



The Timken Company

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Part Number 2MM9106WI, 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)

2MM9106WI
 2MM9106WI DUH
 2MM9106WI DUL
 2MM9106WI DULFS934
 2MM9106WI DUM
 2MM9106WI QULFS934
 2MM9106WI SUL
 2MM9106WI SULA4515
 2MM9106WI SULFS545
 2MM9106WI TUH

Full Timken Part Number	2MM9106WI TUL
	2MM9106WI TUM
	2MM9106WICR
	2MM9106WICRDUH
	2MM9106WICRDUL
	2MM9106WICRDULFS637
	2MM9106WICRDULFS934
	2MM9106WICRDUM
	2MM9106WICRQUH
	2MM9106WICRQUL
	2MM9106WICRQULFS934
	2MM9106WICRQUM
	2MM9106WICRSUH
	2MM9106WICRSUL
	2MM9106WICRSUL A4515
	2MM9106WICRSUL FS545
	2MM9106WICRSUM
	2MM9106WICRTUH
	2MM9106WICRTUL
	2MM9106WICRTUM
	2MM9106WIDULFS637
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	0.113 Kg 0.25 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)
Manufacturing Part Number	2MM9106WICR
	2MM9106WICRDUH
	2MM9106WICRDUL
	2MM9106WICRDULFS934
	2MM9106WICRDUM
	2MM9106WICRQULFS934
	2MM9106WICRSUL
	2MM9106WICRSUL A4515
	2MM9106WICRSUL FS545
	2MM9106WICRTUH
	2MM9106WICRTUL
	2MM9106WICRTUM

Dimensions

d - Bore	30.00 mm 1.1811 in
D - Outer Diameter	55.00 mm 2.1654 in
Bearing Width	13.00 mm 0.5118 in
Contact Angle	15 °
do - Ball Diameter	7.143750 mm 9/32 in

Basic Load Ratings

C0 - Static Radial Rating	10300 N 2310 lbf
Ce - Dynamic Radial Rating¹	16800 N 3770 lbf

Factors

Limiting Speed (Grease)	25500 rpm
Limiting Speed (Oil)	51000 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
	25.000 mm

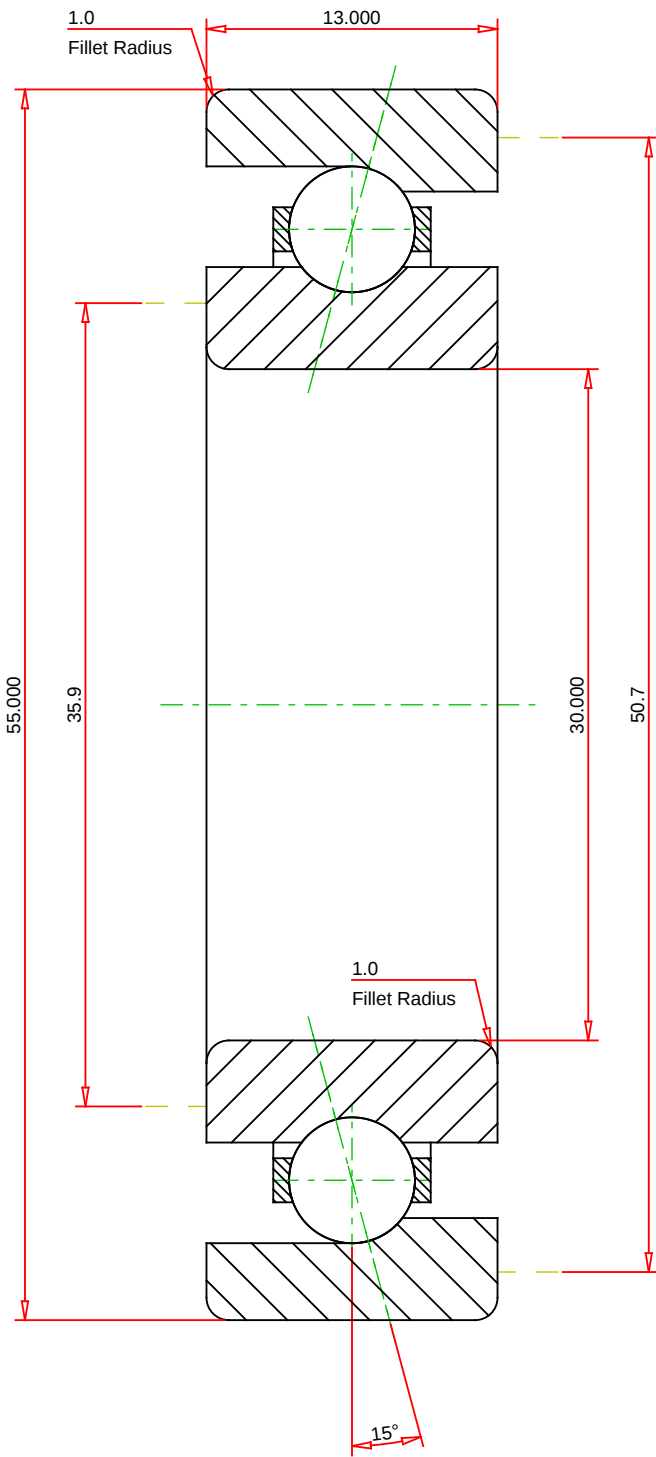
da - Inner Ring Backing Diameter	55.700 mm 1.420 in
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Da - Outer Ring Backing Diameter	50.700 mm 2.000 in
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¹ Based on 10^6 revolutions of calculated fatigue life.

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 14
Bearing Weight 0.113 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

2MM9106WI
Fafnir® Spindle Angular Contact Ball Bearings
(9300WI, 9100WI, 200WI, 300WI)

Dynamic Radial Rating 16800 N
Static Radial Rating 10300 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