



**The Timken Company**

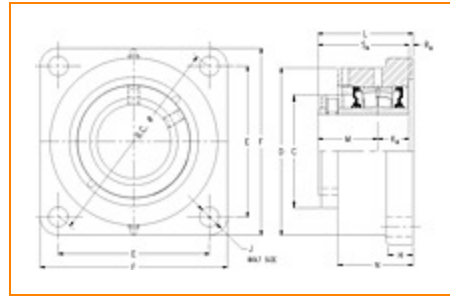
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## Part Number QAFL15A300S, Single Concentric Four Bolt Square Flange Block



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### Specifications

**Engineering Group** Mounted Bearing

**Bearing Number** 22215

**Shaft Size** 3 in

**Shaft Size Type** Imperial

**Full Timken Part Number**

- QAFL15A300SB
- QAFL15A300SC
- QAFL15A300SEB
- QAFL15A300SEC
- QAFL15A300SEM
- QAFL15A300SEN
- QAFL15A300SEO
- QAFL15A300SET
- QAFL15A300SM
- QAFL15A300SN
- QAFL15A300SO



QAFL15A300ST

**Locking Style** Single Concentric

**Housing Construction** Four-Bolt Square Flange

**UPC Code**

0883450040402  
0883450040419  
0883450040433  
0883450040440  
0883450040457  
0883450040464  
0883450040471  
0883450040488  
0883450191371  
0883450191531  
0883450268738  
0883450268899

## Dimensions

**Dimension BC** 7.88 in  
200.2 mm

**Dimension C** 4.5 in  
114.3 mm

**Dimension D** 6.63 in  
168.4 mm

**Dimension E** 5.56 in  
141.2 mm

**Dimension F** 7.19 in  
182.6 mm

**Dimension H** 1.06 in  
26.9 mm

**Dimension J (Bolt Size)** 0.75 in  
20 mm

**Dimension KA** 1.25 in  
31.8 mm

<b>Dimension L Exp</b>	3.85 in 97.8 mm
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<b>Dimension L Fix</b>	3.77 in 95.8 mm
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<b>Dimension M</b>	2.37 in 60.2 mm
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<b>Dimension N</b>	2.93 in 74.4 mm
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<b>Dimension RA</b>	0.15 in 3.8 mm
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<b>Dimension SA</b>	3.62 in 91.9 mm
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## Radial and Thrust Factors

<b>C0 - Static Load</b>	54100 lbf 240000 N
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<b>C - Dynamic Load (Basic)</b>	49900 lbf 222000 N
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<b>e - Geometry Factor</b>	0.22
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<b>Y1 - Geometry Factor</b>	3.01
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<b>Y2 - Geometry Factor</b>	4.48
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## Engineering Seal Speed

