

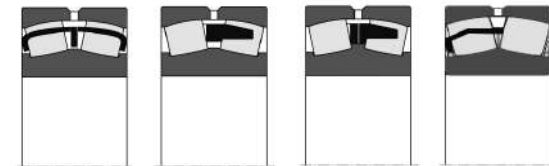


Spherical Roller Bearings:

Spherical Roller Bearings have barrel-shaped rollers between the inner ring, which have two raceways, and the outer ring which has one spherical raceway. An oil groove and holes are provided in the outer ring to supply lubricant and the bearing numbers are suffixed with W33. Spherical roller bearings accommodate misalignment between the shaft and housing without increasing friction or reducing bearing service life.

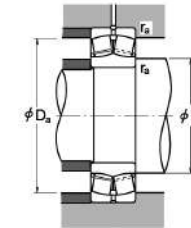
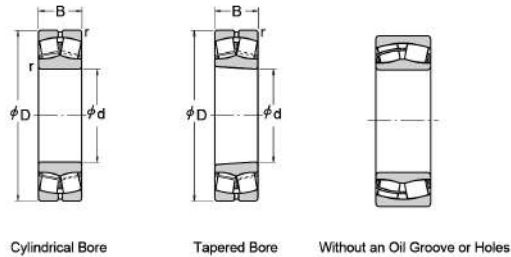
BMD Manufactures a wide variety of Spherical Roller Bearings that are available in either stamped-steel window-type cages or precision-machined-brass cages with a wide variety of sizes and configurations to meet the requirements of demanding applications.

Spherical Roller Bearings can take, not only heavy radial loads, but also some axial loads in either direction. They have excellent radial load-carrying capacity and are suitable for use where there are heavy or impact loads. BMD can manufacture SRB with tapered bores which may be mounted directly on tapered shafts or cylindrical shafts using adapters or withdrawal sleeves.

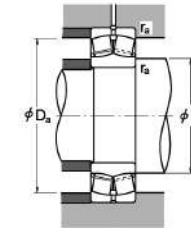
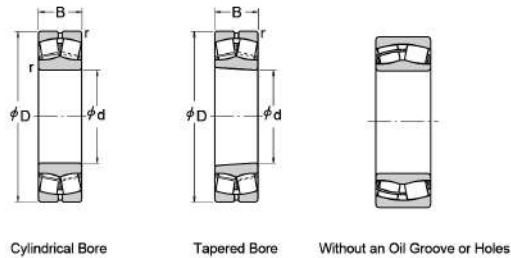


C CA MB E

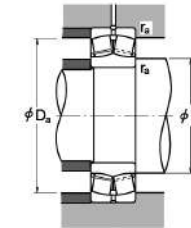
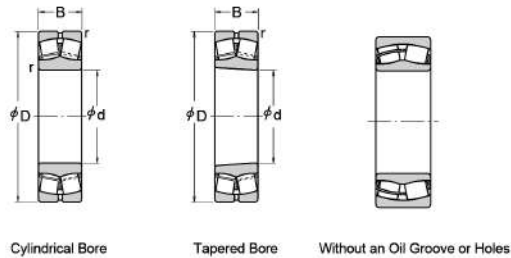
Suffix and Corresponding Description For Spherical Roller Bearings	
Suffix	Description of Suffix
MB	Rollers are guided by 2 piece Brass cage whereas the cage is centered on the inner ring
C	Rollers are assymetrical guided by sheet metal cage with floating center rib
CA	Rollers are assymetrical guided by brass cage whereas the cage is centered on the rollers
E	Two sheet steel cages, surface hardened, guidance on outer ring
W33	Lubrication groove and lubrication holes in outer ring
K	Tapered bore, taper 1:12
K30	Tapered bore, taper 1:30
C1	Radial Internal Clearance C1 (Clearance lesser than C2)
C2	Radial Internal Clearance C2 (Clearance lesser than CN)
No Symbol	(CN) Normal Internal Clearance
C3	Radial Internal Clearance C3 (Clearance Larger than Normal)
C4	Radial Internal Clearance C4 (Clearance Larger than C3)



