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Part Number 2MMC9110WIDULFS637, 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.



[Specifications](#) | [Dimensions](#) | [Basic Load Ratings](#) | [Factors](#) | [Abutment and Fillet Dimensions](#)

Specifications	
Rows per Set	Duplex
Design Units	Metric
d - Bore	50 mm
Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Precision Rating	ISO P4S (ABEC 7/9)
Manufacturing Part Number	2MMC9110WI DUL
 World Part Number	C7010C-T-P4S-DUL

Dimensions

D - Outer Diameter	80 mm 3.1496 in
Bearing Width	16 mm 0.6299 in
Total Width	32 mm 1.2598 in
Contact Angle	15 °

Basic Load Ratings

C0 - Static Radial Rating (per row)	18510 N 4160 lbf
Ce - Dynamic Radial Rating (per row)¹	27900 N 6270 lbf
C1 ISO - Dynamic Radial Rating (per row)	25300 N 5670 lbf

Factors

Limiting Speed (Grease) (per row)	19560 rpm
Limiting Speed (Oil)	39120 rpm

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	1 mm 0.039 in
r - Outer Ring "To Clear" Radius³	1 mm 0.039 in

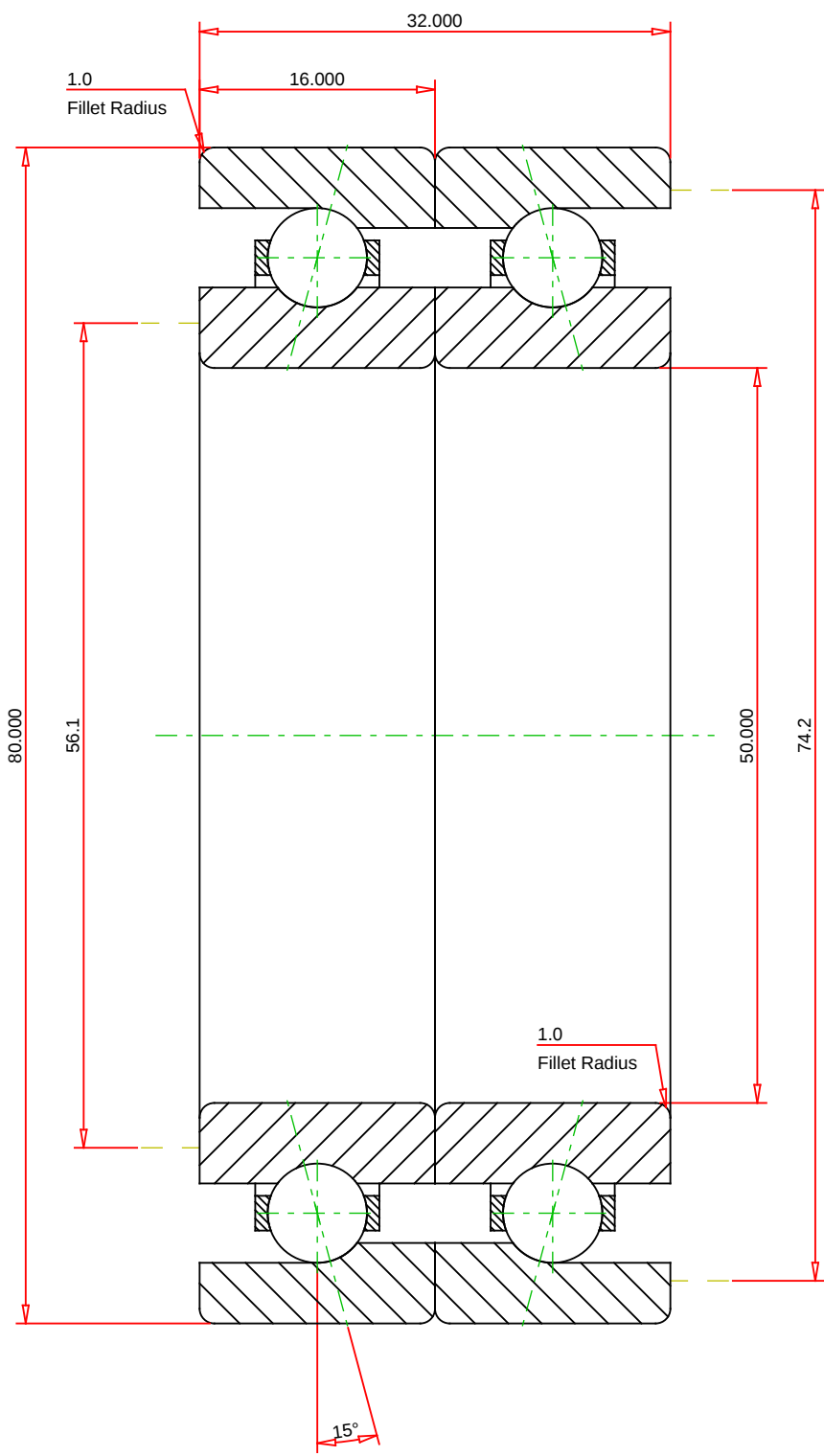
da - Inner Ring Backing Diameter	56.1 mm 2.210 in
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Da - Outer Ring Backing Diameter	74.2 mm 2.920 in
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¹ Based on 10^6 revolutions of calculated fatigue life.

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 18
Bearing Weight 0.516 kg

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NORTH CANTON, OHIO USA

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

Dynamic Radial Rating 27900 N
Static Radial Rating 18510 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