


The Timken Company

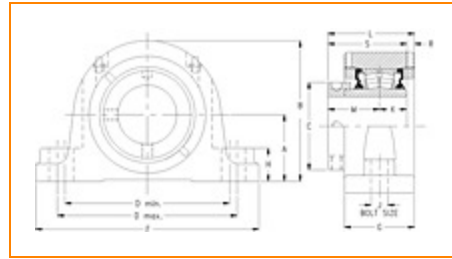
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Part Number QMPL20J400S, Eccentric Two-Bolt Pillow Block



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22220

Shaft Size 4 in

Shaft Size Type Imperial

Full Timken Part Number

- QMPL20J400SB
- QMPL20J400SC
- QMPL20J400SEB
- QMPL20J400SEC
- QMPL20J400SEM
- QMPL20J400SEN
- QMPL20J400SEO
- QMPL20J400SET
- QMPL20J400SM
- QMPL20J400SN
- QMPL20J400SO
- QMPL20J400ST



Locking Style	Eccentric
Housing Construction	Two-Bolt Pillow Block
UPC Code	0883450089326 0883450089333 0883450089357 0883450089364 0883450089371 0883450089388 0883450089395 0883450089401 0883450155267 0883450155601 0883450250238 0883450250573

Dimensions

Dimension A	4-1/4 in 108 mm
Dimension B	8.38 in 212.9 mm
Dimension C	6 in 152.4 mm
Dimension D Min	10.04 in 255 mm
Dimension D Max	12.6 in 320 mm
Dimension F	14.25 in 362 mm
Dimension G	3.73 in 94.7 mm
Dimension H	2.12 in 53.8 mm

Dimension J (Bolt Size)	1 in 24 mm
Dimension K	1.63 in 41.4 mm
Dimension L	4.84 in 122.9 mm
Dimension M	2.96 in 75.2 mm
Dimension R	0.24 in 6.1 mm
Dimension S	4.59 in 116.6 mm

Radial and Thrust Factors

C0 - Static Load	113000 lbf 502000 N
C - Dynamic Load (Basic)	97700 lbf 435000 N
e - Geometry Factor	0.24
Y1 - Geometry Factor	2.85
Y2 - Geometry Factor	4.24

Engineering Seal Speed

Oil Lubrication - M/N Seal	1200 rpm
Oil Lubrication - T Seal	2000 rpm
Oil Lubrication - B/C/O Seal	900 rpm
Grease Lubrication - M/N Seal	1200 rpm

