


The Timken Company

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Timken Part Number 2MMC204WI, 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	20.000 mm 0.7874 in
D - Outer Diameter	47.000 mm 1.8504 in
Bearing Width	14.000 mm 0.5512 in
Contact Angle	15 °
do - Ball Diameter	7.937500 mm 0.312500 in

Basic Load Ratings

C0 - Static Radial Rating	7160 N 1610 lbf
Ce - Dynamic Radial Rating¹	16100 N 3620 lbf

Factors

Limiting Speed (Grease)	42800 rpm
Limiting Speed (Oil)	85600 rpm

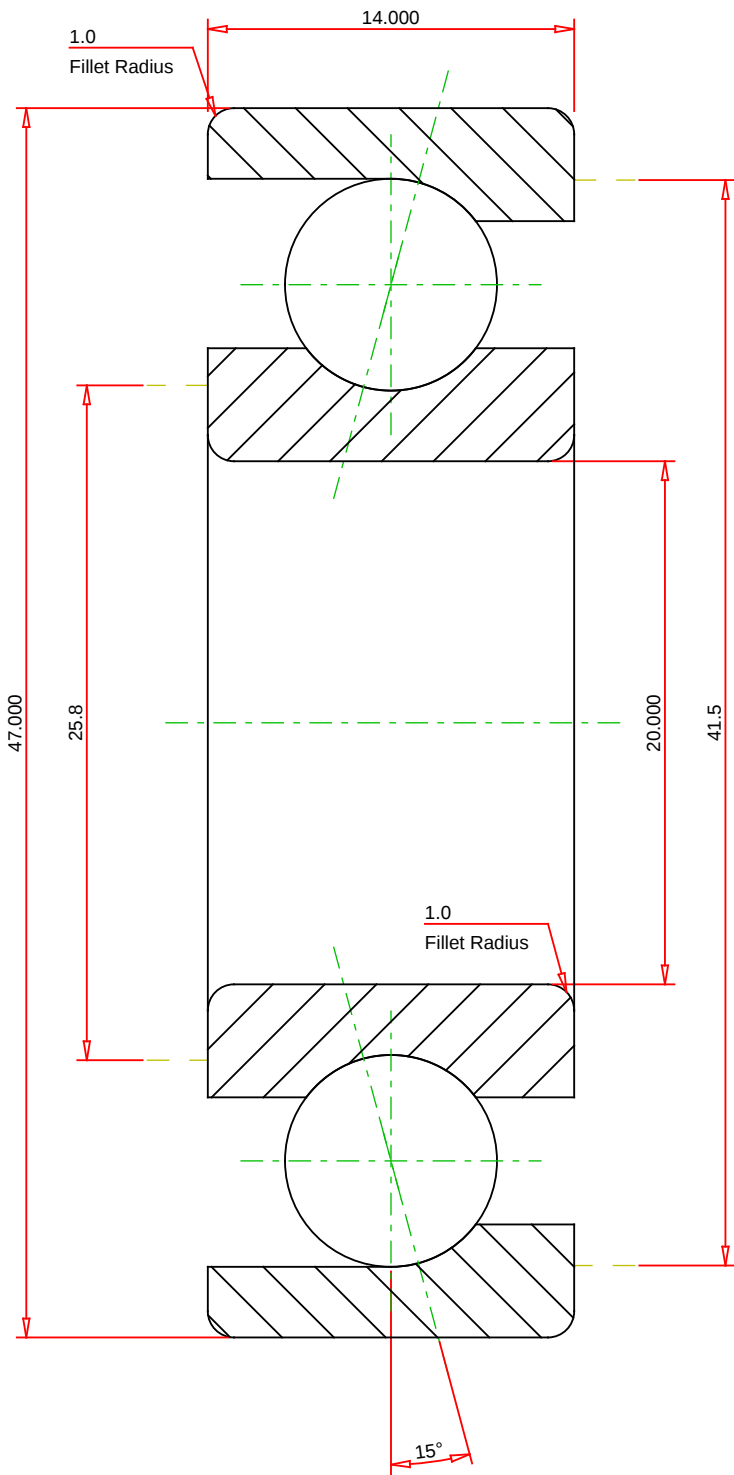
Specifications

Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.103 Kg 0.23 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	1.000 mm 0.039 in
r - Outer Ring "To Clear" Radius³	1.000 mm 0.039 in
da - Inner Ring Backing Diameter	25.800 mm 1.020 in
Da - Outer Ring Backing Diameter	41.500 mm 1.640 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 0.103 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

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Fafnir® Spindle Angular Contact Ball Bearings
(9300WI, 9100WI, 200WI, 300WI)

Dynamic Radial Rating 16100 N
Static Radial Rating 7160 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