


The Timken Company

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Timken Part Number 2MMC220WI, 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	100.000 mm 3.9370 in
D - Outer Diameter	180.000 mm 7.0866 in
Bearing Width	34.000 mm 1.3386 in
Contact Angle	15 °
do - Ball Diameter	25.40000 mm 1.00000 in

Basic Load Ratings

C0 - Static Radial Rating	112900 N 25400 lbf
Ce - Dynamic Radial Rating¹	165200 N 37100 lbf

Factors

Limiting Speed (Grease)	9600 rpm
Limiting Speed (Oil)	19200 rpm

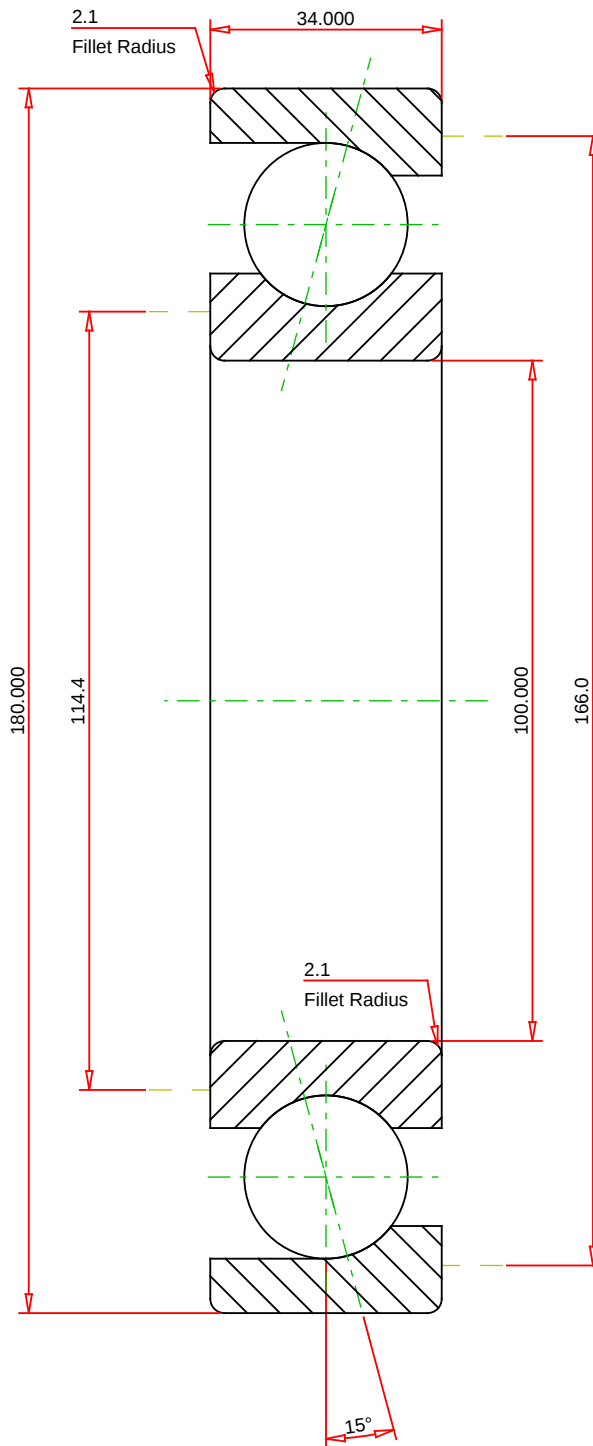
Specifications

Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	3.209 Kg 7.07 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	2.100 mm 0.079 in
r - Outer Ring "To Clear" Radius³	2.100 mm 0.079 in
da - Inner Ring Backing Diameter	114.400 mm 4.510 in
Da - Outer Ring Backing Diameter	166.000 mm 6.540 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 3.209 kg	TIMKEN®		2MMC220WI Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA		Dynamic Radial Rating165200 N	
				Static Radial Rating112900 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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