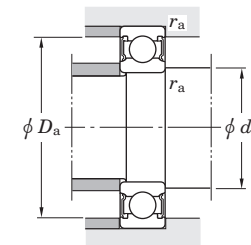
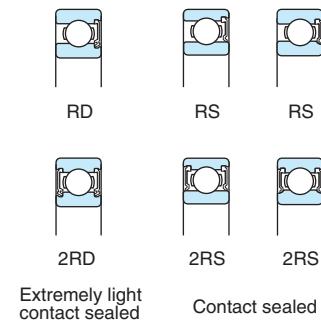
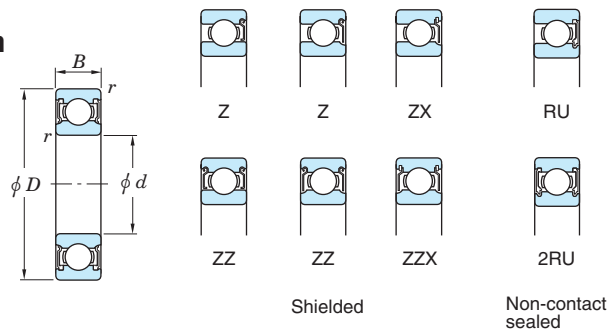


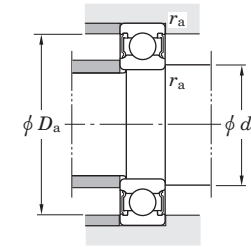
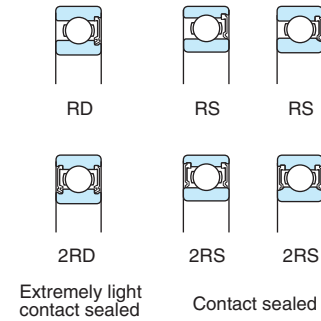
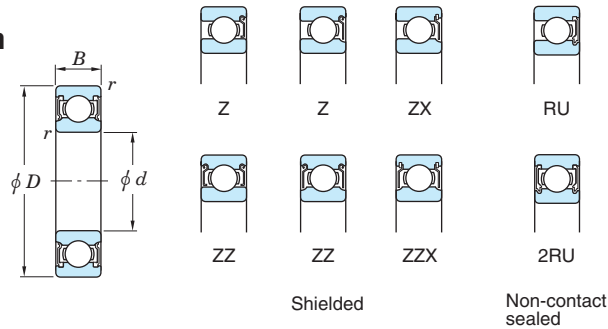
Single-row deep groove ball bearings
shielded type
sealed type
 d 10 ~ (20) mm



Boundary dimensions (mm)				Basic load ratings (kN)		Fatigue load limit (kN) C_u	Factor f_0	Limiting speeds (min^{-1})				Bearing No.				Mounting dimensions. (mm)				(Refer.) Mass Open type (kg)
d	D	B	$r_{\text{min.}}$	C_r	C_{0r}			Grease lub.			Oil lub.	Shielded	Non-contact sealed	Extremely light contact sealed	Contact sealed	d_a min.	d_a max.	D_a max.	r_a max.	
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.

