

Selection by Dimensions (Inch)

Bore Diameter 6 – 57,15 Inch

Bore Diameter	OD	Width	Part Number	Type	Bearing Type
6	10½	1⅞	LJ6J	B	Single Row Radial Ball Bearings
	10½	1⅞	LJT6M	D	Single Row Angular Contact Ball Bearings
	10½	1⅞	LRJ6M	H	Cylindrical Roller Bearings
	10½	1⅞	LRJA6M	H4	Cylindrical Roller Bearings
	12	2¼	MRJ6EM	H	Cylindrical Roller Bearings
	8	1	XLJ6M	B	Single Row Radial Ball Bearings
6½	11	1⅞	LJ6½M	B	Single Row Radial Ball Bearings
	11	1⅞	LJT6½M	D	Single Row Angular Contact Ball Bearings
	11	1⅞	LRJ6½M	H	Cylindrical Roller Bearings
	11	1⅞	LRJA6½M	H4	Cylindrical Roller Bearings
	13	2½	MRJ6½EM	H	Cylindrical Roller Bearings
	13	2½	MRJA6½EM	H4	Cylindrical Roller Bearings
	8¾	1⅞	XLJ6½M	B	Single Row Radial Ball Bearings
	8¾	1⅞	XLRJ6½M	H	Cylindrical Roller Bearings
6¾	9	1⅞	XLJ6¾J	B	Single Row Radial Ball Bearings
7	12	1¾	LJ7M	B	Single Row Radial Ball Bearings
	12	1¾	LJT7M	D	Single Row Angular Contact Ball Bearings
	12	1¾	LRJ7M	H	Cylindrical Roller Bearings
	12	1¾	LRJA7M	H4	Cylindrical Roller Bearings
	9½	1¾	XLJ7M	B	Single Row Radial Ball Bearings
7½	10	1¾	XLJ7½M	B	Single Row Radial Ball Bearings
	12½	1¾	LJ7½M	B	Single Row Radial Ball Bearings
	12½	1¾	LJT7½M	D	Single Row Angular Contact Ball Bearings
8	10¾	1⅞	XLJ8M	B	Single Row Radial Ball Bearings
	13	1¾	LJ8M	B	Single Row Radial Ball Bearings
	13	1¾	LJT8M	D	Single Row Angular Contact Ball Bearings
9	12	1½	XLJ9M	B	Single Row Radial Ball Bearings
	14½	2	LJ9M	B	Single Row Radial Ball Bearings
9½	12¾	1⅞	XLJ9½M	B	Single Row Radial Ball Bearings
10	13¾	1⅞	XLJ10M	B	Single Row Radial Ball Bearings
23,838	62	31,75	BSB093DUHP3	D	Super Precision Bearings
38,1	72	31,75	BSB150DUHP3	D	Super Precision Bearings
44,4754	76,2	31,75	BSB175DUHP3	D	Super Precision Bearings
57,15	90	31,75	BSB225DUHP3	D	Super Precision Bearings

Single Row Deep Groove Ball Bearings



Basic Type & Series

- 600: Metric, extra small
- 16000: Metric, thin section
- 6000: Metric, extra light
- 6200: Metric, light
- 6300: Metric, medium
- 6800: Metric, extra thin section
- 6900: Metric, very thin section
- BL 200: Metric, maximum capacity, light
- BL 300: Metric, maximum capacity, medium
- KLNJ: Inch, small
- XLJ: Inch, extra light
- IJ: Inch, light
- MJ: Inch, medium

Features

- V: Single non-contact seal
- VV: Double non-contact seal
- Z: Single shield
- ZZ: Double shield
- DU: Single contact seal
- DDU: Double contact seal
- NR: Snap ring and groove
- M: Brass cage
- Blank: Steel cage

