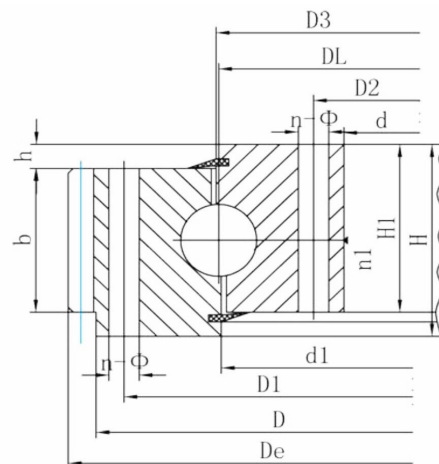




Four Point Contact Ball Slewing Bearing

External Gear(011/012 Series)

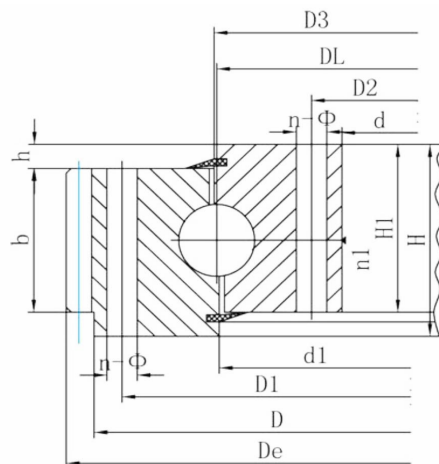


No	External gear D L mm	Dimensions			Mounting Dimensions						Structural Dimension					Gear data					Tooth force		wei ght kg
		D mm	d mm	H mm	D 1 mm	D 2 mm	n	Ø mm	dm mm	L mm	n 1	D 3 mm	d 1 mm	H 1 mm	h mm	b mm	x	M mm	D e mm	z	Norm alizing Z10 ⁴ N	Quen ching T10 ⁴ N	
1	011.20.200	280	120	60	248	152	12	16	M14	28	2	201	199	50	10	40	0	3	300	98	1.5	2.1	24
2	011.20.224	304	144	60	272	176	12	16	M14	28	2	225	223	50	10	40	0	3	321	105	1.5	2.1	25
3	011.20.250	330	170	60	298	202	18	16	M14	28	2	251	249	50	10	40	0	4	352	86	2.1	2.8	30
4	011.20.280	360	200	60	328	232	18	16	M14	28	2	281	279	50	10	40	0	4	384	94	1.5	2.8	34
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	52
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	59
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	69
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	76
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	85
	012.30.500																	6	628.8	102	4.5	6.2	
9'	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	85
	012.25.500																	6	628.8	102	4.5	6.2	
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	95
	012.30.560																	6	688.8	112	4.5	6.2	



Four Point Contact Ball Slewing Bearing

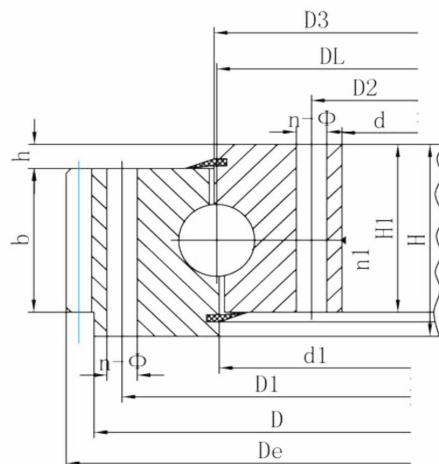
External Gear(011/012 Series)



