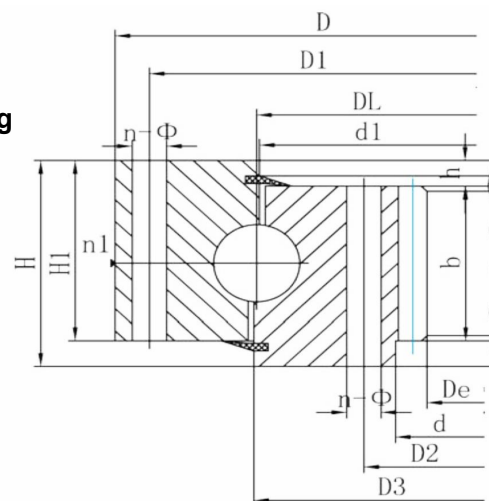




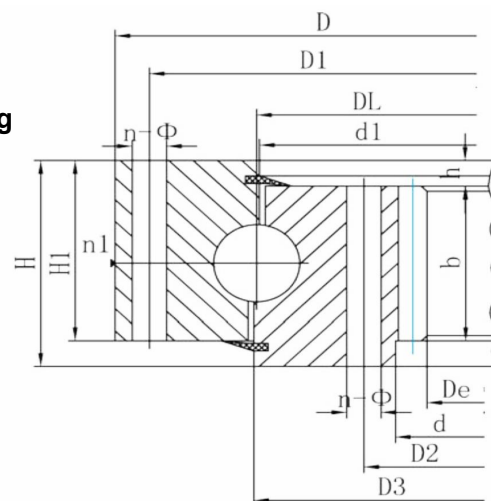
Four Point Contact Ball Slewing Bearing **Internal Gear(013/014 Series)**



No	Internal gear DL 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	De mm	z	Norm alizing Z10°N	Quenc hing T10°N	
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	49
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	54
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	62
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	71
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																	6	368.4	62	4.5	6.2	
5'	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	368.4	62	4.5	6.2	
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																	6	428.4	72	4.5	6.2	
6'	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																	6	428.4	72	4.5	6.2	
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																	8	491.2	62	6	8.3	



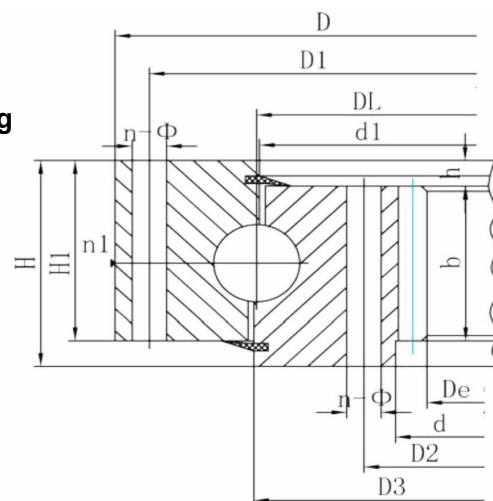
Four Point Contact Ball Slewing Bearing **Internal Gear(013/014 Series)**



No	Internal gear D L mm	Dimensions			Mounting Dimensions						Structural Dimension					Gear data					Tooth force		Weight ht 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	Normalizing Z10°N	Quenching T10°N	
7'	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	491.2	62	6	8.2	
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																	8	571.2	72	6	8.3	
8'	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																	8	571.2	72	6	8.9	
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																	10	634	64	10	14	
9'	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	634	64	10	14.1	
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																	10	734	74	10	14	
10'	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																	10	734	74	10	14	



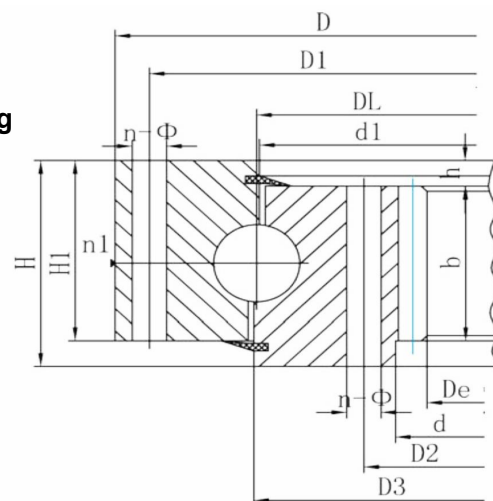
Four Point Contact Ball Slewing Bearing **Internal Gear(013/014 Series)**