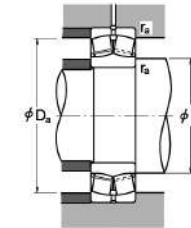
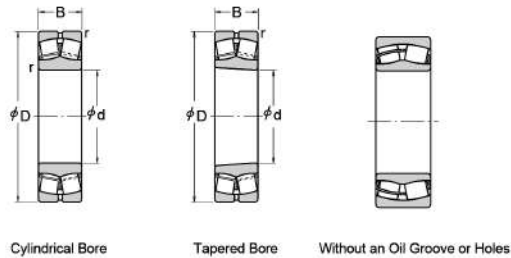
Boundary Dimensions				Basic Load Rating		Limiting Speed		Bearing Designation	Bearing Designation	Abutment and Fillet Dimensions					Mass Approx
(mm)				(KN)		(rpm)				(mm)					
d	D	B	r	C _r	C _{or}	Grease	Oil	Cylindrical Bore	Tapered Bore K	d _a		D _a		r _a	(kg)
			(min)							(min)	(max)	(min)	(max)		
20	52	15	1.1	29.30	26.90	6300	8200	21304	21304	27	28	45	42	1	0.17
25	52	18	1	37.50	37.00	7100	9000	22205	22205	31	31	46	45	1	0.17
25	62	17	1.1	43.00	40.50	5300	6700	21305	21305	32	34	55	51	1	0.26
30	62	20	1	50.00	50.00	6000	7500	22206	22206	36	37	56	54	1	0.27
30	72	19	1.1	55.00	54.00	4500	6000	21306	21306	37	40	65	59	1	0.39
35	72	23	1.1	69.00	71.00	5300	6700	22207	22207	42	43	65	63	1	0.42
35	80	21	1.5	71.50	76.00	4000	5300	21307	21307	44	47	71	67	1.5	0.53
40	80	23	1.1	90.50	99.50	6000	7500	22208	22208	47	49	73	70	1	0.50
40	90	23	1.5	94.50	111.00	5300	7000	21308	21308	49	54	81	75	1.5	0.73
40	90	33	1.5	136.00	153.00	4500	6000	22308	22308	49	52	81	77	1.5	0.98
45	85	23	1.1	94.50	111.00	5300	7000	22209	22209	52	54	78	75	1	0.55
45	100	25	1.5	119.00	144.00	4500	5600	21309	21309	54	65	91	89	1.5	0.96
45	100	36	1.5	166.00	195.00	4000	5300	22309	22309	54	59	91	86	1.5	1.34
50	90	23	1.1	99.00	119.00	5000	6300	22210	22210	57	60	83	81	1	0.61
50	110	27	2	142.00	174.00	4300	5300	21310	21310	60	72	100	98	2	1.21
50	110	40	2	197.00	234.00	3800	4800	22310	22310	60	64	100	93	2	1.78
55	100	25	1.5	119.00	144.00	4500	5600	22211	22211	64	65	91	89	1.5	0.81
55	120	29	2	142.00	174.00	4300	5300	21311	21311	65	72	110	98	2	1.58
55	120	43	2	234.00	292.00	3400	4300	22311	22311	65	73	110	103	2	2.3
60	95	26	1.1	98.50	141.00	3600	4500	23012	23012	67	68	88	85	1	0.68
60	110	28	1.5	142.00	174.00	4300	5300	22212	22212	69	72	101	98	1.5	1.1
60	130	31	2.1	190.00	244.00	3400	4300	21312	21312	72	87	118	117	2	1.98
60	130	46	2.1	271.00	340.00	3200	4000	22312	22312	72	79	118	111	2	2.89
65	120	31	1.5	177.00	230.00	3800	4800	22213	22213	74	80	111	107	1.5	1.51
65	140	33	2.1	212.00	275.00	3200	4000	21313	21313	77	94	128	126	2	2.45
65	140	48	2.1	300.00	380.00	3000	3800	22313	22313	77	84	128	119	2	3.52
70	125	31	1.5	180.00	232.00	3600	4500	22214	22214	79	84	116	111	1.5	1.58
70	150	35	2.1	250.00	325.00	3000	3800	21314	21314	82	101	138	135	2	3.0
70	150	51	2.1	340.00	435.00	2800	3400	22314	22314	82	91	138	129	2	4.28
75	130	31	1.5	190.00	244.00	3400	4300	22215	22215	84	87	121	117	1.5	1.64



