


The Timken Company

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Part Number QACW08A108S, Single Concentric 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	QACW08A108SB QACW08A108SC QACW08A108SEB QACW08A108SEC QACW08A108SEM QACW08A108SEN QACW08A108SEO QACW08A108SET QACW08A108SM QACW08A108SN QACW08A108SO QACW08A108ST



Locking Style	Single Concentric
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Housing Construction	Piloted Flange Cartridge
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UPC Code	883450401531
	883450401548
	883450401555
	883450401562
	883450401579
	883450401586
	883450401593
	883450401609
	883450401616
	883450401623
883450401630	
883450401647	

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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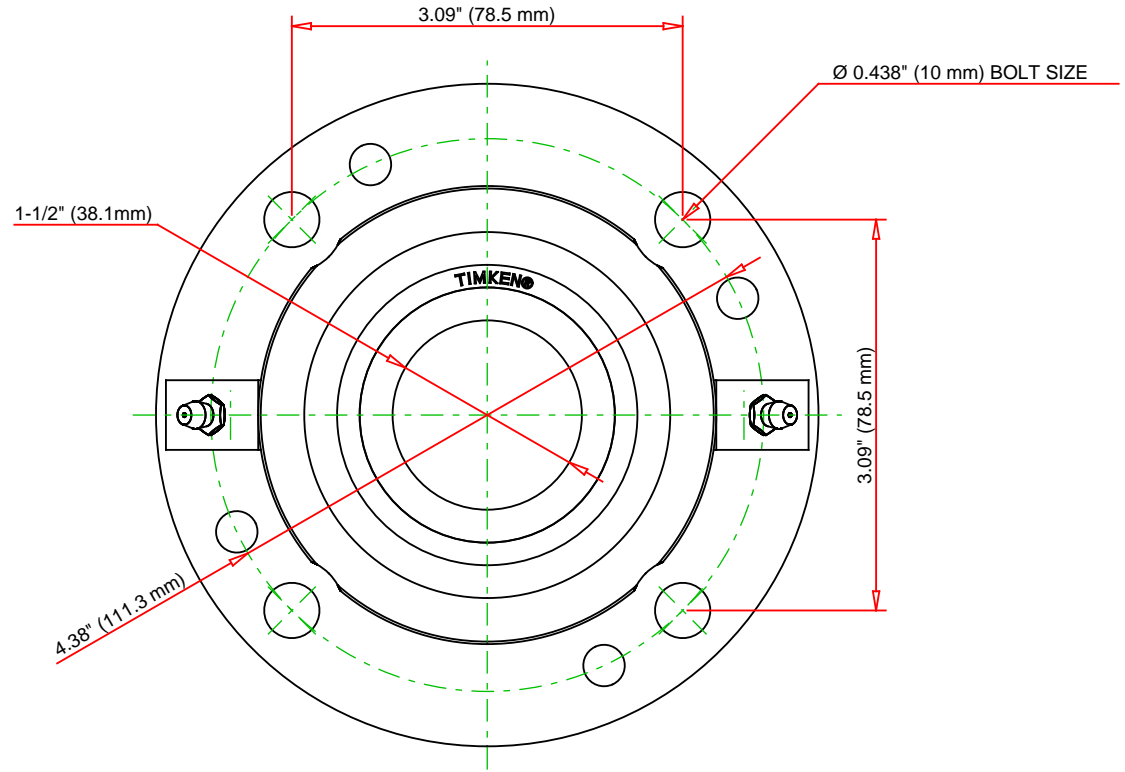
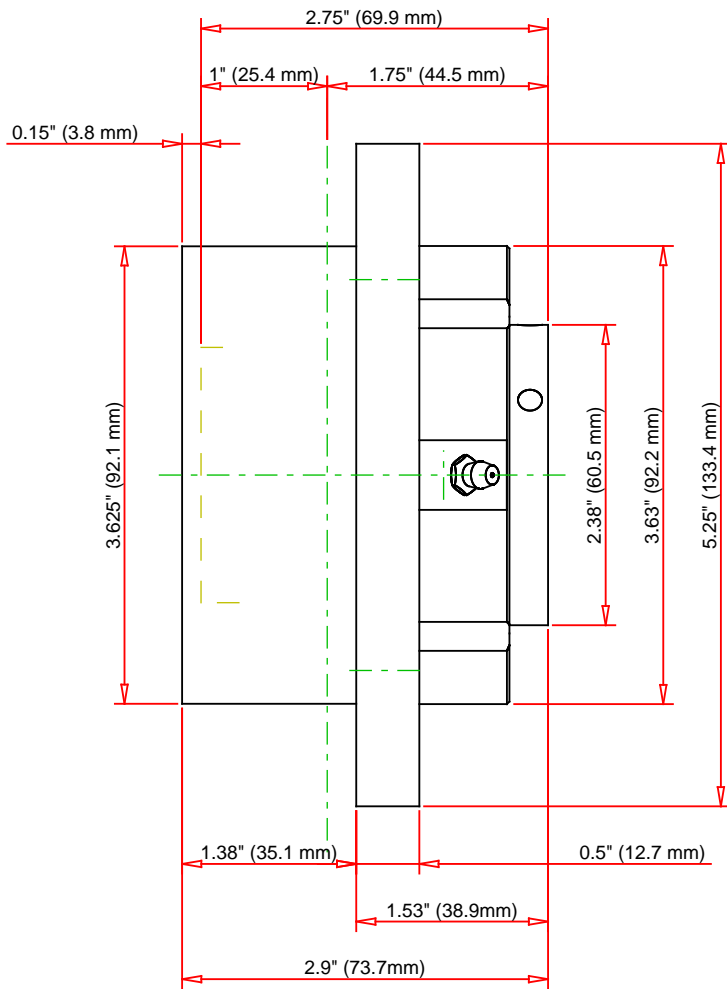
Engineering Internal Radial Clearance

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

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NORTH CANTON, OHIO USA

QACW08A108S

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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