

Slewing bearings

gn: Outer Diameter 330~1460mm

DBD design: Outer Diameter 1760~3700mm

Slewing bearings' structure, types and characteristics properties

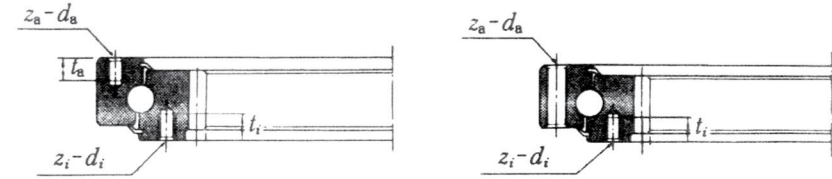
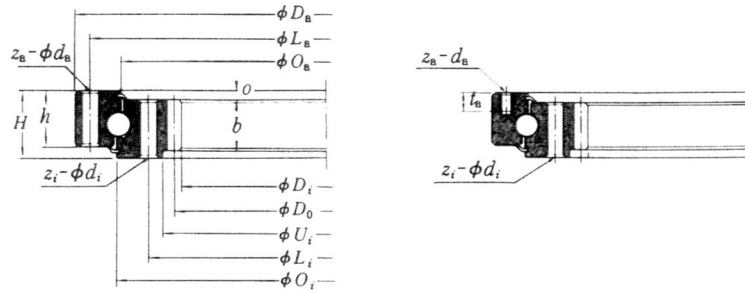
Slewing bearings are widely used for constructions and industrial chineries, such as drive shovels, crane vehicles, thus to simplify the machine's structure and maintenance.

The characteristic properties of slewing bearings are,

- 1) One bearing itself can accommodate axial loads, couple loads and radial loads;
- 2) Mounting holes or bolts on bearing rings make the bearing mounting very easy;
- 3) Bearings are pre-greased in manufacture factory and can be re-lubricated by grease holes.

Detail bearing designations and drawings are illustrated in bearing table. Please contact UBC for further information.

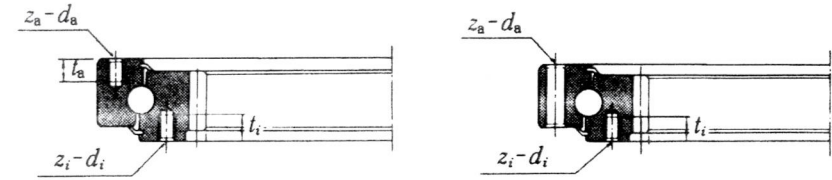
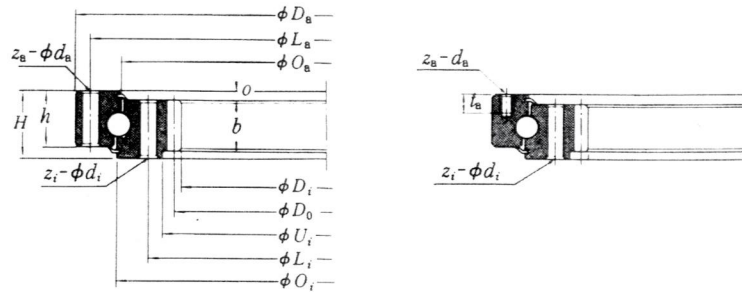
DBS inner gear
Outside diameter d: 1510~1910mm



