



1	010.20.200	011.20.200		280	120	60	248	152	12	16	2	201	199	50	10	40	0	3	300	98						
2	010.20.224	011.20.224		304	144	60	272	176	12	16	2	225	223	50	10	40	0	3	312	105						
3	010.20.250	011.20.250		330	170	60	298	202	18	16	2	251	249	50	10	40	0	4	352	86						
4	010.20.280	011.20.280		360	200	60	328	232	18	16	2	281	279	50	10	40	0	4	384	94						
5	010.25.315	011.25.315	013.25.315	408	222	70	372	258	20	18	2	316	314	60	10	50	0	5	435	85	190	40				
6	010.25.355	011.25.355	013.25.355	448	262	70	412	298	20	18	2	356	354	60	10	50	0	5	475	93	235	49				
7	010.25.400	011.25.400	013.25.400	493	307	70	457	343	24	18	2	401	399	60	10	50	0	6	528	86	276	48				
8	010.25.450	011.25.450	013.25.450	543	357	70	507	393	24	18	2	451	449	100	10	50	0	6	576	94	324	56				
9	010.30.500	011.30.500 012.30.500	013.30.500 014.30.500	602	398	80	566	434	20	18	4	501	498	70	10	60	+0.5	5 6	629 628.8	123 102	367 368.4	74 62	3.7 4.5	5.2 6.2	85	
9'	010.25.500	011.25.500 012.25.500	013.25.500 014.25.500	602	398	80	566	434	20	18	4	501	499	70	10	60	+0.5	5 6	629 628.8	123 102	367 368.4	74 62	3.7 4.5	5.2 6.2	85	
10	010.30.560	011.30.560 012.30.560	013.30.560 014.30.560	662	458	80	626	494	20	18	4	561	558	70	10	60	+0.5	5 6	689 688.8	135 112	427 428.4	86 72	3.7 4.5	5.2 6.2	95	
10'	010.25.560	011.25.560 012.25.560	013.25.560 014.25.560	662	458	80	626	494	20	18	4	561	559	70	10	60	+0.5	5 6	689 688.8	135 112	427 428.4	86 72	3.7 4.5	5.2 6.2	95	
11	010.30.630	011.30.630 012.30.630	013.30.630 014.30.630	732	528	80	696	564	24	18	4	631	628	70	10	60	+0.5	6 8	772.8 774.4	126 94	494 491.2	83 62	4.5 6.0	6.2 8.3	110	
11'	010.25.630	011.25.630 012.25.630	013.25.630 014.25.630	732	528	80	696	564	24	18	4	631	629	70	10	60	+0.5	6 8	772.8 774.4	126 94	494 491.2	83 62	4.5 6.0	6.2 8.3	110	
12	010.30.710	011.30.710 012.30.710	013.30.710 014.30.710	812	608	80	776	644	24	18	4	711	708	70	10	60	+0.5	6 8	850.8 854.4	139 104	572 571.2	96 72	4.5 6.0	6.2 8.3	120	
12'	010.25.710	011.25.710 012.25.710	013.25.710 014.25.710	812	608	80	776	644	24	18	4	711	709	70	10	60	+0.5	6 8	850.8 854.4	139 104	572 571.2	96 72	4.5 6.0	6.2 8.9	120	
13	010.40.800	011.40.800 012.40.800	013.40.800 014.40.800	922	678	100	878	722	30	22	6	801	798	90	10	80	+0.5	8 10	966.4 968	118 94	635 634	80 64	8.0 10.0	11.1 14.0	220	
13'	010.30.800	011.30.800	013.30.800	922	678	100	878	722	30	22	6	801	798	90	10	80	+0.5	8	966	118	635	80	8.0	11.	220	