No	External gear D L mm	Dimensions			Mounting Dimensions						Structural Dimension					Gear data					Tooth force		wei ght kg
		D mm	d mm	H mm	D 1 mm	D 2 mm	n	Ø mm	dm mm	L mm	n 1	D 3 mm	d 1 mm	H 1 mm	h mm	b mm	x	M mm	D e mm	z	Norm alizing Z10°N	Quen ching T10°N	
10'	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	95
	012.25.560																	6	688.8	112	4.5	6.2	
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	110
	012.30.630																	8	774.4	94	6	8.3	
11'	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	110
	012.25.630																	8	774.4	94	6	8.2	
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	120
	012.30.710																	8	854.4	104	6	8.3	
12'	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	120
	012.25.710																	8	854.4	104	6	8.9	
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	220
	012.40.800																	10	968	94	10	14	
13'	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	220
	012.30.800																	10	968	94	10	14.1	

Four Point Contact Ball Slewing Bearing

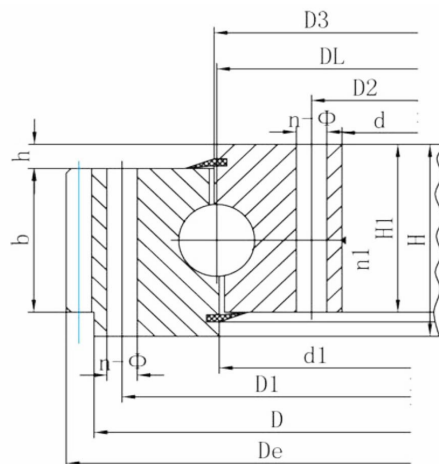
External Gear(011/012 Series)



No	External gear D L mm	Dimensions			Mounting Dimensions						Structural Dimension					Gear data					Tooth force		wei ght kg
		D mm	d mm	H mm	D 1 mm	D 2 mm	n	Ø mm	dm mm	L mm	n 1	D 3 mm	d 1 mm	H 1 mm	h mm	b mm	x	M mm	D e mm	z	Norm alizing Z10 ⁴ N	Quen ching T10 ⁴ N	
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	240
	012.40.900																	10	1068	104	10	14	
14'	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	240
	012.30.900																	10	1068	104	10	14	
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	270
	012.40.1000																	12	1185.6	96	12	16.7	
15'	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	270
	012.30.1000																	12	1185.6	96	12	16.7	
16	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	300
	012.40.1120																	12	1305.6	106	12	16.7	
16'	011.30.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10	80	0.5	10	1298	127	10	14	300
	012.30.1120																	12	1305.6	106	12	16.7	
17	011.45.1250	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
	012.45.1250																	14	1453.2	101	15.8	21.9	

Four Point Contact Ball Slewing Bearing

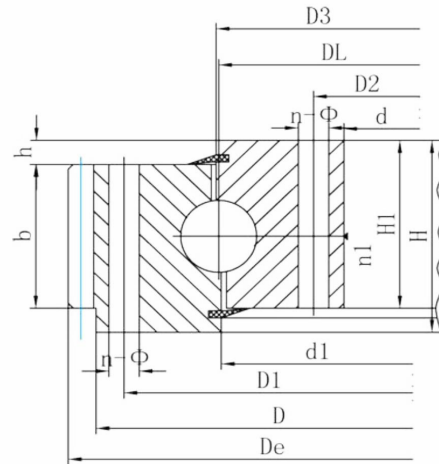
External Gear(011/012 Series)



No	External gear D L mm	Dimensions			Mounting Dimensions						Structural Dimension					Gear data					Tooth force		weight kg
		D mm	d mm	H mm	D 1 mm	D 2 mm	n	Ø mm	dm mm	L mm	n 1	D 3 mm	d 1 mm	H 1 mm	h mm	b mm	x	M mm	D e mm	z	Norm alizing Z10 ⁴ N	Quen ching T10 ⁴ N	
17'	011.35.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1251	1248	100	10	90	0.5	12	1449.6	118	13.5	18.8	420
	012.35.1250																	14	1453.2	101	15.8	21.9	
18	011.45.1400	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
	012.45.1400																	14	1607.2	112	15.5	21.9	
18'	011.35.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1401	1398	100	10	90	0.5	12	1605.6	131	13.5	18.8	480
	012.35.1400																	14	1607.2	112	15.8	21.9	
19	011.45.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1602	1598	100	10	90	0.5	14	1817.2	127	15.8	21.9	550
	012.45.1600																	16	1820.8	111	18.1	25	
19'	011.35.1600	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
	012.35.1600																	16	1820.8	111	18.1	25	
20	011.45.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1802	1798	100	10	90	0.5	14	2013.2	141	15.8	21.9	610
	012.45.1800																	16	2012.8	123	18.1	25	
20'	011.35.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1801	1798	100	10	90	0.5	14	2013.2	141	15.8	21.9	610
	012.35.1800																	16	2012.8	123	18.1	25	

