



The Timken Company

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Part Number 2MM9108WI, 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)

2MM9108WI
 2MM9108WI DUH
 2MM9108WI DUL
 2MM9108WI DULFS637
 2MM9108WI DULFS934
 2MM9108WI DUM
 2MM9108WI SUL
 2MM9108WI TUL
 2MM9108WI TUM
 2MM9108WI TUMFS637

Full Timken Part Number	2MM9108WICR 2MM9108WICRDUH 2MM9108WICRDUL 2MM9108WICRDULFS637 2MM9108WICRDULFS934 2MM9108WICRDUM 2MM9108WICRQUH 2MM9108WICRQUL 2MM9108WICRQUM 2MM9108WICRSUH 2MM9108WICRSUL 2MM9108WICRSUM 2MM9108WICRTUH 2MM9108WICRTUL 2MM9108WICRTUM 2MM9108WICRTUMFS637
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	0.187 Kg 0.41 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)
Manufacturing Part Number	2MM9108WICR 2MM9108WICRDUH 2MM9108WICRDUL 2MM9108WICRDULFS637 2MM9108WICRDULFS934 2MM9108WICRDUM 2MM9108WICRSUL 2MM9108WICRTUL 2MM9108WICRTUM 2MM9108WICRTUMFS637

Dimensions

d - Bore	40.00 mm 1.5748 in
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D - Outer Diameter	68.00 mm 2.6772 in
Bearing Width	15.00 mm 0.5906 in
Contact Angle	15 °
do - Ball Diameter	7.937500 mm 5/16 in

Basic Load Ratings

C0 - Static Radial Rating	14900 N 3360 lbf
Ce - Dynamic Radial Rating¹	21900 N 4920 lbf

Factors

Limiting Speed (Grease)	19900 rpm
Limiting Speed (Oil)	39800 rpm

Abutment and Fillet Dimensions

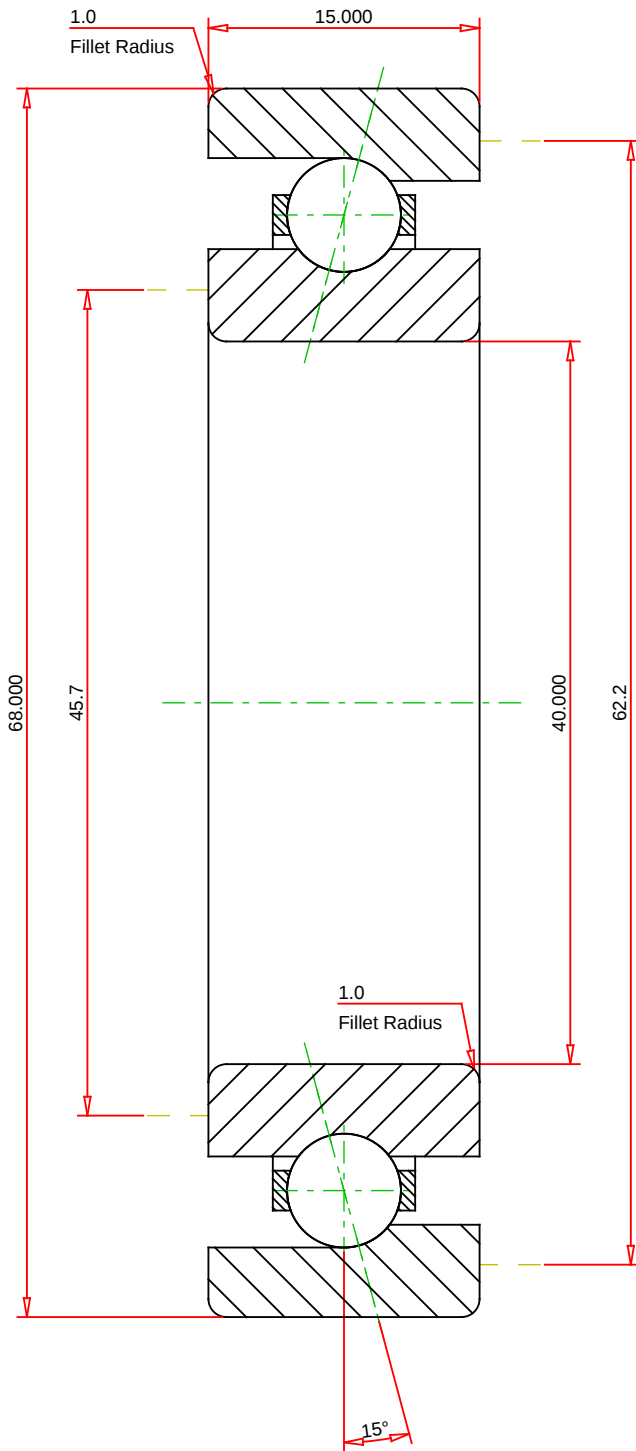
R - Inner Ring "To Clear" Radius²	1.00 mm 0.039 in
r - Outer Ring "To Clear" Radius³	1.00 mm 0.039 in
da - Inner Ring Backing Diameter	45.700 mm 1.800 in
Da - Outer Ring Backing Diameter	62.200 mm 2.450 in

¹ Based on 10⁶ revolutions of calculated fatigue life

Based on 10⁷ revolutions or 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 16
Bearing Weight 0.187 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

2MM9108WI
Fafnir® Spindle Angular Contact Ball Bearings
(9300WI, 9100WI, 200WI, 300WI)

Dynamic Radial Rating 21900 N
Static Radial Rating 14900 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