outside diameter D_a	inside diameter D_i	mounting height H	Designation	gear parameter			gear wide b	outer ring wide h	wide tolerances O	outer ring bore diameter O_a	inner ring outside diameter O_i	gear ladder bore diameter U_i
				D_0	m	Z						
330	213	35	213DBS105y	219	3	73	30.5	30	4	282	280	230
330	213	35	213DBS103y	219	3	73	30.5	30	4	282	280	230
330	213	35	213DBS161y	219	3	73	30.5	30	4	282	280	230
360	224	35	224DBS101y	232	4	58	29.5	30	5	303	301	247
374	249	43	249DBS101y	255	3	85	33.5	34	9	318	317	266
446	306	37	306DBS101y	312	3	104	31	32	5	385	383	328
458	319.5	35	319DBS103y	329	4.5	73	29.5	30	5	400	400	342
458	324	37	324DBS101y	330	3	110	31.5	32	5	400	400	340
500	356.4	54	354DBS102y	360	3	120	40	44	8	436	434	373
584	441	40	441DBS161y	450	4.5	100	34.5	35	5	523	523	463.5
595	432	51.5	432DBS103y	441	4.5	98	42.5	40	8.5	525.5	525.5	458
640	470	50	470DBS108y	480	5	96	44.5	40	5	557	563	496
640	470	50	470DBS114y	480	5	96	44.5	40	5	569	567	496
640	470	50	470DBS117y	480	5	96	44.5	40	5	569	563	496
640	470	50	470DBS161y	480	5	96	44.5	40	5	569	567	496
640	479.2	50	479DBS103y	484	4	121	44.5	40	5	569	567	500
640	479.2	50	479DBS104y	484	4	121	44.5	43	5	569	567	500
700	525	60	525DBS101y	535	5	107	49.5	50	10	625	625	555
720	504	80	504DBS102y	520	8	65	65	65	15	630	630	-
720	527.2	58	527DBS101y	532	4	133	52.5	53	5	631.5	629.5	548
770	580.8	65	580DBS101y	588	6	98	50	52	8	690.2	688.6	616
770	587.3	65	587DBS161y	594	6	99	50	52	8	690.2	688.6	616
780	574	67	574DBS101y	588	7	84	50	50	10	696	696	610
805	601	63	601DBS106y	612	6	102	53	53	10	720	716	-
810	585	85	585DBS164y	600	8	75	66	67	18	718	722	628
950	682	92	682DBS102y	700	10	70	70	79	13	838	842	730
950	682	92	682DBS104y	700	10	70	70	83	9	843	837	735
973	784	82	784DBS102y	800	8	100	50	63	19	894	894	823
1020	752	93	752DBS103y	770	10	77	67	73	20	907	913	804
1055	792	115	792DBS101y	808	8	101	77	92	20	938	942	830
1093	872	90	872DBS118y	890	10	89	68	62	13	1009	1005	930

outer ring mounting hole				inner ring mounting hole				twisting force		axial load rating Static		Ref. Weight (kg)
L_a	Z_a	d_a	T_a	L_i	Z_i	d_i	T_i	(N)	(kgf)	(N)	(kgf)	
313	12	M8	17	248	16	$\Phi 9$	-	16180	1650	348	35.5	10.3
313	8	M7	-	248	8	M8	-	8470	660	348	35.5	10.6
313	12	$\Phi 9$	-	248	16	$\Phi 9$	-	16600	1700	348	35.5	10.2
340	12	M10	-	265	12	M10	18	9320	950	430	43.5	12.9
355	16	10	-	281.5	16	$\Phi 11$	-	17500	1780	355	36	14.3
421	16	$\Phi 11$	-	348	16	$\Phi 11$	-	15900	1620	425	43	17.5
438	15	M12	20	362	18	M12	20	25600	2610	575	58.5	17
438	16	M10	-	362	18	$\Phi 11$	-	16100	1650	480	49	17.7
475	16	M10	-	392	16	$\Phi 11$	-	20300	2080	605	62	30
562	20	$\Phi 13$	-	484	20	$\Phi 13$	-	23900	2440	635	64.5	28
570	17	M12	27	482	16	$\Phi 13$	-	35600	3640	755	77	38.1
615	16	$\Phi 13$	-	520	24	M12	30	15500	1580	1140	117	42
615	18	13.5	-	520	20	$\Phi 13.5$	-	38000	3890	1140	117	42
615	16	$\Phi 13$	-	520	24	$\Phi 13$	-	38000	3890	895	91	42
615	24	$\Phi 13$	-	520	24	M12	30	38000	3900	1140	117	42
615	16	M14	30	520	16	M14	30	30200	3080	1070	109	41.2
615	23	M14	20	520	24	M14	20	30200	3080	1140	117	42.4
675	20	M14	30	575	24	M14	30	44400	4540	1370	139	57.5
688	18	M16	30	572	18	M16	30	94500	9650	1670	170	93
690	23	M16	25	572	24	M16	25	35500	3630	1640	167	69.3
742	23	$\Phi 15$	-	638	24	$\Phi 15$	-	57100	5820	1250	128	71.7
742	24	$\Phi 13$	-	638	24	$\Phi 13$	-	45500	9750	1250	128	72.5
750	20	$\Phi 18$	-	640	20	M16	25	61900	6320	1320	134	78
773	20	$\Phi 18$	-	663	24	$\Phi 18$	-	54400	5550	1460	149	78
780	32	$\Phi 18$	-	660	30	$\Phi 18$	-	96000	9750	1860	189	110
910	23	$\Phi 24$	-	770	24	$\Phi 24$	-	138000	14100	2790	284	479
910	24	$\Phi 24$	-	770	24	M16	30	135000	13800	2240	228	188
944	30	M16 ⁽⁴⁾	30	850	30	M16	35	29900	3050	1700	173	104
980	22	$\Phi 20$	-	844	24	$\Phi 20$	-	125000	12800	2620	267	183
1010	16	$\Phi 23$	-	870	16	$\Phi 23$	-	42500	4350	2990	305	243
1064	29	M16	25	970	30	$\Phi 16$	28	134000	13700	2590	264	159