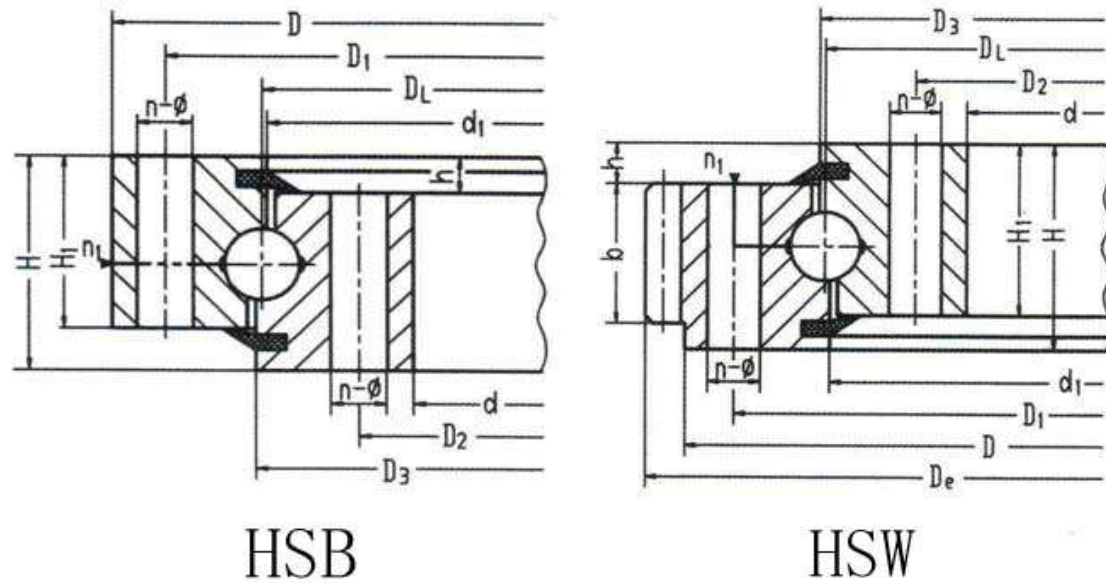


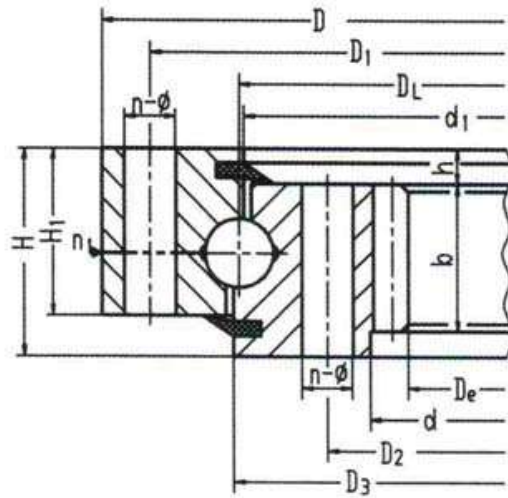
21'	010.40.2000	011.40.2000	013.40.2000	2178	1825	144	2110	1891	4833	8	2001	1998	132	12	120	+0.5	16	2268.8	139	1734.4	109	24.1	33.3	1100
		012.40.2000	014.40.2000														18	2264.4	123	1735.2	97	27.1	37.5	
22	010.60.2240	011.60.2240	013.60.2240	2418	2065	144	2350	2131	4833	8	2242	2238	132	12	120	+0.5	16	2492.8	153	1990.4	125	24.1	33.3	1250
		012.60.2240	014.60.2240														18	2498.4	136	1987.2	111	27.1	37.5	
22'	010.40.2240	011.40.2240	013.40.2240	2418	2065	144	2350	2131	4833	8	2241	2238	132	12	120	+0.5	16	2492.8	153	1990.4	125	24.1	33.3	1250
		012.40.2240	014.40.2240														18	2498.4	136	1987.2	111	27.1	37.5	
23	010.60.2500	011.60.2500	013.60.2500	2678	2325	144	2610	2391	5633	8	2502	2498	132	12	120	+0.5	18	2768.4	151	2239.2	125	27.1	37.5	1400
		012.60.2500	014.60.2500														20	2776	136	2228	112	30.1	41.8	
23'	010.40.2500	011.40.2500	013.40.2500	2678	2325	144	2610	2391	5633	8	2501	2498	132	12	120	+0.5	18	2768.4	151	2239.2	125	27.1	37.5	1400
		012.40.2500	014.40.2500														20	2776	136	2228	112	30.1	41.8	
24	010.60.2800	011.60.2800	013.60.2800	2978	2625	144	2910	2691	5633	8	2802	2798	132	12	120	+0.5	18	3074.4	168	2527.2	141	27.1	37.5	1600
		012.60.2800	014.60.2800														20	3076	151	2528	127	30.1	41.8	
24'	010.40.2800	011.40.2800	013.40.2800	2978	2625	144	2910	2691	5633	8	2802	2798	132	12	120	+0.5	18	3074.4	168	2527.2	141	27.1	37.5	1600
		012.40.2800	014.40.2800														20	3076	151	2528	127	30.1	41.8	

### Single-row spherical type (HS series)

#### CHARACTERISTIC OF STRUCTURE, PERFORMANCE AND APPLICATION

The single-row four point contact ball slewing ring is composed of two seat-rings. It features compact in design, light in weight, the balls contact with the circular raceway at four points, via which the axial force, radial force and resultant moment may be born simultaneously. It may be used for slewing conveyers, welding operating consoles, light, medium duty cranes, excavators and other engineering machines.





