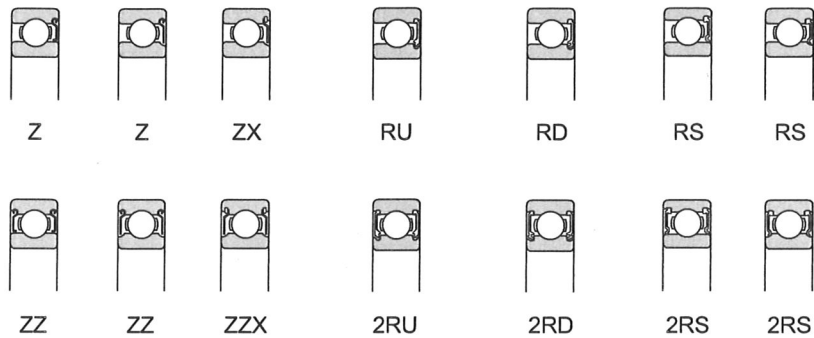
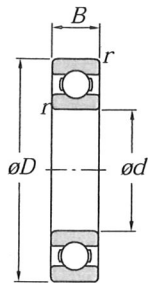


Single-row deep groove ball bearings

d 50 – (70) mm



Open

Shielded

Non-contact
sealed

Extremely light
contact sealed

Contact sealed

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (min ⁻¹)				Bearing No.					(Refer.) Mass Open type (kg)
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> min.	<i>C_r</i>	<i>C_{0r}</i>	Grease lub.		Oil lub.							
						$\left[\begin{array}{c} \text{Open} \\ Z, ZZ \\ RU, 2RU \end{array} \right]$	(RD, 2RD)	(RS, 2RS)	$\left[\begin{array}{c} \text{Open} \\ Z \end{array} \right]$	Open	Shielded ZZ	Sealed 2RU	2RD	2RS	
50	65	7	0.3	6.60	6.10	9 600	—	—	11 000	6810	ZZ	2RU	—	—	0.052
	72	12	0.6	14.5	11.7	9 000	—	—	11 000	6910	ZZ	2RU	—	—	0.133
	80	10	0.6	16.0	13.3	8 200	—	—	9 700	16010	—	—	—	—	0.180
	80	16	1	21.8	16.6	8 400	—	4 800	9 900	6010	ZZ	2RU	—	2RS	0.261
	90	20	1.1	35.1	23.3	7 100	6 400	4 600	8 500	6210	ZZ	2RU	2RD	2RS	0.463
	110	27	2	62.0	38.3	6 100	5 500	4 100	7 300	6310	ZZ	2RU	2RD	2RS	1.07
	130	31	2.1	83.0	49.5	5 500	—	—	6 600	6410	—	—	—	—	1.88
	72	9	0.3	8.80	8.10	8 700	—	—	10 000	6811	ZZ	2RU	—	—	0.083
	80	13	1	16.6	14.1	8 100	—	—	9 600	6911	ZZ	2RU	—	—	0.185
	90	11	0.6	19.3	16.3	7 400	—	—	8 800	16011	—	—	—	—	0.260
55	90	18	1.1	28.3	21.2	7 600	—	4 300	8 900	6011	ZZ	2RU	—	2RS	0.385
	100	21	1.5	43.4	29.4	6 300	—	4 100	7 600	6211	ZZ	2RU	—	2RS	0.607
	120	29	2	71.6	45.0	5 600	—	3 700	6 700	6311	ZZ	2RU	—	2RS	1.37
	140	33	2.1	100	62.3	5 000	—	—	6 000	6411	—	—	—	—	2.29
	78	10	0.3	11.5	10.6	8 000	—	—	9 400	6812	ZZ	2RU	—	—	0.104
	85	13	1	20.2	17.3	7 500	—	—	8 900	6912	ZZ	2RU	—	—	0.192
	95	11	0.6	19.8	17.6	6 900	—	—	8 100	16012	—	—	—	—	0.280
	95	18	1.1	29.4	23.2	7 100	—	4 000	8 400	6012	ZZ	2RU	—	2RS	0.415
	110	22	1.5	52.4	36.2	5 700	—	3 700	6 900	6212	ZZ	2RU	—	2RS	0.783
	130	31	2.1	81.9	52.2	5 200	—	3 500	6 200	6312	ZZ	2RU	—	2RS	1.70
60	150	35	2.1	110	70.8	4 600	—	—	5 500	6412	—	—	—	—	2.77
	85	10	0.6	11.9	11.5	7 300	—	—	8 600	6813	ZZ	2RU	—	—	0.126
	90	13	1	17.4	16.1	7 100	—	—	8 400	6913	ZZ	2RU	—	—	0.211
	100	11	0.6	17.1	16.0	6 600	—	—	7 800	16013	—	—	—	—	0.300
	100	18	1.1	30.5	25.2	6 600	—	3 700	7 800	6013	ZZ	2RU	—	2RS	0.435
	120	23	1.5	57.2	40.1	5 400	—	3 500	6 400	6213	ZZ	2RU	—	2RS	0.990
	140	33	2.1	92.7	59.9	4 800	—	3 200	5 800	6313	ZZ	2RU	—	2RS	2.08
	160	37	2.1	118	79.2	4 300	—	—	5 200	6413	—	—	—	—	3.30
	90	10	0.6	12.1	11.9	6 800	—	—	8 100	6814	ZZ	2RU	—	—	0.134
	100	16	1	23.7	21.2	6 400	—	—	7 600	6914	ZZ	2RU	—	—	0.342
70	110	13	0.6	30.1	25.6	6 100	—	—	7 200	16014	—	—	—	—	0.433
	110	20	1.1	38.1	30.9	6 100	—	3 500	7 200	6014	ZZ	2RU	—	2RS	0.602

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