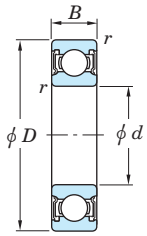
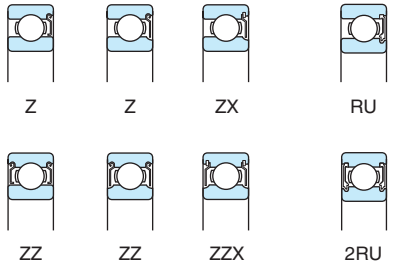
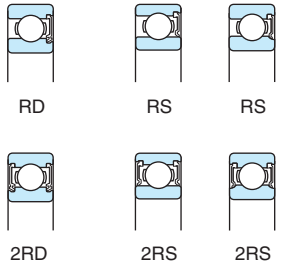
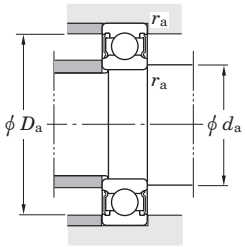
shielded type
sealed type
d 40 ~ (65) mm









Boundary dimensions (mm)				Basic load ratings (kN)		Fatigue load limit (kN)	Factor	Limiting speeds (min⁻¹) Grease lub.			Oil lub.	Bearing No.				Mounting dimensions. (mm)				(Refer.) Mass
d	D	B	r min.	C_r	C_{0r}	C_u	f_0	Z, ZZ RU, 2RU	(RD, 2RD)	(RS, 2RS)	(Z)	Shielded	Non-contact sealed	Extremely light contact sealed	Contact sealed	d_a min.	d_a max.	D_a max.	r_a max.	Open type (kg)
40	52	7	0.3	6.15	4.20	0.180	16.3	12 000	11 000	6 700	14 000	**6808 ZZ**	**6808 2RU**	**6808 2RD**	**6808 2RS**	42	42	50	0.3	0.033
	62	12	0.6	17.1	9.95	0.570	15.6	11 000	9 900	6 100	13 000	**6908 ZZ**	**6908 2RU**	**6908 2RD**	**6908 2RS**	44	44.5	58	0.6	0.112
	68	15	1	20.9	11.5	0.690	15.2	10 000	9 000	5 800	12 000	**6008 ZZ**	**6008 2RU**	**6008 2RD**	**6008 2RS**	45	46.5	63	1	0.192
	80	18	1.1	36.4	17.8	1.25	14.0	8 300	7 500	5 400	10 000	**6208 ZZ**	**6208 2RU**	**6208 2RD**	**6208 2RS**	46.5	49	73.5	1	0.366
	90	23	1.5	50.9	24.0	1.85	13.2	7 700	6 900	5 100	9 200	**6308 ZZ**	**6308 2RU**	**6308 2RD**	**6308 2RS**	48	51.5	82	1.5	0.633
45	58	7	0.3	7.75	5.40	0.230	16.3	11 000	9 900	5 900	13 000	**6809 ZZ**	**6809 2RU**	**6809 2RD**	**6809 2RS**	47	47	56	0.3	0.040
	68	12	0.6	17.7	10.9	0.600	15.9	9 700	8 700	5 500	11 000	**6909 ZZ**	**6909 2RU**	**6909 2RD**	**6909 2RS**	49	50	64	0.6	0.132
	75	16	1	26.2	15.1	0.900	15.3	9 200	8 300	5 300	11 000	**6009 ZZ**	**6009 2RU**	**6009 2RD**	**6009 2RS**	50	51.5	70	1	0.245
	85	19	1.1	40.9	20.3	1.40	14.0	7 700	6 900	5 100	9 200	**6209 ZZ**	**6209 2RU**	**6209 2RD**	**6209 2RS**	51.5	53.5	78.5	1	0.407
	100	25	1.5	61.1	29.5	2.25	13.3	6 800	6 100	4 500	8 100	**6309 ZZ**	**6309 2RU**	**6309 2RD**	**6309 2RS**	53	59.5	92	1.5	0.833
50	65	7	0.3	8.20	6.10	0.260	16.1	9 600	8 600	5 200	11 000	**6810 ZZ**	**6810 2RU**	**6810 2RD**	**6810 2RS**	52	53	63	0.3	0.052
