

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



Boundary dimensions (mm)				Basic load ratings (kN)		Fatigue load limit	Factor	Limiting speeds (min <sup>-1</sup> )				Bearing No.				Mounting dimensions (mm)				(Refer.) Mass	
d	D	B	r min.	C <sub>r</sub>	C <sub>0r</sub>	C <sub>u</sub>	f <sub>0</sub>	Grease lub.		Oil lub.	Shielded	Non-contact sealed	Extremely light contact sealed	Contact sealed	d <sub>a</sub> min.	d <sub>a</sub> max.	D <sub>a</sub> max.	r <sub>a</sub> max.	Open type	(kg)	
								[ Z, ZZ ]	(RD, 2RD)	(RS, 2RS)	(Z)	Shielded	Non-contact sealed	Extremely light contact sealed	Contact sealed						
								[ RU, 2RU ]													
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.