



**The Timken Company**

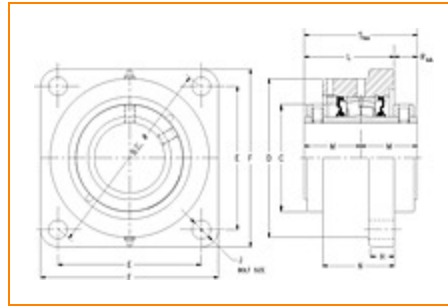
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## Part Number QAAF13A207S, Double Concentric Four Bolt Square Flange Block



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### Specifications

**Engineering Group** Mounted Bearing

**Bearing Number** 22213

**Shaft Size** 2 7/16 in

**Shaft Size Type** Imperial

**Full Timken Part Number**

- QAAF13A207SB
- QAAF13A207SC
- QAAF13A207SEB
- QAAF13A207SEC
- QAAF13A207SEM
- QAAF13A207SEN
- QAAF13A207SEO
- QAAF13A207SET
- QAAF13A207SM
- QAAF13A207SN
- QAAF13A207SNNG



QAAFX13A207SO  
QAAFX13A207ST

**Locking Style** Double Concentric

**Housing Construction** Four-Bolt Square Flange

**UPC Code**

0883450135337  
0883450135344  
0883450135351  
0883450135368  
0883450135375  
0883450135382  
0883450135399  
0883450135405  
0883450192811  
0883450193009  
0883450270014  
0883450270199  
0883450493567

## Dimensions

**Dimension BC**

7.12 in  
180.8 mm

**Dimension C**

4 in  
101.6 mm

**Dimension D**

5.75 in  
146.1 mm

**Dimension E**

5.03 in  
127.8 mm

**Dimension F**

6.19 in  
157.2 mm

**Dimension H**

1 in  
25.4 mm

**Dimension J (Bolt Size)**

0.625 in  
16 mm

<b>Dimension L Exp</b>	3.59 in 91.2 mm
<b>Dimension L Fix</b>	3.51 in 89.2 mm
<b>Dimension M</b>	2.15 in 54.6 mm
<b>Dimension N</b>	2.85 in 72.4 mm
<b>Dimension RAA</b>	0.77 in 19.6 mm
<b>Dimension SAA</b>	4.3 in 109.2 mm

### Radial and Thrust Factors

<b>C0 - Static Load</b>	48600 lbf 216000 N
<b>C - Dynamic Load (Basic)</b>	46400 lbf 206000 N
<b>e - Geometry Factor</b>	0.25
<b>Y1 - Geometry Factor</b>	2.69
<b>Y2 - Geometry Factor</b>	4.00

### Engineering Seal Speed

<b>Oil Lubrication - M/N Seal</b>	1800 rpm
<b>Oil Lubrication - T Seal</b>	3200 rpm
<b>Oil Lubrication - B/C/O Seal</b>	1500 rpm
<b>Grease Lubrication - M/N Seal</b>	1800 rpm

<b>Grease Lubrication - T Seal</b>	2800 rpm
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<b>Grease Lubrication - B/C/O Seal</b>	1500 rpm
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### Engineering Bearing Attributes

