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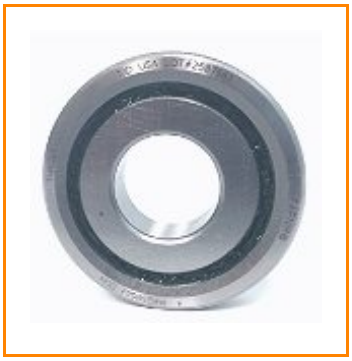
Timken Part Number MM60BS120, Fafnir® Single Row Ball Screw Support Bearings (MM-BS)

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	60.000 mm 23.6220 in
D - Outer Diameter	120.000 mm 47.2440 in
Bearing Width	22.500 mm 0.8858 in
Contact Angle	60 º
do - Ball Diameter	12.70000 mm 0.50000 in

Basic Load Ratings

C0 - Static Radial Rating	133400 N 30000 lbf
Ce - Dynamic Radial Rating[1]	75600 N 17000 lbf

Factors

Limiting Speed (Grease)	1700 rpm
Limiting Speed (Oil)	3400 rpm

Specifications

Ball Type	Steel
Cage Type	Nylon Ball Riding Cage
Bearing Weight	1.060 Kg 2.34 lb
Design Units	METRIC

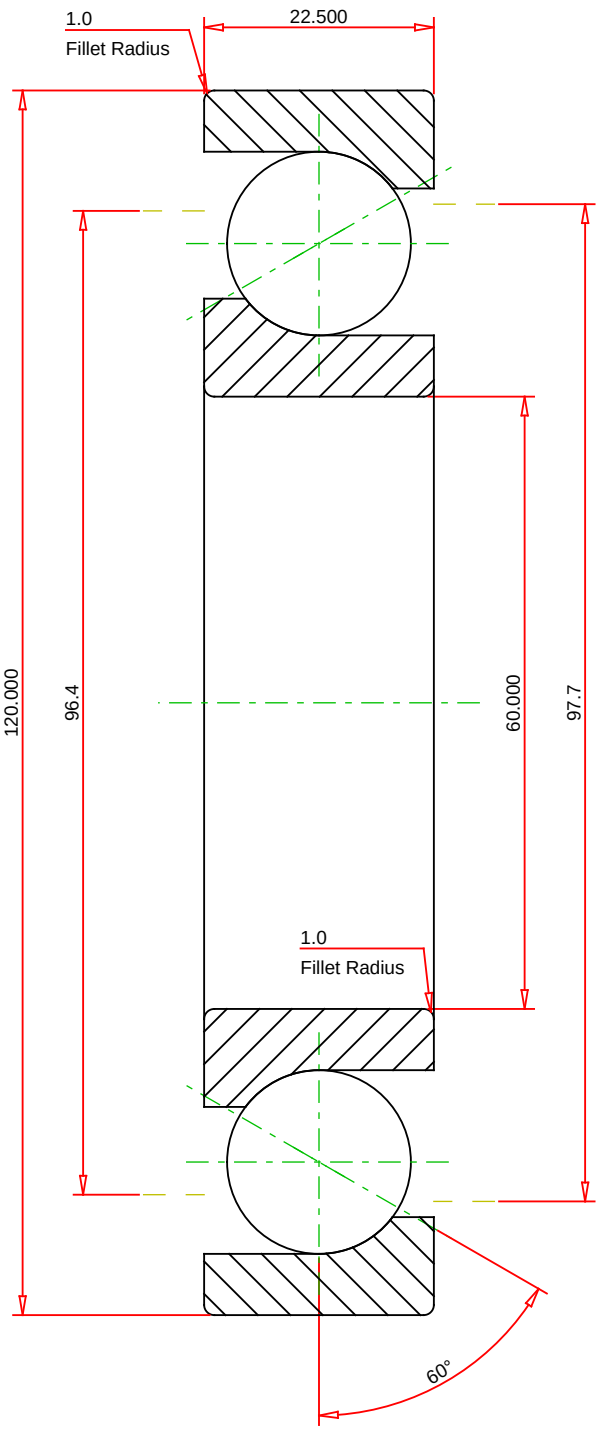
Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.000 mm 0.039 in
r - Outer Ring "To Clear" Radius[3]	1.000 mm 0.039 in
da - Inner Ring Backing Diameter	96.403 mm 3.7954 in
Da - Outer Ring Backing Diameter	97.719 mm 3.8472 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	21	
Bearing Weight	1.060	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

MM60BS120

Fafnir® Single Row Ball Screw Support Bearings
(MM-BS)

Dynamic Radial Rating	75600	N
Static Radial Rating	133400	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