	70	6	8.3			
5	023.30.800	942	658	124	898	702	30	22	6	114	29	0.5	8	619.2	78	8	11.1	200	
	024.30.800											10	614	62	10	14			
6	023.30.900	1042	758	124	998	802	30	22	6	114	29	0.5	8	715.2	90	8	11.1	250	
	024.30.900											10	714	72	10	14			
7	023.30.1000	1142	858	124	1098	902	36	22	6	114	29	0.5	10	814	82	10	14	300	
	024.30.1000											12	796.8	67	12	16.7			
8	023.30.1120	1262	978	124	1218	1022	36	22	6	114	29	0.5	10	924	93	10	14	340	
	024.30.1120											12	916.8	77	12	16.7			
9	023.40.1250	1426	1074	160	1374	1126	40	26	5	150	39	0.5	12	1012.8	85	13.5	18.8	580	
	024.40.1250											14	1013.6	73	15.8	21.9			
10	023.40.1400	1576	1224	160	1524	1272	40	26	5	150	39	0.5	12	1156.8	97	13.5	18.8	650	
	024.40.1400											14	1153.6	83	15.8	21.9			
11	023.40.1600	1776	1424	160	1724	1476	45	26	5	150	39	0.5	14	1349.6	97	15.8	21.9	750	
	024.40.1600											16	1350.4	85	18.1	25			
12	023.40.1800	1976	1624	160	1924	1676	45	26	5	150	39	0.5	14	1545.6	111	15.8	21.9	820	
	024.40.1800											16	1542.4	97	18.1	25			
13	023.50.2000	2215	1785	190	2149	1851	48	33	8	178	47	0.5	16	1702.4	107	24.1	33.3	1150	
	024.50.2000											18	1699.2	95	27.1	37.5			
14	023.50.2240	2455	2025	190	2389	2091	48	33	8	178	47	0.5	16	1942.4	122	24.1	33.3	1500	
	024.50.2240											18	1933.2	108	27.1	37.5			
15	023.50.2500	2715	2285	190	2649	2351	56	33	8	178	47	0.5	18	2203.2	123	27.1	37.5	1700	
	024.50.2500											20	2188	110	30.1	41.8			
16	023.50.2800	3015	2585	190	2949	2651	56	33	8	178	47	0.5	18	2491.2	139	27.1	37.5	1900	
	024.50.2800											20	2488	125	30.1	41.8			
17	023.60.3150	3428	2872	226	3338	2962	56	45	8	214	56	0.5	20	2768	139	37.7	52.2	3300	
	024.60.3150											22	2758.8	126	41.5	57.4			
18	023.60.3550	3828	3272	226	3738	3362	56	45	8	214	56	0.5	20	3168	159	37.7	52.2	3700	
	024.60.3550											22	3176.8	145	41.5	57.4			
19	023.60.4000	4278	3722	226	4188	3812	60	45	10	214	56	0.5	22	3616.8	165	41.5	57.4	4200	
	024.60.4000											25	3610	145	47.1	65.2			
20	023.60.4500	4778	4222	226	4688	4312	60	45	10	214	56	0.5	22	4122.8	188	41.5	57.4	4700	
	024.60.4500											25	4110	165	47.1	65.2			

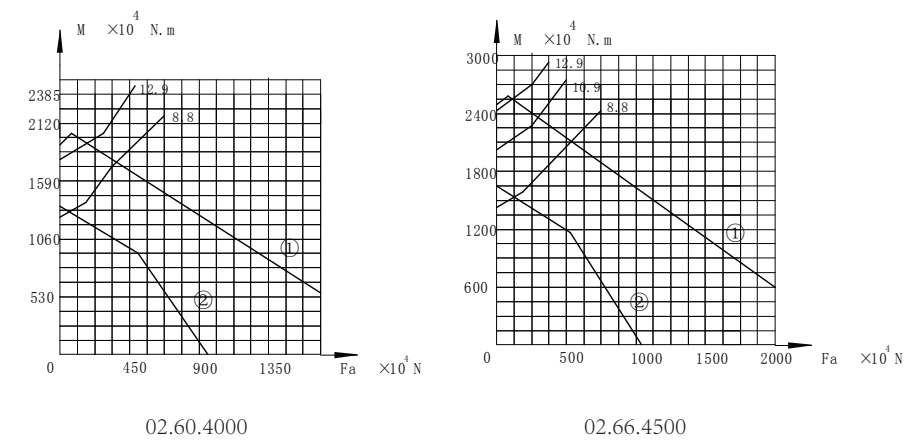
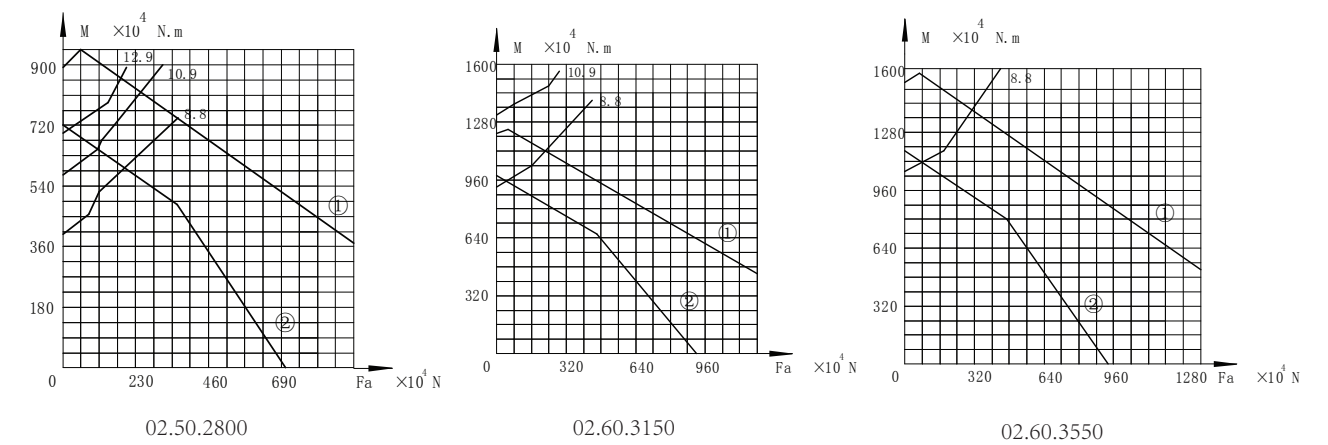
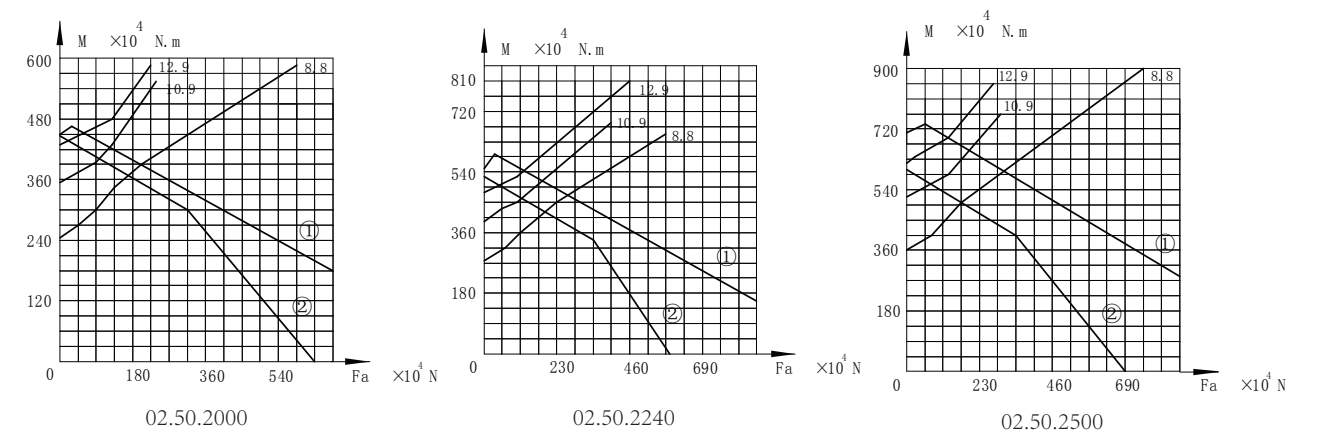
02系列负载曲线图

