


The Timken Company

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Part Number 2MMV9122HXVVDULFS637, Fafnir® High Speed Spindle Angular Contact Ball Bearings (9300HX, 9100HX)

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
Seal Type	High Speed
Design Units	Metric
d - Bore	110 mm
Ball Type	STEEL
Cage Type	CR - Phenolic Outer Land Riding Cage
Precision Rating	ISO P4S (ABEC 7/9)



Dimensions

D - Outer Diameter	170 mm 6.6929 in
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Bearing Width	28 mm 1.1024 in
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Total Width	56 mm 2.2048 in
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Contact Angle	15 °
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Basic Load Ratings

C0 - Static Radial Rating (per row)	43800 N 9840 lbf
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Ce - Dynamic Radial Rating (per row)¹	50400 N 113000 lbf
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C1 ISO - Dynamic Radial Rating (per row)	45800 N 10300 lbf
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Factors

Limiting Speed (Grease) (per row)	9500 rpm
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Limiting Speed (Oil)	19000 rpm
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	2 mm 0.079 in
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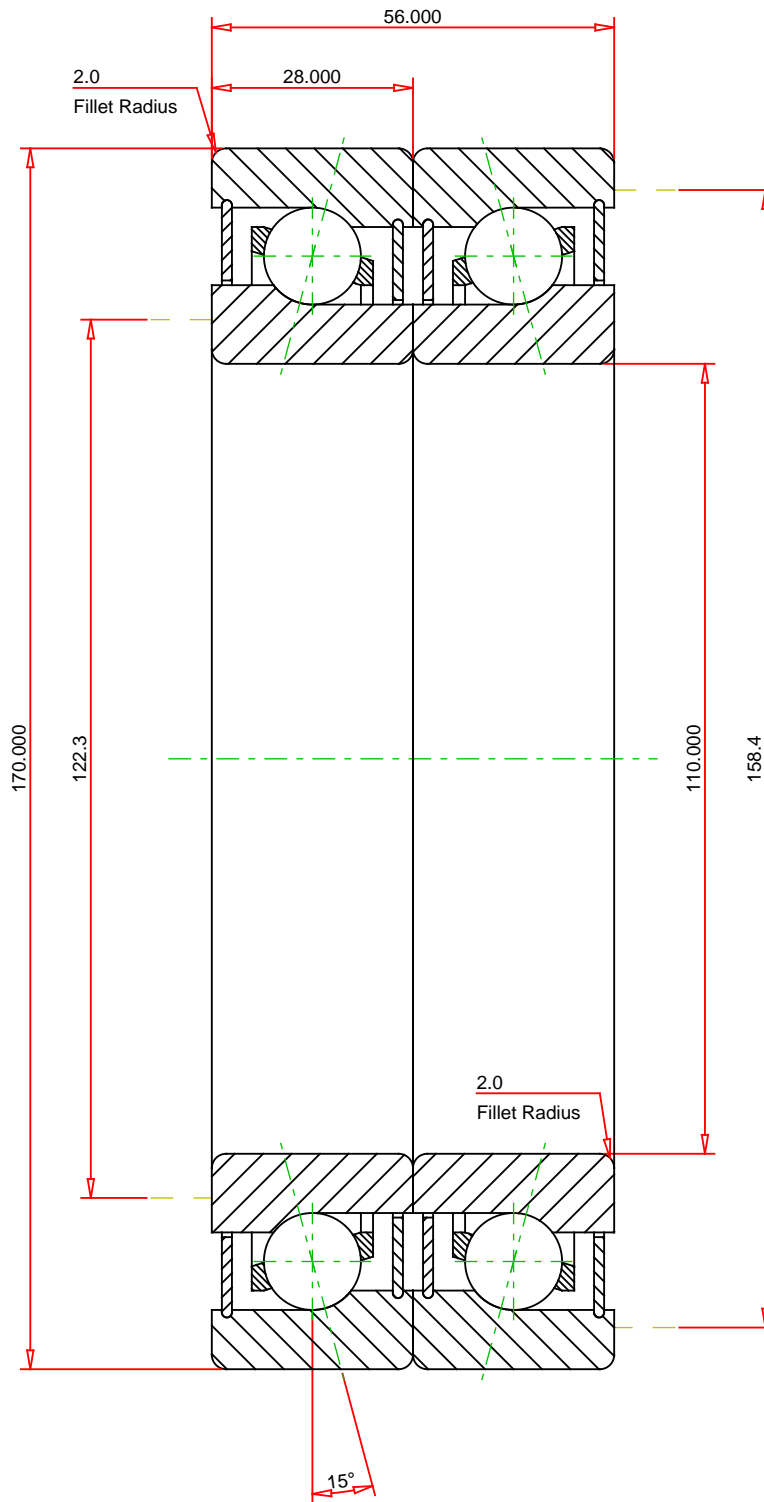
r - Outer Ring "To Clear" Radius³	2 mm 0.079 in
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da - Inner Ring Backing Diameter	122.3 mm 4.820 in
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**Da - Outer Ring Backing
Diameter**

158.4 mm
6.240 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 30
 Bearing Weight 4.264 kg

TIMKEN®

THE TIMKEN COMPANY
 NORTH CANTON, OHIO USA

2MMV9122HXVVDULFS637
 Fafnir® High Speed Spindle Angular Contact Ball Bearings (9300HX, 9100HX)

Dynamic Radial Rating 50400 N
 Static Radial Rating 43800 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.

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