Four Point Contact Ball Slewing Bearing

External Gear(011/012 Series)

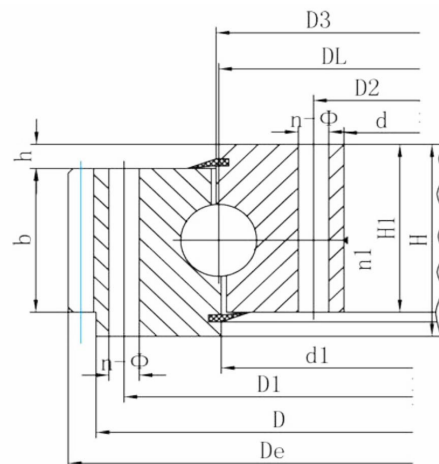


No	External gear D L mm	Dimensions			Mounting Dimensions						Structural Dimension					Gear data					Tooth force		wei ght kg
		D mm	d mm	H mm	D 1 mm	D 2 mm	n	Ø mm	dm mm	L mm	n 1	D 3 mm	d 1 mm	H 1 mm	h mm	b mm	x	M mm	D e mm	z	Norm alizing Z10 ⁴ N	Quen ching T10 ⁴ N	
21	011.60.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2002	1998	132	12	120	0.5	16	2268.8	139	24.1	33.3	110
	012.60.2000																	18	2264.4	123	27.1	37.5	0
21'	011.40.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2001	1998	132	12	120	0.5	16	2268.8	139	24.1	33.3	110
	012.40.2000																	18	2264.4	123	27.1	37.5	0
22	011.60.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2242	2238	132	12	120	0.5	16	2492.8	153	24.1	33.3	125
	012.60.2240																	18	2498.4	136	27.1	37.5	0
22'	011.40.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2241	2238	132	12	120	0.5	16	2492.8	153	24.1	33.3	125
	012.40.2240																	18	2498.4	136	27.1	37.5	0
23	011.60.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2502	2498	132	12	120	0.5	18	2768.4	151	27.1	37.5	140
	012.60.2500																	20	2776	136	30.1	41.8	0
23'	011.40.2500	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	140
	012.40.2500																	20	2776	136	30.1	41.8	0
24	011.60.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	120	0.5	18	3074.4	168	27.1	37.5	160
	012.60.2800																	20	3076	151	30.1	41.8	0



Four Point Contact Ball Slewing Bearing

External Gear(011/012 Series)