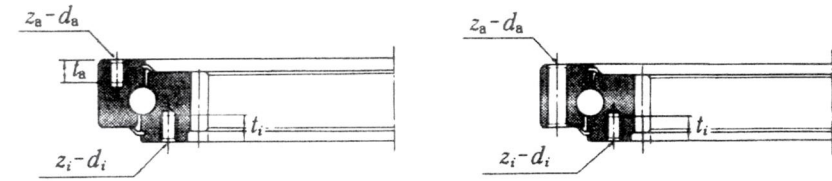
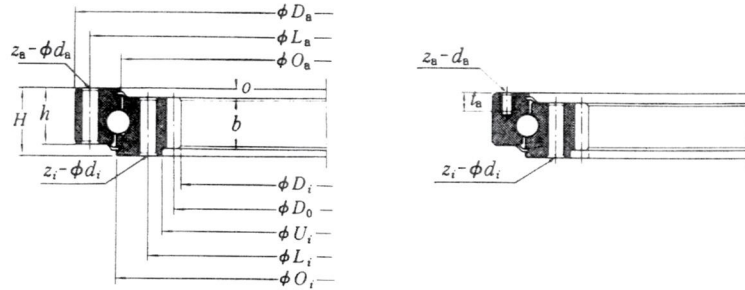
DBS inner gear
Outside diameter d: 1100~1464mm



outside diameter Da	inside diameter Di	mounting height H	Designation	gear parameter			gear wide b	outer ring wide h	wide tolerances O	outer ring bore diameter Oa	inner ring outside diameter Oi	gear ladder bore diameter Ui
				Do	m	Z						
1110	874	95	874DBS103y	890	10	89	84	75	10	1010	1014	921
1140	884	100	884DBS101y	900	10	90	75	90	10	1026	1030	930
1140	884	100	884DBS102y	900	10	90	75	90	10	1026	1030	930
1163	960	94	960DBS145y	980	10	98	65	66	10	1074	1078	1013
1163	962	90	962DBS104y	980	10	98	65	68	10	1078	1078	1015
1188	922	83	922DBS108y	940	10	94	67	73	16	1083	1079	-
1195	963	85	963DBS102y	980	10	98	69	74	15	1100	1100	1004
1205	961.2	95	961DBS104y	980	10	98	84	76	10	1092	1096	1008
1210	976	95	976DBS101y	992	8	124	60	75	10	1104	1108	1020
1240	915	113	915DBS117y	936	12	178	90	98	16	1106	1114	980
1300	1014	100	1014DBS410y	1030	10	103	80	85	10	1181	1189	1070
1300	1080	110	1080DBS106y	1104	12	92	90	89	16	1218	1222	1140
1300	1080	110	1080DBS113y	1104	12	92	84	89	16	1222	1218	1140
1302	1083	104.5	1083DBS104y	1100	10	110	90	81.5	14.5	1204	1200	-
1311	1082	105	1082DBS103y	1100	10	110	94	78	10	1207	1211	1130
1311	1082	105	1082DBS104y	1100	10	110	94	78	10	1207	1211	1130
1320	1080	95	1080DBS117y	1104	12	92	80	70	10	1212	1216	1140
1327	1083	110	1083DBS104y	1104	12	92	85	79	16	1218	1222	1140
1358	1092	125	1092DBS101y	1104	12	92	110	80	10	1240	1244	1156
1377	1078	130	1078DBS101y	1092	14	78	110	85	10	1250	1254	1151
1395	1064	110	1064DBS101y	1080	12	90	90	96	17	1258	1262	1122
1400	1074	110	1074DBS105y	1090	10	109	85	86	10	1259	1267	1120
1400	1074	96	1074DBS106y	1090	10	109	86	86	10	1259	1267	-
1400	1130	75	1130DBS104y	1150	10	115	60	65	10	1288	1292	1180
1400	1130	95	1130DBS106y	1152	12	96	74	78	16	1284	1288	1188
1400	1130	95	1130DBS110y	1152	12	496	74	78	16	1284	1288	1188
1400	1131	85	1131DBS104y	1150	10	115	60	75	10	1288	1292	1180
1432	1056	125	1056DBS102y	1088	16	68	106	116	18	1285	1295	1134
1440	1131.7	120	1131DBS107y	1144	8	143	88	105	15	1300	1302	1172
1464	1192	135	1192DBS101y	1204	14	86	124.5	78	10	1346	1342	1256
1464	1192	135	1192DBS102y	1204	14	86	124.5	78	10	1346	1342	1256

