

Selection by Dimensions (Metric)

Bore Diameter 10 – 12 mm

Bore Diameter	OD	Width	Part Number	Type	Bearing Type
10	26	8	6000Z	B1	Single Row Radial Ball Bearings
	26	8	6000ZZ	B1	Single Row Radial Ball Bearings
	26	8	6000ZZNR	B4	Single Row Radial Ball Bearings
	26	8	7000BM	D	Single Row Angular Contact Ball Bearings
	28	13	53200	E1	Thrust Ball Bearings
	28	8	16100	B	Single Row Radial Ball Bearings
	28	8	E10	D1	Single Row Radial Ball Bearings
	30	14	2200J	G	Double Row Self Aligning Ball Bearings
	30	14	3200A	M	Double Row Angular Contact Ball Bearings
	30	14	3200B-2RSTN	M2	Double Row Angular Contact Ball Bearings
	30	14	3200B-2ZTN	M1	Double Row Angular Contact Ball Bearings
	30	14	3200BTN	M	Double Row Angular Contact Ball Bearings
	30	14	4200J	L	Double Row Ball Bearings
	30	14	4200BTN	L	Double Row Ball Bearings
	30	18	7200ASTRDULP3	D	Super Precision Bearings
	30	18	7200ASTRDUMP3	D	Super Precision Bearings
	30	18	7200CTRDULP3	D	Super Precision Bearings
	30	18	7200CTRDUMP3	D	Super Precision Bearings
	30	9	1200J	G	Double Row Self Aligning Ball Bearings
	30	9	6200	B	Single Row Radial Ball Bearings
	30	9	6200DDU	B2	Single Row Radial Ball Bearings
	30	9	6200DDUNR	B5	Single Row Radial Ball Bearings
	30	9	6200DU	B2	Single Row Radial Ball Bearings
	30	9	6200NR	B	Single Row Radial Ball Bearings
	30	9	6200VV	B6	Single Row Radial Ball Bearings
	30	9	6200Z	B1	Single Row Radial Ball Bearings
	30	9	6200ZNR	B4	Single Row Radial Ball Bearings
	30	9	6200ZZ	B1	Single Row Radial Ball Bearings
	30	9	6200ZZNR	B4	Single Row Radial Ball Bearings
	30	9	7200BW	D	Single Row Angular Contact Ball Bearings
	30	9	7200BWG	D	Single Row Angular Contact Ball Bearings
	32	14	LB3200B-2ZRSTN	M6	Double Row Angular Contact Ball Bearings
	32	14	LZ3200B-2ZRSTN	M7	Double Row Angular Contact Ball Bearings
	32	22	52202	N	Thrust Ball Bearings
	35	11	1300J	G	Double Row Self Aligning Ball Bearings
	35	11	6300	B	Single Row Radial Ball Bearings
	35	11	6300DDU	B2	Single Row Radial Ball Bearings
	35	11	6300DU	B2	Single Row Radial Ball Bearings
	35	11	6300VV	B6	Single Row Radial Ball Bearings
	35	11	6300Z	B1	Single Row Radial Ball Bearings
	35	11	6300ZZ	B1	Single Row Radial Ball Bearings
	35	11	7300BW	D	Single Row Angular Contact Ball Bearings
	35	17	2300J	G	Double Row Self Aligning Ball Bearings
11	32	7	E11	D1	Single Row Radial Ball Bearings
12	21	5	6801	B	Single Row Radial Ball Bearings
	21	5	6801DD	B2	Single Row Radial Ball Bearings
	21	5	6801VV	B6	Single Row Radial Ball Bearings
	21	5	6801ZZ	B1	Single Row Radial Ball Bearings
	24	6	6901	B	Single Row Radial Ball Bearings
	24	6	6901DD	B2	Single Row Radial Ball Bearings
	24	6	6901VV	B6	Single Row Radial Ball Bearings
	24	6	6901ZZ	B1	Single Row Radial Ball Bearings
	26	9	51101	E	Thrust Ball Bearings
	28	11	51201	E	Thrust Ball Bearings
	28	12	63001DDU	B2	Single Row Radial Ball Bearings
	28	12	63001ZZ	B1	Single Row Radial Ball Bearings
	28	7	16001	B	Single Row Radial Ball Bearings
	28	8	6001	B	Single Row Radial Ball Bearings

Self-Aligning Ball Bearings



22

Basic Type & Series
1200: Metric, self-aligning, extra narrow
1300: Metric, self-aligning, narrow
2200: Metric, self-aligning, wide
2300: Metric, self-aligning, extra wide
NLJ: Inches, self aligning, light
NMJ: Inches, self aligning, medium

