



**The Timken Company**

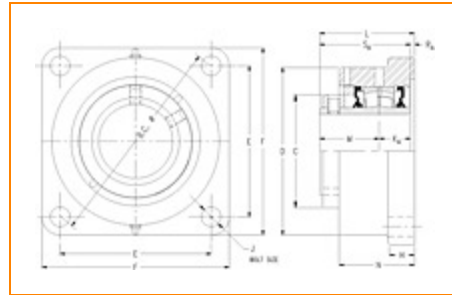
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## Part Number QAF15A215S, Single Concentric Four Bolt Square Flange Block



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### Specifications

**Engineering Group** Mounted Bearing

**Bearing Number** 22215

**Shaft Size** 2 15/16 in

**Shaft Size Type** Imperial

QAF15A215SB  
 QAF15A215SC  
 QAF15A215SEB  
 QAF15A215SEC  
 QAF15A215SEM  
 QAF15A215SEN  
 QAF15A215SEO  
 QAF15A215SET  
 QAF15A215SM  
 QAF15A215SMFG  
 QAF15A215SMNG

**Full Timken Part Number**



QAF15A215SMT  
 QAF15A215SN  
 QAF15A215SNNG  
 QAF15A215SO  
 QAF15A215ST  
 QAF15A215STHT

**Locking Style** Single Concentric

**Housing Construction** Four-Bolt Square Flange

**UPC Code**

0013992131355  
 0883450038706  
 0883450038713  
 0883450038737  
 0883450038744  
 0883450038751  
 0883450038768  
 0883450038775  
 0883450038782  
 0883450190701  
 0883450190862  
 0883450268066  
 0883450268226  
 0883450456777  
 0883450461450  
 0883450953832  
 0883450955898

## Dimensions

**Dimension BC** 8.48 in  
 215.4 mm

**Dimension C** 4.5 in  
 114.3 mm

**Dimension D** 6.65 in  
 168.9 mm

**Dimension E** 6 in  
 152.4 mm

<b>Dimension F</b>	7.44 in 189 mm
<b>Dimension H</b>	1.06 in 26.9 mm
<b>Dimension J (Bolt Size)</b>	0.75 in 20 mm
<b>Dimension KA</b>	1.25 in 31.8 mm
<b>Dimension L Exp</b>	3.85 in 97.8 mm
<b>Dimension L Fix</b>	3.77 in 95.8 mm
<b>Dimension M</b>	2.37 in 60.2 mm
<b>Dimension N</b>	2.84 in 72.1 mm
<b>Dimension RA</b>	0.15 in 3.8 mm
<b>Dimension SA</b>	3.62 in 91.9 mm

## Radial and Thrust Factors

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

## Engineering Seal Speed

<b>Oil Lubrication - M/N Seal</b>	1600 rpm
<b>Oil Lubrication - T Seal</b>	2900 rpm
<b>Oil Lubrication - B/C/O Seal</b>	1300 rpm
<b>Grease Lubrication - M/N Seal</b>	1600 rpm
<b>Grease Lubrication - T Seal</b>	2400 rpm
<b>Grease Lubrication - B/C/O Seal</b>	1300 rpm

## Engineering Bearing Attributes

<b>Float</b>	0.083 in 2.108 mm
<b>Shaft Tolerance</b>	0.0020 in 0.051 mm

## Engineering Internal Radial Clearance

<b>Eng Internal Radial Clearance - Min</b>	0.002
<b>Eng Internal Radial Clearance - Max</b>	0.0031
<b>Pre Install Clearance Min</b>	0.0020 in 0.050 mm
<b>Pre Install Clearance Max</b>	0.0031 in 0.080 mm

