



**The Timken Company**

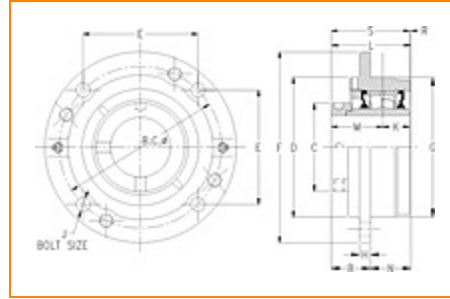
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## Part Number QMCW08J107S, Eccentric Piloted Flange Cartridge



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### Specifications

**Engineering Group** Mounted Bearing

**Bearing Number** 22208

**Shaft Size** 1 7/16 in

**Shaft Size Type** Imperial

**Full Timken Part Number**

- QMCW08J107SB
- QMCW08J107SC
- QMCW08J107SEB
- QMCW08J107SEC
- QMCW08J107SEM
- QMCW08J107SEN
- QMCW08J107SEO
- QMCW08J107SET
- QMCW08J107SM
- QMCW08J107SN
- QMCW08J107SO
- QMCW08J107ST



<b>Locking Style</b>	Eccentric
<b>Housing Construction</b>	Piloted Flange Cartridge
<b>UPC Code</b>	0883450061421 0883450061438 0883450061452 0883450061469 0883450061476 0883450061483 0883450061490 0883450061506 0883450166386 0883450167109 0883450258524 0883450259064

## Dimensions

<b>Dimension BC</b>	4.38 in 111.3 mm
<b>Dimension B Exp</b>	1.61 in 40.9 mm
<b>Dimension B Fix</b>	1.53 in 38.9 mm
<b>Dimension C</b>	2.36 in 59.9 mm
<b>Dimension D</b>	3.63 in 92.2 mm
<b>Dimension E</b>	3.09 in 78.5 mm
<b>Dimension F</b>	5 1/4 in 133.4 mm
<b>Dimension G</b>	3.625 in 92.1 mm

<b>Dimension H</b>	0.5 in 12.7 mm
<b>Dimension J (Bolt Size)</b>	0.438 in 10 mm
<b>Dimension K</b>	1 in 25.4 mm
<b>Dimension L Exp</b>	2.98 in 75.7 mm
<b>Dimension L Fix</b>	2.9 in 73.7 mm
<b>Dimension M</b>	1.75 in 44.5 mm
<b>Dimension N</b>	1.38 in 35.1 mm
<b>Dimension R</b>	0.15 in 3.8 mm
<b>Dimension S</b>	2.75 in 69.9 mm

## Radial and Thrust Factors

<b>C0 - Static Load</b>	22400 lbf 99700 N
<b>C - Dynamic Load (Basic)</b>	23400 lbf 104000 N
<b>e - Geometry Factor</b>	0.27
<b>Y1 - Geometry Factor</b>	2.47
<b>Y2 - Geometry Factor</b>	3.67

## Engineering Seal Speed

<b>Oil Lubrication - M/N Seal</b>	2700 rpm
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<b>Oil Lubrication - T Seal</b>	4500 rpm
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<b>Oil Lubrication - B/C/O Seal</b>	1950 rpm
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<b>Grease Lubrication - M/N Seal</b>	2700 rpm
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<b>Grease Lubrication - T Seal</b>	4000 rpm
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<b>Grease Lubrication - B/C/O Seal</b>	1950 rpm
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## Engineering Bearing Attributes