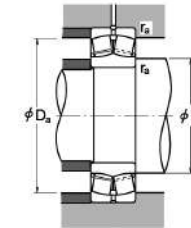
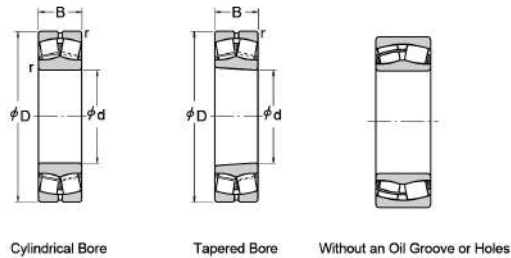
Boundary Dimensions				Basic Load Rating		Limiting Speed		Bearing Designation	Abutment and Fillet Dimensions					Mass Approx	
(mm)				(KN)		(rpm)			(mm)						
d	D	B	r	C _r	C _{or}	Grease	Oil	Cylindrical Bore	Tapered Bore K	d _a		D _a		r _a	(kg)
			(min)							(min)	(max)	(max)	(min)	(max)	
75	160	37	2.1	250.00	325.00	3000	3800	21315	21315	87	101	148	134	2	3.64
75	160	55	2.1	390.00	505.00	2600	3200	22315	22315	87	97	148	137	2	5.26
80	140	33	2	212.00	275.00	3200	4000	22216	22216	90	94	130	126	2	2.01
80	170	39	2.1	284.00	375.00	2800	3600	21316	21316	92	109	158	146	2	4.32
80	170	58	2.1	435.00	565.00	2400	3000	22316	22316	92	103	158	145	2	6.23
85	150	36	2	250.00	325.00	3000	3800	22217	22217	95	101	140	135	2	2.54
85	180	41	3	289.00	395.00	2800	3600	21317	21317	99	108	166	142	2.5	5.2
85	180	60	3	480.00	630.00	2200	2800	22317	22317	99	110	166	155	2.5	7.23
90	160	40	2	289.00	395.00	2800	3600	22218	22218	100	108	150	142	2	3.3
90	160	52.4	2	340.00	490.00	1800	2400	23218	23218	100	105	150	138	2	4.51
90	190	43	3	330.00	450.00	2600	3400	21318	21318	104	115	176	152	2.5	6.1
90	190	64	3	535.00	705.00	2200	2600	22318	22318	104	115	176	163	2.5	8.56
95	170	43	2.1	330.00	450.00	2600	3400	22219	22219	107	115	158	152	2	4.04
95	170	55.6	2.1	370.00	525.00	1700	2200	23219	23219	107	-	158	146	2	5.33
95	200	45	3	345.00	435.00	1500	2000	21319	21319	109	127	186	172	2.5	6.92
95	200	67	3	590.00	780.00	2000	2600	22319	22319	109	121	186	172	2.5	9.91
100	150	37	1.5	212.00	335.00	2200	2800	23020	23020	109	112	141	136	1.5	2.31
100	150	50	1.5	276.00	470.00	1800	2400	24020	24020	109	110	141	132	1.5	3.08
100	165	52	2	345.00	530.00	1700	2200	23120	23120	110	113	155	144	2	4.38
100	165	65	2	345.00	535.00	1700	2200	24120	24120	110	-	155	143	2	5.42
100	180	46	2.1	365.00	490.00	2400	3200	22220	22220	112	119	168	160	2	4.84
100	180	60.3	2.1	420.00	605.00	1600	2200	23220	23220	112	118	168	155	2	6.6
100	215	47	3	395.00	485.00	1400	1900	21320	21320	114	133	201	184	2.5	8.46
100	215	73	3	690.00	930.00	1900	2400	22320	22320	114	130	201	184	2.5	12.7
110	170	45	2	293.00	465.00	2000	2400	23022	23022	120	124	160	153	2	3.76
110	170	60	2	380.00	645.00	1600	2200	24022	24022	120	121	160	148	2	4.96
110	180	56	2	385.00	630.00	1600	2000	23122	23122	120	127	170	158	2	5.7
110	180	69	2	460.00	750.00	1600	2000	24122	24122	120	123	170	154	2	6.84
110	200	53	2.1	485.00	645.00	2200	2800	22222	22222	122	129	188	178	2	6.99
110	200	69.8	2.1	515.00	760.00	1500	1900	23222	23222	122	130	188	170	2	9.54



