


The Timken Company

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Part Number 2MM9124WIDULFS637, 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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Specifications

Rows per Set	Duplex
Design Units	Metric
d - Bore	120 mm
Ball Type	STEEL
Cage Type	CR - Phenolic Outer Land Riding Cage
Precision Rating	ISO P4S (ABEC 7/9)
Manufacturing Part Number	2MM9124WI DUL
World Part Number	7024C-T-P4S-DUL



Dimensions

D - Outer Diameter	180 mm 7.0866 in
Bearing Width	28 mm 1.1024 in
Total Width	56 mm 2.2048 in
Contact Angle	15 °

Basic Load Ratings

C0 - Static Radial Rating (per row)	108500 N 24400 lbf
Ce - Dynamic Radial Rating (per row)¹	111200 N 25000 lbf
C1 ISO - Dynamic Radial Rating (per row)	101000 N 22700 lbf

Factors

Limiting Speed (Grease) (per row)	6900 rpm
Limiting Speed (Oil)	13800 rpm

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	2 mm 0.079 in
r - Outer Ring "To Clear" Radius³	2 mm 0.079 in

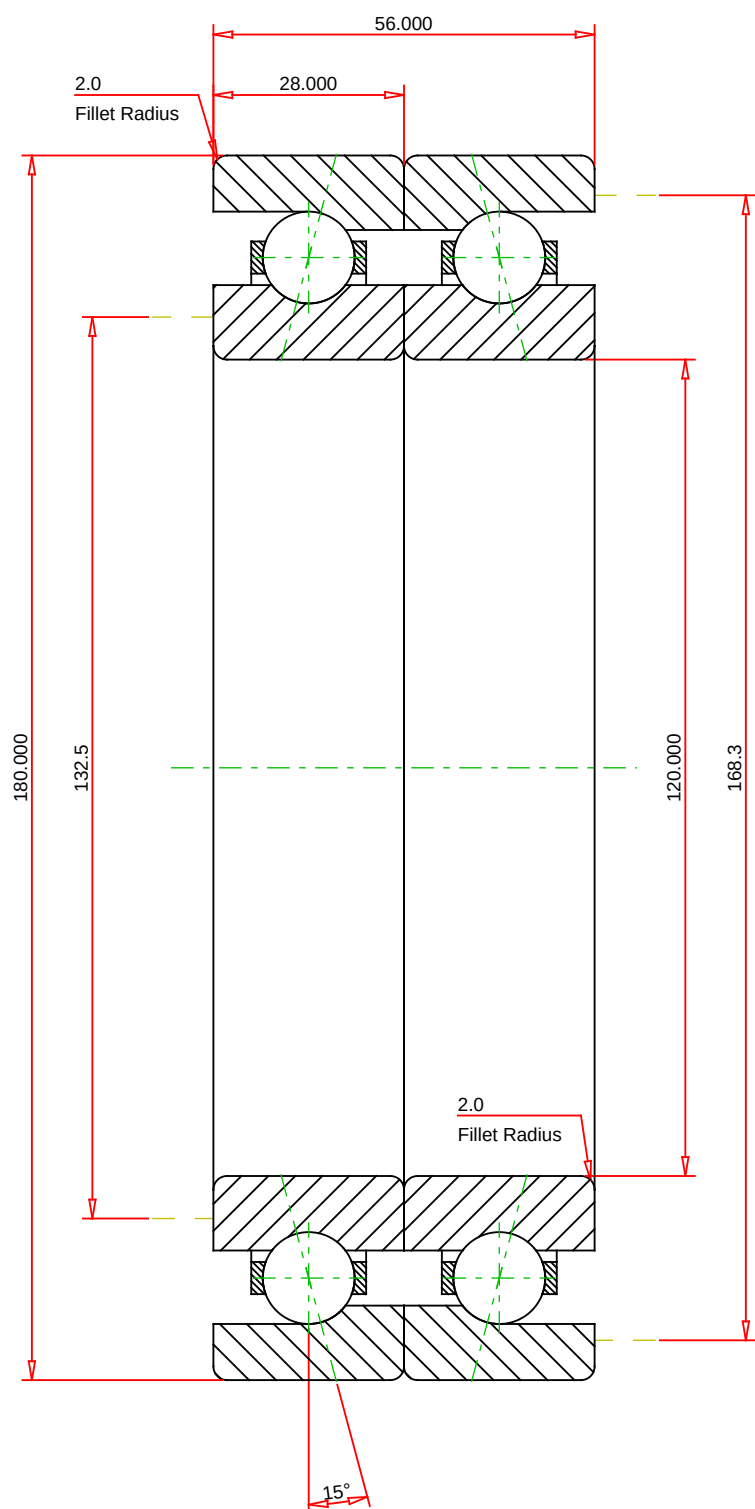
da - Inner Ring Backing Diameter	132.5 mm 5.220 in
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Da - Outer Ring Backing Diameter	168.3 mm 6.630 in
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¹ Based on 10^6 revolutions of calculated fatigue life.

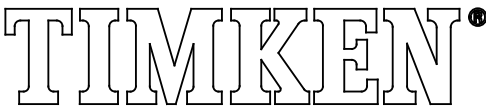
² Maximum housing fillet radius that bearing corners will clear.

³ Maximum shaft fillet radius that bearing corners will clear.



METRIC UNITS

Number of Balls Per Row	23
Bearing Weight	4.360 kg



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NORTH CANTON, OHIO USA

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Dynamic Radial Rating	111200	N
Static Radial Rating	108500	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