


The Timken Company

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Timken Part Number 2MMC206WI, 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	30.000 mm 1.1811 in
D - Outer Diameter	62.000 mm 2.4409 in
Bearing Width	16.000 mm 0.6299 in
Contact Angle	15 °
do - Ball Diameter	9.52500 mm 0.37500 in

Basic Load Ratings

C0 - Static Radial Rating	13100 N 2940 lbf
Ce - Dynamic Radial Rating¹	25500 N 5740 lbf

Factors

Limiting Speed (Grease)	30100 rpm
Limiting Speed (Oil)	60200 rpm

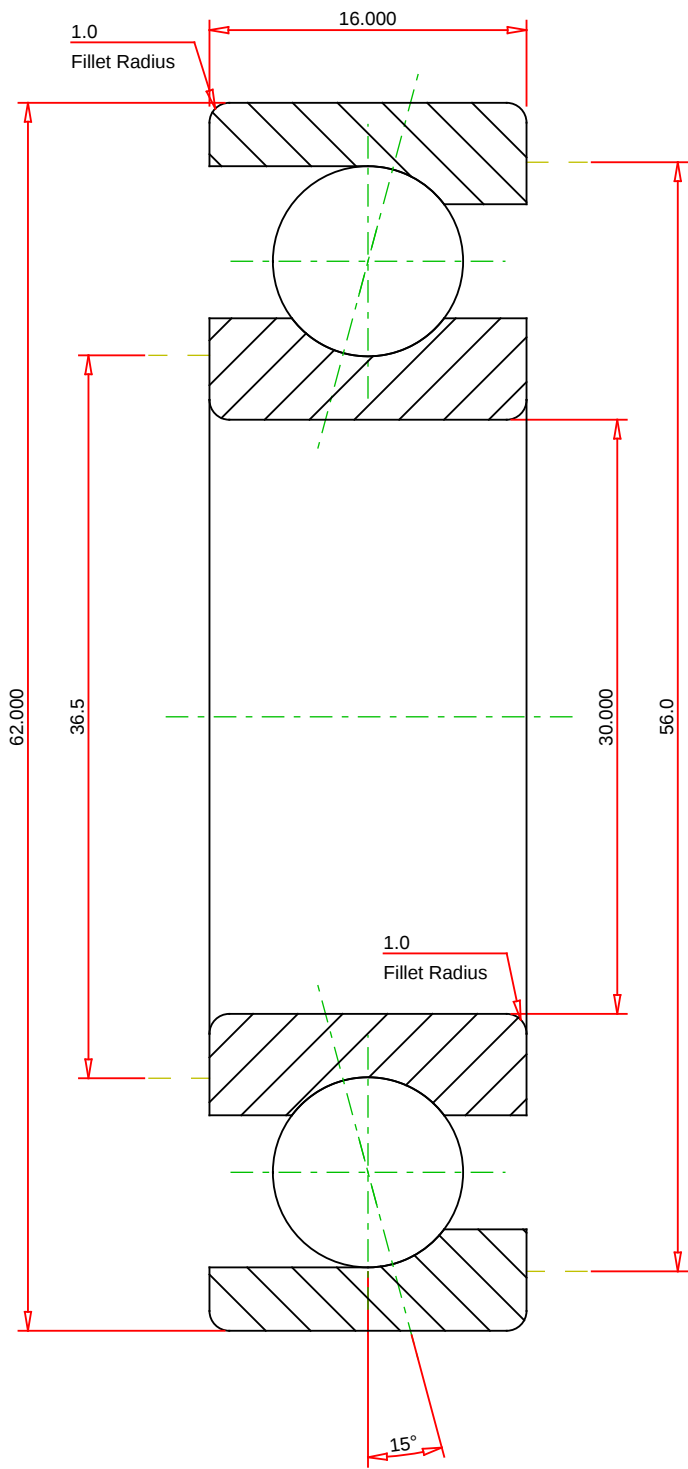
Specifications

Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.195 Kg 0.43 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	36.500 mm 1.440 in
Da - Outer Ring Backing Diameter	56.000 mm 2.210 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		12 0.195 kg	TIMKEN® THE TIMKEN COMPANY NORTH CANTON, OHIO USA		2MMC206WI Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)	
					Dynamic Radial Rating	25500 N
					Static Radial Rating	13100 N
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