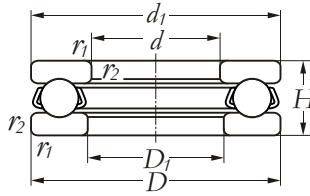


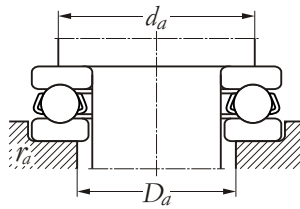


Technical Information

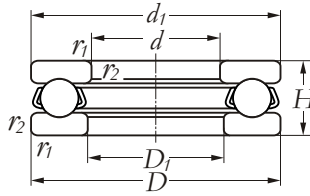


Inner bore <i>d</i> mm	Bearing number	Principal dimensions		Basic load ratings		Fatigue load limit <i>P<sub>u</sub></i> N	Max runout speed		Mass kg
		<i>D</i> mm	<i>H</i> mm	dynamic <i>C</i> N	static <i>C<sub>0</sub></i> N		grease r/min	oil r/min	
10	51100	24	9	7900	11200	1.00	4900	6600	0.020
12	51101	26	9	8300	12200	0.81	4600	6300	0.022
15	51102	28	9	7400	11200	1.00	4400	5900	0.023
17	51103	30	9	7800	12200	1.20	4400	5900	0.025
20	51104	35	10	10100	16600	2.20	3900	5200	0.038
25	51105	42	11	12700	23200	4.40	3300	4400	0.056
30	51106	47	11	13400	26800	5.80	3100	4200	0.063
35	51107	52	12	13900	30000	7.30	3000	3900	0.080
40	51108	60	13	18700	40000	13.00	2600	3500	0.120
45	51109	65	14	19300	45600	16.00	2300	3100	0.140
50	51110	70	14	20400	50400	20.00	2200	3000	0.160
55	51111	78	16	24500	62400	31.00	1900	2600	0.230
60	51112	85	17	28600	72000	42.00	1800	2500	0.200
65	51113	90	18	29600	78400	49.00	1600	2300	0.330
70	51114	95	18	30100	83200	56.00	1600	2300	0.350
75	51115	100	19	35300	109600	97.00	1500	2200	0.400
80	51116	105	19	35900	112000	100.00	1400	2100	0.420
85	51117	110	19	36900	120000	120.00	1400	2100	0.440
90	51118	120	22	47300	152000	190.00	1200	1800	0.670
100	51120	135	25	68100	216000	380.00	1100	1600	0.970
110	51122	145	25	69600	232000	440.00	1100	1500	1.050
120	51124	155	25	70700	248000	500.00	1100	1500	1.150
130	51126	170	30	88800	312000	790.00	900	1300	1.850
140	51128	180	31	88800	320000	830.00	900	1200	2.050
150	51130	190	31	88800	320000	830.00	800	1100	2.200
160	51132	200	31	89600	340000	940.00	800	1100	2.350
170	51134	215	34	106400	400000	1300.00	7000	1100	3.300
180	51136	225	34	108000	424000	1500.00	700	1000	3.500
190	51138	240	37	137600	524000	2200.00	600	900	4.050
200	51140	250	37	134400	524000	2200.00	600	900	4.250
220	51144	270	37	142400	588000	2800.00	600	900	4.600
240	51148	300	45	187200	772000	4800.00	500	700	7.550
260	51152	320	45	190400	816000	5400.00	500	700	8.100
280	51156	350	53	255200	1072000	9300.00	400	600	12.000