Series 02 Load Chart



02系列负载曲线图

Series 02 Load Chart



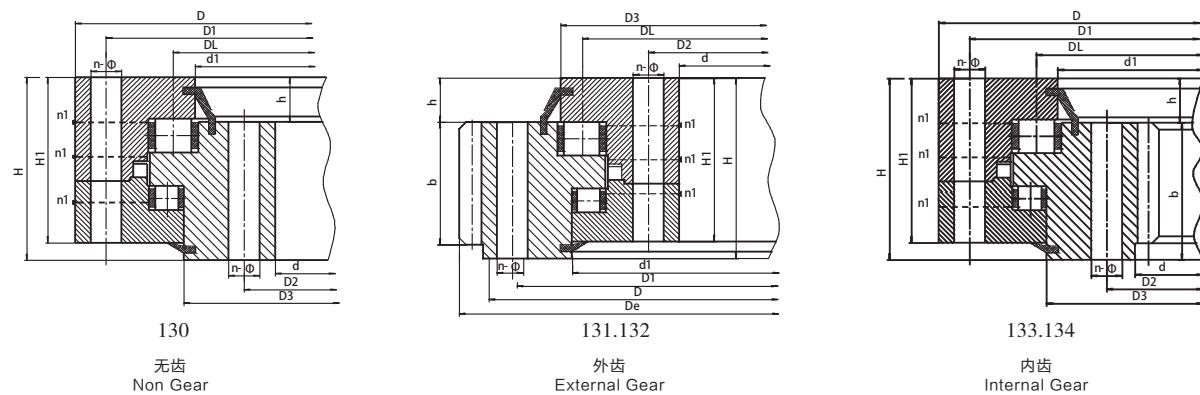
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13系列 三排滚柱式回转支承

Series 13 Three Row Roller Slewing Bearing



结构特点、性能、适用范围

三排滚柱式回转支承有三个座圈，上下及径向滚道各自分开，使得每一排滚柱的负载都能确切地加以确定。能够同时承受各种载荷，是四种产品中承载能力最大的一种，轴、径向尺寸都较大，结构牢固，特别适用于要求较大直径的重型机械，如斗轮式挖掘机、轮式起重机、船用起重机、港口起重机、钢水运转台及大吨位汽车起重机等机械上。

注：

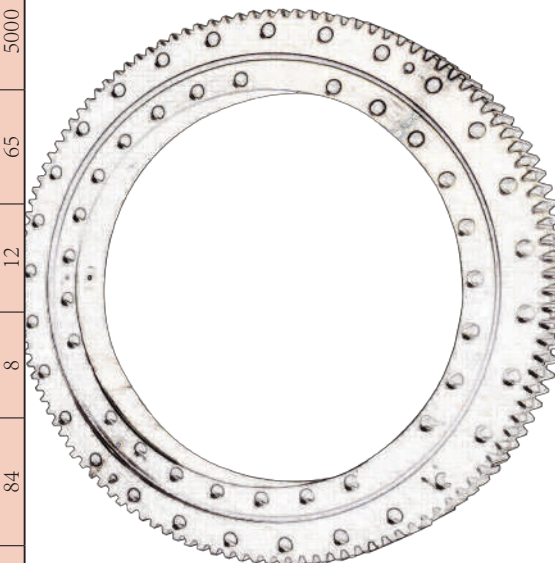
- 1、n1为润滑油孔数，均布：油杯M10×1 JB/T7940.1~JB/ T7940.2
- 2、安装孔n-dn1、n-dn2可改用螺孔；齿宽b可改为H-h。
- 3、表内齿齿圆周力为最大圆周力，额定圆周力取其1/2。
- 4、内齿修顶系数为0.2。

Characteristic of structure, performance and application

The three row roller slewing bearing has three seat rings, which separate the upper, lower and radial raceways, it made each row of the roller's load capacity can be specified and can bear different loads simultaneously. The capacity load is the largest one compare with the other three models. Due to the large size in axial and radial dimension & the solid structure, it is specially suitable for the heavy duty machinery such as wheeled excavator, wheeled crane, ship crane, ladle turrets and the heavy duty mobile crane etc.

