



The Timken Company

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Part Number 2MM9109WI, 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)

2MM9109WI
 2MM9109WI DUH
 2MM9109WI DUL
 2MM9109WI DULFS637
 2MM9109WI DULFS934
 2MM9109WI DUM
 2MM9109WI QULFS934
 2MM9109WI SUL
 2MM9109WI SUM
 2MM9109WI TUM

Full Timken Part Number	2MM9109WICR 2MM9109WICRDUH 2MM9109WICRDUL 2MM9109WICRDULFS637 2MM9109WICRDULFS934 2MM9109WICRDUM 2MM9109WICRDUMC2 2MM9109WICRQUH 2MM9109WICRQUL 2MM9109WICRQULFS934 2MM9109WICRQUM 2MM9109WICRSUH 2MM9109WICRSUL 2MM9109WICRSUM 2MM9109WICRTUH 2MM9109WICRTUL 2MM9109WICRTUM
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	0.24 Kg 0.53 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)
Manufacturing Part Number	2MM9109WICR 2MM9109WICRDUH 2MM9109WICRDUL 2MM9109WICRDULFS637 2MM9109WICRDULFS934 2MM9109WICRDUMC2 2MM9109WICRQULFS934 2MM9109WICRSUL 2MM9109WICRSUM 2MM9109WICRTUM

Dimensions

45.00 mm

d - Bore	45.00 mm 1.7717 in
D - Outer Diameter	75.00 mm 2.9528 in
Bearing Width	16.00 mm 0.6299 in
Contact Angle	15 °
do - Ball Diameter	8.73125 mm 11/32 in

Basic Load Ratings

C0 - Static Radial Rating	19300 N 4330 lbf
Ce - Dynamic Radial Rating¹	27000 N 6080 lbf

Factors

Limiting Speed (Grease)	17900 rpm
Limiting Speed (Oil)	35800 rpm

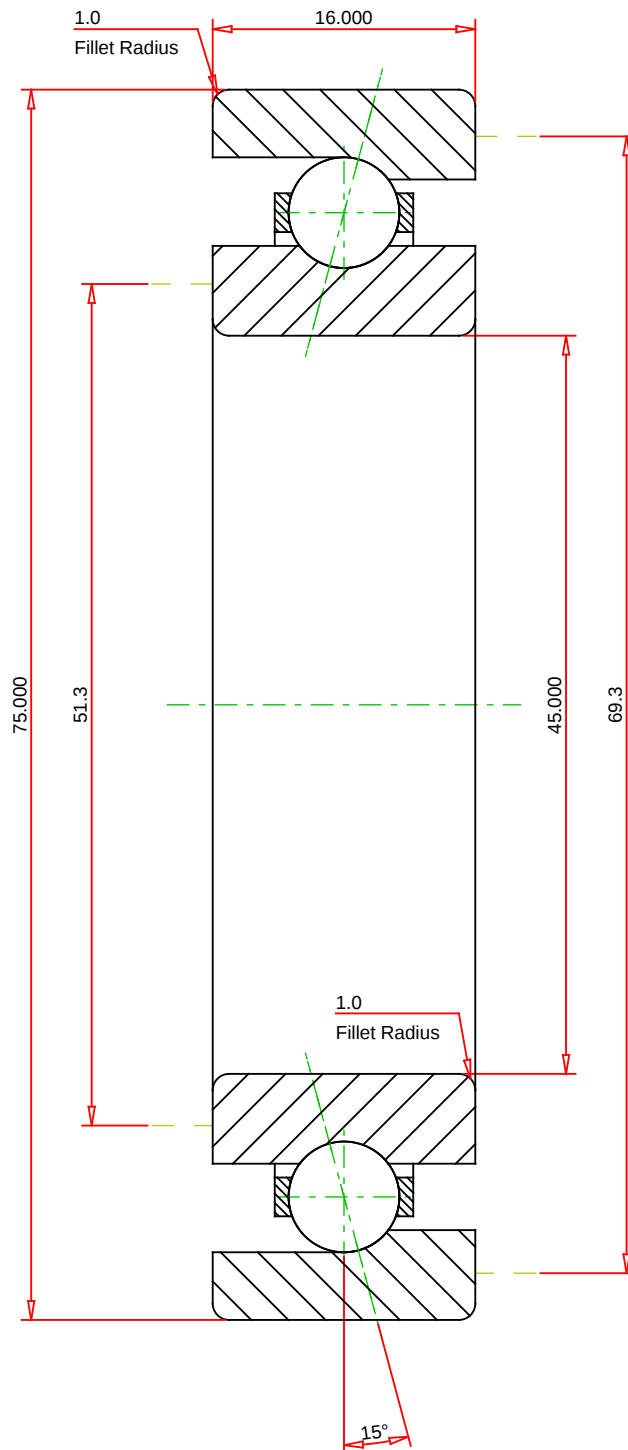
Abutment and Fillet Dimensions

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	51.300 mm 2.020 in
Da - Outer Ring Backing Diameter	69.300 mm 2.730 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

17
0.240 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

2MM9109WI

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

Dynamic Radial Rating
Static Radial Rating

27000 N
19300 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