



The Timken Company

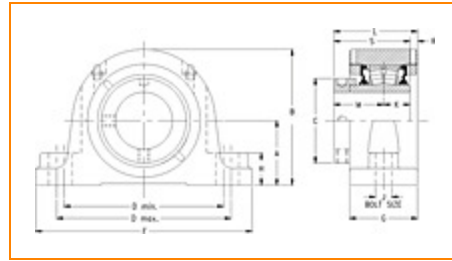
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Part Number QMP18J307S, Eccentric Two-Bolt Pillow Block



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

Specifications

Engineering Group Mounted Bearing

Bearing Number 22218

Shaft Size 3 7/16 in

Shaft Size Type Imperial

Full Timken Part Number

- QMP18J307SB
- QMP18J307SC
- QMP18J307SEB
- QMP18J307SEC
- QMP18J307SEM
- QMP18J307SEN
- QMP18J307SEO
- QMP18J307SET
- QMP18J307SM
- QMP18J307SN
- QMP18J307SO
- QMP18J307ST



Locking Style	Eccentric
Housing Construction	Two-Bolt Pillow Block
UPC Code	0883450082525 0883450082532 0883450082556 0883450082563 0883450082570 0883450082587 0883450082594 0883450082600 0883450154529 0883450154864 0883450249492 0883450249836

Dimensions

Dimension A	3-3/4 in 95.3 mm
Dimension B	7.69 in 195.3 mm
Dimension C	4.76 in 120.9 mm
Dimension D Min	9.38 in 238.3 mm
Dimension D Max	11.25 in 285.8 mm
Dimension F	13-1/2 in 342.9 mm
Dimension G	3.41 in 86.6 mm
Dimension H	1.88 in 47.8 mm

Dimension J (Bolt Size)	0.875 in 24 mm
Dimension K	1.44 in 36.6 mm
Dimension L	4.3 in 109.2 mm
Dimension M	2.59 in 65.8 mm
Dimension R	0.28 in 7.1 mm
Dimension S	4.03 in 102.4 mm

Radial and Thrust Factors

C0 - Static Load	87200 lbf 388000 N
C - Dynamic Load (Basic)	79700 lbf 355000 N
e - Geometry Factor	0.23
Y1 - Geometry Factor	2.90
Y2 - Geometry Factor	4.31

Engineering Seal Speed

Oil Lubrication - M/N Seal	1400 rpm
Oil Lubrication - T Seal	2400 rpm
Oil Lubrication - B/C/O Seal	1000 rpm
Grease Lubrication - M/N Seal	1400 rpm

