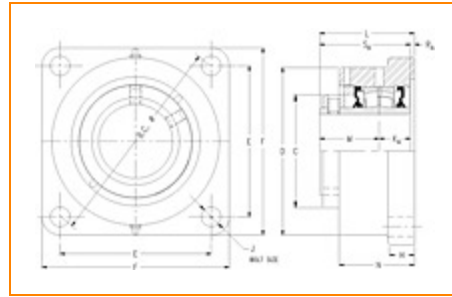


TIMKEN**The Timken Company**

4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000**E-Mail:** CustomerCAD@timken.com • **Web site:** www.timken.com**Part Number QAF18A307S, 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 22218

Shaft Size 3 7/16 in

Shaft Size Type Imperial

Full Timken Part Number

QAF18A307SB
 QAF18A307SC
 QAF18A307SEB
 QAF18A307SEC
 QAF18A307SEM
 QAF18A307SEN
 QAF18A307SEO
 QAF18A307SET
 QAF18A307SM
 QAF18A307SN
 QAF18A307SO



QAF18A307SONP
 QAF18A307SOXY
 QAF18A307ST

Locking Style

Single Concentric

Housing Construction

Four-Bolt Square Flange

UPC Code

0883450039000
 0883450039017
 0883450039031
 0883450039048
 0883450039055
 0883450039062
 0883450039079
 0883450039086
 0883450190732
 0883450190893
 0883450268097
 0883450268257
 0883450494403
 0883450494410

Dimensions**Dimension BC**

9.91 in
 251.7 mm

Dimension C

5.13 in
 130.3 mm

Dimension D

7.63 in
 193.8 mm

Dimension E

7 in
 177.8 mm

Dimension F

8.63 in
 219.2 mm

Dimension H

1.31 in
 33.3 mm

Dimension J (Bolt Size)	0.75 in 20 mm
Dimension KA	1.44 in 36.6 mm
Dimension L Exp	4.3 in 109.2 mm
Dimension L Fix	4.22 in 107.2 mm
Dimension M	2.59 in 65.8 mm
Dimension N	3.31 in 84.1 mm
Dimension RA	0.19 in 4.8 mm
Dimension SA	4.03 in 102.4 mm

Radial and Thrust Factors

C0 - Static Load	87200 lbf 388000 N
C - Dynamic Load (Basic)	79700 lbf 355000 N
e - Geometry Factor	0.23
Y1 - Geometry Factor	2.90
Y2 - Geometry Factor	4.31

Engineering Seal Speed

Oil Lubrication - M/N Seal	1400 rpm
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Oil Lubrication - T Seal	2400 rpm
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Oil Lubrication - B/C/O Seal	1000 rpm
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Grease Lubrication - M/N Seal	1400 rpm
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Grease Lubrication - T Seal	2000 rpm
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Grease Lubrication - B/C/O Seal	1000 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0030 in 0.076 mm
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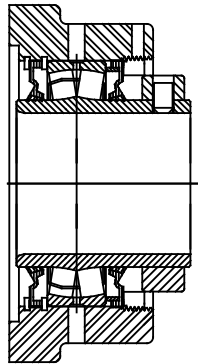
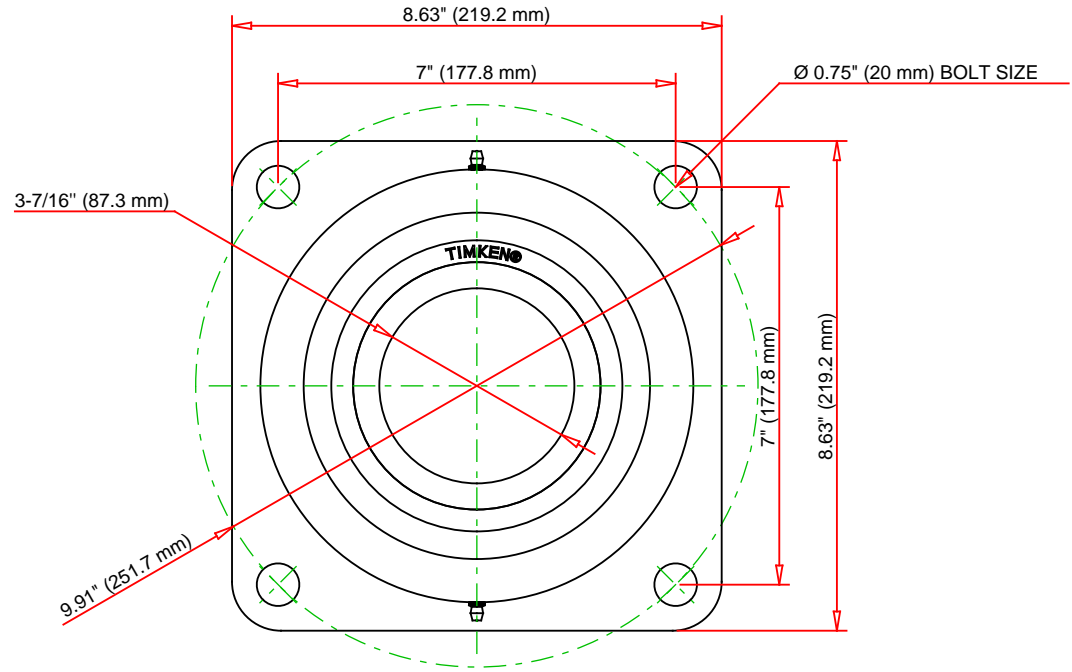
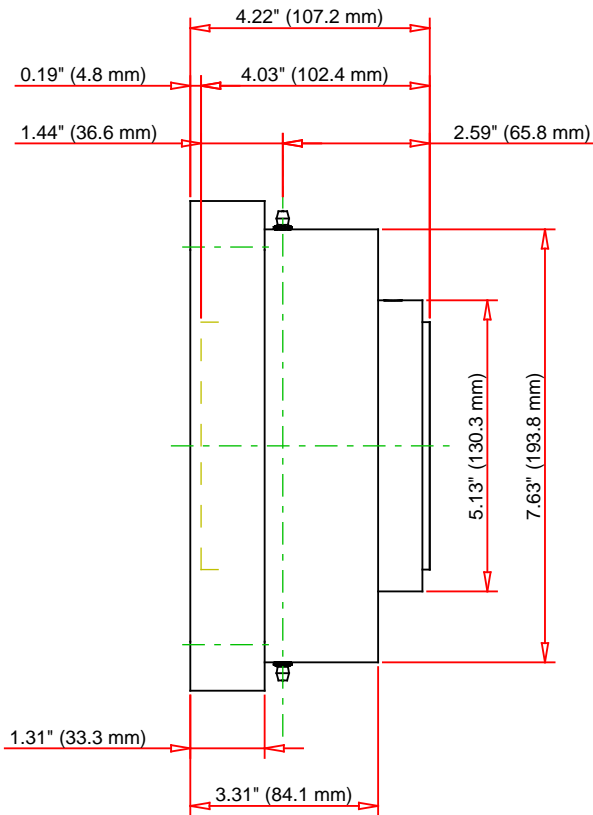
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0024
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Eng Internal Radial Clearance - Max	0.0039
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Pre Install Clearance Min	0.0024 in 0.060 mm
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Pre Install Clearance Max	0.0039 in 0.100 mm
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Note: Section View not to Scale

C - Dynamic Load	79700	lbf	355000	N
C0 - Static Load	87200	lbf	388000	N
Weight	35	lb	15.9	kg
Max. Speed T-Seals & Grease	2000	rpm		
Rad. Clearance - Max.	0.0039			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAF18A307S

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