


**The Timken Company**

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## Timken Part Number 2MMC9108WI, 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

|                           |                            |
|---------------------------|----------------------------|
| <b>d - Bore</b>           | 40.000 mm<br>1.5748 in     |
| <b>D - Outer Diameter</b> | 68.000 mm<br>2.6772 in     |
| <b>Bearing Width</b>      | 15.000 mm<br>0.5906 in     |
| <b>Contact Angle</b>      | 15 °                       |
| <b>do - Ball Diameter</b> | 7.937500 mm<br>0.312500 in |

## Basic Load Ratings

|                                               |                     |
|-----------------------------------------------|---------------------|
| <b>C0 - Static Radial Rating</b>              | 13260 N<br>2990 lbf |
| <b>Ce - Dynamic Radial Rating<sup>1</sup></b> | 21900 N<br>4920 lbf |

## Factors

|                                |           |
|--------------------------------|-----------|
| <b>Limiting Speed (Grease)</b> | 23880 rpm |
| <b>Limiting Speed (Oil)</b>    | 47760 rpm |

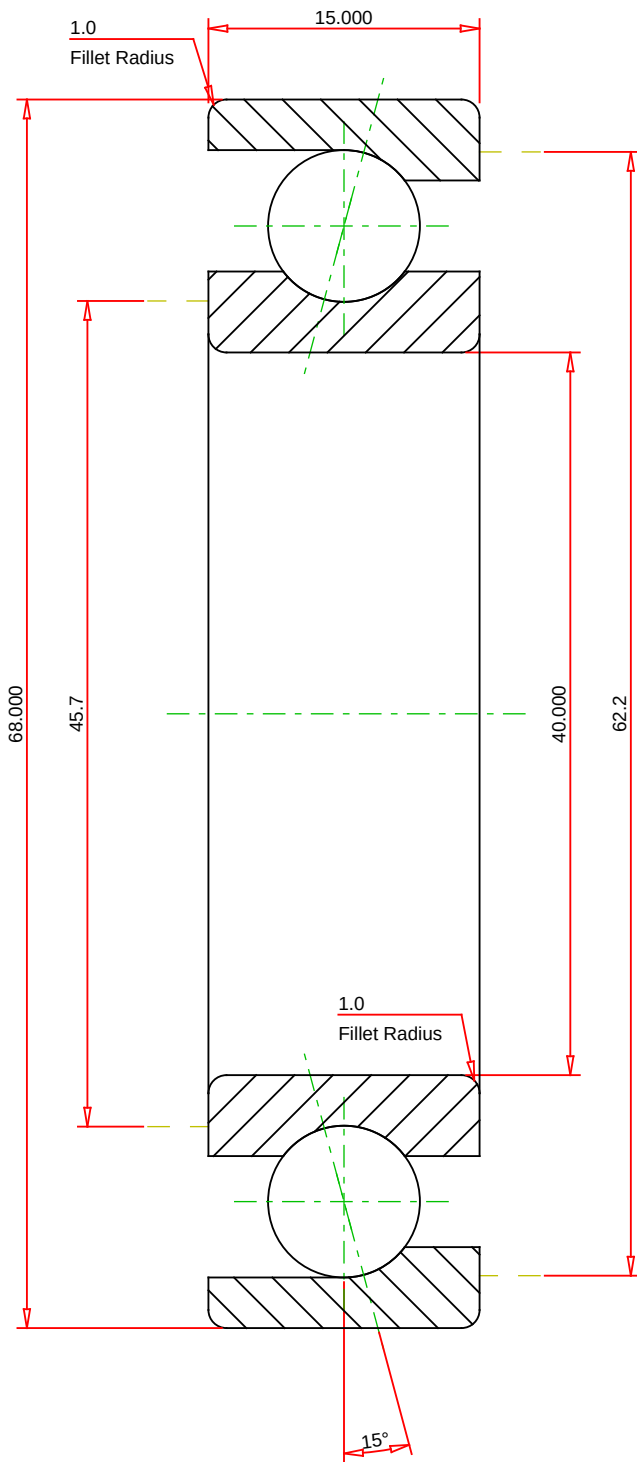
## Specifications

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

## Abutment and Fillet Dimensions

|                                                         |                       |
|---------------------------------------------------------|-----------------------|
| <b>R - Inner Ring "To Clear"<br/>Radius<sup>2</sup></b> | 1.000 mm<br>0.039 in  |
| <b>r - Outer Ring "To Clear"<br/>Radius<sup>3</sup></b> | 1.000 mm<br>0.039 in  |
| <b>da - Inner Ring Backing<br/>Diameter</b>             | 45.700 mm<br>1.800 in |
| <b>Da - Outer Ring Backing<br/>Diameter</b>             | 62.200 mm<br>2.450 in |

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

**2MMC9108WI**  
Fafnir® Spindle Angular Contact Ball Bearings  
(9300WI, 9100WI, 200WI, 300WI)

Dynamic Radial Rating 21900 N  
Static Radial Rating 13260 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.

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