



The Timken Company

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Part Number 2MM9104WI, 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)

Full Timken Part Number

2MM9104WI
 2MM9104WI DUM
 2MM9104WI SUL
 2MM9104WI TUL
 2MM9104WICR
 2MM9104WICRDUH
 2MM9104WICRDUL
 2MM9104WICRDUM
 2MM9104WICRQUH
 2MM9104WICRQUL

2MM9104WICRQUM
 2MM9104WICRSUH
 2MM9104WICRSUM
 2MM9104WICRTUH
 2MM9104WICRTUL
 2MM9104WICRTUM
 2MM9104WIDUL

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

0.067 Kg
 0.15 lb

Design Units

METRIC

Precision Class

ISO P4S (ABEC 7/9)

Manufacturing Part Number

2MM9104WICR
 2MM9104WICRDUM
 2MM9104WICRSUL
 2MM9104WICRTUL

Dimensions**d - Bore**

20.00 mm
 0.7874 in

D - Outer Diameter

42.00 mm
 1.6535 in

Bearing Width

12.00 mm
 0.4724 in

Contact Angle

15 °

do - Ball Diameter

6.350 mm
 1/4 in

Basic Load Ratings

C0 - Static Radial Rating	6010 N 1350 lbf
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Ce - Dynamic Radial Rating¹	11600 N 2610 lbf
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Factors

Limiting Speed (Grease)	37100 rpm
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Limiting Speed (Oil)	74200 rpm
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	0.60 mm 0.024 in
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r - Outer Ring "To Clear" Radius³	0.60 mm 0.024 in
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da - Inner Ring Backing Diameter	24.800 mm 0.980 in
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Da - Outer Ring Backing Diameter	37.700 mm 1.490 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.



Number of Balls Per Row Bearing Weight	<div style="text-align: right;">11</div> <div style="text-align: center;">0.067 kg</div>	<div style="text-align: center;">  <p>THE TIMKEN COMPANY</p> <p>NORTH CANTON, OHIO USA</p> </div>
		<div style="text-align: center;"> <p>2MM9104WI</p> <p>Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)</p> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> Dynamic Radial Rating 11600 N </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> Static Radial Rating 6010 N </div>

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.

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