


The Timken Company

4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000

E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number 2MMV9102HXVVDUMFS637, 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	15 mm
Ball Type	STEEL
Cage Type	CR - Phenolic Outer Land Riding Cage

Dimensions



D - Outer Diameter	32 mm 1.2598 in
Bearing Width	9 mm 0.3543 in
Total Width	18 mm 0.7086 in
Contact Angle	15 °

Basic Load Ratings

C0 - Static Radial Rating (per row)	2110 N 470 lbf
Ce - Dynamic Radial Rating (per row)¹	5210 N 1170 lbf
C1 ISO - Dynamic Radial Rating (per row)	4740 N 1060 lbf

Factors

Limiting Speed (Grease) (per row)	64300 rpm
Limiting Speed (Oil)	128600 rpm

Abutment and Fillet Dimensions

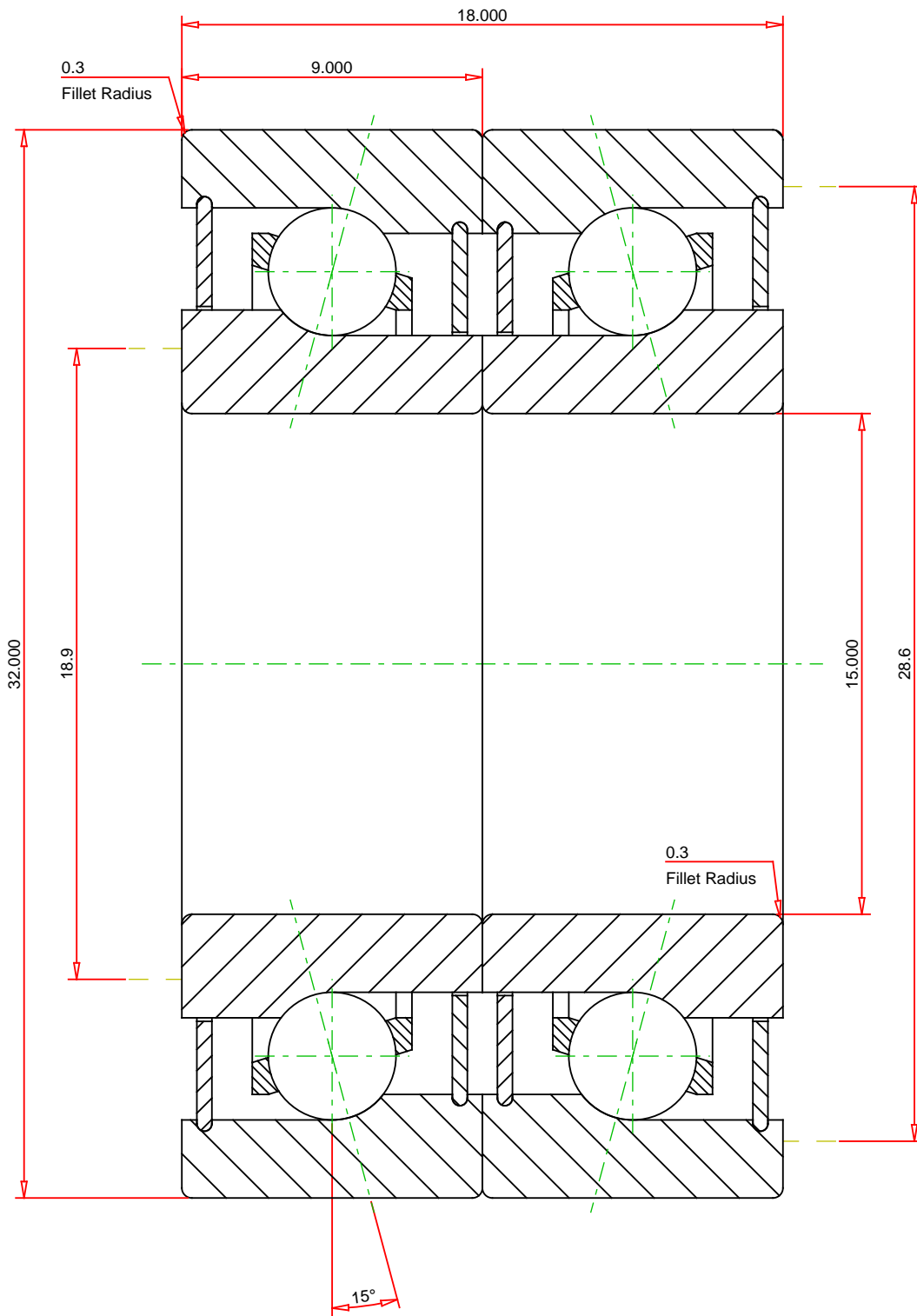
R - Inner Ring "To Clear" Radius²	0.3 mm 0.012 in
r - Outer Ring "To Clear" Radius³	0.3 mm 0.012 in

da - Inner Ring Backing Diameter	18.9 mm 0.750 in
Da - Outer Ring Backing Diameter	28.6 mm 1.130 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	12
Bearing Weight	0.054 kg

TIMKEN®

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NORTH CANTON, OHIO USA

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Dynamic Radial Rating	5210 N
Static Radial Rating	2110 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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