outer ring mounting hole				inner ring mounting hole				twisting force		axial load rating Static		Ref. Weight (kg)
La	Za	da	Ta	Li	Zi	di	Ti	(N)	(kgf)	(N)	(kgf)	
1070	29	M29	30	960	30	M20	30	145000	14800	2920	298	200
1090	36	M16	35	965	36	M16	35	56300	5740	3550	365	248.3
1090	36	M16	35	965	36	M16	35	56300	5740	3550	365	248.3
1134	36	Φ18	-	1040	36	M16	30	122000	12400	2890	294	160
1134	36	M16 ⁽⁴⁾	37	1040	36	M16	35	122000	12400	2200	224	160.5
1147	26	Φ22	-	1015	24	Φ22	-	125000	12800	3150	320	207
1160	36	Φ19	-	1040	36	Φ19	-	118000	12000	2940	300	185
1165	32	Φ22 ⁽⁴⁾	-	1042	30	M20	30	156000	15900	3150	320	233.4
1170	19	Φ18	-	1062	36	M16	30	89200	9100	3200	325	213.7
1200	28	M27	4	1020	36	M27	45	199000	20300	4650	475	355
1260	32	Φ24	-	1110	36	Φ24	-	150000	15300	4700	480	300
1270	28	M20	30	1170	36	M20	30	210000	21400	3600	365	245
1270	35	M20	30	1170	36	M20	30	189000	19200	3600	365	240
1264	26	M22	31	1162	36	M20	28	155000	15800	3200	330	240
1276	32	Φ21	-	1164	36	M20	30	161000	15400	3850	395	245.7
1276	30	Φ21	-	1164	36	M20	30	180000	18300	3850	395	245.7
1280	36	Φ22	-	1170	36	M20	30	180000	18300	3400	345	225
1288	28	Φ22	-	1170	36	M20	32	191000	19500	3900	400	259
1312	26	Φ26	-	1197	36	M24	35	247000	25200	4000	405	325
1331	34	Φ26	-	1191	36	M24	45	263000	26800	4850	495	385
1345	20	Φ26	-	1170	36	Φ26	-	184000	18800	5350	545	400
1350	34	M27	45	1175	40	M27	45	159000	16200	5350	545	396
1350	32	Φ26	-	1175	40	Φ26	-	147000	15000	5350	545	360
1360	36	Φ24	-	1220	36	Φ24	-	4130	4210	3750	385	225
1355	36	Φ21	-	1220	36	M20	35	1614000	16800	3750	380	287
1355	36	Φ21	-	1220	36	M20	35	66100	6740	2890	295	278
1360	17	Φ23.5	-	1220	36	M22	35	112000	11400	4150	420	266
1385	31	Φ24	-	1190	36	Φ24	-	314000	32000	6550	670	535
1384	36	Φ28	-	1218	36	M24	50	118000	12000	4300	440	437
1420	36	Φ26	-	1286	30	M24	48	323000	32900	4300	440	372
1420	36	Φ26	-	1286	30	M24	48	335000	34200	4300	440	372

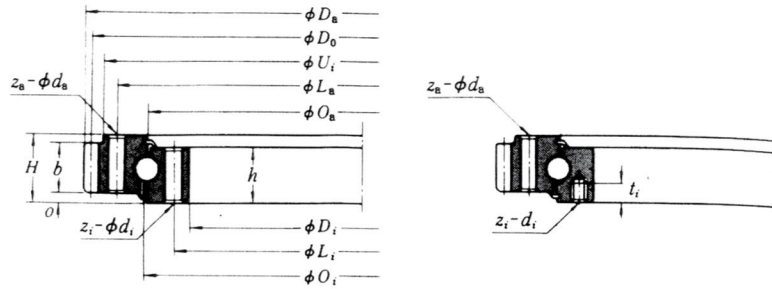
DBS inner gear
Outside diameter d: 1510~1910mm



