


The Timken Company

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Timken Part Number 2MM9101WI, 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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Dimensions

d - Bore	12.000 mm 0.4724 in
D - Outer Diameter	28.000 mm 1.1024 in
Bearing Width	8.000 mm 0.3150 in
Contact Angle	15 °
do - Ball Diameter	4.762500 mm 0.18750 in

Basic Load Ratings

C0 - Static Radial Rating	2920 N 650 lbf
Ce - Dynamic Radial Rating¹	6400 N 1430 lbf

Factors

Limiting Speed (Grease)	57300 rpm
Limiting Speed (Oil)	114600 rpm

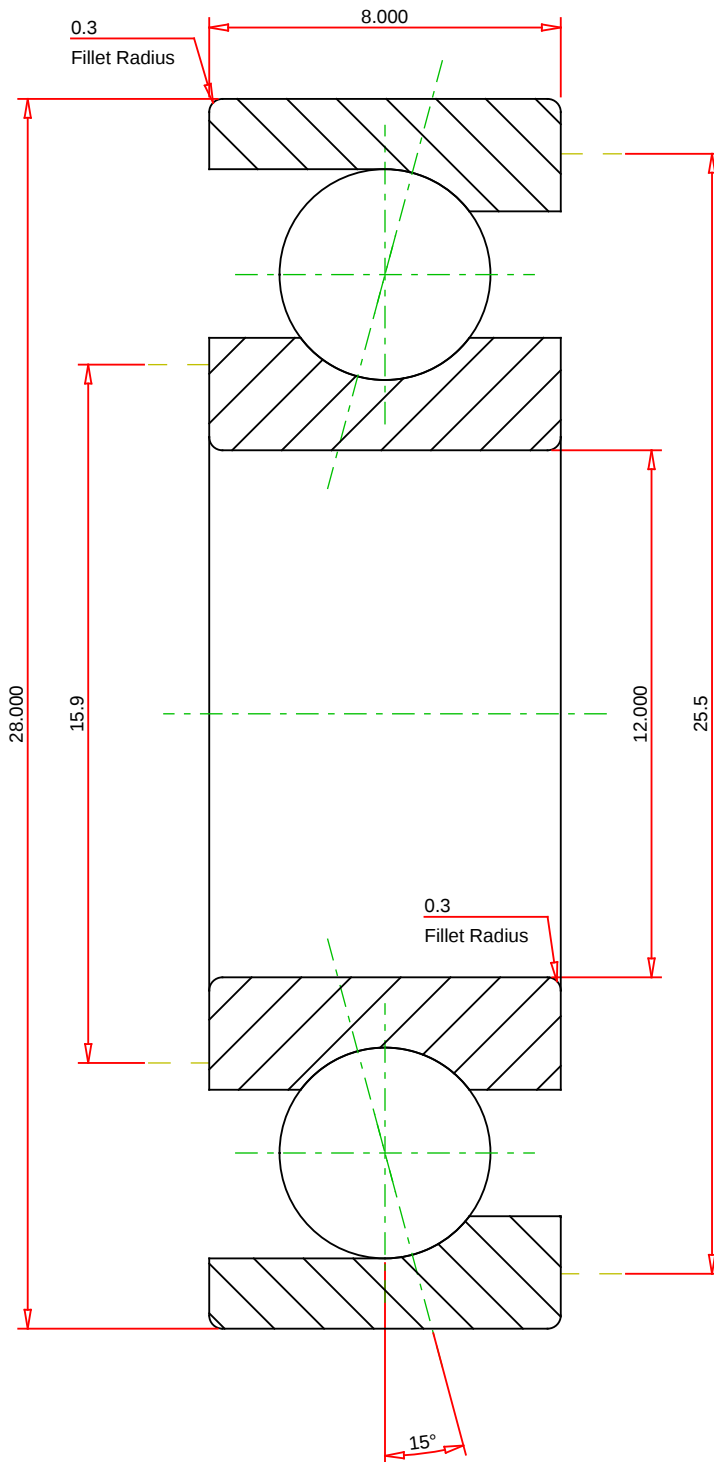
Specifications

Ball Type	Steel
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.020 Kg 0.04 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	0.300 mm 0.012 in
r - Outer Ring "To Clear" Radius³	0.300 mm 0.012 in
da - Inner Ring Backing Diameter	15.900 mm 0.630 in
Da - Outer Ring Backing Diameter	25.500 mm 1.010 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	10 0.020 kg	TIMKEN®	2MM9101WI Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA	Dynamic Radial Rating	6400 N
			Static Radial Rating	2920 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.

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