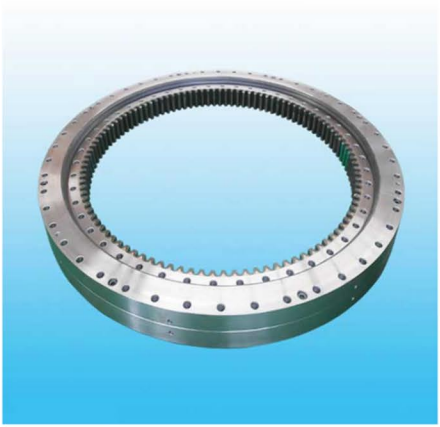
Double Row Ball Bearing Internal Gear



Double row ball slewing bearing has three seat ring, the steel ball and the spacing block can be directly arrange into the upper and lower races, two rows of upper and lower steel balls with differently diameter are fitted according to the stress condition.

This kind of open assemly is very convenient, for the upper and lower bear raceway arc angles is 90, which can bear large axial forces and tilting moment. When the radial force is greater than 0.1 times the axial force need to be specially designed the raceway.

Double row different ball slewing bearing's axial and radial size are relatively large and solid in structure, so it is specially fpr the medium diameter tower cranes,truck mounted cranes etc.loading and unloading machinery.

Wight/KG:100-4700

No	Internal Gear DL mm	Dimensions D mm	d mm	H mm	Mounting Dimension D1 mm	D2 mm	n	mm	Structural Dimension n1 mm	H1 mm	h mm	Gear Data b mm	x	m mm	D e mm	z	Gear circumferential force Normalizing Z 104N	Quenching T 104N	Weight kg
1	023.25.500	616	384	106	580	420	20	18	4	96	26	60	0.5	5	257	72	3.7	5.2	100
	024.25.500													6	350.4	59	4.5	6.2	
2	023.25.560	676	444	106	640	480	20	18	4	96	26	60	0.5	5	417	84	3.7	5.2	115
	024.25.560													6	410.4	69	4.5	6.2	
3	023.25.630	746	514	106	710	550	24	18	4	96	26	60	0.5	6	482.4	81	4.5	6.2	130
	024.25.630													8	475.2	60	6	8.3	
4	023.25.710	826	594	106	790	630	24	18	4	96	26	60	0.5	6	560.4	94	4.5	6.2	140
	024.25.710													8	555.2	70	6	8.3	
5	023.30.800	942	658	124	898	702	30	22	6	114	29	80	0.5	8	619.2	78	8	11.1	200
	024.30.800													10	614	62	10	14	
6	023.30.900	1042	758	124	998	802	30	22	6	114	29	80	0.5	8	715.2	90	8	11.1	250
	024.30.900													10	714	72	10	14	
7	023.30.1000	1142	858	124	1098	902	36	22	6	114	29	80	0.5	10	814	82	10	14	300
	024.30.1000													12	796.8	67	12	16.7	
8	023.30.1120	1262	978	124	1218	1022	36	22	6	114	29	80	0.5	10	924	93	10	14	340
	024.30.1120													12	916.8	77	12	16.7	
9	023.40.1250	1426	1074	160	1374	1126	40	26	5	150	39	90	0.5	12	1012.8	85	13.5	18.8	580
	024.40.1250													14	1013.6	73	15.8	21.9	
10	023.40.1400	1576	1224	160	1524	1272	40	26	5	150	39	90	0.5	12	1156.8	97	13.5	18.8	650
	024.40.1400													14	1153.6	83	15.8	21.9	
11	023.40.1600	1776	1424	160	1724	1476	45	26	5	150	39	90	0.5	14	1349.6	97	15.8	21.9	750
	024.40.1600													16	1350.4	85	18.1	25	
12	023.40.1800	1976	1624	160	1924	1676	45	26	5	150	39	90	0.5	14	1545.6	111	15.8	21.9	820
	024.40.1800													16	1542.4	97	18.1	25	
13	023.50.2000	2215	1785	190	2149	1851	48	33	8	178	47	120	0.5	16	1702.4	107	24.1	33.3	1150
	024.50.2000													18	1699.2	95	27.1	37.5	
14	023.50.2240	2455	2025	190	2389	2091	48	33	8	178	47	120	0.5	16	1942.4	122	24.1	33.3	1500
	024.50.2240													18	1933.2	108	27.1	37.5	
15	023.50.2500	2715	2285	190	2649	2351	56	33	8	178	47	120	0.5	18	2203.2	123	27.1	37.5	1700
	024.50.2500													20	2188	110	30.1	41.8	
16	023.50.2800	3015	2585	190	2949	2651	56	33	8	178	47	120	0.5	18	2491.2	139	27.1	37.5	1900
	024.50.2800													20	2488	125	30.1	41.8	
17	023.60.3150	3428	2872	226	3338	2962	56	45	8	214	56	150	0.5	20	2768	139	37.7	52.2	3300
	024.60.3150													22	2758.8	126	41.5	57.4	
18	023.60.3550	3828	3272	226	3738	3362	56	45	8	214	56	150	0.5	20	3168	159	37.7	52.2	3700
	024.60.3550													22	3176.8	145	41.5	57.4	
19	023.60.4000	4278	3722	226	4188	3812	60	45	10	214	56	150	0.5	22	3616.8	165	41.5	57.4	4200
	024.60.4000													25	3610	145	47.1	65.2	
20	023.60.4500	4778	4222	226	4688	4312	60	45	10	214	56	150	0.5	22	4122.8	188	41.5	57.4	4700
	024.60.4500													25	4110	165	47.1	65.2	