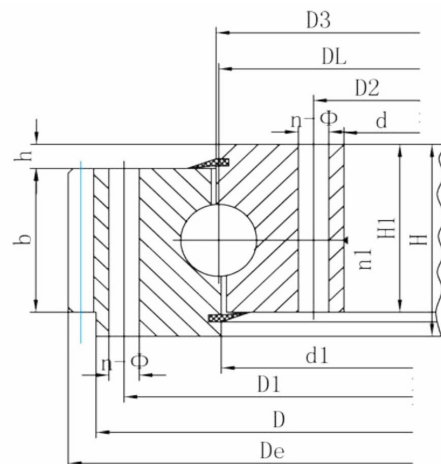


No	External gear D L mm	Dimensions			Mounting Dimensions						Structural Dimension					Gear data					Tooth force		wei ght kg
		D mm	d mm	H mm	D 1 mm	D 2 mm	n	Ø mm	dm mm	L mm	n 1	D 3 mm	d 1 mm	H 1 mm	h mm	b mm	x	M mm	D e mm	z	Norm alizing Z10 ⁴ N	Quen ching T10 ⁴ N	
24'	011.40.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	120	0.5	18	3074.4	168	27.1	37.5	160
	012.40.2800																	20	3076	151	30.1	41.8	0
25	011.75.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12	150	0.5	20	3476	171	37.7	52.2	280
	012.75.3150																	22	3471.6	155	41.5	57.4	0
25'	011.50.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12	150	0.5	20	3476	171	37.7	52.2	280
	012.50.3150																	22	3471.6	155	41.5	57.4	0
26	011.75.3550	3776	3322	174	3686	3014	56	45	M42	84	8	3552	3547	162	12	150	0.5	20	3876	191	37.7	51.7	350
	012.75.3550																	22	3889.6	174	41.5	57	0
26"	011.50.3550	3776	3322	174	3686	3014	56	45	M42	84	10	3552	3548	162	12	150	0.5	20	3876	191	37.7	51.7	350
	012.50.3550																	22	3889.6	174	41.5	57	0
27	011.75.4000	4226	3772	174	4136	3864	60	45	M42	84	10	4002	3997	162	12	150	0.5	22	4329.6	194	41.5	57	420
	012.75.4000																	25	4345	171	47.1	64.6	0
27"	011.50.4000	4226	3772	174	4136	3864	60	45	M42	84	10	4002	3998	162	12	150	0.5	22	4330	194	42	57	420
	012.50.4000																	25	4345	171	47.1	64.6	0



Four Point Contact Ball Slewing Bearing

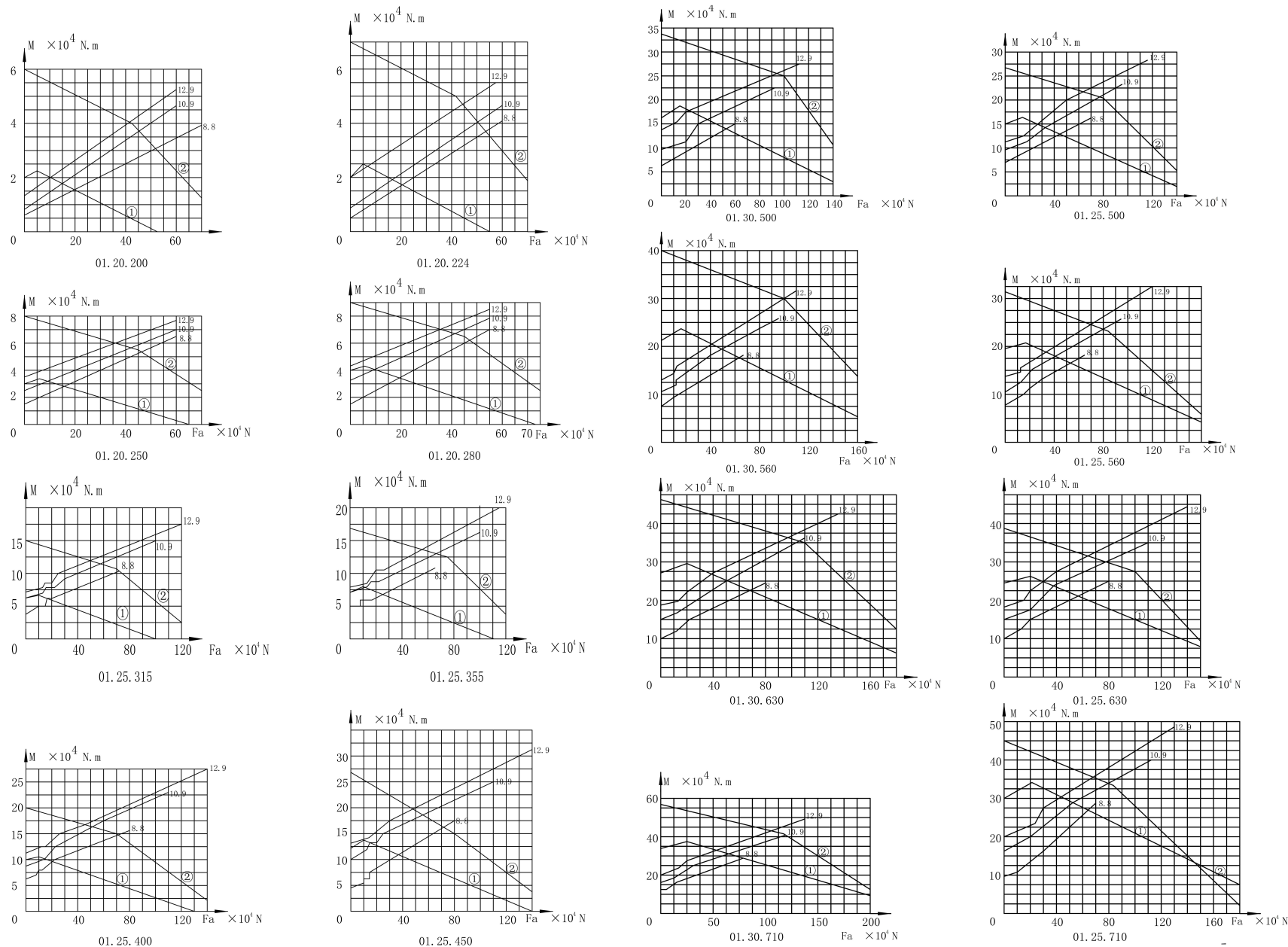
External Gear(011/012 Series)