Note:

1. n1 is the number of lubricating holes.Oil cup M10×1JB/T7940.1~JB/T7940.2.The Oil nipple's location can be changed according to the user's application.
2. n-φ can be changed to tapped hole,the diameter of tapped hole is M,depth is 2M.
3. The tangential tooth force in the form is the maximum tooth force,the nominal tangential tooth force is 1/2 of the max one.
4. "K" is addendum reduction coefficient.



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Xuzhou Helin Slewing Bearing Co.,Ltd.

13 系列 - 无齿 Series 13--Non Gear

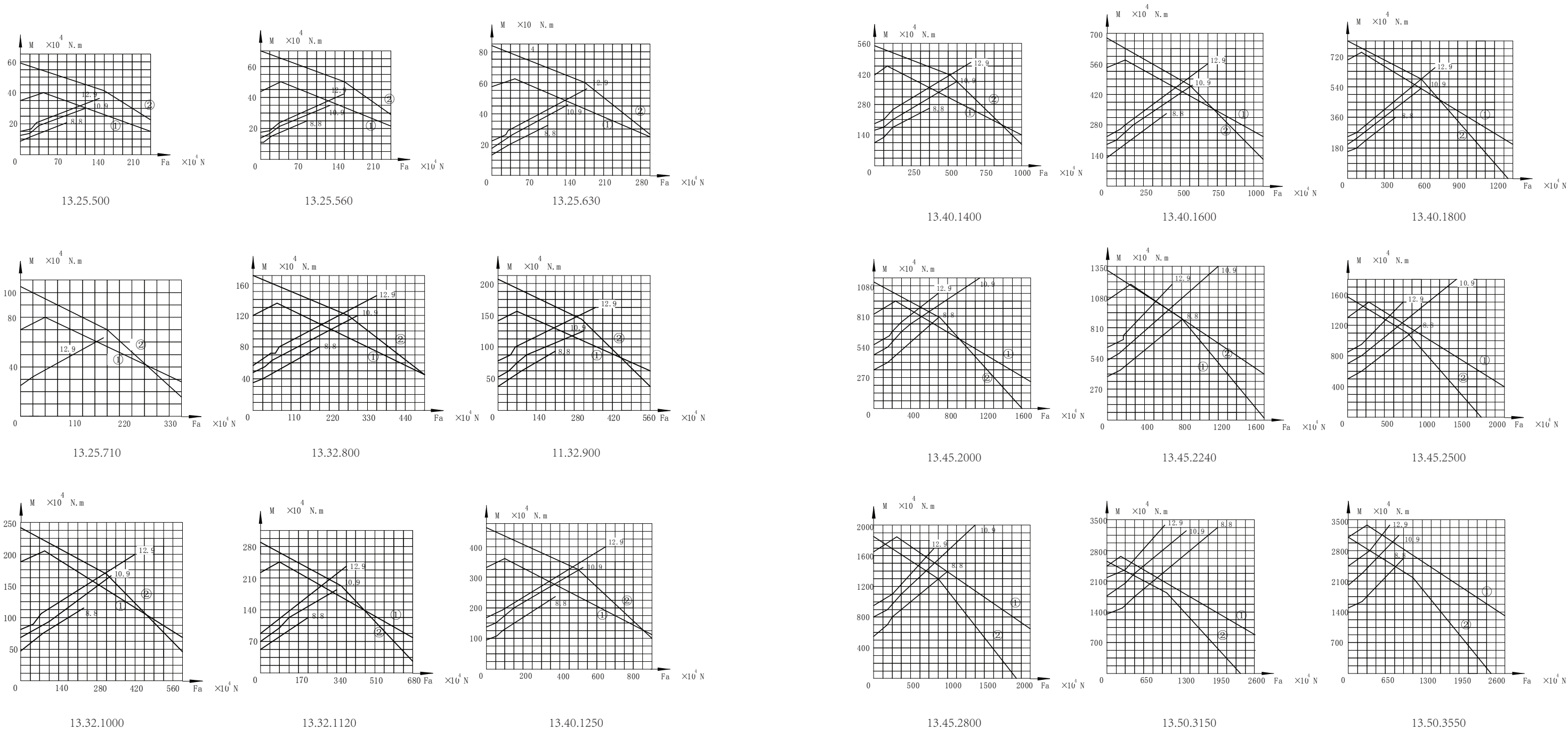
序号 No.	无齿式 Non gear DL mm	外型尺寸			Dimensions		安装尺寸 Mounting Dimensions					结构尺寸 Structural Dimensions				参考重量 Weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	φ mm	dm mm	L mm	n1 mm	H1 mm	h mm			
1	130.25.500	634	366	148	598	402	24	18	M16	32	4	10	32	224		
2	130.25.560	694	426	148	658	462	24	18	M16	32	4	10	32	240		
3	130.25.630	764	496	148	728	532	28	18	M16	32	4	10	32	270		
4	130.25.710	844	576	148	808	612	28	18	M16	32	4	10	32	300		
5	130.32.800	964	636	182	920	680	36	22	M20	40	4	10	40	500		
6	130.32.900	1064	736	182	1020	780	36	22	M20	40	4	10	40	600		
7	130.32.1000	1164	836	182	1120	880	40	22	M20	40	5	10	40	680		
8	130.32.1120	1284	956	182	1240	1000	40	22	M20	40	5	10	40	820		
9	130.40.1250	1445	1055	220	1393	1107	45	26	M24	48	5	10	50	1200		
10	130.40.1400	1595	1205	220	1543	1257	45	26	M24	48	5	10	50	1300		
11	130.40.1600	1795	1405	220	1743	1457	48	26	M24	48	6	10	50	1520		
12	130.40.1800	1995	1605	220	1943	1657	48	26	M24	48	6	10	50	1750		
13	130.45.2000	2221	1779	231	2155	1845	60	33	M30	60	6	12	54	2400		
14	130.45.2240	2461	2019	231	2395	2085	60	33	M30	60	6	12	54	2700		
15	130.45.2500	2721	2279	231	2655	2345	72	33	M30	60	8	12	54	3000		
16	130.45.2800	3021	2579	231	2955	2645	72	33	M30	60	8	12	54	3400		
17	130.50.3150	3432	2868	270	3342	2958	72	45	M42	84	8	12	65	5000		

