



The Timken Company

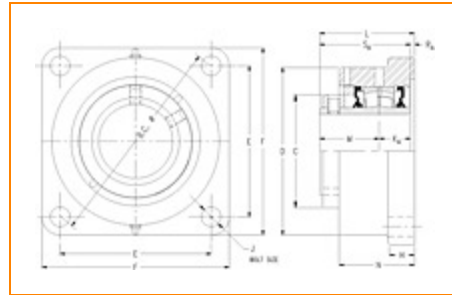
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Part Number QAF15A300S, Single Concentric Four Bolt Square Flange Block



[Specifications](#) | [Dimensions](#) | [Radial and Thrust Factors](#) | [Engineering Seal Speed](#) | [Engineering Bearing Attributes](#) | [Engineering Internal Radial Clearance](#)

Specifications

Engineering Group Mounted Bearing

Bearing Number 22215

Shaft Size 3 in

Shaft Size Type Imperial

Full Timken Part Number

QAF15A300SB
 QAF15A300SC
 QAF15A300SEB
 QAF15A300SEC
 QAF15A300SEM
 QAF15A300SEN
 QAF15A300SEO
 QAF15A300SET
 QAF15A300SM
 QAF15A300SMSLD
 QAF15A300SN



QAF15A300SO
 QAF15A300SONP
 QAF15A300SOXY
 QAF15A300ST

Locking Style Single Concentric

Housing Construction Four-Bolt Square Flange

UPC Code

0883450038805
 0883450038812
 0883450038836
 0883450038843
 0883450038850
 0883450038867
 0883450038874
 0883450038881
 0883450190718
 0883450190879
 0883450268073
 0883450268233
 0883450494380
 0883450494397
 0883450961196

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

Dimension F 7.44 in
 189 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
Dimension L Exp	3.85 in 97.8 mm
Dimension L Fix	3.77 in 95.8 mm
Dimension M	2.37 in 60.2 mm
Dimension N	2.84 in 72.1 mm
Dimension RA	0.15 in 3.8 mm
Dimension SA	3.62 in 91.9 mm

Radial and Thrust Factors

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

Engineering Seal Speed

Oil Lubrication - M/N Seal	1600 rpm
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Oil Lubrication - T Seal	2900 rpm
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Oil Lubrication - B/C/O Seal	1300 rpm
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Grease Lubrication - M/N Seal	1600 rpm
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Grease Lubrication - T Seal	2400 rpm
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Grease Lubrication - B/C/O Seal	1300 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0020 in 0.051 mm
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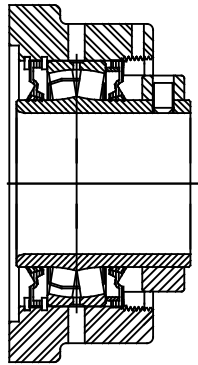
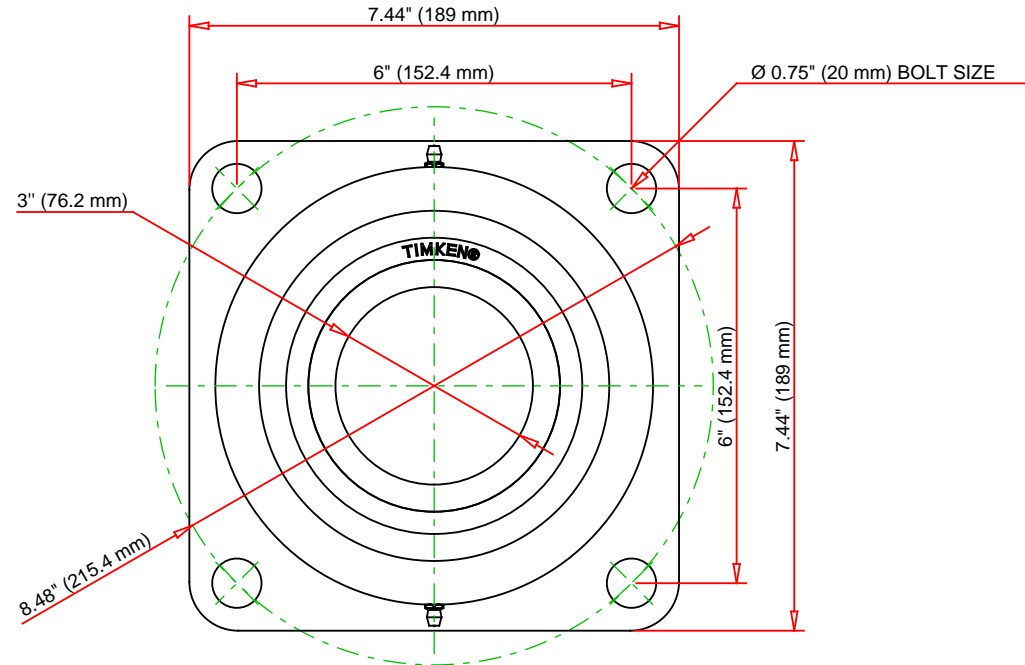
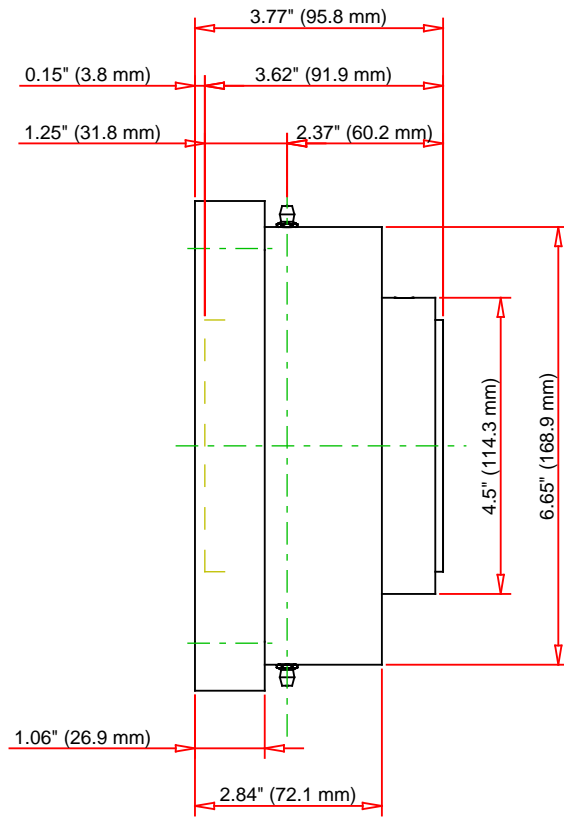
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.002
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Eng Internal Radial Clearance - Max	0.0031
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Pre Install Clearance Min	0.0020 in 0.050 mm
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Pre Install Clearance Max	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

QAF15A300S

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.

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