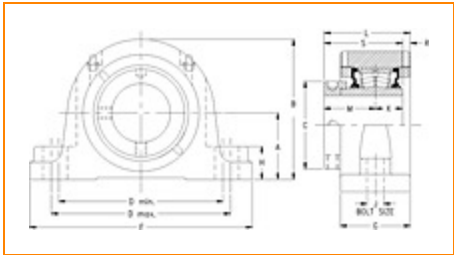
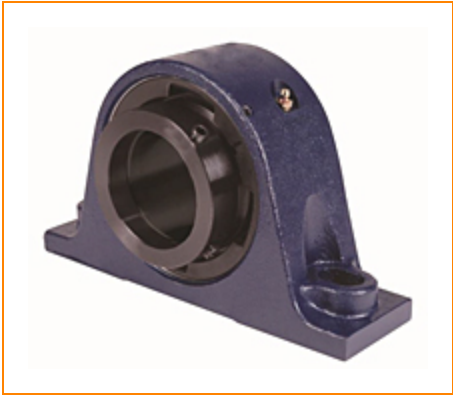




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Part Number QMSN13J208S, Eccentric Two-Bolt Pillow Block



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

Specifications

Engineering Group	Mounted Bearing
Bearing Number	22213
Shaft Size	2 1/2 in
Shaft Size Type	Imperial
Full Timken Part Number	QMSN13J208SB QMSN13J208SC QMSN13J208SEB QMSN13J208SEC QMSN13J208SEM QMSN13J208SEN QMSN13J208SEO QMSN13J208SET QMSN13J208SM QMSN13J208SN QMSN13J208SO QMSN13J208ST



Locking Style	Eccentric
Housing Construction	Two-Bolt Pillow Block
UPC Code	0883450097321
	0883450097338
	0883450097352
	0883450097369
	0883450097376
	0883450097383
	0883450097390
	0883450097406
	0883450160919
	0883450161275
	0883450253574
	0883450253963

Dimensions

Dimension A	3.15 in 80 mm
Dimension B	6.18 in 157 mm
Dimension C	3.62 in 92 mm
Dimension D Min	7.72 in 196 mm
Dimension D Max	9.25 in 235 mm
Dimension F	10.83 in 275 mm
Dimension G	2.91 in 74 mm
Dimension H	1.38 in 35 mm

Dimension J (Bolt Size)	0.625 in 16 mm
Dimension K	1.22 in 31 mm
Dimension L	3.58 in 91 mm
Dimension M	2.17 in 55 mm
Dimension R	0.2 in 5 mm
Dimension S	3.39 in 86 mm

Radial and Thrust Factors

C0 - Static Load	48600 lbf 216000 N
C - Dynamic Load (Basic)	46400 lbf 206000 N
e - Geometry Factor	0.24
Y1 - Geometry Factor	2.79
Y2 - Geometry Factor	4.15

Engineering Seal Speed

Oil Lubrication - M/N Seal	1800 rpm
Oil Lubrication - T Seal	3200 rpm
Oil Lubrication - B/C/O Seal	1500 rpm
Grease Lubrication - M/N Seal	1800 rpm

