


The Timken Company

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Part Number 2MMVC9115HXVVDULFS637, 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	75 mm
Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Precision Rating	ISO P4S (ABEC 7/9)



Dimensions

D - Outer Diameter	115 mm 4.5276 in
Bearing Width	20 mm 0.7874 in
Total Width	40 mm 1.5748 in
Contact Angle	15 °

Basic Load Ratings

C0 - Static Radial Rating (per row)	19000 N 4260 lbf
Ce - Dynamic Radial Rating (per row)¹	27900 N 6270 lbf
C1 ISO - Dynamic Radial Rating (per row)	25400 N 5700 lbf

Factors

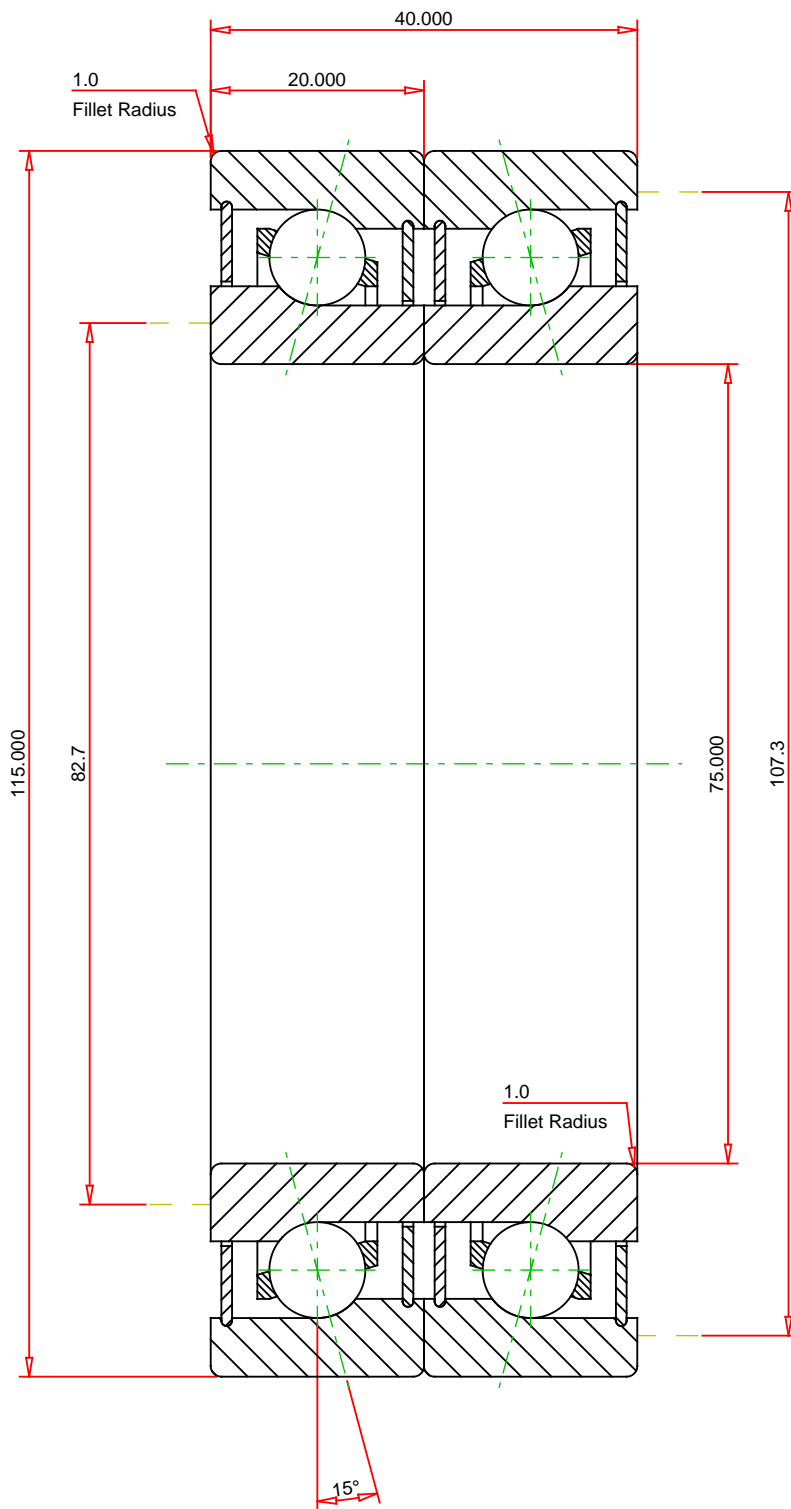
Limiting Speed (Grease) (per row)	17040 rpm
Limiting Speed (Oil)	34080 rpm

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	82.7 mm 3.260 in

Da - Outer Ring Backing Diameter	107.3 mm 4.230 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	26
Bearing Weight	1.316 kg

TIMKEN®

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NORTH CANTON, OHIO USA

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Dynamic Radial Rating	27900	N
Static Radial Rating	19000	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