


**The Timken Company**

4500 Mt Pleasant St. NW

N. Canton, OH 44720

**Phone:** (234) 262-3000

**E-Mail:** [CustomerCAD@timken.com](mailto:CustomerCAD@timken.com) • **Web site:** [www.timken.com](http://www.timken.com)

## Part Number MM40BS72 TUM, 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.




[Specifications](#) | [Dimensions](#) | [Basic Load Ratings](#) | [Factors](#) | [Abutment and Fillet Dimensions](#)

### Specifications

<b>Manufacturing Part Number</b>	MM40BS72TUM
<b>Rows per Set</b>	Triplex
<b>Design Units</b>	Metric
<b>d - Bore</b>	40 mm
<b>Ball Type</b>	STEEL
<b>Cage Type</b>	CR - Phenolic Outer Land Riding Cage

### Dimensions

<b>D - Outer Diameter</b>	72 mm 2.8346 in
 <b>Bearing Width</b>	15 mm 0.5906 in

<b>Total Width</b>	45 mm 1.7718 in
--------------------	--------------------

<b>Contact Angle</b>	60°
----------------------	-----

## Basic Load Ratings

<b>C0 - Static Radial Rating (per row)</b>	45400 N 10200 lbf
--	----------------------

<b>Ce - Dynamic Radial Rating (per row)</b>	36300 N 8160 lbf
---	---------------------

<b>C1 ISO - Dynamic Radial Rating (per row)</b>	32700 N 7360 lbf
---	---------------------

## Factors

<b>Limiting Speed (Grease) (per row)</b>	2900 rpm
--	----------

<b>Limiting Speed (Oil)</b>	5800 rpm
-----------------------------	----------

## Abutment and Fillet Dimensions

<b>R - Inner Ring "To Clear" Radius<sup>1</sup></b>	0.8 mm 0.031 in
---	--------------------

<b>r - Outer Ring "To Clear" Radius<sup>2</sup></b>	0.800 mm 0.031 in
---	----------------------

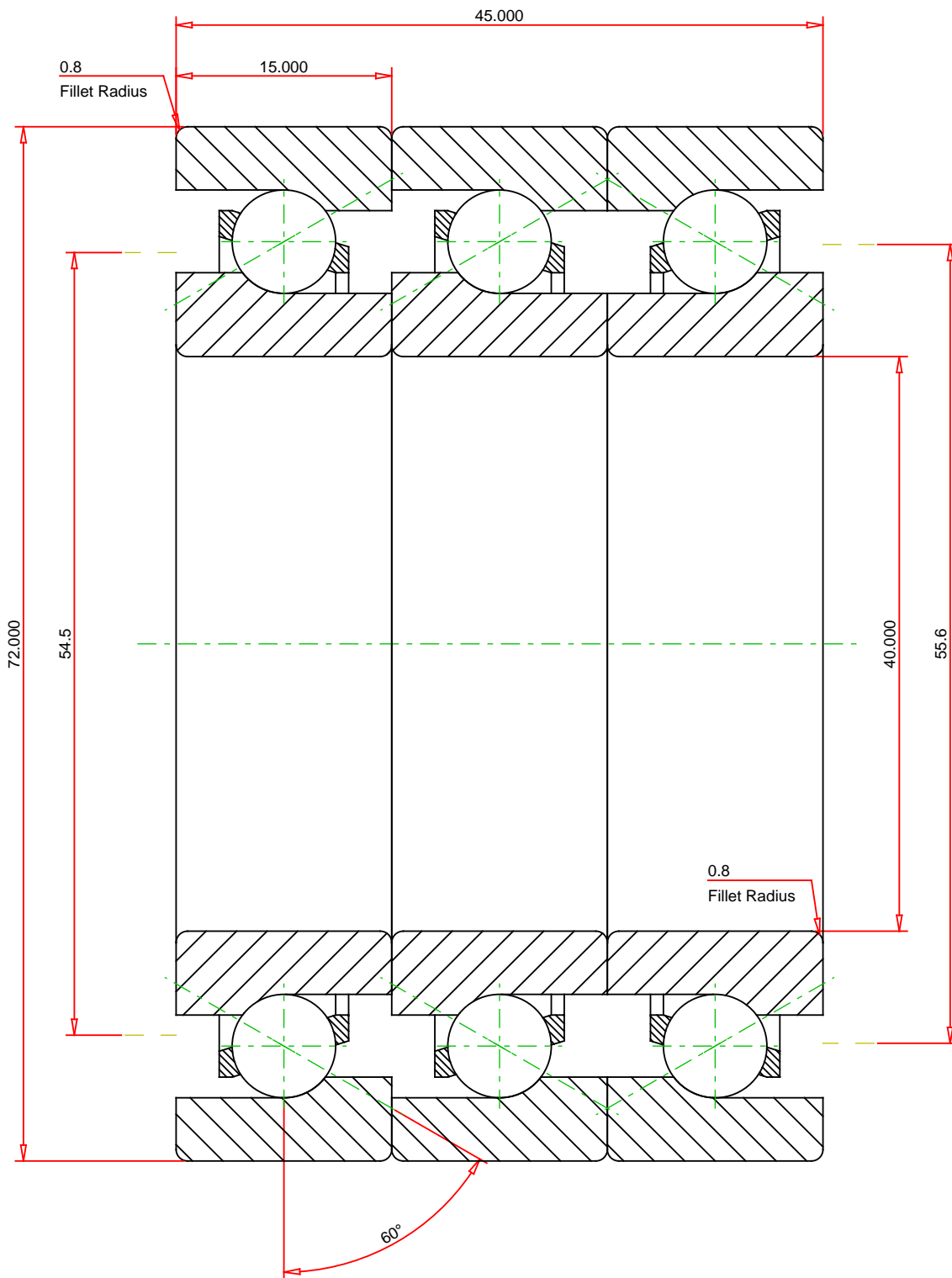
<b>da - Inner Ring Backing Diameter</b>	54.483 mm 2.145 in
---	-----------------------

<b>Da - Outer Ring Backing Diameter</b>	55.611 mm 2.1894 in
---	------------------------

<sup>1</sup> Maximum housing fillet radius that bearing corners will clear.

<sup>2</sup> Maximum shaft fillet radius that bearing corners will clear.





METRIC UNITS

Number of Balls Per Row	18
Bearing Weight	0.750 kg

**TIMKEN**®

**THE TIMKEN COMPANY**  
NORTH CANTON, OHIO USA

**MM40BS72 TUM**  
Fafnir® Single Row Ball Screw Support Bearings  
(MM-BS)

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**