HSN

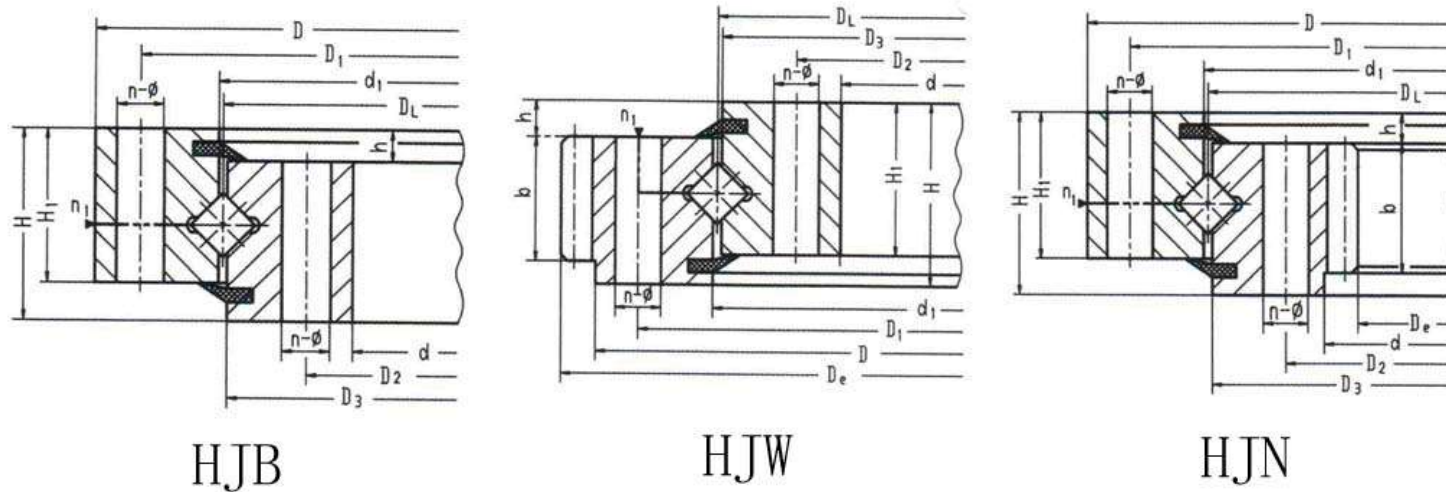
No.	Basic type			Configuration							Mounting Size				sturctural size		Ext Gear		Int Gear		Int Gear		Weightkg
	Toothless	Ext Toothless	Int Toothless	D	d	H	D1	D2	n	f	n1	H1	h	b	m	x	De	Z	x	De	Z		
1	HSB.25.625	HSW.25.625	HSN.25.625	725	525	80	685	565	18	18	3	68	12	60	5	+1.4	751.9	146	+0.35	498.8	101	170	
		HSW.25.625A	HSN.25.625A														755.5	122	+0.35	496.7	84		
2	HSB.25.720	HSW.25.720	HSN.25.720	820	620	80	780	660	18	18	3	68	12	60	6	+1.4	860.3	139	+0.35	586.6	99	190	
		HSW.25.720A	HSN.25.720A														861.1	104	+0.35	582.3	74		
3	HSB.30.820	HSW.30.820	HSN.30.820	940	705	95	893	749	24	20	4	83	12	70	6	+1.4	980.6	159	+0.35	664.5	112	220	

		HSW.30.820A	HSN.30.820A													10	+1.0	986.2	95	+0.35	658.0	67	
4	HSB.30.(32)880	HSW.30.(32)880	HSN.30.(32)880	1000	760	95	956	800	24	20	4	83	12	70	8	+1.15	1047.5	127	+0.35	718.2	91	230	
		HSW.30.(32)880A	HSN.30.(32)880A												10	+1.0	1046.3	101	+0.35	707.9	72		
5	HSB.30.(32)1020	HSW.30.(32)1020	HSN.30.(32)1020	1170	875	95	1120	930	24	22	4	80	15	70	8	+1.4	1219.3	148	+0.35	830.1	105	310	
		HSW.30.(32)1020A	HSN.30.(32)1020A												10	+1.15	1219.2	118	+0.35	827.8	84		
6	HSB.30.(40)1220	HSW.30.(40)1220	HSN.30.(40)1220	1365	1075	120	1310	1130	36	24	6	105	15	90	10	+1.4	1424.9	138	+0.35	1027.8	104	460	
		HSW.30.(40)1220A	HSN.30.(40)1220A												12	+1.0	1435.9	116	+0.35	1017.3	86		
7	HSB.35.(40)1250	HSW.35.(40)1250	HSN.35.(40)1250	1400	1090	120	1350	1150	36	26	6	105	15	90	10	-0.35	1443	143	+0.35	1037	105	480	
		HSW.35.(40)1250A	HSN.35.(40)1250A												12	+1.0	1449.6	117	+0.35	1036.8	86		
8	HSB.35.(40)1435	HSW.35.(40)1435	HSN.35.(40)1435	1595	1278	120	1535	1335	36	26	6	105	15	90	12	+1.15	1655.5	134	+0.35	1221.2	103	570	
		HSW.35.(40)1435A	HSN.35.(40)1435A												14	+1.0	1661.2	115	+0.35	1214.8	88		
9	HSB.35.(50)1540	HSW.35.(50)1540	HSN.35.(50)1540	1720	1360	140	1660	1420	42	26	6	122	18	110	12	+1.4	1780.8	144	+0.35	1293.1	109	860	
		HSW.35.(50)1540A	HSN.35.(50)1540A												14	+1.15	1791.1	124	+0.35	1284.8	93		
10	HSB.35.(50)1700	HSW.35.(50)1700	HSN.35.(50)1700	1875	1525	140	1815	1585	42	29	6	122	18	110	14	+1.15	1945.4	135	+0.35	1452.7	105	880	
		HSW.35.(50)1700A	HSN.35.(50)1700A												16	+1.15	1950.8	118	+0.35	1452.3	92		
11	HSB.40.(50)1880	HSW.40.(50)1880	HSN.40.(50)1880	2100	1665	160	2030	1740	48	32	6	140	20	115	14	+1.4	2189.8	152	+0.35	1592.6	115	1290	
		HSW.40.(50)1880A	HSN.40.(50)1880A												18	+1.15	2194.6	118	+0.35	1579.9	89		
12	HSB.40.(50)2115	HSW.40.(50)2115	HSN.40.(50)2115	2325	1900	160	2245	1980	48	32	6	140	20	115	16	+1.4	2406.5	146	+0.35	1804.1	114	1430	
		HSW.40.(50)2115A	HSN.40.(50)2115A												20	+1.15	2418.4	117	+0.35	1795.4	91		
13	HSB.40.(60)2370	HSW.40.(60)2370	HSN.40.(60)2370	2600	2146	180	2520	2220	48	32	6	158	22	130	18	+1.4	2707.3	146	+0.35	2065.6	116	1950	
		HSW.40.(60)2370A	HSN.40.(60)2370A												22	+1.15	2704.4	119	+0.35	2040.9	94		
14	HSB.40.(60)2600	HSW.40.(60)2600	HSN.40.(60)2600	2835	2365	180	2750	2450	54	36	6	158	22	130	18	+1.4	2941.7	159	+0.35	2263.5	127	2180	
		HSW.40.(60)2600A	HSN.40.(60)2600A												22	+1.15	2946.9	130	+0.35	2260.8	104		
15	HSB.50.(60)2820	HSW.50.(60)2820	HSN.50.(60)2820	3085	2555	200	3000	2640	54	36	6	178	22	150	20	+1.4	3188.4	155	+0.35	2455	124	2520	
		HSW.50.(60)2820A	HSN.50.(60)2820A												25	+1.15	3198.4	124	+0.35	2444.1	99		
16		HSW.40.1250		1415	1084	110	1350	1150	1252	24.28	6	89	21	77	10	+0.86	1476	144				510	
17		HSW.40.1390		1551	1206	130	1500	1280	1241	24.26	6	107	23	85	10	+0.75	1604	157				630	
18			HSN.50.1830	2002	1665	150	1940	1940	1832	54	6	125	25	100	12	+1.00					1610	135	920