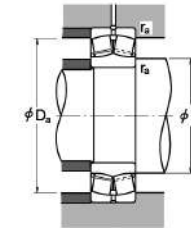
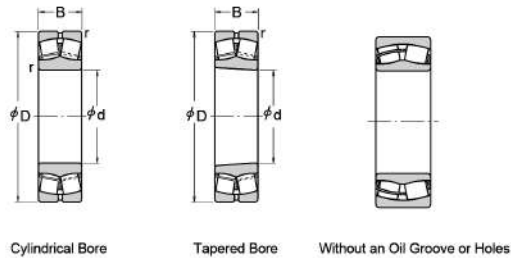
Boundary Dimensions				Basic Load Rating		Limiting Speed		Bearing Designation	Abutment and Fillet Dimensions					Mass Approx	
(mm)				(KN)		(rpm)			(mm)						
d	D	B	r	C _r	C _{or}	Grease	Oil	Cylindrical Bore	Tapered Bore K	d _a		D _a		r _a	(kg)
			(min)							(min)	(max)	(max)	(max)		
110	240	50	3	450.00	545.00	1300	1700	21322	21322	124	-	226	206	2.5	11.2
110	240	80	3	825.00	1120.00	1700	2200	22322	22322	124	145	226	206	2.5	17.6
120	180	46	2	315.00	525.00	1800	2200	23024	23024	130	134	170	163	2	4.11
120	180	60	2	395.00	705.00	1500	2000	24024	24024	130	131	170	158	2	5.33
120	200	62	2	465.00	720.00	1400	1800	23124	23124	130	138	190	175	2	7.85
120	200	80	2	575.00	950.00	1400	1800	24124	24124	130	136	190	171	2	10
120	215	58	2.1	550.00	765.00	2000	2600	22224	22224	132	142	203	190	2	8.8
120	215	76	2.1	630.00	970.00	1300	1700	23224	23224	132	140	203	182	2	12.1
120	260	86	3	955.00	1320.00	1600	2000	22324	22324	134	157	246	222	2.5	22.2
130	200	52	2	400.00	655.00	1700	2000	23026	23026	140	147	190	180	2	5.98
130	200	69	2	495.00	865.00	1400	1800	24026	24026	140	143	190	175	2	7.84
130	210	64	2	505.00	825.00	1300	1700	23126	23126	140	149	200	184	2	8.69
130	210	80	2	590.00	1010.00	1300	1700	24126	24126	140	146	200	180	2	10.7
130	230	64	3	655.00	940.00	1900	2400	22226	22226	144	152	216	204	2.5	11
130	230	80	3	700.00	1080.00	1200	1600	23226	23226	144	150	216	196	2.5	14.3
130	280	93	4	995.00	1350.00	1300	1600	22326	22326	148	166	262	236	3	28.1
140	210	53	2	420.00	715.00	1600	1900	23028	23028	150	157	200	190	2	6.49
140	210	69	2	525.00	945.00	1300	1700	24028	24028	150	154	200	186	2	8.37
140	225	68	2.1	580.00	945.00	1200	1600	23128	23128	152	158	213	198	2	10.5
140	225	85	2.1	670.00	1160.00	1200	1600	24128	24128	152	156	213	193	2	13
140	250	68	3	645.00	930.00	1400	1700	22228	22228	154	167	236	219	2.5	14.5
140	250	88	3	835.00	1300.00	1100	1500	23228	23228	154	163	236	213	2.5	18.8
140	300	102	4	1160.00	1590.00	1200	1500	22328	22328	158	177	282	253	3	35.4
150	225	56	2.1	470.00	815.00	1400	1800	23030	23030	162	168	213	203	2	7.9
150	225	75	2.1	590.00	1090.00	1200	1500	24030	24030	162	165	213	198	2	10.5
150	250	80	2.1	725.00	1180.00	1100	1400	23130	23130	162	174	238	218	2	15.8
150	250	100	2.1	890.00	1530.00	1100	1400	24130	24130	162	169	238	212	2	19.8
150	270	73	3	765.00	1120.00	1300	1600	22230	22230	164	179	256	236	2.5	18.4
150	270	96	3	975.00	1560.00	1100	1400	23230	23230	164	176	256	230	2.5	24.2
150	320	108	4	1220.00	1690.00	1100	1400	22330	22330	168	-	302	270	3	41.5



