

Calculation for slewing bearing type selection

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1. Technical parameters for selecting slewing bearing

- 1.1 Loads of the slewing bearing, i.e. axial force F_a parallel to the rotational axle, radial force F_r vertical to the rotational axle, and overturning moment M caused by both the forces;
- 1.2 Time percentage that each kind of load works;
- 1.3 Rotational speed of slewing bearing under each kind of load;
- 1.4 Circumferential force acting on the gear;
- 1.5 Dimension requirement of the slewing bearing
- 1.6 Other operation conditions.

Users can choose appropriate slewing bearing according to the method and step for choosing model based on the load curve graph (see the following chapters for details) provided by our company. Then confirm with the technology department of our company together. You can also provide detailed information to our company, let us select slewing bearing type for you. You must fill in Appendix A "User information table for choosing model of slewing bearing" in detail when you ask our company to choose model for you, please ask the personnel of marketing department of our company for this table.

1 Calculation for slewing bearing type selection



Appendix A

User information table for model selection (provided by XuZhou FengHe Slewing Bearing Co.,Ltd .)

Application situation (host name and model)	Shaft direction	Installation method:	
	Horizontal <input type="checkbox"/> Vertical <input type="checkbox"/>	Seat type <input type="checkbox"/> Suspended type <input type="checkbox"/>	
Tooth form External tooth <input type="checkbox"/> internal tooth <input type="checkbox"/> Toothless <input type="checkbox"/> unlimited <input type="checkbox"/>	Use: Only for positioning <input type="checkbox"/> Intermittent rotation <input type="checkbox"/> continuous rotation <input type="checkbox"/>	Rotational speed(rpm) Normal: Max:	Rated service life (hour):
Load situation Loads property	A	B	C
	Max working load	Max test load Example: test with 25%	Catastrophic load (Off state)
Axial load parallel to the rotating axle			
Radial load vertical to the rotating axle (Meshing force is not included)			
Moment cased by axial load			
Moment cased by radial load			
Total moment			

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Calculation for slewing bearing type selection



Driving torsion received by the slewing bearing(KNm):		Normal: Max:	Quantity of the driving pinions:
Gear parameters (not fill for toothless model): Modulus; Tooth number; Pressure angle; Addendum coefficient:			
Requirement of model and size of the slewing bearing			
Model of slewing bearing (if it can be written out):			
Series of the slewing bearing (if it can be confirmed): Four point angle contact single-row ball type 01 ※ <input type="checkbox"/> Single-row cross roller type 11 ※ <input type="checkbox"/>			
Double-row different diameter ball type 02 ※ <input type="checkbox"/> Three-row roller type 13 ※ <input type="checkbox"/> No limitation <input type="checkbox"/>			
Outline dimension requirement: outer diameter: mm or unlimited <input type="checkbox"/> ; Internal diameter: mm or unlimited <input type="checkbox"/> ; Overall height: mm or unlimited <input type="checkbox"/>			
Special Instructions:			
Driving way: Driven by motor <input type="checkbox"/> ; Driven by manpower <input type="checkbox"/>			
Temperature required for use: Normal (± 40℃) <input type="checkbox"/> ; Under high temperature (higher than 40℃) <input type="checkbox"/> ; At low temperature (lower than 40℃) <input type="checkbox"/>			
Precision required:	Requirement for spigot meshing:	No <input type="checkbox"/> ; Yes <input type="checkbox"/> Specific requirement;	

Quenched tooth surface or not? Yes No

Other special requirements: (e.g. inspection or authentication requirement, material requirement etc.)

User' s signature:

Date:

Dear customers: In order to give you better service and provide you with economical and slewing bearings fast and accurately, please fill in the information table carefully, and contact the Technology department of our company in time if you have any question.

Tel: +86 0516-89239933 Fax: +86 0516-89232222

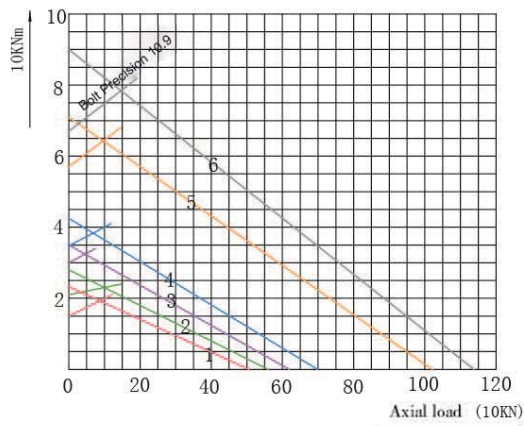
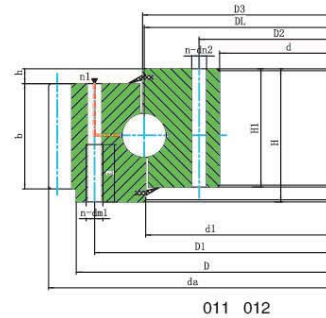
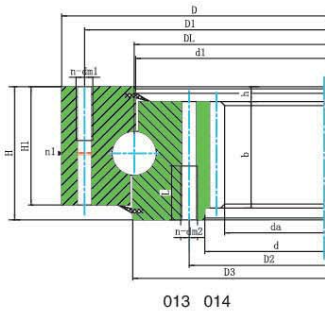
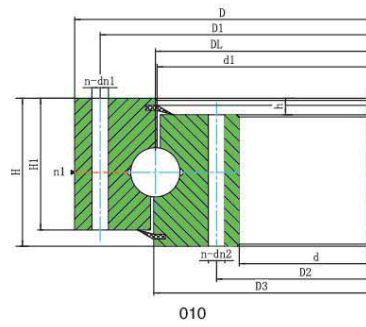
Email: fhgs@xzfenghe.com

2. Load capacity curve of the slewing bearing

In the product samples of our company, a load curve graph corresponding to each model of slewing bearing has been provided, which can help you choose slewing bearing preliminarily. There are two kinds of curves in the graph, one is the max load that the slewing bearing can bear while keeping static. The other kind is the load curve of three kinds of high strength bolts (8.8, 10.9, and 12.9) of the slewing bearing. It is determined when the clamping length is 5 times of the bolt nominal diameter and the pre-tightening force is 70% of yield strength limit of bolt material.

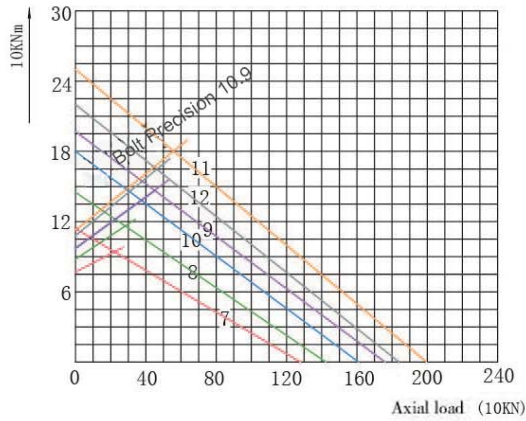
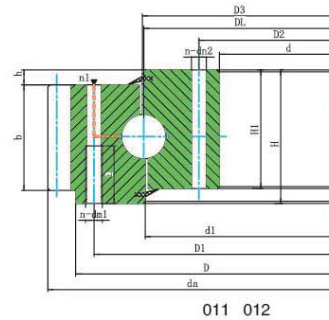
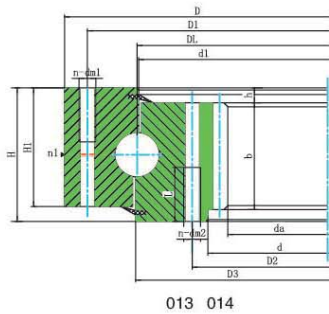
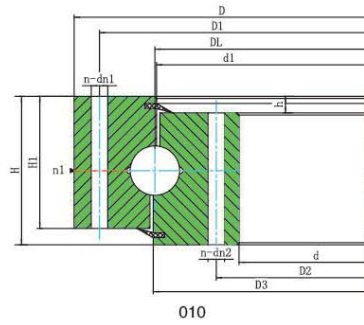
Single-row four point contact ball type slewing bearing

Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{n2} (mm)	L (mm)	n	n ₁	D ₃ (mm)	d ₁ (mm)	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
01.20.200	1	280	120	60	248	152	16	M14	28	12	2	201	199	50	10	40	3	300	98	-	-
01.20.224	2	304	144	60	272	176	16	M14	28	12	2	225	223	50	10	40	3	321	105	-	-
01.20.250	3	330	170	60	298	202	16	M14	28	18	2	251	249	50	10	40	4	352	86	-	-
01.20.280	4	360	200	60	328	232	16	M14	28	18	2	281	279	50	10	40	4	384	94	-	-
01.25.315	5	408	222	70	372	258	18	M16	32	20	2	316	314	60	10	50	5	435	85	190	40
01.25.355	6	448	262	70	412	298	18	M16	32	20	2	356	354	60	10	50	5	475	93	235	49



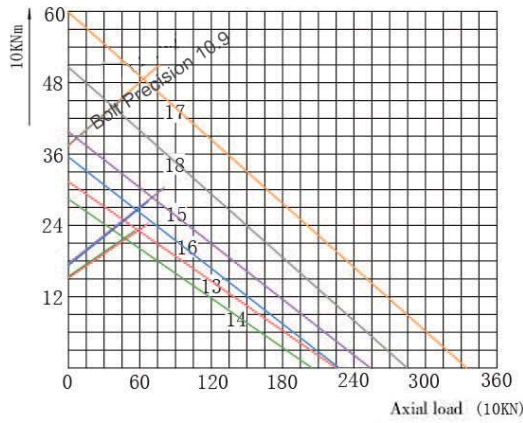
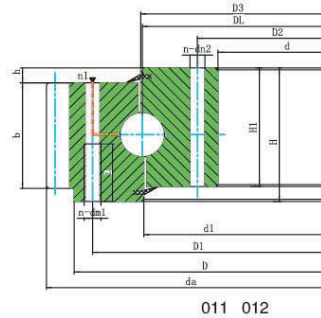
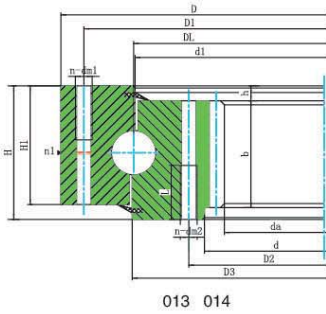
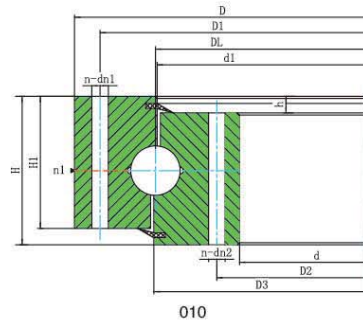
Single-row four point contact ball type slewing bearing

Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{m1} (mm)	L (mm)	n	n ₁	D ₃ (mm)	d ₁ (mm)	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
01.25.400	7	493	307	70	457	343	18	M16	32	20	2	401	399	60	10	50	6	528	86	276	48
01.25.450	8	543	357	70	507	393	18	M16	32	20	2	451	449	60	10	50	6	576	94	324	56
01.30.500	9	602	398	80	566	434	18	M16	32	20	4	501	498	70	10	60	5/6	629/628.8	123/102	367/368.4	74/62
01.25.500	10	602	398	80	566	434	18	M16	32	20	4	501	499	70	10	60	5/6	629/628.8	123/102	367/368.4	74/62
01.30.560	11	662	458	80	626	494	18	M16	32	20	4	561	558	70	10	60	5/6	689/688.8	135/112	427/428.4	86/72
01.25.560	12	662	458	80	626	494	18	M16	32	20	4	561	559	70	10	60	5/6	689/688.8	135/112	427/428.4	86/72



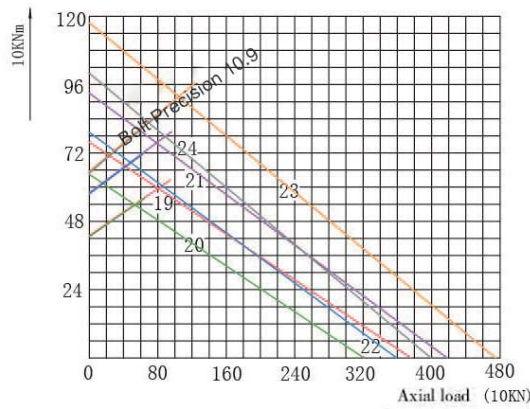
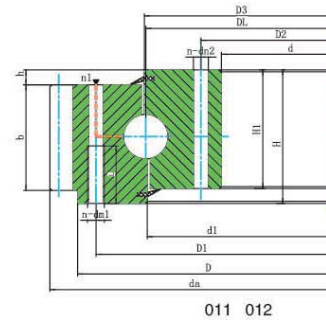
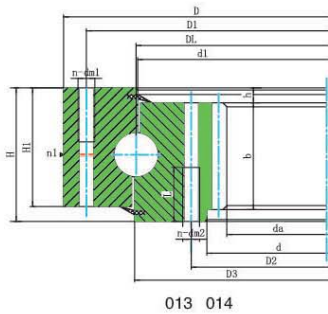
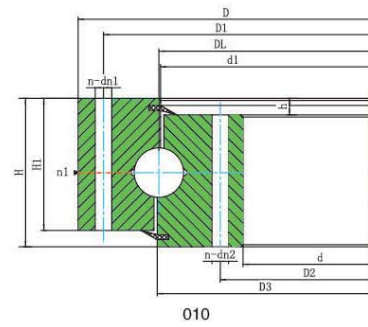
Single-row four point contact ball type slewing bearing

Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{a1} (mm)	L (mm)	n	n ₁	D ₃ (mm)	d ₁ (mm)	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
01.30.630	13	732	528	80	696	564	18	M16	32	24	4	631	628	70	10	60	6/8	772.8 774.4	126 94	494.4 491.2	83 62
01.25.630	14	732	528	80	696	564	18	M16	32	24	4	631	629	70	10	60	6/8	772.8 774.4	126 94	494.4 491.2	83 62
01.30.710	15	812	608	80	776	644	18	M16	32	24	4	711	708	70	10	60	6/8	850.8 854.4	139 104	572.4 571.2	96 72
01.25.710	16	812	608	80	776	644	18	M16	32	24	4	711	709	70	10	60	6/8	850.8 854.4	139 104	572.4 571.2	96 72
01.40.800	17	922	678	100	878	722	22	M20	40	30	6	801	798	90	10	80	8/10	966.4 968	118 94	635.2 634	80 64
01.30.800	18	922	678	100	878	722	22	M20	40	30	6	801	798	90	10	80	8/10	966.4 968	118 94	635.2 634	80 64



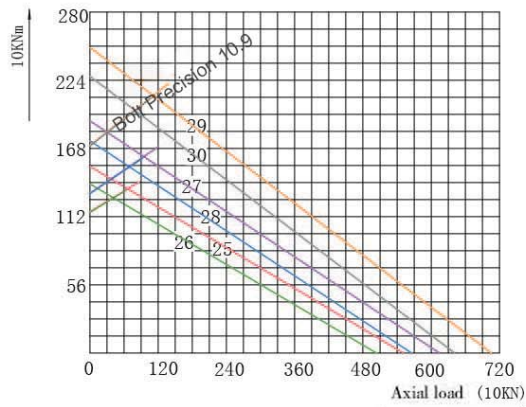
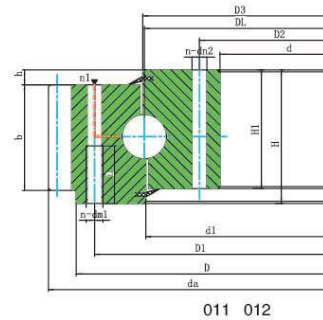
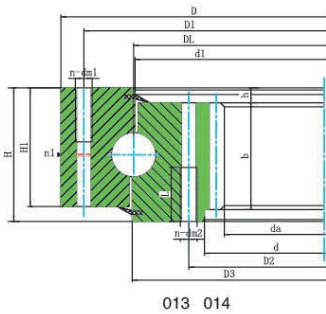
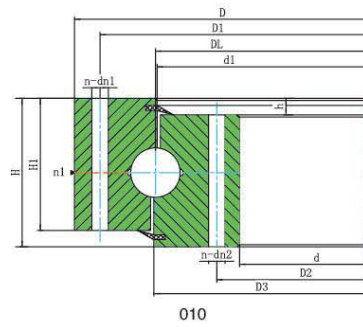
Single-row four point contact ball type slewing bearing

Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{n2} (mm)	d _{m1} (mm)	d _{m2} (mm)	L (mm)	n	n ₁	D ₃ (mm)	d ₁ (mm)	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z	
01.40.900	19	1022	778	100	978	822	22	M20	40	30	6	901	898	90	10	80	8	10	1062.4	130	739.2	93	734	74
01.30.900	20	1022	778	100	978	822	22	M20	40	30	6	901	898	90	10	80	8	10	1062.4	130	739.2	93	734	74
01.40.1000	21	1122	878	100	1078	922	22	M20	40	36	6	1001	998	90	10	80	10	12	1188	116	824	83	820.8	69
01.30.1000	22	1122	878	100	1078	922	22	M20	40	36	6	1001	998	90	10	80	10	12	1188	116	824	83	820.8	69
01.40.1120	23	1242	998	100	1198	1042	22	M20	40	36	6	1121	1118	90	10	80	10	12	1298	127	944	95	940.8	79
01.30.1120	24	1242	998	100	1198	1042	22	M20	40	36	6	1121	1118	90	10	80	10	12	1298	127	944	95	940.8	79



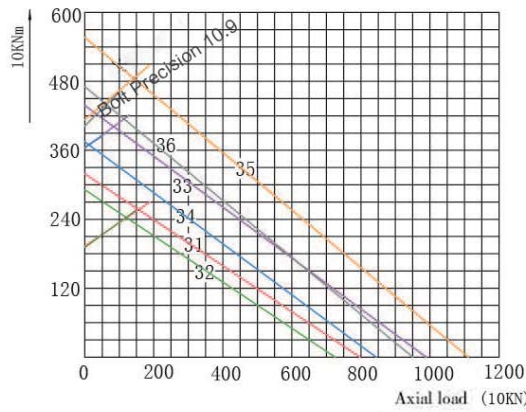
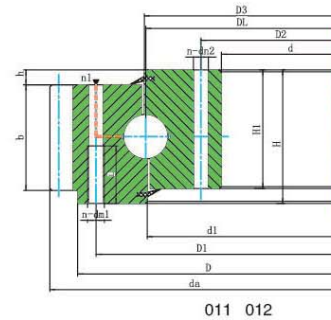
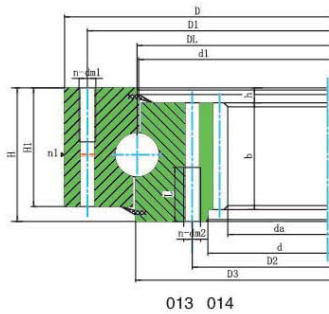
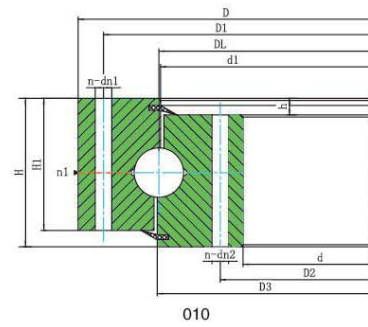
Single-row four point contact ball type slewing bearing

Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{a1} (mm)	L (mm)	n	n ₁	D ₃ (mm)	d ₁ (mm)	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
01.45.1250	25	1390	1110	110	1337	1163	26	M24	48	40	5	1252	1248	100	10	90	12	1449.6	118	1048.8	88
																		1453.2	101	1041.6	75
01.35.1250	26	1390	1110	110	1337	1163	26	M24	48	40	5	1251	1248	100	10	90	12	1449.6	118	1048.8	88
																		1453.2	101	1041.6	75
01.45.1400	27	1540	1260	110	1487	1313	26	M24	48	40	5	1402	1398	100	10	90	12	1605.6	131	1192.8	100
																		1607.2	112	1195.6	86
01.35.1400	28	1540	1260	110	1487	1313	26	M24	48	40	5	1401	1398	100	10	90	12	1605.6	131	1192.8	100
																		1607.2	112	1195.6	86
01.45.1600	29	1740	1460	110	1687	1513	26	M24	48	45	5	1602	1598	100	10	90	14	1817.2	127	1391.6	100
																		1820.8	111	1382.4	87
01.35.1600	30	1740	1460	110	1687	1513	26	M24	48	45	5	1601	1598	100	10	90	14	1817.2	127	1391.6	100
																		1820.8	111	1382.4	87



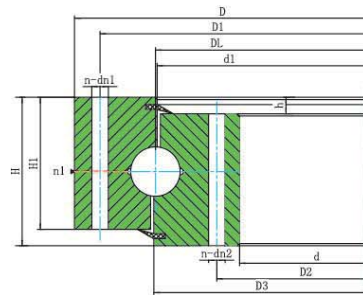
Single-row four point contact ball type slewing bearing

Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{n2} (mm)	d _{m1} (mm)	d _{m2} (mm)	L (mm)	n	n ₁	D ₃ (mm)	d ₁ (mm)	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
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01.35.1800	32	1940	1660	110	1887	1713	26	M24	48	45	5	1801	1798	100	10	90	14	16	2013.2	141	1573.6	113	99
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01.60.2240	35	2418	2065	144	2350	2131	33	M30	60	48	8	2242	2238	132	12	120	16	18	2492.8	153	1990.4	125	111
01.40.2240	36	2418	2065	144	2350	2131	33	M30	60	48	8	2241	2238	132	12	120	16	18	2492.8	153	1990.4	125	111

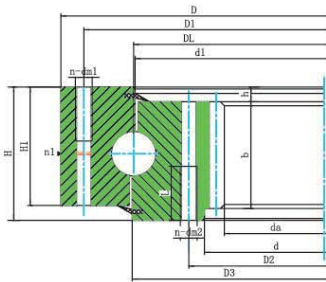


Single-row four point contact ball type slewing bearing

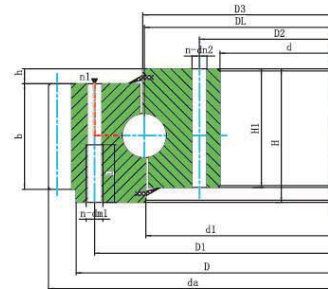
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01.60.2500	37	2678	2325	144	2610	2391	33	M30	60	56	8	2502	2498	132	12	120	18 20	2768.4 2776	151 136	2339.2 2228	125 112
01.40.2500	38	2678	2325	144	2610	2391	33	M30	60	56	8	2501	2498	132	12	120	18 20	2768.4 2776	151 136	2339.2 2228	125 112
01.60.2800	39	2978	2625	144	2910	2691	33	M30	60	56	8	2802	2798	132	12	120	18 20	3074.4 3076	168 151	2527.2 2528	141 127
01.40.2800	40	2978	2625	144	2910	2691	33	M30	60	56	8	2801	2798	132	12	120	18 20	3074.4 3076	168 151	2527.2 2528	141 127
01.75.3150	41	3376	2922	174	3286	3014	45	M42	84	56	8	3152	3147	162	12	150	20 22	3476 3471.6	171 155	2828 2824.8	142 129
01.50.3150	42	3376	2922	174	3286	3014	45	M42	84	56	8	3152	3148	162	12	150	20 22	3476 3471.6	171 155	2828 2824.8	142 129



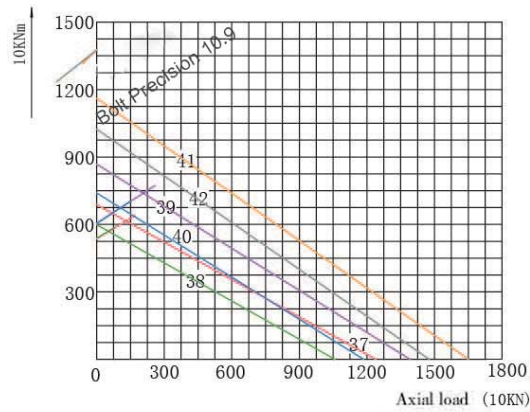
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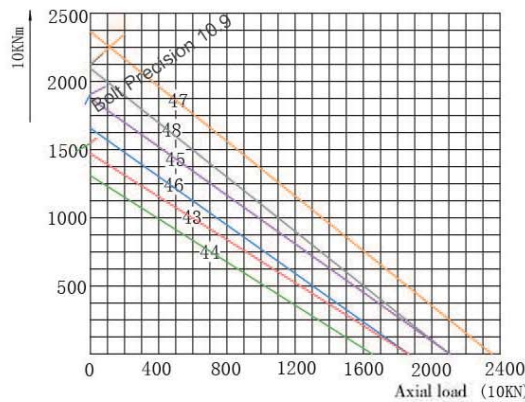
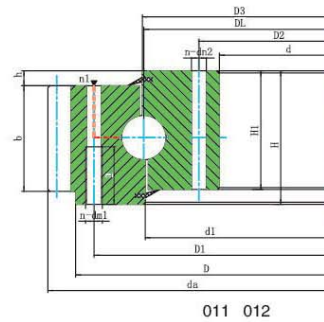
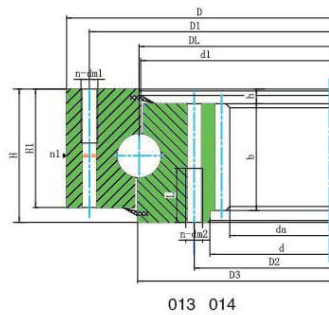
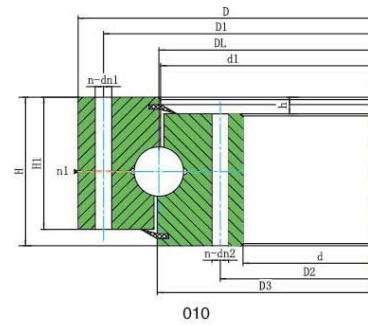


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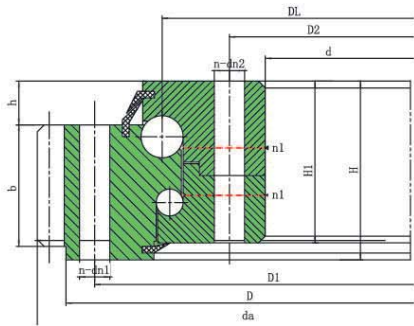
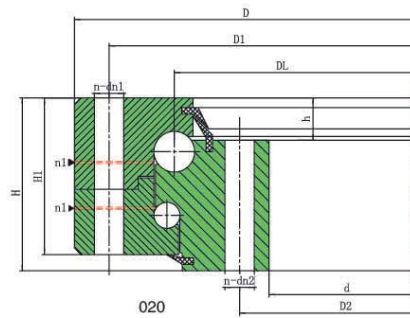
Single-row four point contact ball type slewing bearing

Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{n2} (mm)	d _{m1} (mm)	d _{m2} (mm)	L (mm)	n	n ₁	D ₃ (mm)	d ₁ (mm)	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
01.75.3550	43	3776	3322	174	3686	3414	45	M42	84	56	8	3552	3547	162	12	150	20	3876	191	3228	162	3220.8	147
01.50.3550	44	3776	3322	174	3686	3414	45	M42	84	56	8	3552	3548	162	12	150	20	3876	191	3228	162	3220.8	147
01.75.4000	45	4226	3772	174	4136	3864	45	M42	84	60	10	4002	3997	162	12	150	22	4329.6	194	3660.8	167	3660	147
01.50.4000	46	4226	3772	174	4136	3864	45	M42	84	60	10	4002	3998	162	12	150	22	4329.6	194	3660.8	167	3660	147
01.75.4500	47	4726	4272	174	4636	4364	45	M42	84	60	10	4502	4497	162	12	150	22	4835.6	217	4166.8	190	4160	167
01.50.4500	48	4726	4272	174	4636	4364	45	M42	84	60	10	4502	4498	162	12	150	22	4835.6	217	4166.8	190	4160	167

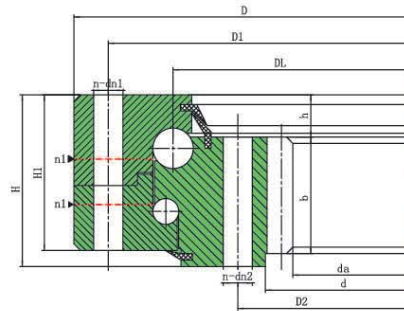


Double-row ball slewing bearing

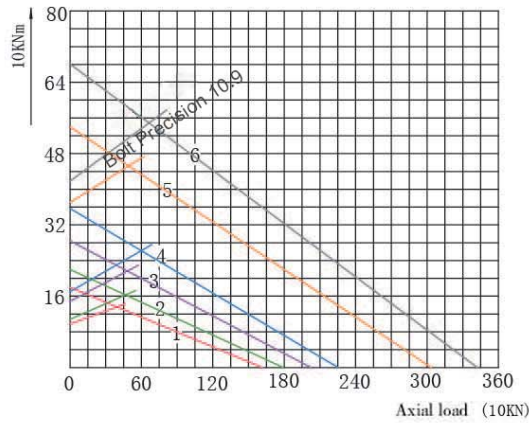
Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} d _{n2} (mm)	d _{m1} d _{m2} (mm)	L (mm)	n	n ₁	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
02.25.500	1	616	384	106	580	420	18	M16	32	20	4	96	26	60	5 6	644 646.8	126 105	357 350.4	72 59
02.25.560	2	676	444	106	640	480	18	M16	32	20	4	96	26	60	5 6	704 706.8	138 115	417 410.4	84 69
02.25.630	3	746	514	106	710	550	18	M16	32	24	4	96	26	60	6 8	790.8 790.4	129 96	482.4 475.2	81 60
02.25.710	4	826	594	106	790	630	18	M16	32	24	4	96	26	60	6 8	862.8 862.4	141 105	560.4 555.2	94 70
02.30.800	5	942	658	124	898	702	22	M20	40	30	6	114	29	80	8 10	982.4 988	120 96	619.2 614	78 62
02.30.900	6	1042	758	124	998	802	22	M20	40	30	6	114	29	80	8 10	1086.4 1088	133 106	715.2 714	90 72



021 022

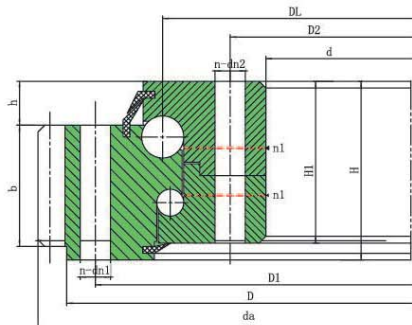
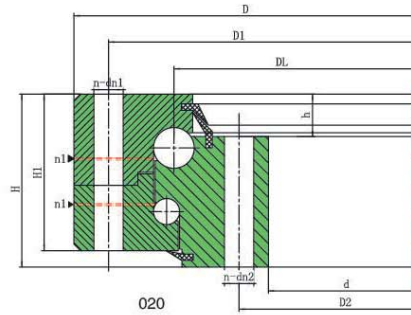


023 024

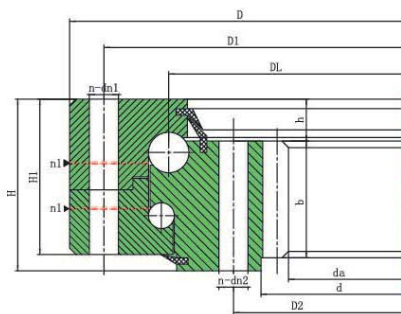


Double-row ball slewing bearing

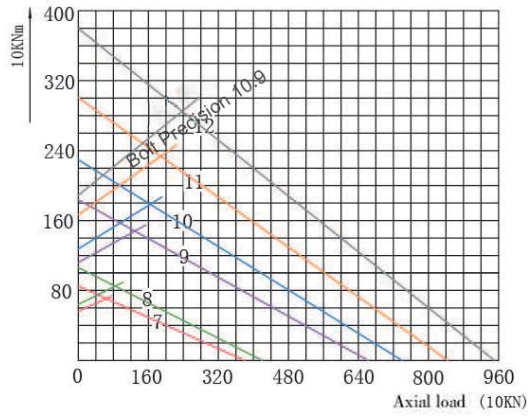
Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{n2} (mm)	d _{a1} (mm)	d _{a2} (mm)	L (mm)	n	n ₁	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z			
02.30.1000	7	1142	858	124	1098	902	22	M20	40	36	6	114	29	80	10	12	1198	1197.6	117	97	814	796.8	82	67
02.30.1120	8	1262	978	124	1218	1022	22	M20	40	36	6	114	29	80	10	12	1318	1317.6	129	107	924	916.8	93	77
02.40.1250	9	1426	1074	160	1374	1126	26	M24	48	40	5	150	39	90	12	14	1497.6	1495.2	122	104	1012.8	1013.6	85	73
02.40.1400	10	1576	1224	160	1524	1272	26	M24	48	40	5	150	39	90	12	14	1641.6	1649.2	134	115	1156.8	1153.6	97	83
02.40.1600	11	1776	1424	160	1724	1476	26	M24	48	45	5	150	39	90	14	16	1845.2	1852.8	129	113	1349.6	1350.4	97	85
02.40.1800	12	1976	1624	160	1924	1676	26	M24	48	45	5	150	39	90	14	16	2055.2	2060.8	144	126	1545.6	1542.4	111	97



021 022

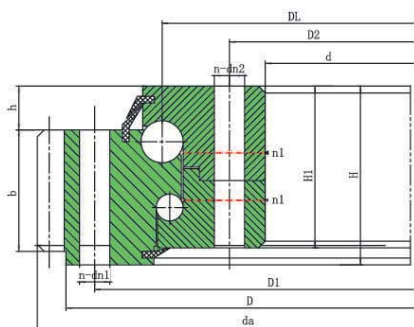
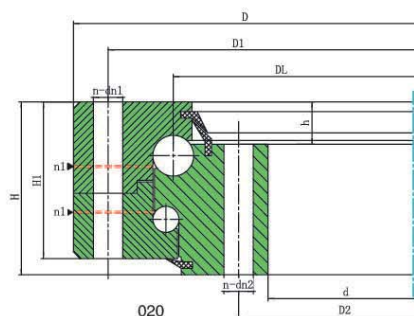


023 024

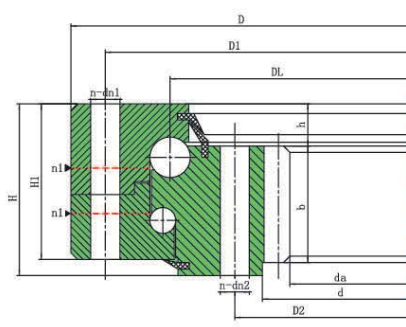


Double-row ball slewing bearing

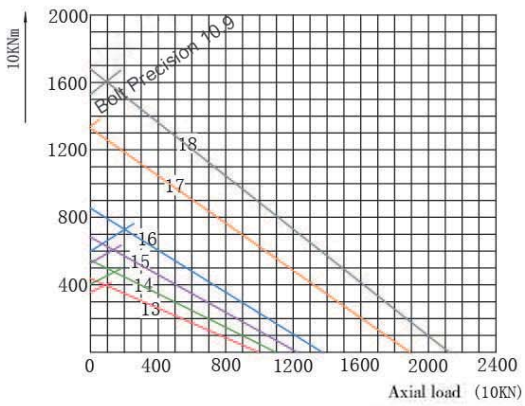
Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{n2} (mm)	d _{m1} (mm)	d _{m2} (mm)	L (mm)	n	n ₁	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z			
02.50.2000	13	2215	1785	190	2149	1851	33	M30	60	48	8	178	47	120	16	18	2300.8	141	1702.4	107	2300.4	125	1699.2	95
02.50.2240	14	2455	2025	190	2389	2091	33	M30	60	48	8	178	47	120	16	18	2540.8	156	1942.4	122	2552.4	139	1933.2	108
02.50.2500	15	2715	2285	190	2649	2351	33	M30	60	56	8	178	47	120	18	20	2804.4	153	2203.2	123	2816	138	2188	110
02.50.2800	16	3015	2585	190	2949	2651	33	M30	60	56	8	178	47	120	18	20	3110.4	170	2491.2	139	3116	153	2488	125
02.60.3150	17	3428	2872	226	3338	2962	45	M42	84	56	8	214	56	150	20	22	3536	174	2768	139	3537.6	158	2758.8	126
02.60.3550	18	3828	3272	226	3738	3362	45	M42	84	56	8	214	56	150	20	22	3936	194	3168	159	3933.6	176	3176.8	145



021 022

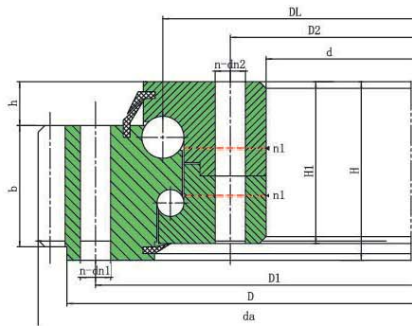
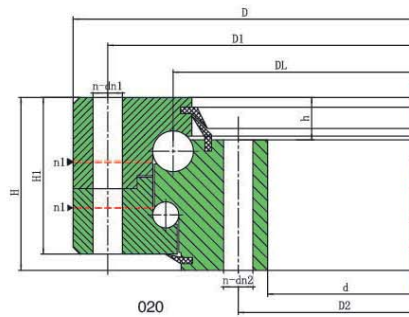