No	External gear D L mm	Dimensions			Mounting Dimensions						Structural Dimension					Gear data					Tooth force		wei ght kg
		D mm	d mm	H mm	D 1 mm	D 2 mm	n	Ø mm	dm mm	L mm	n 1	D 3 mm	d 1 mm	H 1 mm	h mm	b mm	x	M mm	D e mm	z	Norm alizing Z10 ⁴ N	Quen ching T10 ⁴ N	
28	011.75.4500	4726	4272	174	4636	4364	60	45	M42	84	10	4502	4497	162	12	150	1	22	4835.6	217	41.5	57	510
	012.75.4500																	25	4845.0	191.0	47.1	64.6	0
28"	011.50.4500	4726	4272	174	4636	4364	60	45	M42	84	10	4502	4498	162	12	150	0.5	22	4835.6	217	41.5	57	510
	012.50.4500																	25	4845	191	47.1	64.6	0

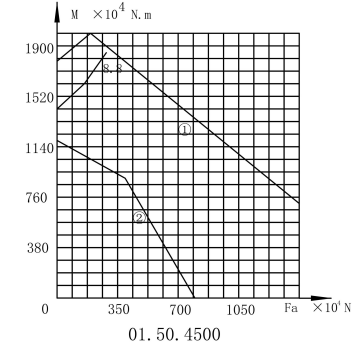
