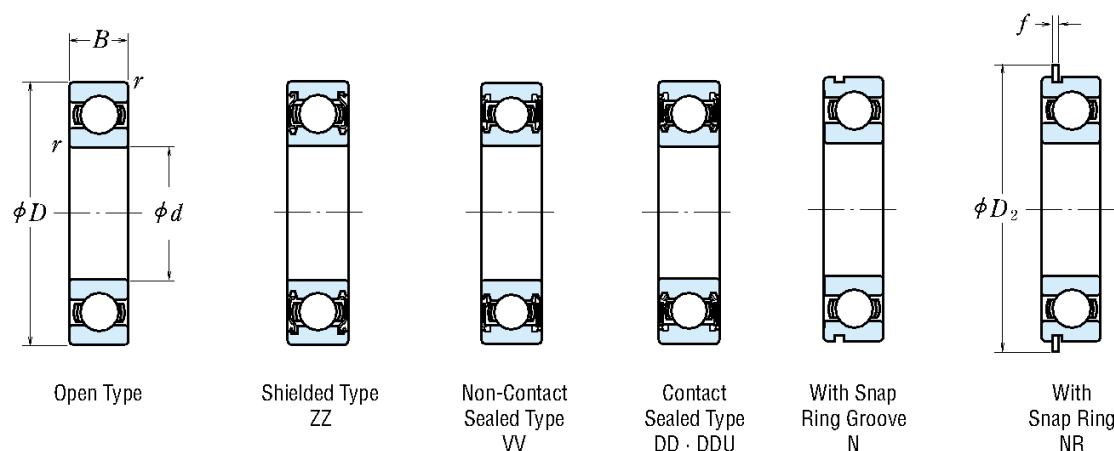


SINGLE-ROW DEEP GROOVE BALL BEARINGS

Bore Diameter 80 – 105 mm



Boundary Dimensions (mm)				Basic Load Ratings (N) (kgf)				Factor	Limiting Speeds (min ⁻¹)			Bearing Numbers			
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> min.	<i>C_r</i>	<i>C_{0r}</i>	<i>C_r</i>	<i>C_{0r}</i>	<i>f₀</i>	Grease		Oil	Open	Shielded	Sealed	
									Open Z · ZZ V · VV	DU DDU	Open Z				
80	100	10	0.6	12 700	14 500	1 290	1 470	17.4	6 000	3 400	7 100	6816	ZZ	VV	DDU
	110	16	1	25 000	24 000	2 540	2 450	16.6	5 600	3 200	6 700	6916	ZZ	VV	DDU
	125	14	0.6	32 000	29 600	3 250	3 000	16.4	5 300	—	6 300	16016	—	—	—
	125	22	1.1	47 500	40 000	4 850	4 050	15.6	5 300	3 200	6 300	6016	ZZ	VV	DDU
	140	26	2	72 500	53 000	7 400	5 400	14.6	4 500	3 000	5 300	6216	ZZ	VV	DDU
85	170	39	2.1	123 000	86 500	12 500	8 850	13.3	4 000	2 800	4 800	6316	ZZ	VV	DDU
	110	13	1	18 700	20 000	1 910	2 040	17.1	5 600	3 200	6 700	6817	ZZ	VV	DDU
	120	18	1.1	32 000	29 600	3 250	3 000	16.4	5 300	3 000	6 300	6917	ZZ	VV	DDU
	130	14	0.6	33 000	31 500	3 350	3 200	16.5	5 000	—	6 000	16017	—	—	—
	130	22	1.1	49 500	43 000	5 050	4 400	15.8	5 000	3 000	6 000	6017	ZZ	VV	DDU
90	150	28	2	84 000	62 000	8 550	6 300	14.5	4 300	2 800	5 000	6217	ZZ	VV	DDU
	180	41	3	133 000	97 000	13 500	9 850	13.3	3 800	2 600	4 500	6317	ZZ	VV	DDU
	115	13	1	19 000	21 000	1 940	2 140	17.2	5 300	3 000	6 300	6818	ZZ	VV	DDU
	125	18	1.1	33 000	31 500	3 350	3 200	16.5	5 000	2 800	6 000	6918	ZZ	VV	DDU
	140	16	1	41 500	39 500	4 250	4 000	16.3	4 800	—	5 600	16018	—	—	—
95	140	24	1.5	58 000	50 000	5 950	5 050	15.6	4 800	2 800	5 600	6018	ZZ	VV	DDU
	160	30	2	96 000	71 500	9 800	7 300	14.5	4 000	2 600	4 800	6218	ZZ	VV	DDU
	190	43	3	143 000	107 000	14 500	11 000	13.3	3 600	2 400	4 300	6318	ZZ	VV	DDU
	120	13	1	19 300	22 000	1 970	2 240	17.2	5 000	2 800	6 000	6819	ZZ	VV	DD
	130	18	1.1	33 500	33 500	3 450	3 400	16.6	4 800	2 800	5 600	6919	ZZ	VV	DDU
100	145	16	1	43 000	42 000	4 350	4 250	16.4	4 500	—	5 300	16019	—	—	—
	145	24	1.5	60 500	54 000	6 150	5 500	15.8	4 500	2 600	5 300	6019	ZZ	VV	DDU
	170	32	2.1	109 000	82 000	11 100	8 350	14.4	3 800	2 600	4 500	6219	ZZ	VV	DDU
	200	45	3	153 000	119 000	15 600	12 100	13.3	3 000	2 400	3 600	6319	ZZ	VV	DDU
	125	13	1	19 600	23 000	2 000	2 340	17.3	4 800	2 800	5 600	6820	ZZ	VV	DD
105	140	20	1.1	43 000	42 000	4 350	4 250	16.4	4 500	2 600	5 300	6920	ZZ	VV	DDU
	150	16	1	42 500	42 000	4 300	4 300	16.5	4 300	—	5 300	16020	—	—	—
	150	24	1.5	60 000	54 000	6 150	5 550	15.9	4 300	2 600	5 300	6020	ZZ	VV	DDU
	180	34	2.1	122 000	93 000	12 500	9 500	14.4	3 600	2 400	4 300	6220	ZZ	VV	DDU
	215	47	3	173 000	141 000	17 700	14 400	13.2	2 800	2 200	3 400	6320	ZZ	VV	DDU
105	130	13	1	19 800	23 900	2 020	2 440	17.4	4 800	2 600	5 600	6821	ZZ	VV	DDU
	145	20	1.1	42 500	42 000	4 300	4 300	16.5	4 300	—	5 300	6921	ZZ	VV	—
	160	18	1	52 000	50 500	5 300	5 150	16.3	4 000	—	4 800	16021	—	—	—
	160	26	2	72 500	66 000	7 400	6 700	15.8	4 000	2 400	4 800	6021	ZZ	VV	DDU
	190	36	2.1	133 000	105 000	13 600	10 700	14.4	3 400	2 200	4 000	6221	ZZ	VV	DDU
	225	49	3	184 000	154 000	18 700	15 700	13.2	2 600	2 000	3 200	6321	ZZ	—	DDU

Notes (1) For tolerances for the snap ring grooves and snap ring dimensions, refer to Pages **A50** to **A53**.

(2) When heavy axial loads are applied, increase *d_a* and decrease *D_a* from the above values.