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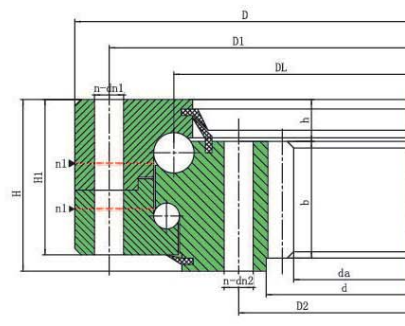


Double-row ball slewing bearing

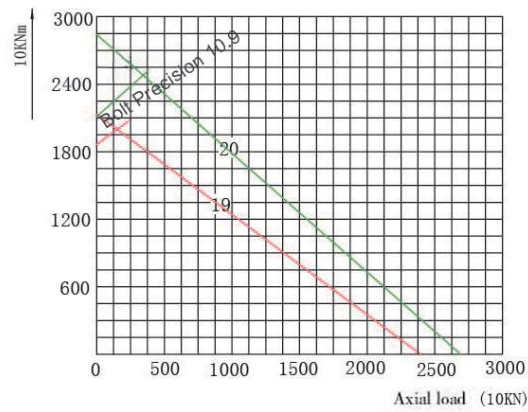
Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} d _{n2} (mm)	d _{a1} d _{a2} (mm)	L (mm)	n	n ₁	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
02. 60. 4000	19	4278	3722	226	4188	3812	45	M42	84	60	10	214	56	150	22 25	4395.6 4395	197 173	3618.8 3610	165 145
02. 60. 4500	20	4778	4222	226	4688	4312	45	M42	84	60	10	214	56	150	22 25	4879.6 4895	219 193	4122.8 4110	188 165



021 022

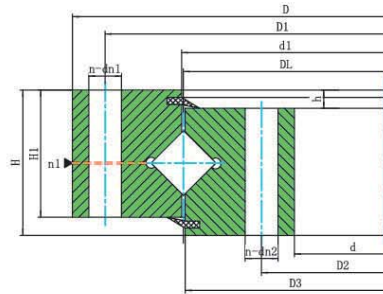


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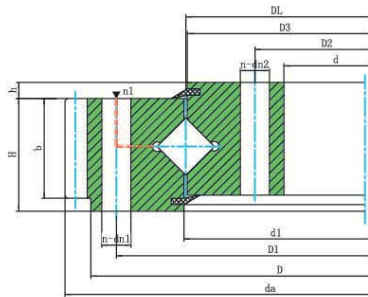


Singel- row cross roller slewing bearing

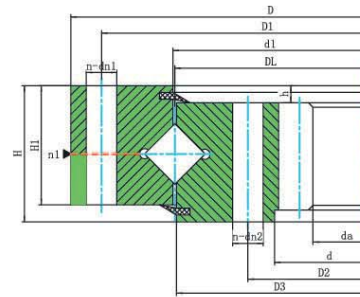
Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{a1} (mm)	L (mm)	n	n ₁	D ₃ (mm)	d ₁ (mm)	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
11.25.500	1	602	398	75	566	434	18	M16	32	20	4	498	502	65	10	60	5 6	629 628.8	123 102	367 368.4	74 62
11.25.560	2	662	458	75	626	494	18	M16	32	20	4	558	562	65	10	60	5 6	689 688.8	135 112	427 428.4	86 72
11.25.630	3	732	528	75	696	564	18	M16	32	24	4	628	632	65	10	60	6 8	772.8 774.4	126 94	494.4 491.2	83 62
11.25.710	4	812	608	75	776	644	18	M16	32	24	4	708	712	65	10	60	6 8	850.8 854.4	139 104	572.4 571.2	96 72
11.28.800	5	922	678	82	878	722	22	M20	40	30	6	798	802	72	10	65	8 10	966.4 968	118 94	635.2 634	80 64
11.28.900	6	1022	778	82	978	822	22	M20	40	30	6	898	902	72	10	65	8 10	1062.4 1068	130 104	739.2 734	93 74



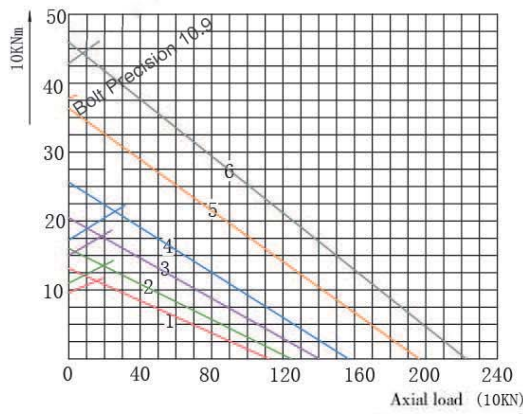
110



111 112

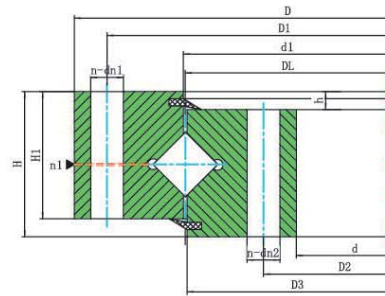


113 114

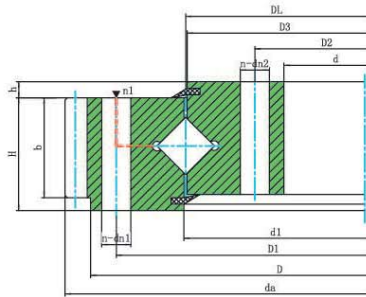


Singel-row cross roller slewing bearing

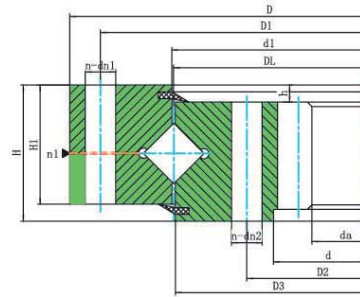
Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{m1} (mm)	L (mm)	n	n ₁	D ₃ (mm)	d ₁ (mm)	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
11. 28. 1000	7	1122	878	82	1078	922	22	M20	40	36	6	998	1002	72	10	65	10	1188	116	824	83
11. 28. 1120	8	1242	998	82	1198	1042	22	M20	40	36	6	1118	1122	72	10	65	10	1298	127	944	95
11. 32. 1250	9	1390	1110	91	1337	1163	26	M24	48	40	5	1248	1252	81	10	75	12	1449.6	118	1048.8	88
11. 32. 1400	10	1540	1260	91	1487	1313	26	M24	48	40	5	1398	1402	81	10	75	14	1605.6	131	1192.8	100
11. 32. 1600	11	1740	1460	91	1687	1513	26	M24	48	45	5	1598	1602	81	10	75	14	1817.2	127	1391.6	100
11. 32. 1800	12	1940	1660	91	1887	1713	26	M24	48	45	5	1798	1802	81	10	75	14	2013.2	141	1573.6	113
																			123	1574.4	99



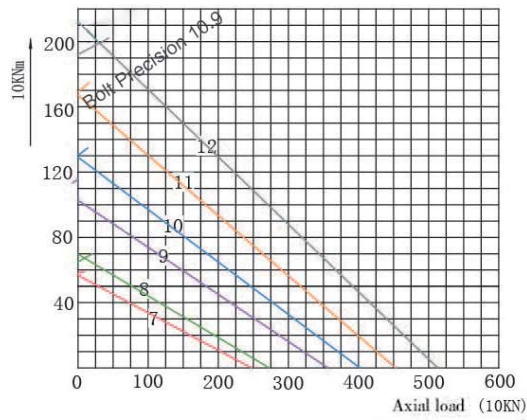
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111 112

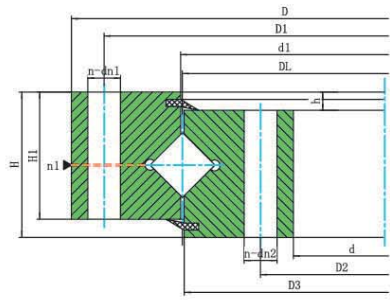


113 114

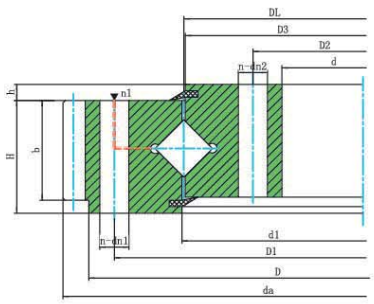


Singel- row cross roller slewing bearing

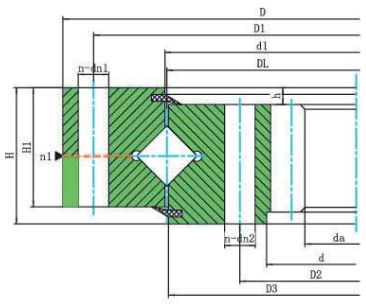
Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{m1} (mm)	L (mm)	n	n ₁	D ₃ (mm)	d ₁ (mm)	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
11.40.2000	13	2178	1825	112	2110	1891	33	M30	60	48	8	1997	2003	100	12	90	16 18	2268.8 2264.4	139 123	1734.4 1735.2	109 97
11.40.2240	14	2418	2065	112	2350	2131	33	M30	60	48	8	2237	2243	100	12	90	16 18	2492.8 2498.4	153 136	1990.4 1987.2	125 111
11.40.2500	15	2678	2325	112	2610	2391	33	M30	60	56	8	2497	2503	100	12	90	18 20	2768.4 2776	151 136	2239.2 2228	125 112
11.40.2800	16	2978	2625	112	2910	2691	33	M30	60	56	8	2797	2803	100	12	90	18 20	3074.4 3076	168 151	2527.2 2528	141 127
11.50.3150	17	3376	2922	134	3286	3014	45	M42	84	56	8	3147	3153	122	12	110	20 22	3476 3471.6	171 155	2828 2824.8	142 129
11.50.3550	18	3776	3322	134	3686	3414	45	M42	84	56	8	3547	3553	122	12	110	20 22	3876 3889.6	191 174	3228 3220.8	162 147



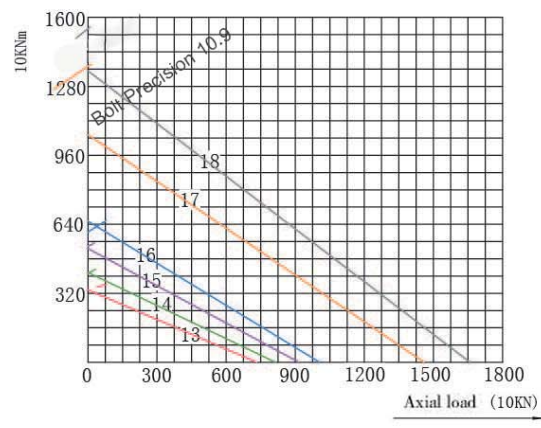
110



111 112

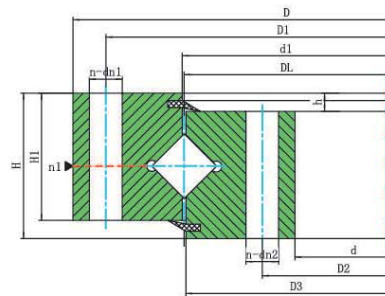


113 114

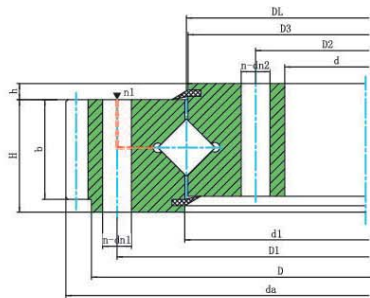


Singel-row cross roller slewing bearing

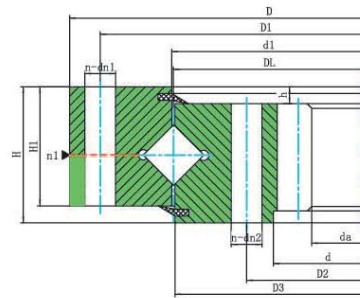
Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{n2} (mm)	d _{m1} (mm)	d _{m2} (mm)	L (mm)	n	n ₁	D ₃ (mm)	d ₁ (mm)	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z	
11.50.4000	19	4226	3772	134	4136	3864	45	M42	84	60	10	3997	4003	122	12	110	22	25	4329.6	4345	194	3660.8	167	147
11.50.4500	20	4726	4272	134	4636	4364	45	M42	84	60	10	4497	4503	122	12	110	22	25	4835.6	4845	217	4166.8	190	167



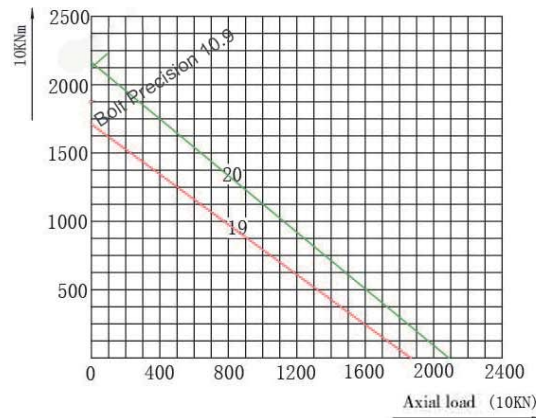
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111 112

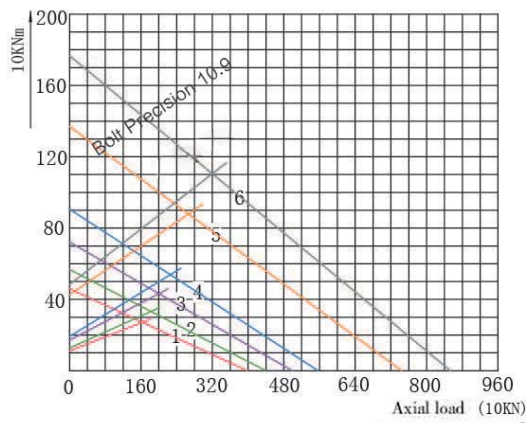
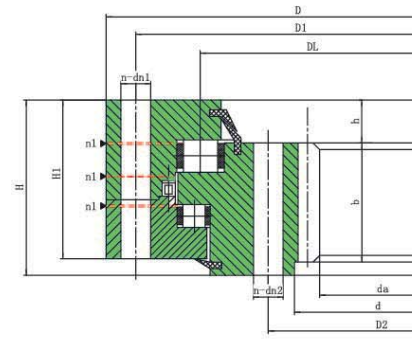
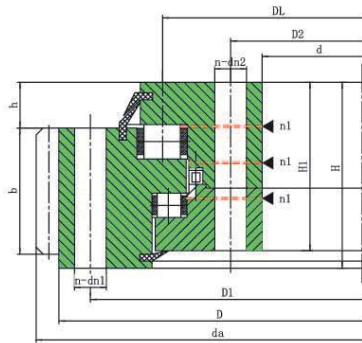
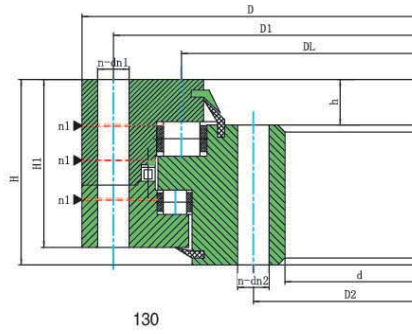


113 114



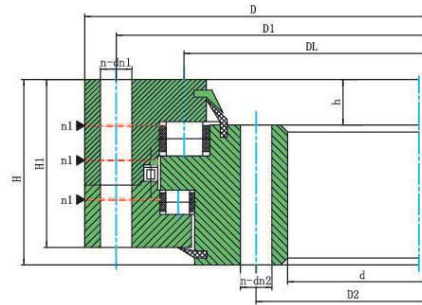
Three-row roller slewing bearing.

Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} d _{n2} (mm)	d _{m1} d _{m2} (mm)	L (mm)	n	n ₁	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
13.25.500	1	634	366	148	598	402	18	M16	32	24	4	138	32	80	5 6	664 664.8	130 108	337 338.4	68 57
13.25.560	2	694	426	148	658	462	18	M16	32	24	4	138	32	80	5 6	724 724.8	142 118	397 398.4	80 67
13.25.630	3	764	496	148	728	532	18	M16	32	28	4	138	32	80	6 8	808.8 806.4	132 98	458.4 459.2	77 58
13.25.710	4	844	576	148	808	612	18	M16	32	28	4	138	32	80	6 8	886.8 886.4	145 108	536.4 539.2	90 68
13.25.800	5	964	636	182	920	680	22	M20	40	36	4	172	40	120	8 10	1006.4 1008	123 98	595.2 594	75 60
13.32.900	6	1064	736	182	1020	780	22	M20	40	36	4	172	40	120	8 10	1102.4 1108	135 108	691.2 694	87 70

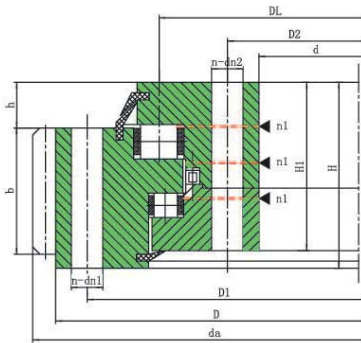


Three-row roller slewing bearing.

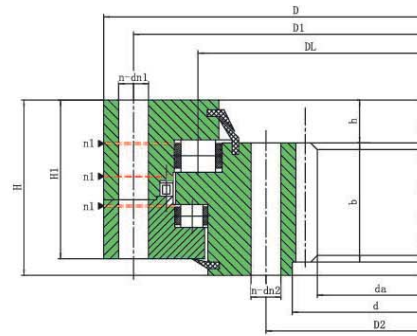
Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} (mm)	d _{m1} (mm)	L (mm)	n	n ₁	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
13. 32. 1000	7	1164	836	182	1120	880	22	M20	40	40	5	172	40	120	10 12	1218 1221.6	119 99	784 784.8	79 66
13. 32. 1120	8	1284	956	182	1240	1000	22	M20	40	40	5	172	40	120	10 12	1338 1341.6	131 109	904 904.8	91 76
13. 40. 1250	9	1445	1055	220	1393	1107	26	M24	48	45	5	210	50	150	12 14	1509.6 1509.2	123 105	988.8 985.6	83 71
13. 40. 1400	10	1595	1205	220	1543	1257	26	M24	48	45	5	210	50	150	12 14	1665.6 1663.2	136 116	1144.8 1139.6	96 82
13. 40. 1600	11	1795	1405	220	1743	1457	26	M24	48	48	6	210	50	150	14 16	1873.2 1868.8	131 114	1335.6 1334.4	96 84
13. 40. 1800	12	1995	1605	220	1943	1657	26	M24	48	48	6	210	50	150	14 16	2069.2 2076.8	145 127	1531.6 1526.4	110 96



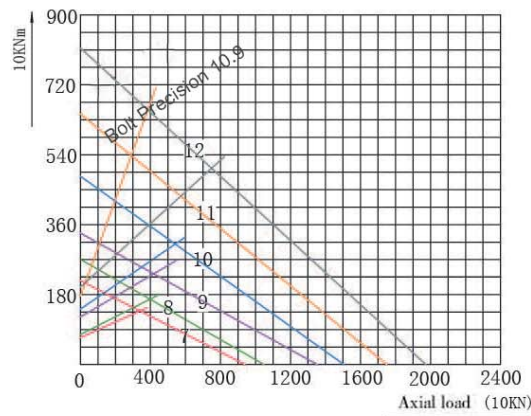
130



131 132

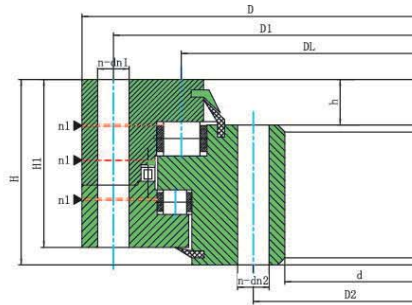


133 134

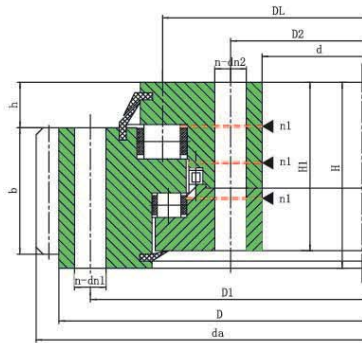


Three-row roller slewing bearing.

