


The Timken Company

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Timken Part Number 2MMC213WI, 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	65.000 mm 2.5591 in
D - Outer Diameter	120.000 mm 4.7244 in
Bearing Width	23.000 mm 0.9055 in
Contact Angle	15 °
do - Ball Diameter	16.668750 mm 0.656250 in

Basic Load Ratings

C0 - Static Radial Rating	48700 N 11000 lbf
Ce - Dynamic Radial Rating¹	77400 N 17400 lbf

Factors

Limiting Speed (Grease)	14300 rpm
Limiting Speed (Oil)	28600 rpm

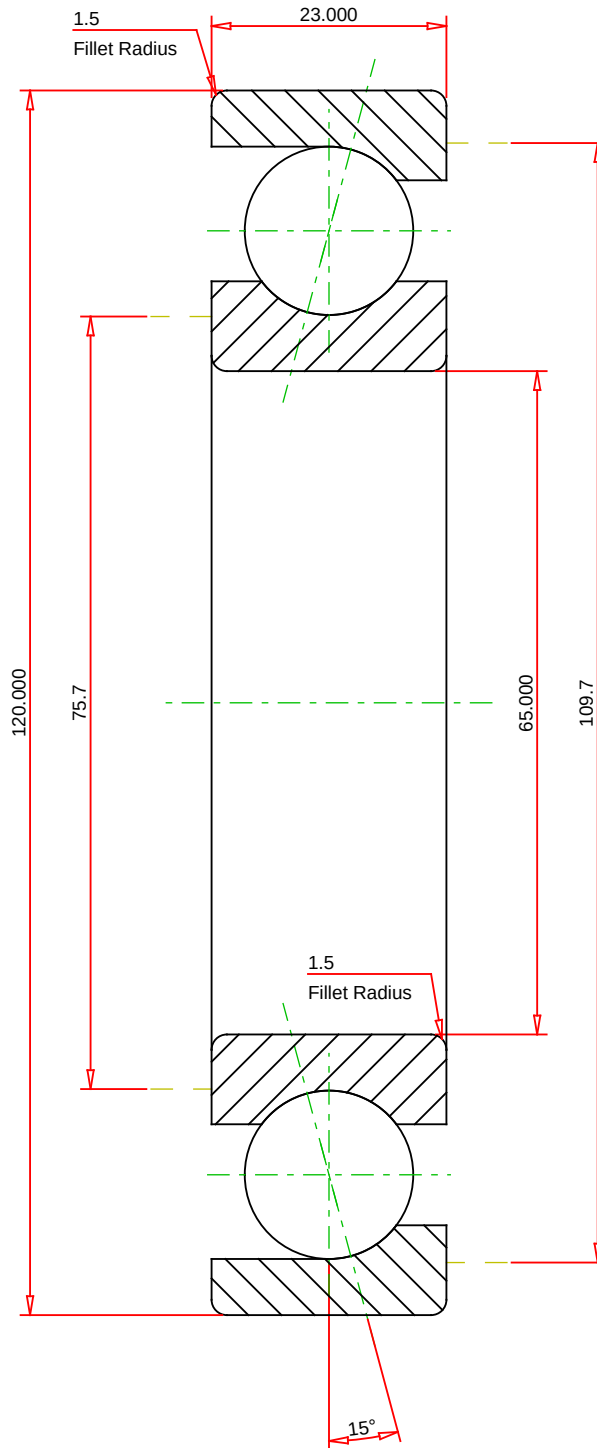
Specifications

Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.998 Kg 2.20 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	75.700 mm 2.980 in
Da - Outer Ring Backing Diameter	109.700 mm 4.320 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 0.998 kg	TIMKEN®		2MMC213WI Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA		Dynamic Radial Rating	77400 N
				Static Radial Rating	48700 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