No	Internal gear DL 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	De mm	z	Normalizing Z10°N	Quenching T10°N	
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																	12	820.8	69	12	16.7	
11'	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	820.8	69	12	16.7	
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																	12	940.8	79	12	16.7	
12'	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																	12	940.8	79	12	16.7	
13	013.45.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1252	1248	100	10	90	0.5	12	1049	88	13.5	18.8	420
	014.45.1250																	14	1042	75	15.8	21.9	
13'	013.35.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1251	1248	100	10	90	0.5	12	1049	88	13.5	18.8	420
	014.35.1250																	14	1042	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	1193	100	13.5	18.8	480
	014.45.1400																	14	1196	86	15.5	21.9	



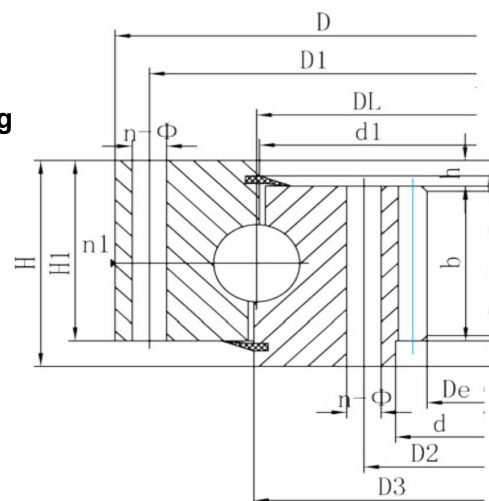
Four Point Contact Ball Slewing Bearing **Internal Gear(013/014 Series)**



No	Internal gear DL 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	De mm	z	Normalizing Z10°N	Quenching T10°N	
14	013.35.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1401	1398	100	10	90	0.5	12	1193	100	13.5	18.8	480
	014.35.1400																	14	1196	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	1392	100	15.8	21.9	550
	014.45.1600																	16	1382	87	18.1	25	
15'	013.35.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1601	1598	100	10	90	0.5	14	1392	100	15.8	21.9	550
	014.35.1600																	16	1382	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	1574	113	15.8	21.9	610
	014.45.1800																	16	1574	99	18.1	25	
16'	013.35.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1801	1798	100	10	90	0.5	14	1574	113	15.8	21.9	610
	014.35.1800																	16	1574	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	109	24.1	33.3	1100
	014.60.2000																	18	1735	97	27.1	37.5	
17'	013.40.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2001	1998	132	12	120	0.5	16	1734	109	24.1	33.3	1100
	014.40.2000																	18	1735	97	27.1	37.5	



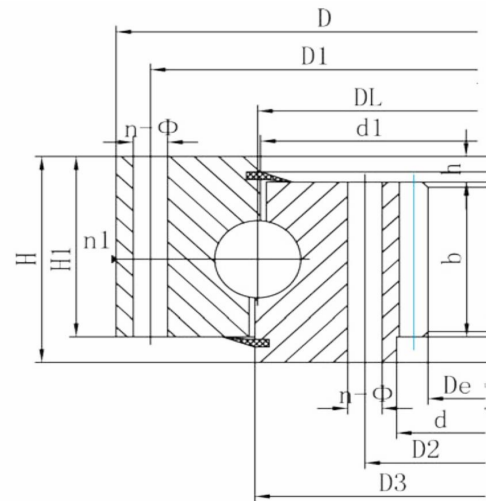
Four Point Contact Ball Slewing Bearing **Internal Gear(013/014 Series)**



