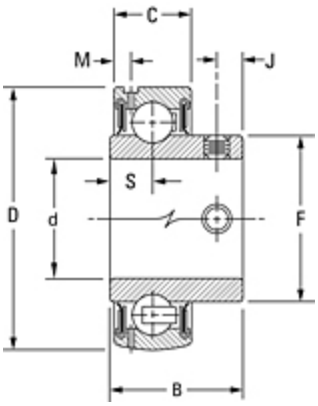
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number GYAE50RRB, Fafnir® Wide Inner Ring Setscrew Locking Ball Bearings





Specifications | Dimensions | Basic Load Ratings

Specifications

Shaft Size d	1.969 in 50 mm
Bore Type	Cylindrical bore
Bearing Type	Ball Bearing
Material	Bearing Steel
Lubrication Type	Relubricatable
O.D. Type	Spherical OD
Dimension M	0.175 in 4.44 mm
Series	Standard
Weight	0.50 lb 0.2 Kg

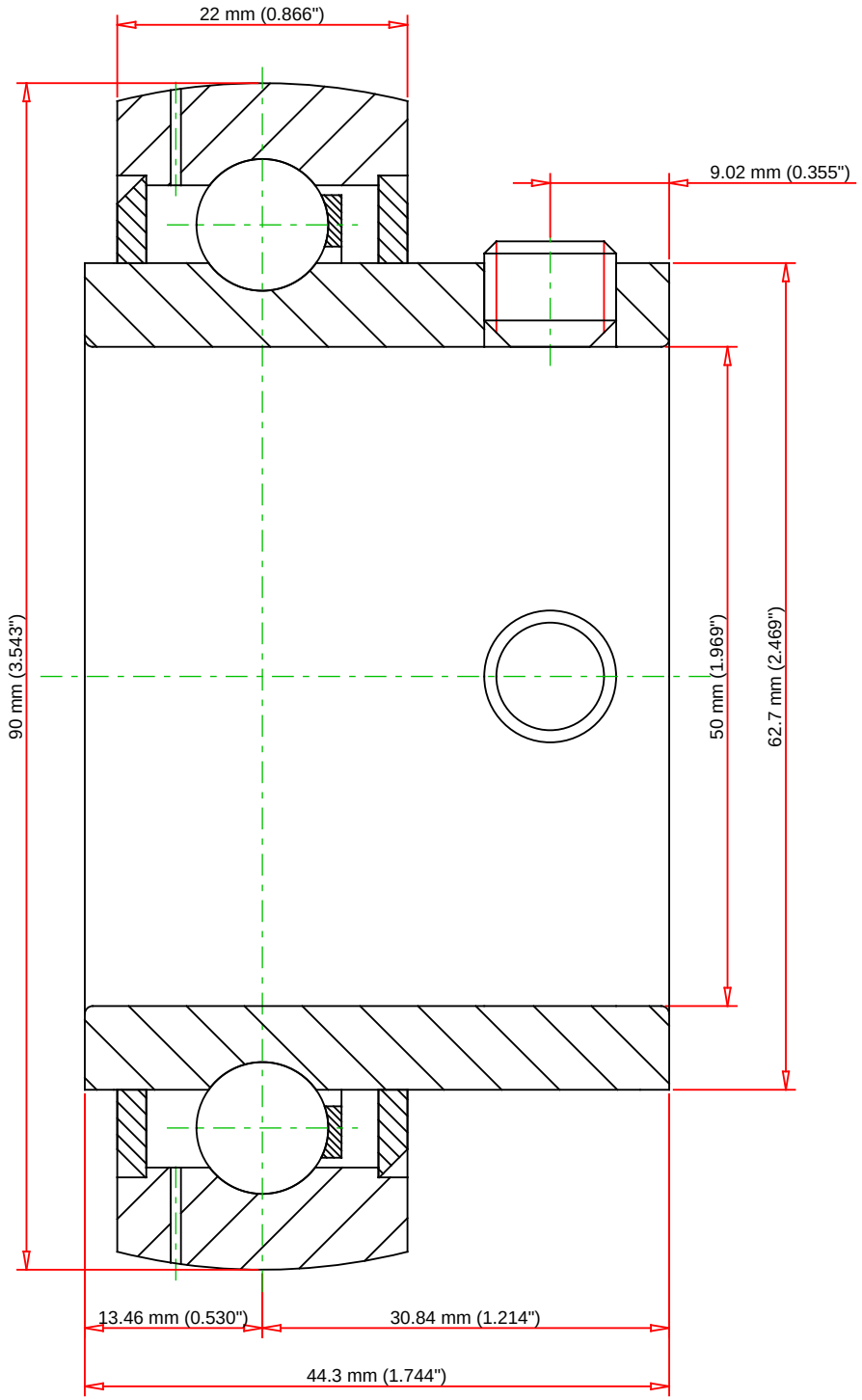
Sub Series	GYAE..RRB
Seal Type	Narrow Shroud

Dimensions

Outside Diameter D	3.543 in 90.000 mm
Inner Ring Width B	44.3 mm 1.744 in
Outside Ring Width C	22.000 mm 0.866 in
Radius r	0.6 mm 0.024 in
Center of Bearing from End S	13.46 mm 0.530 in
Dimension S1	30.84 mm 1.214 in
Set Screw Distance S2	9.02 mm 0.355 in
Set Screw Size	M10x1.5
Number of Set Screws	2
Angle between Set Screws	90 °

Basic Load Ratings

Static Load Rating	5210 lbf 23200 N
Dynamic Load Rating	8740 lbf 38900 N



Weight	0.5 lb	0.2 kg

TIMKEN®

THE TIMKEN COMPANY

NORTH CANTON, OHIO USA

GYAE50RRB

Fafnir® Wide Inner Ring Setscrew Locking Ball Bearings

Basic Load Ratings - C_r	8800 lbf	39200 N
Load Ratings - C_{0r}	5100 lbf	22700 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