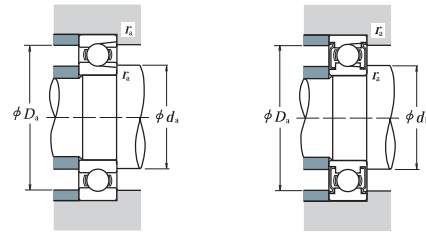
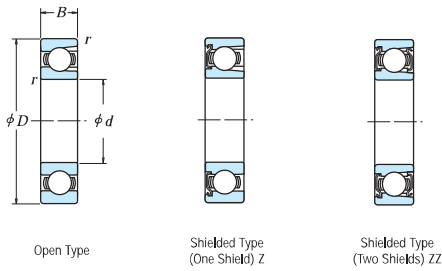


MAXIMUM TYPE BALL BEARINGS

Bore Diameter 25 – 110 mm



d	Boundary Dimensions (mm)				Basic Load Ratings (N)				Basic Load Ratings (kgf)				Limiting Speeds (min <sup>-1</sup> )		Open
	D	B	r min.	r	C <sub>r</sub>	C <sub>0r</sub>	C <sub>r</sub>	C <sub>0r</sub>	C <sub>r</sub>	C <sub>0r</sub>	Grease Open Z · ZZ	Oil Open Z			
25	52	15	1	1	14 400	10 500	1 470	1 070	12 000	15 000	BL 205				
	62	17	1.1	1.1	21 500	15 500	2 200	1 580	11 000	13 000	BL 305				
30	62	16	1	1	21 000	16 300	2 150	1 660	10 000	12 000	BL 206				
	72	19	1.1	1.1	27 900	20 700	2 840	2 110	9 000	11 000	BL 306				
35	72	17	1.1	1.1	27 800	22 100	2 830	2 250	9 000	11 000	BL 207				
	80	21	1.5	1.5	37 000	29 100	3 800	2 970	8 000	9 500	BL 307				
40	80	18	1.1	1.1	35 500	28 800	3 600	2 940	8 000	9 500	BL 208				
	90	23	1.5	1.5	46 500	36 000	4 750	3 650	7 500	9 000	BL 308				
45	85	19	1.1	1.1	37 000	32 000	3 800	3 250	7 500	9 000	BL 209				
	100	25	1.5	1.5	55 500	44 000	5 650	4 500	6 300	8 000	BL 309				
50	90	20	1.1	1.1	39 000	35 000	3 950	3 550	6 700	8 500	BL 210				
	110	27	2	2	65 000	52 500	6 600	5 350	6 000	7 100	BL 310				
55	100	21	1.5	1.5	48 000	44 000	4 900	4 500	6 300	7 500	BL 211				
	120	29	2	2	75 000	61 500	7 650	6 250	5 600	6 700	BL 311				
60	110	22	1.5	1.5	58 000	54 000	5 950	5 550	5 600	6 700	BL 212				
	130	31	2.1	2.1	85 500	71 500	8 700	7 300	5 000	6 000	BL 312				
65	120	23	1.5	1.5	63 500	60 000	6 450	6 150	5 300	6 300	BL 213				
	140	33	2.1	2.1	103 000	89 500	10 500	9 150	4 800	5 600	BL 313				
70	125	24	1.5	1.5	69 000	66 000	7 050	6 750	5 000	6 000	BL 214				
	150	35	2.1	2.1	115 000	102 000	11 800	10 400	4 300	5 300	BL 314				
75	130	25	1.5	1.5	72 000	72 000	7 350	7 300	4 500	5 600	BL 215				
	160	37	2.1	2.1	126 000	116 000	12 800	11 800	4 000	5 000	BL 315				
80	140	26	2	2	84 000	85 000	8 600	8 650	4 300	5 300	BL 216				
	170	39	2.1	2.1	136 000	130 000	13 900	13 300	3 800	4 500	BL 316				
85	150	28	2	2	93 000	93 000	9 500	9 450	4 000	5 000	BL 217				
	180	41	3	3	147 000	145 000	15 000	14 800	3 600	4 300	BL 317				
90	160	30	2	2	107 000	107 000	10 900	10 900	3 800	4 500	BL 218				
	190	43	3	3	158 000	161 000	16 100	16 400	3 400	4 000	BL 318				
95	170	32	2.1	2.1	121 000	123 000	12 300	12 500	3 600	4 300	BL 219				
	200	45	3	3	169 000	178 000	17 300	18 100	2 800	3 600	BL 319				
100	180	34	2.1	2.1	136 000	140 000	13 800	14 200	3 400	4 000	BL 220				
105	190	36	2.1	2.1	148 000	157 000	15 000	16 000	3 200	3 800	BL 221				
110	200	38	2.1	2.1	160 000	176 000	16 300	17 900	2 800	3 400	BL 222				

