


The Timken Company

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Timken Part Number 2MMC9102WI, 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	15.000 mm 0.5906 in
D - Outer Diameter	32.000 mm 1.2598 in
Bearing Width	9.000 mm 0.3543 in
Contact Angle	15 °
do - Ball Diameter	4.762500 mm 0.18750 in

Basic Load Ratings

C0 - Static Radial Rating	3200 N 730 lbf
Ce - Dynamic Radial Rating¹	7300 N 1630 lbf

Factors

Limiting Speed (Grease)	58320 rpm
Limiting Speed (Oil)	116640 rpm

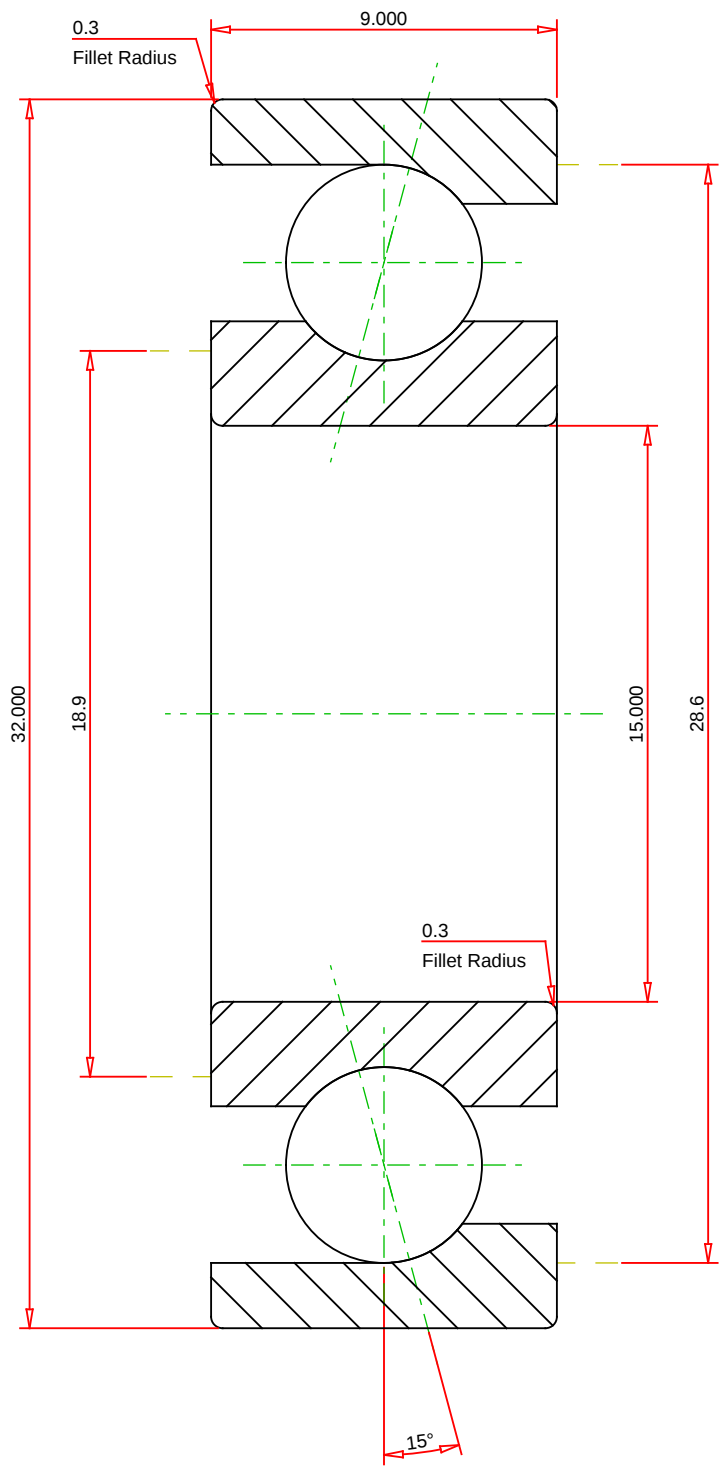
Specifications

Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.030 Kg 0.07 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	18.900 mm 0.750 in
Da - Outer Ring Backing Diameter	28.600 mm 1.130 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	12
Bearing Weight	0.030 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

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Dynamic Radial Rating	7300	N
Static Radial Rating	3200	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