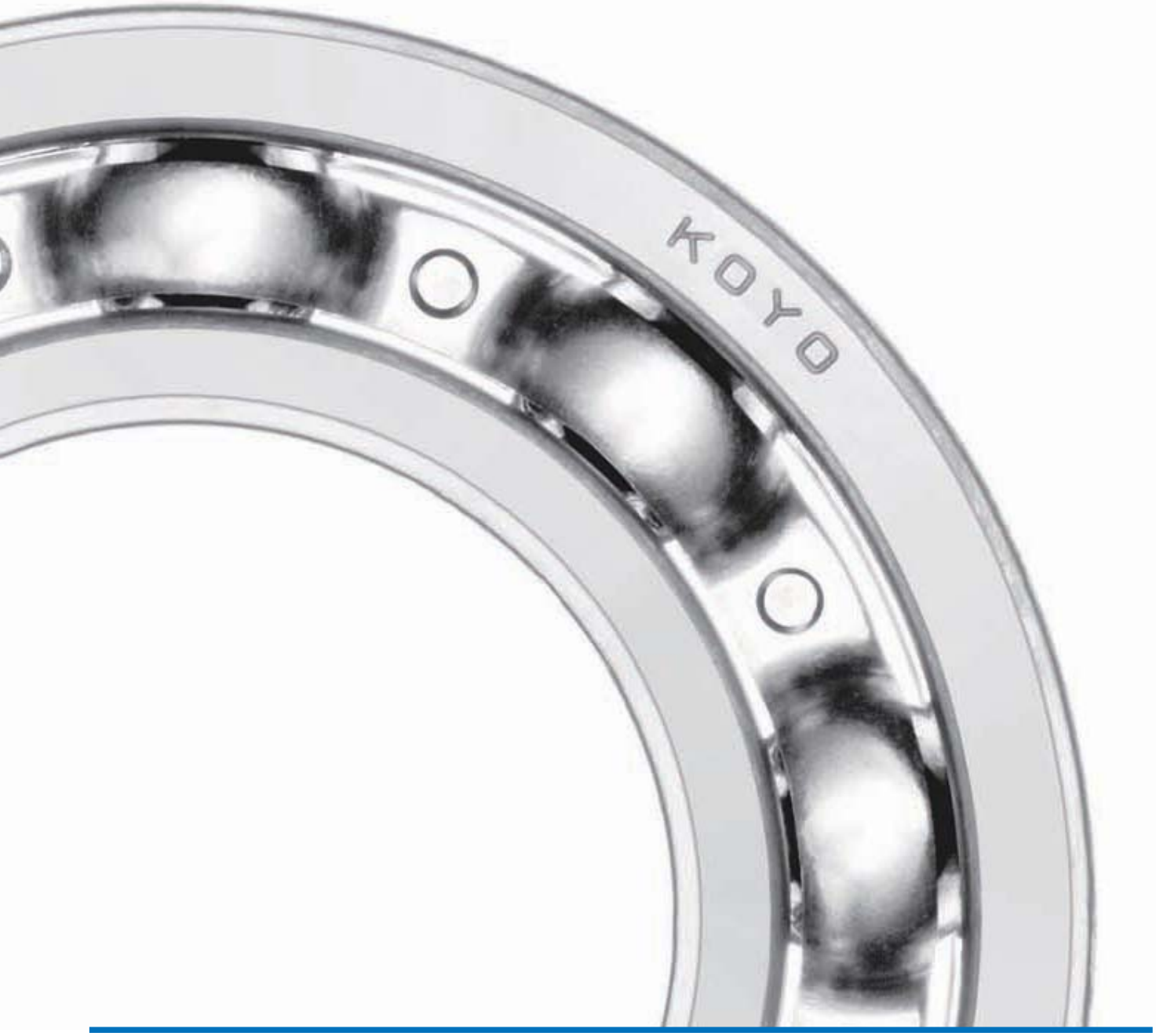
Koyo®

Ball & Roller Bearings

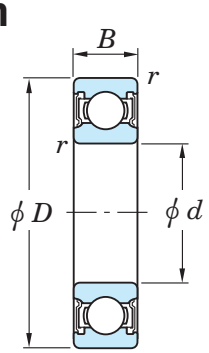


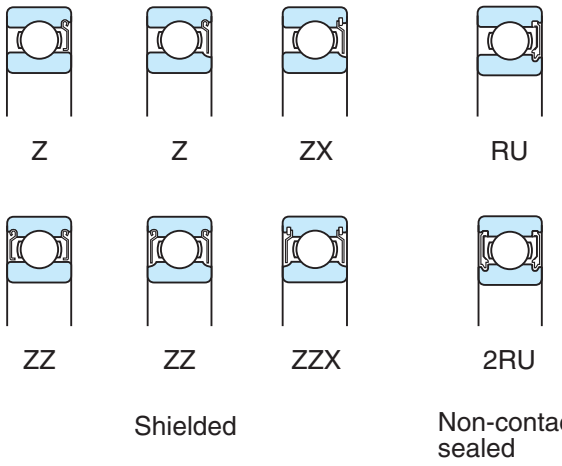
JTEKT

JTEKT CORPORATION

CAT. NO. B2001E-3

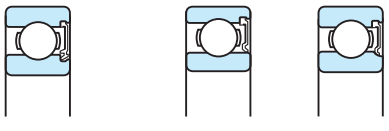
Single-row deep groove ball bearings
shielded type
sealed type
d 10 ~ (22) mm





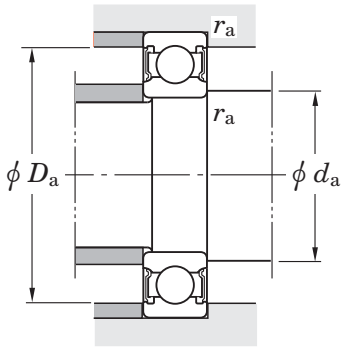
Boundary dimensions (mm)				Basic load ratings (kN)		Factor	Limiting speeds (min^{-1}) Grease lub.			Oil lub.	
d	D	B	r min.	C_r	C_{0r}	f_0	Z, ZZ / RU, 2RU	(RD, 2RD)	(RS, 2RS)	(Z)	Shielded
10	19	5	0.3	1.70	0.84	14.8	37 000	—	22 000	43 000	**6800 ZZ**
	22	6	0.3	2.70	1.25	14.0	34 000	—	21 000	41 000	**6900 ZZ**
	26	8	0.3	4.55	1.95	12.3	31 000	28 000	19 000	36 000	**6000 ZZ**
	30	9	0.6	5.10	2.40	13.2	24 000	22 000	16 000	29 000	**6200 ZZ**
	35	11	0.6	8.10	3.45	11.2	22 000	20 000	16 000	27 000	**6300 ZZ**
12	21	5	0.3	1.90	1.05	15.3	33 000	30 000	20 000	39 000	**6801 ZZ**
	24	6	0.3	2.90	1.45	14.5	31 000	28 000	18 000	36 000	**6901 ZZ**
	28	8	0.3	5.10	2.40	13.2	27 000	24 000	17 000	32 000	**6001 ZZ**
	32	10	0.6	6.80	3.05	12.3	22 000	20 000	15 000	27 000	**6201 ZZ**
