


The Timken Company

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Timken Part Number 2MMC207WI, 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.



[Dimensions](#) | [Basic Load Ratings](#) | [Factors](#) | [Specifications](#) | [Abutment and Fillet Dimensions](#)

Dimensions

d - Bore	35.000 mm 1.3780 in
D - Outer Diameter	72.000 mm 2.8346 in
Bearing Width	17.000 mm 0.6693 in
Contact Angle	15 °
do - Ball Diameter	11.112500 mm 0.437500 in

Basic Load Ratings

C0 - Static Radial Rating	17800 N 4000 lbf
Ce - Dynamic Radial Rating¹	33700 N 7580 lbf

Factors

Limiting Speed (Grease)	25900 rpm
Limiting Speed (Oil)	51800 rpm

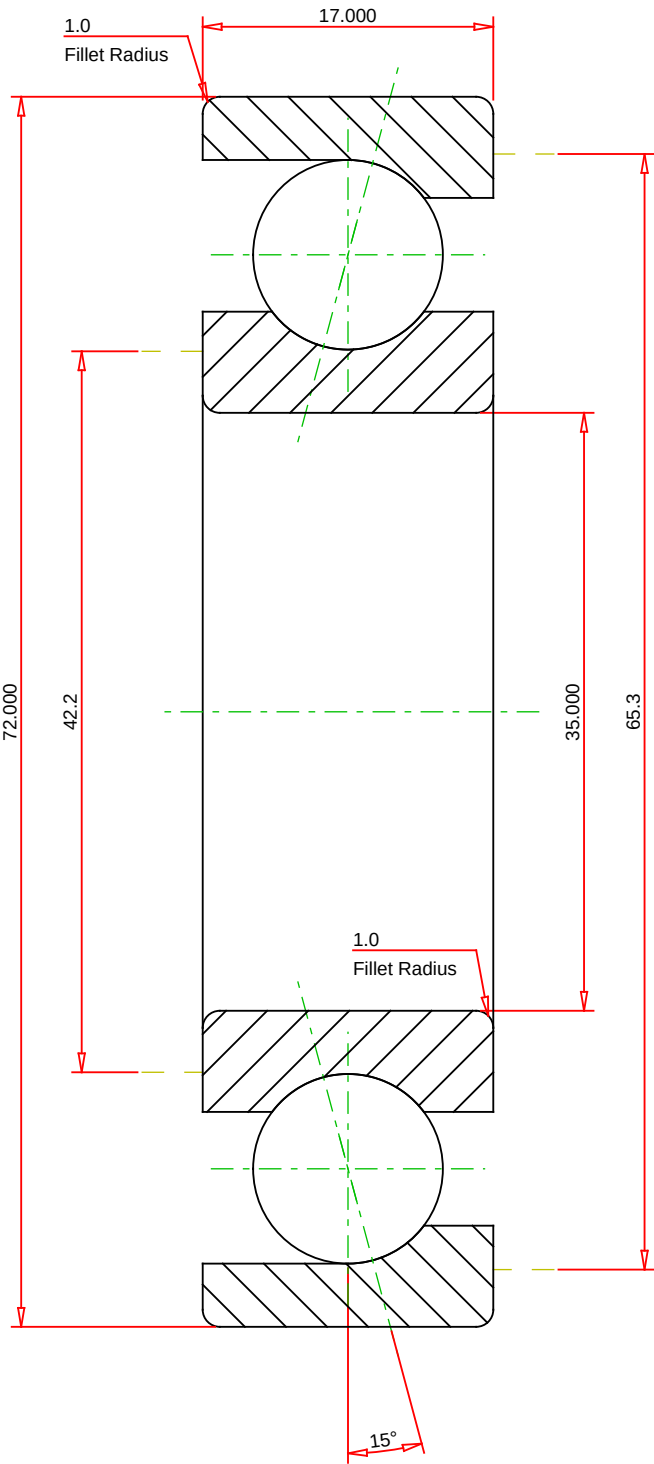
Specifications

Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.28 Kg 0.62 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)

Abutment and Fillet Dimensions

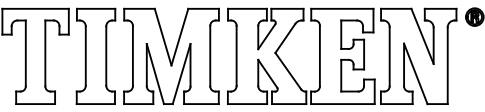
R - Inner Ring "To Clear" Radius²	1.000 mm 0.039 in
r - Outer Ring "To Clear" Radius³	1.000 mm 0.039 in
da - Inner Ring Backing Diameter	42.200 mm 1.660 in
Da - Outer Ring Backing Diameter	65.300 mm 2.570 in

- 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	12
Bearing Weight	0.280 kg



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NORTH CANTON, OHIO USA

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Dynamic Radial Rating	33700	N
Static Radial Rating	17800	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