<b>Oil Lubrication - M/N Seal</b>	1600 rpm
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<b>Oil Lubrication - T Seal</b>	2900 rpm
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<b>Oil Lubrication - B/C/O Seal</b>	1300 rpm
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<b>Grease Lubrication - M/N Seal</b>	1600 rpm
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<b>Grease Lubrication - T Seal</b>	2400 rpm
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<b>Grease Lubrication - B/C/O Seal</b>	1300 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>	0.0020 in 0.051 mm
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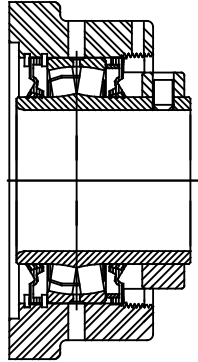
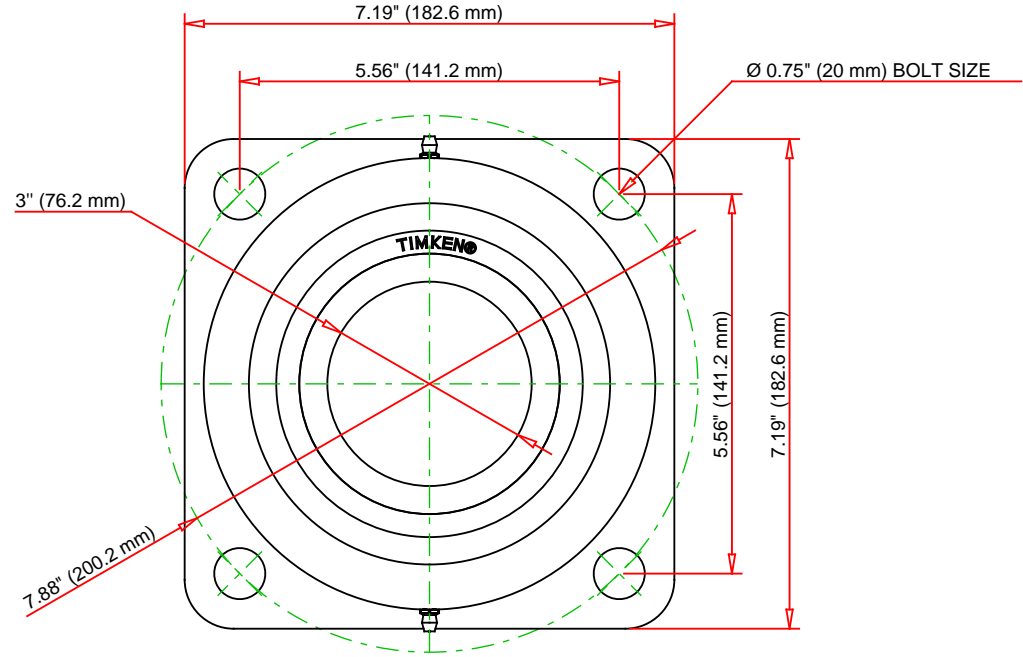
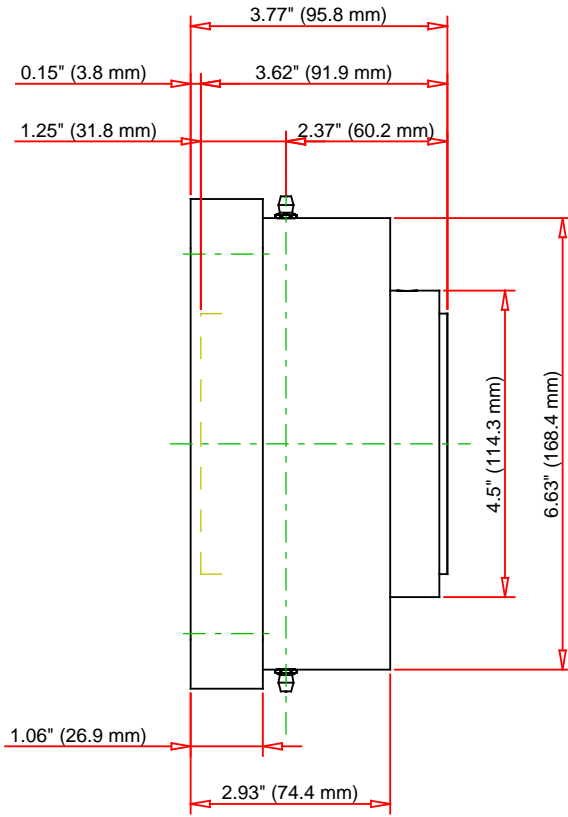
### Engineering Internal Radial Clearance

<b>Eng Internal Radial Clearance - Min</b>	0.002
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<b>Eng Internal Radial Clearance - Max</b>	0.0031
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<b>Pre Install Clearance Min</b>	0.0020 in 0.050 mm
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<b>Pre Install Clearance Max</b>	0.0031 in 0.080 mm
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Note: Section View not to Scale

C - Dynamic Load	49900	lbf	222000	N
C0 - Static Load	54100	lbf	240000	N
Weight	23	lb	10.4	kg
Max. Speed T-Seals & Grease	2400	rpm		
Rad. Clearance - Max.	0.0031			

**TIMKEN**

THE TIMKEN COMPANY  
NORTH CANTON, OHIO USA

**QAFL15A300S**  
Single 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**