Bearing Numbers		Abutment and Fillet Dimensions (mm)				Mass (kg)
With One Shielded	With Two Shields	d <sub>a</sub> min.	d <sub>b</sub> max.	D <sub>a</sub> max.	r <sub>a</sub> max.	
BL 205 Z	BL 205 ZZ	30	32	47	1	0.133
BL 305 Z	BL 305 ZZ	31.5	36	55.5	1	0.246
BL 206 Z	BL 206 ZZ	35	38.5	57	1	0.215
BL 306 Z	BL 306 ZZ	36.5	42	65.5	1	0.364
BL 207 Z	BL 207 ZZ	41.5	44.5	65.5	1	0.307
BL 307 Z	BL 307 ZZ	43	44.5	72	1.5	0.486
BL 208 Z	BL 208 ZZ	46.5	50	73.5	1	0.394
BL 308 Z	BL 308 ZZ	48	52.5	82	1.5	0.685
BL 209 Z	BL 209 ZZ	51.5	55.5	78.5	1	0.449
BL 309 Z	BL 309 ZZ	53	61.5	92	1.5	0.883
BL 210 Z	BL 210 ZZ	56.5	60	83.5	1	0.504
BL 310 Z	BL 310 ZZ	59	68	101	2	1.16
BL 211 Z	BL 211 ZZ	63	66.5	92	1.5	0.667
BL 311 Z	BL 311 ZZ	64	72.5	111	2	1.49
BL 212 Z	BL 212 ZZ	68	74.5	102	1.5	0.856
BL 312 Z	BL 312 ZZ	71	79	119	2	1.88
BL 213 Z	BL 213 ZZ	73	80	112	1.5	1.09
BL 313 Z	BL 313 ZZ	76	85.5	129	2	2.36
BL 214 Z	BL 214 ZZ	78	84	117	1.5	1.19
BL 314 Z	BL 314 ZZ	81	92	139	2	2.87
BL 215 Z	BL 215 ZZ	83	90	122	1.5	1.29
BL 315 Z	BL 315 ZZ	86	98.5	149	2	3.43
BL 216 Z	BL 216 ZZ	89	95.5	131	2	1.61
BL 316 Z	BL 316 ZZ	91	104.5	159	2	4.08
BL 217 Z	BL 217 ZZ	94	102	141	2	1.97
BL 317 Z	BL 317 ZZ	98	110.5	167	2.5	4.77
BL 218 Z	BL 218 ZZ	99	107.5	151	2	2.43
BL 318 Z	BL 318 ZZ	103	117	177	2.5	5.45
BL 219 Z	BL 219 ZZ	106	114	159	2	2.95
BL 319 Z	BL 319 ZZ	108	124	187	2.5	6.4
BL 220 Z	BL 220 ZZ	111	121.5	169	2	3.54
BL 221 Z	BL 221 ZZ	116	127.5	179	2	4.23
—	—	121	—	189	2	4.84

Remarks When using Maximum Type Ball Bearings, please contact NSK.