06

Bore Size
Metric:
(04 and up: multiply last two numbers by 5 to get bore in mm)
00: 10 mm 04: 20 mm
01: 12 mm 05: 25 mm
02: 15 mm 12: 60 mm
03: 17 mm 20: 100 mm
Inch: directly indicated

2RS

Suffixes
2RS: Double contact seal
K: Taper bore 1:12
E: Extra Capacity
NR: Snap Ring

TNG

Cage Material
TNG: Polyamide
J: Pressed Steel

C3

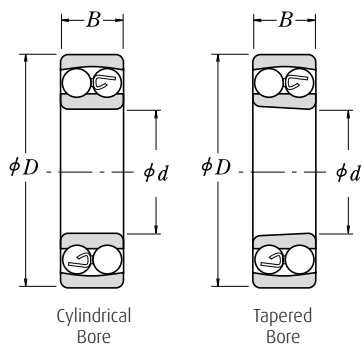
Internal Clearance
C2: Tight
Blank: Normal
C3: Loose
C4: Extra Loose

Typical Applications

- › Film Processing Equipment › Vertical Spinning Equipment › Vertical Weaving Equipment › Paper Making – Fourdrinier
- › Industrial Countershafts

Double Row Self Aligning Ball Bearings

Bore Diameter 5 – 30 mm



Boundary Dimensions (mm)			Basic Load Ratings (N)		Limiting Speeds (min ⁻¹)		Bearing Numbers		Mass (kg)
d	D	B	C _r	C _{0r}	Grease	Oil	Cylindrical Bore	Tapered Bore ¹⁾	approx
5	19	6	2 530	475	30 000	36 000	135	–	0,009
6	19	6	2 530	475	30 000	36 000	126	–	0,008
7	22	7	2 750	600	26 000	32 000	127	–	0,013
8	22	7	2 750	600	26 000	32 000	108	–	0,016
9	26	8	4 150	895	26 000	30 000	129	–	0,021
10	30	9	5 550	1 190	22 000	28 000	1200	–	0,033
	30	14	7 450	1 590	24 000	28 000	2200	–	0,042
	35	11	7 350	1 620	20 000	24 000	1300	–	0,057
	35	17	9 200	2 010	18 000	22 000	2300	–	0,077
12	32	10	5 700	1 270	22 000	26 000	1201	–	0,039
	32	14	7 750	1 730	22 000	26 000	2201	–	0,048
	37	12	9 650	2 160	18 000	22 000	1301	–	0,066
	37	17	12 100	2 730	17 000	22 000	2301	–	0,082
15	35	11	7 600	1 750	18 000	22 000	1202	–	0,051
	35	14	7 800	1 850	18 000	22 000	2202	–	0,055
	42	13	9 700	2 290	16 000	20 000	1302	–	0,093
	42	17	12 300	2 910	14 000	18 000	2302	–	0,108
17	40	12	8 000	2 010	16 000	20 000	1203	–	0,072
	40	16	9 950	2 420	16 000	20 000	2203	–	0,085
	47	14	12 700	3 200	14 000	17 000	1303	–	0,13
	47	19	14 700	3 550	13 000	16 000	2303	–	0,15
20	47	14	10 000	2 610	14 000	17 000	1204	1204 K	0,12
	47	18	12 800	3 300	14 000	17 000	2204	2204 K	0,133
	52	15	12 600	3 350	12 000	15 000	1304	1304 K	0,165
	52	21	18 500	4 700	11 000	14 000	2304	2304 K	0,193
25	52	15	12 200	3 300	12 000	14 000	1205	1205 K	0,14
	52	18	12 400	3 450	12 000	14 000	2205	2205 K	0,15
	62	17	18 200	5 000	10 000	13 000	1305	1305 K	0,255
	62	24	24 900	6 600	9 500	12 000	2305	2305 K	0,319
30	62	16	15 800	4 650	10 000	12 000	1206	1206 K	0,22
	62	20	15 300	4 550	10 000	12 000	2206	2206 K	0,249
	72	19	21 400	6 300	8 500	11 000	1306	1306 K	0,385
	72	27	32 000	8 750	8 000	10 000	2306	2306 K	0,48

¹⁾ The suffix K represents bearings with tapered bores (1 : 12).

For the dimensions related to adapters, refer to Page B354 on Cat. RB/A/GB/...