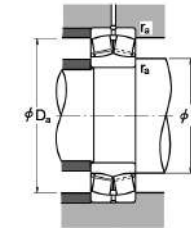
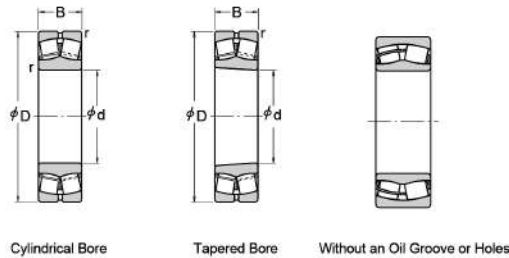
Boundary Dimensions				Basic Load Rating		Limiting Speed		Bearing Designation	Abutment and Fillet Dimensions					Mass Approx	
(mm)				(KN)		(rpm)			(mm)						
d	D	B	r	C _r	C _{or}	Grease	Oil	Cylindrical Bore	Tapered Bore K	d _a		D _a		r _a	(kg)
			(min)							(min)	(max)	(max)	(max)		
160	220	45	2	360.00	675.00	1400	1800	23932	23932	170	-	210	203	2	4.97
160	240	60	2.1	540.00	955.00	1300	1700	23032	23032	172	179	228	216	2	9.66
160	240	80	2.1	680.00	1260.00	1100	1400	24032	24032	172	177	228	212	2	12.7
160	270	86	2.1	855.00	1400.00	1000	1300	23132	23132	172	185	258	234	2	20.3
160	270	109	2.1	1040.00	1760.00	1000	1300	24132	24132	172	179	258	229	2	25.4
160	290	80	3	910.00	1320.00	1200	1500	22232	22232	174	190	276	255	2.5	23.1
160	290	104	3	1100.00	1770.00	1000	1300	23232	23232	174	189	276	245	2.5	30.5
160	340	114	4	1360.00	1900.00	1100	1300	22332	22332	178	-	322	287	3	49.3
170	230	45	2	350.00	660.00	1400	1800	23934	23934	180	-	220	213	2	5.38
170	260	67	2.1	640.00	1090.00	1200	1600	23034	23034	182	191	248	233	2	13
170	260	90	2.1	825.00	1520.00	1000	1300	24034	24034	182	188	248	228	2	17.3
170	280	88	2.1	940.00	1570.00	1000	1300	23134	23134	182	194	268	245	2	21.8
170	280	109	2.1	1080.00	1860.00	1000	1300	24134	24134	182	190	268	239	2	26.6
170	310	86	4	990.00	1500.00	1100	1400	22234	22234	188	206	292	270	3	28.8
170	310	110	4	1200.00	1910.00	900	1200	23234	23234	188	201	292	261	3	36.4
170	360	120	4	580.00	2110.00	1000	1200	22334	22334	188	-	342	304	3	57.9
180	250	52	2	470.00	890.00	1200	1600	23936	23936	190	-	240	230	2	7.64
180	280	74	2.1	750.00	1270.00	1200	1400	23036	23036	192	202	268	249	2	17.1
180	280	100	2.1	965.00	1750.00	950	1200	24036	24036	192	200	268	245	2	22.7
180	300	96	3	1050.00	1760.00	900	1200	23136	23136	194	206	286	260	2.5	27.5
180	300	118	3	1190.00	2040.00	900	1200	24136	24136	194	202	286	255	2.5	33.1
180	320	86	4	1020.00	1540.00	1100	1300	22236	22236	198	212	302	278	3	30.2
180	320	112	4	1300.00	2110.00	850	1100	23236	23236	198	211	302	274	3	38.9
180	380	126	4	1740.00	2340.00	950	1200	22336	22336	198	-	362	322	3	67
190	260	52	2	460.00	875.00	1200	1500	23938	23938	200	-	250	240	2	8.03
190	290	75	2.1	775.00	1350.00	1100	1400	23038	23038	202	-	278	261	2	17.6
190	290	100	2.1	975.00	1840.00	900	1200	24038	24038	202	210	278	253	2	24
190	320	104	3	1190.00	2020.00	850	1100	23138	23138	204	219	306	276	2.5	34.5
190	320	128	3	1370.00	2330.00	850	1100	24138	24138	204	211	306	269	2.5	41.5
190	340	92	4	1140.00	1730.00	1000	1200	22238	22238	208	-	322	296	3	35.5