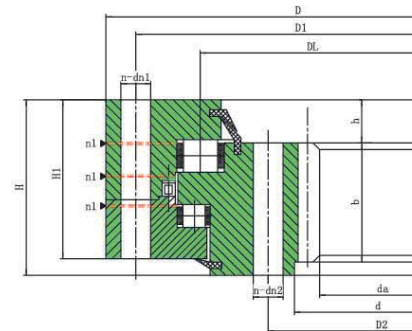
Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} d _{n2} (mm)	d _{m1} d _{m2} (mm)	L (mm)	n	n ₁	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
13. 45. 2000	13	2221	1779	231	2155	1845	33	M30	60	60	6	219	54	160	16 18	2300. 8 2300. 4	141 125	1702. 4 1699. 2	107 95
13. 45. 2240	14	2461	2019	231	2395	2085	33	M30	60	60	6	219	54	160	16 18	2556. 8 2552. 4	157 139	1926. 4 1933. 2	121 108
13. 45. 2500	15	2721	2279	231	2655	2345	33	M30	60	72	8	219	54	160	18 20	2822. 4 2816	154 138	2185. 2 2188	122 110
13. 45. 2800	16	3021	2579	231	2955	2645	33	M30	60	72	8	219	54	160	18 20	3110. 4 3116	170 153	2491. 2 2488	139 125
13. 50. 3150	17	3432	2868	270	3342	2958	45	M42	84	72	8	258	65	180	20 22	3536 3537. 6	174 158	2768 2758. 8	139 126
13. 50. 3550	18	3832	3268	270	3742	3358	45	M42	84	72	8	258	65	180	20 22	3936 3933. 6	194 176	3168 3154. 8	159 144



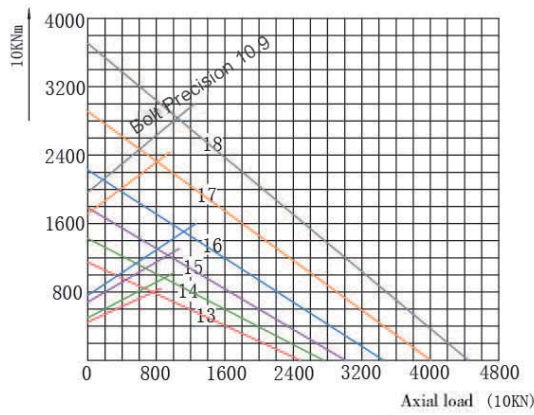
130



131 132

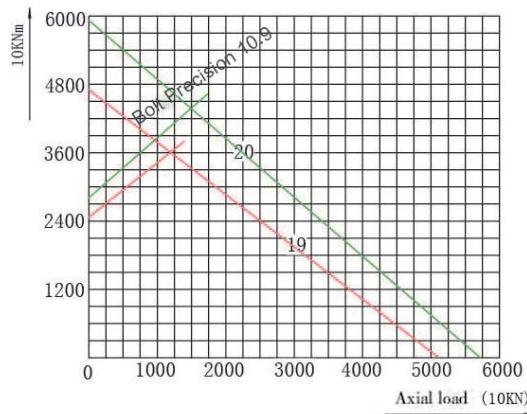
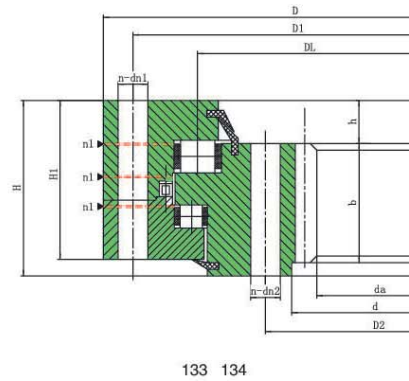
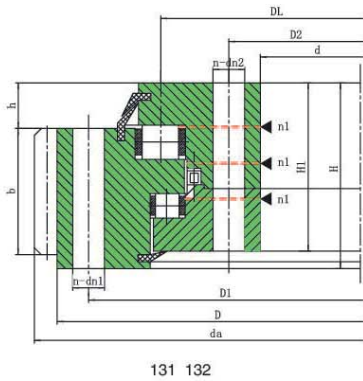
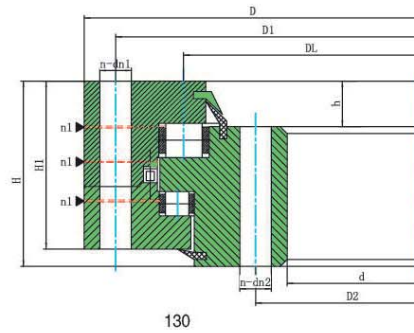


133 134



Three-row roller slewing bearing.

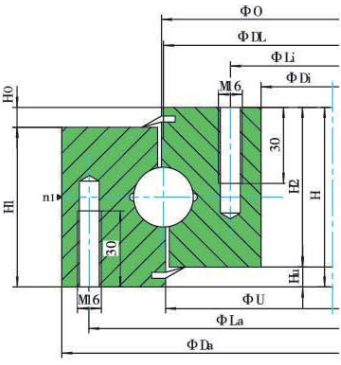
Code	Curve	D (mm)	d (mm)	H (mm)	D ₁ (mm)	D ₂ (mm)	d _{n1} d _{n2} (mm)	d _{m1} d _{m2} (mm)	L (mm)	n	n ₁	H ₁ (mm)	h (mm)	b (mm)	m (mm)	d _a (mm)	z	d _a (mm)	z
13. 50. 4000	19	4282	3718	270	4192	3808	45	M42	84	80	8	258	65	180	22 25	4395.6 4395	197 173	3616.8 3610	165 145
13. 50. 4500	20	4782	4218	270	4692	4308	45	M42	84	80	8	258	65	180	22 25	4901.6 4895	220 193	4122.8 4110	188 165



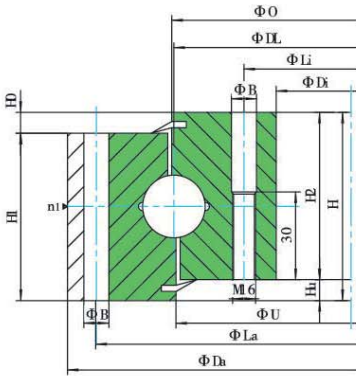
Thin series products



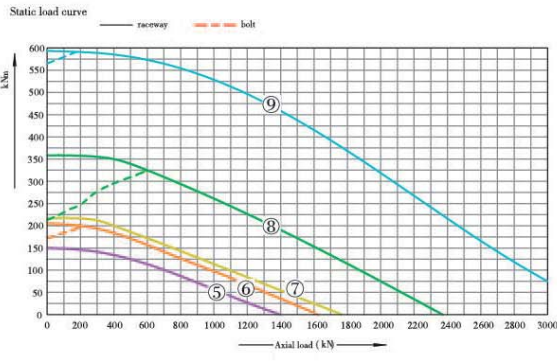
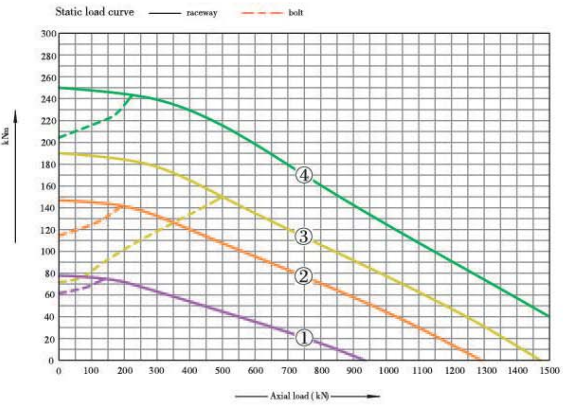
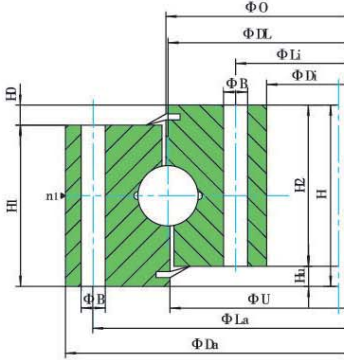
Drawing No.		No gear																							
Raceway center distance	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of bolt hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner height difference	Outer ring height difference	Gear	Module	Tooth no.	Variable volume	Cutting quantitative	Tooth wide	Normal load (KN)	Maximum load (KN)	Load curve
060.22.0370.301.11.1504	35	456	289	59	425	320	16	1.5	16	4	371	369	50	50	9	9	-	-	-	-	-	-	-	-	1
060.22.0505.000.11.1503	44	585	425	58	555	455	22	17.5	16	2	506	504	49	49	9	9	-	-	-	-	-	-	-	-	2
060.22.0575.502.11.1503	52	655	500	62	625	525	12	-	16	4	576	574	49	49	13	13	-	-	-	-	-	-	-	-	3
060.22.0660.001.11.1503	59	740	580	58	710	610	30	17.5	16	2	657	659	49	49	9	9	-	-	-	-	-	-	-	-	4
060.25.0475.000.11.1504	50	565	385	64	535	415	30	17.5	16	3	476	474	57	57	7	7	-	-	-	-	-	-	-	-	5
060.25.0555.000.11.1504	61	650	460	63	614	496	30	17.5	16	3	556	554	54	54	9	9	-	-	-	-	-	-	-	-	6
060.30.0550.100.11.1504	73	650	450	75	615	485	24	22	20	4	548	552	65	65	10	10	-	-	-	-	-	-	-	-	7
060.35.0680.000.11.1503	131	800	560	82	755	605	20	22	20	4	681	678	73	73	9	9	-	-	-	-	-	-	-	-	8
060.45.0805.001.11.1504	215	948	662	99	896	714	30	26	24	4	807	803	90	90	9	9	-	-	-	-	-	-	-	-	9



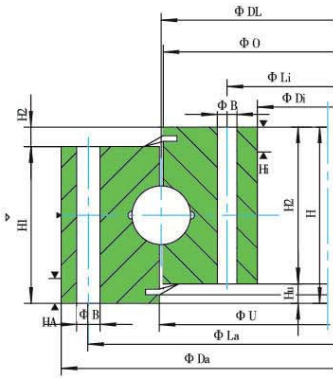
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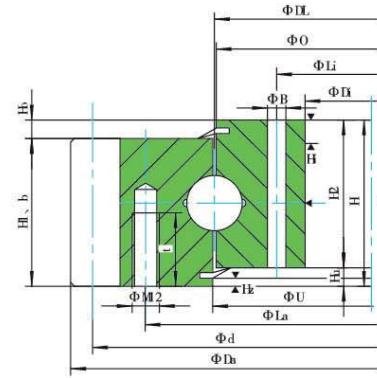
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060.22.0505.000.11.1503
060.22.0660.001.11.1503



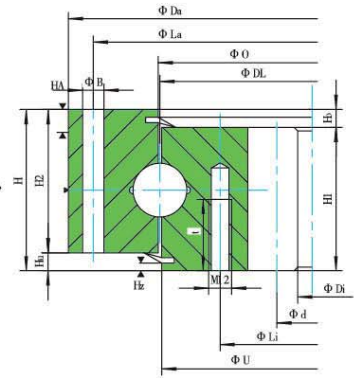
Drawing No.	Raceway center distance	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of bolt hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner height difference	outer ring height difference	Gear	Module	Tooth no.	Variable volume	Cutting quantitative	Tooth wide	Normal load	Maximum load	Bearing clearance		Load curve	
																										轴向 ^(mm)	径向 ^(mm)		
No gear																													
060.20.0414.500.01.1503		29	486	342	56	460	368	24	13.5	12	-	412.5	415.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	-	-	≈0.28	≈0.24	1
060.20.0544.500.01.1503		37	616	472	56	590	498	32	13.5	12	-	542.5	545.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	-	≈0.30	≈0.26	2	
060.20.0644.500.01.1503		44	716	572	56	690	598	36	13.5	12	-	642.5	645.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	≈0.30	≈0.26	3		
060.20.0744.500.01.1503		52	816	672	56	790	698	40	13.5	12	-	742.5	745.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	≈0.30	≈0.26	4		
060.20.0844.500.01.1503		60	916	772	56	890	798	44	13.5	12	-	842.5	845.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	≈0.30	≈0.26	5		
060.20.0944.500.01.1503		67	1016	872	56	990	898	44	13.5	12	-	942.5	945.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	≈0.30	≈0.26	6		
060.20.1094.500.01.1503		77	1166	1022	56	1140	1048	48	13.5	12	-	1092.5	1095.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	≈0.30	≈0.26	7		
Outer gear																													
061.20.0414.500.01.1503		31	504	342	56	455	368	20/24	13.5	12	20	412.5	415.5	45.5	45.5	10.5	10.5	495	5	99	-	-0.5	45.5	11.75	23.5	≈0.28	≈0.24	1	
061.20.0544.500.01.1503		43	640.8	472	56	585	498	28/32	13.5	12	20	542.5	545.5	45.5	45.5	10.5	10.5	630	6	105	-	-0.6	45.5	14.2	28.4	≈0.30	≈0.26	2	
061.20.0644.500.01.1503		52	742.8	572	56	685	598	32/36	13.5	12	20	642.5	645.5	45.5	45.5	10.5	10.5	732	6	122	-	-0.6	45.5	14.2	28.4	≈0.30	≈0.26	3	
061.20.0744.500.01.1503		59	838.8	672	56	785	698	36/40	13.5	12	20	742.5	745.5	45.5	45.5	10.5	10.5	828	6	138	-	-0.6	45.5	14.2	28.4	≈0.30	≈0.26	4	
061.20.0844.500.01.1503		71	950.4	772	56	885	798	36/40	13.5	12	20	842.5	845.5	45.5	45.5	10.5	10.5	936	8	117	-	-0.8	45.5	18.93	37.86	≈0.30	≈0.26	5	
061.20.0944.500.01.1503		77	1046.4	872	56	985	898	40/44	13.5	12	20	942.5	945.5	45.5	45.5	10.5	10.5	1032	8	129	-	-0.8	45.5	18.93	37.86	≈0.30	≈0.26	6	
061.20.1094.500.01.1503		91	1198.4	1022	56	1135	1048	44/48	13.5	12	20	1092.5	1095.5	45.5	45.5	10.5	10.5	1184	8	148	-	-0.8	45.5	18.93	37.86	≈0.30	≈0.26	7	
Inner gear																													
062.20.0414.500.01.1503		31	486	326.5	56	460	375	24	13.5	12	20	415.5	412.5	45.5	45.5	10.5	10.5	335	5	67	-	-0.75	45.5	13.54	27.08	≈0.28	≈0.24	1	
062.20.0544.500.01.1503		42	616	445.2	56	590	505	32	13.5	12	20	545.5	542.5	45.5	45.5	10.5	10.5	456	6	76	-	-0.6	45.5	16	32	≈0.30	≈0.26	2	
062.20.0644.500.01.1503		50	716	547.2	56	690	605	36	13.5	12	20	645.5	642.5	45.5	45.5	10.5	10.5	558	6	93	-	-0.6	45.5	15.62	31.24	≈0.30	≈0.26	3	
062.20.0744.500.01.1503		58	816	649.2	56	790	705	40	13.5	12	20	745.5	742.5	45.5	45.5	10.5	10.5	660	6	110	-	-0.6	45.5	15.32	30.64	≈0.30	≈0.26	4	
062.20.0844.500.01.1503		69	916	737.6	56	890	805	40	13.5	12	20	845.5	842.5	45.5	45.5	10.5	10.5	752	8	94	-	-0.8	45.5	20.8	41.6	≈0.30	≈0.26	5	
062.20.0944.500.01.1503		76	1016	841.6	56	990	905	44	13.5	12	20	945.5	942.5	45.5	45.5	10.5	10.5	856	8	107	-	-0.8	45.5	20.49	40.98	≈0.30	≈0.26	6	
062.20.1094.500.01.1503		91	1166	985.6	56	1140	1055	48	13.5	12	20	1095.5	1092.5	45.5	45.5	10.5	10.5	1000	8	125	-	-0.8	45.5	20.16	40.32	≈0.30	≈0.26	7	



without gear

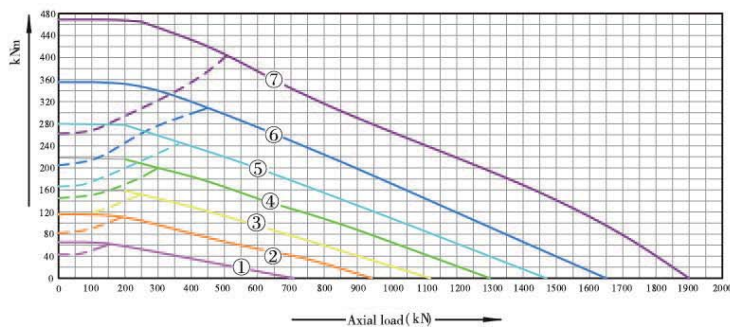


Outer gear



Inner gear

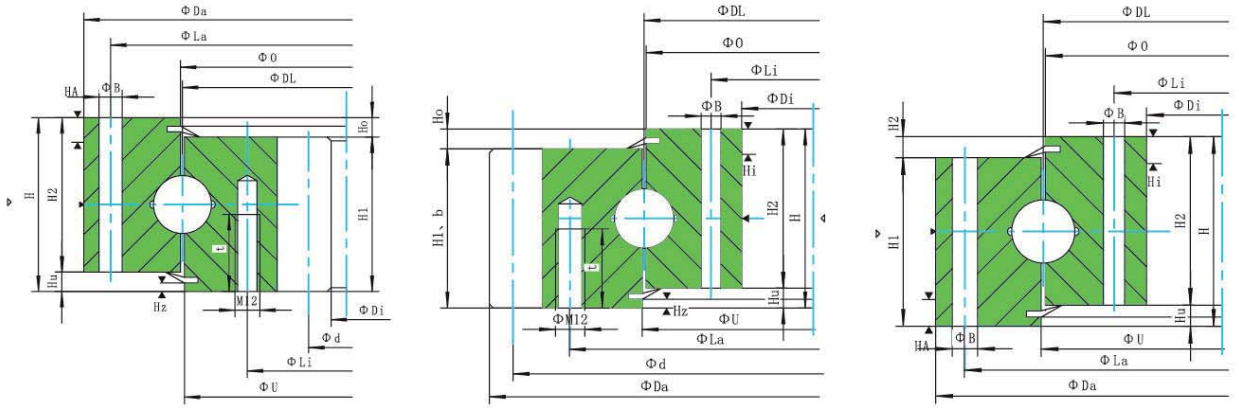
Static load curve ——— raceway - - - - - bolt