13 系列 - 外齿 Series 13--External Gear

序号 No.	外齿式 External gear D L mm	外型尺寸 Dimensions				安装尺寸 Mounting Dimensions						结构尺寸 Structural Dimensions				齿轮参数 Gear data					齿轮圆周力 Gear circumferential force		参考 重量 weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	φ mm	dm mm	L mm	n1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	正火 Normalizing Z 104N	调质 Quenching T 104N			
1	131.25.500	634	366	148	598	402	24	18	M16	32	4	10	32	80	0.5	5	664	130	5	6.7	224		
	132.25.500														6	664.8	108						
2	131.25.560	694	426	148	658	462	24	18	M16	32	4	10	32	80	0.5	5	724	142	5	6.7	240		
	132.25.560													6	724.8	118							
3	131.25.630	764	496	148	728	532	28	18	M16	32	4	10	32	80	0.5	6	808.8	132	6	8	270		
	132.25.630													8	806.4	98							
4	131.25.710	844	576	148	808	612	28	18	M16	32	4	10	32	80	0.5	6	886.8	145	6	8	300		
	132.25.710													8	886.4	108							
5	131.32.800	964	636	182	920	680	36	22	M20	40	4	10	40	120	0.5	8	1006.4	123	12.1	16.7	500		
	132.32.800													10	1008	98							
6	131.32.900	1064	736	182	1020	780	36	22	M20	40	4	10	40	120	0.5	8	1102.4	135	12.1	16.7	600		
	132.32.900													10	1108	108							
7	131.32.1000	1164	836	182	1120	880	40	22	M20	40	5	10	40	120	0.5	10	1218	119	15.1	20.9	680		
	132.32.1000													12	1221.6	99							
8	131.32.1120	1284	956	182	1240	1000	40	22	M20	40	5	10	40	120	0.5	10	1338	131	15.1	20.9	820		
	132.32.1120													12	1341.6	109							
9	131.40.1250	1445	1055	220	1393	1107	45	26	M24	48	5	10	50	150	0.5	12	1509.6	123	22.9	31.4	1200		
	132.40.1250													14	1509.2	105							
10	131.40.1400	1595	1205	220	1543	1257	45	26	M24	48	5	10	50	150	0.5	12	1665.6	136	22.9	31.4	1300		
	132.40.1400													14	1663.2	116							
11	131.40.1600	1795	1405	220	1743	1457	48	26	M24	48	6	10	50	150	0.5	14	1873.2	131	26.3	36.6	1520		
	132.40.1600													16	1868.8	114							
12	131.40.1800	1995	1605	220	1943	1657	48	26	M24	48	6	10	50	150	0.5	14	2069.2	145	26.3	36.6	1750		
	132.40.1800													16	2076.8	127							
13	131.45.2000	2221	1779	231	2155	1845	60	33	M30	60	6	12	54	160	0.5	16	2300.8	141	32.2	44.5	2400		
	132.45.2000													18	2300.4	125							
14	131.45.2240	2461	2019	231	2395	2085	60	33	M30	60	6	12	54	160	0.5	16	2556.8	157	32.2	44.5	2700		
	132.45.2240													18	2552.4	139							
15	131.45.2500	2721	2279	231	2655	2345	72	33	M30	60	8	12	54	160	0.5	18	2822.4	154	36.2	50.1	3000		
	132.45.2500													20	2816	138							
16	131.45.2800	3021	2579	231	2955	2645	72	33	M30	60	8	12	54	160	0.5	18	3110.4	170	36.2	50.1	3400		
	132.45.2800													20	3116	153							
17	131.50.3150	3432	2868	270	3342	2958	72	45	M42	84	8	12	65	180	0.5	20	3536	174	45.2	62.6	5000		
	132.50.3150													22	3537.6	158							