No	Internal gear DL 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	De mm	z	Normalizing Z10°N	Quenching T10°N	
18	013.60.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2242	2238	132	12	120	0.5	16	1990	125	24.1	33.3	1250
	014.60.2240																	18	1987	111	27.1	37.5	
18'	013.40.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2241	2238	132	12	120	0.5	16	1990	125	24.1	33.3	1250
	014.40.2240																	18	1987	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	125	27.1	37.5	1400
	014.60.2500																	20	2228	112	30.1	41.8	
19'	013.40.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2501	2498	132	12	120	0.5	18	2239	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	141	27.1	37.5	1600
	014.60.2800																	20	2528	127	30.1	41.8	
20'	013.40.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	120	0.5	18	2527	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	2825	129	41.5	57.4	



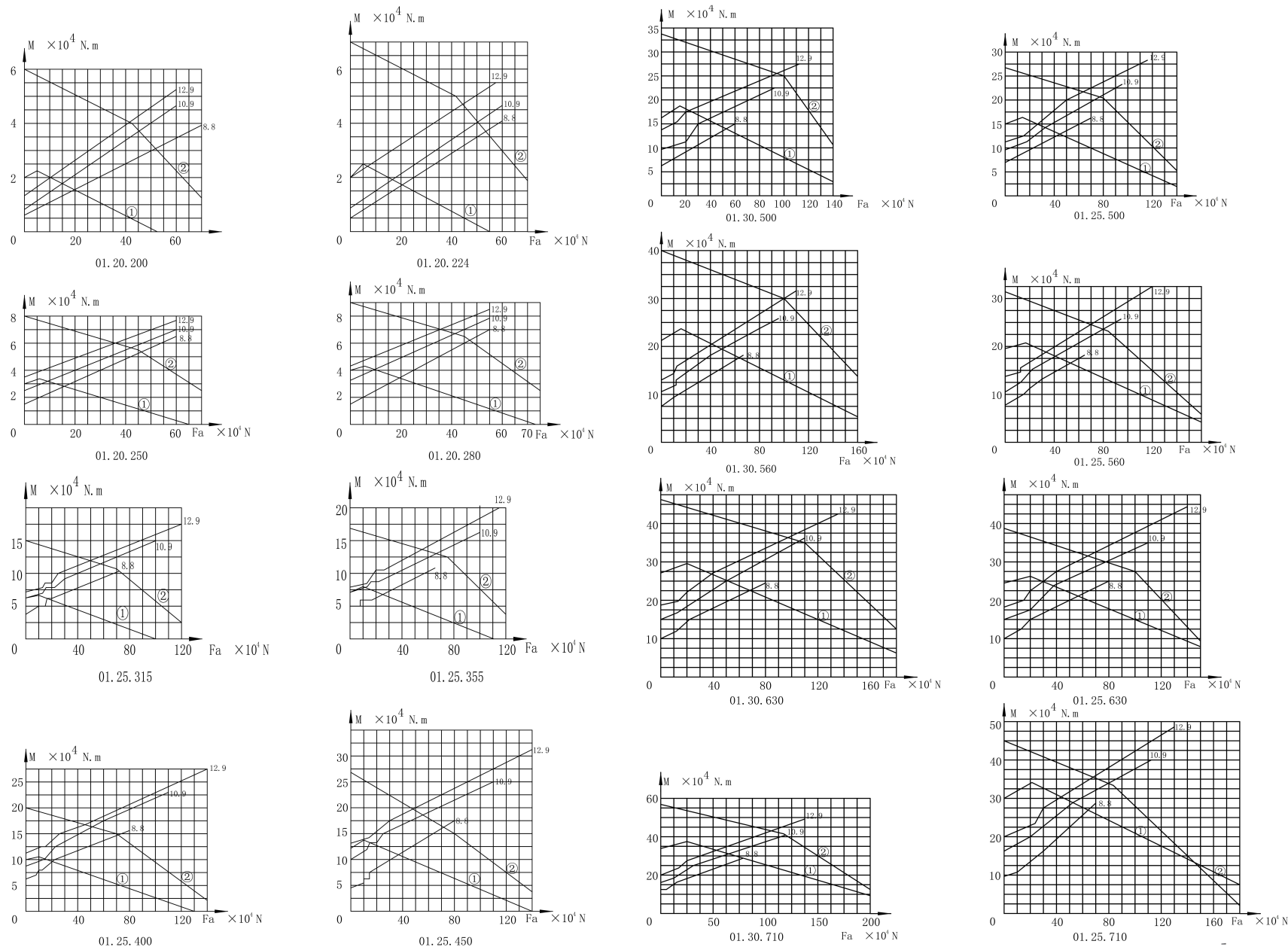
Four Point Contact Ball Slewing Bearing Internal Gear(013/014 Series)



