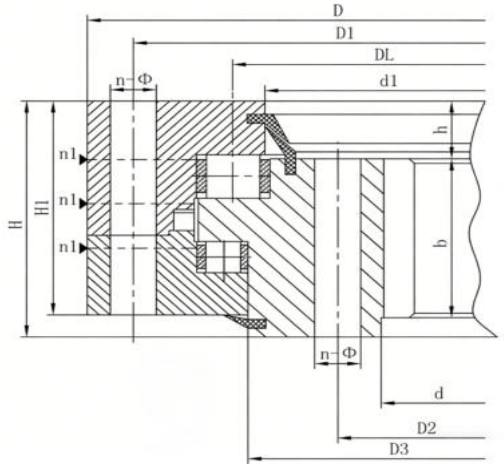
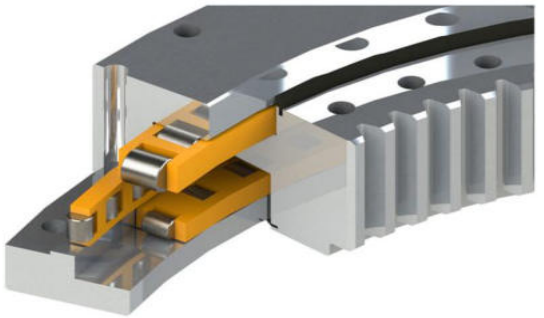
Three Row Roller Slewing Bearing

Internal Gear（131/132 Series）





No.	Internal 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	D3 mm	d1 mm	n 1	H 1 mm	h mm	b mm	x	m mm	D e mm	z	Normalizing Z104 N	Quenching T104N	
1	133.25.500	634	366	148	598	402	24	18	M16	32	474	463	4	10	32	80	0.5	5	337	68	5	6.7	224
	134.25.500																	6	338.4	57	6	8	
2	133.25.560	694	426	148	658	462	24	18	M16	32	534	523	4	10	32	80	0.5	5	397	80	5	6.7	240
	134.25.560																	6	398.4	67	6	8	
3	133.25.630	764	496	148	728	532	28	18	M16	32	604	593	4	10	32	80	0.5	6	458.4	77	6	8	270
	134.25.630																	8	459.2	58	8	11	
4	133.25.710	844	576	148	808	612	28	18	M16	32	684	673	4	10	32	80	0.5	6	536.4	90	6	8	300
	134.25.710																	8	539.2	68	8	11	
5	133.32.800	964	636	182	920	680	36	22	M20	40	770	759	4	10	40	120	0.5	8	595.2	75	12.1	16.7	500
	134.32.800																	10	594	60	15.1	20.9	
6	133.32.900	1064	736	182	1020	780	36	22	M20	40	870	859	4	10	40	120	0.5	8	691.2	87	12.1	16.7	600
	134.32.900																	10	694	70	15.1	20.9	
7	133.32.1000	1164	836	182	1120	880	40	22	M20	40	970	959	5	10	40	120	0.5	10	784	79	15.1	20.9	680
	134.32.1000																	12	784.8	66	18.1	25.1	

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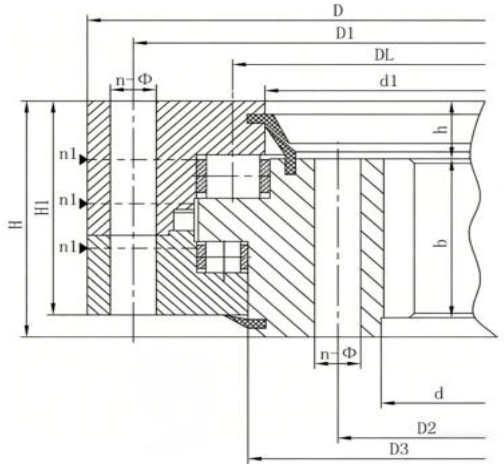
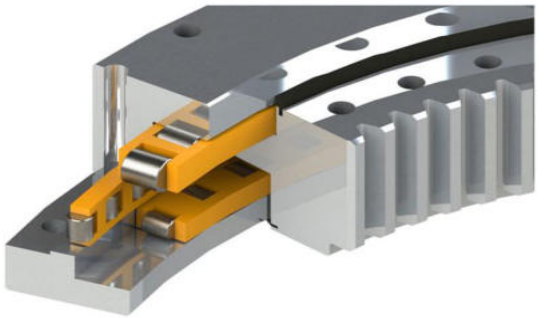
BEARING CO., LTD.

