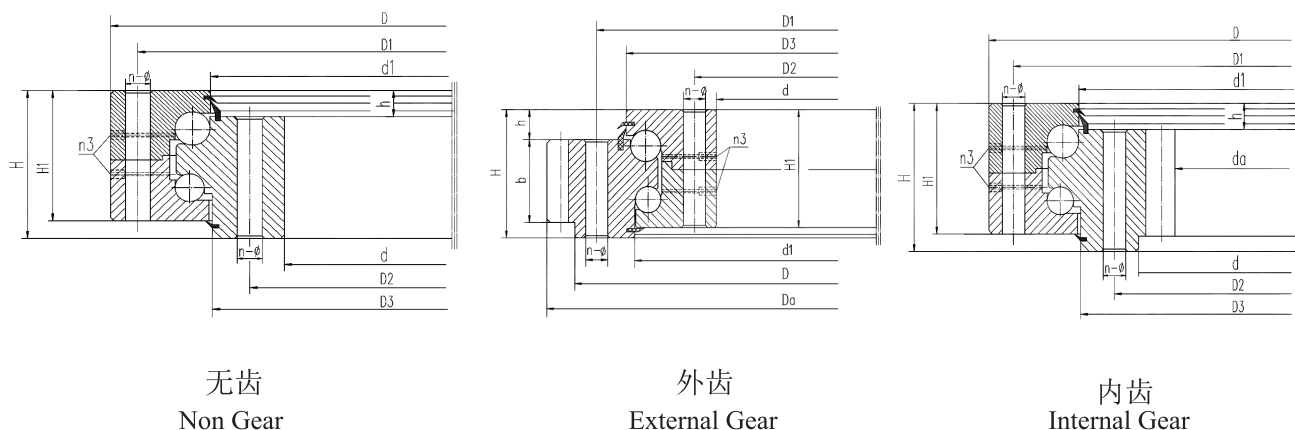


02 系列

双排球式回转支承 (02 系列)

Double row ball slewing bearing (02 series)



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 75° ，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。

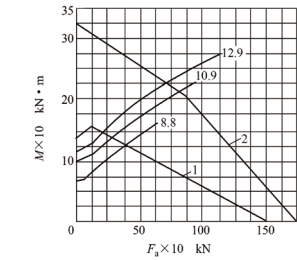
Structural characteristics, performance and scope of application

The double row ball slewing bearing has three seat rings. The steel balls and isolators can be directly arranged into the upper and lower raceways. According to the stress conditions, the upper and lower rows of steel balls with different diameters are arranged. This kind of open assembly is very convenient. The bearing angle of the upper and lower arc raceway is 75° . It can bear a great deal of axial force and overturning moment. When the radial force is greater than 0.1 times the axial force, the raceway must be specially designed. The axial and radial dimensions of the double row ball slewing bearing are relatively large and the structure is fastened. It is especially suitable for handling tower cranes, truck cranes and other loading machines that require medium or above diameters.

