



The Timken Company

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Part Number 2MM205WI, **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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Specifications

Note

CAD Model Shown is for a single bearing

Product is sold set of:

1 (SU = Single)

2 (DU = Duplex)

3 (TU = Triplex)

4 (QU = Quadruplex)

2MM205WI

2MM205WI DUH

2MM205WI DUL

2MM205WI DULFS934

2MM205WI DUM

2MM205WICR

2MM205WICRDUH

2MM205WICRDUL

2MM205WICRDULFS637

2MM205WICRDULFS934

Full Timken Part Number	2MM205WICRDULFS934 2MM205WICRDUM 2MM205WICRQUH 2MM205WICRQUL 2MM205WICRQUM 2MM205WICRSUH 2MM205WICRSUL 2MM205WICRSUM 2MM205WICRTUH 2MM205WICRTUL 2MM205WICRTUM
Disclaimer	Product preload will have a suffix of: H = Heavy, M = Medium, L = Light
Ball Type	STEEL
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.127 Kg 0.280 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)
Manufacturing Part Number	2MM205WICR 2MM205WICRDUH 2MM205WICRDUL 2MM205WICRDULFS934 2MM205WICRDUM

Dimensions

d - Bore	25.00 mm 0.9843 in
D - Outer Diameter	52.00 mm 2.0472 in
Bearing Width	15.00 mm 0.5906 in
Contact Angle	15 °
d_o - Ball Diameter	7.937500 mm 0.3125 in

3/ 10 in

Basic Load Ratings

C0 - Static Radial Rating 10200 N
2320 lbf

Ce - Dynamic Radial Rating¹ 18400 N
4130 lbf

Factors

Limiting Speed (Grease) 29800 rpm

Limiting Speed (Oil) 59600 rpm

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius² 1.00 mm
0.039 in

r - Outer Ring "To Clear" Radius³ 1.00 mm
0.039 in

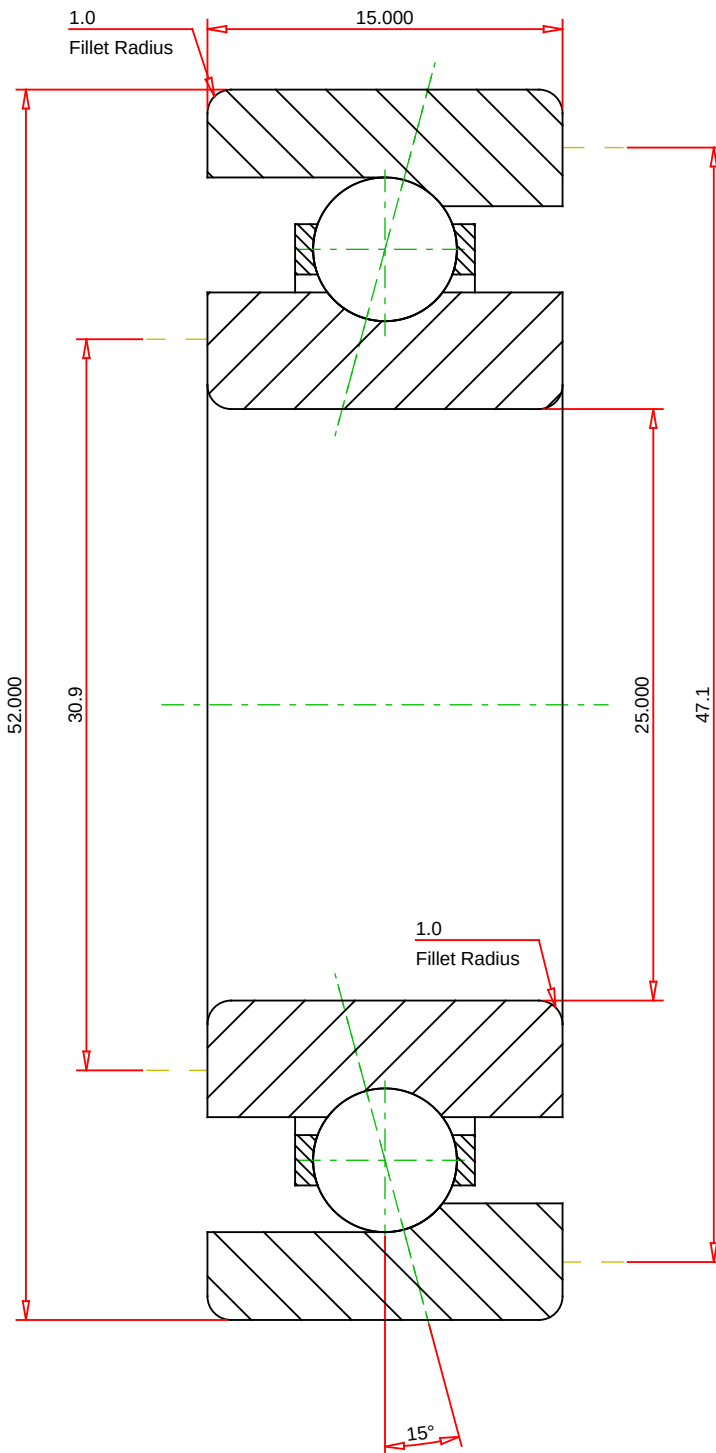
da - Inner Ring Backing Diameter 30.900 mm
1.220 in

Da - Outer Ring Backing Diameter 47.100 mm
1.860 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 0.127 kg	TIMKEN®		2MM205WI Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA		Dynamic Radial Rating	18400 N
				Static Radial Rating	10200 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