Grease Lubrication - T Seal	2000 rpm
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Grease Lubrication - B/C/O Seal	1000 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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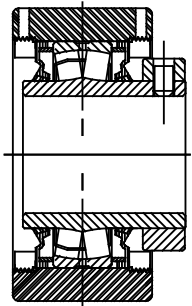
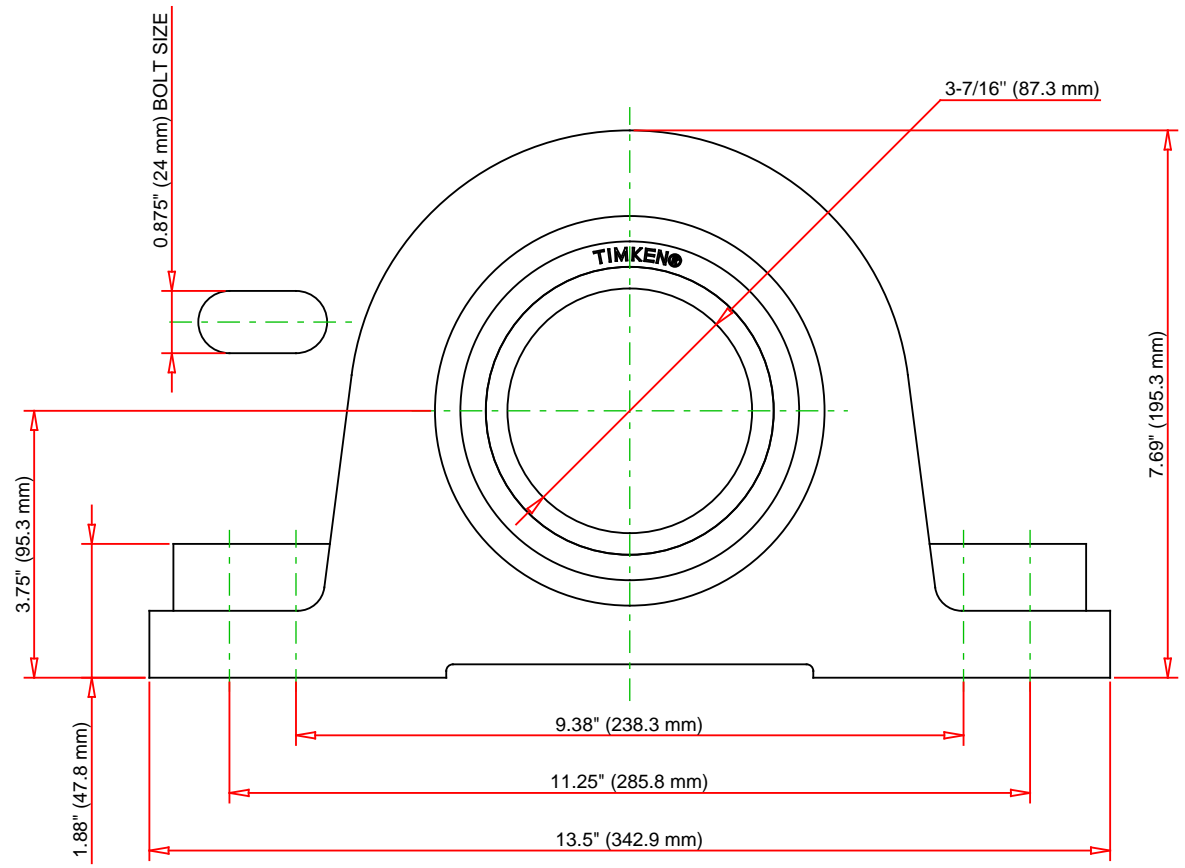
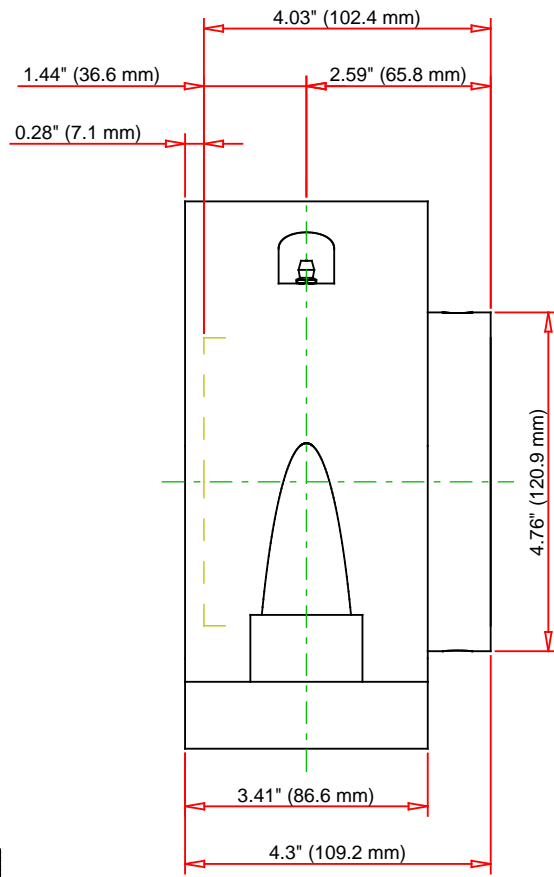
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0024
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Eng Internal Radial Clearance - Max	0.0039
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Pre Install Clearance Min	0.0024 in 0.060 mm
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Pre Install Clearance Max	0.0039 in 0.100 mm
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Note: Section View not to Scale

C - Dynamic Load	79700	lbf	355000	N
C0 - Static Load	87200	lbf	388000	N
Weight	45	lb	20.4	kg
Max. Speed T-Seals & Grease	2000	rpm		
Rad. Clearance - Max.	0.0039			

TIMKEN

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NORTH CANTON, OHIO USA

QMP18J307S
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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