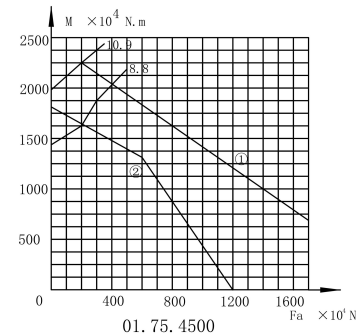
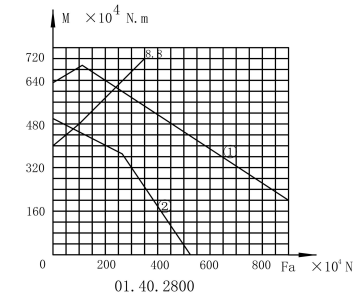
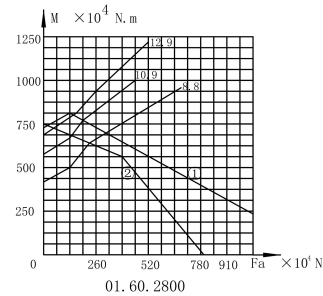
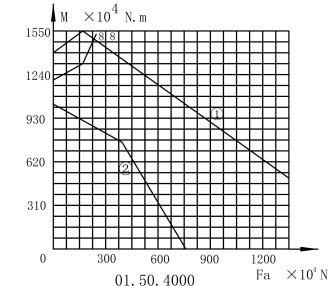
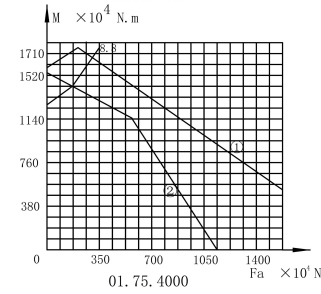
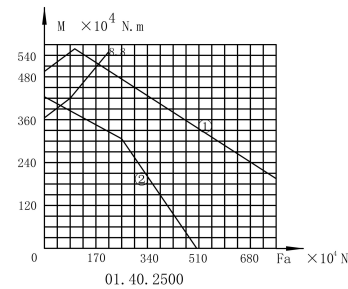
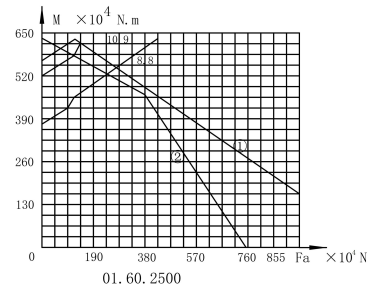
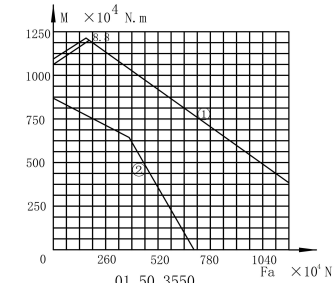
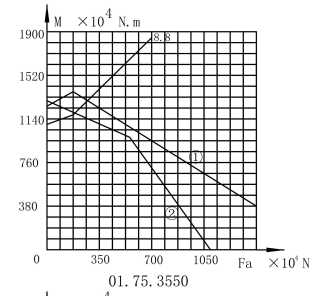
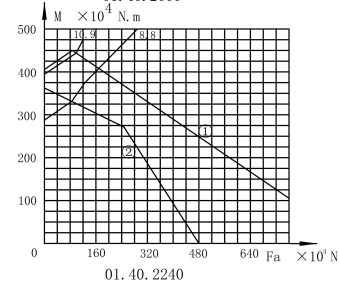
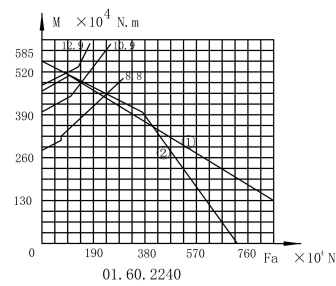
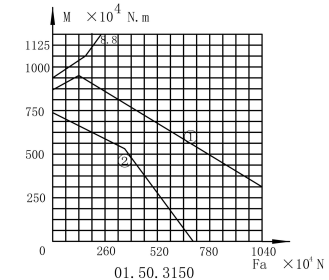
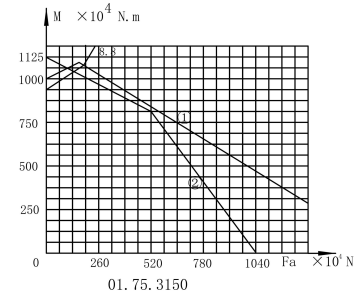
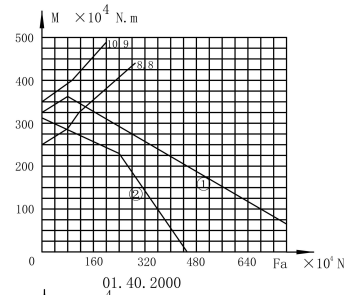
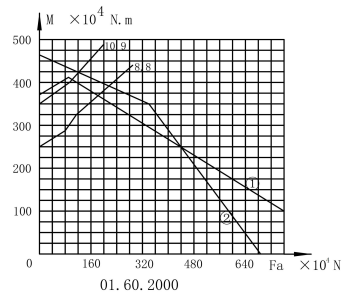


