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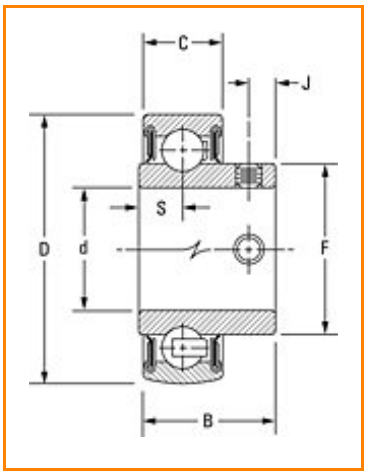
# Timken Part Number YA103RR, Fafnir® Setscrew Locking Ball Bearings






Specifications | Dimensions | Basic Load Ratings

## Specifications

| | |
|---|---|
| **Bore Size d** | 1 3/16 in<br>30.2 mm |
| **Bore Type** | Cylindrical bore |
| **Bearing Type** | Ball Bearing |
| **Seal Type** | Narrow Shroud |
| **Material** | Bearing Steel |
| **Lubrication Type** | Non-Relubricatable |
| **O.D. Type** | Cylindrical OD |
| **Series** | Standard |
| **Weight** | 0.500 lb<br>0.200 Kg |

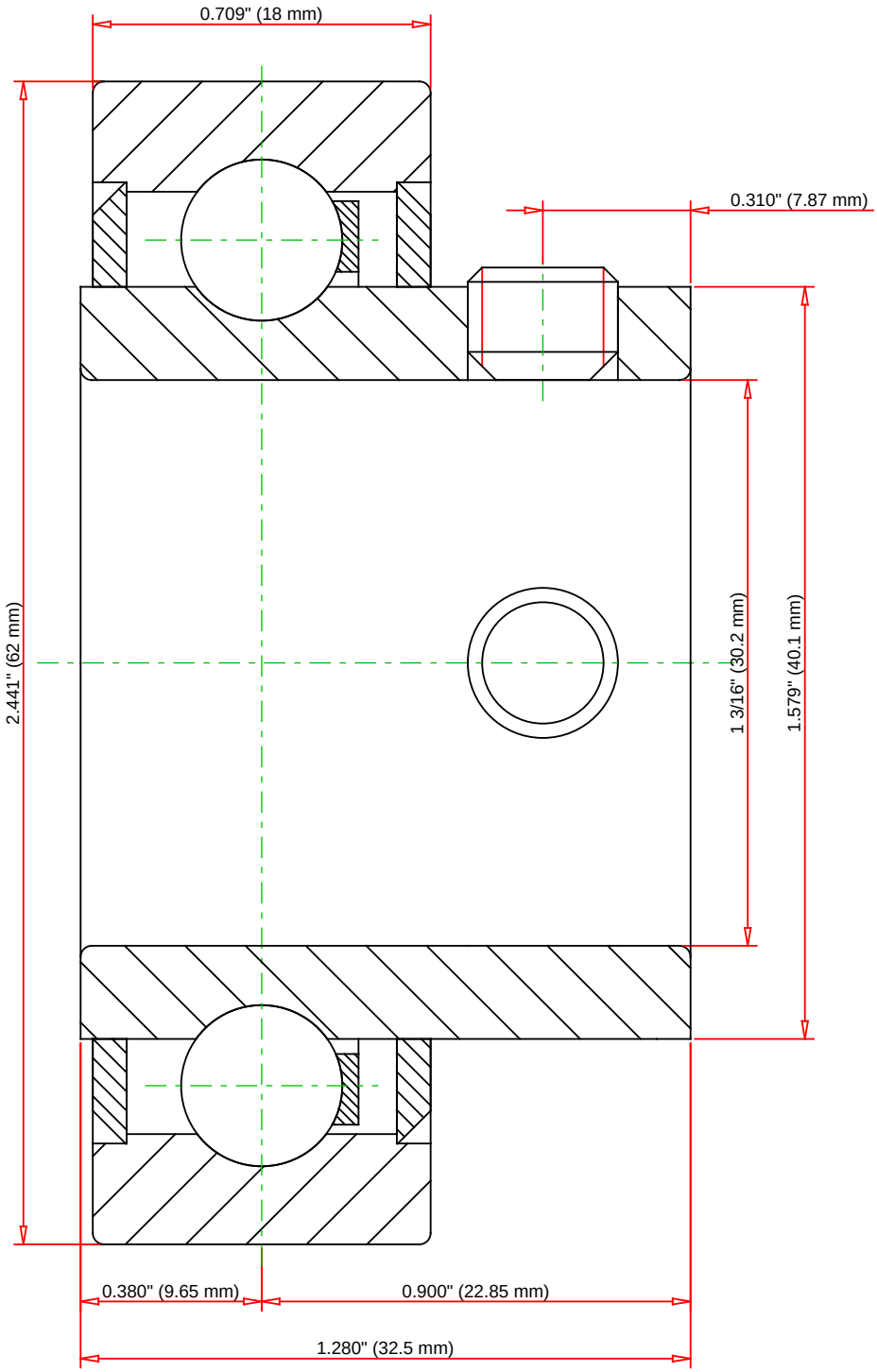
| | |
|---|---|
| **Sub Series** | YA..RR |

## Dimensions

| | |
|---|---|
| **Outside Diameter D** | 2.441 in<br>62.000 mm |
| **Inside Ring Width B** | 32.5 mm<br>1.280 in |
| **Outside Ring Width C** | 18.000 mm<br>0.709 in |
| **Radius r** | 0.6 mm<br>0.024 in |
| **Center of Bearing from End S** | 9.65 mm<br>0.380 in |
| **Dimension S1** | 22.85 mm<br>0.900 in |
| **Set Screw Distance S2** | 7.87 mm<br>0.310 in |
| **Set Screw Size** | M8X1.25 |
| **Number of Set Screws** | 2 |
| **Angle between Set Screws** | 90 º |

## Basic Load Ratings

| | |
|---|---|
| **Static Load Rating** | 2500 lbf<br>11100 N |
| **Dynamic Load Rating** | 4900 lbf<br>21800 N |




| | | |
|---|---|---|
| Weight | 0.5 lb | 0.2 kg |

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

# YA103RR

Fafnir® Setscrew Locking Ball Bearings

| | | |
|---|---|---|
| Basic Load Ratings - $C_r$ | 4900 lbf | 21800 N |
| Load Ratings - $C_{0r}$ | 2500 lbf | 11100 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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