Single-row deep groove ball bearings shielded type sealed type d (20) ~ 35 mm



Boundary dimensions (mm)				Basic load ratings (kN)		Fatigue load limit (kN) <i>C</i> _u	Factor <i>f</i> ₀	Limiting speeds (min ⁻¹) Grease lub. Oil lub.					Bearing No.				Mounting dimensions. (mm)				(Refer.) Mass Open type (kg)
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> min.	<i>C</i> _r	<i>C</i> _{0r}			$\left[\begin{smallmatrix} Z, ZZ \\ RU, 2RU \end{smallmatrix} \right]$	(RD, 2RD)	(RS, 2RS)	(Z)		Shielded	Non-contact sealed	Extremely light contact sealed	Contact sealed	<i>d</i> _a min.	<i>d</i> _a max.	<i>D</i> _a max.	<i>r</i> _a max.	
20	52	15	1.1	19.9	7.85	0.660	12.3	14 000	13 000	9 500	17 000		6304 ZZ	6304 2RU	6304 2RD	6304 2RS	26.5	27	45.5	1	0.144
22	44	12	0.6	11.7	5.15	0.350	14.1	17 000	15 000	9 900	20 000		60/22 ZZ	60/22 2RU	60/22 2RD	60/22 2RS	26	26.5	40	0.6	0.073
	50	14	1	16.0	6.65	0.510	13.2	15 000	14 000	9 700	17 000		62/22 ZZ	62/22 2RU	62/22 2RD	62/22 2RS	27	27	45	1	0.118
	56	16	1.1	23.1	9.40	0.770	12.6	13 000	12 000	8 600	15 000		63/22 ZZ	63/22 2RU	63/22 2RD	63/22 2RS	28.5	29	49.5	1	0.201
25	32	4	0.2	1.35	0.840	0.035	15.8	19 000	—	10 000	22 000		6705 ZZ	6705 2RU	—	6705 2RS	26.6	—	30.4	0.2	0.006
	37	7	0.3	5.40	2.95	0.120	16.0	18 000	—	10 000	21 000		6805 ZZ	6805 2RU	—	6805 2RS	27	27.5	35	0.3	0.022
	42	9	0.3	8.75	4.55	0.230	15.4	16 000	14 000	9 300	19 000		6905 ZZ	6905 2RU	6905 2RD	6905 2RS	27	29	40	0.3	0.041
	47	12	0.6	12.6	5.85	0.380	14.5	15 000	14 000	9 000	18 000		6005 ZZ	6005 2RU	6005 2RD	6005 2RS	29	29.5	43	0.6	0.080
	52	15	1	17.5	7.85	0.550	13.9	13 000	12 000	8 400	15 000		6205 ZZ	6205 2RU	6205 2RD	6205 2RS	30	31.5	47	1	0.128
	62	17	1.1	25.7	11.3	0.860	13.2	11 000	9 900	7 500	13 000		6305 ZZ	6305 2RU	6305 2RD	6305 2RS	31.5	34	55.5	1	0.232
28	52	12	0.6	15.6	7.40	0.480	14.5	14 000	13 000	8 100	16 000		60/28 ZZ	60/28 2RU	60/28 2RD	60/28 2RS1	32	33	48	0.6	0.097
	58	16	1	22.4	9.75	0.720	13.4	12 000	11 000	7 600	14 000		62/28 ZZ	62/28 2RU	62/28 2RD	62/28 2RS	33	35	53	1	0.173
	68	18	1.1	29.4	13.1	0.990	13.3	10 000	9 000	6 900	12 000		63/28 ZZ	63/28 2RU	63/28 2RD	63/28 2RS	34.5	37.5	61.5	1	0.328
30	37	4	0.2	1.45	0.950	0.040	15.7	16 000	—	8 800	19 000		6706 ZZ	6706 2RU	—	6706 2RS	31.6	—	35.4	0.2	0.008
	42	7	0.3	5.65	3.40	0.140	16.4	15 000	—	8 600	18 000		6806 ZZ	6806 2RU	—	6806 2RS	32	32.5	40	0.3	0.026
	47	9	0.3	9.05	5.00	0.260	15.8	14 000	13 000	8 200	17 000		6906 ZZ	6906 2RU	6906 2RD	6906 2RS	32	33	45	0.3	0.045
	55	13	1	16.5	8.25	0.530	14.7	13 000	12 000	7 500	15 000		6006 ZZ	6006 2RU	6006 2RD	6006 2RS	35	36	50	1	0.116
	62	16	1	24.3	11.3	0.800	13.9	11 000	9 900	7 000	13 000		6206 ZZ	6206 2RU	6206 2RD	6206 2RS	35	37.5	57	1	0.199
	72	19	1.1	33.3	15.0	1.15	13.3	9 600	8 600	6 400	12 000		6306 ZZ	6306 2RU	6306 2RD	6306 2RS	36.5	40	65.5	1	0.346
32	58	13	1	18.8	9.15	0.600	14.5	12 000	11 000	7 200	14 000		60/32 ZZ	60/32 2RU	60/32 2RD	60/32 2RS	37	38	53	1	0.127
	65	17	1	29.4	13.1	0.990	13.3	10 000	9 000	6 900	12 000		62/32 ZZ	62/32 2RU	62/32 2RD	62/32 2RS	37	38.5	60	1	0.228
	75	20	1.1	37.6	16.2	1.30	12.7	9 300	8 400	6 400	11 000		63/32 ZZ	63/32 2RU	63/32 2RD	63/32 2RS	38.5	41	68.5	1	0.437
35	47	7	0.3	5.95	3.85	0.160	16.5	13 000	—	7 400	16 000		6807 ZZ	6807 2RU	—	6807 2RS	37	37.5	45	0.3	0.030
	55	10	0.6	13.6	7.75	0.440	15.7	12 000	11 000	6 800	14 000		6907 ZZ	6907 2RU	6907 2RD	6907 2RS	39	40	51	0.6	0.073
	62	14	1	19.9	10.3	0.640	14.9	11 000	9 900	6 500	13 000		6007 ZZ	6007 2RU	6007 2RD	6007 2RS	40	42	58	1	0.155
	72	17	1.1	32.1	15.4	1.10	13.9	9 200	8 300	6 000	11 000		6207 ZZ	6207 2RU	6207 2RD	6207 2RS	41.5	43.5	65.5	1	0.288
	80	21	1.5	41.7	19.3	1.45	13.2	8 500	7 700	5 700	10 000		6307 ZZ	6307 2RU	6307 2RD	6307 2RS	43	46	72	1.5	0.457