	37	12	1	9.70	4.20	11.1	20 000	18 000	15 000	25 000	**6301 ZZ**
15	24	5	0.3	2.10	1.25	15.8	28 000	—	16 000	33 000	**6802 ZZ**
	28	7	0.3	4.30	2.25	14.3	26 000	23 000	15 000	30 000	**6902 ZZ**
	32	9	0.3	5.60	2.85	13.9	23 000	21 000	14 000	27 000	**6002 ZZ**
	35	11	0.6	7.65	3.75	13.2	20 000	18 000	13 000	24 000	**6202 ZZ**
	42	13	1	11.4	5.45	12.3	17 000	15 000	12 000	20 000	**6302 ZZ**
17	26	5	0.3	2.60	1.55	15.7	26 000	—	14 000	30 000	**6803 ZZ**
	30	7	0.3	4.60	2.55	14.7	23 000	21 000	13 000	28 000	**6903 ZZ**
	35	10	0.3	6.00	3.25	14.4	21 000	19 000	12 000	25 000	**6003 ZZ**
	40	12	0.6	9.55	4.80	13.2	17 000	15 000	12 000	21 000	**6203 ZZ**
	47	14	1	13.6	6.65	12.4	15 000	14 000	10 000	18 000	**6303 ZZ**
20	32	7	0.3	4.00	2.45	15.5	21 000	—	12 000	25 000	**6804 ZZ**
	37	9	0.3	6.35	3.70	14.7	19 000	17 000	11 000	23 000	**6904 ZZ**
	42	12	0.6	9.40	5.05	13.9	17 000	15 000	10 000	21 000	**6004 ZZ**
	47	14	1	12.8	6.65	13.2	15 000	14 000	9 700	17 000	**6204 ZZ**
	52	15	1.1	15.9	7.85	12.3	14 000	13 000	9 500	17 000	**6304 ZZ**
22	44	12	0.6	9.40	5.15	14.1	17 000	15 000	9 900	20 000	**60/22 ZZ**
	50	14	1	12.8	6.65	13.2	15 000	14 000	9 700	17 000	**62/22 ZZ**