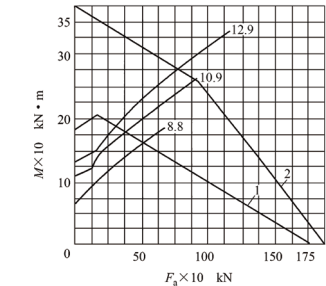
轴承型号 Bearing type				外形尺寸 Boundary dimensions			安装孔尺寸 Mounting hole diameter				结构尺寸 Structure dimensions					齿轮参数 Gear parameters					质量 Mass kg				
无齿式 Non-gear type	外齿式 External gear type	内齿式 Internal gear type		D	d	H	D1	D2	n		φ	D3	d1	H1	h	n3	m	外齿式 Ext gear	Z	Da mm	内齿式 Int gear	da mm	Z	b mm	x
				mm			mm		mm		mm														
020. 25. 500	021. 25. 500	023. 25. 500		616	384	106	580	420	20	18	523 (483)	517 (477)	96	26	4/M10X1	5	645	126	355	72	60	+0.5	100		
	022. 25. 500	024. 25. 500														6	648	105	348	59	60	+0.5	100		
020. 25. 560	021. 25. 560	023. 25. 560		676	444	106	640	480	20	18	583 (543)	577 (537)	96	26	4/M10X1	5	705	138	415	84	60	+0.5	115		
	022. 25. 560	024. 25. 560														6	708	115	408	69	60	+0.5	115		
020. 25. 630	021. 25. 630	023. 25. 630		746	514	106	710	550	24	18	653 (613)	647 (607)	96	26	4/M10X1	6	792	129	480	81	60	+0.5	130		
	022. 25. 630	024. 25. 630														8	792	96	472	60	60	+0.5	130		
020. 25. 710	021. 25. 710	023. 25. 710		826	594	106	790	630	24	18	733 (693)	727 (687)	96	26	4/M10X1	6	864	141	558	94	60	+0.5	140		
	022. 25. 710	024. 25. 710														8	864	105	552	70	60	+0.5	140		
020. 30. 800	021. 30. 800	023. 30. 800		942	658	124	898	702	30	22	828 (778)	822 (771)	114	29	6/M10X1	8	984	120	616	78	80	+0.5	200		
	022. 30. 800	024. 30. 800														10	990	96	610	62	80	+0.5	200		
020. 30. 900	021. 30. 900	023. 30. 900		1042	758	124	998	802	30	22	928 (878)	922 (871)	114	29	6/M10X1	8	1088	133	712	90	80	+0.5	250		
	022. 30. 900	024. 30. 900														10	1090	106	710	72	80	+0.5	250		
020. 30. 1000	021. 30. 1000	023. 30. 1000		1142	858	124	1098	902	36	22	1028 (978)	1022 (971)	114	29	6/M10X1	10	1200	117	810	82	80	+0.5	300		
	022. 30. 1000	024. 30. 1000														12	1200	97	792	67	80	+0.5	300		
020. 30. 1120	021. 30. 1120	023. 30. 1120		1262	978	124	1218	1022	36	22	1148 (1098)	1142 (1091)	114	29	6/M10X1	10	1320	129	920	93	80	+0.5	340		
	022. 30. 1120	024. 30. 1120														12	1320	107	912	77	80	+0.5	340		
020. 40. 1250	021. 40. 1250	023. 40. 1250		1426	1074	160	1374	1126	40	26	1286 (1218)	1282 (1214)	150	39	6/M10X1	12	1500	122	1008	85	90	+0.5	580		
	022. 40. 1250	024. 40. 1250														14	1498	104	1008	73	90	+0.5	580		
020. 40. 1400	021. 40. 1400	023. 40. 1400		1576	1224	160	1524	1272	40	26	1436 (1368)	1432 (1364)	150	39	6/M10X1	12	1644	134	1152	97	90	+0.5	650		
	022. 40. 1400	024. 40. 1400														14	1652	115	1148	83	90	+0.5	650		
020. 40. 1600	021. 40. 1600	023. 40. 1600		1776	1424	160	1724	1476	45	26	1636 (1568)	1632 (1564)	150	39	8/M10X1	14	1848	129	1344	97	90	+0.5	750		
	022. 40. 1600	024. 40. 1600														16	1856	113	1344	85	90	+0.5	750		
020. 40. 1800	021. 40. 1800	023. 40. 1800		1976	1624	160	1924	1676	45	26	1836 (1768)	1832 (1764)	150	39	8/M10X1	14	2058	144	1540	111	90	+0.5	820		
	022. 40. 1800	024. 40. 1800														16	2064	126	1536	97	90	+0.5	820		
020. 50. 2000	021. 50. 2000	023. 50. 2000		2215	1785	190	2149	1851	48	33	2038 (1968)	2032 (1962)	178	47	8/M10X1	16	2304	141	1696	107	120	+0.5	1150		
	022. 50. 2000	024. 50. 2000														18	2304	125	1692	95	120	+0.5	1150		
020. 50. 2240	021. 50. 2240	023. 50. 2240		2455	2025	190	2389	2091	48	33	2278 (2208)	2272 (2202)	178	47	8/M10X1	16	2544	156	1936	122	120	+0.5	1500		
	022. 50. 2240	024. 50. 2240														18	2556	139	1926	108	120	+0.5	1500		