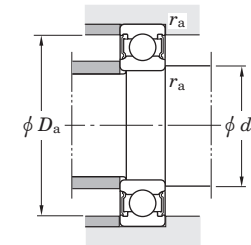
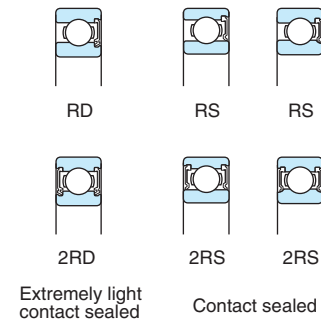
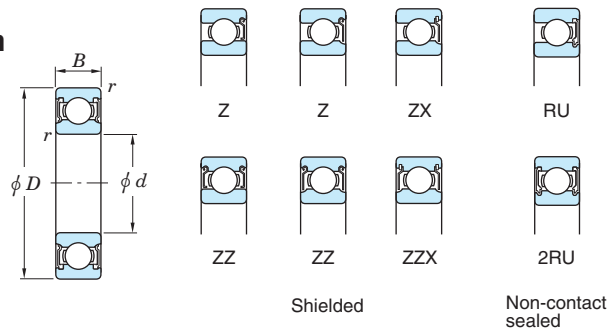
[Remark] Standard cage types used for the above bearings are described earlier in this section.

Single-row deep groove ball bearings

shielded type

sealed type

d 40 ~ (65) mm

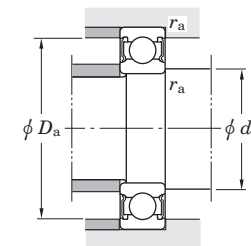
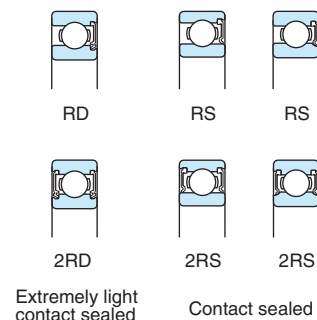
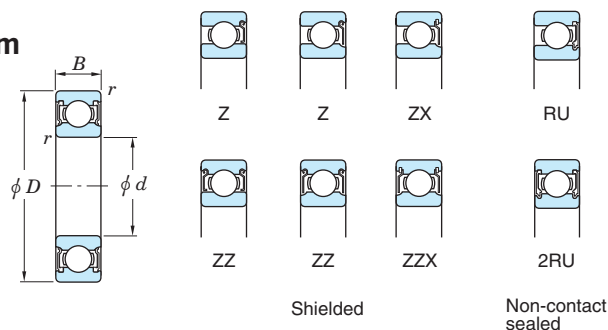


