


The Timken Company

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Part Number HJ-8010436, 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)	127.00 mm 5.00 in
D - Outer Diameter	165.1 mm 6 1/2 in
Dimension C/B	57.15 mm 2.2500 in

Specifications



Static Load Rating C_o	590000 N 133000 lbf
Dynamic Load Rating C_1^1	308000 N 69200 lbf
Geometry Factor C_g^2	0.1188
Thermal Speed Ratings - Oil	2800 rpm
Thermal Speed Ratings - Grease	2500 rpm

Mounting Data

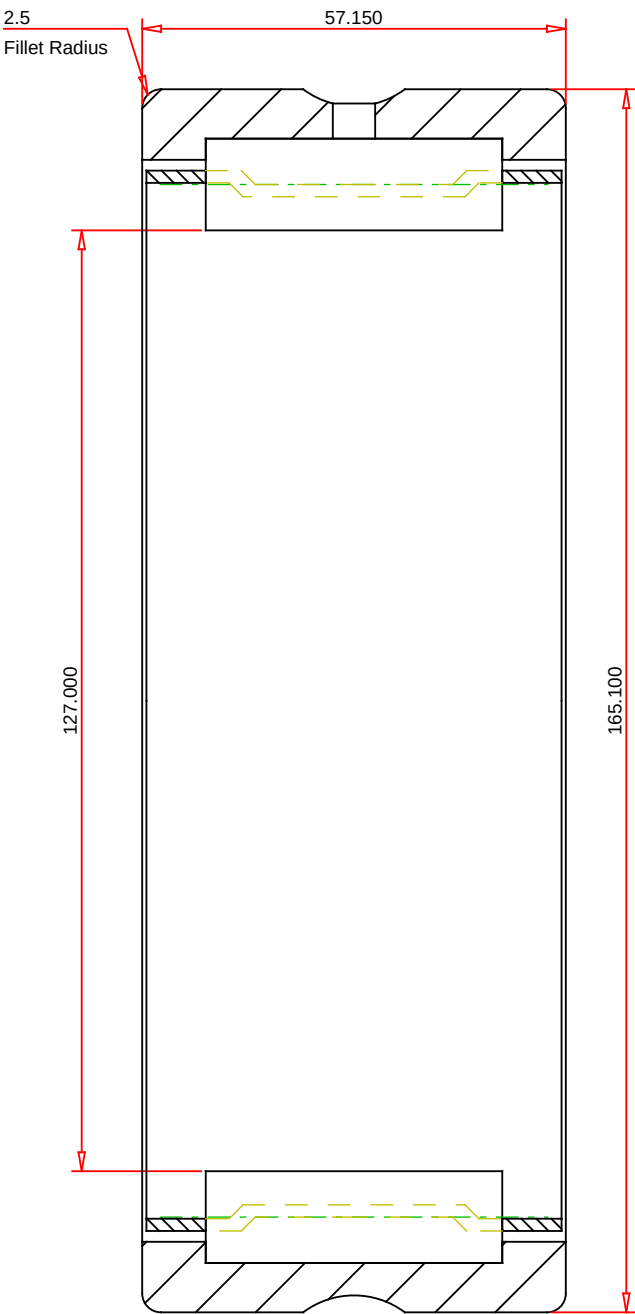
Chamfer r_{smin}	2.540 mm 0.1 in
Max. Mounting Dimensions Clearance Fit 1	127.00 mm 5.00 in
Min. Mounting Dimensions Clearance Fit 1	126.975 mm 4.9990 in
Max. Mounting Dimensions Clearance Fit 2	165.141 mm 6.5016 in
Min. Mounting Dimensions Clearance Fit 2	165.100 mm 6.500 in
Max. Mounting Dimensions Tight Transition Fit S	4.9984 mm 126.959 in
Min. Mounting Dimensions Tight Transition Fit S	126.934 mm 4.9974 in
Max. Mounting Dimensions Tight Transition Fit H	165.044 mm 6.4978 in
Min. Mounting Dimensions Tight Transition Fit H	165.085 mm 6.4994 in
Shoulder Diameter D_a	150.81 mm 5.938 in

Sub Assembly Part Numbers

Used with Inner Ring	IR-648036
Designation	IR-688036

¹ Based on 1 x 10⁶ revolutions L₁₀ life, for the ISO life calculation method.

² C_g factor for bearing without inner ring.



METRIC UNITS

Bearing Weight 3.3 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

HJ-8010436
CYLINDRICAL ROLLER BEARING

Dynamic Load Rating	308000	N
Static Load Rating	590000	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