Three Row Roller Slewing Bearing

Internal Gear（131/132 Series）





No.	Internal 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	D3 mm	d1 mm	n 1	H 1 mm	h mm	b mm	x	m mm	D e mm	z	Normalizing Z104 N	Quenching T104N	
8	133.32.1120	1284	956	182	1240	1000	40	22	M20	40	1090	1079	5	10	40	120	0.5	10	904	91	15.1	20.9	820
	134.32.1120																	12	904.8	76	18.1	25.1	
9	133.40.1250	1445	1055	220	1393	1107	45	26	M24	48	1213	1200	5	10	50	150	0.5	12	988.8	83	22.9	31.4	1200
	134.40.1250																	14	985.6	71	26.3	36.6	
10	133.40.1400	1595	1205	220	1543	1257	45	26	M24	48	1363	1350	5	10	50	150	0.5	12	1144.8	96	22.9	31.4	1300
	134.40.1400																	14	1139.6	82	26.3	36.6	
11	133.40.1600	1795	1405	220	1743	1457	48	26	M24	48	1563	1550	6	10	50	150	0.5	14	1335.6	96	26.3	36.6	1520
	134.40.1600																	16	1334.4	84	30.2	41.7	
12	133.40.1800	1995	1605	220	1943	1657	48	26	M24	48	1763	1750	6	10	50	150	0.5	14	1531.6	110	26.3	36.6	1750
	134.40.1800																	16	1526.4	96	30.2	41.7	
13	133.45.2000	2221	1779	231	2155	1845	60	33	M30	60	1967	1945	6	12	54	160	0.5	16	1702.4	107	32.2	44.5	2400
	134.45.2000																	18	1699.2	95	36.2	50.1	
14	133.45.2240	2461	2019	231	2395	2085	60	33	M30	60	2207	2185	6	12	54	160	0.5	16	1926.4	121	32.2	44.5	2700
	134.45.2240																	18	1933.2	108	36.2	50.1	

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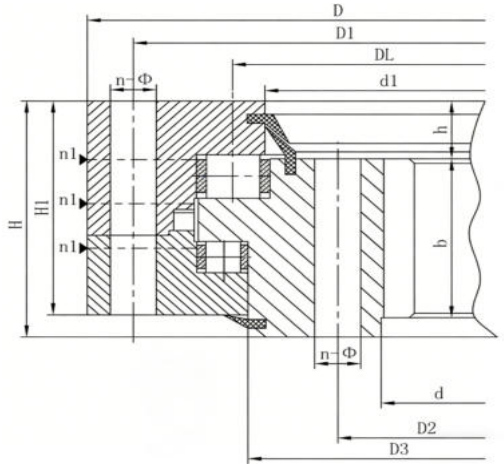
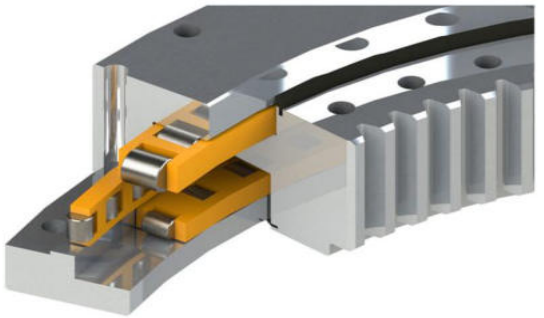
Three Row Roller Slewing Bearing

