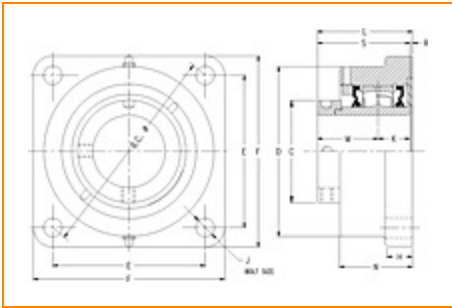




The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number QMF09J111S, Eccentric Four Bolt Square Flange Block



[Specifications](#) | [Dimensions](#) | [Radial and Thrust Factors](#) | [Engineering Seal Speed](#) | [Engineering Bearing Attributes](#) | [Engineering Internal Radial Clearance](#)

Specifications

Engineering Group	Mounted Bearing
Bearing Number	22209
Shaft Size	1 11/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QMF09J111SB QMF09J111SC QMF09J111SEB QMF09J111SEC QMF09J111SEM QMF09J111SEN QMF09J111SEO QMF09J111SET QMF09J111SM QMF09J111SN QMF09J111SO



	QMF09J111ST
Locking Style	Eccentric
Housing Construction	Four-Bolt Square Flange
UPC Code	0883450065825
	0883450065832
	0883450065856
	0883450065863
	0883450065870
	0883450065887
	0883450065894
	0883450065900
	0883450161534
	0883450162210
	0883450254250
	0883450254731

Dimensions

Dimension BC	5.84 in 148.3 mm
Dimension C	2.63 in 66.8 mm
Dimension D	4.66 in 118.4 mm
Dimension E	4.13 in 104.9 mm
Dimension F	5.38 in 136.7 mm
Dimension H	0.88 in 22.4 mm
Dimension J (Bolt Size)	0.5 in 12 mm
Dimension K	1 in 25.4 mm

Dimension L Exp	3.21 in 81.5 mm
Dimension L Fix	3.13 in 79.5 mm
Dimension M	1.88 in 47.8 mm
Dimension N	2.5 in 63.5 mm
Dimension R	0.25 in 6.4 mm
Dimension S	2.88 in 73.2 mm

Radial and Thrust Factors

C0 - Static Load	24200 lbf 108000 N
C - Dynamic Load (Basic)	24500 lbf 109000 N
e - Geometry Factor	0.27
Y1 - Geometry Factor	2.5
Y2 - Geometry Factor	3.72

Engineering Seal Speed

Oil Lubrication - M/N Seal	2700 rpm
Oil Lubrication - T Seal	4500 rpm
Oil Lubrication - B/C/O Seal	1950 rpm
Grease Lubrication - M/N Seal	2700 rpm

Grease Lubrication - T Seal 4000 rpm

Grease Lubrication - B/C/O Seal 1950 rpm

Engineering Bearing Attributes

Float 0.050 in
1.270 mm

Shaft Tolerance 0.0015 in
0.038 mm

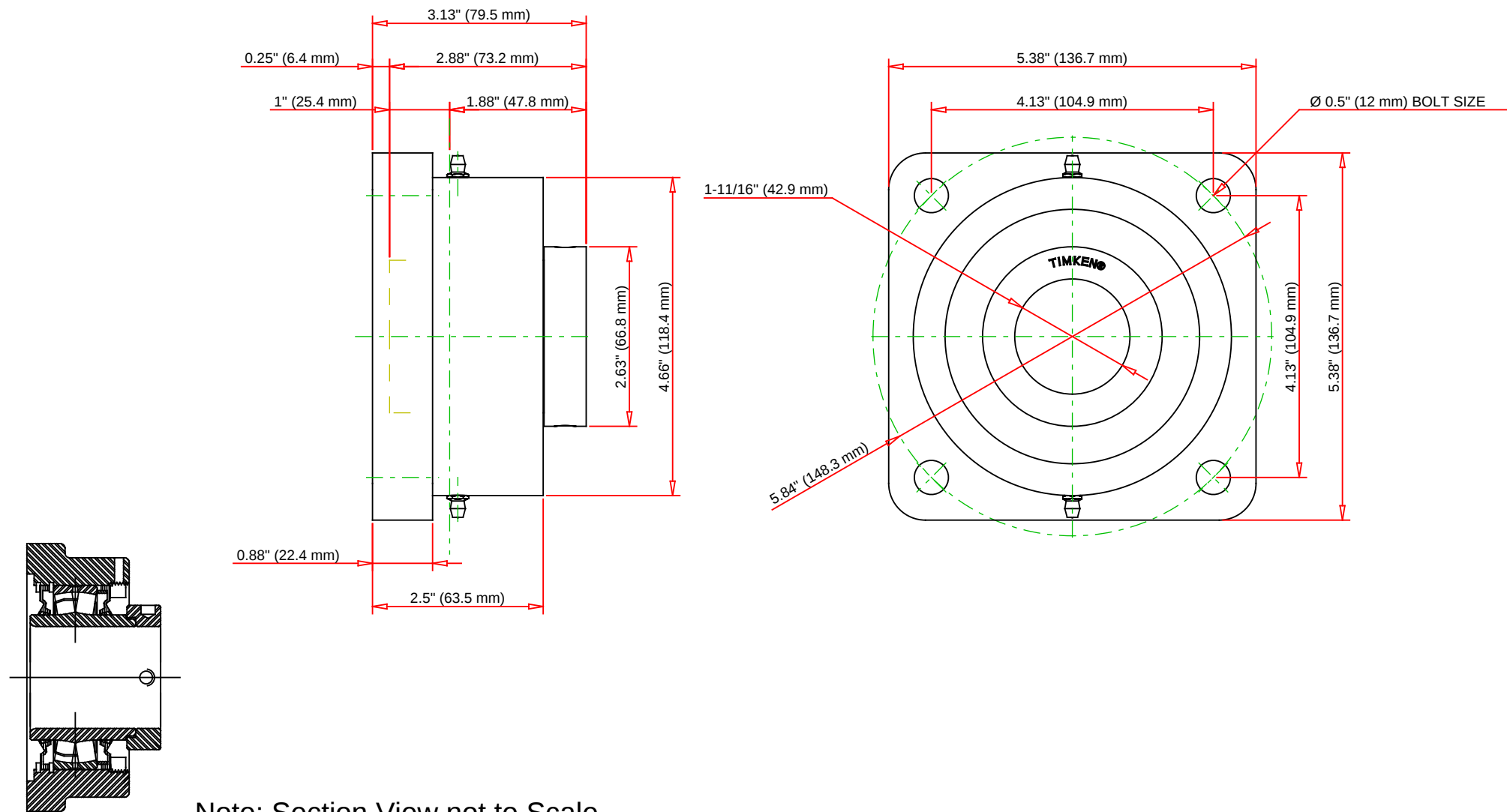
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min 0.0014

Eng Internal Radial Clearance - Max 0.0022

Pre Install Clearance Min 0.0014 in
0.035 mm

Pre Install Clearance Max 0.0022 in
0.055 mm



Note: Section View not to Scale

C - Dynamic Load	24500	lbf	109000	N
C0 - Static Load	24200	lbf	108000	N
Weight	11	lb	5	kg
Max. Speed T-Seals & Grease	4000	rpm		
Rad. Clearance - Max.	0.0022			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QMF09J111S

Eccentric Four Bolt Square Flange
Block

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