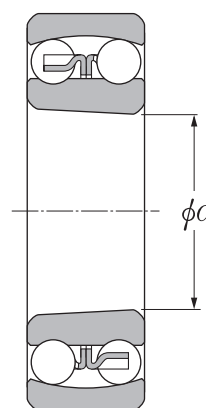


Cylindrical bore

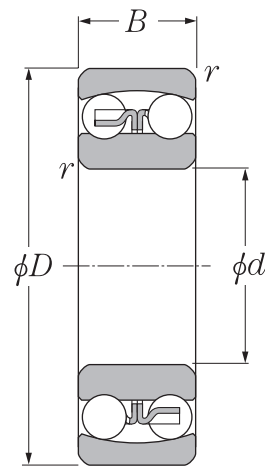


Tapered bore

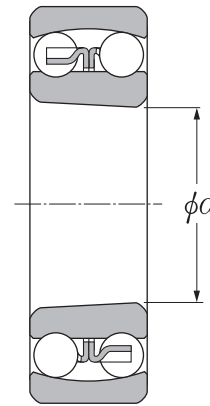
d 10~35mm

d	Boundary dimensions			Basic load ratings				Limiting speeds		Bearing numbers		Mass kg (approx.)
	D	B	r _{s min}	dynamic kN	static kN	dynamic kgf	static kgf	grease	oil	cylindrical bore	tapered bore	
10	30	9	0.6	5.55	1.19	570	121	22 000	28 000	1200	—	0.033
	30	14	0.6	7.45	1.59	760	162	24 000	28 000	2200	—	0.042
	35	11	0.6	7.35	1.62	750	165	20 000	24 000	1300	—	0.057
	35	17	0.6	9.20	2.01	935	205	18 000	22 000	2300	—	0.077
12	32	10	0.6	5.70	1.27	580	130	22 000	26 000	1201	—	0.039
	32	14	0.6	7.75	1.73	790	177	22 000	26 000	2201	—	0.048
	37	12	1.0	9.65	2.16	985	221	18 000	22 000	1301	—	0.066
	37	17	1.0	12.10	2.73	1 240	278	17 000	22 000	2301	—	0.082
15	35	11	0.6	7.60	1.75	775	179	18 000	22 000	1202	—	0.051
	35	14	0.6	7.80	1.85	795	188	18 000	22 000	2202	—	0.055
	42	13	1.0	9.70	2.29	990	234	16 000	20 000	1302	—	0.093
	42	17	1.0	12.30	2.91	1 250	296	14 000	18 000	2302	—	0.108
17	40	12	0.6	8.00	2.01	815	205	16 000	20 000	1203	—	0.072
	40	16	0.6	9.95	2.42	1 010	247	16 000	20 000	2203	—	0.085
	47	14	1.0	12.70	3.20	1 300	325	14 000	17 000	1303	—	0.130
	47	19	1.0	14.70	3.55	1 500	365	13 000	16 000	2303	—	0.150
20	47	14	1.0	10.0	2.61	1 020	266	14 000	17 000	1204	1204K	0.120
	47	18	1.0	12.8	3.30	1 310	340	14 000	17 000	2204	2204K	0.133
	52	15	1.1	12.6	3.35	1 280	340	12 000	15 000	1304	1304K	0.150
	52	21	1.1	18.5	4.70	1 880	480	11 000	14 000	2304	2304K	0.193
25	52	15	1.0	12.2	3.30	1 250	335	12 000	14 000	1205	1205K	0.140
	52	18	1.0	12.4	3.45	1 270	350	12 000	14 000	2205	2205K	0.150
	62	17	1.1	18.2	5.00	1 850	510	10 000	13 000	1305	1305K	0.255
	62	24	1.1	24.9	6.60	2 530	675	9 500	12 000	2305	2305K	0.319
30	62	16	1.0	15.8	4.65	1 610	475	10 000	12 000	1206	1206K	0.220
	62	20	1.0	15.3	4.55	1 560	460	10 000	12 000	2206	2206K	0.249
	72	19	1.1	21.4	6.30	2 190	645	8 500	11 000	1306	1306K	0.385
	72	27	1.1	32.0	8.75	3 250	895	8 000	10 000	2306	2306K	0.480
35	72	17	1.1	15.9	5.10	1 620	520	8 500	10 000	1207	1207K	0.320
	72	23	1.1	21.7	6.60	2 210	675	8 500	10 000	2207	2207K	0.378