Internal Gear（131/132 Series）





No.	Internal 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	D3 mm	d1 mm	n 1	H 1 mm	h mm	b mm	x	m mm	D e mm	z	Normalizing Z104 N	Quenching T104N	
15	133.45.2500	2721	2279	231	2655	2345	72	33	M30	60	2467	2445	8	12	54	160	0.5	18	2185.2	122	36.2	50.1	3000
	134.45.2500																	20	2188	110	40.2	55.6	
16	133.45.2800	3021	2579	231	2955	2645	72	33	M30	60	2767	2745	8	12	54	160	0.5	18	2491.2	139	36.2	50.1	3400
	134.45.2800																	20	2488	125	40.2	55.6	
17	133.50.3150	3432	2868	270	3342	2958	72	45	M42	84	3104	3090	8	12	65	180	0.5	20	2768	139	45.2	62.6	5000
	134.50.3150																	22	2758.8	126	49.8	68.9	
18	131.50.3550	3832	3268	270	3742	3358	72	45	M42	84	3504	3490	8	258	65	180	0.5	20	3168	159	45.2	62.6	5680
	132.50.3550																	22	3154.8	144	49.8	68.9	
19	131.50.4000	4282	3718	270	4192	3808	80	45	M42	84	3954	3940	8	258	65	180	0.5	22	3116.8	165	49.8	68.9	6470
	132.50.4000																	25	3610	145	56.5	78.3	
20	131.50.4500	4782	4218	270	4692	4308	80	45	M42	84	4454	4440	8	258	65	180	0.5	22	4122.8	188	49.8	68.9	7320
	132.50.4500																	25	4110	165	56.5	78.3	

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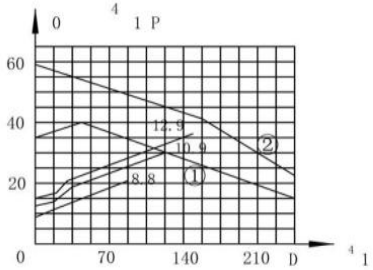
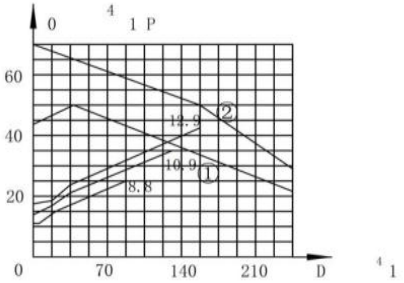
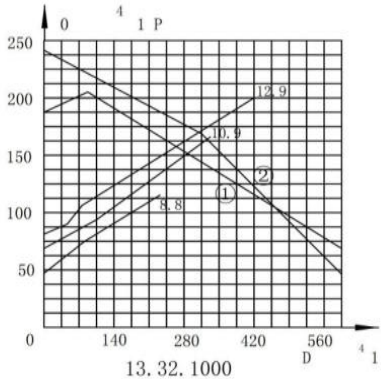
Four Point Contact Ball Slewing Bearing Load Curve



