


The Timken Company

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Part Number QACW08A107S, Single Concentric 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

- QACW08A107SB
- QACW08A107SC
- QACW08A107SEB
- QACW08A107SEC
- QACW08A107SEM
- QACW08A107SEN
- QACW08A107SEO
- QACW08A107SET
- QACW08A107SM
- QACW08A107SN
- QACW08A107SO
- QACW08A107ST



Locking Style	Single Concentric
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Housing Construction	Piloted Flange Cartridge
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UPC Code	883450401418
	883450401425
	883450401432
	883450401449
	883450401456
	883450401463
	883450401470
	883450401487
	883450401494
	883450401500
883450401517	
883450401524	

Dimensions

Dimension BC	4.38 in 111.3 mm
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Dimension B Exp	1.58 in 40.1 mm
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Dimension B Fix	1.53 in 38.9 mm
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Dimension C	2.38 in 60.5 mm
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Dimension D	3.63 in 92.2 mm
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Dimension E	3.09 in 78.5 mm
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Dimension F	5 1/4 in 133.4 mm
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Dimension G	3.625 in 92.1 mm
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Dimension H	0.5 in 12.7 mm
Dimension J (Bolt Size)	0.438 in 10 mm
Dimension KA	1 in 25.4 mm
Dimension L Exp	2.95 in 74.9 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 RA	0.15 in 3.8 mm
Dimension SA	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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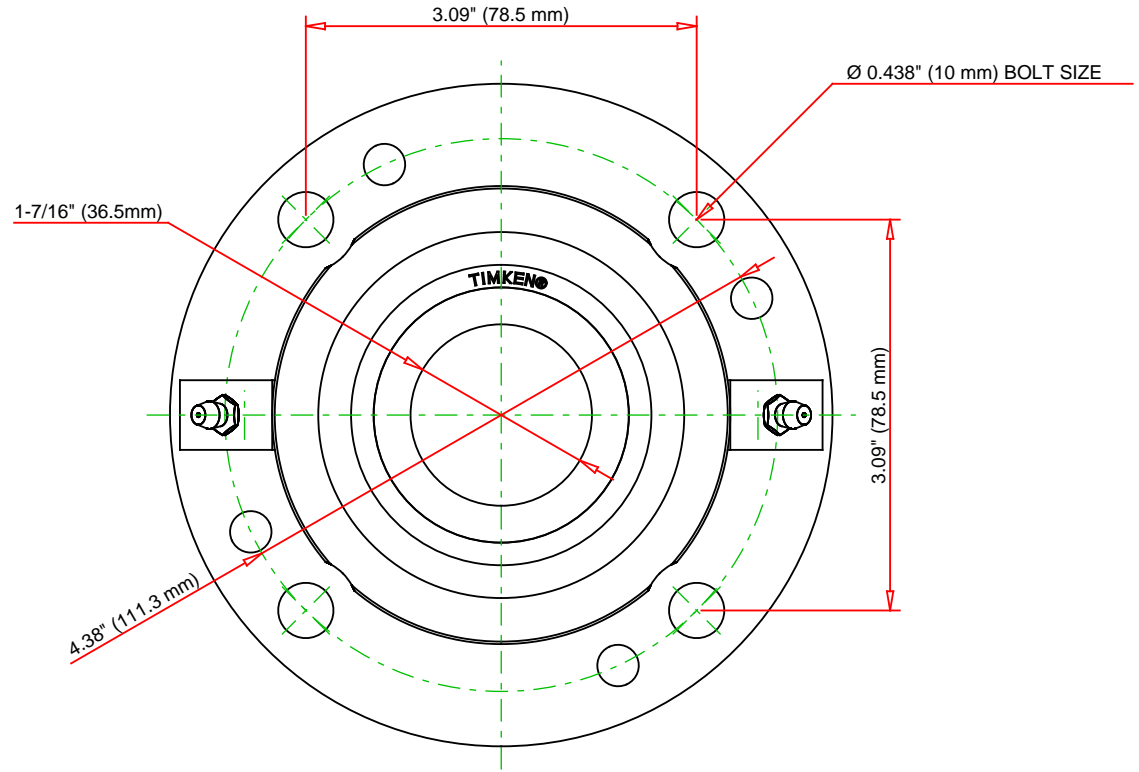
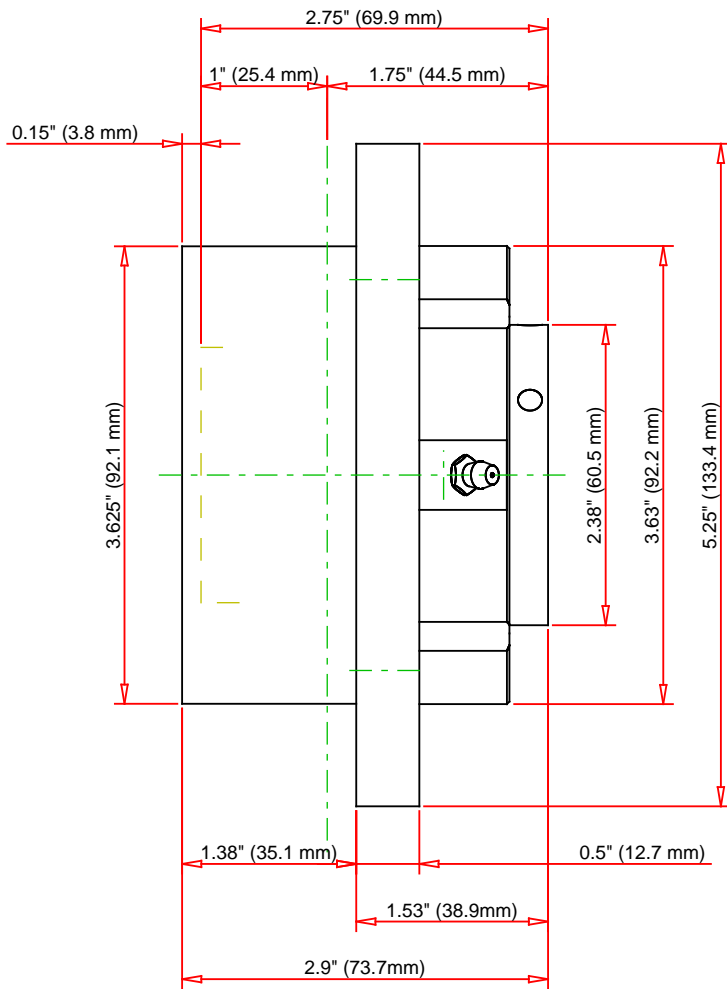
Engineering Internal Radial Clearance

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

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QACW08A107S

Single Concentric 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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