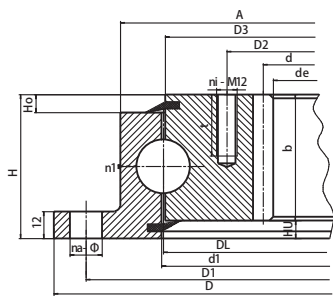
13 系列 - 内齿 Series 13--Internal Gear

序号 No.	内齿式 Internal gear DL mm	外型尺寸 Dimensions			安装尺寸 Mounting Dimensions							结构尺寸 Structural Dimensions				齿轮参数 Gear data				齿轮圆周力 Gear circumferential force		参考 重量 weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	dm mm	L mm	n1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	正火 Normalizing Z 104N	调质 Quenching T 104N		
1	133.25.500	634	366	148	598	402	24	18	M16	32	4	10	32	80	0.5	5	337	68	5	6.7	224	
	134.25.500														6	338.4	57					
2	133.25.560	694	426	148	658	462	24	18	M16	32	4	10	32	80	0.5	5	397	80	5	6.7	240	
	134.25.560													6	398.4	67						
3	133.25.630	764	496	148	728	532	28	18	M16	32	4	10	32	80	0.5	6	458.4	77	6	8	270	
	134.25.630													8	459.2	58						
4	133.25.710	844	576	148	808	612	28	18	M16	32	4	10	32	80	0.5	6	536.4	90	6	8	300	
	134.25.710													8	539.2	68						
5	133.32.800	964	636	182	920	680	36	22	M20	40	4	10	40	120	0.5	8	595.2	75	12.1	16.7	500	
	134.32.800													10	594	60						
6	133.32.900	1064	736	182	1020	780	36	22	M20	40	4	10	40	120	0.5	8	691.2	87	12.1	16.7	600	
	134.32.900													10	694	70						
7	133.32.1000	1164	836	182	1120	880	40	22	M20	40	5	10	40	120	0.5	10	784	79	15.1	20.9	680	
	134.32.1000													12	784.8	66						
8	133.32.1120	1284	956	182	1240	1000	40	22	M20	40	5	10	40	120	0.5	10	904	91	15.1	20.9	820	
	134.32.1120													12	904.8	76						
9	133.40.1250	1445	1055	220	1393	1107	45	26	M24	48	5	10	50	150	0.5	12	988.8	83	22.9	31.4	1200	
	134.40.1250													14	985.6	71						
10	133.40.1400	1595	1205	220	1543	1257	45	26	M24	48	5	10	50	150	0.5	12	1144.8	96	22.9	31.4	1300	
	134.40.1400													14	1139.6	82						
11	133.40.1600	1795	1405	220	1743	1457	48	26	M24	48	6	10	50	150	0.5	14	1335.6	96	26.3	36.6	1520	
	134.40.1600													16	1334.4	84						
12	133.40.1800	1995	1605	220	1943	1657	48	26	M24	48	6	10	50	150	0.5	14	1531.6	110	26.3	36.6	1750	
	134.40.1800													16	1526.4	96						
13	133.45.2000	2221	1779	231	2155	1845	60	33	M30	60	6	12	54	160	0.5	16	1702.4	107	32.2	44.5	2400	
	134.45.2000													18	1699.2	95						
14	133.45.2240	2461	2019	231	2395	2085	60	33	M30	60	6	12	54	160	0.5	16	1926.4	121	32.2	44.5	2700	
	134.45.2240													18	1933.2	108						
15	133.45.2500	2721	2279	231	2655	2345	72	33	M30	60	8	12	54	160	0.5	18	2185.2	122	36.2	50.1	3000	
	134.45.2500													20	2188	110						
16	133.45.2800	3021	2579	231	2955	2645	72	33	M30	60	8	12	54	160	0.5	18	2491.2	139	36.2	50.1	3400	
	134.45.2800													20	2488	125						
17	133.50.3150	3432	2868	270	3342	2958	72	45	M42	84	8	12	65	180	0.5	20	2768	139	45.2	62.6	5000	
	134.50.3150													22	2758.8	126						



法兰系列

Flange Type



HF-232

内齿
Internal Gear

外齿

内齿

法兰 系列 - 无齿 Series Flange Type--Non Gear

型号 Model DL	重量 Weight kg	外形尺寸 Dimensions			安装尺寸 Mounting Dimension							结构尺寸 Structural dimension							轴承间隙 Clearance	
		D [mm]	de [mm]	H [mm]	D1 [mm]	D2 [mm]	na	Φ/M [mm]	ni	Φ/M [mm]	T [mm]	n1	D3 [mm]	d1 [mm]	A [mm]	C [mm]	Hu [mm]	Ho [mm]	轴向 Axial	径向 Radial
HF-230.20.0414	23	518	304	56	490	332	16	18	24	18		4	412.5	415.5	453	375	10.5	10.5	≤ 0.5	≤ 0.5
HF-230.20.0544	30.4	648	434	56	620	462	20	18	28	18		4	542.5	545.5	583	505	10.5	10.5	≤ 0.5	≤ 0.5
HF-230.20.0644	35.8	748	534	56	720	562	24	18	32	18		4	642.5	645.5	683	605	10.5	10.5	≤ 0.5	≤ 0.5
HF-230.20.0744	42.2	848	634	56	820	662	24	18	32	18		4	742.5	745.5	783	705	10.5	10.5	≤ 0.5	≤ 0.5
HF-230.20.0844	47.1	948	734	56	920	762	28	18	36	18		4	842.5	845.5	883	805	10.5	10.5	≤ 0.5	≤ 0.5
HF-230.20.0944	52.3	1048	834	56	1020	862	32	18	40	18		4	942.5	945.5	983	905	10.5	10.5	≤ 0.5	≤ 0.5
HF-230.20.1094	61.1	1198	984	56	1170	1012	32	18	40	18		4	1092.5	1095.5	1133	1055	10.5	10.5	≤ 0.5	≤ 0.5