### Crossover rolling type (HJ series)

#### CHARACTERISTIC OF STRUCTURE, PERFORMANCE AND APPLICATION

The single-row four point contact ball slewing ring is composed of two seat-rings. It features compact in design, light in weight, the balls contact with the circular raceway at four points, via which the axial force, radial force and resultant moment may be born simultaneously. It may be used for slewing conveyers, welding operating consoles, light, medium duty cranes, excavators and other engineering machines.



No.	Basic type			Configuration		Mounting Size				sturctural size				Gear Date		Ext Gear		Int Gear		Tangential Tooth load		weight (kg)			
	DL mm	Ext Toothless DL mm	Int Toothless DL mm	D mm	d mm	H mm	D1 mm	D2 mm	n	F mm	n1	d1 mm	D3 mm	H1 mm	h mm	b mm	x	m mm	De mm	Z	De mm		Z	Nomalizing 10 <sup>4</sup> N	Tempering 10 <sup>4</sup> N
1	HJB.20.625	HJW.20.625	HJN.20.625	725	525	80	685	565	18	18	3	627	623	68	12	60	+1.4	5	751.9	146	498.8	101		5.2	100
		HJW.20.625A	HJN.20.625A																				755.5	122	
2	HJB.20.720	HJW.20.720	HJN.20.720	820	620	80	780	660	18	18	3	722	718	68	12	60	+1.4	6	860.3	139	586.6	99		6.2	120
		HJW.20.720A	HJN.20.720A																				861.1	104	
3	HJB.30.820	HJW.30.820	HJN.30.820	940	705	95	893	749	24	20	4	822	818	83	12	70	+1.4	6	980.6	159	664.5	112		7.2	210

