


The Timken Company

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Timken Part Number 2MM9100WI, 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	10.000 mm 0.3937 in
D - Outer Diameter	26.000 mm 1.0236 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	2200 N 490 lbf
Ce - Dynamic Radial Rating¹	5410 N 1210 lbf

Factors

Limiting Speed (Grease)	68500 rpm
Limiting Speed (Oil)	137000 rpm

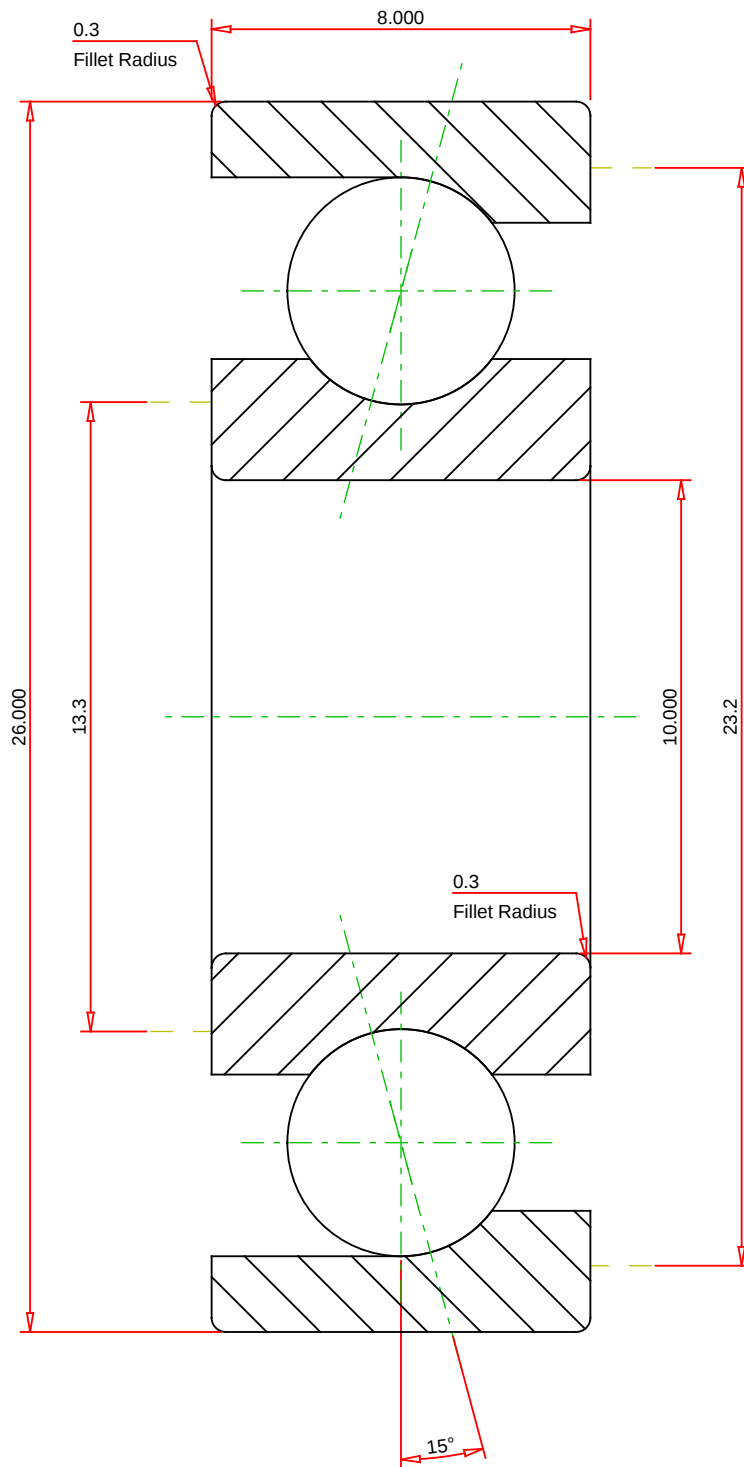
Specifications

Ball Type	Steel
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.018 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	13.300 mm 0.530 in
Da - Outer Ring Backing Diameter	23.200 mm 0.920 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	8 0.018 kg	TIMKEN®		2MM9100WI Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA		Dynamic Radial Rating	5410 N
				Static Radial Rating	2200 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