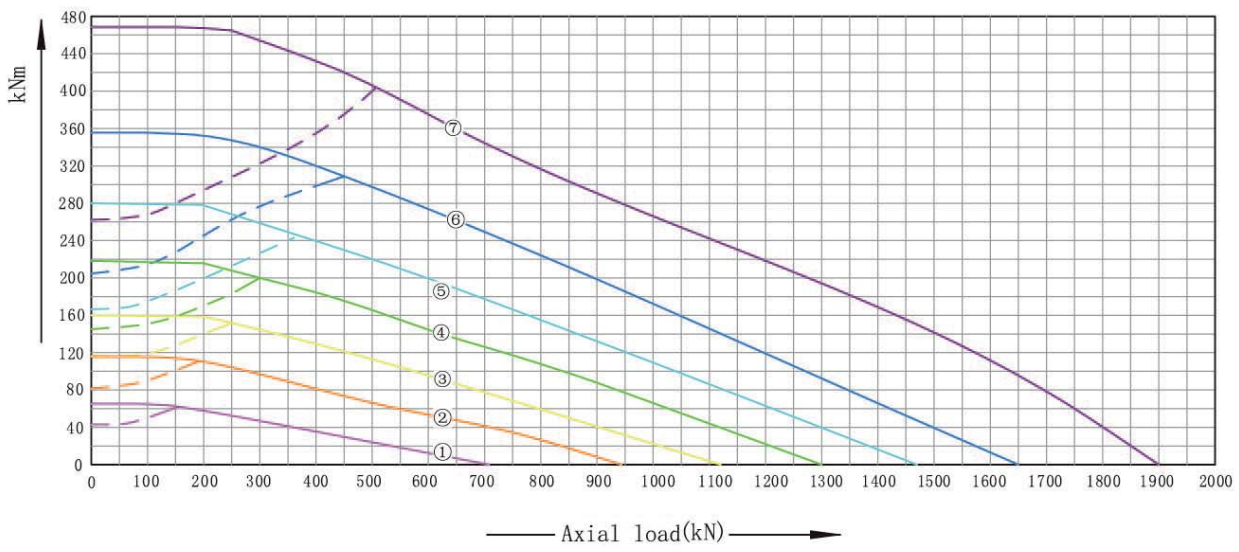
Drawing No .	Raceway center distance	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of bolt hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner height difference	outer ring height difference	Gear	Module	Tooth no.	Variable volume	Cutting quantitative	Tooth wide	Normal load	Maximum load	Bearing clearance	Load curve		
																												$D_{1(um)}$	$D_{2(um)}$
No gear																													
	060.20.0414.575.01.1403	29	484.5 -0.10	343.5 +0.09	56	460	368	24	13.5	12	-	412.5	415.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	-	-	-	0-0.03	1
	060.20.0544.575.01.1403	37	614.5 -0.11	473.5 +0.10	56	590	498	32	13.5	12	-	542.5	545.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	-	-	-	0-0.03	2
	060.20.0644.575.01.1403	44	714.5 -0.13	573.5 +0.11	56	690	598	36	13.5	12	-	642.5	645.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	-	-	-	0-0.04	3
	060.20.0744.575.01.1403	52	814.5 -0.14	673.5 +0.13	56	790	698	40	13.5	12	-	742.5	745.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	-	-	-	0-0.04	4
	060.20.0844.575.01.1403	60	914.5 -0.14	773.5 +0.13	56	890	798	40	13.5	12	-	842.5	845.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	-	-	-	0-0.05	5
	060.20.0944.575.01.1403	67	1014.5 -0.17	873.5 +0.14	56	990	898	44	13.5	12	-	942.5	945.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	-	-	-	0-0.05	6
	060.20.1094.575.01.1403	77	1164.5 -0.17	1023.5 +0.17	56	1140	1048	48	13.5	12	-	1092.5	1095.5	45.5	45.5	10.5	10.5	-	-	-	-	-	-	-	-	-	-	0-0.06	7
Outer gear																													
	061.20.0414.575.01.1403	31	504	343.5 +0.10	56	455	368	20/24	13.5	12	20	412.5	417 +0.10	45.5	45.5	10.5	10.5	495	5	99	-	-0.5	45.5	11.75	23.5	0-0.03	1		
	061.20.0544.575.01.1403	43	640.8	473.5 +0.10	56	585	498	28/32	13.5	12	20	542.5	547 +0.11	45.5	45.5	10.5	10.5	630	6	105	-	-0.6	45.5	14.2	28.4	0-0.03	2		
	061.20.0644.575.01.1403	52	742.8	573.5 +0.11	56	685	598	32/36	13.5	12	20	642.5	647 +0.13	45.5	45.5	10.5	10.5	732	6	122	-	-0.6	45.5	14.2	28.4	0-0.04	3		
	061.20.0744.575.01.1403	59	838.8	673.5 +0.13	56	785	698	36/40	13.5	12	20	742.5	747 +0.13	45.5	45.5	10.5	10.5	828	6	138	-	-0.6	45.5	14.2	28.4	0-0.04	4		
	061.20.0844.575.01.1403	71	950.4	773.5 +0.13	56	885	798	36/40	13.5	12	20	842.5	847 +0.14	45.5	45.5	10.5	10.5	936	8	117	-	-0.8	45.5	18.93	37.86	0-0.05	5		
	061.20.0944.575.01.1403	77	1046.4	873.5 +0.14	56	985	898	40/44	13.5	12	20	942.5	947 +0.14	45.5	45.5	10.5	10.5	1032	8	129	-	-0.8	45.5	18.93	37.86	0-0.05	6		
	061.20.1094.575.01.1403	91	1198.4	1023.5 +0.17	56	1135	1048	44/48	13.5	12	20	1092.5	1097 +0.17	45.5	45.5	10.5	10.5	1184	8	148	-	-0.8	45.5	18.93	37.86	0-0.06	7		
Inner gear																													
	062.20.0414.575.01.1403	31	484.5 -0.10	326.5	56	460	375	24	13.5	12	20	415.5	411 -0.10	45.5	45.5	10.5	10.5	335	5	67	-	-0.75	45.5	13.54	27.08	0-0.03	1		
	062.20.0544.575.01.1403	42	614.5 -0.11	445.2	56	590	505	32	13.5	12	20	545.5	541 -0.11	45.5	45.5	10.5	10.5	456	6	76	-	-0.6	45.5	16	32	0-0.03	2		
	062.20.0644.575.01.1403	50	714.5 -0.13	547.2	56	690	605	36	13.5	12	20	645.5	641 -0.13	45.5	45.5	10.5	10.5	558	6	93	-	-0.6	45.5	15.62	31.24	0-0.04	3		
	062.20.0744.575.01.1403	58	814.5 -0.14	649.2	56	790	705	40	13.5	12	20	745.5	741 -0.13	45.5	45.5	10.5	10.5	660	6	110	-	-0.6	45.5	15.32	30.64	0-0.04	4		
	062.20.0844.575.01.1403	69	914.5 -0.14	737.6	56	890	805	40	13.5	12	20	845.5	841 -0.14	45.5	45.5	10.5	10.5	752	8	94	-	-0.8	45.5	20.8	41.6	0-0.05	5		
	062.20.0944.575.01.1403	76	1014.5 -0.17	841.6	56	990	905	44	13.5	12	20	945.5	941 -0.14	45.5	45.5	10.5	10.5	856	8	107	-	-0.8	45.5	20.49	40.98	0-0.05	6		
	062.20.1094.575.01.1403	91	1164.5 -0.17	985.6	56	1140	1055	48	13.5	12	20	1095.5	1091 -0.17	45.5	45.5	10.5	10.5	1000	8	125	-	-0.8	45.5	20.16	40.32	0-0.06	7		

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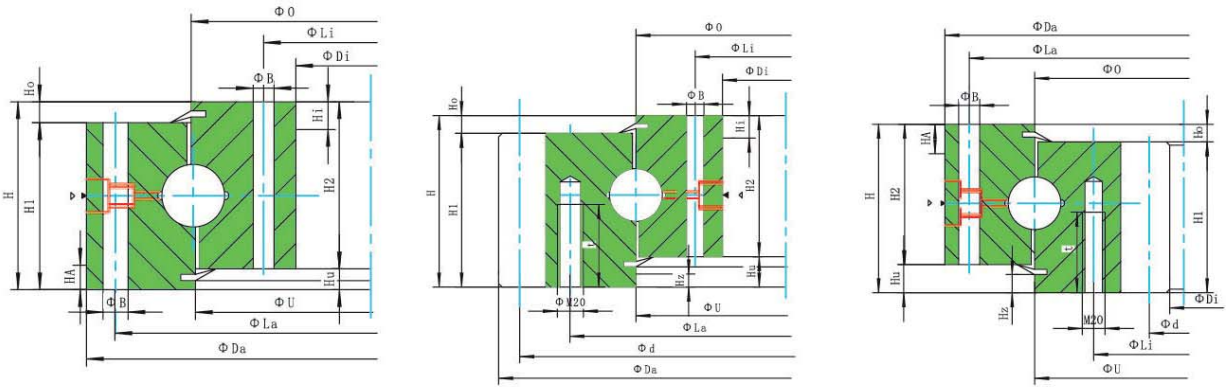
Thin series products



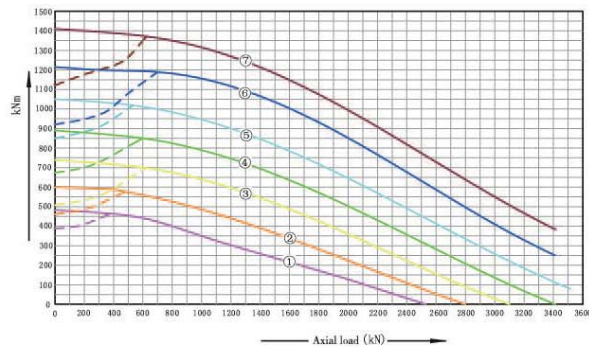
Static load curve ——— raceway - - - - - bolt



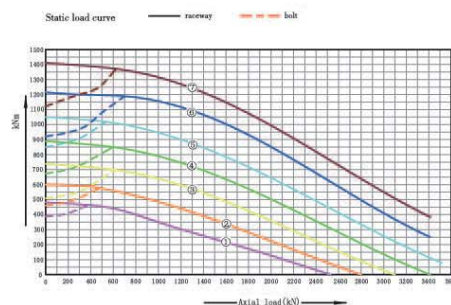
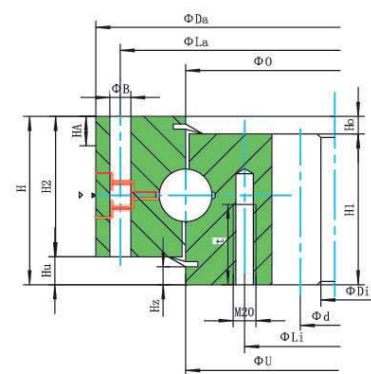
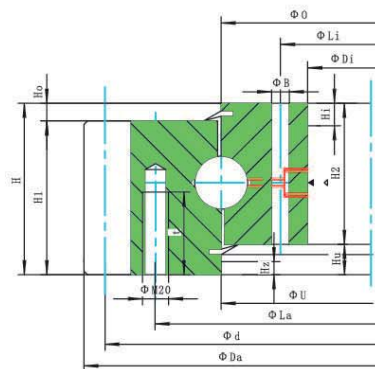
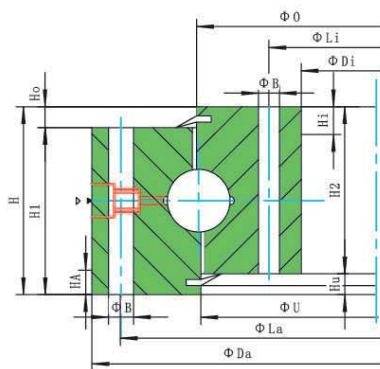
No gear																												
Drawing No.	Faceway center distance	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of bolt hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner height difference	Outer ring height difference	Gear	Module	Teeth no.	Variable volume	Cutting quantitative	Tooth wide	Normal load	Maximum load	Bearing clearance	Load curve	
$D_{i(mm)}$	(kg)	$D_o(mm)$	$D_i(mm)$	$H(mm)$	$L_{out(mm)}$	$L_{in(mm)}$	n	$B(mm)$	$M(mm)$	$t(mm)$	n1	$O(mm)$	$U(mm)$	$H_{i1(mm)}$	$H_{i2(mm)}$	$H_{i3(mm)}$	$H_{i4(mm)}$	$d(mm)$	$m(mm)$	z	$x^*m(mm)$	$k^*m(mm)$	b(mm)	(KN)	(KN)	轴向 Axial	径向 Radial	
060.25.0855.500.11.1503	100	955	755	63	915	795	28	22	20	-	4	856	854	54	54	9	9	-	-	-	-	-	-	-	-	0.30	0.25	1
060.25.0955.500.11.1503	113	1055	855	63	1015	895	30	22	20	-	6	956	954	54	54	9	9	-	-	-	-	-	-	-	-	0.30	0.25	2
060.25.1055.500.11.1503	124	1155	955	63	1115	995	30	22	20	-	6	1056	1054	54	54	9	9	-	-	-	-	-	-	-	-	0.30	0.25	3
060.25.1155.500.11.1503	139	1255	1055	63	1215	1095	36	22	20	-	6	1156	1154	54	54	9	9	-	-	-	-	-	-	-	-	0.30	0.25	4
060.25.1255.500.11.1503	148	1355	1155	63	1315	1195	42	22	20	-	6	1256	1254	54	54	9	9	-	-	-	-	-	-	-	-	0.36	0.3	5
060.25.1355.500.11.1503	161	1455	1255	63	1415	1295	42	22	20	-	6	1356	1354	54	54	9	9	-	-	-	-	-	-	-	-	0.36	0.3	6
060.25.1455.500.11.1503	171	1555	1355	63	1515	1395	48	22	20	-	6	1456	1454	54	54	9	9	-	-	-	-	-	-	-	-	0.36	0.3	7
Outer gear																												
061.25.0855.500.11.1503	141	977.2	755	80	916	795	28	22	20	40	4	856	854	71	54	26	9	981	9	109	-	-0.9	71	33.23	66.46	0.3	0.25	1
061.25.0955.500.11.1503	158	1096.2	855	80	1016	895	30	22	20	40	6	956	954	71	54	26	9	1080	9	120	-	-0.9	71	33.23	66.46	0.3	0.25	2
061.25.1055.500.11.1503	172	1198	955	80	1116	995	30	22	20	40	6	1056	1054	71	54	26	9	1180	10	118	-	-1	71	36.92	73.84	0.3	0.25	3
061.25.1155.500.11.1503	190	1298	1055	80	1216	1095	36	22	20	40	6	1156	1154	71	54	26	9	1280	10	128	-	-1	71	36.92	73.84	0.3	0.25	4
061.25.1255.500.11.1503	204	1398	1155	80	1316	1195	42	22	20	40	6	1256	1254	71	54	26	9	1380	10	138	-	-1	71	36.92	73.84	0.36	0.3	5
061.25.1355.500.11.1503	222	1498	1255	80	1416	1295	42	22	20	40	6	1356	1354	71	54	26	9	1480	10	148	-	-1	71	36.92	73.84	0.36	0.3	6
061.25.1455.500.1.1503	236	1598	1355	80	1516	1395	48	22	20	40	6	1456	1454	71	54	26	9	1580	10	158	-	-1	71	36.92	73.84	0.36	0.3	7
Inner gear																												
062.25.0855.500.11.1503	133	955	710	80	915	794	28	22	20	40	4	854	856	71	54	26	9	730	10	73	-	-	71	38.46	76.92	0.30	0.25	1
062.25.0955.500.11.1503	150	1055	810	80	1015	894	30	22	20	40	6	954	956	71	54	26	9	830	10	83	-	-	71	38.46	76.92	0.30	0.25	2
062.25.1055.500.11.1503	166	1155	910	80	1115	994	30	22	20	40	6	1054	1056	71	54	26	9	930	10	93	-	-	71	38.46	76.92	0.30	0.25	3
062.25.1155.500.11.1503	183	1255	1010	80	1215	1094	36	22	20	40	6	1154	1156	71	54	26	9	1030	10	103	-	-	71	38.46	76.92	0.30	0.25	4
062.25.1255.500.11.1503	198	1355	1110	80	1315	1194	42	22	20	40	6	1254	1256	71	54	26	9	1130	10	113	-	-	71	38.46	76.92	0.36	0.30	5
062.25.1355.500.11.1503	215	1455	1210	80	1415	1294	42	22	20	40	6	1354	1356	71	54	26	9	1230	10	123	-	-	71	38.46	76.92	0.36	0.30	6
062.25.1455.500.11.1503	229	1555	1310	80	1515	1394	48	22	20	40	6	1454	1456	71	54	26	9	1330	10	133	-	-	71	38.46	76.92	0.36	0.30	7