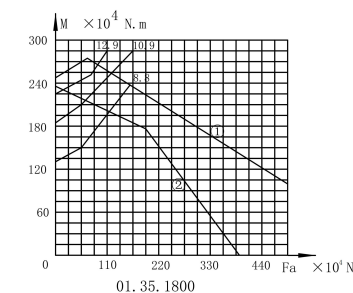
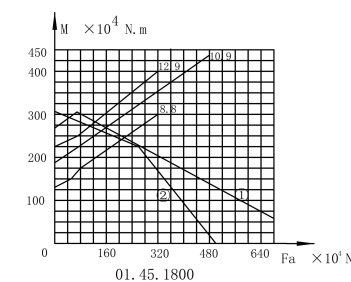
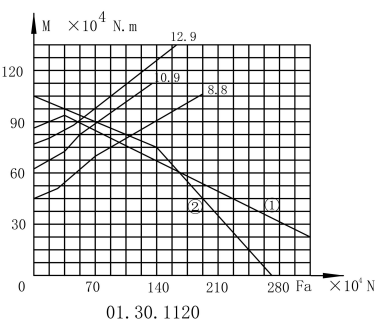
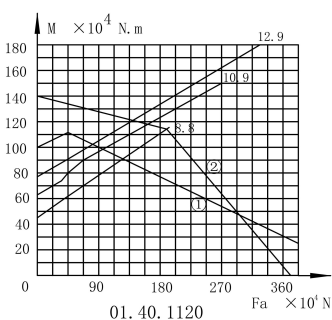
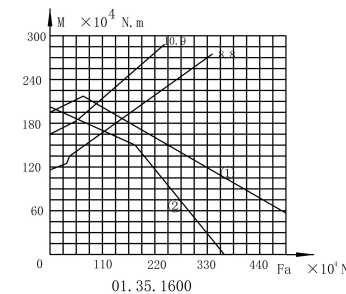
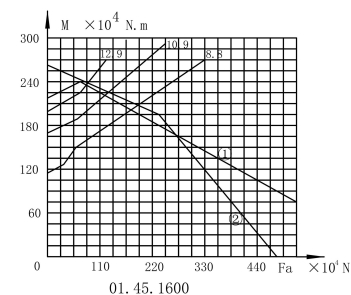
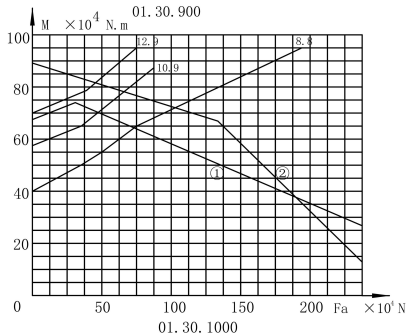
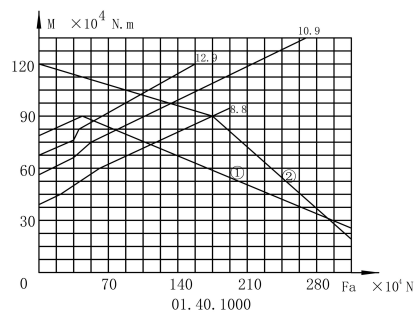
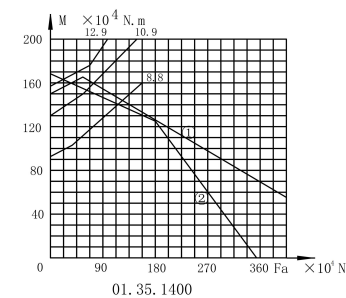
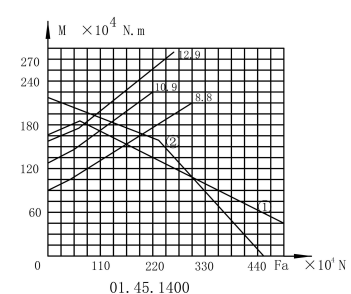
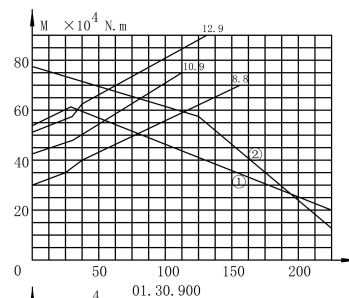
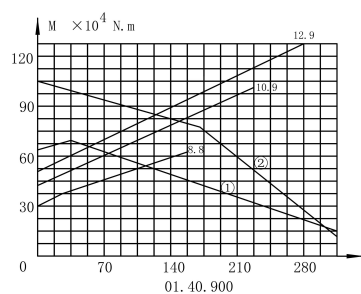
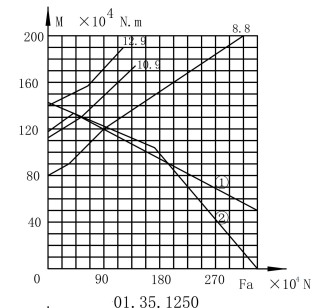
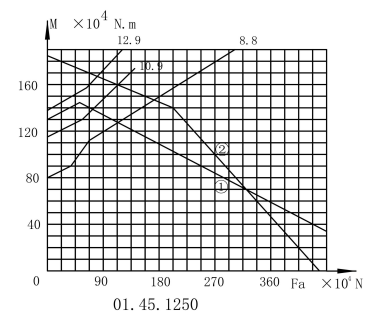
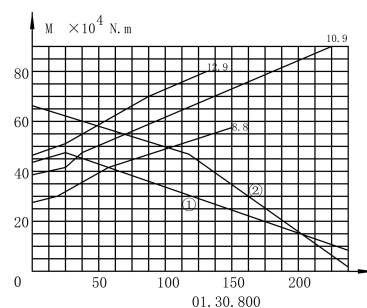
Four Point Contact Ball Slewing Bearing Load Curve



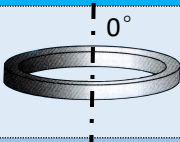


Four Point Contact Ball Slewing Bearing Load Curve

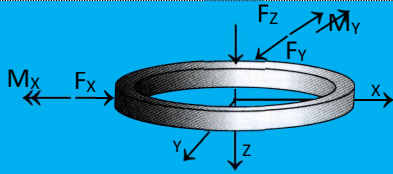




Application Questionnaire

Application			
Axis of rotation (Unit: Degree)	 		
Mounting position	Horizontal ☐	Suspend ☐	Vertical ☐
Number of motors			
Position of motor on lever (Unit:Degree)			

Load

	1	2	3	4
	Operating load	Max.working load	Testing load	Extreme load (out of operation)
Axial force Fz KN				
Radial force Fx KN				
Radial force Fy KN				
Moment Mx KNm				
Moment My KNm				
Load percentage				
Ratio Percentage				

Operating Condition

Environment(dust,water,seaeater,chemical substance,and etc)	
Operating temperature	℃
Working time	hour/day
Rotation time	%
Oscillating frequency	1/hour
Mean rotating degree each oscillating moment	°