- Noise Level
- E: Electric Motor Grade

62

05

ZZ

C3

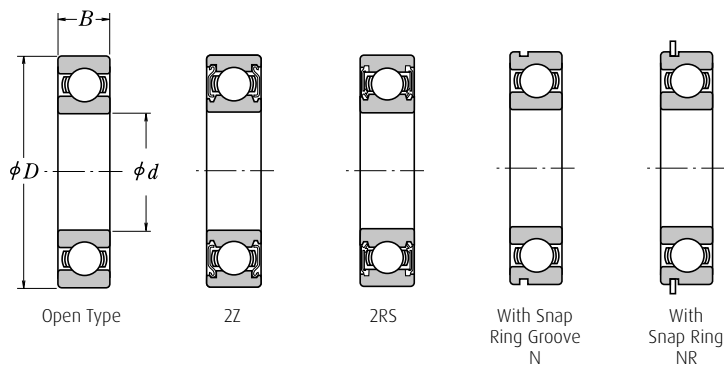
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Bore Diameter
(04 and up: multiply last two numbers by 5 to get bore in mm)
00: 10 mm 03: 17 mm 12: 60 mm
01: 12 mm 04: 20 mm 20: 100 mm
02: 15 mm 05: 25 mm
Inch: directly indicated

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

Single Row Deep Groove Ball Bearings (Inch)

Bore Diameter $5\frac{3}{4}$ – $10\frac{1}{2}$ Inch



Boundary Dimensions (Inch)			Basic Bearing (N)	Variants						Basic Load Ratings		Limiting Speeds (min ⁻¹)		Mass (kg)
d	D	B		Z	-ZZ	RS	-2RS	N	NR	C _r	C _{0r}	Open Z ZZ Grease	Open Z Oil	
5¾	7¾	1	XLJ5¾							53 500	57 000	1 500	3 000	2,29
6	8	1	XLJ6							54 500	99 500	1 400	2 800	2,37
	10½	1⅞	LJ6							180 000	167 000	2 300	3 100	9,48
	12	2¼	MJ6							259 000	251 000	2 100	2 800	19,5
6½	8¾	1⅞	XLJ6½							66 000	72 000	1 300	2 600	3,13
	11	1⅞	LJ6½							188 000	183 000	2 100	2 900	10,2
	13	2½	MJ6½							286 000	289 000	1 900	2 500	26,5
7	9½	1¼	XLJ7							77 500	85 500	1 200	2 300	4,23
	12	1¾	LJ7							221 000	224 000	1 900	2 600	14,1
	13½	2½	MJ7							306 000	326 000	1 700	2 400	27,5
7½	10	1¼	XLJ7½							79 000	89 000	1 100	2 200	4,5
	12½	1¾	LJ7½							231 000	245 000	1 800	2 400	14,5
	14½	2¾	MJ7½							340 000	371 000	1 600	2 200	35,4
8	10¾	1⅞	XLJ8							94 500	108 000	1 000	2 000	5,81
	13	1¾	LJ8							230 000	247 000	1 700	2 300	15,9
	15	2¾	MJ8							366 000	377 000	1 500	2 000	36,5
8½	11½	1½	XLJ8½							108 000	123 000	900	1 800	7,44
	14	2	LJ8½							263 000	292 000	1 500	2 100	21,1
	16	3	MJ8½							396 000	442 000	1 400	1 800	47,2
9	12	1½	XLJ9							110 000	128 000	850	1 700	7,85
	14½	2	LJ9							275 000	318 000	1 500	2 000	22
	17	3	MJ9							400 000	495 000	1 200	1 600	53,1
9½	12¾	1⅞	XLJ9½							127 000	150 000	800	1 600	9,53
	15⅞	2	LJ9½							287 000	346 000	1 400	1 800	22,7
10	13¾	1⅞	XLJ10							130 000	157 000	750	1 500	9,89
	15¾	2	LJ10							285 000	350 000	1 300	1 700	25,5
	18½	3¼	MJ10							424 000	588 000	1 100	1 500	66,7
10½	14	1¾	XLJ10½							145 000	174 000	700	1 400	12,5
	16⅞	2¼	LJ10½							338 000	433 000	1 200	1 600	32,5

Radial Internal Clearances

Bore Diameter (mm)		Radial Internal Clearance Groups (µm)			
over	include	CN		C3	
		min.	max.	min.	max.
6	10	2	13	8	23
10	18	3	18	11	25
18	24	5	20	13	28
24	30	5	20	13	28
30	40	6	20	15	33
40	50	6	23	18	36
50	65	8	28	23	43
65	80	10	30	25	51
80	100	12	36	30	58

Interchange

	Description	NSK	SKF	FAG
Part Number	See Interchange list			
Suffixes	Polyamide cage Steel cage Brass cage Normal clearance Loose clearance	TNG J M Blank C3	TN9 J M Blank C3	TVH J M Blank C3