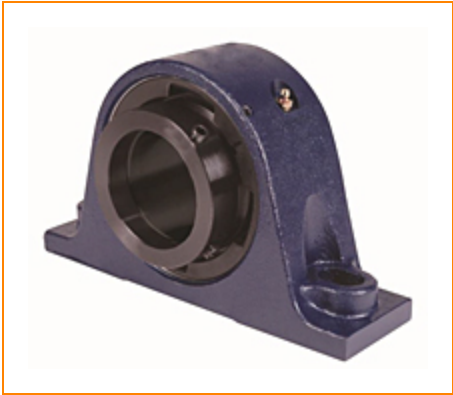




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Part Number QMSN22J408S, Eccentric Two-Bolt Pillow Block



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

Specifications

Engineering Group	Mounted Bearing
Bearing Number	22222
Shaft Size	4 1/2 in
Shaft Size Type	Imperial
Full Timken Part Number	QMSN22J408SB QMSN22J408SC QMSN22J408SEB QMSN22J408SEC QMSN22J408SEM QMSN22J408SEN QMSN22J408SEO QMSN22J408SET QMSN22J408SM QMSN22J408SN QMSN22J408SO QMSN22J408ST



Locking Style	Eccentric
Housing Construction	Two-Bolt Pillow Block
UPC Code	0883450099424
	0883450099431
	0883450099455
	0883450099462
	0883450099479
	0883450099493
	0883450253789
	0883450254175
	0883450356824
	0883450356831
	0883450356848
	0883450356855

Dimensions

Dimension A	5.91 in 150 mm
Dimension B	10.43 in 265 mm
Dimension C	6.3 in 160 mm
Dimension D Min	14.45 in 367 mm
Dimension D Max	15.75 in 400 mm
Dimension F	17.52 in 445 mm
Dimension G	4.13 in 105 mm
Dimension H	1.93 in 49 mm

Dimension J (Bolt Size)	0.875 in 24 mm
Dimension K	1.85 in 47 mm
Dimension L	5.79 in 147 mm
Dimension M	3.7 in 94 mm
Dimension R	0.24 in 6 mm
Dimension S	5.55 in 141 mm

Radial and Thrust Factors

C0 - Static Load	147000 lbf 653000 N
C - Dynamic Load (Basic)	125000 lbf 555000 N
e - Geometry Factor	0.25
Y1 - Geometry Factor	2.73
Y2 - Geometry Factor	4.06

Engineering Seal Speed

Oil Lubrication - M/N Seal	900 rpm
Oil Lubrication - T Seal	1700 rpm
Oil Lubrication - B/C/O Seal	600 rpm
Grease Lubrication - M/N Seal	900 rpm