K-Indicates bearings with tapered bore with ratio 1:12



Cylindrical bore

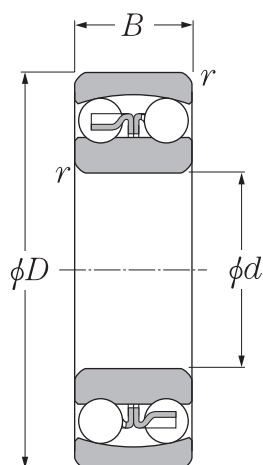


Tapered bore

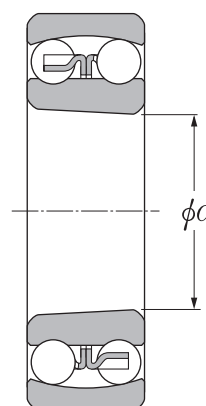
d 35~70mm

Boundary dimensions				Basic load ratings				Limiting speeds		Bearing numbers		Mass
mm				dynamic	static	dynamic	static	min ⁻¹		cylindrical bore	tapered bore	kg
d	D	B	r _{s min}	C _r	C _{or}	C _r	C _{or}	grease	oil			(approx.)
				kN		kgf						
35	80	21	1.5	25.3	7.85	2 580	800	7 500	9 500	1307	1307K	0.510
	80	31	1.5	40.0	11.30	4 100	1 150	7 100	9 000	2307	2307K	0.642
40	80	18	1.1	19.3	6.50	1 970	665	7 500	9 000	1208	1208K	0.415
	80	23	1.1	22.4	7.35	2 290	750	7 500	9 000	2208	2208K	0.477
	90	23	1.5	29.8	9.70	3 050	990	6 700	8 500	1308	1308K	0.715
	90	33	1.5	45.5	13.50	4 650	1 380	6 300	8 000	2308	2308K	0.889
45	85	19	1.1	22.0	7.35	2 240	750	7 100	8 500	1209	1209K	0.465
	85	23	1.1	23.3	8.15	2 380	830	7 100	8 500	2209	2209K	0.522
	100	25	1.5	38.5	12.70	3 900	1 300	6 000	7 500	1309	1309K	0.955
	100	36	1.5	55.0	16.70	5 600	1 700	5 600	7 100	2309	2309K	1.200
50	90	20	1.1	22.8	8.10	2 330	830	6 300	8 000	1210	1210K	0.525
	90	23	1.1	23.3	8.45	2 380	865	6 300	8 000	2210	2210K	0.564
	110	27	2.0	43.5	14.10	4 450	1 440	5 600	6 700	1310	1310K	1.250
	110	40	2.0	65.0	20.20	6 650	2 060	5 000	6 300	2310	2310K	1.580
55	100	21	1.5	26.9	10.00	2 750	1 020	6 000	7 100	1211	1211K	0.705
	100	25	1.5	26.7	9.90	2 720	1 010	6 000	7 100	2211	2211K	0.746
	120	29	2.0	51.5	17.90	5 250	1 820	5 000	6 300	1311	1311K	1.600
	120	43	2.0	76.5	24.00	7 800	2 450	4 800	6 000	2311	2311K	2.030
60	110	22	1.5	30.5	11.50	3 100	1 180	5 300	6 300	1212	1212K	0.900
	110	28	1.5	34.0	12.60	3 500	1 290	5 300	6 300	2212	2212K	1.030
	130	31	2.1	57.5	20.80	5 900	2 130	4 500	5 600	1312	1312K	2.030
	130	46	2.1	88.5	28.30	9 000	2 880	4 300	5 300	2312	2312K	2.570
65	120	23	1.5	31.0	12.50	3 150	1 280	4 800	6 000	1213	1213K	1.150
	120	31	1.5	43.5	16.40	4 450	1 670	4 800	6 000	2213	2213K	1.400
	140	33	2.1	62.5	22.90	6 350	2 330	4 300	5 300	1313	1313K	2.540
	140	48	2.1	97.0	32.50	9 900	3 300	3 800	4 800	2313	2313K	3.200
70	125	24	1.5	35.0	13.80	3 550	1 410	4 800	5 600	1214	1214K	1.300
	125	31	1.5	44.0	17.10	4 500	1 740	4 500	5 600	2214	2214K	1.520
	150	35	2.1	75.0	27.70	7 650	2 830	4 000	5 000	1314	1314K	3.190
	150	51	2.1	111.0	37.50	11 300	3 850	3 600	4 500	2314	2314K	3.900