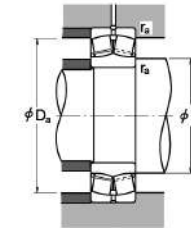
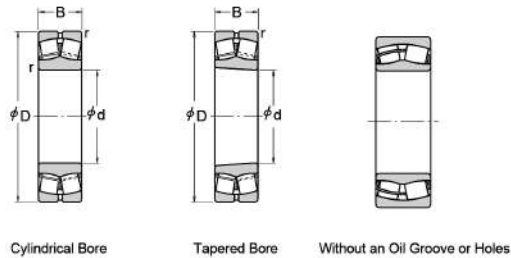
Boundary Dimensions				Basic Load Rating		Limiting Speed		Bearing Designation	Abutment and Fillet Dimensions					Mass Approx	
(mm)				(KN)		(rpm)			(mm)						
d	D	B	r	C _r	C _{or}	Grease	Oil	Cylindrical Bore	Tapered Bore K	d _a		D _a		r _a	(kg)
			(min)							(min)	(max)	(max)	(min)	(max)	
190	340	120	4	1440.00	2350.00	800	1100	23238	23238	208	222	322	288	3	47.6
190	400	132	5	1890.00	2590.00	900	1100	22338	22338	212	-	378	338	4	77.6
200	280	60	2.1	570.00	1060.00	1100	1400	23940	23940	212	-	268	258	2	11
200	310	82	2.1	940.00	1700.00	1000	1300	23040	23040	212	-	298	279	2	22.6
200	310	109	2.1	1140.00	2120.00	850	1100	24040	24040	212	223	298	271	2	30.4
200	340	112	3	1360.00	2330.00	800	1000	23140	23140	214	232	326	293	2.5	42.7
200	340	140	3	1570.00	2670.00	800	1000	24140	24140	214	226	326	290	2.5	51.3
200	360	98	4	1300.00	2010.00	950	1200	22240	22240	218	-	342	315	3	42.6
200	360	128	4	1660.00	2750.00	750	1000	23240	23240	218	237	342	307	3	57.1
200	420	138	5	2000.00	2990.00	850	1000	22340	22340	222	-	398	352	4	92.6
220	300	60	2.1	625.00	1240.00	1000	1300	23944	23944	232	-	288	278	2	12.2
220	340	90	3	1090.00	1980.00	950	1200	23044	23044	234	-	326	302	2.5	29.7
220	340	118	3	1360.00	2600.00	750	1000	24044	24044	234	244	326	296	2.5	40.5
220	370	120	4	1570.00	2710.00	710	950	23144	23144	238	254	352	320	3	53
220	370	150	4	1800.00	3200.00	710	950	24144	24144	238	248	352	313	3	66.7
220	400	108	4	1570.00	2430.00	850	1000	22244	22244	238	-	382	348	3	59
220	400	144	4	2020.00	3400.00	670	900	23244	23244	238	260	382	337	3	80.4
220	460	145	5	2350.00	3400.00	750	950	22344	22344	242	-	438	391	4	116
240	320	60	2.1	635.00	1300.00	950	1200	23948	23948	252	-	308	298	2	13.3
240	360	92	3	1160.00	2140.00	850	1100	23048	23048	254	-	346	324	2.5	32.6
240	360	118	3	1390.00	2730.00	710	950	24048	24048	254	265	346	317	2.5	43.4
240	400	128	4	1790.00	3100.00	670	850	23148	23148	258	275	382	347	3	66.9
240	400	160	4	2130.00	3800.00	670	850	24148	24148	258	268	382	341	3	79.5
240	440	120	4	1870.00	2890.00	750	950	22248	22248	258	-	422	383	3	80.2
240	440	160	4	2440.00	4050.00	630	800	23248	23248	258	-	422	372	3	106
240	500	155	5	2600.00	3800.00	670	850	22348	22348	262	-	478	423	4	147
260	360	75	2.1	930.00	1870.00	850	1000	23952	23952	272	-	348	333	2	23
260	400	104	4	1430.00	2580.00	800	950	23052	23052	278	-	382	356	3	46.6
260	400	140	4	1810.00	3500.00	630	850	24052	24052	278	-	382	348	3	62.6
260	440	144	4	2160.00	3750.00	600	800	23152	23152	278	-	422	380	3	88.2