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



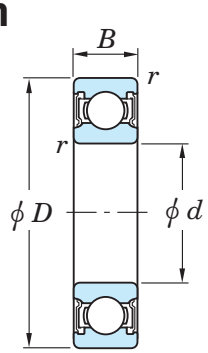
Extremely light contact sealed

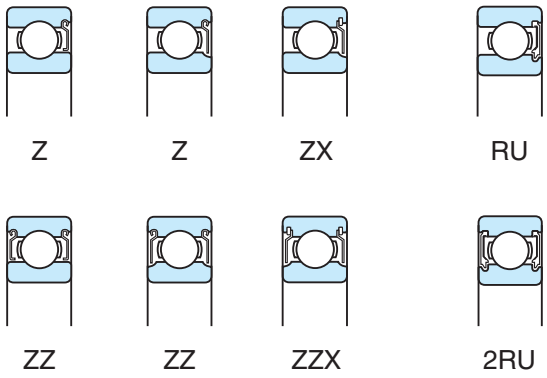
Contact sealed



Bearing No.			Mounting dimensions. (mm)				(Refer.) Mass
Non-contact sealed	Extremely light contact sealed	Contact sealed	d_a min.	d_a max.	D_a max.	r_a max.	Open type (kg)
6800 2RU	—	**6800 2RS**	12	12	17	0.3	0.005
6900 2RU	—	**6900 2RS**	12	12.5	20	0.3	0.010
6000 2RU	**6000 2RD**	**6000 2RS**	12	13	24	0.3	0.019
6200 2RU	**6200 2RD**	**6200 2RS**	14	15	26	0.6	0.032
6300 2RU	**6300 2RD**	**6300 2RS**	14	16	31	0.6	0.053
6801 2RU	**6801 2RD**	**6801 2RS**	14	14	19	0.3	0.006
6901 2RU	**6901 2RD**	**6901 2RS**	14	14	22	0.3	0.011
6001 2RU	**6001 2RD**	**6001 2RS**	14	15	26	0.3	0.022
6201 2RU	**6201 2RD**	**6201 2RS**	16	16.5	28	0.6	0.037
6301 2RU	**6301 2RD**	**6301 2RS**	17	17.5	32	1	0.060
6802 2RU	—	**6802 2RS**	17	17	22	0.3	0.007
6902 2RU	**6902 2RD**	**6902 2RS**	17	18	26	0.3	0.017
6002 2RU	**6002 2RD**	**6002 2RS**	17	18.5	30	0.3	0.030
6202 2RU	**6202 2RD**	**6202 2RS**	19	19.5	31	0.6	0.045
6302 2RU	**6302 2RD**	**6302 2RS**	20	21.5	37	1	0.082
6803 2RU	—	**6803 2RS**	19	19	24	0.3	0.008
6903 2RU	**6903 2RD**	**6903 2RS**	19	19.5	28	0.3	0.018
6003 2RU	**6003 2RD**	**6003 2RS**	19	21	33	0.3	0.039
6203 2RU	**6203 2RD**	**6203 2RS**	21	22	36	0.6	0.065
6303 2RU	**6303 2RD**	**6303 2RS**	22	24.3	42	1	0.115
6804 2RU	—	**6804 2RS**	22	22.5	30	0.3	0.018
6904 2RU	**6904 2RD**	**6904 2RS**	22	23.5	35	0.3	0.036
6004 2RU	**6004 2RD**	**6004 2RS**	24	25	38	0.6	0.069
6204 2RU	**6204 2RD**	**6204 2RS**	25	26.5	42	1	0.106
6304 2RU	**6304 2RD**	**6304 2RS**	26.5	27	45.5	1	0.144
60/22 2RU	**60/22 2RD**	**60/22 2RS**	26	26.5	40	0.6	0.073
62/22 2RU	**62/22 2RD**	**62/22 2RS**	27	27	45	1	0.118