法兰 系列 - 外齿 Series Flange Type--External Gear

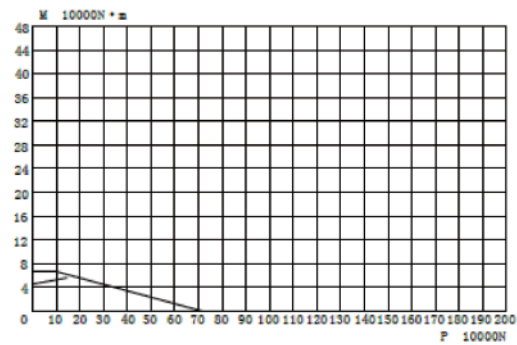
型号 Model DL	重量 Weight kg	外形尺寸 Dimensions			安装尺寸 Mounting Dimension							结构尺寸 Structural dimension							齿轮参数 Gear Data					允许 圆周力 Allowed [KN]	最大允许 圆周力 Max [KN]	轴承间隙 Clearance	
		D [mm]	de [mm]	H [mm]	D1 [mm]	D2 [mm]	na	Φ/M [mm]	ni	Φ/M [mm]	t [mm]	nl	D3 [mm]	d1 [mm]	A [mm]	C [mm]	Hu [mm]	Ho [mm]	D [mm]	m [mm]	z	B [mm]	k.m [mm]			轴向 Axial	径向 Radial
HF-231.20.0414	29	504	304	56	455	332	10	M12	24	18	20	4	412.5	415.5		375	10.5		495	5	99	45.5	+0.5	11.75	23.5	≤0.5	≤0.5
HF-231.20.0544	39.2	640.8	434	56	585	462	14	M12	28	18	20	4	542.5	545.5		505	10.5		630	6	105	45.5	+0.5	14.2	28.4	≤0.5	≤0.5
HF-231.20.0644	47.2	742.8	534	56	685	562	16	M12	32	18	20	4	642.5	645.5		605	10.5		732	6	122	45.5	+0.6	14.2	28.4	≤0.5	≤0.5
HF-231.20.0744	53.1	838.8	634	56	785	662	18	M12	32	18	20	4	742.5	745.5		705	10.5		828	6	138	45.5	+0.6	14.2	28.4	≤0.5	≤0.5
HF-231.20.0844	64.7	950.4	734	56	885	762	18	M12	36	18	20	4	842.5	845.5		805	10.5		936	8	117	45.5	+0.8	18.93	37.86	≤0.5	≤0.5
HF-231.20.0944	69.1	1046.4	834	56	985	862	20	M12	40	18	20	4	942.5	945.5		905	10.5		1032	8	129	45.5	+0.8	18.93	37.86	≤0.5	≤0.5
HF-231.20.1094	82.5	1198.4	984	56	1135	1012	22	M12	40	18	20	4	1092.5	1095.5		1055	10.5		1184	8	148	45.5	+0.8	18.93	37.86	≤0.5	≤0.5

法兰 系列 - 内齿 Series Flange Type--Internal Gear

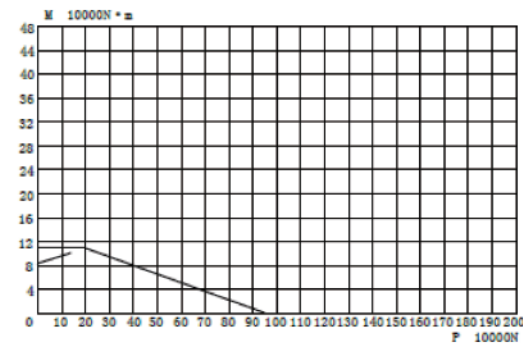
型号 Model DL	重量 Weight kg	外形尺寸 Dimensions			安装尺寸 Mounting Dimension							结构尺寸 Structural dimension							齿轮参数 Gear Data					允许 圆周力 Allowed [KN]	最大允许 圆周力 Max [KN]	轴承间隙 Clearance	
		D [mm]	de [mm]	H [mm]	D1 [mm]	D2 [mm]	na	Φ/M [mm]	ni	Φ/M [mm]	t [mm]	n1	D3 [mm]	d1 [mm]	A [mm]	C [mm]	Hu [mm]	Ho [mm]	D [mm]	m [mm]	z [mm]	B [mm]	k.m [mm]			轴向 Axial	径向 Radial
HF-232.20.0414	26.9	518	326.5	56	490	375	16	18	12	M12	20	4	412.5	415.5	453	10.5	335	5	67	45.5	-0.75	13.54	27.08	≤0.5	≤0.5	≤0.5	≤0.5
HF-232.20.0544	36.7	648	445.5	56	620	505	20	18	16	M12	20	4	542.5	545.5	583	10.5	456	6	76	45.5	-0.6	16	32	≤0.5	≤0.5	≤0.5	≤0.5
HF-232.20.0644	43.4	748	547.5	56	720	605	24	18	18	M12	20	4	642.5	645.5	683	10.5	558	6	93	45.5	-0.6	15.62	31.24	≤0.5	≤0.5	≤0.5	≤0.5
HF-232.20.0744	50.8	848	649.2	56	820	705	24	18	20	M12	20	4	742.5	745.5	783	10.5	660	6	110	45.5	-0.6	15.32	30.64	≤0.5	≤0.5	≤0.5	≤0.5
HF-232.20.0844	61.3	948	737.6	56	920	805	28	18	20	M12	20	4	842.5	845.5	883	10.5	752	8	94	45.5	-0.8	20.8	41.6	≤0.5	≤0.5	≤0.5	≤0.5
HF-232.20.0944	65.4	1048	841.6	56	1020	905	32	18	22	M12	20	4	942.5	945.5	983	10.5	856	8	107	45.5	-0.8	20.49	40.98	≤0.5	≤0.5	≤0.5	≤0.5
HF-232.20.1094	80.3	1198	985.6	56	1170	1055	32	18	24	M12	20	4	1092.5	1095.5	1133	10.5	1000	8	125	45.5	-0.8	20.16	40.32	≤0.5	≤0.5	≤0.5	≤0.5

