


The Timken Company

4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000

E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com
Part Number HJ-8811248, 6673M

- Clearance fit suggested for outer ring when housing is stationary relative to load.
- Tight transition fit suggested if housing rotates relative to load.
- Consult your Timken representative for oscillating applications (e.g., low radial-clearance concerns).
- Unmarked end of outer ring should be assembled against housing shoulder to clear maximum allowed housing fillet ($r_{as\ max}$).
- Meets Military Standard MS 51961.



[Bearing Dimensions](#) | [Specifications](#) | [Mounting Data](#) | [Sub Assembly Part Numbers](#)

Bearing Dimensions

Shaft Diameter (F_w)	139.70 mm 5.50 in
D - Outer Diameter	177.800 mm 7.0000 in
Dimension C/B	76.2 mm 3.0000 in

Specifications


Static Load Rating C_0	883000 N 198000 lbf
Dynamic Load Rating $C_1$¹	411000 N 92400 lbf
Geometry Factor C_g²	0.1369
Thermal Speed Ratings - Oil	2500 rpm
Thermal Speed Ratings - Grease	2200 rpm

Mounting Data

Chamfer r_{smin}	2.540 mm 0.1 in
Max. Mounting Dimensions Clearance Fit 1	139.70 mm 5.50 in
Min. Mounting Dimensions Clearance Fit 1	139.675 mm 5.4990 in
Max. Mounting Dimensions Clearance Fit 2	177.841 mm 7.0016 in
Min. Mounting Dimensions Clearance Fit 2	177.800 mm 7.000 in
Max. Mounting Dimensions Tight Transition Fit S	5.4984 mm 139.659 in
Min. Mounting Dimensions Tight Transition Fit S	139.634 mm 5.4974 in
Max. Mounting Dimensions Tight Transition Fit H	177.744 mm 6.9978 in
Min. Mounting Dimensions Tight Transition Fit H	177.785 mm 6.9994 in
Shoulder Diameter D_a	163.51 mm 6.438 in

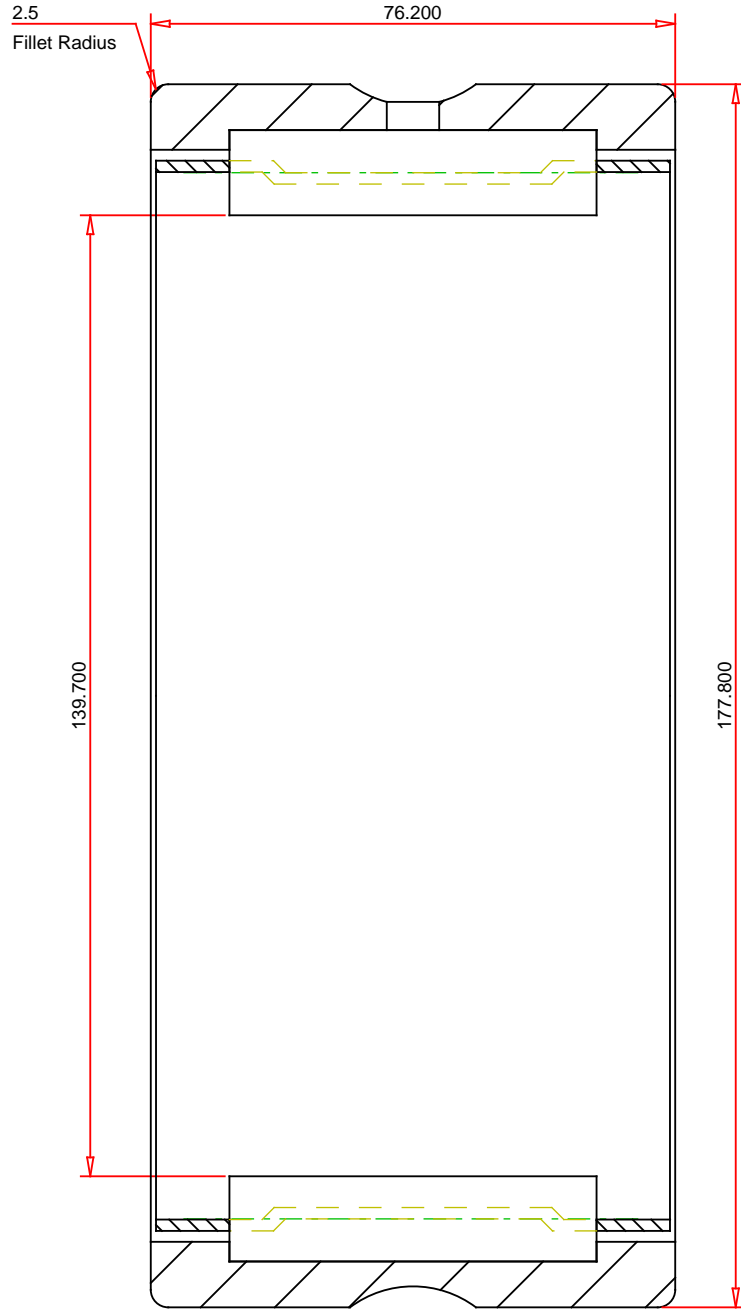
Sub Assembly Part Numbers

**Used with Inner Ring
Designation**

IR-728848

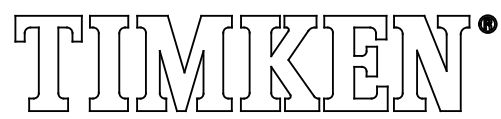
¹ Based on 1×10^6 revolutions L_{10} life, for the ISO life calculation method.

² C_g factor for bearing without inner ring.



METRIC UNITS

Bearing Weight 4.8 kg



THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

HJ-8811248
CYLINDRICAL ROLLER BEARING

Dynamic Load Rating 411000 N
Static Load Rating 883000 N

Every reasonable effort has been made to ensure the accuracy of the information contained in this writing, but no liability is accepted for errors, omissions or for any other reason.

FOR DISCUSSION ONLY