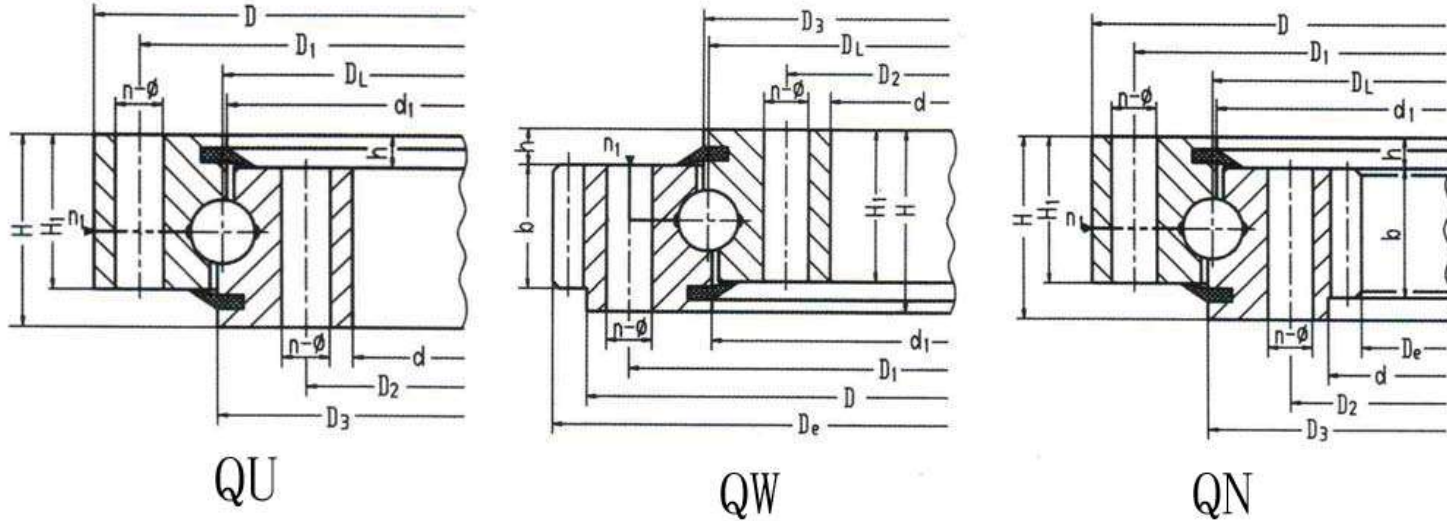




### Single-row spherical type (QU QW QN series)

#### CHARACTERISTIC OF STRUCTURE, PERFORMANCE AND APPLICATION

The single-row four point contact ball slewing ring is composed of two seat-rings. It features compact in design, light in weight, the balls contact with the circular raceway at four points, via which the axial force, radial force and resultant moment may be born simultaneously. It may be used for slewing conveyers, welding operating consoles, light, medium duty cranes, excavators and other engineering machines.



NO.	Basic Type	Configuration				Mouning Size					Styuctural Size					Gear Data				Weight(kg)			
		Ext Toothing		Int Toothing		H	D <sub>1</sub>	D <sub>2</sub>	n	f	M	n <sub>1</sub>	D <sub>3</sub>	d <sub>1</sub>	H <sub>1</sub>	h	b	m	Ext		Int		Ext
D	d	D	d	X=-0.5	X=+0.5														De	Z	De	Z	
1	500.20	590	407	593	410	60	555	445	14	f	M	24	501	499	50	40	5	615	122	385	78	56	55
	500.20A																	624	103	378	64		
2	560.20	654	464	656	468	70	618	502	14	f	M16	30	561	599	60	10	4	680	169	440	111	78	76
	560.20A																	685	136	435	88		
3	630.20	724	534	726	538	70	688	572	16	f	M	30	631	629	60	50	4	748	186	512	129	86	84
	630.20A																	755	150	505	102		

4	710.20	804	614	806	618	70	768	652	18			30	711	709				5	835	166	585	118	99	97
	710.20A																		840	139	582	98	101	97
5	800.20	894	704	896	708	70	858	742	20			30	801	799				6	930	154	672	113	114	110
	800.20A																		936	116	664	84	114	111
6	800.25	904	692	908	694	78	864	736	18			36	801	799				6	942	156	654	110	143	142
	800.25A																		801	799	8	952	118	648
7	900.25	1004	792	1008	794	78	964	836	20	22	M20	36	901	899	68		58	8	1048	130	744	94	162	163
	900.25A																		901	899	10	1060	105	740
8	1000.25	1104	892	1108	894	78	1064	936	24			36	1001	999				8	1152	143	848	107	182	178
	1000.25A																		1001	999	10	1160	115	840
9	1000.32	1120	876	1124	880	90	1074	926	24				1001	999				8	1160	144	832	105	227	230
	1000.32A																		1001	999	10	1170	116	830
10	1120.32	1240	996	1244	1000	90	1194	1046	28	24	M22	40	1121	1199				10	1300	129	940	95	272	263
	1120.32A																		1121	1199	12	1308	108	936
11	1250.32	1370	1126	1374	1130	90	1324	1176	32				1251	1249	80		70	10	1430	142	1070	108	302	294
	1250.32A																		1251	1249	12	1440	119	1068
12	1400.32	1520	1276	1524	1280	90	1474	1326	36				1401	1399				12	1584	131	1212	102	337	333
	1400.32A																		1401	1399	14	1596	113	1204
13	1250.40	1390	1108	1394	1110	102	1336	1164	32				1251	1249				10	1450	144	1050	106	396	388
	1250.40A																		1251	1249	12	1452	120	1044
14	1400.40	1540	1258	1544	1260	102	1486	1314	36	26	M24	45	1401	1399				12	1608	133	1188	100	448	444
	1400.40A																		1401	1399	14	1610	114	1190
15	1600.40	1740	1458	1744	1460	102	1686	1514	40				1601	1599	90		80	12	1812	150	1392	117	528	509
	1600.40A																		1601	1599	14	1820	129	1386
16	1800.40	1940	1658	1944	1660	102	1886	1714	44				1801	1799				14	2016	143	1582	114	583	576
	1800.40A																		1801	1799	16	2032	126	1568
17	1600.50	1762	1434	1766	1438	124	1704	1496	40				1601	1599				12	1824	151	1368	115	714	714
	1600.50A																		1601	1599	14	1834	130	1358
18	1800.50	1964	1634	1966	1638	124	1904	1696	44	30	M27	50	1801	1799				14	2044	145	1568	113	845	794
	1800.50A																		1801	1799	16	2048	127	1552
19	2000.50	2162	1834	2166	1842	124	2104	1896	48				2001	1999				16	2240	139	1760	111	912	891
	2000.50A																		2001	1999	18	2250	124	1746
20	2240.50	2402	2074	2406	2078	124	2344	2136	54				2241	2239				16	2480	154	1984	125	1020	1044