Note:

1. N1 is the numbers of lubricating holes. Oil cup M10×1JB/T7940.1~JB/T7940.

2. The Oil nipple's location can be change according to the user's application.

3. n-φ can change to tapped hole, the diameter of tapped hole is M, and depth is 2M.

4. The tangential tooth force in the form is the max tooth force; the nominal tangential tooth force is 1/2 of the max one.

5. "K" is addendum reduction coefficient.

Double Row Ball Bearing Without Gear

Double row ball slewing bearing has three seat ring, the steel ball and the spacing block can be directly arrange into the upper and lower races, two rows of upper and lower steel balls with differently diameter are fitted according to the stress condition.

This kind of open assemly is very convenient, for the upper and lower bear raceway arc angles is 90, which can bear large axial forces and tilting moment. When the radial force is greater than 0.1 times the axial force need to be specially designed the raceway.

Double row different ball slewing bearing's axial and radial size are relatively large and solid in structure, so it is specially fpr the medium diameter tower cranes,truck mounted cranes etc.loading and unloading machinery.

Wight/KG:100-4700

No	Non Gear DL mm	Dimensions mm			Mounting Dimension				Structural Dimension			Weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	mm	n1 mm	H1 mm	h mm	
1	020.25.500	616	384	106	580	420	20	18	4	96	26	100
2	020.25.560	676	444	106	640	480	20	18	4	96	26	115
3	020.25.630	746	514	106	710	550	24	18	4	96	26	130
4	020.25.710	826	594	106	790	630	24	18	4	96	26	140
5	020.30.800	942	658	124	898	702	30	22	6	114	29	200
6	020.30.900	1042	758	124	998	802	30	22	6	114	29	250
7	020.30.1000	1142	858	124	1098	902	36	22	6	114	29	300
8	020.30.1120	1262	978	124	1218	1022	36	22	6	114	29	340
9	020.40.1250	1426	1074	160	1374	1126	40	26	5	150	39	580
10	020.40.1400	1576	1224	160	1524	1272	40	26	5	150	39	650
11	020.40.1600	1776	1424	160	1724	1476	45	26	5	150	39	750
12	020.40.1800	1976	1624	160	1924	1676	45	26	5	150	39	820
13	020.50.2000	2215	1785	190	2149	1851	48	33	8	178	47	1150
14	020.50.2240	2455	2025	190	2389	2091	48	33	8	178	47	1500
15	020.50.2500	2715	2285	190	2649	2351	56	33	8	178	47	1700
16	020.50.2800	3015	2585	190	2949	2651	56	33	8	178	47	1900
17	020.60.3150	3428	2872	226	3338	2962	56	45	8	214	56	3300
18	020.60.3550	3828	3272	226	3738	3362	56	45	8	214	56	3700
19	020.60.4000	4278	3722	226	4188	3812	60	45	10	214	56	4200
20	020.60.4500	4778	4222	226	4688	4312	60	45	10	214	56	4700