Single-row deep groove ball bearings
shielded type
sealed type
d (22) ~ 40 mm



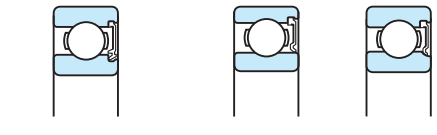


Shielded

Non-contact sealed

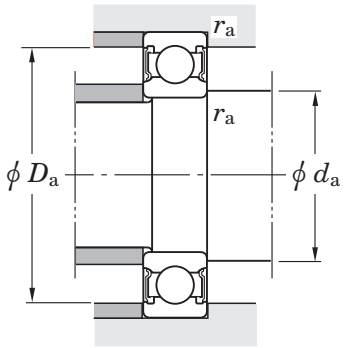
Boundary dimensions (mm)				Basic load ratings (kN)		Factor	Limiting speeds (min^{-1}) Grease lub.			Oil lub.	
d	D	B	r min.	C_r	C_{0r}	f_0	Z, ZZ RU, 2RU	(RD, 2RD)	(RS, 2RS)	(Z)	Shielded
22	56	16	1.1	18.5	9.40	12.6	13 000	12 000	8 600	15 000	**63/22 ZZ**
25	37	7	0.3	4.30	2.95	16.0	18 000	—	10 000	21 000	**6805 ZZ**
	42	9	0.3	7.00	4.55	15.4	16 000	14 000	9 300	19 000	**6905 ZZ**
	47	12	0.6	10.1	5.85	14.5	15 000	14 000	9 000	18 000	**6005 ZZ**
	52	15	1	14.0	7.85	13.9	13 000	12 000	8 400	15 000	**6205 ZZ**
	62	17	1.1	20.6	11.3	13.2	11 000	9 900	7 500	13 000	**6305 ZZ**
28	52	12	0.6	12.4	7.40	14.5	14 000	13 000	8 100	16 000	**60/28 ZZ**
	58	16	1	17.9	9.75	13.4	12 000	11 000	7 600	14 000	**62/28 ZZ**
	68	18	1.1	23.5	13.1	13.3	10 000	9 000	6 900	12 000	**63/28 ZZ**
30	42	7	0.3	4.55	3.40	16.4	15 000	—	8 600	18 000	**6806 ZZ**
	47	9	0.3	7.25	5.00	15.8	14 000	13 000	8 200	17 000	**6906 ZZ**
	55	13	1	13.2	8.25	14.7	13 000	12 000	7 500	15 000	**6006 ZZ**
	62	16	1	19.5	11.3	13.9	11 000	9 900	7 000	13 000	**6206 ZZ**
	72	19	1.1	26.7	15.0	13.3	9 600	8 600	6 400	12 000	**6306 ZZ**
32	58	13	1	15.0	9.15	14.5	12 000	11 000	7 200	14 000	**60/32 ZZ**
	65	17	1	23.5	13.1	13.3	10 000	9 000	6 900	12 000	**62/32 ZZ**
	75	20	1.1	30.1	16.2	12.7	9 300	8 400	6 400	11 000	**63/32 ZZ**
35	47	7	0.3	4.75	3.85	16.5	13 000	—	7 400	16 000	**6807 ZZ**
	55	10	0.6	10.9	7.75	15.7	12 000	11 000	6 800	14 000	**6907 ZZ**
	62	14	1	15.9	10.3	14.9	11 000	9 900	6 500	13 000	**6007 ZZ**
	72	17	1.1	25.7	15.4	13.9	9 200	8 300	6 000	11 000	**6207 ZZ**
	80	21	1.5	33.4	19.3	13.2	8 500	7 700	5 700	10 000	**6307 ZZ**
40	52	7	0.3	4.95	4.20	16.3	12 000	11 000	6 700	14 000	**6808 ZZ**
	62	12	0.6	13.7	9.95	15.6	11 000	9 900	6 100	13 000	**6908 ZZ**
	68	15	1	16.7	11.5	15.2	10 000	9 000	5 800	12 000	**6008 ZZ**
	80	18	1.1	29.1	17.8	14.0	8 300	7 500	5 400	10 000	**6208 ZZ**
	90	23	1.5	40.7	24.0	13.2	7 700	6 900	5 100	9 200	**6308 ZZ**

