


The Timken Company

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Timken Part Number 2MMC203WI, 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	40.000 mm 1.5748 in
Bearing Width	12.000 mm 0.4724 in
Contact Angle	15 °
do - Ball Diameter	6.747002 mm 0.265630 in

Basic Load Ratings

C0 - Static Radial Rating	5170 N 1160 lbf
Ce - Dynamic Radial Rating¹	12000 N 2750 lbf

Factors

Limiting Speed (Grease)	50300 rpm
Limiting Speed (Oil)	100600 rpm

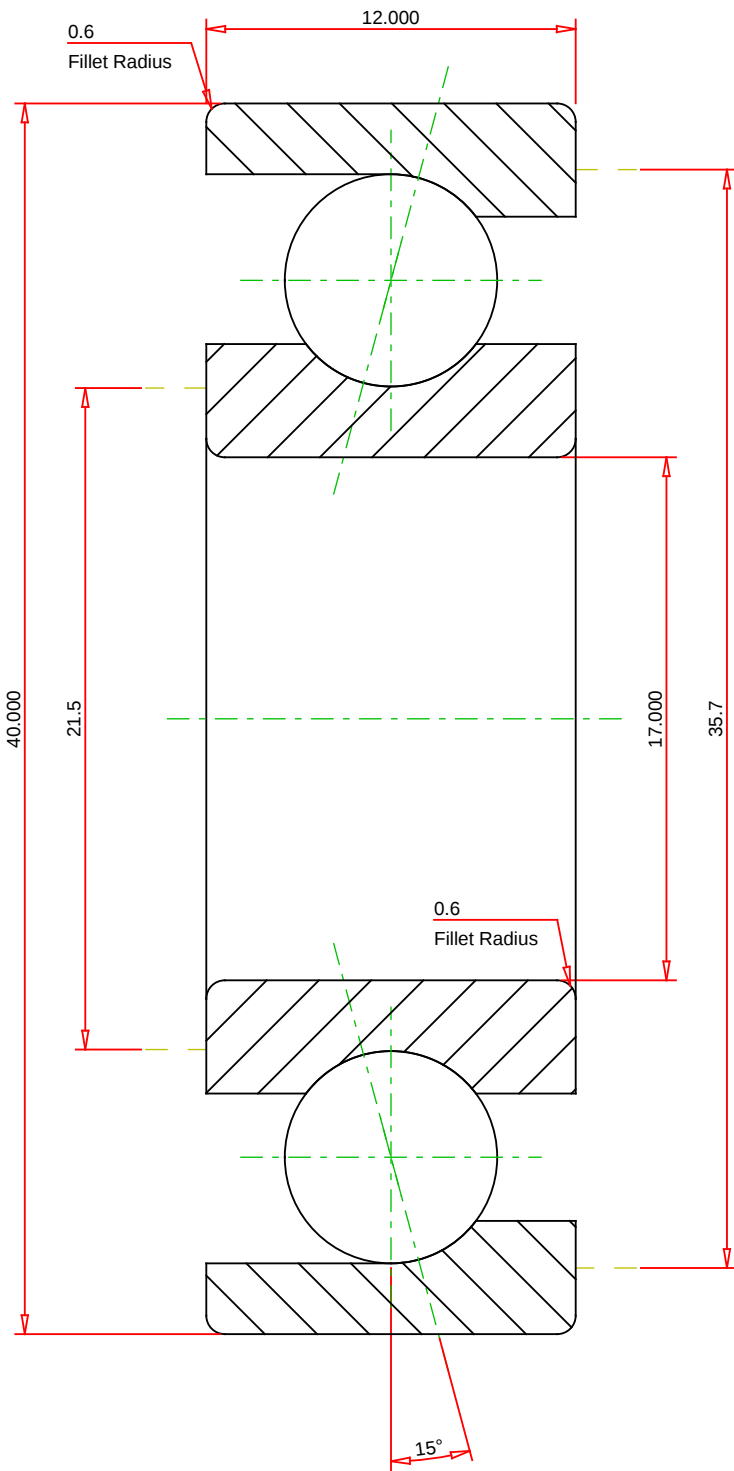
Specifications

Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.064 Kg 0.14 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	0.600 mm 0.024 in
r - Outer Ring "To Clear" Radius³	0.600 mm 0.024 in
da - Inner Ring Backing Diameter	21.500 mm 0.850 in
Da - Outer Ring Backing Diameter	35.700 mm 1.410 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	10
Bearing Weight	0.064 kg



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NORTH CANTON, OHIO USA

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Dynamic Radial Rating	12000	N
Static Radial Rating	5170	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