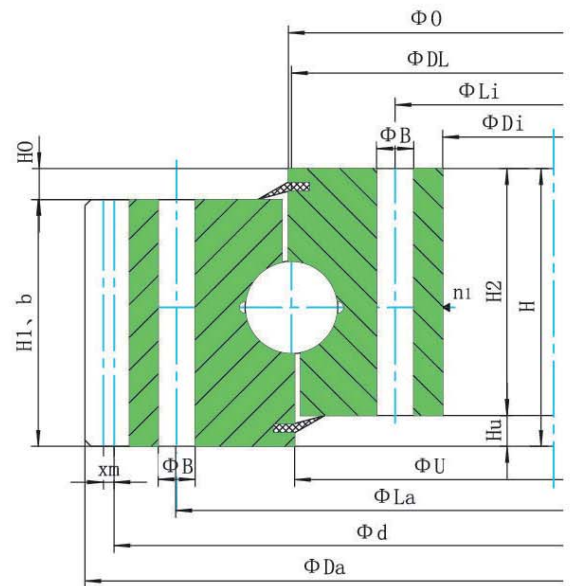
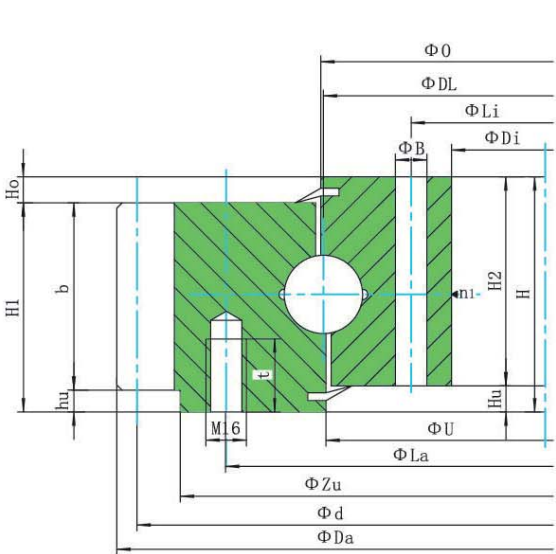
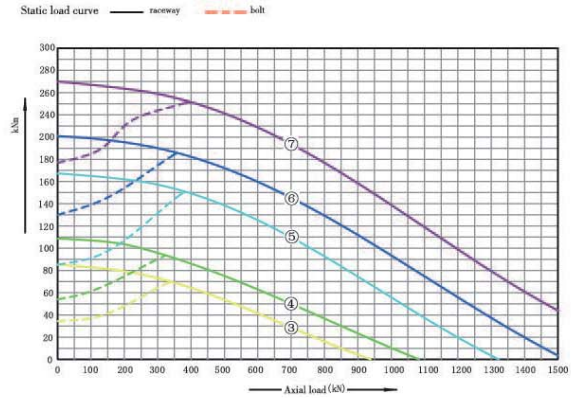
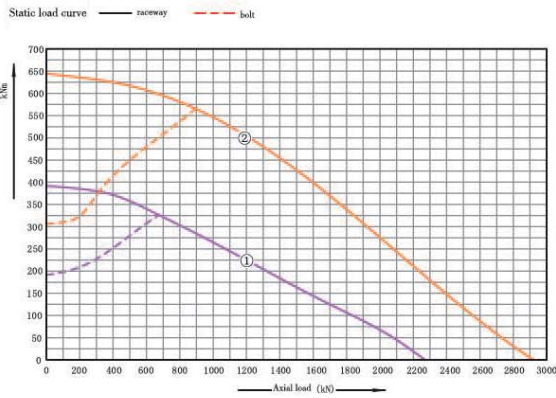
Static load curve — raceway — bolt



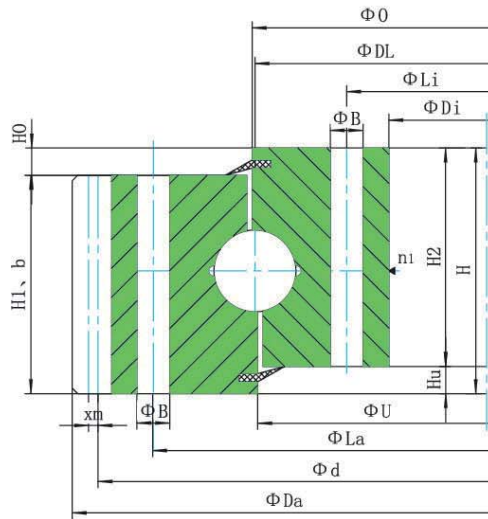
Drawing No.		No gear																										
Flange/wr center distance	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of bolt hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner height difference	Outer ring height difference	Gear	Module	Tooth no.	Variable volume	Cutting quantitative	Tooth wide	Normal load	Maximum load	Bearing clearance	Load curve		
		$D_{(out)}$	$D_{(inn)}$	H_{tot}	$L_{(out)}$	$L_{(inn)}$	n	$B_{(out)}$	$M_{(out)}$	$t_{(out)}$	$n1$	$O_{(out)}$	$U_{(out)}$	$H_{1(s)}$	$H_{2(s)}$	$H_{3(s)}$	$H_{4(s)}$	$d_{(out)}$	$m_{(out)}$	z	$x^*m_{(out)}$	$k^*m_{(out)}$	$b_{(out)}$	(KN)	(KN)	Axial and Radial Clearance		
060.25.0855.575.11.1403	100	953 -0.14	757 +0.14	63	915	795	28	22	20	-	4	856	854	54	54	9	9	-	-	-	-	-	-	-	0-0.06	1		
060.25.0955.575.11.1403	113	1053 -0.17	857 +0.14	63	1015	895	30	22	20	-	6	956	954	54	54	9	9	-	-	-	-	-	-	-	0-0.06	2		
060.25.1055.575.11.1403	124	1153 -0.17	957 +0.14	63	1115	995	30	22	20	-	6	1056	1054	54	54	9	9	-	-	-	-	-	-	-	0-0.06	3		
060.25.1155.575.11.1403	139	1253 -0.20	1057 +0.17	63	1215	1095	36	22	20	-	6	1156	1154	54	54	9	9	-	-	-	-	-	-	-	0-0.06	4		
060.25.1255.575.11.1403	148	1353 -0.20	1157 +0.17	63	1315	1195	42	22	20	-	6	1256	1254	54	54	9	9	-	-	-	-	-	-	-	0-0.07	5		
060.25.1355.575.11.1403	161	1453 -0.20	1257 +0.20	63	1415	1295	42	22	20	-	6	1356	1354	54	54	9	9	-	-	-	-	-	-	-	0-0.07	6		
060.25.1455.575.11.1403	171	1553 -0.20	1357 +0.20	63	1515	1395	48	22	20	-	6	1456	1454	54	54	9	9	-	-	-	-	-	-	-	0-0.07	7		
		Outer gear																										
061.25.0855.575.11.1403	141	997.2	757 +0.14	80	916	795	28	22	20	40	4	856	855 +0.14	71	54	26	9	981	9	109	-	-0.9	71	33.23	66.46	0-0.06	1	
061.25.0955.575.11.1403	158	1096.2	857 +0.14	80	1016	895	30	22	20	40	6	956	955 +0.14	71	54	26	9	1080	9	120	-	-0.9	71	33.23	66.46	0-0.06	2	
061.25.1055.575.11.1403	172	1198	957 +0.14	80	1116	995	30	22	20	40	6	1056	1055 +0.17	71	54	26	9	1180	10	118	-	-1	71	36.92	73.84	0-0.06	3	
061.25.1155.575.11.1403	190	1298	1057 +0.17	80	1216	1095	36	22	20	40	6	1156	1155 +0.17	71	54	26	9	1280	10	128	-	-1	71	36.92	73.84	0-0.06	4	
061.25.1255.575.11.1403	204	1398	1157 +0.17	80	1316	1195	42	22	20	40	6	1256	1255 +0.20	71	54	26	9	1380	10	138	-	-1	71	36.92	73.84	0-0.07	5	
061.25.1355.575.11.1403	222	1498	1257 +0.20	80	1416	1295	42	22	20	40	6	1356	1355 +0.20	71	54	26	9	1480	10	148	-	-1	71	36.92	73.84	0-0.07	6	
061.25.1455.575.11.1403	236	1598	1357 +0.20	80	1516	1395	48	22	20	40	6	1456	1455 +0.20	71	54	26	9	1580	10	158	-	-1	71	36.92	73.84	0-0.07	7	
		Inner gear																										
062.25.0855.575.11.1403	133	953 -0.14	710	80	915	794	28	22	20	40	4	854	855 -0.14	71	54	26	9	730	10	73	-	-	71	38.46	76.92	0-0.06	1	
062.25.0955.575.11.1403	150	1053 -0.17	810	80	1015	894	30	22	20	40	6	954	955 -0.14	71	54	26	9	830	10	83	-	-	71	38.46	76.92	0-0.06	2	
062.25.1055.575.11.1403	166	1153 -0.17	910	80	1115	994	30	22	20	40	6	1054	1055 -0.17	71	54	26	9	930	10	93	-	-	71	38.46	76.92	0-0.06	3	
062.25.1155.575.11.1403	183	1253 -0.20	1010	80	1215	1094	36	22	20	40	6	1154	1155 -0.17	71	54	26	9	1030	10	103	-	-	71	38.46	76.92	0-0.06	4	
062.25.1255.575.11.1403	198	1353 -0.20	1110	80	1315	1194	42	22	20	40	6	1254	1255 -0.20	71	54	26	9	1130	10	113	-	-	71	38.46	76.92	0-0.07	5	
062.25.1355.575.11.1403	215	1453 -0.20	1210	80	1415	1294	42	22	20	40	6	1354	1355 -0.20	71	54	26	9	1230	10	123	-	-	71	38.46	76.92	0-0.07	6	
062.25.1455.575.11.1403	229	1553 -0.20	1310	80	1515	1394	48	22	20	40	6	1454	1455 -0.20	71	54	26	9	1330	10	133	-	-	71	38.46	76.92	0-0.07	7	



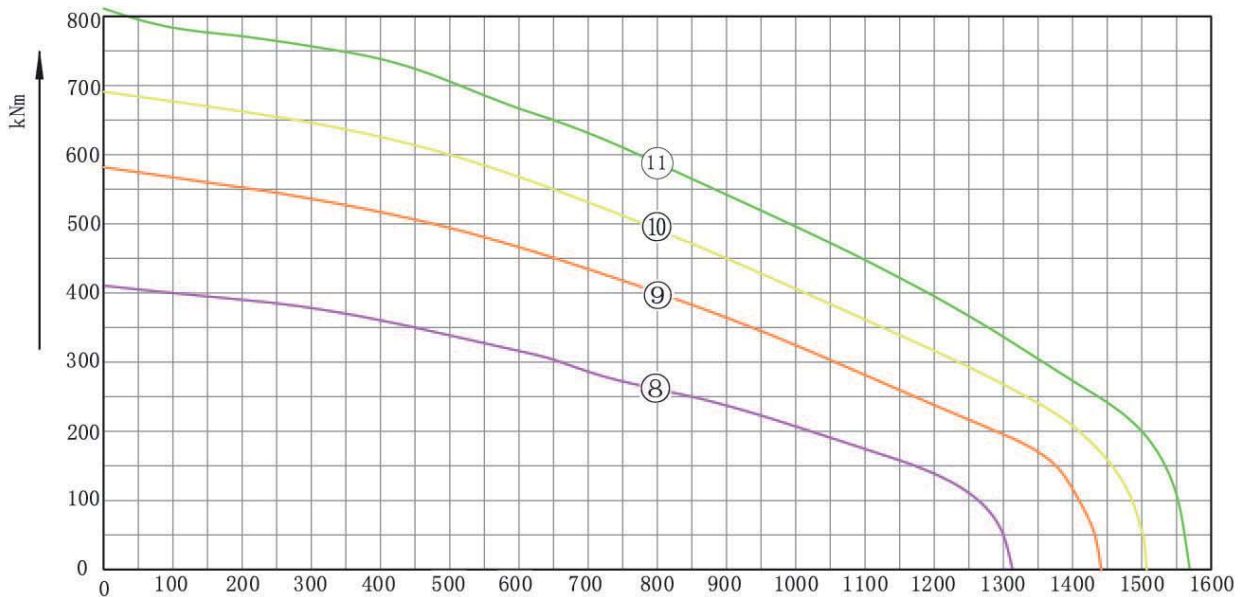
Drawing No.		Outer gear																							
Raceway center distance	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of ball hole	Ball size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner ring thickness	Outer ring thickness	Gear	Module	Teeth no.	Variable volume	Cutting quantitative	Teeth width	Normal load	Medium load	Load curve
061.25.0764.103.11.1504 061.25.0764.106.21.1504	98	862.8	670	82	800	706	24	17.5	16	4	765	763	65	61	21	17	852	6	142	+0.0	-0.6	56	17.45 26.88	34.90 53.76	1
061.25.0980.107.11.1504 061.25.0980.108.21.1504	123	1078.4	886	79	1015	922	30	17.5	16	5	981	979	67	58	21	12	1064	8	133	+0.0	-0.8	62	25.80 39.68	51.60 79.36	2
061.20.0400.100.11.1503 061.20.0400.101.21.1503	35	499	325	55	448	352	16	13.5	12	2	401	399	46	46	9	9	485	5	97	+2.5	-0.5	46	14.44 22.22	28.88 44.44	3
061.20.0450.100.11.1503 061.20.0450.101.21.1503	39	554	369	55	500	400	16	15.5	14	2	451	449	46	46	9	9	540	5	108	+2.5	-0.5	46	14.44 22.22	28.88 44.44	4
061.20.0560.100.11.1503 061.20.0560.101.21.1503	53	670.8	479	55	610	510	20	15.5	14	4	561	559	46	46	9	9	654	6	109	+3.0	-0.6	46	17.33 26.66	34.66 53.32	5
061.20.0630.100.11.1503 061.20.0630.101.21.1503	61	742.8	543	55	682	578	20	17.5	16	4	631	629	46	46	9	9	726	6	121	+3.0	-0.6	46	17.33 26.66	34.66 53.32	6
061.20.0710.100.11.1503 061.20.0710.101.21.1503	67	820.8	623	55	762	658	24	17.5	16	4	711	709	46	46	9	9	804	6	134	+3.0	-0.6	46	17.33 26.66	34.66 53.32	7



Outer gear																									
Drawing No.	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting dia	Inner ring mounting dia	Mounting hole number	Diameter of bolt hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner height difference	Outer ring height difference	Gear	Module	Tooth no.	Variable volume	Cutting quantitative	Tooth wide	Normal load	Maximum load	Load curve
Reaway center distance																									
061.25.0764.600.11.1503	95	886.8	671	63	823	706	24	17.5	16	4	765	763	54	54	9	9	870	6	145	+ 3.0	-0.6	54	20.35	40.7	8
061.25.0764.601.21.1503	95	886.8	671	63	832	706	24	17.5	16	4	765	763	54	54	9	9	870	6	145	+ 3.0	-0.6	54	31.3	62.6	8
061.25.0980.890.11.1503	124	1110.4	887	63	1039	922	30	17.5	16	5	981	979	54	54	9	9	1088	8	136	+ 4.0	-0.8	54	27.13	54.26	9
061.25.0980.891.21.1503	124	1110.4	887	63	1039	922	30	17.5	16	5	981	979	54	54	9	9	1088	8	136	+ 4.0	-0.8	54	41.74	83.48	9
060.25.1120.000.11.1504	182	1278	1013	79	1183	1057	30	22	20	5	1121	1119	70	54	25	9	1250	10	125	+ 5.0	-1.0	70	43.95	87.90	10
061.25.1120.001.21.1504	182	1278	1013	79	1183	1057	30	22	20	5	1121	1119	70	54	25	9	1250	10	125	+ 5.0	-1.0	70	67.63	135.26	10
061.25.1250.100.11.1504	221	1408	1143	79	1313	1187	36	22	20	6	1251	1249	70	54	25	9	1380	10	138	+ 5.0	-1.0	70	43.95	87.90	11
061.25.1250.101.21.1504	221	1408	1143	79	1313	1187	36	22	20	6	1251	1249	70	54	25	9	1380	10	138	+ 5.0	-1.0	70	67.63	135.26	11



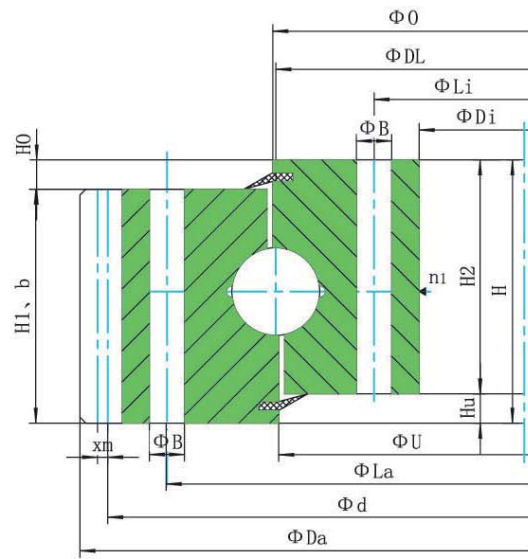
Life curve



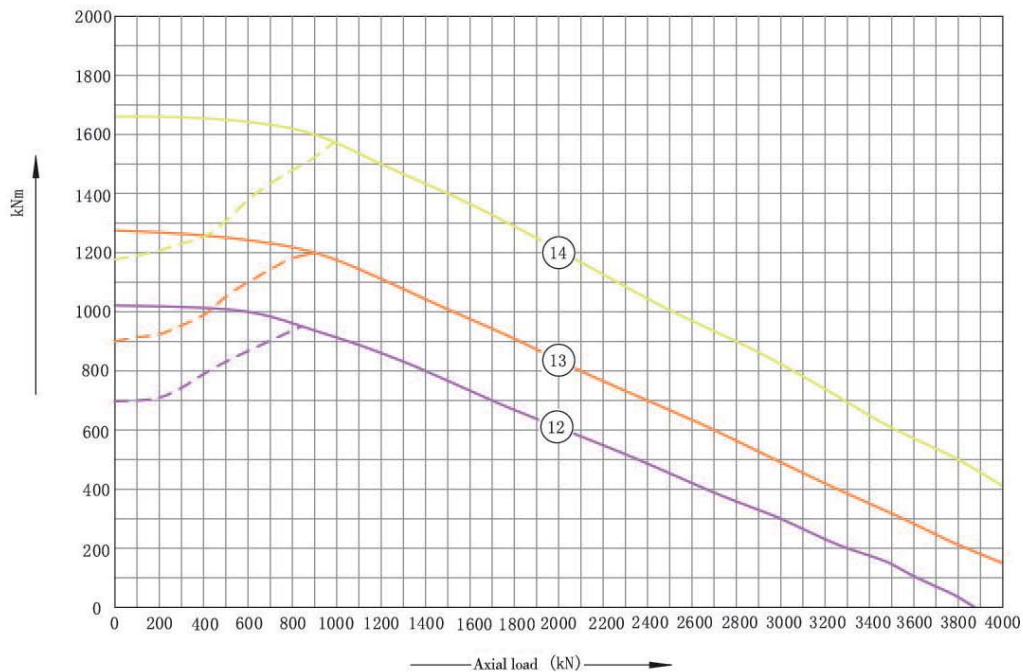
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Thin series products

