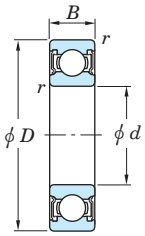
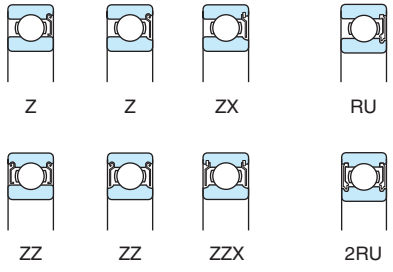
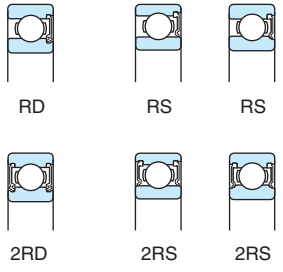
shielded type
sealed type
d 10 ~ (20) mm

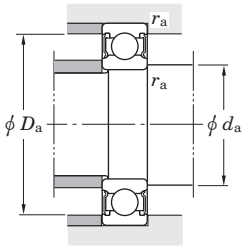




Shielded — Non-contact sealed



Extremely light contact sealed — Contact sealed



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)
10	19	5	0.3	2.15	0.840	0.030	14.8	37 000	—	22 000	43 000	**6800 ZZ**	**6800 2RU**	—	**6800 2RS**	12	12	17	0.3	0.005
	22	6	0.3	3.35	1.25	0.070	14.0	34 000	—	21 000	41 000	**6900 ZZ**	**6900 2RU**	—	**6900 2RS**	12	12.5	20	0.3	0.010
	26	8	0.3	5.70	1.95	0.100	12.3	31 000	28 000	19 000	36 000	**6000 ZZ**	**6000 2RU**	**6000 2RD**	**6000 2RS**	12	13	24	0.3	0.019
	30	9	0.6	6.40	2.40	0.120	13.2	24 000	22 000	16 000	29 000	**6200 ZZ**	**6200 2RU**	**6200 2RD**	**6200 2RS**	14	15	26	0.6	0.032
	35	11	0.6	10.1	3.45	0.270	11.2	22 000	20 000	16 000	27 000	**6300 ZZ**	**6300 2RU**	**6300 2RD**	**6300 2RS**	14	16	31	0.6	0.053
12	18	4	0.2	1.15	0.530	0.023	16.2	34 000	—	20 000	41 000	**6701 ZZX**	**6701 2RU**	—	**6701 2RS**	13.6	—	16.4	0.2	0.003
	21	5	0.3	2.40	1.05	0.040	15.3	33 000	30 000	20 000	39 000	**6801 ZZ**	**6801 2RU**	**6801 2RD**	**6801 2RS**	14	14	19	0.3	0.006
	24	6	0.3	3.60	1.45	0.080	14.5	31 000	28 000	18 000	36 000	**6901 ZZ**	**6901 2RU**	**6901 2RD**	**6901 2RS**	14	14	22	0.3	0.011
	28	8	0.3	6.40	2.40	0.120	13.2	27 000	24 000	17 000	32 000	**6001 ZZ**	**6001 2RU**	**6001 2RD**	**6001 2RS**	14	15	26	0.3	0.022
	32	10	0.6	8.50	3.05	0.240	12.3	22 000	20 000	15 000	27 000	**6201 ZZ**	**6201 2RU**	**6201 2RD**	**6201 2RS**	16	16.5	28	0.6	0.037
	37	12	1	12.1	4.20	0.420	11.1	20 000	18 000	15 000	25 000	**6301 ZZ**	**6301 2RU**	**6301 2RD**	**6301 2RS**	17	17.5	32	1	0.060
15	21	4	0.2	1.15	0.580	0.024	16.7	29 000	—	16 000	35 000	**6702 ZZX**	**6702 2RU**	—	**6702 2RS**	16.6	—	19.4	0.2	0.004
	24	5	0.3	2.60	1.25	0.050	15.8	28 000	—	16 000	33 000	**6802 ZZ**	**6802 2RU**	—	**6802 2RS**	17	17	22	0.3	0.007
	28	7	0.3	5.40	2.25	0.120	14.3	26 000	23 000	15 000	30 000	**6902 ZZ**	**6902 2RU**	**6902 2RD**	**6902 2RS**	17	18	26	0.3	0.017
	32	9	0.3	7.00	2.85	0.150	13.9	23 000	21 000	14 000	27 000	**6002 ZZ**	**6002 2RU**	**6002 2RD**	**6002 2RS**	17	18.5	30	0.3	0.030
	35	11	0.6	9.55	3.75	0.290	13.2	20 000	18 000	13 000	24 000	**6202 ZZ**	**6202 2RU**	**6202 2RD**	**6202 2RS**	19	19.5	31	0.6	0.045
	42	13	1	14.3	5.45	0.460	12.3	17 000	15 000	12 000	20 000	**6302 ZZ**	**6302 2RU**	**6302 2RD**	**6302 2RS**	20	21.5	37	1	0.082
17	23	4	0.2	1.25	0.660	0.027	16.9	27 000	—	15 000	32 000	**6703 ZZ**	**6703 2RU**	—	**6703 2RS**	18.6	—	21.4	0.2	0.005
	26	5	0.3	3.30	1.55	0.060	15.7	26 000	—	14 000	30 000	**6803 ZZ**	**6803 2RU**	—	**6803 2RS**	19	19	24	0.3	0.008
	30	7	0.3	5.75	2.55	0.130	14.7	23 000	21 000	13 000	28 000	**6903 ZZ**	**6903 2RU**	**6903 2RD**	**6903 2RS**	19	19.5	28	0.3	0.018
	35	10	0.3	7.50	3.25	0.170	14.4	21 000	19 000	12 000	25 000	**6003 ZZ**	**6003 2RU**	**6003 2RD**	**6003 2RS**	19	21	33	0.3	0.039
	40	12	0.6	12.0	4.80	0.370	13.2	17 000	15 000	12 000	21 000	**6203 ZZ**	**6203 2RU**	**6203 2RD**	**6203 2RS**	21	22	36	0.6	0.065
	47	14	1	17.0	6.65	0.550	12.4	15 000	14 000	10 000	18 000	**6303 ZZ**	**6303 2RU**	**6303 2RD**	**6303 2RS**	22	24.3	42	1	0.115
20	27	4	0.2	1.30	0.730	0.030	16.1	23 000	—	12 000	27 000	**6704 ZZ**	**6704 2RU**	—	**6704 2RS**	21.6	—	25.4	0.2	0.006
	32	7	0.3	5.00	2.45	0.100	15.5	21 000	—	12 000	25 000	**6804 ZZ**	**6804 2RU**	—	**6804 2RS**	22	22.5	30	0.3	0.018
	37	9	0.3	7.95	3.70	0.190	14.7	19 000	17 000	11 000	23 000	**6904 ZZ**	**6904 2RU**	**6904 2RD**	**6904 2RS**	22	23.5	35	0.3	0.036
	42	12	0.6	11.7	5.05	0.350	13.9	17 000	15 000	10 000	21 000	**6004 ZZ**	**6004 2RU**	**6004 2RD**	**6004 2RS**	24	25	38	0.6	0.069
	47	14	1	16.0	6.65	0.510	13.2	15 000	14 000	9 700	17 000	**6204 ZZ**	**6204 2RU**	**6204 2RD**	**6204 2RS**	25	26.5	42	1	0.106

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