Note:

1. N1 is the numbers of lubricating holes. Oil cup M10×1JB/T7940.1~JB/T7940.

2. The Oil nipple's location can be change according to the user's application.

3. n-φ can change to tapped hole, the diameter of tapped hole is M, and depth is 2M.

4. The tangential tooth force in the form is the max tooth force; the nominal tangential tooth force is 1/2 of the max one.

5. "K" is addendum reduction coefficient.

Double Row Ball Slewing Bearing (H-07) External Gear

The Thin Section Slewing Bearing has the same structure with ordinary slewing bearing,but the weight is light,and rotate flexibly

Tytle: **H071**

Wight/KG:80-240

Strengths:The Oil nipple's location can be change according to the user's application.

Application:

1. food machinaery,

2.canning machinery

3.environmental machinery etc.

Model	Dimensions (mm)							Mounting dimension (mm)					
	Da	O	U	Di	Ha	Hb	H	La	na	da	Li	ni	di
H071.22.372	504	466	374	278	75	87	95	430	16	18	314	16	18
H071.22.476	608	570	478	382	75	87	95	534	24	18	418	24	18
H071.22.580	712	674	582	486	76	88	98	638	24	18	522	24	18
H071.22.948	1080	1042	950	854	76	88	98	1006	30	18	890	30	18
H071.221064	1200	1162	1066	966	78	88	98	1124	36	20	1004	36	20

Model	Gear Data			Gear force(KN)		Weight
	P(mm)	Module	Z(teeth no.)	Allowed	Max	Kg
H071.22.372	488	8	61	31	62	80
H071.22.476	592	8	74	31	62	100
H071.22.580	696	8	87	32	64	126
H071.22.948	1064	8	133	32	64	208
H071.221064	1184	8	148	33	66	240

Double Row Ball Slewing Bearing (H-07) Internal Gear

Double row ball slewing bearing, slewing ring has three seat rings, the steel ball and spacers can be directly arranged into the upper and lower race, and the steel ball has two different size.

Double row different ball slewing bearing , slewing ring's axial and radial loads are relatively large, it is specially suitable for the medium diameter tower cranes, truck mounted cranes etc.

Model	Dimensions (mm)							Mounting dimension (mm)					
	Da	O	U	Di	Ha	Hb	H	La	na	da	Li	ni	di
H073.22.0196	1010	822	918	786	80	88	98	974	36	18	858	36	18
H073.25.1105	1202	1008	1115	962	88	98	110	1166	36	18	1044	36	18
H073.30.1220	1332	1108	1222	1062	98	110	120	1290	48	22	1150	48	22
H073.30.1593	1713	1473	1595	1418.4	98	110	120	1667	48	26	1519	48	26

Model	Gear Data			Gear force(KN)		Weight
	P(mm)	Module	Z(teeth no.)	Allowed	Max	Kg
H073.22.0196	800	8	100	36.2	72.4	194
H073.25.1105	980	10	98	45	90	297
H073.30.1220	1080	10	108	68.9	137.8	387
H073.30.1593	1440	12	120	92	184	549