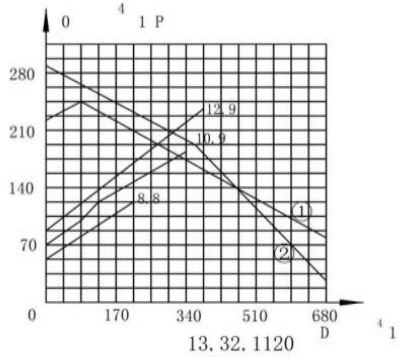
13. 25. 500



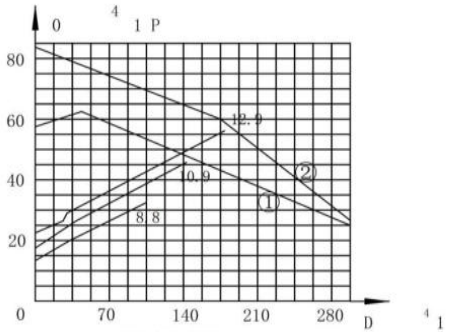
13. 25. 560



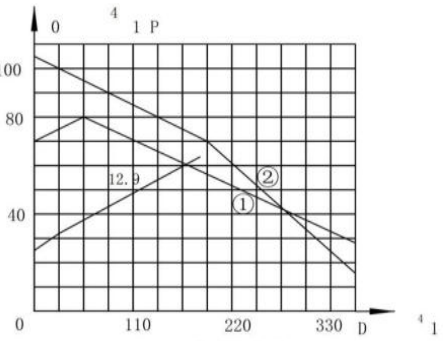
13. 32. 1000



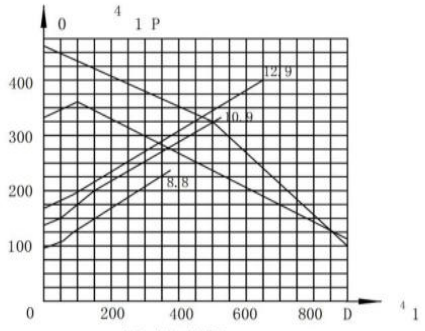
13. 32. 1120



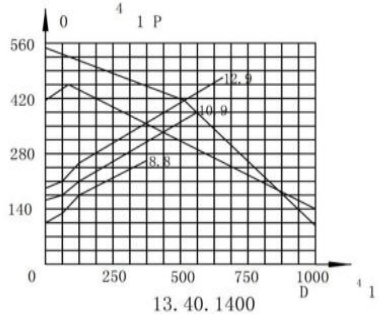
13. 25. 630



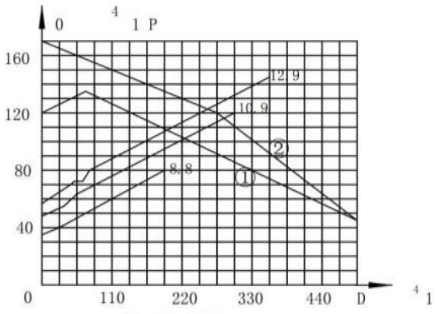
13. 25. 710



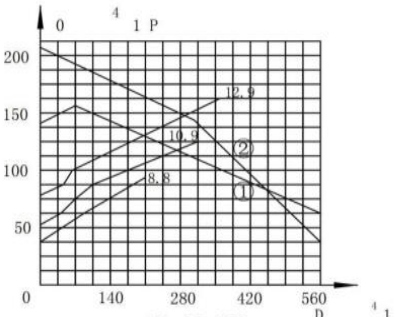
13. 40. 1250



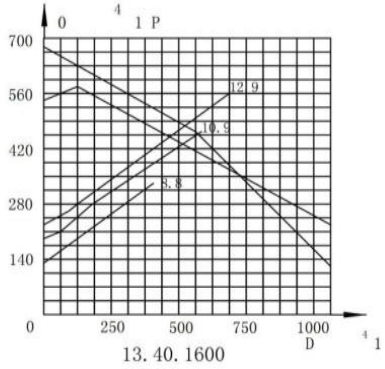
13. 40. 1400



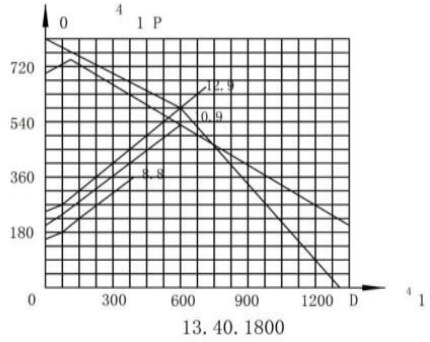
13. 32. 800



13. 32. 900



13. 40. 1600



13. 40. 1800

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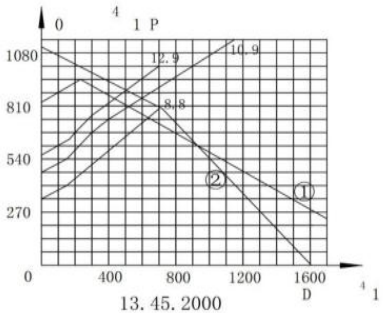
