


The Timken Company

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Timken Part Number 2MMC9106WI, 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	30.000 mm 1.1811 in
D - Outer Diameter	55.000 mm 2.1654 in
Bearing Width	13.000 mm 0.5118 in
Contact Angle	15 °
do - Ball Diameter	7.143750 mm 0.281250 in

Basic Load Ratings

C0 - Static Radial Rating	9167 N 2050 lbf
Ce - Dynamic Radial Rating¹	16800 N 3770 lbf

Factors

Limiting Speed (Grease)	30600 rpm
Limiting Speed (Oil)	61200 rpm

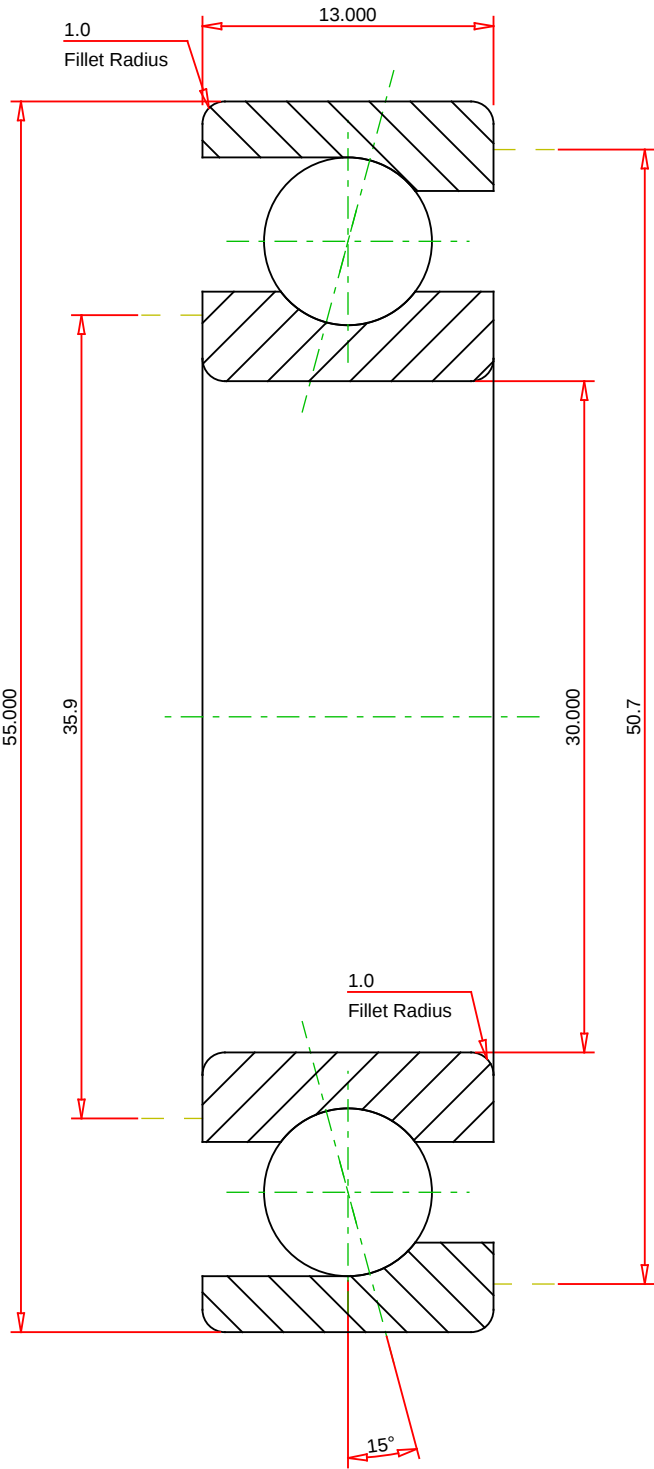
Specifications

Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.113 Kg 0.25 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	1.000 mm 0.039 in
r - Outer Ring "To Clear" Radius³	1.000 mm 0.039 in
da - Inner Ring Backing Diameter	35.900 mm 1.420 in
Da - Outer Ring Backing Diameter	50.700 mm 2.000 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	14
Bearing Weight	0.113 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

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Dynamic Radial Rating	16800	N
Static Radial Rating	9167	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