

Selection by Dimensions (Metric)

Bore Diameter 13 – 15 mm

Bore Diameter	OD	Width	Part Number	Type	Bearing Type
13	30	7	E13	D1	Single Row Radial Ball Bearings
	30	7	EN13	D1	Single Row Radial Ball Bearings
14	35	8	E14	D1	Single Row Radial Ball Bearings
15	15	24	5	6802B	Single Row Radial Ball Bearings
	24	5	6802DD	B2	Single Row Radial Ball Bearings
	24	5	6802VV	B6	Single Row Radial Ball Bearings
	24	5	6802ZZ	B1	Single Row Radial Ball Bearings
	28	7	6902	B	Single Row Radial Ball Bearings
	28	7	6902DD	B2	Single Row Radial Ball Bearings
	28	7	6902VV	B6	Single Row Radial Ball Bearings
	28	7	6902ZZ	B1	Single Row Radial Ball Bearings
	28	9	51102	E	Thrust Ball Bearings
	32	12	51202	E	Thrust Ball Bearings
	32	18	7002ASTRDULP3	D	Super Precision Bearings
	32	18	7002ASTRDUMP3	D	Super Precision Bearings
	32	18	7002CTRDULP3	D	Super Precision Bearings
	32	18	7002CTRDUMP3	D	Super Precision Bearings
	32	8	16002	B	Single Row Radial Ball Bearings
	32	9	6002	B	Single Row Radial Ball Bearings
	32	9	6002DDU	B2	Single Row Radial Ball Bearings
	32	9	6002DDUNR	B5	Single Row Radial Ball Bearings
	32	9	6002DU	B2	Single Row Radial Ball Bearings
	32	9	6002NR	B3	Single Row Radial Ball Bearings
	32	9	6002VV	B6	Single Row Radial Ball Bearings
	32	9	6002Z	B1	Single Row Radial Ball Bearings
	32	9	6002ZZ	B1	Single Row Radial Ball Bearings
	32	9	6002ZZNR	B4	Single Row Radial Ball Bearings
	32	9	7002BM	D	Single Row Angular Contact Ball Bearings
	35	11	1202J	G	Double Row Self Aligning Ball Bearings
	35	11	1202TN	G	Double Row Self Aligning Ball Bearings
	35	11	6202	B	Single Row Radial Ball Bearings
	35	11	6202DDU	B2	Single Row Radial Ball Bearings
	35	11	6202DDUNR	B5	Single Row Radial Ball Bearings
	35	11	6202DU	B2	Single Row Radial Ball Bearings
	35	11	6202NR	B3	Single Row Radial Ball Bearings
	35	11	6202VV	B6	Single Row Radial Ball Bearings
	35	11	6202Z	B1	Single Row Radial Ball Bearings
	35	11	6202ZZNR	B4	Single Row Radial Ball Bearings
	35	11	6202ZZ	B1	Single Row Radial Ball Bearings
	35	11	6202ZZNR	B4	Single Row Radial Ball Bearings
	35	11	7202BEAT85	D	Single Row Angular Contact Ball Bearings
	35	11	7202BEAT85SUN	D	Single Row Angular Contact Ball Bearings
	35	11	7202BW	D	Single Row Angular Contact Ball Bearings
	35	11	7202BWG	D	Single Row Angular Contact Ball Bearings
	35	11	NJ202W	H1	Cylindrical Roller Bearings
	35	11	NU202W	H2	Cylindrical Roller Bearings
	35	11,75	30202	F	Tapered Roller Bearings
	35	14	2202J	G	Double Row Self Aligning Ball Bearings
	35	14	2202-2RSTN	G2	Double Row Self Aligning Ball Bearings
	35	14	2202ETN	G	Double Row Self Aligning Ball Bearings
	35	14	2202M	G	Double Row Self Aligning Ball Bearings
	35	14	4202J	L	Double Row Ball Bearings
	35	14	4202BTN	L	Double Row Ball Bearings
	35	15	53202	E1	Thrust Ball Bearings
	35	15,9	3202J	M	Double Row Angular Contact Ball Bearings
	35	15,9	3202B-2RSTN	M2	Double Row Angular Contact Ball Bearings
	35	15,9	3202B-2ZTN	M1	Double Row Angular Contact Ball Bearings
	35	15,9	3202BTN	M	Double Row Angular Contact Ball Bearings
	35	15,9	3202BZTN	M1	Double Row Angular Contact Ball Bearings

Self-Aligning Ball Bearings



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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

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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

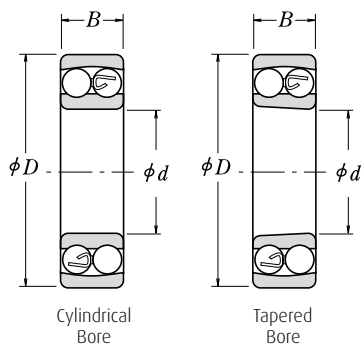
Internal Clearance
C2: Tight
Blank: Normal
C3: Loose
C4: Extra Loose

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/...