



Inch table

Dimensions in: inches - millimeters

¹ d ₁ Bore	² d ₂ Right hand thread	Left hand thread	b ₁	b ₂	d ₃	d ₄	d ₅ Ball Ø	d ₆	d ₇	l ₁	l ₂	A/F	t min.	w Max. tilting angle	Static load
0.1900 4.8	10 x 32	10 x 32L	0.31 7.9	0.25 6.4	0.30 7.6	0.75 19.1	0.43 10.9	0.41 10.4	0.31 7.9	1.06 26.9	1.44 36.6	0.31	0.56 14.2	13°	1800 lbf 8.0068 kN
0.2500 6.4	1/4 x 28	1/4 x 28L	0.38 9.7	0.28 7.1	0.35 8.9	0.75 19.1	0.51 13.0	0.47 11.9	0.38 9.7	1.31 33.3	1.69 42.9	0.38	0.75 19.1	13°	2300 lbf 10.2309 kN
0.3125 7.9	5/16 x 24	5/16 x 24L	0.44 11.2	0.34 8.6	0.44 11.2	0.88 22.4	0.62 15.7	0.50 12.7	0.44 11.2	1.38 35.1	1.81 46.0	0.44	0.75 19.1	13°	2900 lbf 12.8998 kN
0.3750 9.5	3/8 x 24	3/8 x 24L	0.50 12.7	0.41 10.4	0.51 13.0	1.00 25.4	0.71 18.0	0.69 17.5	0.56 14.2	1.63 41.4	2.13 54.1	0.56	0.94 23.9	13°	4300 lbf 19.1274 kN
0.4375 11.1	7/16 x 20	7/16 x 20L	0.56 14.2	0.44 11.2	0.58 14.7	1.13 28.7	0.80 20.3	0.75 19.1	0.63 16.0	1.81 46.0	2.37 60.2	0.63	1.06 26.9	13°	5350 lbf 23.7980 kN
0.5000 12.7	1/2 x 20	1/2 x 20L	0.63 16.0	0.50 12.7	0.69 17.5	1.31 33.3	0.93 23.6	0.88 22.4	0.75 19.1	2.13 54.1	2.78 70.6	0.75	1.19 30.2	15°	8400 lbf 37.3651 kN
0.6250 15.9	5/8 x 18	5/8 x 18L	0.75 19.1	0.56 14.2	0.80 20.3	1.50 38.1	1.10 27.9	1.00 25.4	0.88 22.4	2.50 63.5	3.25 82.6	0.88	1.50 38.1	15°	9550 lbf 42.4805 kN
0.7500 19.1	3/4 x 16	3/4 x 16L	0.88 22.4	0.69 17.5	1.01 25.7	1.75 44.5	1.34 34.0	1.13 28.7	1.00 25.4	2.88 73.2	3.75 95.3	1.00	1.75 44.5	14°	10500 lbf 46.7063 kN

Specification

- Housing
Low carbon steel
- Zinc plated
- Temperature resistant up to 300 °F (149 °C)
- Bearing socket
Sintered bronze
Oil impregnated, self-lubricating
- Internal ring
Low carbon steel
- Zinc plated
- Case-hardened

Information

WN 648 rod end bearings are used in controlling and linking mechanisms in all types of machines. Suitable for high load, low speed applications with hanging angles, requiring linear, rotational or oscillatory motions.

The bearing socket is made of a special oil impregnated bronze material which makes these rod end bearings self-lubricating, maintenance-free, and guarantees lowest friction. In addition, these rod end bearings have less increase of clearance after longer operating hours than rod end bearings with PTFE surface, and therefore a higher life expectancy.

see also...

- Rod End Bearings DIN 648 (Tapped Type) → page 1738
- Rod End Bearings DIN 648 (with Threaded Stem) → page 1740

How to order	¹ Bore d ₁
	² Thread d ₂

WN 648-0.1900-10X32