Grease Lubrication - T Seal	1600 rpm
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Grease Lubrication - B/C/O Seal	900 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0030 in 0.076 mm
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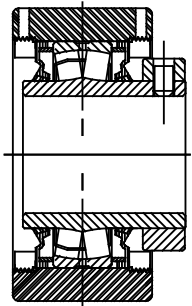
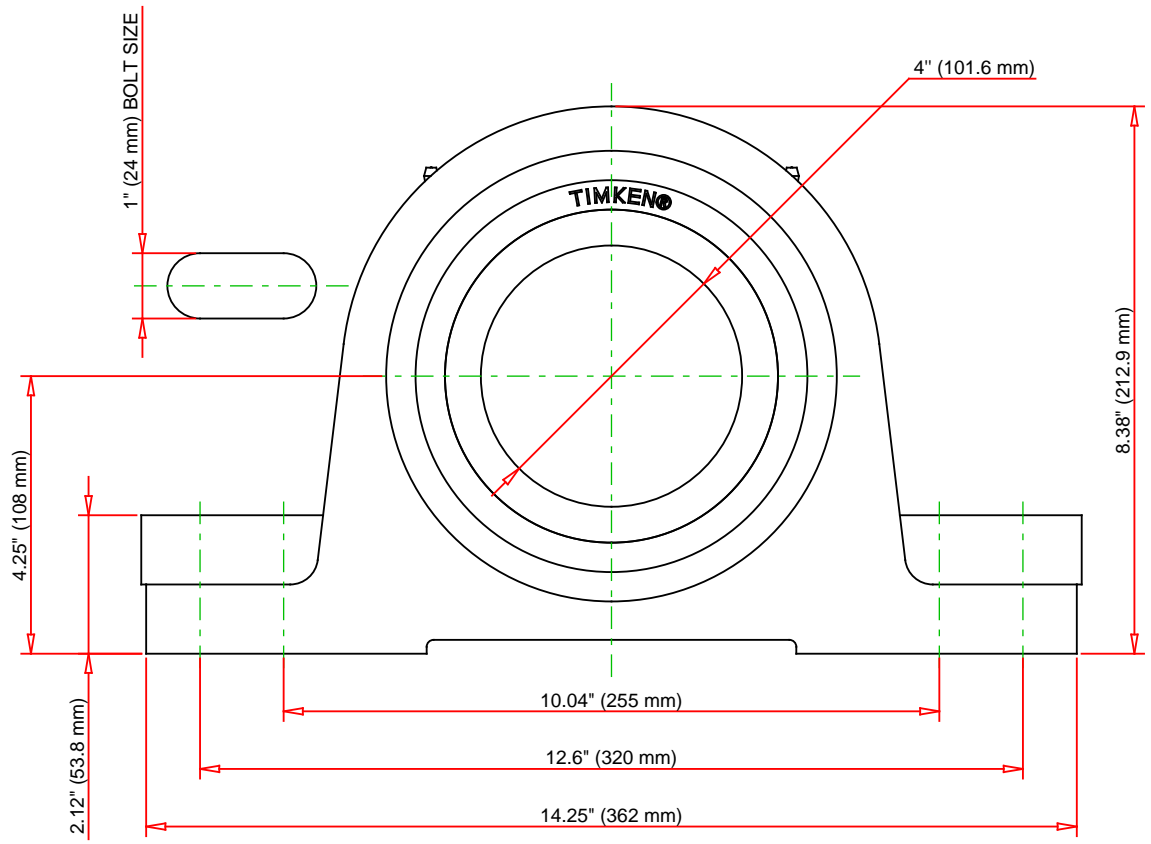
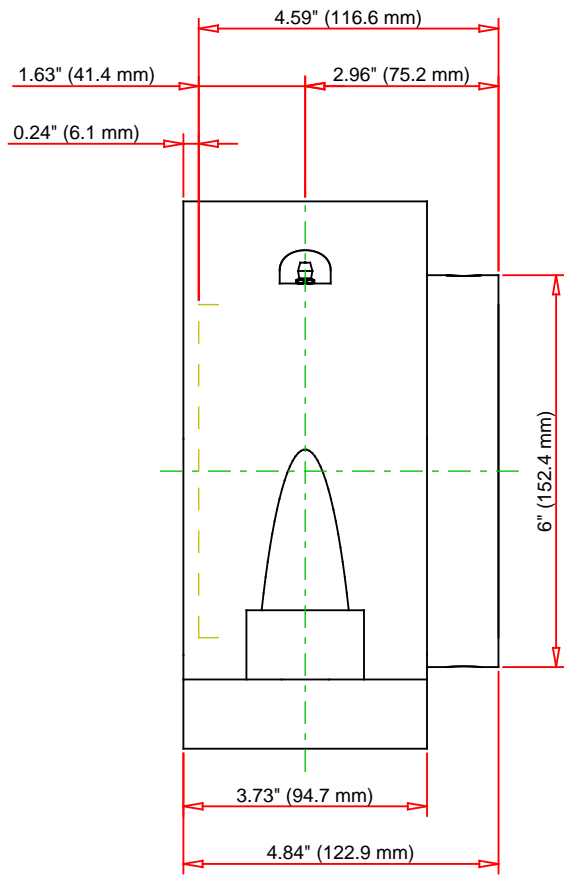
Engineering Internal Radial Clearance

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	0.0030 in 0.075 mm
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Pre Install Clearance Max	0.0047 in 0.120 mm
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Note: Section View not to Scale

C - Dynamic Load	97700	lbf	435000	N
C0 - Static Load	113000	lbf	502000	N
Weight	59	lb	26.8	kg
Max. Speed T-Seals & Grease	1600	rpm		
Rad. Clearance - Max.	0.0047			

TIMKEN
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NORTH CANTON, OHIO USA

QMPL20J400S
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.

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