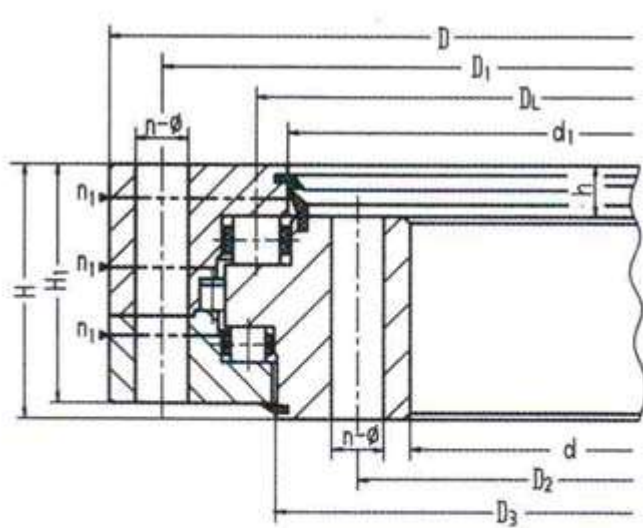


### Three-row rolling type (13 series)

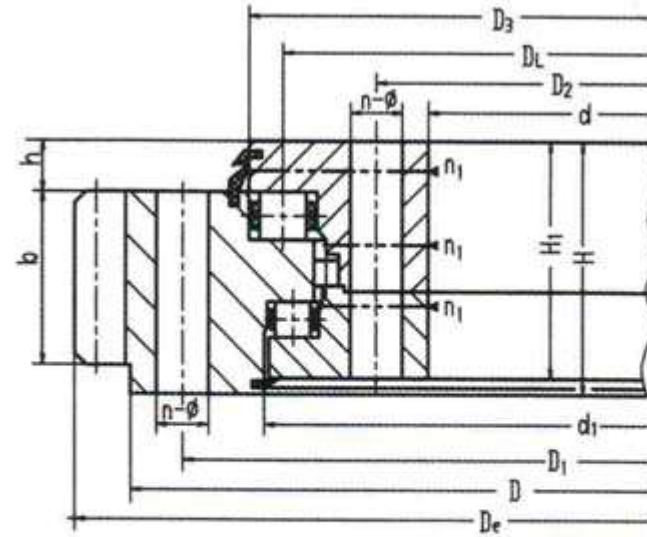
#### CHARACTERISTIC OF STRUCTURE, PERFORMANCE AND APPLICATION

Three-row roller slewing bearing has three seat-rings, which separate the upper, lower and radial races, via which the load of each row of the rollers may be specified. It may bear different loads simultaneously and its load capacity is the largest one among the four models.

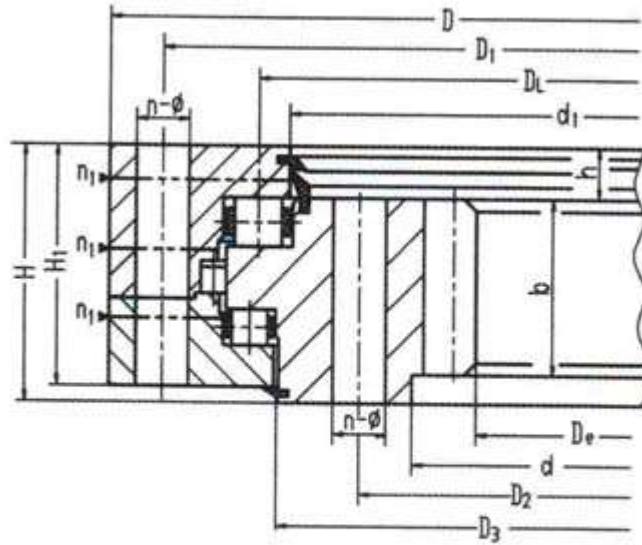
Thanks to the large size of its axle and radius, it is sturdy and especially suitable for heavy-duty machines which require large working radius, such as bucket-wheel excavators, wheeled cranes, ship cranes, ladle turret, heavy-duty mobile cranes etc.