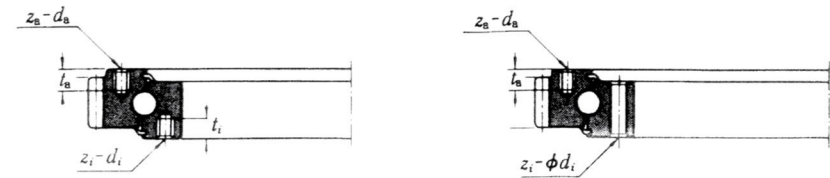
outside diameter D_a	inside diameter D_i	mounting height H	Designation	gear parameter			gear wide b	outer ring wide h	wide tolerances O	outer ring bore diameter O_a	inner ring outside diameter O_i	gear ladder bore diameter U_i
				D_o	m	Z						
1510	1192	135	1192DBS106y	1204	14	86	124.5	100	10	1358	1366	1256
1510	1192	135	1192DBS108y	1204	14	86	124.5	100	10	1358	1366	1256
1526	1235	122	1235DBS102y	1260	14	90	110	87	12	1407	1403	-
1530	1204	120	1204DBS101y	1220	10	122	87	110	23	1389	1391	1250
1540	1164	147	1164DBS110t	1180	10	118	80	137	22	1368	1372	1210
1550	1168	140	1168DBS101y	1200	16	75	119	118	20	1397	1407	1246
1550	1200	120	1200DBS101t	1220	10	122	85	105	15	1393	1397	1250
1550	1200	120	1200DBS102t	1220	10	122	85	105	15	1393	1397	1250
1554	1212	108	1212DBS101y	1230	10	123	90	98	10	1405	1415	1266
1555	1200	120	1200DBS106t	1220	10	122	85	1420	15	1393.5	1401.5	1250
1561	1199	125	1199DBS102y	1232	16	77	114	105	10	1412	1420	1280
1561	1199	125	1199DBS103y	1232	16	77	114	105	10	1412	1420	1280
1575	1222	139	1222DBS101y	1246	14	89	124	4104	10	1431	1439	1296
1590	1234	120	1234DBS101t	1250	10	125	80	110	25	1426	1434	1280
1596	1276.8	110	1276DBS101y	1288	14	92	100	90	10	1470	1466	-
1600	1272	115	1272DBS102y	1296	12	108	105	94	10	1466	1474	-
1600	1272	115	1272DBS104y	1296	12	108	105	94	10	1466	1474	-
1610	1248	124	1248DBS106y	1272	12	106	95	94	14	1463	1463	1310
1610	1248	134	1248DBS107y	1272	12	106	110	104	14	1463	1463	1310
1610	1248	124	1248DBS108y	1272	12	106	100	94	14	1463	1463	1310
1630	1214	160	1214DBS106t	1232	14	88	110	143	25	1448	1462	1282
1640	1304	100	1304DBS101y	1320	10	132	88	90	10	1488	1496	1350
1650	1307.8	108	1307DBS105y	1320	10	132	96	98	10	1501	1511	1357
1685	1310	112	1310DBS101t	1320	12	110	100	102	10	1525	1535	1370
1685	1310	131	1310DBS103t	1320	12	110	100	121	29	1525	1535	1370
1735	1356	115	1356DBS102y	1380	12	115	105	105	10	1570	1580	-
1735	1356	115	1356DBS101y	1380	12	115	105	105	10	1570	1580	-
1750	1424	120	1424DBS101y	1440	8	180	80	110	20	1608	1612	1470
1750	1429.7	120	1429DBS104t	1414	14	101	89	110	25	1619	1627	1500
1760	1356	115	1356DBS103y	1380	12	115	105	105	10	1570	1580	-
1910	1401	180	1401DBS101t	1414	14	101	105	170	10	1680	1690	1470

