


The Timken Company

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Timken Part Number 2MMC212WI, 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	60.000 mm 2.3622 in
D - Outer Diameter	110.000 mm 4.3307 in
Bearing Width	22.000 mm 0.8661 in
Contact Angle	15 °
do - Ball Diameter	15.87500 mm 0.62500 in

Basic Load Ratings

C0 - Static Radial Rating	43600 N 9810 lbf
Ce - Dynamic Radial Rating¹	71000 N 16000 lbf

Factors

Limiting Speed (Grease)	15800 rpm
Limiting Speed (Oil)	31600 rpm

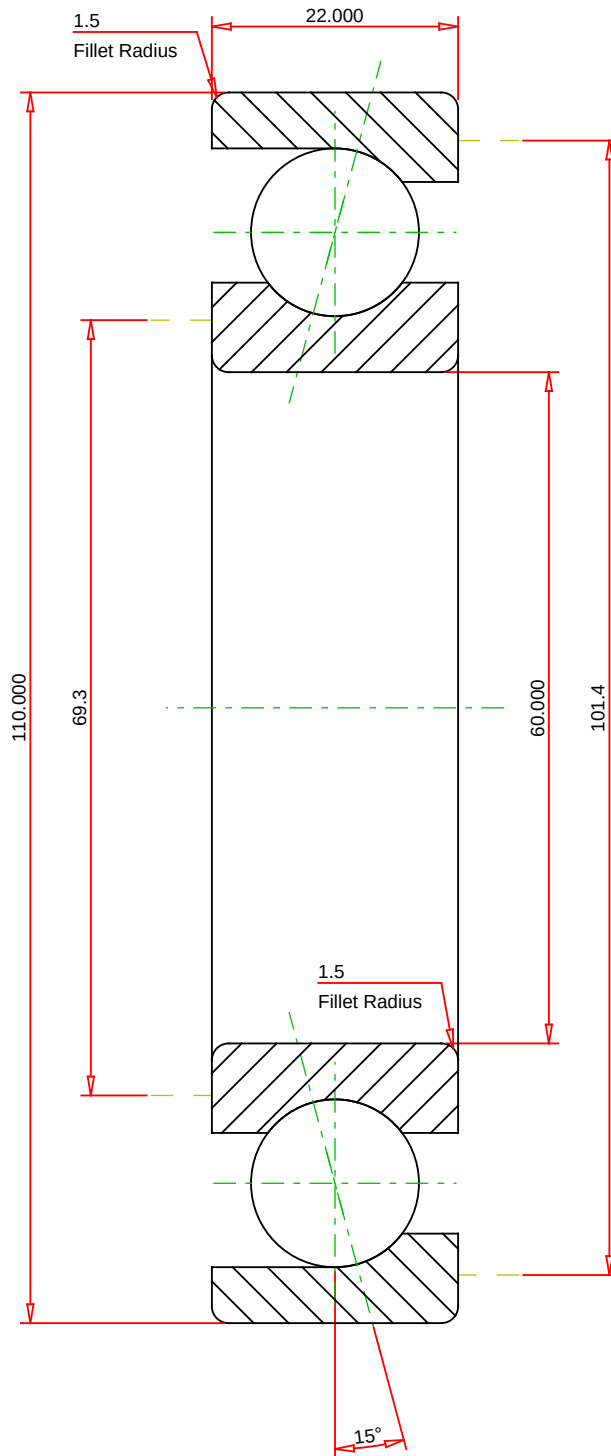
Specifications

Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.787 Kg 1.74 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	1.500 mm 0.059 in
r - Outer Ring "To Clear" Radius³	1.500 mm 0.059 in
da - Inner Ring Backing Diameter	69.300 mm 2.730 in
Da - Outer Ring Backing Diameter	101.400 mm 3.990 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	14 0.787 kg	TIMKEN®		2MMC212WI Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA		Dynamic Radial Rating71000 N Static Radial Rating43600 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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