130



131, 132



### 133, 134

No.	Basic Type			Configuration			Mounting Size					structural size		Gear Date		Ext Gear		Int Gear		Weight kg			
	Toothless	Ext Toothless	Int Toothless	D	d	H	D1	D2	n	$\frac{f}{0}$	$\frac{M}{1,2,3}$	n1	H1	h	b	x	m	De	Z		De	Z	
1	130.25.500	131.25.500	133.25.500	634	366	148	598	402	24	18	M16	32	4	138	32	80	+0.5	5	664	130	337	68	224
		6	664.8															108	338.4	57			
2	130.25.560	131.25.560	133.25.560	694	426	148	658	462	24	18	M16	32	4	138	32	80	+0.5	5	724	142	397	80	240
		6	724.8															118	398.4	67			
3	130.25.630	131.25.630	133.25.630	764	496	148	728	532	28	18	M16	32	4	138	32	80	+0.5	6	808.8	132	458.4	77	270
		8	806.4															98	459.2	58			

4	130.25.710	131.25.710	133.25.710	844	576	148	808	612	28	18	M16	32	4	138	32	80	+0.5	6	886.8	145	536.4	90	300
		8	886.4															108	539.2	68			
5	130.32.800	131.32.800	133.32.800	964	636	182	920	680	36	22	M20	40	4	172	40	120	+0.5	8	1006.4	123	595.2	75	500
		10	1008															98	594	60			
6	130.32.900	131.32.900	133.32.900	1064	736	182	1020	780	36	22	M20	40	4	172	40	120	+0.5	8	1102.4	135	691.2	87	600
		10	1108															108	694	70			
7	130.32.1000	131.32.1000	133.32.1000	1164	836	182	1120	880	40	22	M20	40	5	172	40	120	+0.5	10	1218	119	784	79	680
		12	1221.6															99	784.8	66			
8	130.32.1120	131.32.1120	133.32.1120	1284	956	182	1240	1000	40	22	M20	40	5	172	40	120	+0.5	10	1338	131	904	91	820
		12	1341.6															109	904.8	76			
9	130.40.1250	131.40.1250	133.40.1250	1445	1055	220	1393	1107	45	26	M24	48	5	210	50	150	+0.5	12	1509.6	123	988.8	83	1200
		14	1509.2															105	985.6	71			
10	130.40.1400	131.40.1400	133.40.1400	1595	1205	220	1543	1257	45	26	M24	48	5	210	50	150	+0.5	12	1665.6	136	1144.8	96	1300
		14	1663.2															116	1139.6	82			
11	130.40.1600	131.40.1600	133.40.1600	1795	1405	220	1743	1457	48	26	M24	48	6	210	50	150	+0.5	14	1873.2	131	1335.6	96	1520
		16	1868.8															114	1334.4	84			
12	130.40.1800	131.40.1800	133.40.1800	1995	1605	220	1943	1657	48	26	M24	48	6	210	50	150	+0.5	14	2069.2	145	1531.6	110	1750
		16	2076.8															127	1526.4	96			
13	130.45.2000	131.45.2000	133.45.2000	2221	1779	231	2155	1845	60	33	M30	60	6	219	54	160	+0.5	16	2300.8	141	1702.4	107	2400
		18	2300.4															125	1699.2	95			
14	130.45.2240	131.45.2240	133.45.2240	2461	2019	231	2395	2085	60	33	M30	60	6	219	54	160	+0.5	16	2556.8	157	1926.4	121	2700
		18	2552.4															139	1933.2	108			
15	130.45.2500	131.45.2500	133.45.2500	2721	2279	231	2655	2345	72	33	M30	60	8	219	54	160	+0.5	18	2822.4	154	2185.2	122	3000
		20	2816															138	2188	110			
16	130.45.2800	131.45.2800	133.45.2800	3021	2579	231	2955	2645	72	33	M30	60	8	219	54	160	+0.5	18	3110.4	170	2491.2	139	3400
		20	3116															153	2488	125			

### Double-row spherical type (02 series)

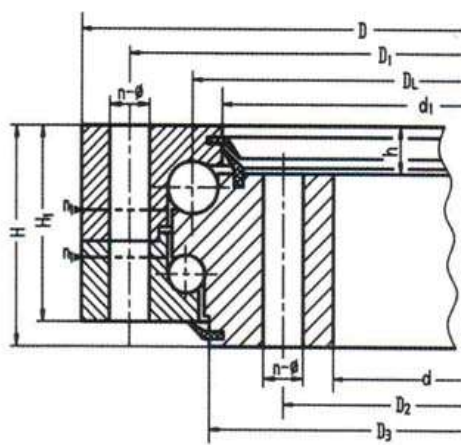
#### CHARACTERISTIC OF STRUCTURE, PERFORMANCE AND APPLICATION

The double-row Ball slewing bearing has three seat-rings. The steel balls and the spacers may be directly arranged into the upper and lower races. Two rows of steel balls with different diameters are fitted according to the force bom.

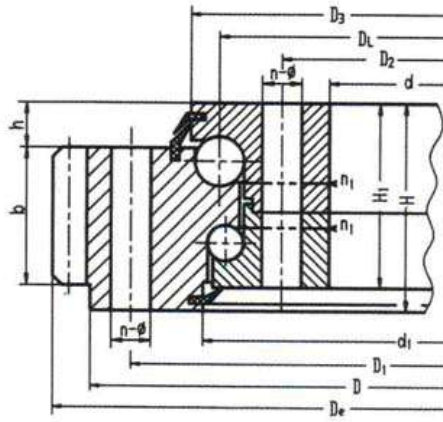
Such open mode fitting features extraordinary convenience. The load angles of both upper and lower races are  $90^\circ$ , which enable the bearing to bear large axial force and the tipping moment.