Drawing No.		Outer gear																							
Receaway center distance	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of bolt hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner height clearance	Outer ring height clearance	Gear	Module	Tooth no.	Variable volume	Cutting quantitative	Teeth width	Normal load	Maximum load	Load curve
061.30.1180.000.11.1504	227	1338	1068	79	1248	1112	36	22	20	6	1181	1178	70	63	16	9	1310	10	131	+ 5.0	-1.0	70	43.95	87.90	12
061.30.1180.001.21.1504	227	1338	1068	79	1248	1112	36	22	20	6	1181	1178	70	63	16	9	1310	10	131	+ 5.0	-1.0	70	64.25	128.50	12
061.30.1320.000.11.1504	298	1497.6	1208	89	1388	1252	42	22	20	6	1321	1318	80	63	26	9	1464	12	122	+ 6.0	-1.2	80	60.30	120.60	13
061.30.1320.001.21.1504	298	1497.6	1208	89	1388	1252	42	22	20	6	1321	1318	80	63	26	9	1464	12	122	+ 6.0	-1.2	80	88.10	176.20	13
061.30.1500.200.11.1504	338	1677.6	1388	89	1568	1432	48	22	20	6	1501	1498	80	63	26	9	1644	12	137	+ 6.0	-1.2	80	60.30	120.60	14
061.30.1500.201.21.1523	338	1677.6	1388	89	1568	1432	48	22	20	6	1501	1498	80	63	26	9	1644	12	137	+ 6.0	-1.2	80	88.10	176.20	14



Static load curve ——— raceway ——— bolt

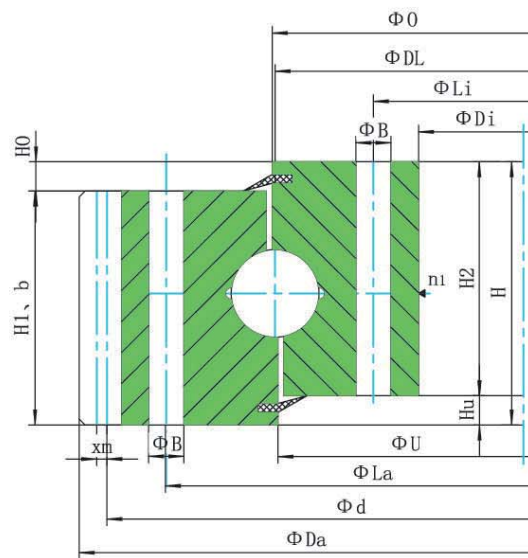


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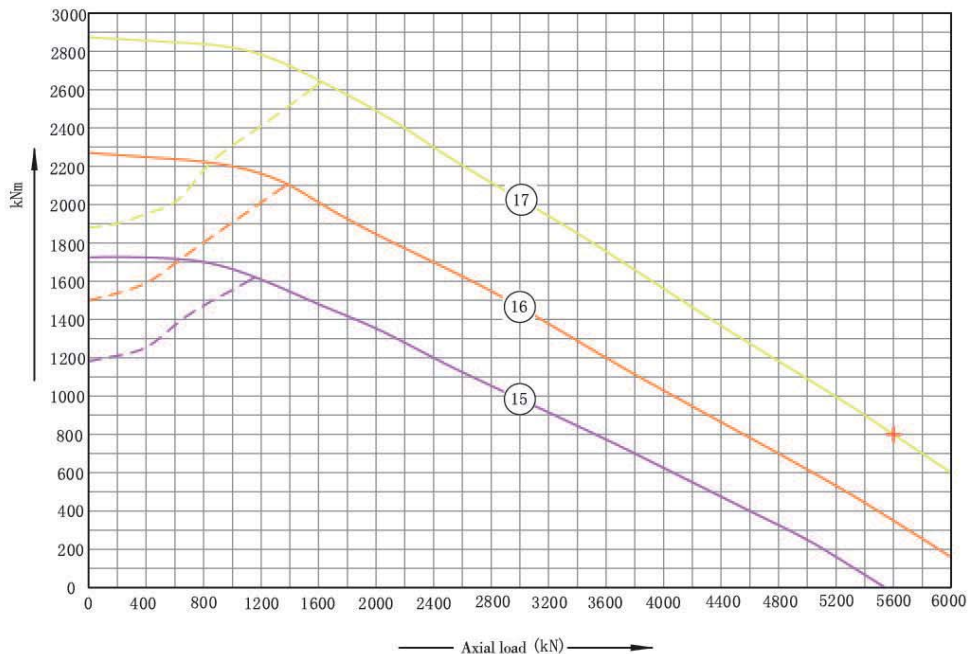
Thin series products



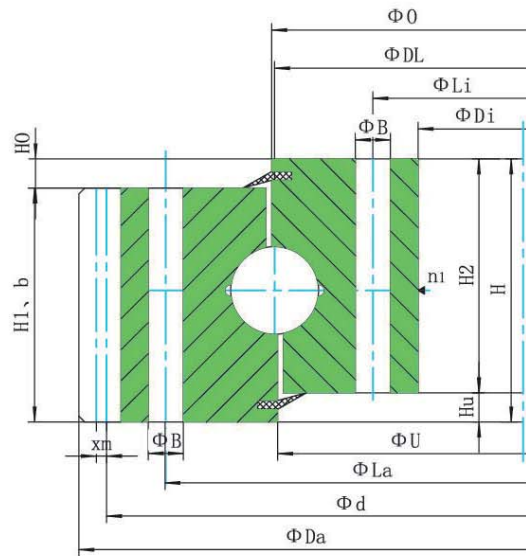
Outer gear																									
Drawing No.	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of bolt hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner height difference	Outer height difference	Gear	Module	Teeth no.	Variable volume	Cutting quantitative	Teeth wide	Normal load	Maximum load	
Raceway center distance		$D_{a(mm)}$	$D_{i(mm)}$	$H_1(mm)$	$L_{a1(mm)}$	$L_1(mm)$	n	$B_1(mm)$	$M_1(mm)$	n_1	$O_1(mm)$	$U_1(mm)$	$H_1(mm)$	$H_2(mm)$	$H_u(mm)$	$H_v(mm)$	$d(mm)$	$m_1(mm)$	z	$x^*m_1(mm)$	$k^*m_1(mm)$	$D_1(mm)$	(KN)	(KN)	
061.40.1400.000.19.1504	404	1593.6	1266	94	1482	1318	36	26	24	6	1401	1398	85	81	13	9	1560	12	130	+ 6.0	-1.2	85	64.05	128.1	
061.40.1400.001.29.1504	404	1593.6	1266	94	1482	1318	36	26	24	6	1401	1398	85	81	13	9	1560	12	130	+ 6.0	-1.2	85	93.6	187.2	
061.40.1600.008.19.1503	479	1803.2	1466	94	1682	1518	40	26	24	8	1601	1598	85	81	13	9	1764	14	126	+ 7.0	-1.4	85	74.7	149.4	
061.40.1600.009.29.1503	479	1803.2	1466	94	1682	1518	40	26	24	8	1601	1598	85	81	13	9	1764	14	126	+ 7.0	-1.4	85	109.2	218.4	
061.40.1800.013.19.1503	531	1999.2	1666	94	1882	1718	44	26	24	11	1801	1798	85	81	13	9	1960	14	140	+ 7.0	-1.4	85	74.7	149.4	
061.40.1800.014.29.1503	531	1999.2	1666	94	1882	1718	44	26	24	11	1801	1798	85	81	13	9	1960	14	140	+ 7.0	-1.4	85	109.2	218.4	



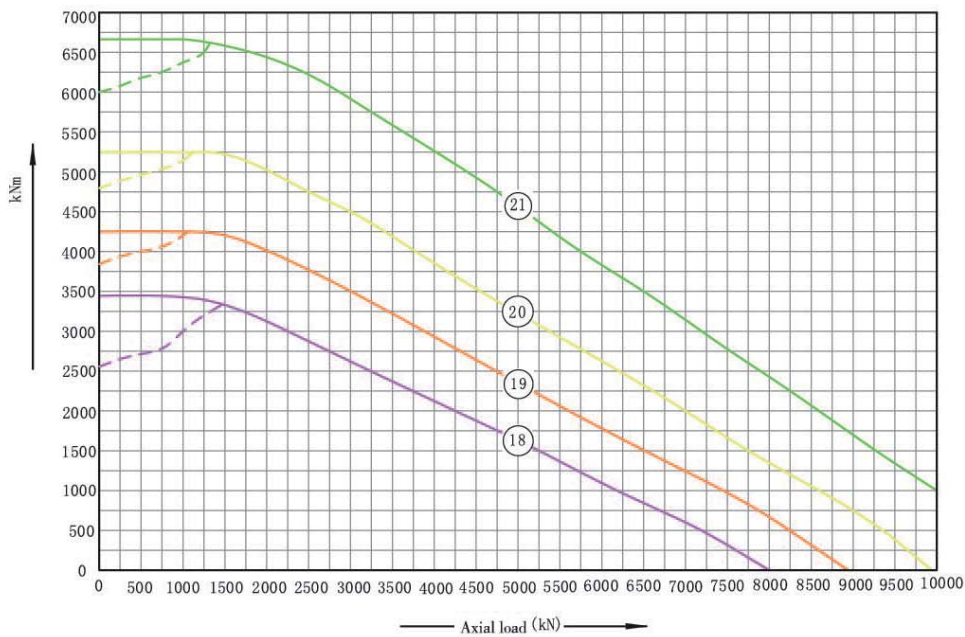
Static load curve ——— raceway ——— bolt



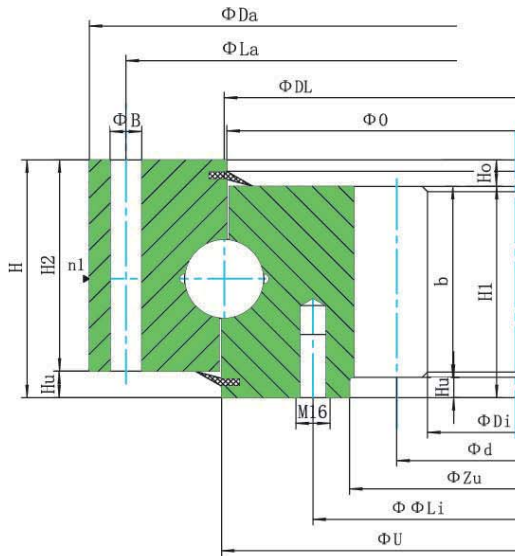
Drawing No .		Outer gear																									
Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of ball hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner ring thickness	Outer ring thickness	Gear	Module	Tooth no.	Variable volume	Clamping quantitative	Tooth width	Normal load	Maximum load	Load curve			
Raceway center distance	D_1 (mm)	(kg)	D_{e1} (mm)	D_{i1} (mm)	H_1 (mm)	L_1 (mm)	L_2 (mm)	L_3 (mm)	n	B (mm)	M_1 (mm)	n_1	O_1 (mm)	U_1 (mm)	H_{11} (mm)	H_{12} (mm)	H_{13} (mm)	H_{14} (mm)	d_1 (mm)	m_1 (mm)	z	x^*m_1 (mm)	k^*m_1 (mm)	b (mm)	(KN)	(KN)	
061.50.1900.001.49.1504	820	2139.2	1729	109	2005	1795	36	33	30	9	1902	1898	100	99	10	9	2100	14	150	+ 7.0	-1.4	100	128.5	257.0	18		
061.50.2130.001.49.1504	931	2380.8	1959	109	2235	2025	48	33	30	8	2132	2128	100	99	10	9	2336	16	146	+ 8.0	-1.6	100	146.8	293.6	19		
061.50.2355.001.49.1504	1024	2604.8	2184	109	2460	2250	54	33	30	9	2357	2353	100	99	10	9	2560	16	160	+ 8.0	-1.6	100	146.8	293.6	20		
061.50.2645.001.49.1504	1142	2892.8	2474	109	2750	2540	60	33	30	12	2647	2643	100	99	10	9	2848	16	178	+ 8.0	-1.6	100	146.8	293.6	21		



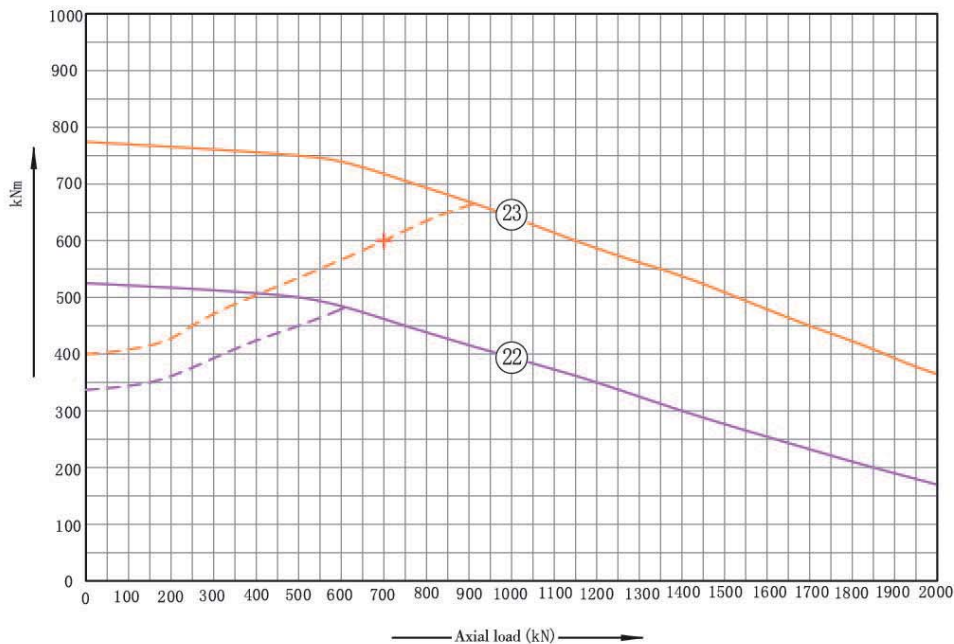
Static load curve ——— raceway ——— bolt



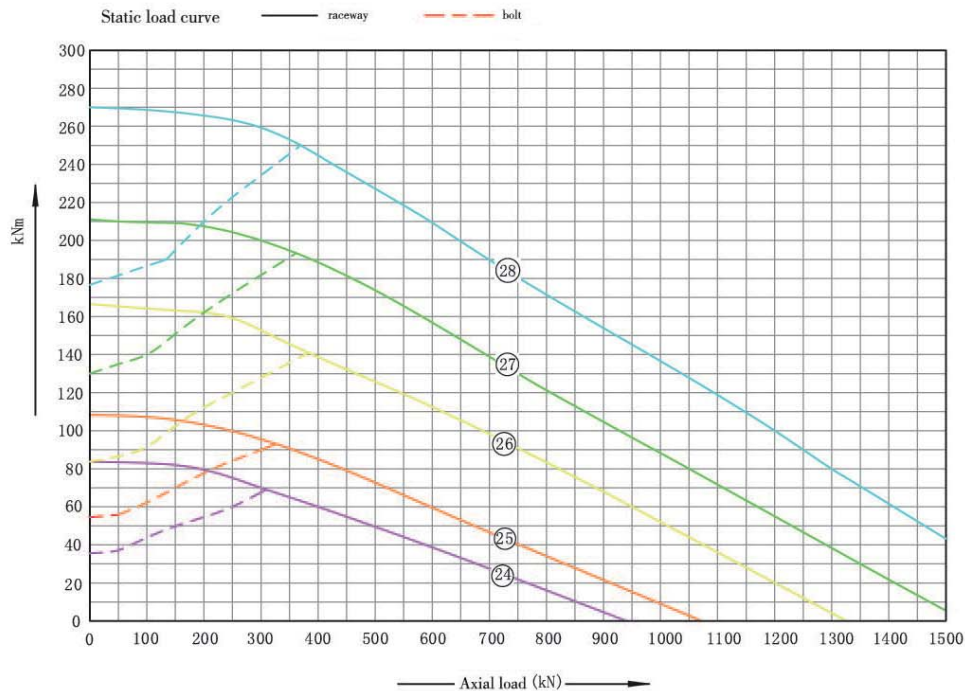
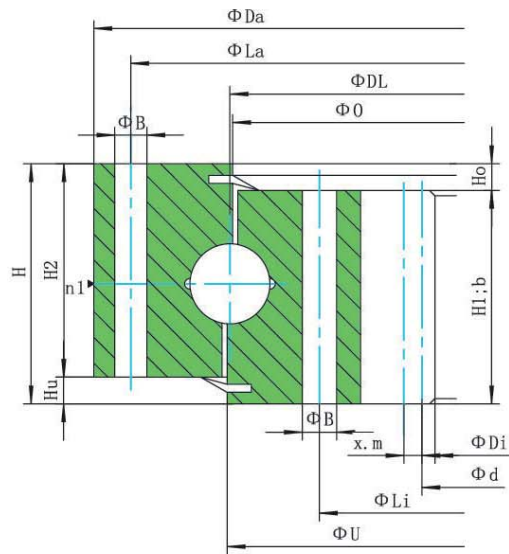
Drawing No.		Inner gear																											
Raceway center distance	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of bolt hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner height difference	Outer ring height difference	Gear	Module	Tooth no.	Variable volume	Cutting quantitative	Tooth wide	Normal load	Maximum load	Load curve		Zu _{max}	hu	
																									(KN)	(KN)			t _{max}
D _{L(ram)}	(kg)	D _{1(ram)}	D _{2(ram)}	H _{1(ram)}	L _{2(ram)}	L _{3(ram)}	n	B _{1(ram)}	M _{1(ram)}	n ₁	O _{1(ram)}	U _{1(ram)}	H _{1(ram)}	H _{2(ram)}	H _{3(ram)}	H _{4(ram)}	d _{1(ram)}	m _{1(ram)}	z	α*m _{1(ram)}	k*m _{1(ram)}	b _{1(ram)}	(KN)	(KN)	t _{max}	Zu _{max}	hu		
062.25.0886.106.11.1504	109	980	784	77	944	850	36	17.5	16	6	885	887	67	56	21	10	800	8	100	- 0	-	62	28.00	56.00	22	24	820	5	
062.25.0886.109.21.1504	109	980	784	77	944	850	36	17.5	16	6	885	887	67	56	21	10	800	8	100	- 0	-	62	43.13	86.26	22	24	820	5	
062.25.1077.308.11.1504	148	1170	960	84	1134	1040	36	17.5	16	6	1076	1078	66	64	20	18	980	10	98	- 0	-	61	34.60	69.20	23	24	1010	5	
062.425.1077.304.21.1504	148	1170	960	84	1134	1040	36	17.5	16	6	1076	1078	66	64	20	18	980	10	98	- 0	-	61	53.15	106.3	23	24	1010	5	