Boundary Dimensions				Basic Load Rating		Limiting Speed		Bearing Designation	Mass Approx						
(mm)				(KN)		(rpm)									
d	D	B	r	C _r	C _{or}	Grease	Oil	Cylindrical Bore	Tapered Bore K	Abutment and Fillet Dimensions					
			(min)							d _a		D _a		r _a	(kg)
										(min)	(max)	(max)	(min)	(max)	
260	440	180	4	2560.00	4700.00	600	800	24152	24152	278	-	422	371	3	109
260	480	130	5	2180.00	3400.00	670	850	22252	22252	282	-	458	418	4	104
260	480	174	5	2740.00	4550.00	560	750	23252	23252	282	-	458	406	4	137
260	540	165	6	3100.00	4600.00	630	800	22352	22352	288	-	512	462	5	180
280	380	75	2.1	925.00	1950.00	800	950	23956	23956	292	-	368	351	2	24.5
280	420	106	4	1540.00	2950.00	710	900	23056	23056	298	-	402	377	3	50.5
280	420	140	4	1880.00	3800.00	600	800	24056	24056	298	-	402	369	3	66.4
280	460	146	5	2230.00	4000.00	560	750	23156	23156	302	-	438	400	4	94.3
280	460	180	5	2640.00	5000.00	560	750	24156	24156	302	-	438	392	4	115
280	500	130	5	2280.00	3650.00	630	800	22256	22256	302	-	478	439	4	110
280	500	176	5	2880.00	4900.00	530	670	23256	23256	302	-	478	425	4	147
280	580	175	6	3500.00	5150.00	560	710	22356	22356	308	-	552	496	5	221
300	420	90	3	1230.00	2490.00	710	900	23960	23960	314	-	406	386	2.5	38.2
300	460	118	4	1920.00	3700.00	670	850	23060	23060	318	-	442	413	3	70.5
300	460	160	4	2310.00	4600.00	530	710	24060	24060	318	-	442	400	3	93.6
300	500	160	5	2670.00	4800.00	500	670	23160	23160	322	-	478	433	4	125
300	500	200	5	3100.00	5800.00	500	670	24160	24160	322	-	478	423	4	152
300	540	140	5	2610.00	4250.00	600	750	22260	22260	322	-	518	473	4	139
300	540	192	5	3400.00	5900.00	480	630	23260	23260	322	-	518	458	4	189
320	440	90	3	1300.00	2750.00	670	850	23964	23964	334	-	426	406	2.5	40.6
320	480	121	4	1960.00	3850.00	630	800	23064	23064	338	-	462	432	3	75.6
320	480	160	4	2440.00	5050.00	500	670	24064	24064	338	-	462	422	3	99.7
320	540	176	5	3050.00	5500.00	480	600	23164	23164	342	-	518	466	4	162
320	540	218	5	3550.00	6650.00	480	600	24164	24164	342	-	518	456	4	196
320	580	150	5	2990.00	4850.00	530	670	22264	22264	342	-	558	508	4	174
320	580	208	5	3900.00	6900.00	450	600	23264	23264	342	-	558	488	4	239
340	460	90	3	1330.00	2840.00	630	800	23968	23968	354	-	446	427	2.5	42.4
340	520	133	5	2280.00	4400.00	560	710	23068	23068	362	-	498	465	4	101
340	520	180	5	2920.00	6050.00	480	600	24068	24068	362	-	498	454	4	135
340	580	190	5	3600.00	6600.00	430	560	23168	23168	362	-	558	499	4	206



Boundary Dimensions				Basic Load Rating		Limiting Speed		Bearing Designation	Abutment and Fillet Dimensions					Mass Approx	
(mm)				(KN)		(rpm)			(mm)						
d	D	B	r	C _r	C _{or}	Grease	Oil	Cylindrical Bore	Tapered Bore K	d _a		D _a		r _a	(kg)
			(min)							(min)	(max)	(max)	(min)	(max)	
340	580	243	5	4250.00	7900.00	430	560	24168	24168	362	-	558	489	4	257
340	620	224	6	4400.00	7800.00	400	530	23268	23268	368	-	592	521	5	295
360	480	90	3	1390.00	3050.00	600	750	23972	23972	374	-	466	447	2.5	44.7
360	540	134	5	2390.00	4700.00	530	670	23072	23072	382	-	518	485	4	106
360	540	180	5	2930.00	6100.00	450	600	24072	24072	382	-	518	476	4	139
360	600	192	5	3800.00	7100.00	400	530	23172	23172	382	-	578	520	4	217
360	600	243	5	4200.00	8000.00	400	530	24172	24172	382	-	578	507	4	264
360	650	232	6	4800.00	8550.00	380	500	23272	23272	388	-	622	549	5	342
380	520	106	4	1870.00	4100.00	530	670	23976	23976	398	-	502	482	3	65.4
380	560	135	5	2500.00	5100.00	530	630	23076	23076	402	-	538	506	4	113
380	560	180	5	3050.00	6600.00	430	560	24076	24076	402	-	538	496	4	148
380	620	194	5	4000.00	7600.00	400	500	23176	23176	402	-	598	540	4	229
380	620	243	5	4350.00	8450.00	400	500	24176	24176	402	-	598	529	4	275
380	680	240	6	5150.00	9200.00	360	480	23276	23276	408	-	652	578	5	372
400	540	106	4	1890.00	4250.00	530	630	23980	23980	418	-	522	501	3	69.1
400	600	148	5	2970.00	5900.00	480	600	23080	23080	422	-	578	540	4	146
400	600	200	5	3600.00	7600.00	400	500	24080	24080	422	-	578	527	4	193
400	650	200	6	4150.00	7900.00	380	480	23180	23180	428	-	622	569	5	257
400	650	250	6	4950.00	10100.00	380	480	24180	24180	428	-	622	551	5	316
400	720	256	6	5800.00	10400.00	340	450	23280	23280	428	-	692	610	5	449
420	560	106	4	1870.00	4250.00	500	600	23984	23984	438	-	542	521	3	71.6
420	620	150	5	2910.00	5850.00	450	560	23084	23084	442	-	598	562	4	151
420	620	200	5	3750.00	8100.00	380	480	24084	24084	442	-	598	549	4	199
420	700	224	6	5000.00	9400.00	340	450	23184	23184	448	-	672	607	5	341
420	700	280	6	6000.00	12000.00	340	450	24184	24184	448	-	672	598	5	421
420	760	272	7.5	6450.00	11700.00	320	430	23284	23284	456	-	724	644	6	534
440	600	118	4	2190.00	4800.00	450	560	23988	23988	458	-	582	555	3	96.3
440	650	157	6	3150.00	6350.00	430	530	23088	23088	468	-	622	587	5	173
440	650	212	6	4150.00	9100.00	360	450	24088	24088	468	-	622	576	5	237
440	720	226	6	5300.00	10300.00	320	430	23188	23188	468	-	692	627	5	360