Grease Lubrication - T Seal	1200 rpm
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Grease Lubrication - B/C/O Seal	600 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0050 in 0.127 mm
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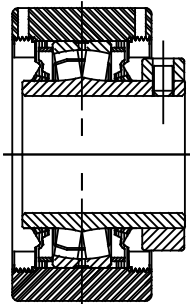
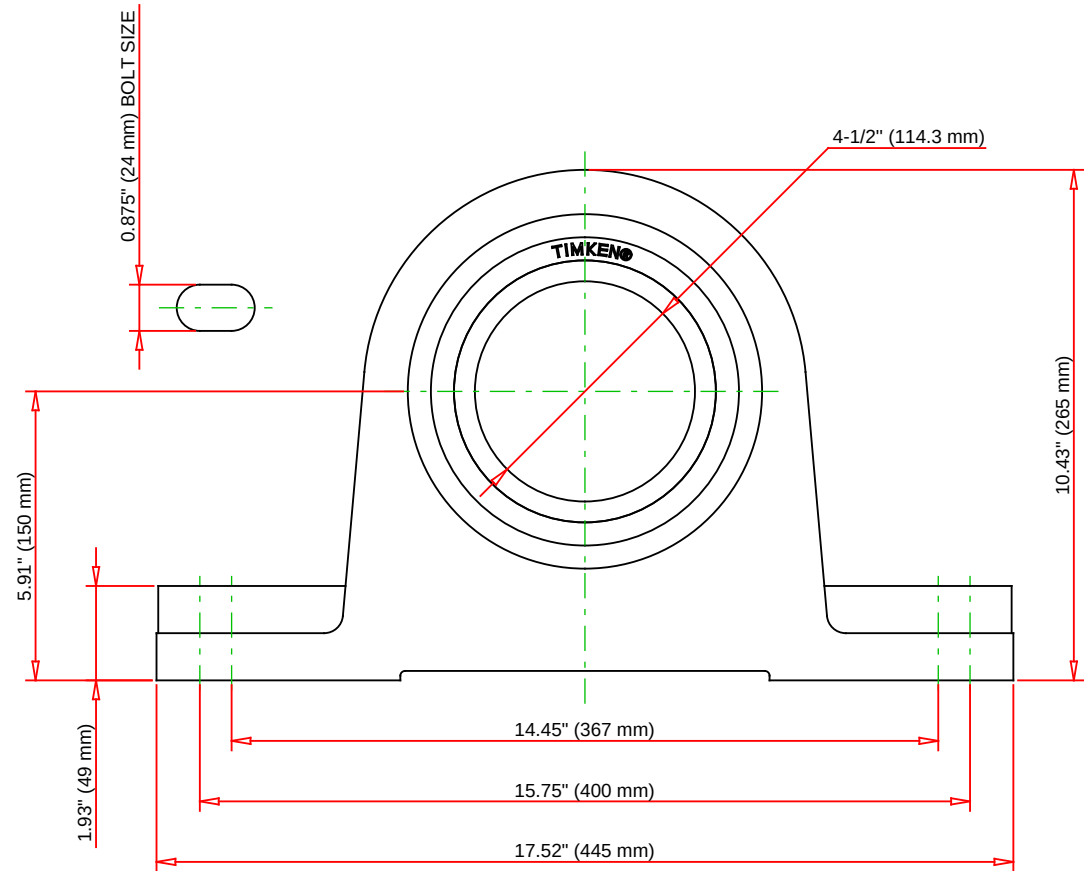
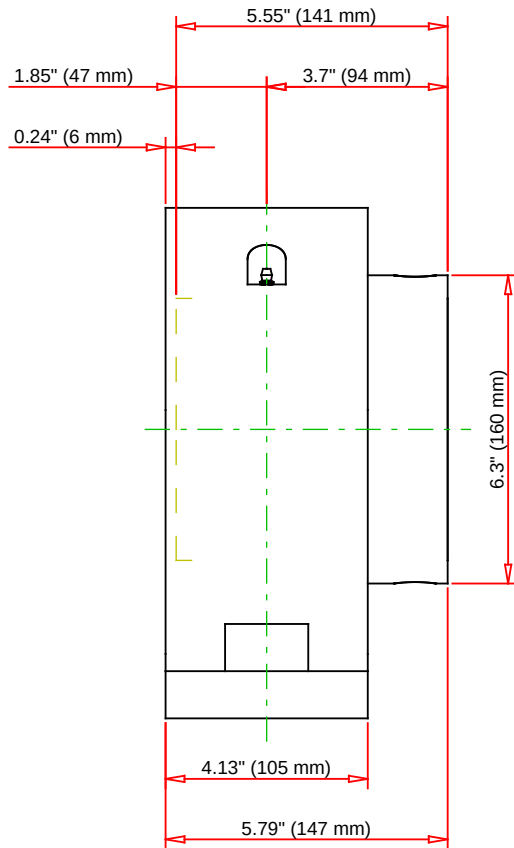
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0030
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Eng Internal Radial Clearance - Max	0.0047
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Pre Install Clearance Min	0.003 in 0.075 mm
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Pre Install Clearance Max	0.0047 in 0.12 mm
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Note: Section View not to Scale

C - Dynamic Load	125000	lbf	555000	N
C0 - Static Load	147000	lbf	653000	N
Weight	78	lb	35.5	kg
Max. Speed T-Seals & Grease	1200	rpm		
Rad. Clearance - Max.	0.0047			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QMSN22J408S
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