轻型系列负载曲线图

Light Type Load Chart



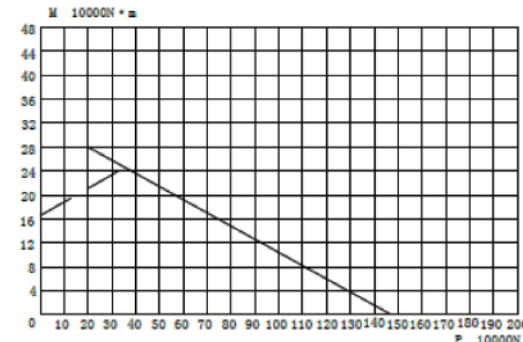
图一 06.20.0414



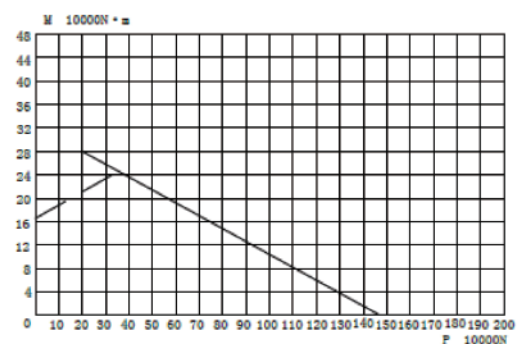
图二 06.20.0544



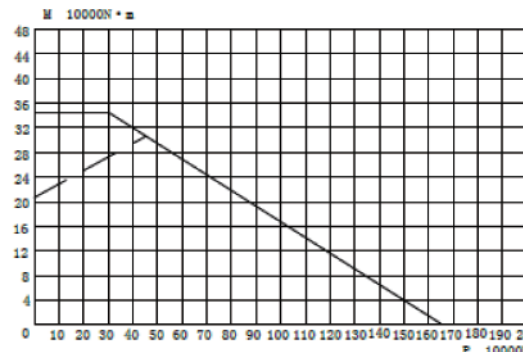
图三 06.20.0644



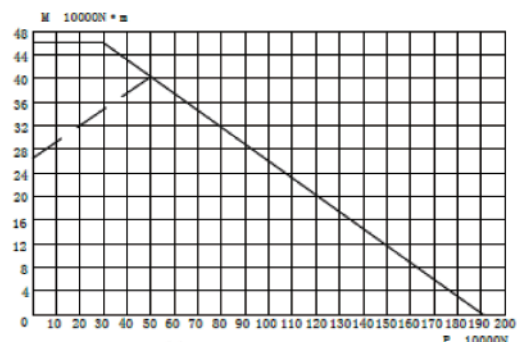
图五 06.20.0744



图五 06.20.0844



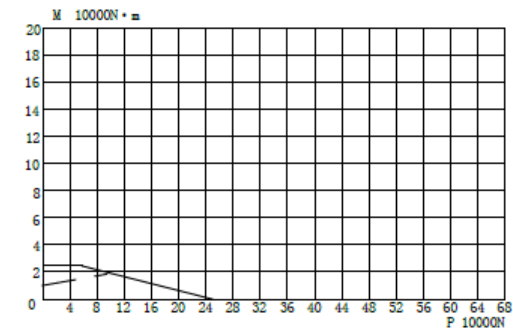
图六 06.20.0944



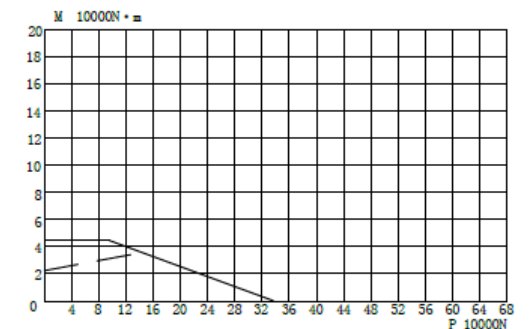
图七 06.20.1094

法兰系列负载曲线图

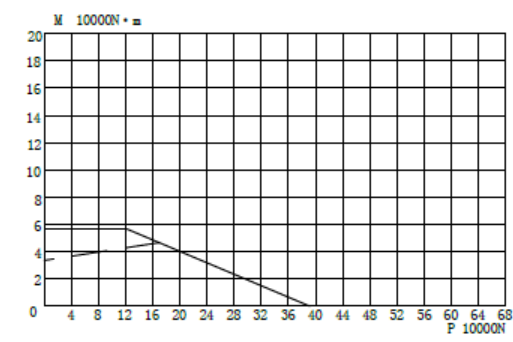
Flange Type Load Chart



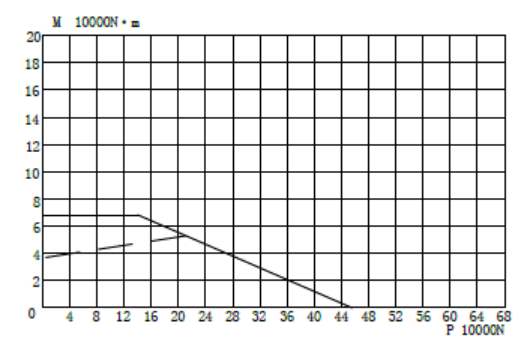
图一 23.20.0414



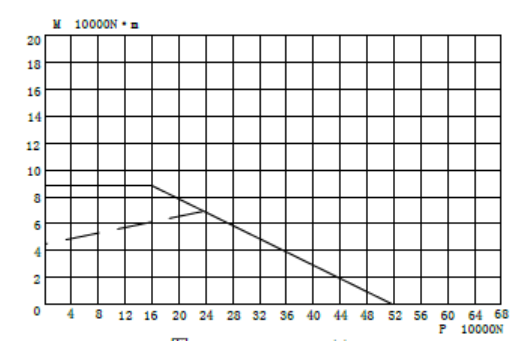
图二 23.20.0544



