


The Timken Company

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Timken Part Number 2MMC9103WI, 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	17.000 mm 0.6693 in
D - Outer Diameter	35.000 mm 1.3780 in
Bearing Width	10.000 mm 0.3937 in
Contact Angle	15 °
do - Ball Diameter	4.762500 mm 0.18750 in

Basic Load Ratings

C0 - Static Radial Rating	3030 N 685 lbf
Ce - Dynamic Radial Rating¹	6800 N 1530 lbf

Factors

Limiting Speed (Grease)	51720 rpm
Limiting Speed (Oil)	103440 rpm

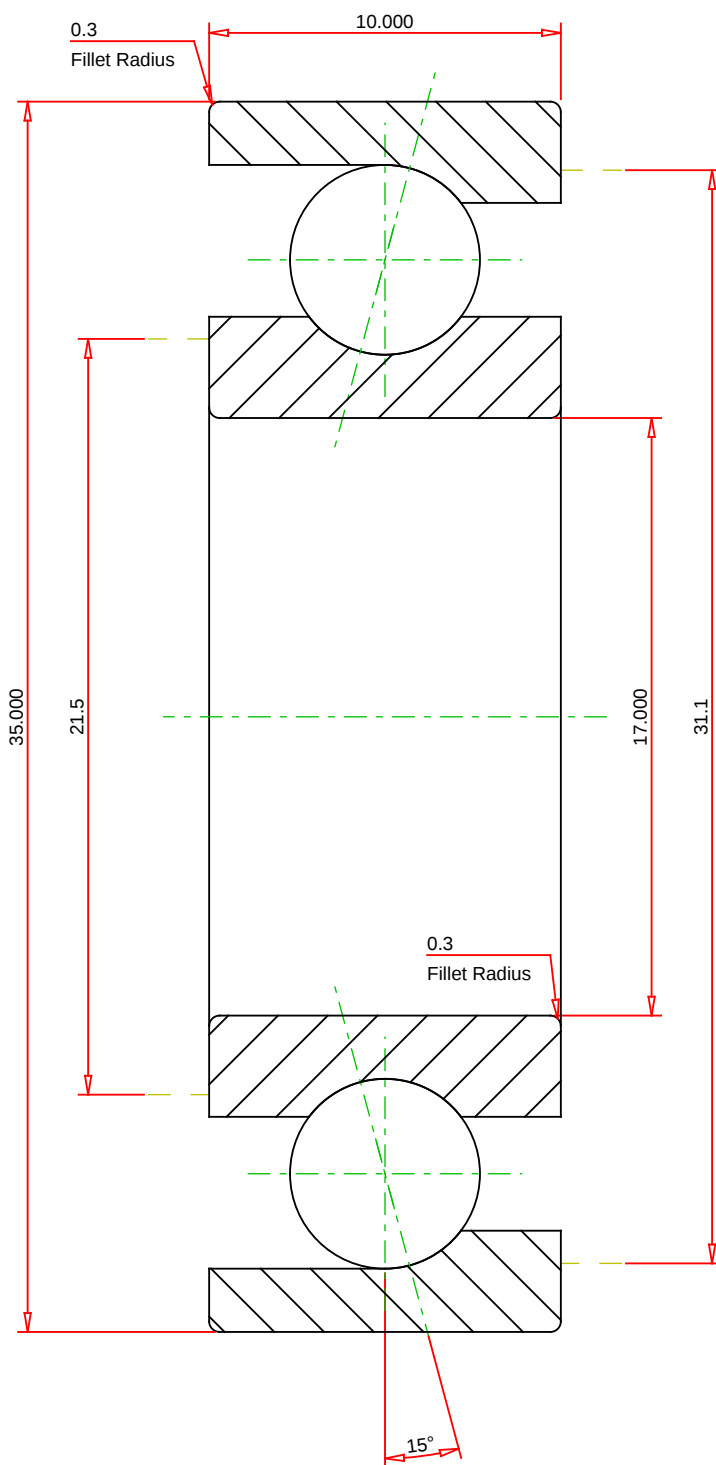
Specifications

Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.038 Kg 0.08 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	21.500 mm 0.850 in
Da - Outer Ring Backing Diameter	31.100 mm 1.230 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	11 0.038 kg	TIMKEN®		2MMC9103WI Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA		Dynamic Radial Rating	6800 N
				Static Radial Rating	3030 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