No	Internal gear D L mm	Dimensions			Mounting Dimensions						Structural Dimension					Gear data					Tooth force		Weig ht 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	Quenc hing T10°N	
21'	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	2825	129	41.5	57.4	
22	013.75.3550	3776	3322	174	3686	3014	56	45	M42	84	8	3552	3547	162	12	150	0.5	20	3228	162	37.7	51.7	3500
	014.75.3550																	22	3221	147	41.5	57	
22'	013.50.3550	3776	3322	174	3686	3014	56	45	M42	84	10	3552	3548	162	12	150	0.5	20	3228	162	37.7	51.7	3500
	014.50.3550																	22	3221	147	41.5	57	
23	013.75.4000	4226	3772	174	4136	3864	60	45	M42	84	10	4002	3997	162	12	150	0.5	22	3661	167	41.5	57	4200
	014.75.4000																	25	3660	147	47.1	64.6	
23'	013.50.4000	4226	3772	174	4136	3864	60	45	M42	84	10	4002	3998	162	12	150	0.5	22	3661	167	41.5	57	4200
	014.50.4000																	25	3660	147	47.1	64.6	
24	013.75.4500	4726	4272	174	4636	4364	60	45	M42	84	10	4502	4497	162	12	150	1	22	4167	190	41.5	57	5100
	014.75.4500																	25	4160	167	47.1	64.6	
24'	013.50.4500	4726	4272	174	4636	4364	60	45	M42	84	10	4502	4498	162	12	150	0.5	22	4167	190	41.5	57	5100
	014.50.4500																	25	4160	167	47.1	64.6	