02 系列负载曲线图
Series 02 Load Chart

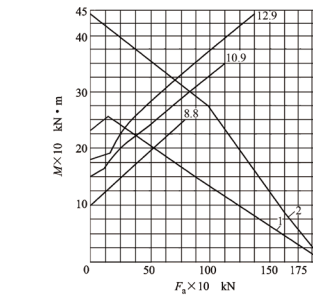
轴承型号 Bearing type			外形尺寸 Boundary dimensions			安装孔尺寸 Mounting hole diameter			结构尺寸 Structure dimensions					齿轮参数 Gear parameters				质量 Mass kg					
无齿式 Non-gear type	外齿式 External gear type	内齿式 Internal gear type	D	d	H	D1	D2	n		φ	D3	d1	H1	h	n3	m	外齿式 Ext gear		内齿式 Int gear		b	x	
								mm	mm								mm	mm	mm	mm			mm
020. 50. 2500	021. 50. 2500	023. 50. 2500	2715	2285	190	2649	2351	56	33	2538 (2468)	2532 (2462)	178	47		8/M10X1	18	2804	153	2196	123	120	+0.5	1700
	022. 50. 2500	024. 50. 2500													20	2820	138	2180	110	120	+0.5	1700	
020. 50. 2800	021. 50. 2800	023. 50. 2800	3015	2585	190	2949	2651	56	33	2838 (2768)	2832 (2762)	178	47		8/M10X1	18	3114	170	2484	139	120	+0.5	1900
	022. 50. 2800	024. 50. 2800													20	3120	153	2480	125	120	+0.5	1900	
020. 60. 3150	021. 60. 3150	023. 60. 3150	3428	2872	226	3338	2962	56	45	3198 (3108)	3192 (3102)	214	56		8/M10X1	20	3540	174	2760	139	150	+0.5	3300
	022. 60. 3150	024. 60. 3150													22	3542	158	2750	126	150	+0.5	3300	
020. 60. 3550	021. 60. 3550	023. 60. 3550	3828	3272	226	3738	3362	56	45	3598 (3508)	3592 (3502)	214	56		8/M10X1	20	3940	194	3160	159	150	+0.5	3700
	022. 60. 3550	024. 60. 3550													22	3938	176	3168	145	150	+0.5	3700	
020. 60. 4000	021. 60. 4000	023. 60. 4000	4278	3722	226	4188	3812	60	45	4048 (3958)	4042 (3952)	214	56		10/M10X1	22	4400	197	3608	165	150	+0.5	4200
	022. 60. 4000	024. 60. 4000													25	4400	173	3600	145	150	+0.5	4200	
020. 60. 4500	021. 60. 4500	023. 60. 4500	4778	4222	226	4688	4312	60	45	4548 (4458)	4542 (4452)	214	56		10/M10X1	22	4884	219	4114	188	150	+0.5	4700
	022. 60. 4500	024. 60. 4500													25	4900	193	4100	165	150	+0.5	4700	



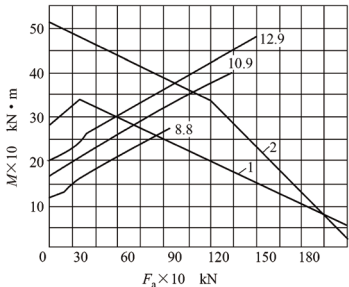
02*. 25. 500



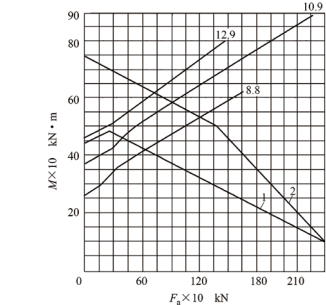
02*. 25. 560



02*. 25. 630



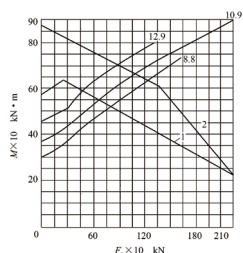
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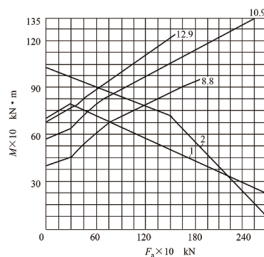
02*. 30. 800

