



Inch table

Dimensions in: inches - millimeters

¹ d ₁ Bore	² d ₂ Right hand thread	³ d ₂ Left hand thread	l ₃	b ₁	b ₂	d ₃	d ₄	d ₅ Ball Ø	l ₁	l ₂	w Max. tilting angle	Static load
0.1900 4.8	10 x 32	10 x 32L	0.75 19.1	0.31 7.9	0.25 6.4	0.30 7.6	0.75 19.1	0.43 10.9	1.25 31.8	1.63 41.4	13°	1600 lbf 7.1172 kN
0.2500 6.4	1/4 x 28	1/4 x 28L	1.00 25.4	0.38 9.7	0.28 7.1	0.35 8.9	0.75 19.1	0.51 13.0	1.56 39.6	1.94 49.3	13°	2250 lbf 10.0085 kN
0.3125 7.9	5/16 x 24	5/16 x 24L	1.25 31.8	0.44 11.2	0.34 8.6	0.44 11.2	0.88 22.4	0.62 15.7	1.88 47.8	2.32 58.9	13°	2850 lbf 12.6774 kN
0.3750 9.5	3/8 x 24	3/8 x 24L	1.25 31.8	0.50 12.7	0.41 10.4	0.51 13.0	1.00 25.4	0.71 18.0	1.94 49.3	2.44 62.0	13°	3900 lbf 17.3481 kN
0.4375 11.1	7/16 x 20	7/16 x 20L	1.38 35.1	0.56 14.2	0.44 11.2	0.58 14.7	1.13 28.7	0.80 20.3	2.13 54.1	2.70 68.6	13°	5300 lbf 23.5756 kN
0.5000 12.7	1/2 x 20	1/2 x 20L	1.50 38.1	0.63 16.0	0.50 12.7	0.69 17.5	1.31 33.3	0.93 23.6	2.44 62.0	3.10 78.7	15°	7400 lbf 32.9168 kN
0.6250 15.9	5/8 x 18	5/8 x 18L	1.63 41.4	0.75 19.1	0.56 14.2	0.80 20.3	1.50 38.1	1.10 27.9	2.63 66.8	3.38 85.9	15°	9350 lbf 41.5909 kN
0.7500 19.1	3/4 x 16	3/4 x 16L	1.75 44.5	0.88 22.4	0.69 17.5	1.01 25.7	1.75 44.5	1.34 34.0	2.88 73.2	3.76 95.5	14°	10450 lbf 46.4839 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 WN 648-0.4375-7/16X20-1.38	¹	Bore d ₁
	²	Thread d ₂
	³	Length l ₃

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10

