


The Timken Company

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Timken Part Number 2MMC9107WI, 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	35.000 mm 1.3780 in
D - Outer Diameter	62.000 mm 2.4409 in
Bearing Width	14.000 mm 0.5512 in
Contact Angle	15 °
do - Ball Diameter	7.937500 mm 0.312500 in

Basic Load Ratings

C0 - Static Radial Rating	12190 N 2730 lbf
Ce - Dynamic Radial Rating¹	21200 N 4760 lbf

Factors

Limiting Speed (Grease)	27120 rpm
Limiting Speed (Oil)	54240 rpm

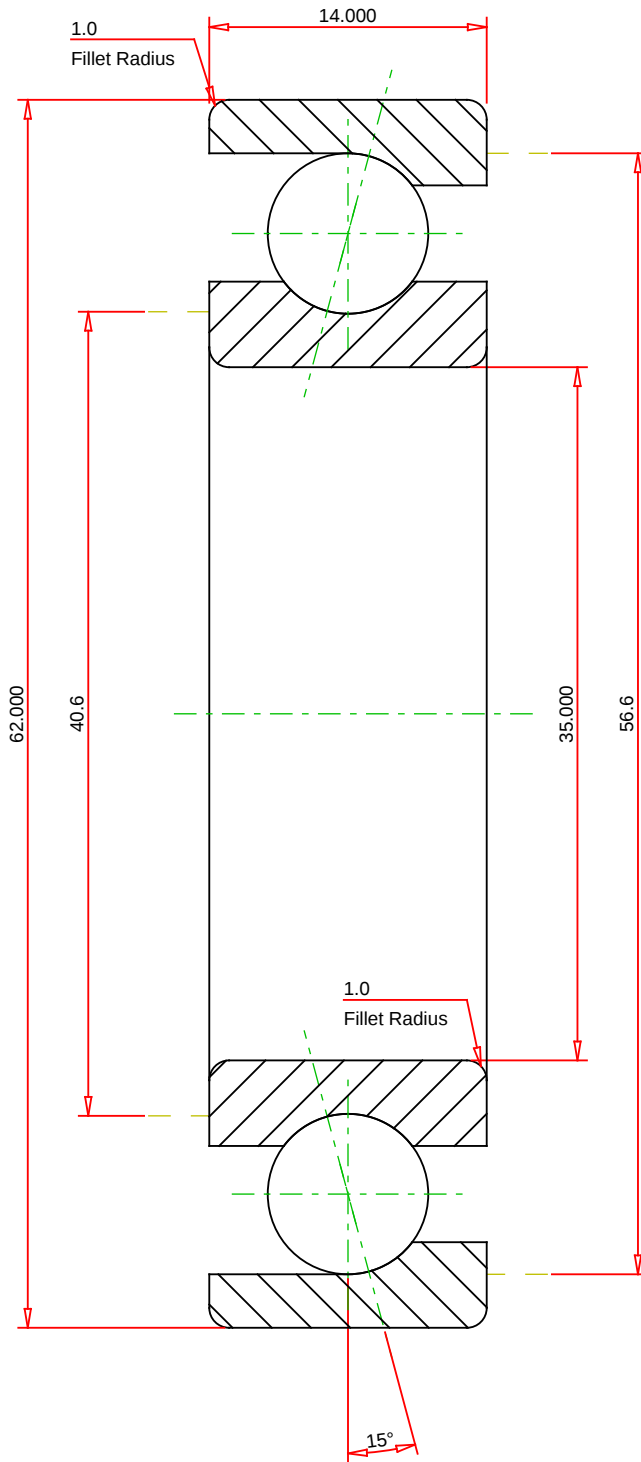
Specifications

Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.151 Kg 0.33 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	40.600 mm 1.600 in
Da - Outer Ring Backing Diameter	56.600 mm 2.230 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 Bearing Weight	15 0.151 kg	TIMKEN®		2MMC9107WI Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA		Dynamic Radial Rating	21200 N
				Static Radial Rating	12190 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