outer ring mounting hole				inner ring mounting hole				twisting force		axial load rating Static		Ref. Weight (kg)
L_a	Z_a	d_a	T_a	L_i	Z_i	d_i	T_i	(N)	(kgf)	(N)	(kgf)	
1450	38	Φ26	-	1286	30	M24	48	303000	30900	5800	590	510
1450	38	Φ26	-	1286	30	M24	48	303000	30900	5800	590	510
1481	35	M24	47	1358	40	M24	39	305000	31000	5000	510	410
1480	36	Φ26	-	1300	36	Φ26	-	60500	3180	5500	560	440
1480	47	Φ30	-	1260	44	Φ33	-	153000	15600	8050	825	660
1499	33	Φ26	-	1300	36	Φ26	-	364000	37100	7250	740	640
1490	53	Φ26	-	1300	54	Φ26	-	57700	5890	7150	730	514
1495	44	Φ29	-	1295	48	Φ29	-	57700	5890	7150	730	510
1508	30	Φ28	-	1312	45	Φ28	-	153000	15600	7250	740	470
1490	47	Φ33	-	1305	48	Φ33	-	144000	14700	6250	640	500.8
1510	31	Φ26	-	1332	36	M24	48	310000	31600	6850	710	570
1510	31	Φ26	-	1332	36	M24	48	343000	35000	6950	710	570
1530	32	Φ26	-	1340	40	Φ26	-	301000	30700	7050	715	606
1530	47	Φ30	-	1330	46	Φ30	-	147000	15000	6400	655	523
1548	36	Φ26	-	1401	36	M24	35	263000	26800	5300	540	455
1560	28	Φ24	-	1380	40	Φ24	-	234000	23900	6550	670	490
1560	26	Φ24	-	1380	40	Φ24	-	216000	22000	6550	670	492.3
1555	18	Φ32	-	1370	18	M30	40	195000	19900	5750	585	568
1555	28	M27	45	1370	36	M27	45	226000	23000	5750	585	523.6
1555	27	Φ32	-	1370	36	Φ32	-	205000	21000	5750	585	580
1578	22	Φ29	-	1349.4	36	Φ29	-	115000	11800	8500	865	845
1586	52	Φ29	-	1399	48	Φ29	-	149000	15200	6850	700	448
1604	43	Φ28	-	1408	54	Φ28	-	162000	16600	7700	785	500
1635	36	Φ29	-	1423	40	Φ29	-	205000	20900	8400	860	592
1635	34	Φ29	-	1423	40	Φ29	-	205000	20900	8400	860	670
1680	20	Φ33	-	1470	40	Φ33	-	214000	21900	8100	825	636
1680	22	Φ33	-	1470	40	Φ33	-	214000	21900	8100	825	630
1705	16	Φ26	-	1520	16	M24	40	109000	11100	4600	470	582
1705	40	Φ26	-	1540	36	Φ24	50	233000	23700	6900	705	530
1680	22	Φ33	-	1470	40	Φ33	-	208000	21300	8100	825	690
1830	40	Φ36	-	1540	52	Φ36	-	274000	28000	12600	1290	1409.6

DBS inner gear
Outside diameter d: 330-558mm

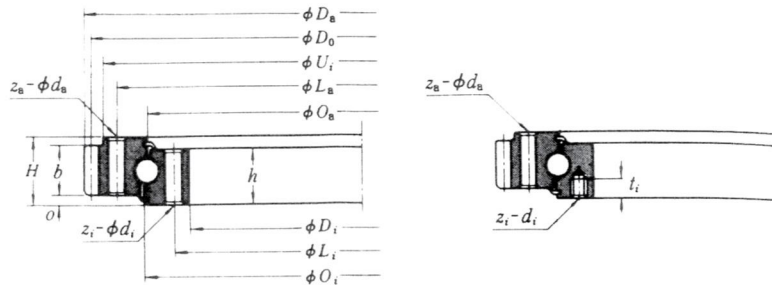


outside diameter D_a	inside diameter D_i	mounting height H	Designation	gear parameter			gear wide b	outer ring wide h	wide tolerances O	outer ring bore diameter O_a	inner ring outside diameter O_i	gear ladder bore diameter U_i
				D_o	m	Z						
330	217	35	217DBS201y	324	3	108	23	31	7	265	265	313
380	200	58	200DBS202y	370	5	74	43	48	10	280	280	355
380	200	58	200DBS206y	370	5	74	43	48	10	280	280	355
380	200	58	200DBS262y	370	5	74	43	48	10	280	280	355
400	220	58	220DBS201y	390	5	78	43	48	10	300	300	375
408	210	62	210DBS203y	396	6	66	45	46	8	299.5	300.5	377
415	225	58	225DBS202y	405	5	81	45	46	8	310	310	391
456	238	74	238DBS201y	444	6	74	56	56	8	336	336	426
456	240	68.5	240DBS204y	444	6	74	56	52	8	335	339	425
460	260	80	260DBS203y	450	5	90	60	64	15	348	352	435
460	260	80	260DBS209y	450	5	90	60	64	15	348	352	435
460	260	80	260DBS269y	450	5	90	60	64	15	348	352	435
468	260	80	260DBS205y	456	6	76	60	64	15	348	352	435
468	260	80	260DBS208y	456	6	76	60	64	15	348	352	435
522	295	110	295DBS201y	510	6	85	60	90	10	398	402	492
522	300	73	300DBS202y	510	6	85	60	53	8	398	402	493
522	300	70	200DBS208y	510	6	85	50	60	7	395	395	490
522	308	73	308DBS204y	510	6	85	60	53	8	398	402	493
522	308	73	308DBS205y	510	6	85	60	53	8	398	402	493
522	308	73	308DBS206y	510	6	85	60	53	8	398	402	493
528	310	80	310DBS201y	516	6	86	62	66	13	403	407	495
530	310	70	310DBS211y	520	5	104	59.5	60	10	408	412	504
539	310	70	310DBS205y	528	5.5	96	60	60	10	414	406	-
558	336	73	336DBS201y	546	6	91	57	53	8	434	438	529
558	336	73	336DBS204y	546	6	91	57	53	8	434	438	529
558	336	73	336DBS206y	546	6	91	57	53	8	434	438	529
558	336	73	336DBS207y	546	6	91	57	53	8	434	438	529
558	336	73	336DBS209y	546	6	91	57	53	8	434	438	529
558	336	73	336DBS261y	546	6	91	57	53	8	434	438	529

