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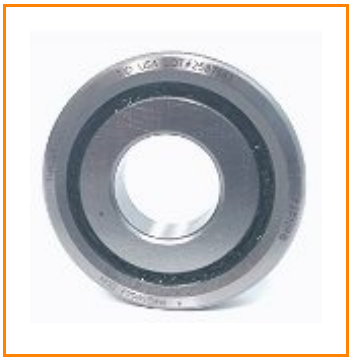
Timken Part Number MM9306WI2H, Fafnir® Single Row Imperial Ball Screw Support Bearings (MM9-H)

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.



Dimensions | Basic Load Ratings | Factors | Specifications | Abutment and Fillet Dimensions

Dimensions

d - Bore	20.000 mm 0.7874 in
D - Outer Diameter	47.000 mm 1.8504 in
Bearing Width	15.880 mm 0.6250 in
Contact Angle	60 º
do - Ball Diameter	7.900000 mm 0.312500 in

Basic Load Ratings

C0 - Static Radial Rating	24900 N 5600 lbf
Ce - Dynamic Radial Rating[1]	24900 N 5600 lbf

Factors

Limiting Speed (Grease)	4400 rpm
Limiting Speed (Oil)	8800 rpm

Specifications

Ball Type	Steel
Cage Type	Nylon Ball Riding Cage
Bearing Weight	0.130 Kg 0.28 lb
Design Units	METRIC

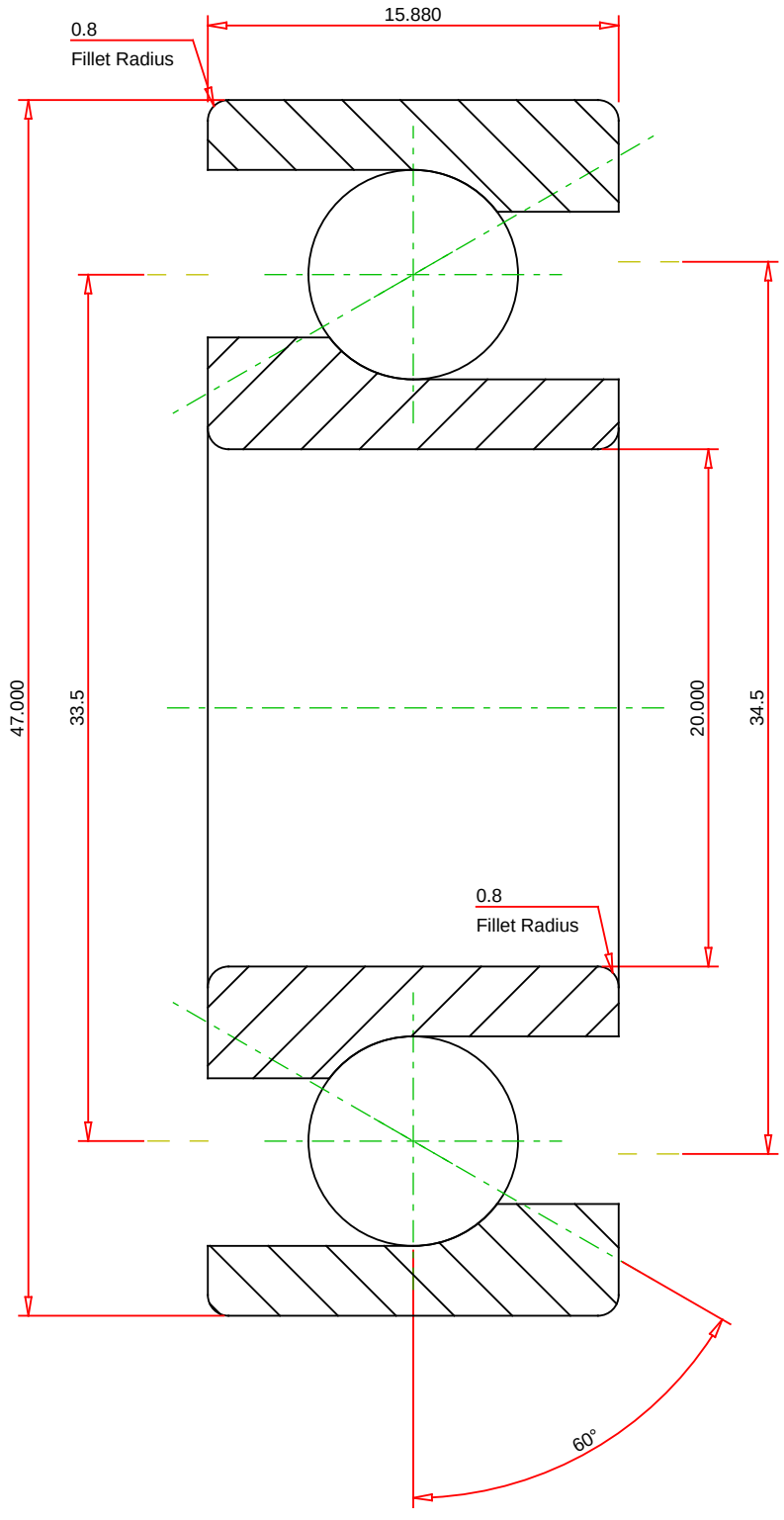
Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	0.800 mm 0.031 in
r - Outer Ring "To Clear" Radius[3]	0.800 mm 0.031 in
da - Inner Ring Backing Diameter	33.492 mm 1.3186 in
Da - Outer Ring Backing Diameter	34.491 mm 1.3579 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	0.130	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

MM9306WI2H

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Dynamic Radial Rating	24900	N
Static Radial Rating	24900	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