


The Timken Company

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Part Number QMSN22J407S, Eccentric Two-Bolt Pillow Block



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Specifications

Engineering Group	Mounted Bearing
Bearing Number	22222
Shaft Size	4 7/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QMSN22J407SB QMSN22J407SC QMSN22J407SEB QMSN22J407SEC QMSN22J407SEM QMSN22J407SEN QMSN22J407SEO QMSN22J407SET QMSN22J407SM QMSN22J407SN QMSN22J407SO QMSN22J407ST



Locking Style	Eccentric
Housing Construction	Two-Bolt Pillow Block
UPC Code	0883450099325 0883450099332 0883450099356 0883450099363 0883450099370 0883450099394 0883450253772 0883450254168 0883450356787 0883450356794 0883450356800 0883450356817

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
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Dimension K	1.85 in 47 mm
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Dimension L	5.79 in 147 mm
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Dimension M	3.7 in 94 mm
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Dimension R	0.24 in 6 mm
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Dimension S	5.55 in 141 mm
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Radial and Thrust Factors

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

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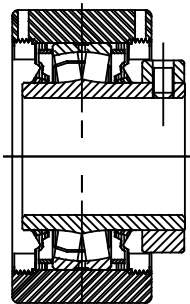
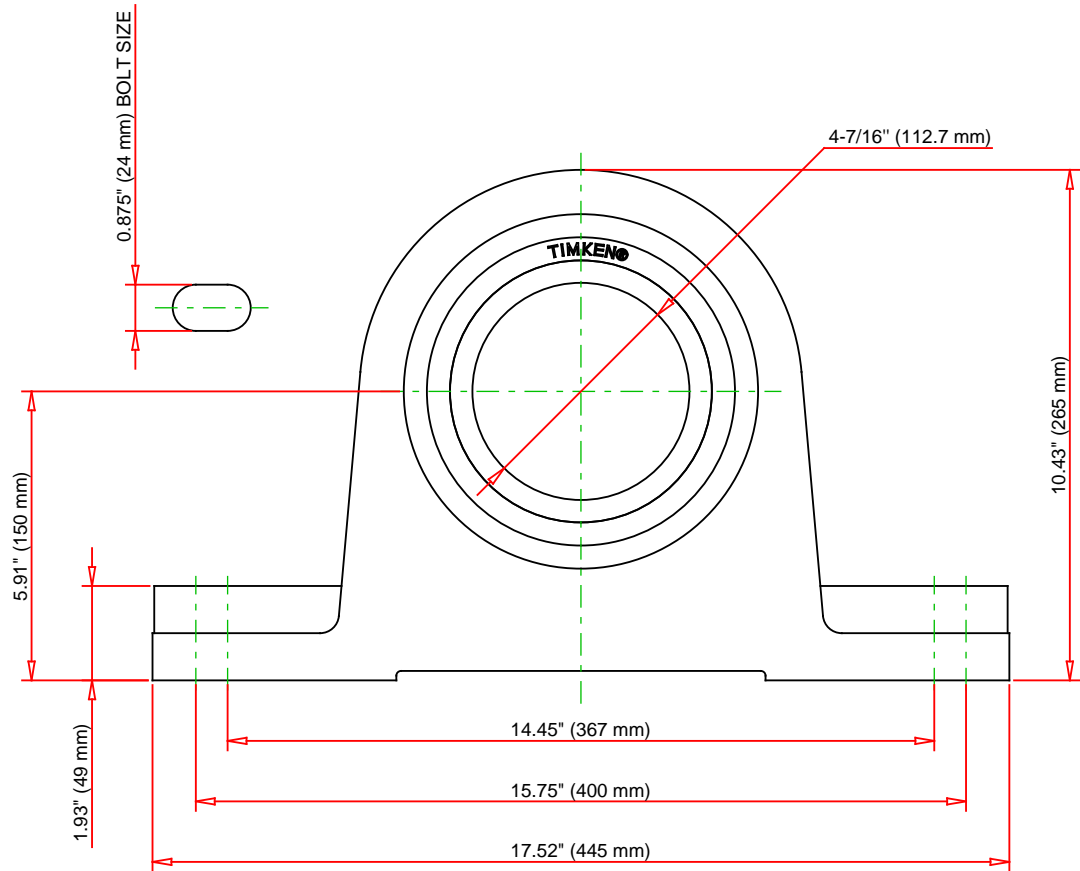
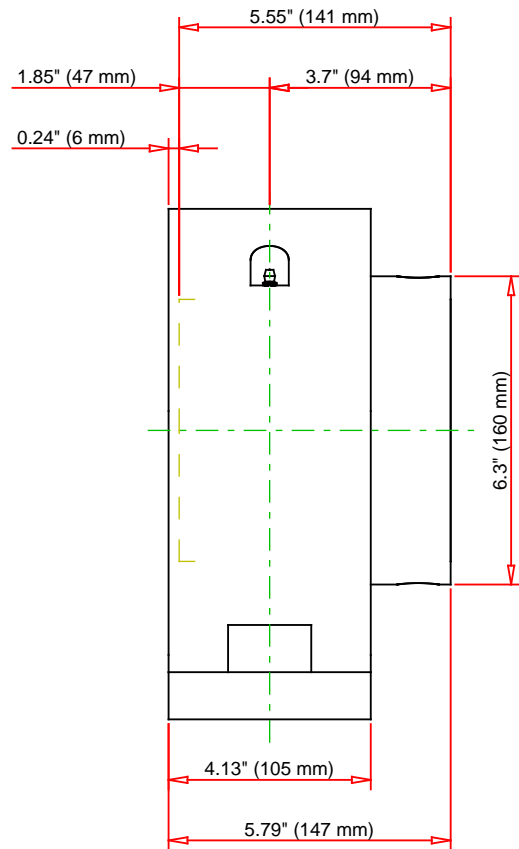
Engineering Internal Radial Clearance

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	0.0030 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	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

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NORTH CANTON, OHIO USA

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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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