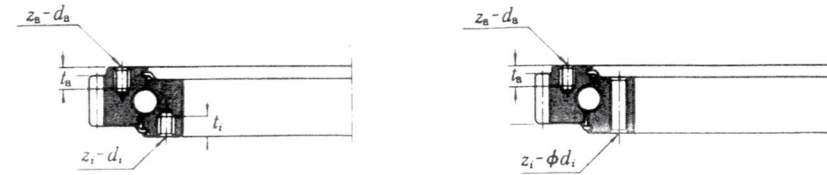


outer ring mounting hole				inner ring mounting hole				twisting force		axial load rating Static		Ref. Weight (kg)
L_a	Z_a	d_a	T_a	L_i	Z_i	d_i	T_i	(N)	(kgf)	(N)	(kgf)	
298	12	Φ9	-	233	12	M8	20	9020	930	295	30	10
330	16	M12	30	230	15	Φ14	-	28300	2890	605	61.5	25
330	8	Φ14	-	230	8	Φ14	-	11300	1160	605	61.5	26
330	16	M12	30	230	15	Φ14	-	28000	2850	605	61.5	25
350	16	M14	-	250	15	Φ14	-	31900	3260	655	67	27
350	9	M16	40	248	15	Φ20	-	14200	1450	710	72.5	30.5
360	7	M16	40	260	15	Φ17.5	-	11900	1220	660	67	30.3
394.5	11	M16	35	275	19	Φ22	-	17200	1770	965	98.5	46
395	10	M16	40	275	19	Φ22	-	44300	4520	935	95.5	42.3
405	14	Φ16.5	-	295	17	Φ17	-	16100	1650	1020	104	47.4
405	14	Φ17	-	295	17	Φ17	-	39500	4040	1020	104	47.4
405	20	M16	30	295	17	Φ17	-	39000	3800	1020	104	47.4
405	14	Φ16.5	-	295	17	Φ17	-	19400	1980	1020	104	49.3
405	18	Φ16.5	-	295	17	Φ17	-	48500	4950	1020	104	48.7
462	24	M16	40	330	19	Φ22	-	48200	4910	1270	130	86
460	11	M18	40	335	23	Φ22	-	48200	4910	1120	114	55
456	16	M18	35	336	18	Φ19	-	17500	1640	800	82	57.1
460	11	M18	40	340	23	Φ19.5	-	48200	4910	1120	114	54
460	16	M18	30	340	15	M20	30	48200	4910	1120	114	55.2
460	12	M18	30	340	12	M20	30	48200	4910	1120	114	55.8
462	12	Φ16.5	-	345	23	Φ17	-	49800	5080	1270	129	62
470	20	M16	30	350	18	M16 ⁽⁶⁾	30	40400	4120	1150	117	59.8
470	20	M16	40	350	10	Φ17	-	44800	4570	990	101	61
496	10	M18	40	371	25	Φ22	-	46500	4750	1240	126	59
496	14	M18	40	371	25	Φ22	-	46500	4750	1240	126	59.1
496	10	M18	40	371	25	Φ22	-	46500	4750	1240	126	59
496	12	M18	40	371	25	Φ22	-	46500	4750	1240	126	59
496	10	M20	33	371	25	Φ22	-	46500	4750	1240	126	59.2
496	24	M18	40	371	23	Φ22	-	46500	4750	1240	126	59