K-Indicates bearings with tapered bore with ratio 1:12



Cylindrical bore



Tapered bore

d 75~100mm

d	Boundary dimensions			Basic load ratings				Limiting speeds		Bearing numbers		Mass kg (approx.)
	mm			dynamic	static	dynamic	static	min ⁻¹		cylindrical bore	tapered bore	
	D	B	r _{s min}	C _r kN	C _{or}	C _r kgf	C _{or}	grease	oil			
75	130	25	1.5	39.0	15.7	4 000	1 600	4 300	5 300	1215	1215K	1.410
	130	31	1.5	44.5	17.8	4 550	1 820	4 300	5 300	2215	2215K	1.600
	160	37	2.1	80.0	30.0	8 150	3 050	3 800	4 500	1315	1315K	3.650
	160	55	2.1	125.0	43.0	12 700	4 400	3 400	4 300	2315	2315K	4.770
80	140	26	2.0	40.0	17.0	4 100	1 730	4 000	5 000	1216	1216K	1.730
	140	33	2.0	49.0	19.9	5 000	2 030	4 000	5 000	2216	2216K	1.970
	170	39	2.1	89.0	33.0	9 100	3 400	3 600	4 300	1316	1316K	4.310
	170	58	2.1	130.0	45.0	13 200	4 600	3 200	4 000	2316	2316K	5.540
85	150	28	2.0	49.5	20.8	5 050	2 120	3 800	4 500	1217	1217K	2.090
	150	36	2.0	58.5	23.6	5 950	2 400	3 800	4 800	2217	2217K	2.480
	180	41	3.0	98.5	38.0	10 000	3 850	3 400	4 000	1317	1317K	5.130
	180	60	3.0	142.0	51.5	14 500	5 250	3 000	3 800	2317	2317K	6.560
90	160	30	2.0	57.5	23.5	5 850	2 400	3 600	4 300	1218	1218K	2.550
	160	40	2.0	70.5	28.7	7 200	2 930	3 600	4 300	2218	2218K	3.130
	190	43	3.0	117.0	44.5	12 000	4 550	3 200	3 800	1318	1318K	5.940
	190	64	3.0	154.0	57.5	15 700	5 850	2 800	3 600	2318	2318K	7.760
95	170	32	2.1	64.0	27.1	6 550	2 770	3 400	4 000	1219	1219K	3.210
	170	43	2.1	84.0	34.5	8 550	3 500	3 400	4 000	2219	2219K	3.870
	200	45	3.0	129.0	51.0	13 200	5 200	3 000	3 600	1319	1319K	6.840
	200	67	3.0	161.0	64.5	16 400	6 550	2 800	3 400	2319	2319K	9.010
100	180	34	2.1	69.5	29.7	7 100	3 050	3 200	3 800	1220	1220K	3.820
	180	46	2.1	94.5	38.5	9 650	3 900	3 200	3 800	2220	2220K	4.530
	215	47	3.0	140.0	57.5	14 300	5 850	2 800	3 400	1320	1320K	8.460
	215	73	3.0	187.0	79.0	19 100	8 050	2 400	3 200	2320	2320K	11.600

K-Indicates bearings with tapered bore with ratio 1:12