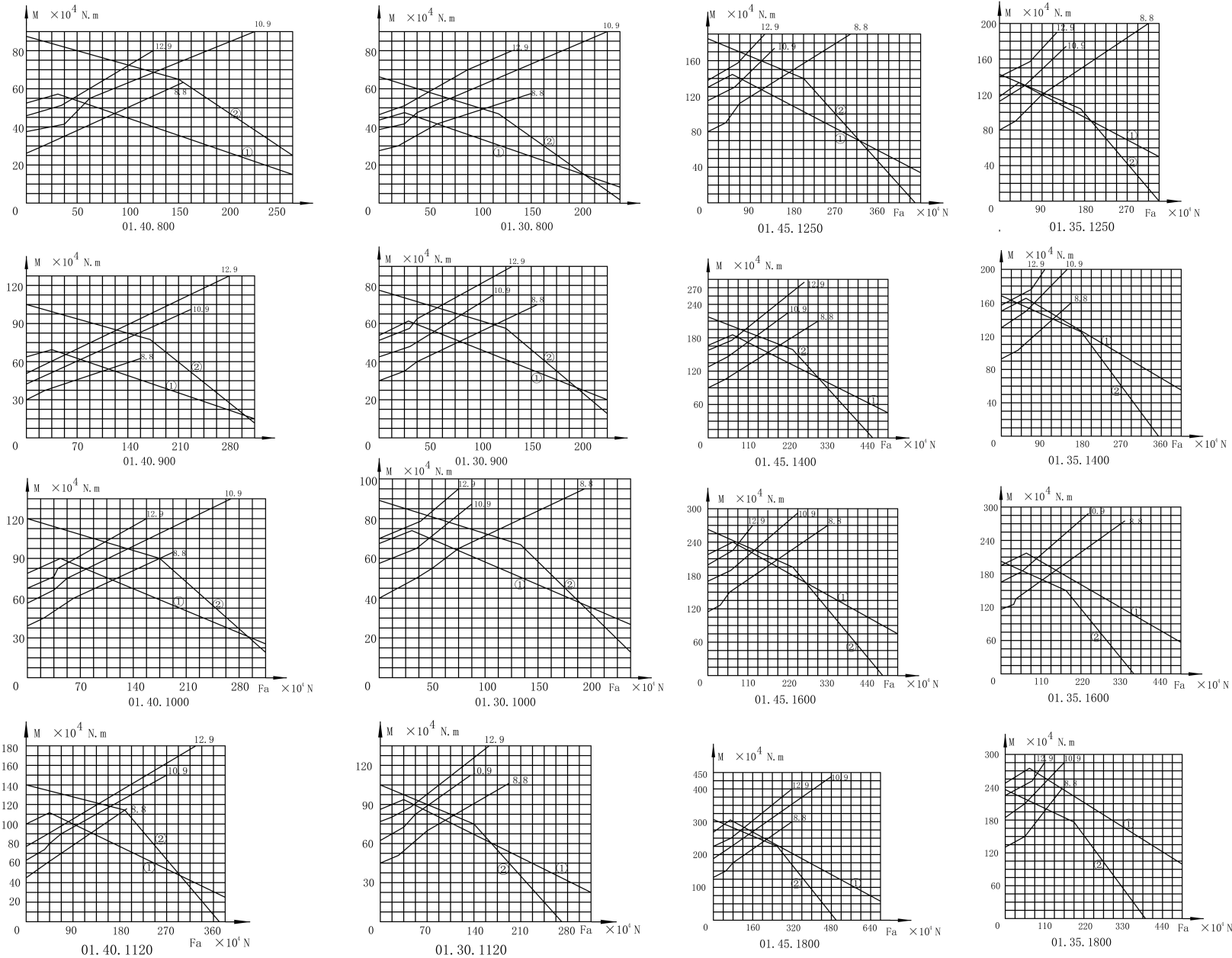


Four Point Contact Ball Slewing Bearing Load Curve



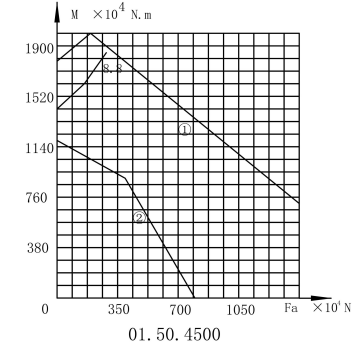
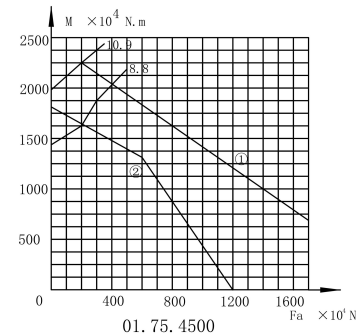
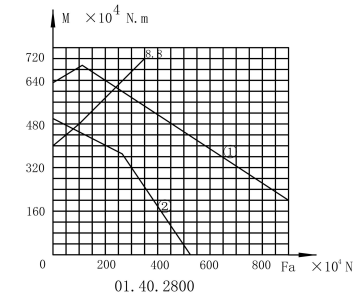
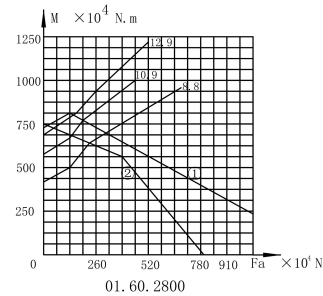
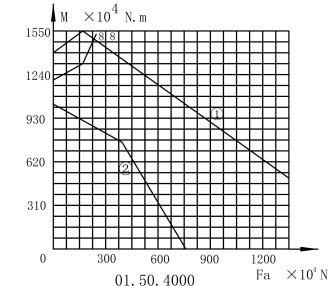
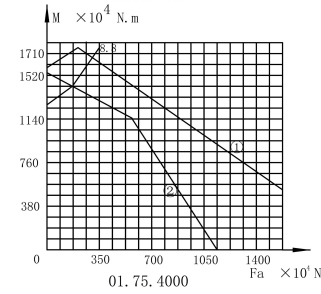
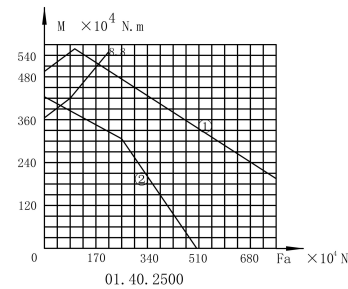
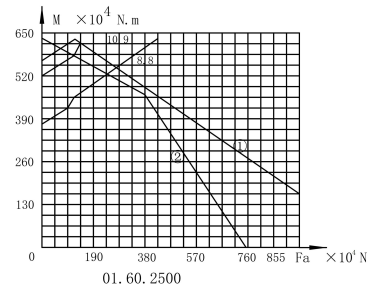
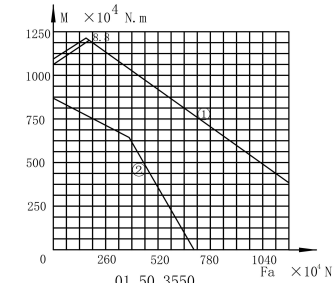
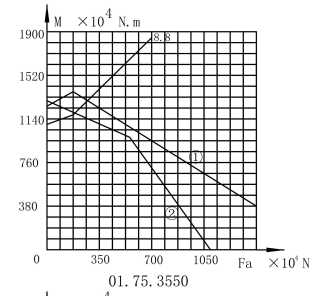