DBS inner gear
Outside diameter d: 642~980mm



outside diameter D_a	inside diameter D_i	mounting height H	Designation	gear parameter			gear wide b	outer ring wide h	wide tolerances O	outer ring bore diameter O_a	inner ring outside diameter O_i	gear ladder bore diameter U_i
				D_o	m	Z						
642	400	65	400DBS203y	630	6	105	45	55	10	517	513	610
731.5	506	76	506DBS201y	721	5.5	131	63	63	13	600	604	-
732	505	70	505DBS201y	720	6	120	50	60	10	698	602	695
732	505	56	505DBS205y	720	6	120	48	48	8	600	600	-
732	505	56	505DBS206y	720	6	120	48	48	8	600	600	-
732	529	63	529DBS205y	720	6	120	52.5	53	10	613	613	700
732	529	63	529DBS201y	720	6	120	52.5	53	10	613	613	700
735	486	70	576DBS201y	721	7	103	60	60	10	614	600	-
735	496	70	496DBS202y	721	7	103	60	60	10	614	600	-
750	510	80	510DBS201y	738	6	123	67	60	13	616	620	-
750	510	95	510DBS202y	738	6	123	67	73	16	616	620	720
750	510	95	510DBS203y	738	6	123	67	73	16	616	620	720
750	544	80	544DBS202y	738	6	123	65	65	15	630	630	-
798	600	60	600DBS212y	786	6	131	50	49	10	690	690	-
840	620	85	620DBS205y	828	6	138	65	65	15	718	722	810
872	615	80	615DBS201y	856	8	107	65	70	10	717	721	832
888	675	80	675DBS202y	876	6	146	70	70	10	761	761	-
889	660	660	660DBS201yy	875	7	125	65	80	10	762	768	853
889	685	56	685DBS261y	875	7	15	48	48	8	773	773	-
824	728	56	728DBS201y	910	7	130	46	44	10	810	810	-
824	728	56	728DBS203y	910	7	130	46	44	10	810	810	-
852	772	56	772DBS201y	936	8	117	45.5	45.5	10.5	844	844	-
976	715	85	715DBS209y	960	8	120	70	75	10	821	825	938
976	720	85	720DBS219y	960	8	120	70	75	15	823	823	-
980	570	70	570DBS203y	960	10	96	57	60	10	718	722	928
980	680	104	680DBS201y	960	10	96	94	94	10	803	807	-
980	720	85	720DBS267y	960	10	96	75	75	10	821	825	-



outer ring mounting hole				inner ring mounting hole				twisting force		axial load rating Static		Ref. Weight (kg)
L_a	Z_a	d_a	T_a	L_i	Z_i	d_i	T_i	(N)	(kgf)	(N)	(kgf)	
580	24	M12	20	450	22	$\Phi 18$	-	15900	1640	1210	123	74.5
660	48	M16	40	540	18	M16	40	18700	1920	1490	152	95
660	48	M16	40	540	28	M16	40	16200	1660	1520	155	89
660	48	$\Phi 18$	-	540	17	M16 ⁽⁴⁾	-	15700	1620	1230	125	72
660	48	$\Phi 18$	-	540	35	M16 ⁽⁴⁾	-	17100	1760	1230	125	74
669	24	M16	35	559	30	M16	35	47100	4800	1380	135	71.6
669	24	M16	-	559	24	M16	-	43600	4450	1380	135	71.8
666	20	M16	35	531	19	$\Phi 22$ ⁽⁴⁾	-	23000	2360	1320	134	90
666	12	M16	30	536	12	$\Phi 20$ ⁽⁴⁾	-	23000	2360	1320	134	90
680	17	$\Phi 20$	-	550	23	$\Phi 24$	-	22000	2260	1780	181	99.7
680	17	$\Phi 21$	-	550	23	$\Phi 24$	-	22000	2260	1780	191	118
680	17	M20	42	550	23	$\Phi 24$	-	22000	2260	1780	191	120
688	18	M16	30	572	18	M16	30	21400	2190	1670	170	91.3
740	24	M16 ⁽⁴⁾	25	636	21	M16	25	17600	1810	1210	123	77
780	10	$\Phi 18$	-	660	10	$\Phi 18$	-	21500	2210	1860	189	118
788	24	M20	45	650	29	M20	45	28400	2900	2080	212	137
822	24	M24	45	706	24	M18	45	58300	5940	1860	190	119
824	26	M16	30	705	32	M16	30	62700	6390	1750	179	147.3
824	26	$\Phi 18$	-	720	32	M20	38	50500	5150	1140	117	79
858	24	M16	35	760	30	$\Phi 18$	-	43700	4460	1290	132	76
858	24	M16	35	760	30	$\Phi 18$	-	48200	4910	1290	132	74.6
885	36	M12	20	798	40	13.5	-	20000	2050	1610	164	71.4
893	30	M22	45	753	35	M22	45	30700	3150	2480	253	166.2
893	30	M20	45	753	30	M22	45	33700	3440	2190	224	160.6
840	19	$\Phi 22$ ⁽⁴⁾	-	620	20	M20	40	85900	8760	1930	197	205.3
893	24	M20	50	717	27	M20	50	56200	5740	3300	335	239
893	32	$\Phi 18$	-	753	30	$\Phi 18$	-	111000	11300	2600	265	168