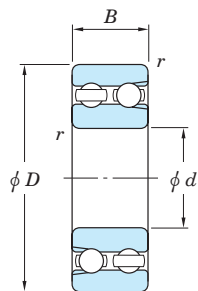


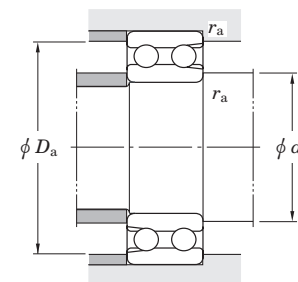
Double-row deep groove ball bearings

d 10 ~ (60) mm



Boundary dimensions (mm)				Basic load ratings (kN)		Factor f_0	Limiting speeds (min ⁻¹)		Bearing No.	Mounting dimensions (mm)			(Refer.) Mass (kg)
d	D	B	$r_{min.}$	C_r	C_{Or}		Grease lub.	Oil lub.		d_a min.	D_a max.	r_a max.	
10	30	14	0.6	7.70	5.90	13.0	15 000	20 000	4200	14	26	0.6	0.057
12	32	14	0.6	7.75	6.15	13.6	14 000	18 000	4201	16	28	0.6	0.062
15	35	14	0.6	9.75	9.00	14.2	12 000	16 000	4202	19	31	0.6	0.071
	42	17	1	13.1	11.7	13.7	11 000	14 000	4302	20	37	1	0.123
17	40	16	0.6	11.7	10.4	14.1	11 000	14 000	4203	21	36	0.6	0.106
	47	19	1	16.5	15.0	13.7	9 400	13 000	4303	22	42	1	0.171
20	47	18	1	16.4	16.0	14.2	9 000	12 000	4204	25	42	1	0.165
	52	21	1.1	19.5	17.0	13.5	8 300	11 000	4304	26.5	45.5	1	0.227
25	52	18	1	16.3	16.9	15.0	7 500	9 900	4205	30	47	1	0.189
	62	24	1.1	26.3	25.7	14.1	6 700	9 000	4305	31.5	55.5	1	0.365
30	62	20	1	22.0	24.7	15.1	6 400	8 500	4206	35	57	1	0.298
	72	27	1.1	35.5	35.9	14.0	5 700	7 600	4306	36.5	65.5	1	0.542
35	72	23	1.1	26.4	30.7	15.2	5 600	7 400	4207	41.5	65.5	1	0.460
	80	31	1.5	40.6	41.8	14.1	5 200	7 000	4307	43	72	1.5	0.752
40	80	23	1.1	33.7	42.4	15.5	4 700	6 300	4208	46.5	73.5	1	0.558
	90	33	1.5	46.0	48.8	14.7	4 600	6 100	4308	48	82	1.5	1.01
45	85	23	1.1	31.9	43.9	15.8	4 600	6 100	4209	51.5	78.5	1	0.605
	100	36	1.5	57.6	62.4	14.3	4 100	5 500	4309	53	92	1.5	1.35
50	90	23	1.1	31.4	44.6	16.1	4 200	5 600	4210	56.5	83.5	1	0.651
	110	40	2	70.4	77.7	14.2	3 700	5 000	4310	59	101	2	1.80
55	100	25	1.5	37.2	54.1	16.1	3 800	5 000	4211	63	92	1.5	0.882
	120	43	2	84.2	94.4	14.2	3 400	4 600	4311	64	111	2	2.29
60	110	28	1.5	47.9	67.6	15.9	3 500	4 700	4212	68	102	1.5	1.20

d (60) ~ 75 mm



Boundary dimensions (mm)				Basic load ratings (kN)		Factor f_0	Limiting speeds (min ⁻¹)		Bearing No.	Mounting dimensions (mm)			(Refer.) Mass (kg)
d	D	B	$r_{min.}$	C_r	C_{Or}		Grease lub.	Oil lub.		d_a min.	D_a max.	r_a max.	
60	130	46	2.1	99.2	113	14.1	3 100	4 200	4312	71	119	2	2.87
65	120	31	1.5	54.7	78.5	15.9	3 200	4 300	4213	73	112	1.5	1.59
	140	48	2.1	107	124	14.3	2 900	3 900	4313	76	129	2	3.46
70	125	31	1.5	62.1	89.8	15.8	3 100	4 100	4214	78	117	1.5	1.68
	150	51	2.1	115	136	14.4	2 700	3 600	4314	81	139	2	4.21
75	130	31	1.5	61.6	90.7	16.0	2 900	3 900	4215	83	122	1.5	1.77
	160	55	2.1	132	158	14.4	2 500	3 400	4315	86	149	2	5.15