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



Extremely light contact sealed

Contact sealed



Bearing No.			Mounting dimensions. (mm)				(Refer.) Mass
Non-contact sealed	Extremely light contact sealed	Contact sealed	d_a min.	d_a max.	D_a max.	r_a max.	Open type (kg)
63/22 2RU	**63/22 2RD**	**63/22 2RS**	28.5	29	49.5	1	0.201
6805 2RU	—	**6805 2RS**	27	27.5	35	0.3	0.022
6905 2RU	**6905 2RD**	**6905 2RS**	27	29	40	0.3	0.041
6005 2RU	**6005 2RD**	**6005 2RS**	29	29.5	43	0.6	0.080
6205 2RU	**6205 2RD**	**6205 2RS**	30	31.5	47	1	0.128
6305 2RU	**6305 2RD**	**6305 2RS**	31.5	34	55.5	1	0.232
60/28 2RU	**60/28 2RD**	**60/28 2RS1**	32	33	48	0.6	0.097
62/28 2RU	**62/28 2RD**	**62/28 2RS**	33	35	53	1	0.173
63/28 2RU	**63/28 2RD**	**63/28 2RS**	34.5	37.5	61.5	1	0.328
6806 2RU	—	**6806 2RS**	32	32.5	40	0.3	0.026
6906 2RU	**6906 2RD**	**6906 2RS**	32	33	45	0.3	0.045
6006 2RU	**6006 2RD**	**6006 2RS**	35	36	50	1	0.116
6206 2RU	**6206 2RD**	**6206 2RS**	35	37.5	57	1	0.199
6306 2RU	**6306 2RD**	**6306 2RS**	36.5	40	65.5	1	0.346
60/32 2RU	**60/32 2RD**	**60/32 2RS**	37	38	53	1	0.127
62/32 2RU	**62/32 2RD**	**62/32 2RS**	37	38.5	60	1	0.228
63/32 2RU	**63/32 2RD**	**63/32 2RS**	38.5	41	68.5	1	0.437
6807 2RU	—	**6807 2RS**	37	37.5	45	0.3	0.030
6907 2RU	**6907 2RD**	**6907 2RS**	39	40	51	0.6	0.073
6007 2RU	**6007 2RD**	**6007 2RS**	40	42	58	1	0.155
6207 2RU	**6207 2RD**	**6207 2RS**	41.5	43.5	65.5	1	0.288
6307 2RU	**6307 2RD**	**6307 2RS**	43	46	72	1.5	0.457
6808 2RU	**6808 2RD**	**6808 2RS**	42	42	50	0.3	0.033
6908 2RU	**6908 2RD**	**6908 2RS**	44	44.5	58	0.6	0.112
6008 2RU	**6008 2RD**	**6008 2RS**	45	46.5	63	1	0.192
6208 2RU	**6208 2RD**	**6208 2RS**	46.5	49	73.5	1	0.366
6308 2RU	**6308 2RD**	**6308 2RS**	48	51.5	82	1.5	0.633