<b>Float</b>	0.050 in 1.270 mm
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<b>Shaft Tolerance</b>	0.0010 in 0.025 mm
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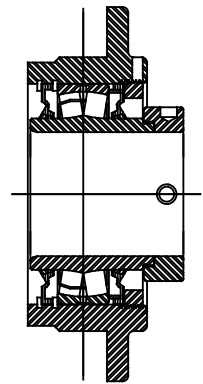
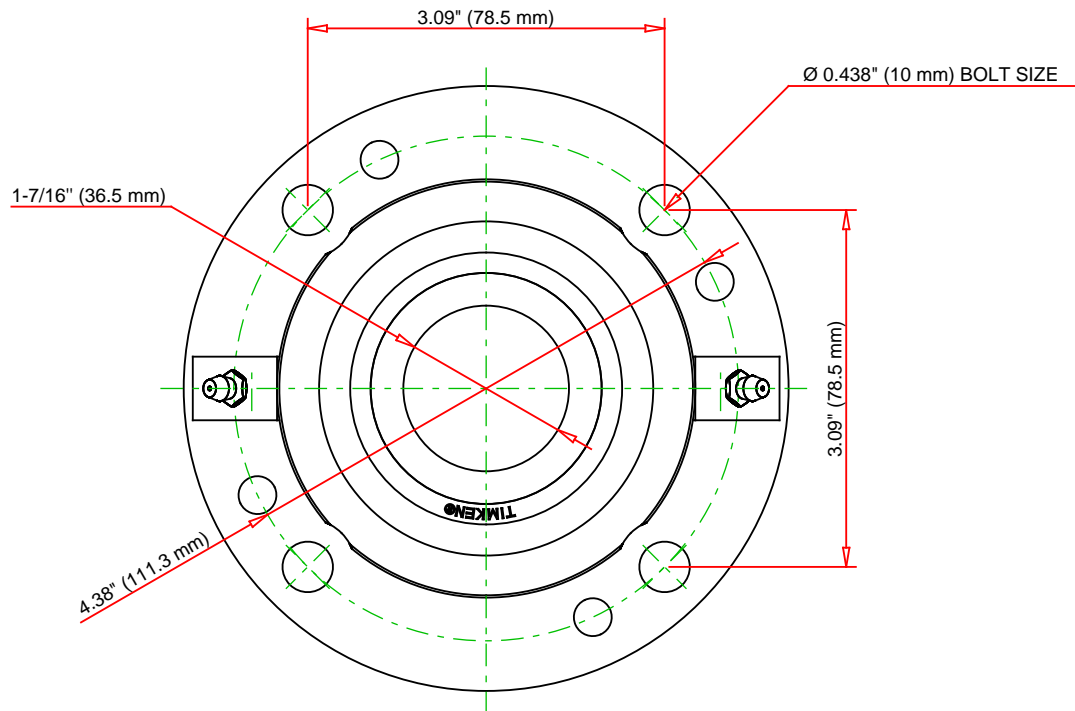
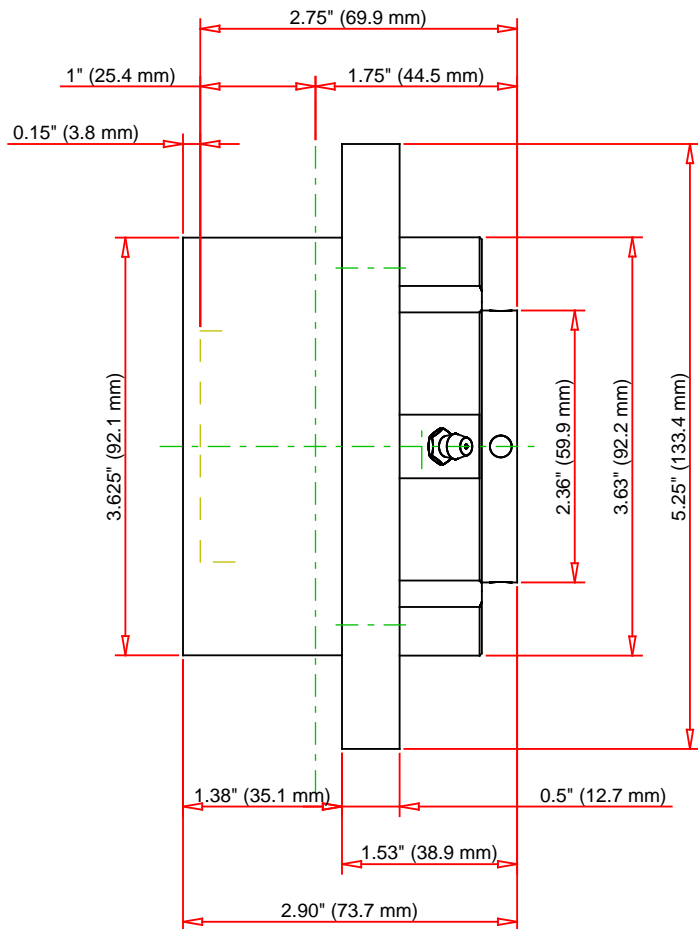
## Engineering Internal Radial Clearance

<b>Eng Internal Radial Clearance - Min</b>	0.0012
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<b>Eng Internal Radial Clearance - Max</b>	0.0018
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<b>Pre Install Clearance Min</b>	0.0012 in 0.030 mm
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<b>Pre Install Clearance Max</b>	0.0018 in 0.045 mm
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Note: Section View not to Scale

C - Dynamic Load	23400	lbf	104000	N
C0 - Static Load	22400	lbf	99700	N
Weight	8	lb	3.6	kg
Max. Speed T-Seals & Grease	4000	rpm		
Rad. Clearance - Max.	0.0018			

**TIMKEN**

THE TIMKEN COMPANY  
NORTH CANTON, OHIO USA

**QMCW08J107S**  
Eccentric Piloted Flange Cartridge

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**FOR DISCUSSION ONLY**