


The Timken Company

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N. Canton, OH 44720

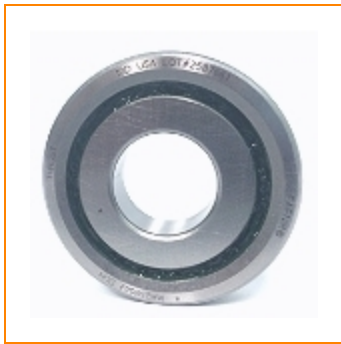
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Part Number MM9310WI 2H DUH, Fafnir® Single Row Imperial Ball Screw Support

Bearings (MM9-H)

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	38.1 mm
Ball Type	STEEL
Cage Type	CR - Phenolic Outer Land Riding Cage
Manufacturing Part Number	MM9310WI 2H DUH

Dimensions



D - Outer Diameter	72 mm 2.8346 in
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Bearing Width	15.88 mm 0.625 in
Total Width	31.76 mm 1.25 in
Contact Angle	60°

Basic Load Ratings

C0 - Static Radial Rating (per row)	45400 N 10200 lbf
Ce - Dynamic Radial Rating (per row)¹	36300 N 8150 lbf
C1 ISO - Dynamic Radial Rating (per row)	32700 N 7350 lbf

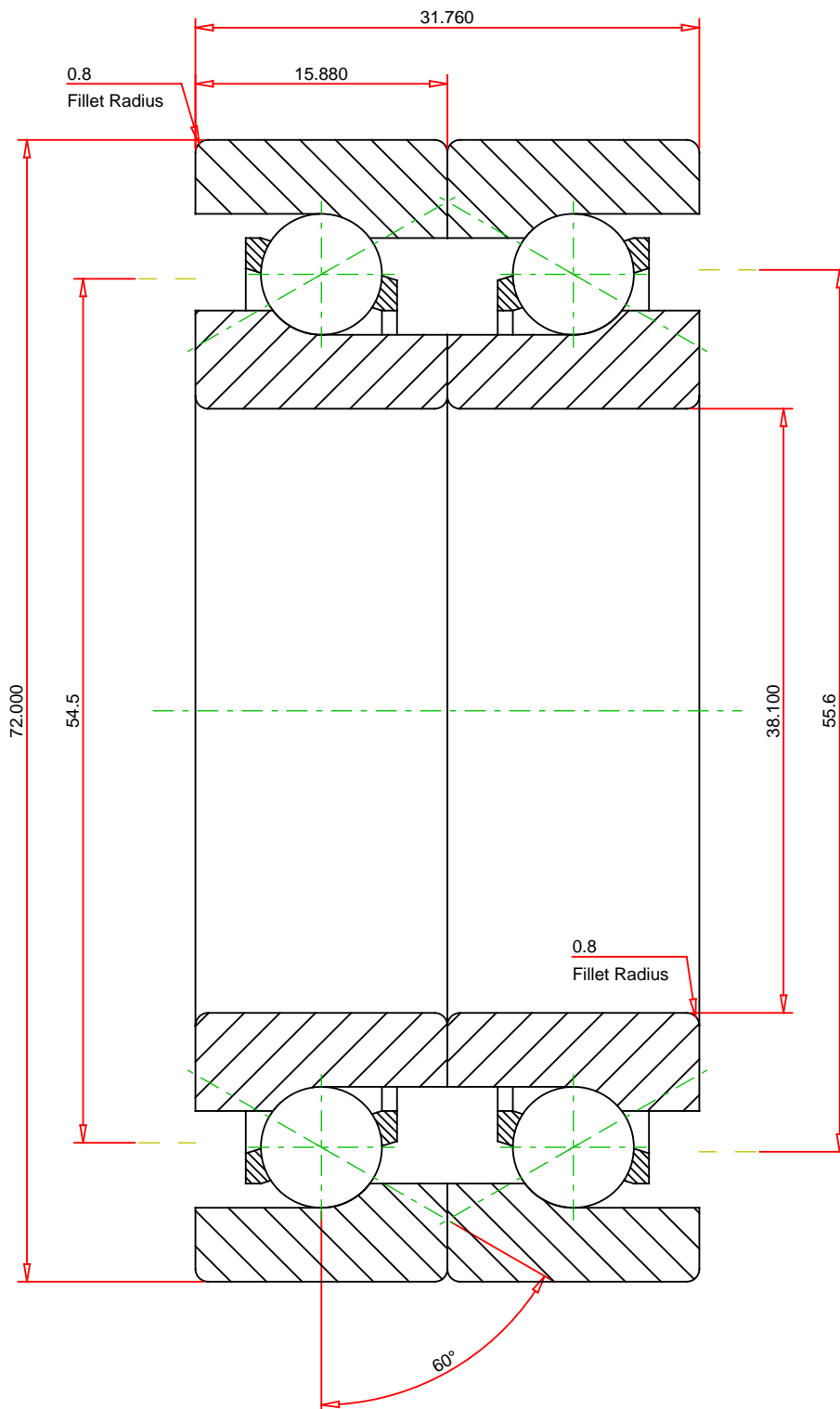
Factors

Limiting Speed (Grease) (per row)	2500 rpm
Limiting Speed (Oil) (per row)	5000 rpm

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	0.8 mm 0.031 in
r - Outer Ring "To Clear" Radius³	0.800 mm 0.031 in
da - Inner Ring Backing Diameter	54.483 mm 2.145 in
Da - Outer Ring Backing Diameter	55.611 mm 2.1894 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	18
Bearing Weight	0.560 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

MM9310WI 2H DUH	
Fafnir® Single Row Imperial Ball Screw Support Bearings (MM9-H)	
Dynamic Radial Rating	36300 N
Static Radial Rating	45400 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