	72	12	0.6	18.2	11.7	0.640	16.1	9 000	—	5 000	11 000	**6910 ZZ**	**6910 2RU**	—	—	54	55.5	68	0.6	0.133
	80	16	1	27.3	16.6	0.960	15.6	8 400	7 600	4 800	9 900	**6010 ZZ**	**6010 2RU**	**6010 2RD**	**6010 2RS**	55	57	75	1	0.261
	90	20	1.1	43.9	23.3	1.55	14.4	7 100	6 400	4 600	8 500	**6210 ZZ**	**6210 2RU**	**6210 2RD**	**6210 2RS**	56.5	59	83.5	1	0.463
	110	27	2	77.5	38.3	2.90	13.2	6 100	5 500	4 100	7 300	**6310 ZZ**	**6310 2RU**	**6310 2RD**	**6310 2RS**	59	66.5	101	2	1.07
55	72	9	0.3	11.0	8.10	0.420	16.2	8 700	7 800	—	10 000	**6811 ZZ**	**6811 2RU**	**6811 2RD**	—	57	58.5	70	0.3	0.083
	80	13	1	20.8	14.1	0.760	16.2	8 100	7 300	4 500	9 600	**6911 ZZ**	**6911 2RU**	**6911 2RD**	**6911 2RS**	60	60.5	75	1	0.185
	90	18	1.1	35.3	21.2	1.25	15.3	7 600	6 800	4 300	8 900	**6011 ZZ**	**6011 2RU**	**6011 2RD**	**6011 2RS**	61.5	62	83.5	1	0.385
	100	21	1.5	54.2	29.4	1.95	14.4	6 300	5 700	4 100	7 600	**6211 ZZ**	**6211 2RU**	**6211 2RD**	**6211 2RS**	63	66	92	1.5	0.607
	120	29	2	89.5	45.0	3.45	13.2	5 600	—	3 700	6 700	**6311 ZZ**	**6311 2RU**	—	**6311 2RS**	64	74.5	111	2	1.37
60	78	10	0.3	14.3	10.6	0.550	16.3	8 000	7 200	—	9 400	**6812 ZZ**	**6812 2RU**	**6812 2RD**	—	62	63	76	0.3	0.104
	85	13	1	25.2	17.3	0.940	16.2	7 500	—	—	8 900	**6912 ZZ**	**6912 2RU**	—	—	65	66	80	1	0.192
	95	18	1.1	36.8	23.2	1.35	15.6	7 100	—	4 000	8 400	**6012 ZZ**	**6012 2RU**	—	**6012 2RS**	66.5	68.5	88.5	1	0.415
	110	22	1.5	65.6	36.2	2.40	14.4	5 700	5 100	3 700	6 900	**6212 ZZ**	**6212 2RU**	**6212 2RD**	**6212 2RS**	68	72.5	102	1.5	0.783
	130	31	2.1	102	52.2	3.95	13.2	5 200	—	3 500	6 200	**6312 ZZ**	**6312 2RU**	—	**6312 2RS**	71	80	119	2	1.70
65	85	10	0.6	14.9	11.5	0.590	16.2	7 300	6 600	—	8 600	**6813 ZZ**	**6813 2RU**	**6813 2RD**	—	69	69	81	0.6	0.126
	90	13	1	21.7	16.1	0.830	16.6	7 100	6 400	3 900	8 400	**6913 ZZ**	**6913 2RU**	**6913 2RD**	**6913 2RS**	70	71	85	1	0.211

[Remark] Standard cage types used for the above bearings are described earlier in this section.