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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.



## <u>Specifications</u> | <u>Dimensions</u> | <u>Basic Load Ratings</u> | <u>Factors</u> | <u>Abutment and Fillet Dimensions</u>

Spe	ecifications	-
	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 2MM9104WICRQUH

	2MM9104WICRQUM 2MM9104WICRSUH 2MM9104WICRSUM 2MM9104WICRTUH 2MM9104WICRTUL 2MM9104WICRTUM 2MM9104WICRTUM
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 -

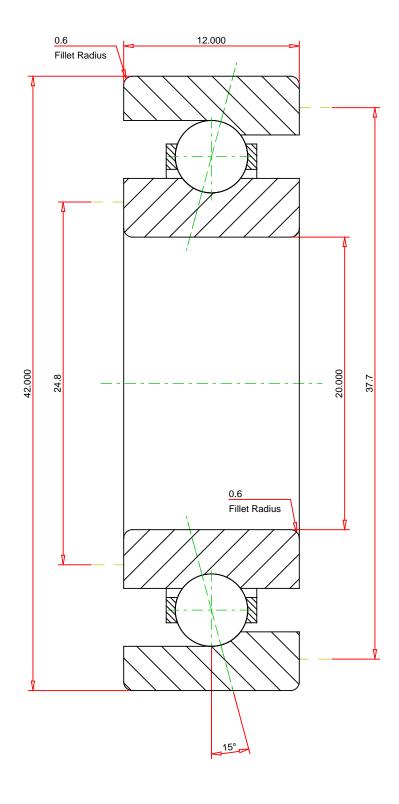
C0 - Static Radial Rating	6010 N 1350 lbf
Ce - Dynamic Radial Rating <sup>1</sup>	11600 N 2610 lbf

Limiting Speed (Grease) 37100 rpm	Factors		_ `
Limiting Speed (Oil) 74200 mans	Limiting Speed (Grease)	37100 rpm	
Limiting Speed (Oil) 74200 rpm	Limiting Speed (Oil)	74200 rpm	

Abutment and Fillet Dimensions		
	R - Inner Ring "To Clear" Radius <sup>2</sup>	0.60 mm 0.024 in
	r - Outer Ring "To Clear" Radius <sup>3</sup>	0.60 mm 0.024 in
	da - Inner Ring Backing Diameter	24.800 mm 0.980 in
	Da - Outer Ring Backing Diameter	37.700 mm 1.490 in

 $<sup>^1</sup>$  Based on  $10^6$  revolutions of calculated fatigue life.  $^2$  Maximum housing fillet radius that bearing corners will clear.

<sup>&</sup>lt;sup>3</sup> Maximum shaft fillet radius that bearing corners will clear.



### METRIC UNITS

Number of Balls Per Row Bearing Weight

11 0.067 kg

# THE TIMKEN COMPANY NORTH CANTON, OHIO USA

#### 2MM9104WI

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

Dynamic Radial Rating Static Radial Rating 11600 6010

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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