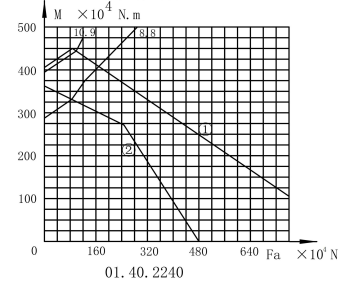
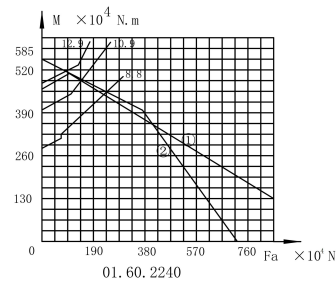
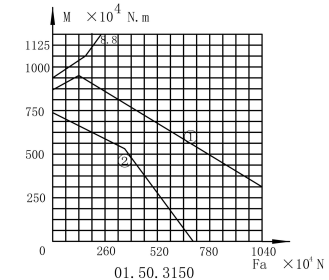
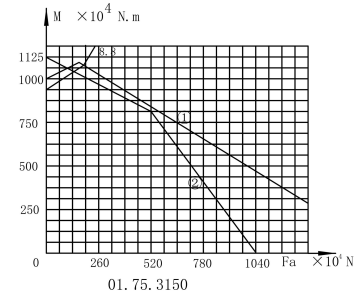
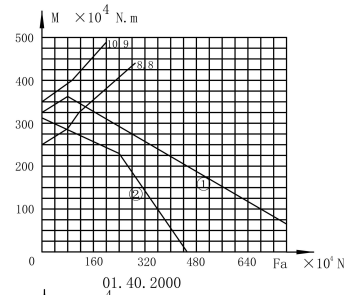
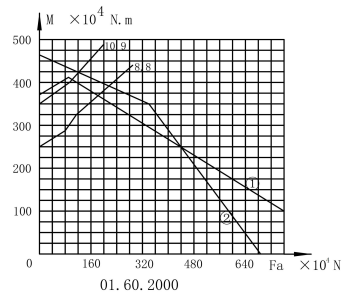


Four Point Contact Ball Slewing Bearing Load Curve

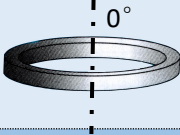




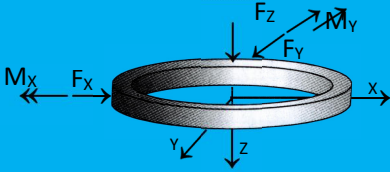
Four Point Contact Ball Slewing Bearing Load Curve



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	°