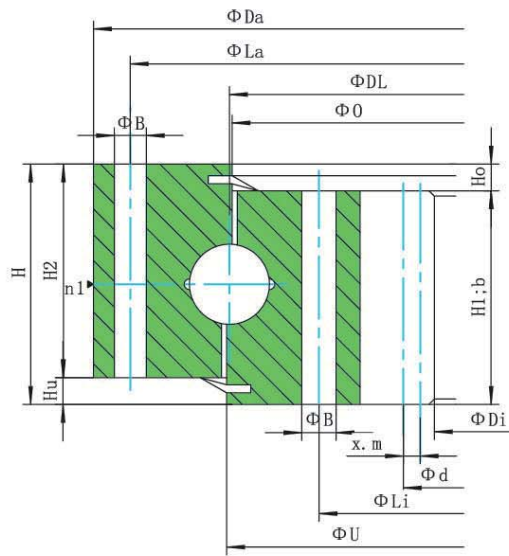
Static load curve ——— raceway ——— bolt



Inner gear																										
Drawing No.	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of bolt hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner height difference	Outer ring height difference	Gear	Module	Teeth no.	Variable volume	Carling quantitative	Teeth width	Normal load	Maximum load	Load curve	
$D_{1(100)}$	(kg)	$D_{a(100)}$	$D_{k(100)}$	$H_{(100)}$	$L_{u(100)}$	$L_{i(100)}$	n	$B_{(100)}$	$M_{(100)}$	$n1$	$O_{(100)}$	$U_{(100)}$	$H_{1(100)}$	$H_{2(100)}$	$H_{3(100)}$	$H_{4(100)}$	$d_{(100)}$	$m_{(100)}$	z	$x * m_{(100)}$	$k * m_{(100)}$	$b_{(100)}$	(KN)	(KN)		
062.20.0400.000.11.1503	33	475	300	55	448	352	16	13.5	12	2	399	401	46	46	9	9	305	5	61	-2.5	-	46	14,44	28,88	24	
062.20.0400.001.21.1503																							22,22	44,44		
062.20.0450.000.11.1503	38	531	345	55	500	400	16	15.5	14	2	449	451	46	46	9	9	350	5	70	-2.5	-	46	14,44	28,88	25	
062.20.0450.001.21.1503																							22,22	44,44		
062.20.0560.000.11.1503	51	641	450	55	610	510	20	15.5	14	4	559	561	46	46	9	9	456	6	76	-3	-	46	17,33	34,66	26	
062.20.0560.001.21.1503																							26,66	53,32		
062.20.0630.000.11.1503	59	717	516	55	682	578	20	17.5	16	4	629	631	46	46	9	9	522	6	87	-3	-	46	17,33	34,66	27	
062.20.0630.001.21.1503																							26,66	53,32		
062.20.0710.000.11.1503	68	797	594	55	762	658	24	17.5	16	4	709	711	46	46	9	9	600	6	100	-3	-	46	17,33	34,66	28	
062.20.0710.001.21.1503																							26,66	53,32		

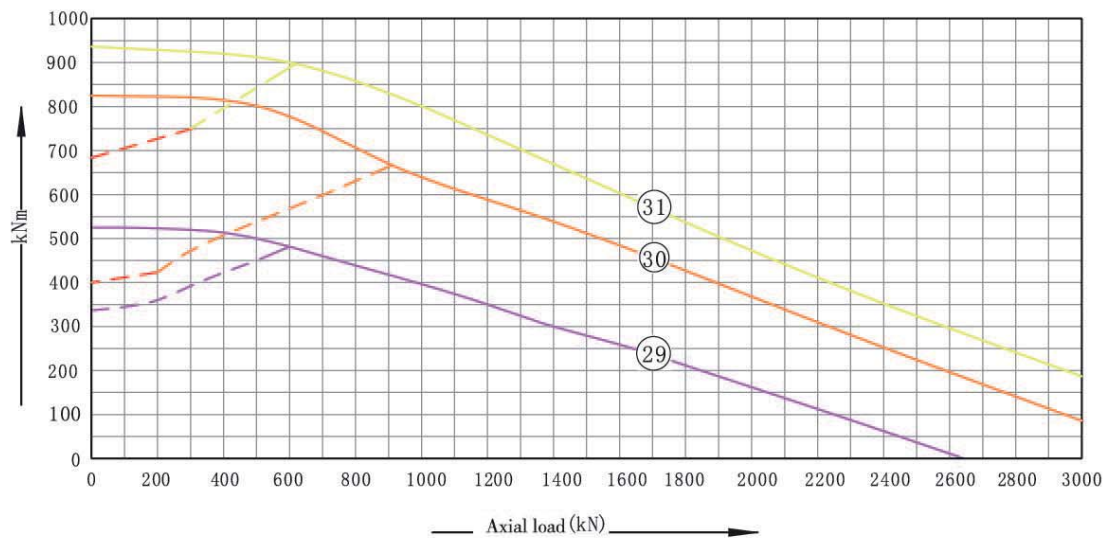


Drawing No.		Inner gear																							
Raceway center distance	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of bolt hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner ring height difference	Outer ring height difference	Gear PCO Dia	Module	Tooth no.	Variable volume	Cutting quantitative	Tooth wide	Normal load	Maximum load	Load curve
062.25.0886.800.11.1504	111	980	752	63	944	827	36	17.5	16	4	885	887	54	54	9	9	760	8	95	-4	-	54	27,13	54,26	29
062.25.0886.801.21.1504	140	1169	930	63	1134	1017	36	17.5	16	6	1076	1078	54	54	9	9	940	10	94	-5	-	54	41,74	83,48	30
062.25.1077.890.11.1503	140	1169	930	63	1134	1017	36	17.5	16	6	1076	1078	54	54	9	9	940	10	94	-5	-	54	33,91	67,82	30
062.25.1077.891.21.1503	140	1169	930	63	1134	1017	36	17.5	16	6	1076	1078	54	54	9	9	940	10	94	-5	-	54	52,17	104,34	30
062.25.1180.000.11.1504	185	1287	1020	69	1243	1117	36	22	20	6	1179	1181	60	54	15	9	1030	10	103	-5	-	60	37,65	75,30	31
062.25.1180.001.21.1504	185	1287	1020	69	1243	1117	36	22	20	6	1179	1181	60	54	15	9	1030	10	103	-5	-	60	57,97	115,94	31



— raceway - - - bolt

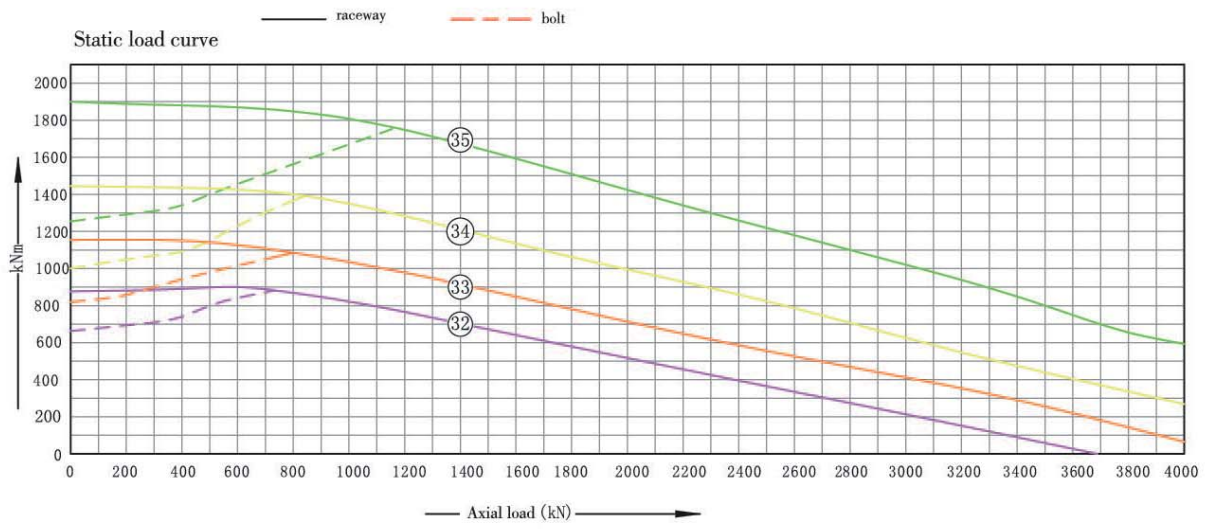
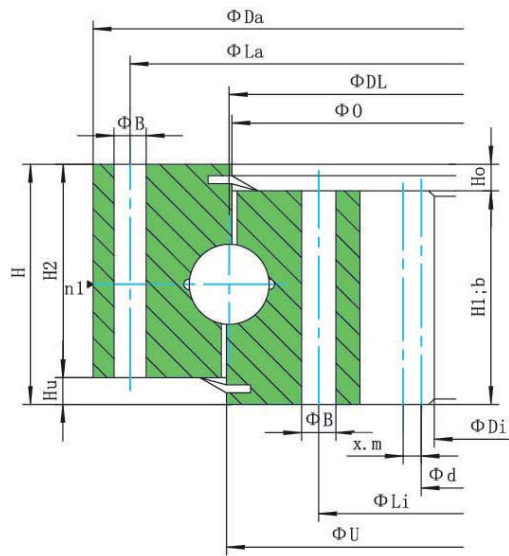
Static load curve



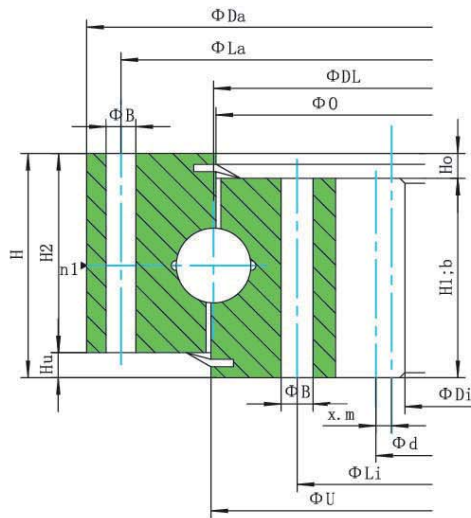
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Thin series products

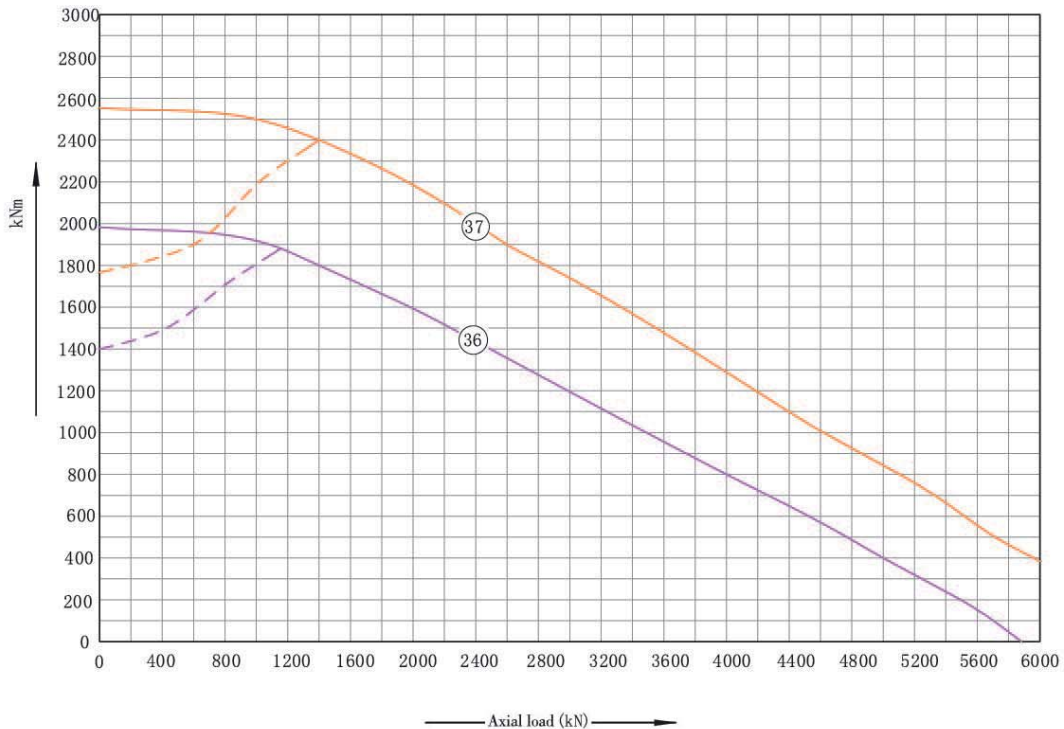
Inner gear																										
Drawing No.	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of bolt hole	Bolt size	Grease no.	Diameter	Diameter	Single ring height	Single ring height	Inner height difference	Outer ring height difference	Gear	Module	Teeth no.	Vehicle volume	Cutting quantitative	Teeth wide	Normal load	Maximum load	Load curve	
Receaway center distance	(kg)	$D_{e1}(mm)$	$D_{i1}(mm)$	$H_1(mm)$	$L_{u1}(mm)$	$L_{i1}(mm)$	n	$B_1(mm)$	$M_1(mm)$	n_1	$O_1(mm)$	$U_1(mm)$	$H_{11}(mm)$	$H_{12}(mm)$	$H_{13}(mm)$	$H_{14}(mm)$	$d_1(mm)$	$m_1(mm)$	z	$x^*m_1(mm)$	$k^*m_1(mm)$	$b_1(mm)$	(KN)	(KN)		
062.30.1120.000.11.1504	206	1232	960	79	1188	1052	36	22	20	6	1118	1121	70	63	16	9	970	10	97	-5	-	70	43,95	87,90	32	
062.30.1120.001.21.1504																										
062.30.1250.000.11.1504	231	1362	1090	79	1318	1182	40	22	20	8	1248	1251	70	63	16	9	1100	10	110	-5	-	70	43,95	87,90	33	
062.30.1250.001.21.1504																										
062.30.1400.000.11.1504	296	1512	1224	89	1468	1332	44	22	20	11	1398	1401	80	63	26	9	1236	12	103	-6	-	80	60,30	120,60	34	
062.30.1400.001.21.1504																										
062.30.1600.000.11.1504	334	1712	1428	89	1668	1532	48	22	20	8	1598	1601	80	63	26	9	1440	12	120	-6	-	80	60,30	120,60	35	
062.30.1600.001.21.1504																							88,10	176,20		



Drawing No .		Inner gear																							
Raceway center distance	Weight	Outer diameter	Inner diameter	Total height	Outer ring rounding hole	Inner ring rounding hole	Mounting hole number	Diameter of bolt hole	Bolt size	Greaser no.	Diameter	Diameter	Single ring height	Single ring height	Inner height difference	Outer ring height difference	Gear	Module	Teeth no.	Variable volume	Cutting quantitative	Teeth wide	Normal load	Maximum load	Load curve
		$D_{s(mm)}$	$D_{e(mm)}$	$D_{i(mm)}$	$H_{1(mm)}$	$L_{1(mm)}$	$L_{2(mm)}$	n	$B_{1(mm)}$	$M_{1(mm)}$	n_1	$O_{1(mm)}$	$U_{1(mm)}$	$H_{11(mm)}$	$H_{21(mm)}$	$H_{12(mm)}$	$H_{22(mm)}$	$d_{1(mm)}$	$m_{1(mm)}$	z	$x^*m_{1(mm)}$	$k^*m_{1(mm)}$	$b_{1(mm)}$	(KN)	(KN)
062.40.1500.000.19.1504	410	1634	1308	94	1582	1418	40	26	24	8	1498	1501	85	81	13	9	1320	12	110	-6	-	85	64,0	128,1	36
062.40.1500.001.29.1504																							93,6	187,2	
062.40.1700.007.19.1503	475	1834	1498	94	1782	1618	44	26	24	11	1698	1701	85	81	13	9	1512	14	108	-7	-	85	74,7	149,4	37
062.40.1700.008.29.1503																							109,2	218,4	



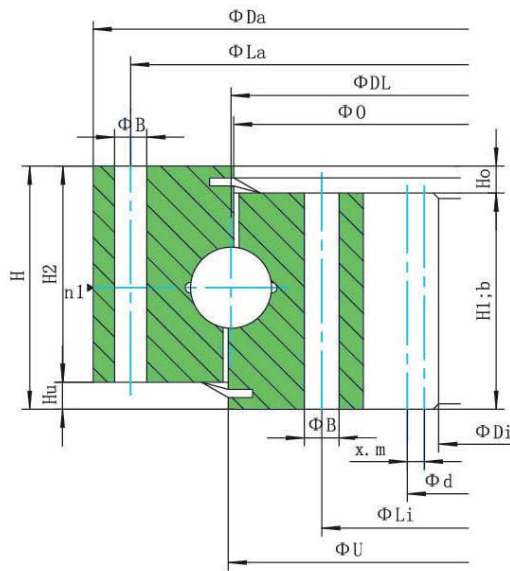
Static load curve ——— raceway ——— bolt



3

Thin series products

Drawing No .		Inner gear																									
Raceway center distance	Weight	Outer diameter	Inner diameter	Total height	Outer ring mounting hole	Inner ring mounting hole	Mounting hole number	Diameter of bolt hole	Bolt size	Grease no.	Diameter	Diameter	Single ring height	Single ring height	Inner height difference	Outer ring height difference	Gear	Module	Teeth no.	Variable volume	Carling quantities	Teeth width	Normal load	Maximum load	Load curve		
		$D_{o(mm)}$	$D_{i(mm)}$	$H_{(mm)}$	$L_{d(mm)}$	$L_{i(mm)}$	n	$B_{(mm)}$	$M_{(mm)}$	n_1	$O_{(mm)}$	$U_{(mm)}$	$H_1_{(mm)}$	$H_2_{(mm)}$	$H_{u(mm)}$	$H_{l(mm)}$	$d_{(mm)}$	$m_{(mm)}$	z	$x \cdot m_{(mm)}$	$k \cdot m_{(mm)}$	$b_{(mm)}$	(KN)	(KN)			
062.50.1800.001.49.1504	762	1971	1554	109	1905	1695	36	33	30	9	1798	1802	100	99	10	9	1568	14	112	-7	-	100	128,5	257,0	38		
062.50.2000.001.49.1504	843	2171	1764	109	2105	1895	40	33	30	8	1998	2002	100	99	10	9	1778	14	127	-7	-	100	128,5	257,0	39		
062.50.2240.001.49.1504	961	2411	1984	109	2345	2135	48	33	30	8	2238	2242	100	99	10	9	2000	16	125	-8	-	100	146,8	293,6	40		
062.50.2490.001.49.1504	1053	2661	2240	109	2595	2385	54	33	30	9	2488	2492	100	99	10	9	2256	16	141	-8	-	100	146,8	293,6	41		
062.50.2800.001.49.1504	1205	2971	2544	109	2905	2695	60	33	30	12	2798	2802	100	99	10	9	2560	16	160	-8	-	100	146,8	293,6	42		



Static load curve ——— raceway ——— bolt