Boundary dimensions (mm)				Basic load ratings (kN)		Fatigue load limit (kN) <i>C</i> _u	Factor <i>f</i> ₀	Limiting speeds (min ⁻¹) Grease lub. Oil lub.					Bearing No.				Mounting dimensions. (mm)				(Refer.) Mass Open type (kg)
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> min.	<i>C</i> _r	<i>C</i> _{0r}			$\begin{bmatrix} Z, ZZ \\ RU, 2RU \end{bmatrix}$	(RD, 2RD)	(RS, 2RS)	(Z)		Shielded	Non-contact sealed	Extremely light contact sealed	Contact sealed	<i>d</i> _a min.	<i>d</i> _a max.	<i>D</i> _a max.	<i>r</i> _a max.	
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.

Single-row deep groove ball bearings shielded type sealed type

d (65) ~ (90) mm

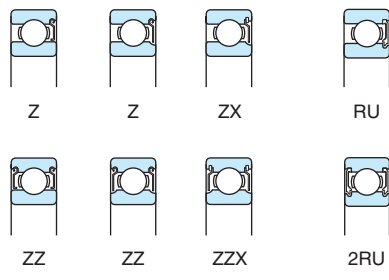
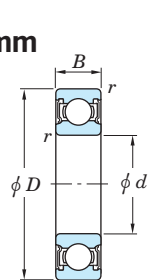


