


The Timken Company

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Part Number HJ-729636, 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)	114.30 mm 4.50 in
D - Outer Diameter	152.400 mm 6 in
Dimension C/B	57.15 mm 2.2500 in

Specifications


Static Load Rating C_o	517000 N 116000 lbf
Dynamic Load Rating $C_1$¹	285000 N 64000 lbf
Geometry Factor C_g²	0.1100
Thermal Speed Ratings - Oil	3200 rpm
Thermal Speed Ratings - Grease	2800 rpm

Mounting Data

Chamfer r_{smin}	2.540 mm 0.1 in
Max. Mounting Dimensions Clearance Fit 1	114.30 mm 4.50 in
Min. Mounting Dimensions Clearance Fit 1	114.277 mm 4.4991 in
Max. Mounting Dimensions Clearance Fit 2	152.441 mm 6.0016 in
Min. Mounting Dimensions Clearance Fit 2	152.400 mm 6.000 in
Max. Mounting Dimensions Tight Transition Fit S	4.4986 mm 114.264 in
Min. Mounting Dimensions Tight Transition Fit S	114.242 mm 4.4977 in
Max. Mounting Dimensions Tight Transition Fit H	152.344 mm 5.9978 in
Min. Mounting Dimensions Tight Transition Fit H	152.385 mm 5.9994 in
Shoulder Diameter D_a	138.11 mm 5.438 in

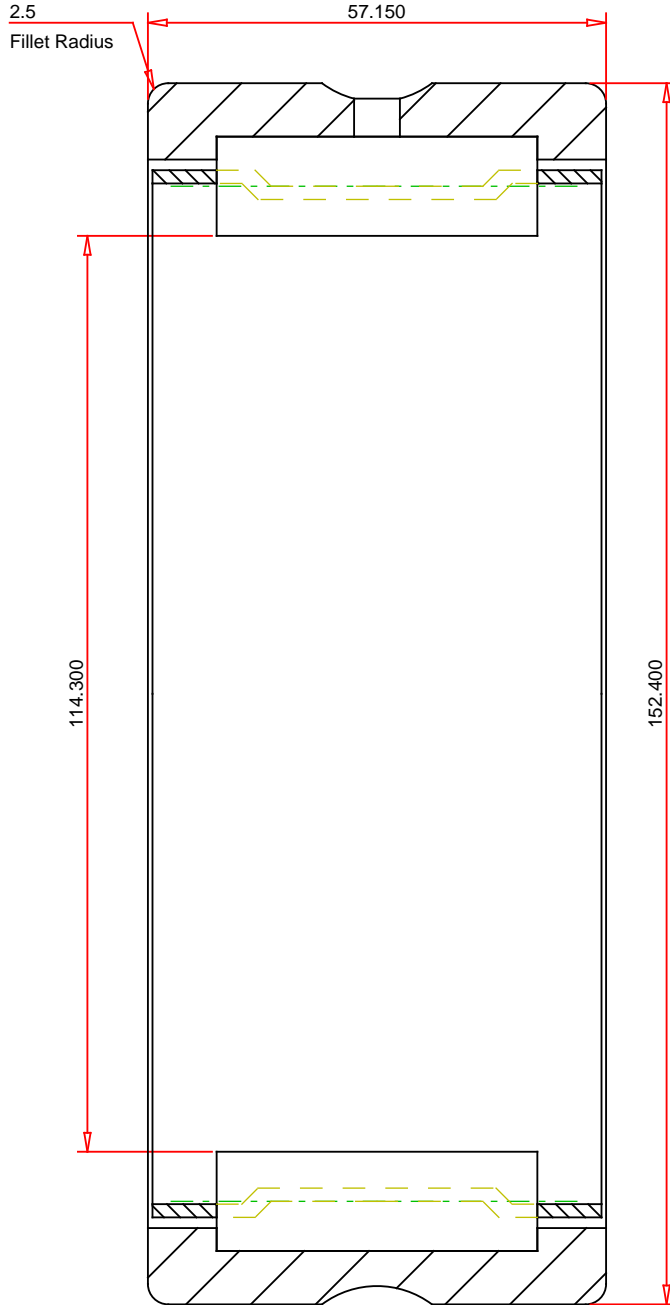
Sub Assembly Part Numbers

**Used with Inner Ring
Designation**

IR-607236

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 3.0 kg

TIMKEN[®]

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

HJ-729636
CYLINDRICAL ROLLER BEARING

Dynamic Load Rating 285000 N
Static Load Rating 517000 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