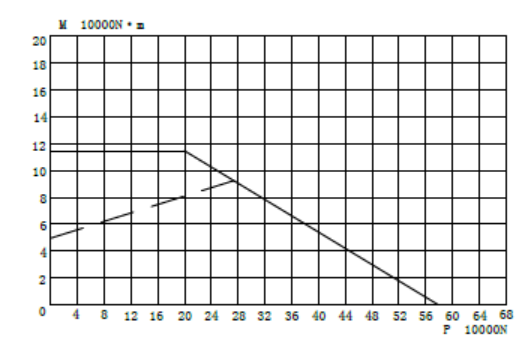
图三 23.20.0644



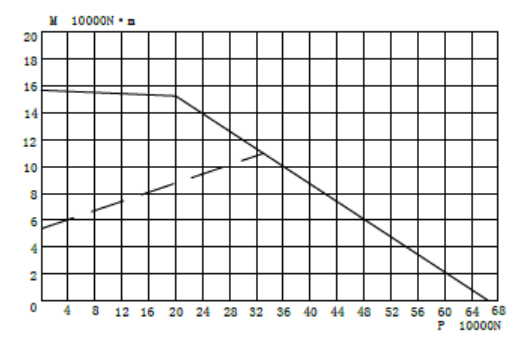
图四 23.20.0744



图五 23.20.0844



图六 23.20.0944



图五 23.20.1094

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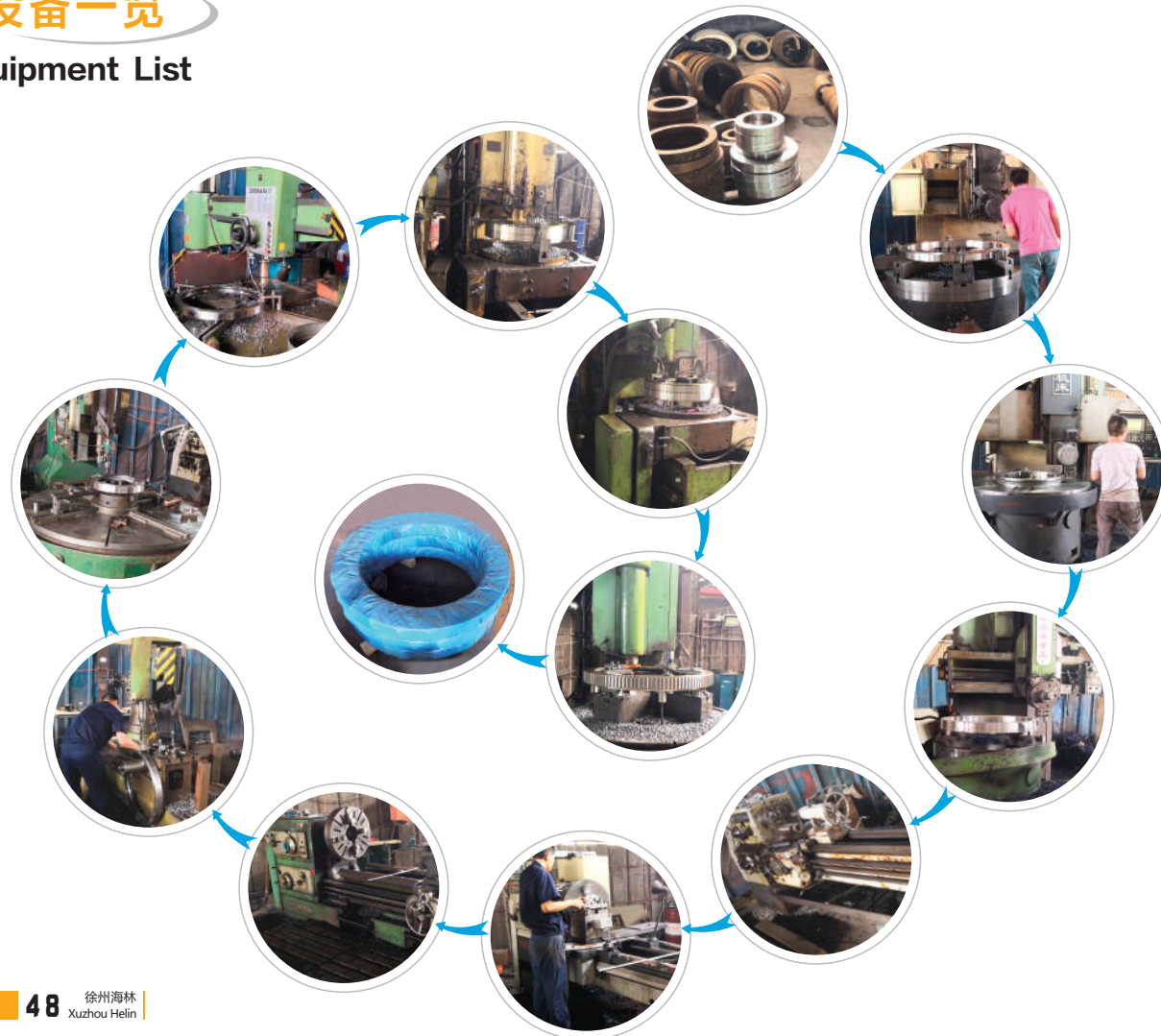
产品图片

Product Pictures



设备一览

Equipment List



应用领域

Application Area



船用起重机
Ship Crane



堆取料机
Stacker and Reclaimer



盾构机
Shield Machine



风力发电
Wind Power



钢包回转台
Ladle Turret



摩天轮
Ferris wheel



汽车起重机
Truck Crane



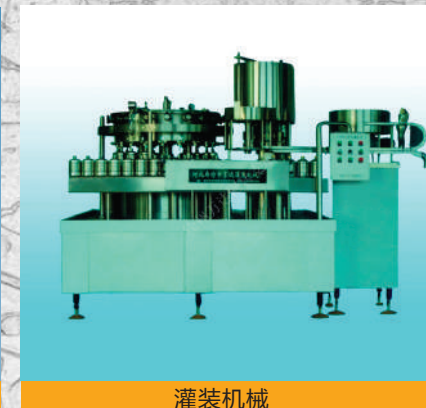
港口起重机
Port Crane



挖掘机
Excavator



塔吊
Tower Crane



灌装机械
Filling Machine



海洋平台起重机
Sea Crane