Boundary dimensions (mm)				Basic load ratings (kN)		Fatigue load limit (kN) C _u	Factor f ₀	Limiting speeds (min ⁻¹) Grease lub. Oil lub.				Bearing No.				Mounting dimensions. (mm)				(Refer.) Mass Open type (kg)
d	D	B	r _{min.}	C _r	C _{0r}			$\begin{bmatrix} Z, ZZ \\ RU, 2RU \end{bmatrix}$	(RD, 2RD)	(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.	
65	100	18	1.1	38.1	25.2	1.40	15.8	6 600	—	3 700	7 800	6013 ZZ	6013 2RU	—	6013 2RS	71.5	74.5	93.5	1	0.435
	120	23	1.5	71.5	40.1	2.65	14.4	5 400	—	3 500	6 400	6213 ZZ	6213 2RU	—	6213 2RS	73	79	112	1.5	0.990
	140	33	2.1	116	59.9	4.50	13.2	4 800	—	3 200	5 800	6313 ZZ	6313 2RU	—	6313 2RS	76	86	129	2	2.08
70	90	10	0.6	15.1	11.9	0.620	16.1	6 800	6 100	—	8 100	6814 ZZ	6814 2RU	6814 2RD	—	74	74	86	0.6	0.134
	100	16	1	29.7	21.2	1.10	16.3	6 400	5 800	3 600	7 600	6914 ZZ	6914 2RU	6914 2RD	6914 2RS	75	76.5	95	1	0.342
	110	20	1.1	47.6	30.9	1.80	15.6	6 100	—	3 500	7 200	6014 ZZ	6014 2RU	—	6014 2RS	76.5	79.5	103.5	1	0.602
	125	24	1.5	77.8	44.1	2.90	14.5	5 100	—	3 300	6 100	6214 ZZ	6214 2RU	—	6214 2RS	78	84	117	1.5	1.07
	150	35	2.1	130	68.2	4.95	13.2	4 500	—	3 000	5 400	6314 ZZ	6314 2RU	—	6314 2RS	81	92	139	2	2.52
75	95	10	0.6	15.7	12.9	0.660	16.0	6 400	5 800	—	7 600	6815 ZZ	6815 2RU	6815 2RD	—	79	79	91	0.6	0.142
	105	16	1	30.5	22.6	1.20	16.5	6 100	—	—	7 200	6915 ZZ	6915 2RU	—	—	80	82.5	100	1	0.363
	115	20	1.1	49.4	33.5	1.90	15.8	5 700	—	3 300	6 800	6015 ZZ	6015 2RU	—	6015 2RS	81.5	84.5	108.5	1	0.638
	130	25	1.5	84.3	48.3	3.10	14.5	4 800	—	3 100	5 800	6215 ZZ	6215 2RU	—	6215 2RS	83	88.5	122	1.5	1.18
	160	37	2.1	142	77.2	5.40	13.2	4 200	—	2 800	5 000	6315 ZZ	6315 2RU	—	6315 2RS	86	97.5	149	2	3.02
80	100	10	0.6	15.9	13.3	0.690	16.0	6 100	5 500	—	7 200	6816 ZZ	6816 2RU	6816 2RD	—	84	84	96	0.6	0.150
	110	16	1	31.2	24.0	1.25	16.6	5 700	5 100	3 200	6 800	6916 ZZ	6916 2RU	6916 2RD	6916 2RS	85	86.5	105	1	0.382
	125	22	1.1	59.5	39.8	2.25	15.6	5 300	—	3 100	6 300	6016 ZZ	6016 2RU	—	6016 2RS	86.5	90	118.5	1	0.850
	140	26	2	90.9	53.0	3.25	14.6	4 500	—	2 900	5 400	6216 ZZ	6216 2RU	—	6216 2RS	89	93	131	2	1.40
	170	39	2.1	154	86.7	5.85	13.3	3 900	—	2 700	4 700	6316 ZZ	6316 2RU	—	6316 2RS	91	105	159	2	3.59
85	110	13	1	23.4	19.0	0.980	16.2	5 600	5 000	—	6 600	6817 ZZ	6817 2RU	6817 2RD	—	90	90.5	105	1	0.266
	120	18	1.1	39.9	29.6	1.55	16.4	5 300	4 800	3 000	6 300	6917 ZZ	6917 2RU	6917 2RD	6917 2RS	91.5	92.5	113.5	1	0.535
	130	22	1.1	61.8	43.1	2.35	15.8	5 000	—	2 900	5 900	6017 ZZ	6017 2RU	—	6017 2RS	91.5	96.5	123.5	1	0.890
	150	28	2	105	61.9	3.70	14.5	4 200	—	2 700	5 000	6217 ZZ	6217 2RU	—	6217 2RS	94	102	141	2	1.79
	180	41	3	166	96.8	6.35	13.3	3 700	—	2 500	4 400	6317 ZZ	6317 2RU	—	6317 2RS	98	111	167	2.5	4.23
90	115	13	1	23.8	19.7	1.00	16.1	5 300	4 800	—	6 300	6818 ZZ	6818 2RU	6818 2RD	—	95	95.5	110	1	0.279
	125	18	1.1	41.0	31.6	1.60	16.5	5 100	4 600	2 800	6 000	6918 ZZ	6918 2RU	6918 2RD	6918 2RS	96.5	97.5	118.5	1	0.565
	140	24	1.5	72.8	49.7	2.65	15.6	4 700	—	2 700	5 600	6018 ZZ	6018 2RU	—	6018 2RS	98	100.5	132	1.5	1.16
	160	30	2	120	71.5	4.20	14.5	3 900	—	2 600	4 700	6218 ZZ	6218 2RU	—	6218 2RS	99	108.5	151	2	2.15