02 系列负载曲线图

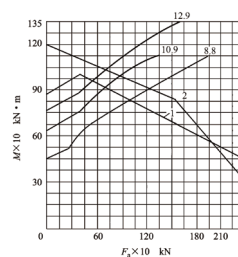
Series 02 Load Chart



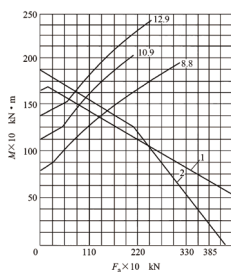
02* 30. 900



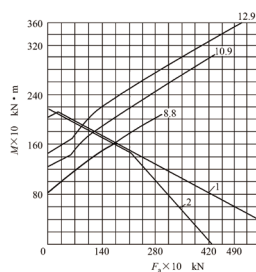
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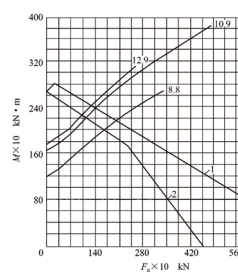
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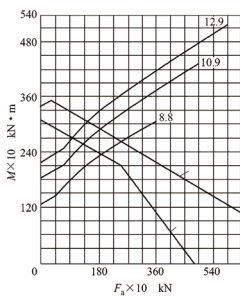
02* 40. 1250



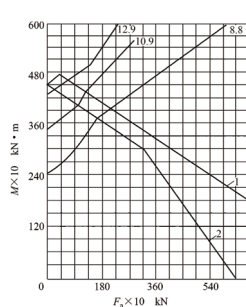
02* 40. 1400



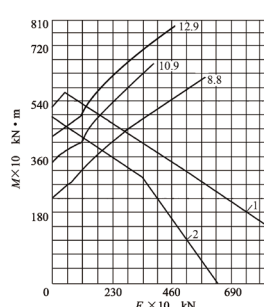
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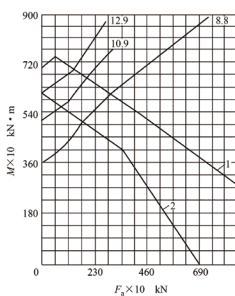
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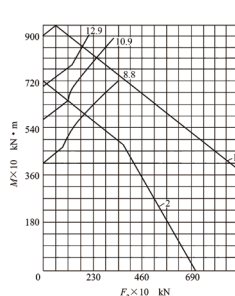
02* 50. 2000



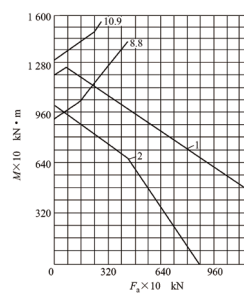
02* 50. 2240



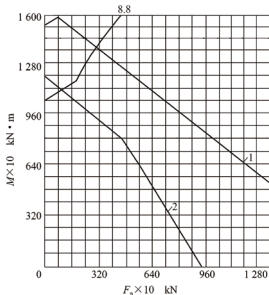
02* 50. 2500



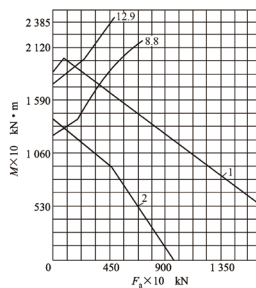
02* 50. 2800



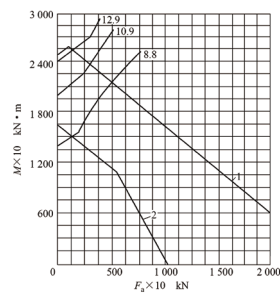
02* 60. 3150



02* 60. 3550



02* 60. 4000



02* 60. 4500