

Ball Bearing Size Chart: Find Your Exact Metric & Inch Specs

Finding the right ball bearing for your project can feel like a guessing game. Whether you're fixing a bicycle wheel, repairing a small engine, or building something new, getting the exact size is critical. This chart helps you quickly identify common metric and imperial (inch) ball bearing dimensions, covering the bore (inner diameter), outer diameter, and width. No more squinting at worn-out numbers or trying to convert on the fly—we've got the key specs laid out for you. You can download this chart or print it out to keep handy in your workshop.

BEARING SERIES / TYPE	BORE (ID) (MM)	BORE (ID) (INCH)	OUTER DIAMETER (OD) (MM)	OUTER DIAMETER (OD) (INCH)	WIDTH (W) (MM)	WIDTH (W) (INCH)
6000 (Metric)	10	0.3937	26	1.0236	8	0.3150
6001 (Metric)	12	0.4724	28	1.1024	8	0.3150
6002 (Metric)	15	0.5906	32	1.2598	9	0.3543
6201 (Metric)	12	0.4724	32	1.2598	10	0.3937
6202 (Metric)	15	0.5906	35	1.3780	11	0.4331
6203 (Metric)	17	0.6693	40	1.5748	12	0.4724
6204 (Metric)	20	0.7874	47	1.8504	14	0.5512
6205 (Metric)	25	0.9843	52	2.0472	15	0.5906
6301 (Metric)	12	0.4724	37	1.4567	12	0.4724
6302 (Metric)	15	0.5906	42	1.6535	13	0.5118
6303 (Metric)	17	0.6693	47	1.8504	14	0.5512
R2 (Imperial)	3.175	0.125 (1/8)	9.525	0.375 (3/8)	3.969	0.156 (5/32)
R3 (Imperial)	4.763	0.1875 (3/16)	12.7	0.5 (1/2)	4.978	0.196
R4 (Imperial)	6.35	0.25 (1/4)	15.875	0.625 (5/8)	4.978	0.196
R6 (Imperial)	9.525	0.375 (3/8)	22.225	0.875 (7/8)	7.144	0.281
R8 (Imperial)	12.7	0.5 (1/2)	28.575	1.125 (1 1/8)	7.938	0.3125 (5/16)
R10 (Imperial)	15.875	0.625 (5/8)	34.925	1.375 (1 3/8)	8.731	0.34375 (11/32)
R12 (Imperial)	19.05	0.75 (3/4)	41.275	1.625 (1 5/8)	11.113	0.4375 (7/16)
R16 (Imperial)	25.4	1.0 (1)	50.8	2.0 (2)	12.7	0.5 (1/2)

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