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

Single-row deep groove ball bearings shielded type sealed type

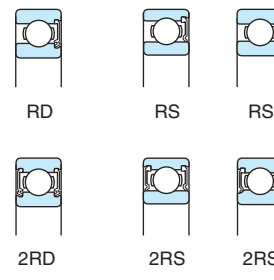
d (90) ~ (130) mm



Shielded

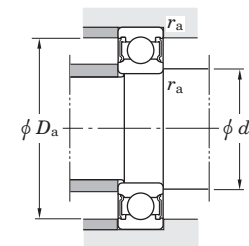


Non-contact
sealed



Extremely light
contact sealed

Contact sealed

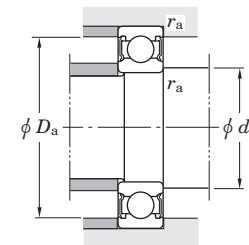
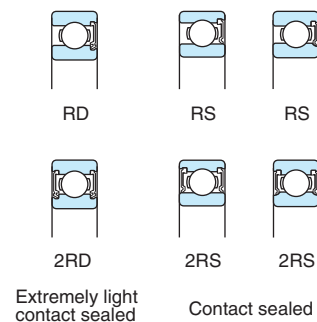
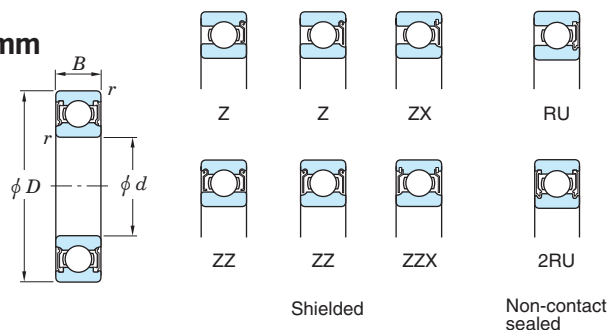