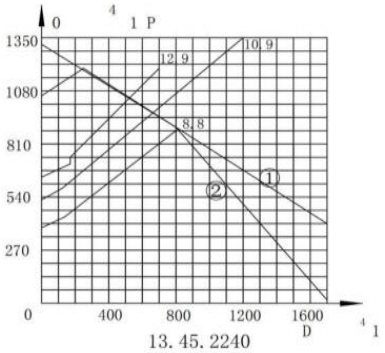
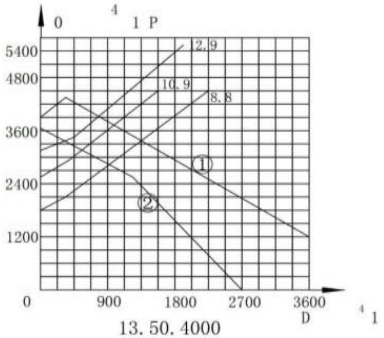
Four Point Contact Ball Slewing Bearing Load Curve



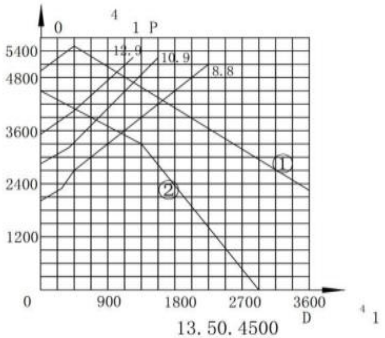
13. 45. 2000



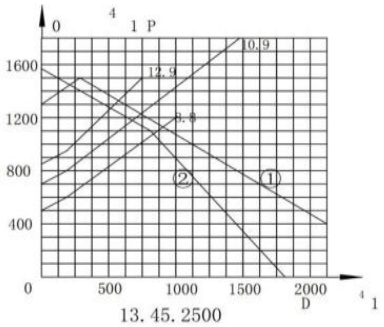
13. 45. 2240



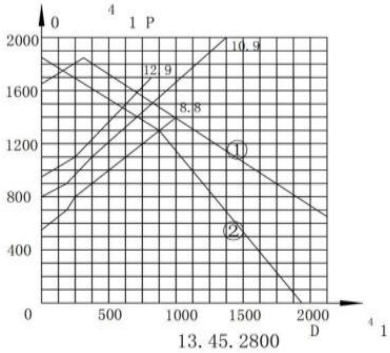
13. 50. 4000



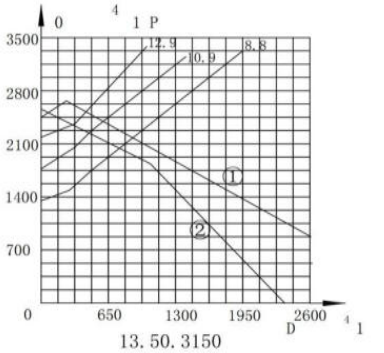
13. 50. 4500



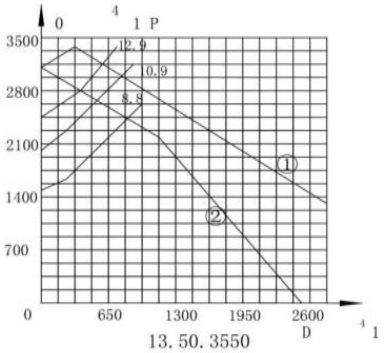
13. 45. 2500



13. 45. 2800



13. 50. 3150



13. 50. 3550

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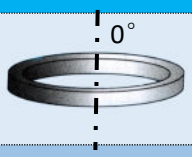
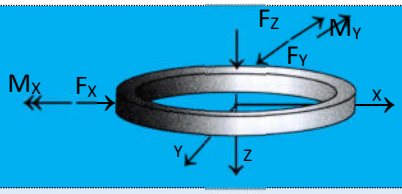
Application Questionnaire

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	°