Boundary Dimensions				Basic Load Rating		Limiting Speed		Bearing Designation	Abutment and Fillet Dimensions					Mass Approx	
(mm)				(KN)		(rpm)			(mm)						
d	D	B	r	C _r	C _{or}	Grease	Oil	Cylindrical Bore	Tapered Bore K	d _a		D _a		r _a	(kg)
			(min)							(min)	(max)	(min)	(max)		
440	720	280	6	6000.00	12100.00	320	430	24188	24188	468	-	692	617	5	433
440	790	280	7.5	6900.00	12800.00	300	400	23288	23288	476	-	754	669	6	594
460	620	118	4	2220.00	4950.00	430	530	23992	23992	478	-	602	575	3	100
460	680	163	6	3450.00	7100.00	400	500	23092	23092	488	-	652	615	5	201
460	680	218	6	4500.00	9950.00	340	430	24092	24092	488	-	652	604	5	266
460	760	240	7.5	5700.00	10900.00	300	400	23192	23192	496	-	724	661	6	423
460	760	300	7.5	6300.00	12400.00	300	400	24192	24192	496	-	724	646	6	512
460	830	296	7.5	7350.00	13700.00	280	380	23292	23292	496	-	794	702	6	691
480	650	128	5	2580.00	5850.00	400	500	23996	23996	502	-	628	602	4	121
480	700	165	6	3800.00	7950.00	400	480	23096	23096	508	-	672	633	5	211
480	700	218	6	4600.00	10200.00	320	430	24096	24096	508	-	672	625	5	270
480	790	248	7.5	6050.00	11700.00	300	380	23196	23196	516	-	754	688	6	475
480	790	308	7.5	7150.00	14600.00	300	380	24196	24196	516	-	754	670	6	567
480	870	310	7.5	7850.00	14400.00	260	360	23296	23296	516	-	834	733	6	795
500	670	128	5	2460.00	5550.00	400	500	239/500	239/500	522	-	648	622	4	124
500	720	167	6	3750.00	8100.00	380	480	230/500	230/500	528	-	692	655	5	220
500	720	218	6	4450.00	9900.00	300	400	240/500	240/500	528	-	692	643	5	276
500	830	264	7.5	6850.00	13400.00	280	360	231/500	231/500	536	-	794	720	6	567
500	830	325	7.5	8000.00	16000.00	280	360	241/500	241/500	536	-	794	703	6	666
500	920	336	7.5	9000.00	16600.00	260	320	232/500	232/500	536	-	884	773	6	969
530	710	136	5	2930.00	6800.00	360	450	239/530	239/530	552	-	688	659	4	149
530	780	185	6	4400.00	9200.00	340	430	230/530	230/530	558	-	752	706	5	298
530	780	250	6	5400.00	11800.00	280	360	240/530	240/530	558	-	752	690	5	390
530	870	272	7.5	7150.00	14100.00	260	340	231/530	231/530	566	-	834	758	6	628
530	870	335	7.5	8500.00	17500.00	260	340	241/530	241/530	566	-	834	740	6	773
530	980	355	9.5	10100.00	18800.00	240	300	232/530	232/530	574	-	936	824	8	1170