Boundary dimensions (mm)				Basic load ratings (kN)		Fatigue load limit (kN) C _u	Factor f ₀	Limiting speeds (min ⁻¹) Grease lub. Oil lub.					Bearing No.				Mounting dimensions. (mm)				(Refer.) Mass Open type (kg)
d	D	B	r _{min.}	C _r	C _{0r}			$\begin{bmatrix} Z, ZZ \\ RU, 2RU \end{bmatrix}$	(RD, 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.	
90	190	43	3	178	107	8.80	13.3	3 500	—	2 400	4 200		6318 ZZX	6318 2RU	—	6318 2RS	103	117	177	2.5	4.91
95	130	18	1.1	42.1	33.5	1.65	16.6	4 800	4 300	2 700	5 700		6919 ZZ	6919 2RU	6919 2RD	6919 2RS	101.5	102	123.5	1	0.705
	145	24	1.5	75.5	53.9	2.75	15.8	4 400	—	2 500	5 200		6019 ZZX	6019 2RU	—	6019 2RS	103	107.5	137	1.5	1.21
	170	32	2.1	136	81.9	4.65	14.4	3 700	—	2 400	4 400		6219 ZZX	6219 2RU	—	6219 2RS	106	113	159	2	2.62
	200	45	3	191	119	9.45	13.3	3 300	—	2 200	4 000		6319 ZZX	6319 2RU	—	6319 2RS	108	122	187	2.5	5.67
100	125	13	1	24.5	21.2	1.05	16.0	4 800	4 300	—	5 700		6820 ZZ	6820 2RU	6820 2RD	—	105	105.5	120	1	0.309
	140	20	1.1	51.5	39.6	1.90	16.2	4 500	—	—	5 300		6920-1 ZZ	6920-1 2RU	—	—	106.5	110.5	133.5	1	0.960
	150	24	1.5	75.2	54.2	2.70	15.9	4 300	—	2 500	5 100		6020 ZZ	6020 2RU	—	6020 2RS	108	112	142	1.5	1.25
	180	34	2.1	153	93.1	5.15	14.4	3 500	—	2 300	4 200		6220 ZZX	6220 2RU	—	6220 2RS	111	122	169	2	3.14
	215	47	3	216	141	10.9	13.2	3 000	—	2 100	3 600		6320 ZZX	6320 2RU	—	6320 2RS	113	131	202	2.5	7.00
105	145	20	1.1	53.0	42.1	1.95	16.4	4 300	—	2 400	5 100		6921-1 ZZ	6921-1 2RU	—	6921-1 2RS	111.5	115	138.5	1	1.00
	160	26	2	90.4	65.8	3.20	15.8	4 000	—	2 300	4 700		6021 ZZX	6021 2RU	—	6021 2RS	114	119	151	2	1.59
	190	36	2.1	166	105	5.70	14.4	3 300	—	2 200	3 900		6221 ZZX	6221 2RU	—	6221 2RS	116	127	179	2	3.70
	225	49	3	230	153	11.7	13.2	2 900	—	2 000	3 500		6321 ZZX	6321 2RU	—	6321 2RS	118	136	212	2.5	8.05
110	140	16	1	35.1	30.7	1.40	16.1	4 300	3 900	—	5 100		6822 ZZ	6822 2RU	6822 2RD	—	115	116.5	135	1	0.606
	150	20	1.1	59.9	47.8	2.20	16.4	4 100	—	—	4 900		6922 ZZ	6922 2RU	—	—	116.5	119.5	143.5	1	1.04
	170	28	2	103	73.0	3.55	15.6	3 800	—	2 200	4 500		6022 ZZX	6022 2RU	—	6022 2RS	119	123	161	2	1.96
	200	38	2.1	180	117	6.20	14.4	3 100	—	2 000	3 700		6222 ZZX	6222 2RU	—	6222 2RS	121	136.5	189	2	4.36
	240	50	3	257	180	13.3	13.2	2 700	—	1 900	3 200		6322 ZZX	6322 2RU	—	6322 2RS	123	146.5	227	2.5	9.54
120	150	16	1	36.2	33.0	1.45	16.0	4 000	—	—	4 700		6824 ZZ	6824 2RU	—	—	125	128.5	145	1	0.655
	165	22	1.1	71.6	56.9	2.50	16.4	3 800	—	—	4 400		6924 ZZ	6924 2RU	—	—	126.5	131.5	158.5	1	1.41
	180	28	2	106	79.3	3.60	15.9	3 600	—	2 100	4 200		6024 ZZX	6024 2RU	—	6024 2RS	129	136	171	2	2.07
	215	40	2.1	194	131	6.65	14.4	2 900	—	1 900	3 400		6224 ZZX	6224 2RU	—	6224 2RS	131	144	204	2	5.15
	260	55	3	258	185	12.6	13.5	2 500	—	—	3 000		6324 ZZX	—	—	—	133	158	247	2.5	12.5
130	165	18	1.1	46.1	41.2	1.75	16.1	3 600	—	—	4 300		6826 ZZ	6826 2RU	—	—	136.5	139.5	158.5	1	0.939
	180	24	1.5	81.5	67.4	2.85	16.3	3 400	—	—	4 100		6926-1 ZZ	6926-1 2RU	—	—	138	144	172	1.5	1.86