Grease Lubrication - T Seal 2800 rpm

Grease Lubrication - B/C/O Seal 1500 rpm

Engineering Bearing Attributes

Float 0.083 in
2.108 mm

Shaft Tolerance 0.0015 in
0.038 mm

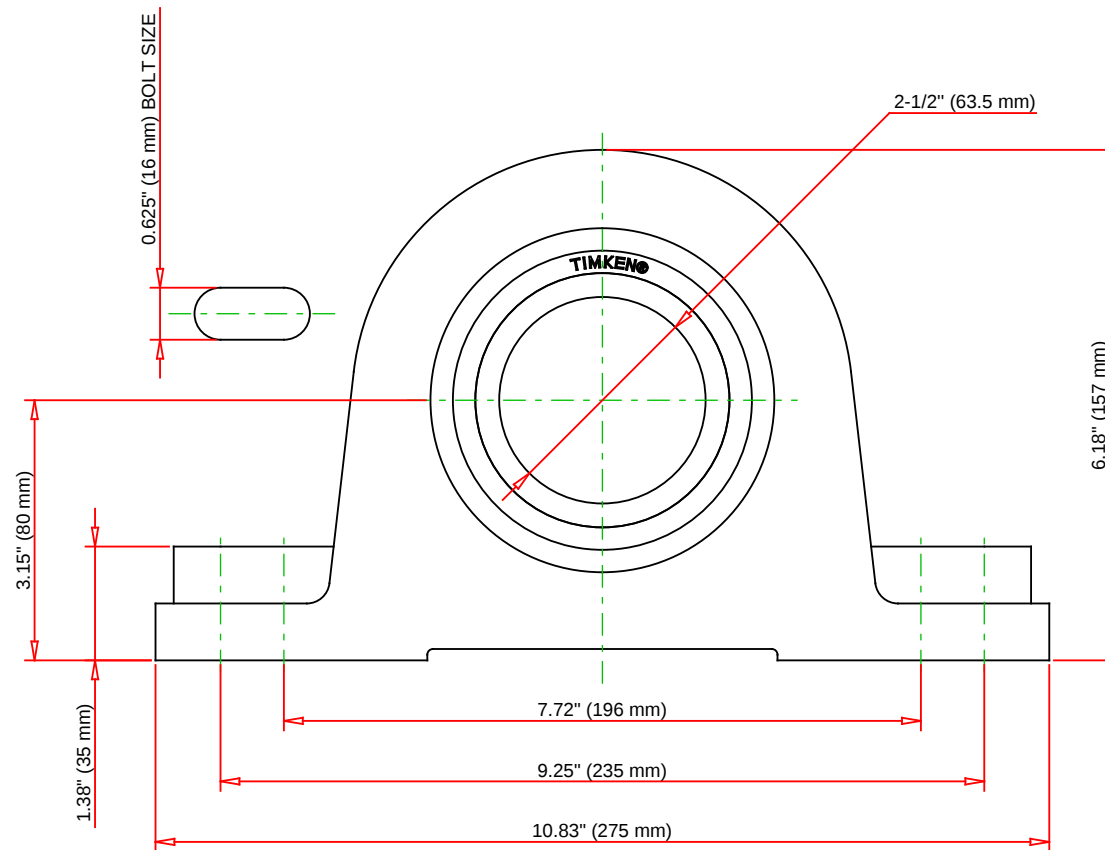
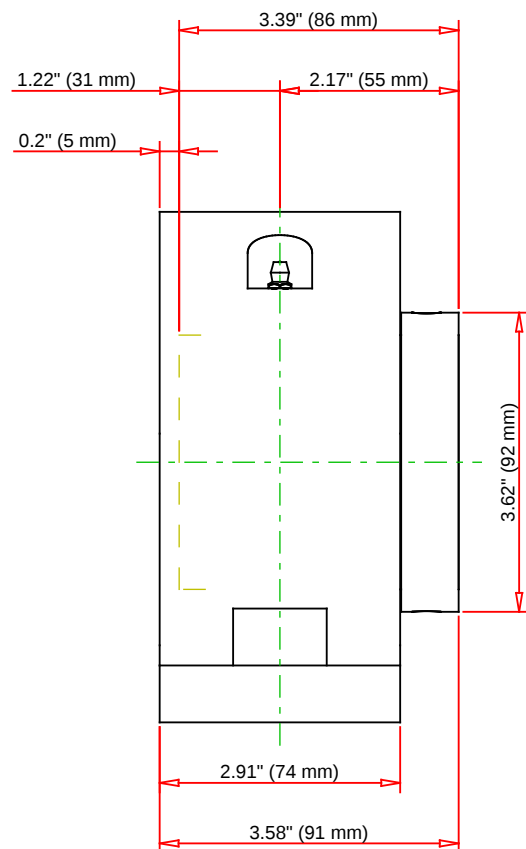
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min 0.0016

Eng Internal Radial Clearance - Max 0.0026

Pre Install Clearance Min 0.0016 in
0.040 mm

Pre Install Clearance Max 0.0026 in
0.065 mm



Note: Section View not to Scale

C - Dynamic Load	46400	lbf	206000	N
C0 - Static Load	48600	lbf	216000	N
Weight	35	lb	15.9	kg
Max. Speed T-Seals & Grease	2800	rpm		
Rad. Clearance - Max.	0.0026			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QMSN13J208S
Eccentric Two-Bolt Pillow 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