When the radial force is larger than  $1/10$  of the axial force the races should be newly designed.

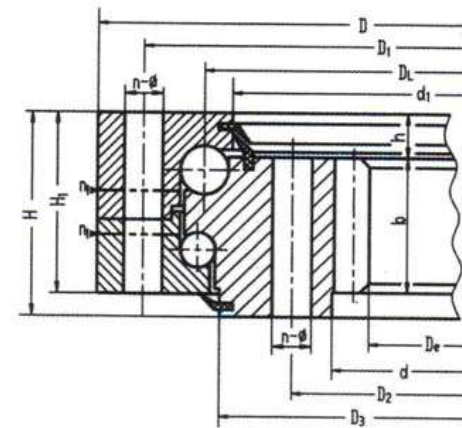
As the axle and the dimension of the double-row ball slewing bearing are rather large, the bearing construction is sturdy, hence it is especially suitable for tower cranes which require working radius over medium range, mobile cranes and loading and unloading machines.



020



021, 022



023, 024

No.	Basic Type			Configuration size			Mounting size					structural				Gear date		Ext Gear		Int Gear		weight kg
	Toothless DL mm	Ext Toothless DL mm	Int Toothless DL mm	D	d	H	D1 mm	D2 mm	dn1 dn2 mm	dm1 dm2 mm	L mm	n	n1	H1	h	b mm	m mm	da mm	Z	da mm	Z	
1	020.25.500	021.25.500	023.25.500	616	384	106	580	420	18	M16	20	4	96	26	60	5	644	126	357	72	100	
		022.25.500	024.25.500													6	646.8	105	350.4	59		
2	020.25.560	021.25.560	023.25.560	676	444	106	640	480	18	M16	20	4	96	26	60	5	704	138	417	84	115	
		022.25.560	024.25.560													6	706.8	115	410.4	69		
3	020.25.630	021.25.630	023.25.630	746	514	106	710	550	18	M16	24	4	96	26	60	6	790.8	129	482.4	81	130	



		022.25.630	024.25.630															8	790.4	96	475.2	60			
4	020.25.710	021.25.710	023.25.710	826	594	790	630												6	862.8	141	560.4	94	140	
		022.25.710	024.25.710																8	862.4	105	555.2	70		
5	020.30.800	021.30.800	023.30.800	942	658	898	702												8	982.4	120	619.2	78	200	
		022.30.800	024.30.800																10	988	96	614	62		
6	020.30.900	021.30.900	023.30.900	1042	758	998	802													8	1086.4	133	715.2	90	250
		022.30.900	024.30.900																	10	1088	106	714	72	
7	020.30.1000	021.30.1000	023.30.1000	1142	858	1098	902													10	1198	117	814	82	300
		022.30.1000	024.30.1000																	12	1197.6	97	796.8	67	
8	020.30.1120	021.30.1120	023.30.1120	1262	978	1218	1022													10	1318	129	924	93	340
		022.30.1120	024.30.1120																	12	1317.6	107	916.8	77	
9	020.40.1250	021.40.1250	023.40.1250	1426	1074	1374	1126													12	1497.6	122	1012.8	85	580
		022.40.1250	024.40.1250																	14	1495.2	104	1013.6	73	
10	020.40.1400	021.40.1400	023.40.1400	1576	1224	1524	1272													12	1641.6	134	1156.8	97	650
		022.40.1400	024.40.1400																	14	1649.2	115	1153.6	83	
11	020.40.1600	021.40.1600	023.40.1600	1776	1424	1724	1476													14	1845.2	129	1349.6	97	750
		022.40.1600	024.40.1600																	16	1852.8	113	1350.4	85	
12	020.40.1800	021.40.1800	023.40.1800	1976	1624	1924	1676													14	2055.2	144	1545.6	111	820
		022.40.1800	024.40.1800																	16	2060.8	126	1542.4	97	
13	020.50.2000	021.50.2000	023.50.2000	2215	1785	2149	1851													16	2300.8	141	1702.4	107	1150
		022.50.2000	024.50.2000																	18	2300.4	125	1699.2	95	
14	020.50.2240	021.50.2240	023.50.2240	2455	2025	2389	2091													16	2540.8	156	1942.4	122	1500
		022.50.2240	024.50.2240																	18	2552.4	139	1933.2	108	
15	020.50.2500	021.50.2500	023.50.2500	2715	2285	2649	2351													18	2804.4	153	2203.2	123	1700
		022.50.2500	024.50.2500																	20	2816	138	2188	110	
16	020.50.2800	021.50.2800	023.50.2800	3015	2585	2949	2651													18	3110.4	170	2491.2	139	1900
		022.50.2800	024.50.2800																	20	3116	153	2488	125	