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

Single-row deep groove ball bearings shielded type sealed type

d (130) ~ 220 mm



Boundary dimensions (mm)				Basic load ratings (kN)		Fatigue load limit (kN) <i>C</i> _u	Factor <i>f</i> ₀	Limiting speeds (min ⁻¹) Grease lub. Oil lub.					Bearing No.				Mounting dimensions. (mm)				(Refer.) Mass Open type (kg)
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> min.	<i>C</i> _r	<i>C</i> _{0r}			$\begin{bmatrix} Z, ZZ \\ RU, 2RU \end{bmatrix}$	(RD, 2RD)	(RS, 2RS)	(Z)		Shielded	Non-contact sealed	Extremely light contact sealed	Contact sealed	<i>d</i> _a min.	<i>d</i> _a max.	<i>D</i> _a max.	<i>r</i> _a max.	
130	200	33	2	133	101	4.45	15.8	3 200	—	1 900	3 800		6026 ZZ	6026 2RU	—	6026 2RS	139	146.5	191	2	3.16
	230	40	3	209	146	9.15	14.5	2 700	—	1 800	3 200		6226 ZZ	6226 2RU	—	6226 2RS	143	157	217	2.5	5.82
	280	58	4	287	214	14.1	13.6	2 300	—	—	2 700		6326 ZZ	—	—	—	146	171	264	3	15.1
140	175	18	1.1	47.8	44.4	1.85	16.0	3 400	3 100	—	4 000		6828 ZZ	—	6828 2RD	—	146.5	148	168.5	1	1.00
	190	24	1.5	83.3	71.6	2.90	16.5	3 200	—	—	3 800		6928-1 ZZ	6928-1 2RU	—	—	148	153	182	1.5	1.98
	210	33	2	137	109	4.55	15.9	3 000	—	1 800	3 600		6028 ZZ	6028 2RU	—	6028 2RS	149	158.5	201	2	3.55
	250	42	3	208	150	8.65	14.8	2 400	—	1 600	2 900		6228 ZZ	6228 2RU	—	6228 2RS	153	169	237	2.5	7.45
	300	62	4	316	246	15.6	13.6	2 100	—	—	2 500		6328 ZZ	—	—	—	156	184	284	3	19.4
150	210	28	2	117	94.3	3.75	16.2	2 900	—	1 700	3 400		6930 ZZ	6930 2RU	—	6930 2RS	159	165.5	201	2	3.05
	225	35	2.1	157	126	5.10	16.0	2 800	—	1 600	3 300		6030 ZZ	6030 2RU	—	6030 2RS	161	168.5	214	2	4.22
	270	45	3	220	168	9.05	15.1	2 200	—	—	2 700		6230 ZZ	—	—	—	163	183.5	257	2.5	9.41
160	200	20	1.1	60.5	56.9	2.20	16.1	2 900	2 600	—	3 400		6832 ZZ	—	6832 2RD	—	166.5	168.5	193.5	1	1.45
	240	38	2.1	171	135	5.30	15.9	2 600	—	1 500	3 000		6032 ZZ	6032 2RU	—	6032 2RS	171	178.5	229	2	5.22
	290	48	3	231	186	9.45	15.4	2 100	—	—	2 500		6232 ZZ	—	—	—	173	198	277	2.5	14.3
170	215	22	1.1	74.8	70.5	2.60	16.1	2 700	—	—	3 200		6834 ZZ	—	—	—	176.5	182.5	208.5	1	1.90
	260	42	2.1	201	161	6.20	15.8	2 400	—	—	2 800		6034 ZZ	6034 2RU	—	—	181	194	249	2	6.80
	310	52	4	265	223	11.1	15.3	1 900	—	—	2 300		6234 ZZ	—	—	—	186	210.5	294	3	17.5
180	225	22	1.1	75.8	73.1	2.65	16.1	2 600	2 300	—	3 000		6836 ZZ	—	6836 2RD	—	186.5	189.5	218.5	1	2.00
	280	46	2.1	227	194	7.15	15.8	2 200	—	—	2 600		6036 ZZ	6036 2RU	—	—	191	209.5	269	2	10.3
	320	52	4	264	226	10.8	15.1	1 800	—	—	2 200		6236-1 ZZ	—	—	—	196	220.5	304	3	18.3
190	240	24	1.5	91.4	88.1	3.10	16.1	2 400	—	—	2 800		6838 ZZ	—	—	—	198	202	232	1.5	2.60
	290	46	2.1	235	201	7.35	15.8	2 100	—	—	2 500		6038 ZZ	—	—	—	201	215	279	2	10.8
200	310	51	2.1	272	243	11.3	15.6	1 900	—	—	2 300		6040 ZZ	—	—	—	211	228	299	2	14.0
	360	58	4	314	293	13.1	15.2	1 600	—	—	1 900		6240-1 ZZ	—	—	—	216	250	344	3	28.2
220	340	56	3	294	271	12.0	15.6	1 700	—	—	2 000		6044 ZZ	—	—	—	233	251	327	2.5	18.3

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