



The Timken Company

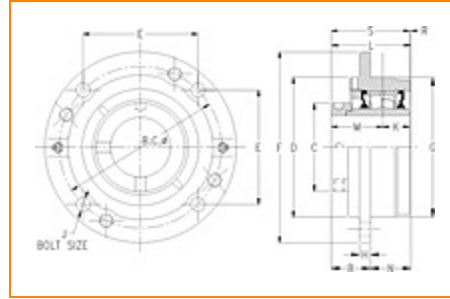
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Part Number QMCW08J108S, Eccentric Piloted Flange Cartridge



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22208

Shaft Size 1 1/2 in

Shaft Size Type Imperial

Full Timken Part Number

- QMCW08J108SB
- QMCW08J108SC
- QMCW08J108SEB
- QMCW08J108SEC
- QMCW08J108SEM
- QMCW08J108SEN
- QMCW08J108SEO
- QMCW08J108SET
- QMCW08J108SM
- QMCW08J108SN
- QMCW08J108SO
- QMCW08J108ST
- QMCW08J108STHT



Locking Style	Eccentric
Housing Construction	Piloted Flange Cartridge
UPC Code	0883450061520 0883450061537 0883450061551 0883450061568 0883450061575 0883450061582 0883450061599 0883450061605 0883450166393 0883450167116 0883450258531 0883450259071 0883450502009

Dimensions

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

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

Radial and Thrust Factors

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

Engineering Seal Speed

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

Float	0.050 in 1.270 mm
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Shaft Tolerance	0.0010 in 0.025 mm
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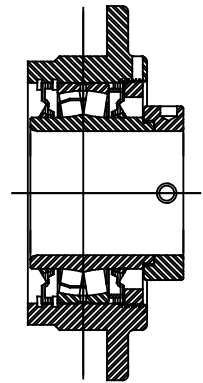
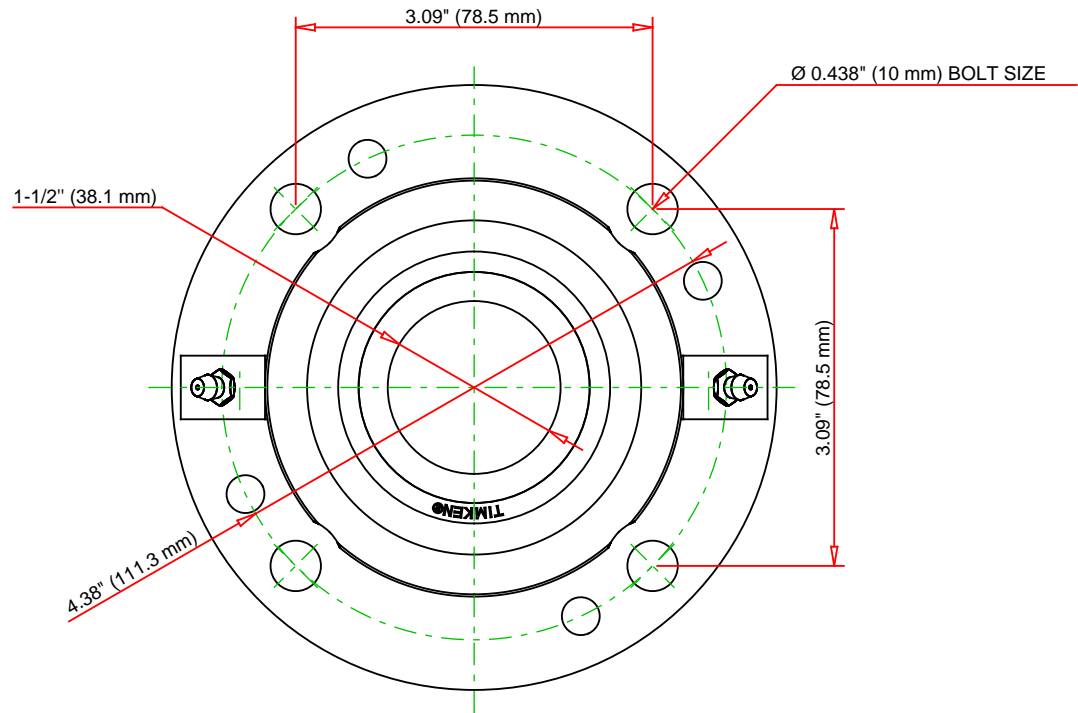
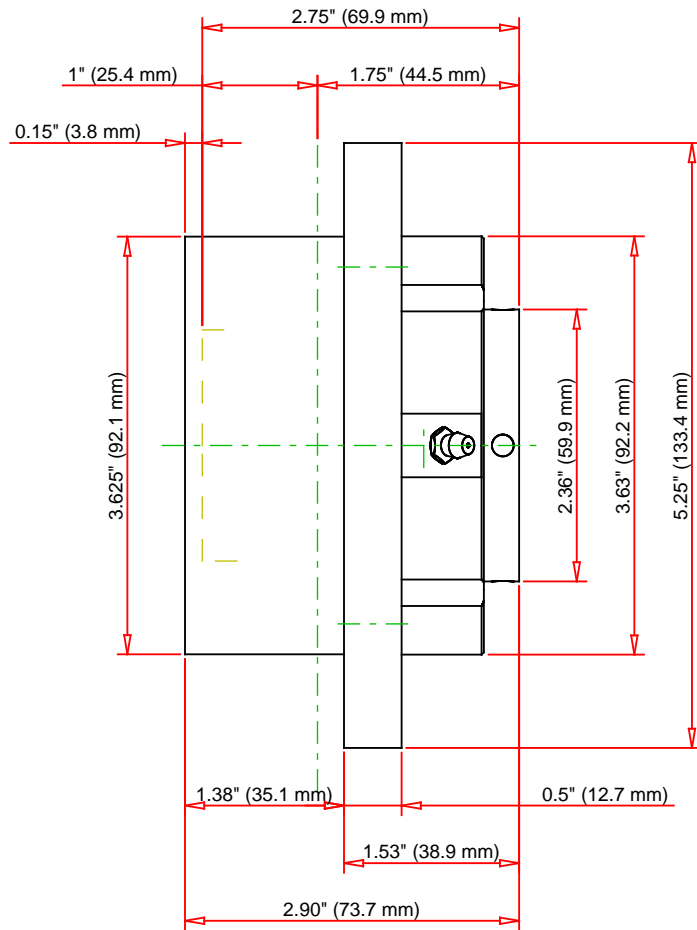
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0012
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Eng Internal Radial Clearance - Max	0.0018
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Pre Install Clearance Min	0.0012 in 0.030 mm
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Pre Install Clearance Max	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

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NORTH CANTON, OHIO USA

QMCW08J108S
Eccentric Piloted Flange Cartridge

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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