


**The Timken Company**

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## Part Number QAFY08A108S, Single Concentric Round Flange Block



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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**

- QAFY08A108SB
- QAFY08A108SC
- QAFY08A108SEB
- QAFY08A108SEC
- QAFY08A108SEM
- QAFY08A108SEN
- QAFY08A108SEO
- QAFY08A108SET
- QAFY08A108SM
- QAFY08A108SN
- QAFY08A108SO
- QAFY08A108ST



<b>Locking Style</b>	Single Concentric
<b>Housing Construction</b>	Round Flange
<b>UPC Code</b>	883450402972 883450402989 883450402996 883450403009 883450403016 883450403023 883450403030 883450403047 883450403054 883450403061 883450403078 883450403085

## Dimensions

<b>Dimension BC</b>	5 in 127 mm
<b>Dimension C</b>	2.38 in 60.5 mm
<b>Dimension D</b>	4.25 in 108 mm
<b>Dimension E</b>	4.33 in 110 mm
<b>Dimension F</b>	6.25 in 158.8 mm
<b>Dimension H</b>	0.75 in 19.1 mm
<b>Dimension J (Bolt Size)</b>	0.5 in 12 mm
<b>Dimension KA</b>	1 in 25.4 mm

<b>Dimension L Exp</b>	2.96 in 75.2 mm
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<b>Dimension L Fix</b>	2.88 in 73.2 mm
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<b>Dimension M</b>	1.75 in 44.5 mm
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<b>Dimension N</b>	2.26 in 57.4 mm
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<b>Dimension RA</b>	0.13 in 3.3 mm
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<b>Dimension SA</b>	2.75 in 69.9 mm
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## Radial and Thrust Factors

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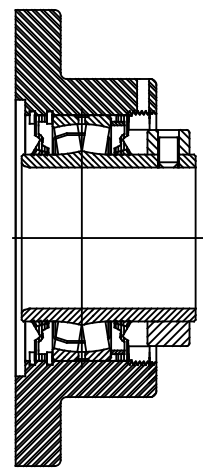
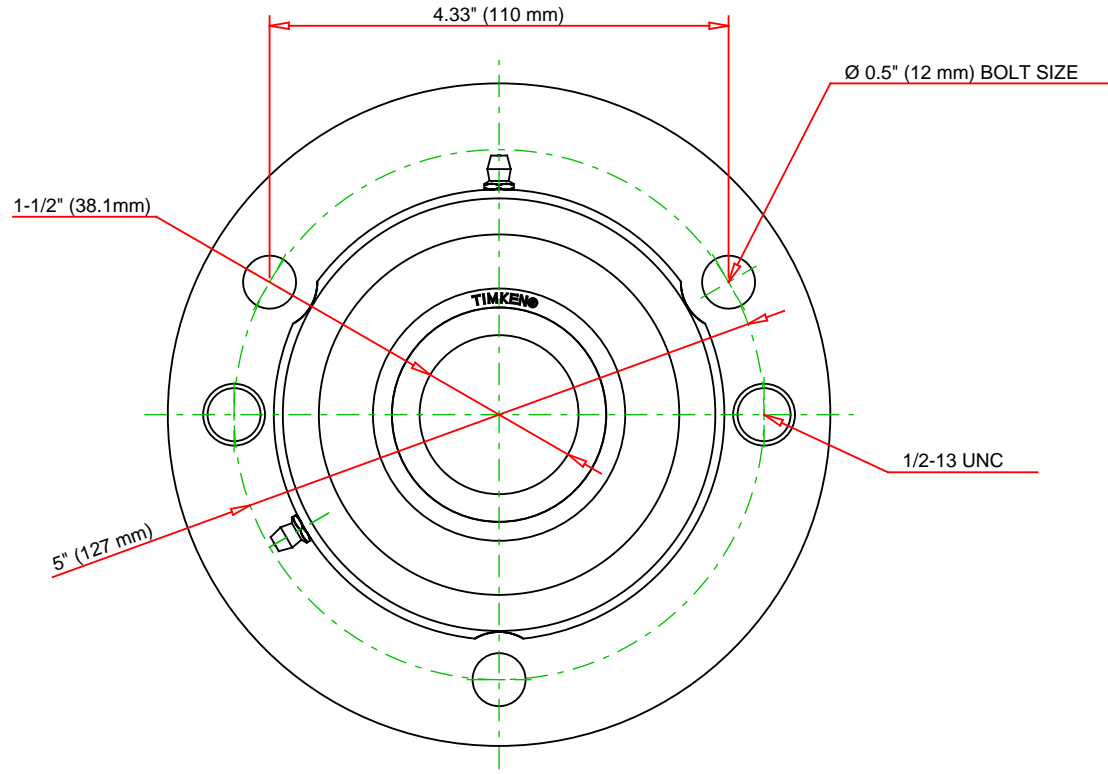
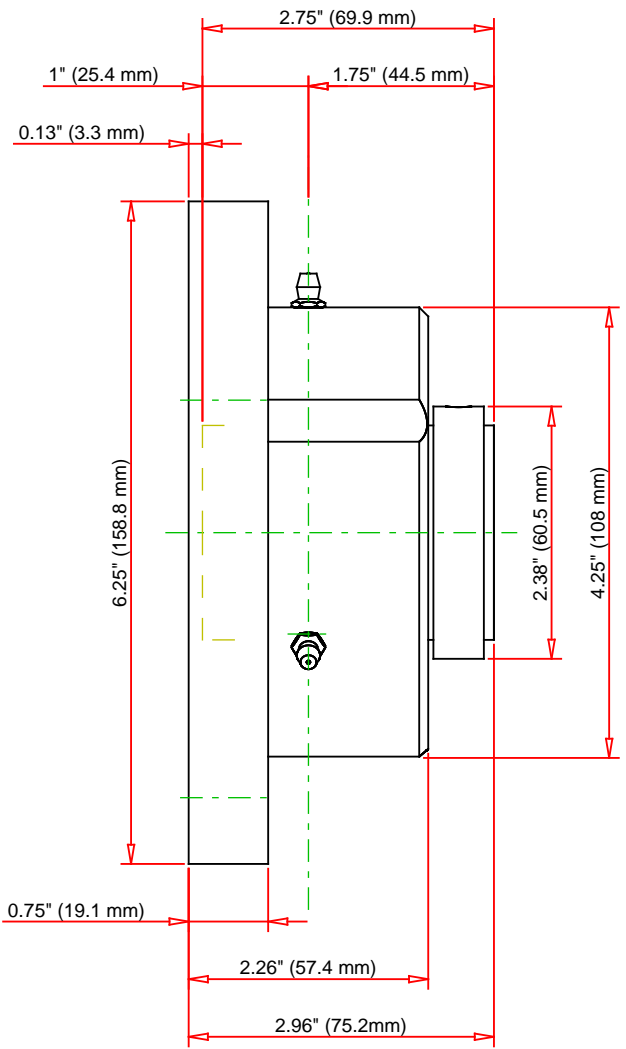
### Engineering Internal Radial Clearance

<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	10	lb	4.5	kg
Max. Speed T-Seals & Grease	4000	rpm		
Rad. Clearance - Max.	0.0018			

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 NORTH CANTON, OHIO USA

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 Single Concentric Round Flange Block

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**FOR DISCUSSION ONLY**