


The Timken Company

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Timken Part Number 3MM9108WI, Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)

Timken® angular contact ball bearings are designed for combination radial and axial loading. Single-row bearings have high thrust capacity in one direction. Some single-row bearings are specifically designed for duplex mounting in sets for maximum performance.



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Dimensions

d - Bore	40.000 mm 1.5748 in
D - Outer Diameter	68.000 mm 2.6772 in
Bearing Width	15.000 mm 0.5906 in
Contact Angle	25 °
do - Ball Diameter	7.937500 mm 0.312500 in

Basic Load Ratings

C0 - Static Radial Rating	14200 N 3190 lbf
Ce - Dynamic Radial Rating¹	20800 N 4670 lbf

Factors

Limiting Speed (Grease)	17900 rpm
Limiting Speed (Oil)	35800 rpm

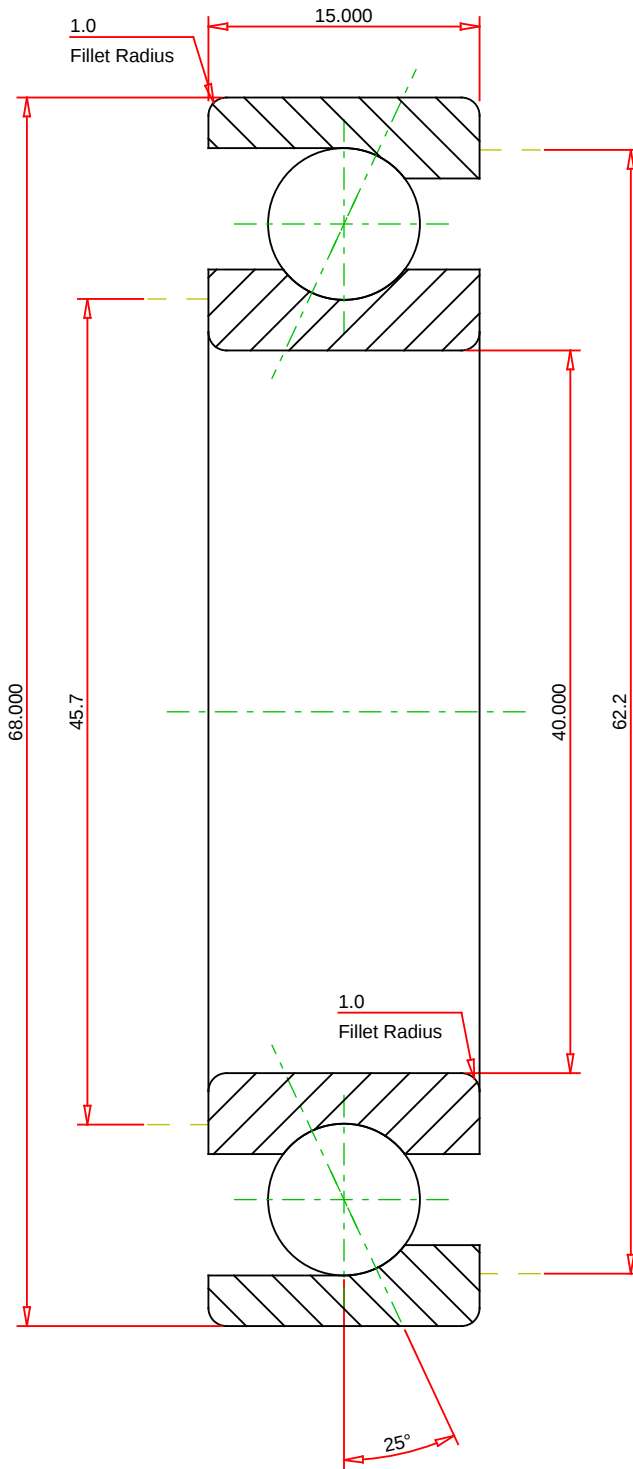
Specifications

Ball Type	Steel
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.187 Kg 0.41 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	1.000 mm 0.039 in
r - Outer Ring "To Clear" Radius³	1.000 mm 0.039 in
da - Inner Ring Backing Diameter	45.700 mm 1.800 in
Da - Outer Ring Backing Diameter	62.200 mm 2.450 in

- ¹ Based on 10^6 revolutions of calculated fatigue life.
- ² Maximum housing fillet radius that bearing corners will clear.
- ³ Maximum shaft fillet radius that bearing corners will clear.



METRIC UNITS

Number of Balls Per Row 16
Bearing Weight 0.187 kg

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NORTH CANTON, OHIO USA

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Fafnir® Spindle Angular Contact Ball Bearings
(9300WI, 9100WI, 200WI, 300WI)

Dynamic Radial Rating 20800 N
Static Radial Rating 14200 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