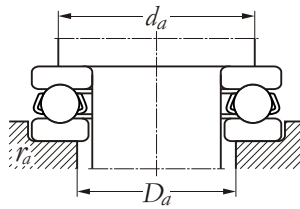


bore $d$ mm	Bearing number	Dimensions			Abutment and fillet dimensions		
		$d_1$	$D_1$	$r_{1,2}$ <i>min</i>	$d_a$ <i>min</i>	$D_a$ <i>max</i>	$r_a$ <i>max</i>
10	51100	24	11	0.3	19	15	0.3
12	51101	26	13	0.3	21	17	0.3
15	51102	28	16	0.3	23	20	0.3
17	51103	30	18	0.3	25	22	0.3
20	51104	35	21	0.3	29	26	0.3
25	51105	42	26	0.6	35	32	0.6
30	51106	47	32	0.6	40	37	0.6
35	51107	52	37	0.6	45	42	0.6
40	51108	60	42	0.6	52	48	0.6
45	51109	65	47	0.6	57	53	0.6
50	51110	70	52	0.6	62	58	0.3
55	51111	78	57	0.6	69	64	0.6
60	51112	85	62	1.0	75	70	1.0
65	51113	90	67	1.0	80	75	1.0
70	51114	95	72	1.0	85	80	1.0
75	51115	100	77	1.0	90	85	1.0
80	51116	105	82	1.0	95	90	1.0
85	51117	110	87	1.0	100	95	1.0
90	51118	120	92	1.0	108	102	1.0
100	51120	135	102	1.0	121	114	1.0
110	51122	145	112	1.0	131	124	1.0
120	51124	155	122	1.0	141	134	1.0
130	51126	170	132	1.0	154	146	1.0
140	51128	178	142	1.0	164	156	1.0
150	51130	188	152	1.0	174	166	1.0
160	51132	198	162	1.0	184	176	1.0
170	51134	213	172	1.1	197	188	1.0
180	51136	222	183	1.1	207	199	1.0
190	51138	237	193	1.1	220	210	1.0
200	51140	247	203	1.1	230	220	1.0
220	51144	267	223	1.1	250	240	1.0
240	51148	297	243	1.5	276	264	1.5
260	51152	317	263	1.5	296	284	1.5
280	51156	347	283	1.5	322	308	1.5



Inner bore <i>d</i> mm	Bearing number	Principal dimensions		Basic load ratings		Fatigue load limit <i>Pu</i> N	Max runout speed		Mass kg
		<i>D</i> mm	<i>H</i> mm	dynamic <i>C</i> N	static <i>Co</i> N		grease r/min	oil r/min	
300	51160	380	62	291200	1280000	13000	400	500	17.5
320	51164	400	63	296800	1360000	15000	400	500	19.0
340	51168	420	64	301600	1440000	17000	400	500	20.5
360	51172	440	65	312000	1520000	19000	300	500	22.0
380	51176	460	65	317600	1600000	21000	300	500	23.0
400	51180	480	65	322400	1696000	23000	300	400	24.0
420	51184	500	65	328000	1760000	25000	300	400	25.5
440	51188	540	80	421600	2400000	47000	300	400	42.0
460	51192	560	80	421600	2400000	47000	300	400	43.5
480	51196	580	80	432000	2600000	55000	300	300	45.5
500	511/500	600	80	442400	2680000	58000	300	300	47.0
530	511/530	640	85	520000	3240000	85000	200	300	58.5
560	511/560	670	85	530400	3400000	94000	200	300	61.0
600	511/600	710	85	530400	3600000	110000	200	300	65.0
630	511/630	750	95	582400	4000000	130000	200	300	84.0
670	511/670	800	105	681600	4880000	190000	200	200	105.0





Inner bore $d$ mm	Bearing number	Dimensions			Abutment and fillet dimensions		
		$d_1$	$D_1$	$r_{1,2}$ <i>min</i>	$d_a$ <i>min</i>	$D_a$ <i>max</i>	$r_a$ <i>max</i>
300	51160	376	304	2.0	348	332	2.0
320	51164	396	324	2.0	368	352	2.0
340	51168	416	344	2.0	388	372	2.0
360	51172	436	364	2.0	408	392	2.0
380	51176	456	384	2.0	428	412	2.0
400	51180	476	404	2.0	448	432	2.0
420	51184	496	424	2.0	468	452	2.0
440	51188	536	444	2.1	499	481	2.0
460	51192	556	464	2.1	519	501	2.0
480	51196	576	484	2.1	539	521	2.0
500	511/500	596	504	2.1	559	541	2.0
530	511/530	636	534	3.0	595	575	2.5
560	511/560	666	564	3.0	625	606	2.5
600	511/600	706	604	3.0	665	645	2.5
630	511/630	746	634	3.0	701	679	2.5
670	511/670	795	675	4.0	747	723	3.0