<b>Float</b>	0.083 in 2.108 mm
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<b>Shaft Tolerance</b>	0.0015 in 0.038 mm
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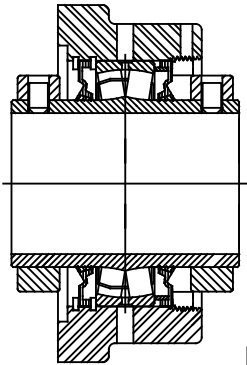
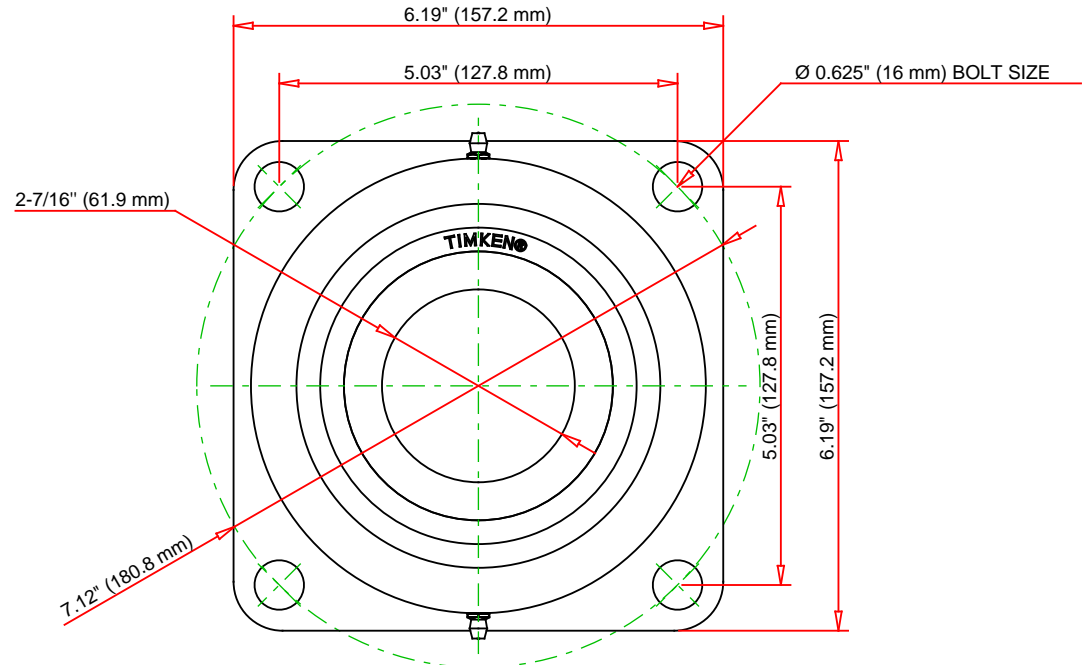
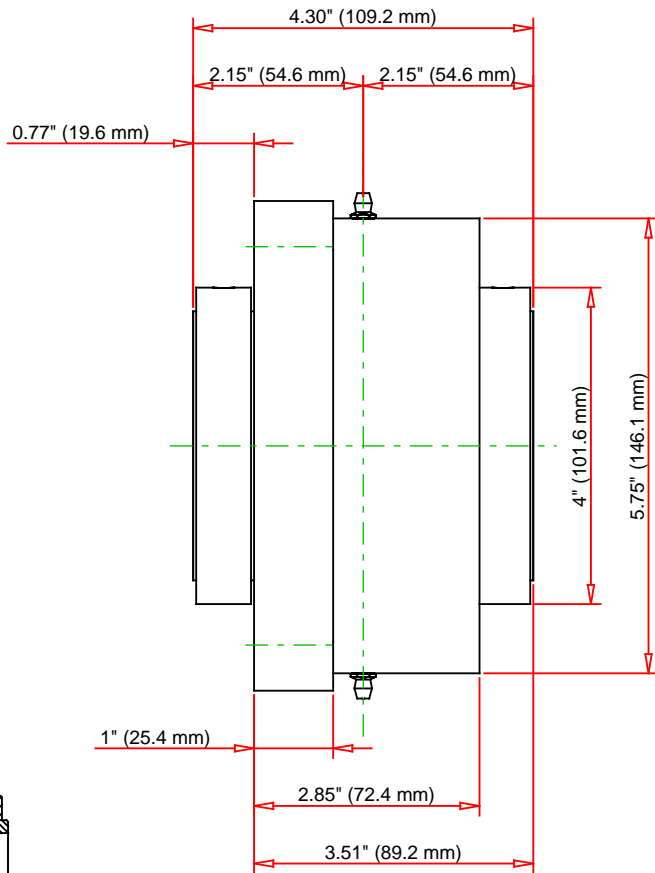
### Engineering Internal Radial Clearance

<b>Eng Internal Radial Clearance - Min</b>	0.0016
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<b>Eng Internal Radial Clearance - Max</b>	0.0026
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<b>Pre Install Clearance Min</b>	0.0016 in 0.040 mm
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<b>Pre Install Clearance Max</b>	0.0026 in 0.065 mm
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Note: Section View not to Scale

C - Dynamic Load	46400	lbf	206000	N
C0 - Static Load	48600	lbf	216000	N
Weight	19	lb	8.6	kg
Max. Speed T-Seals & Grease	2800	rpm		
Rad. Clearance - Max.	0.0026			

**TIMKEN**

THE TIMKEN COMPANY  
NORTH CANTON, OHIO USA

**QAAF13A207S**

Double Concentric Four Bolt Square  
Flange Block

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.

**FOR DISCUSSION ONLY**