



The Timken Company

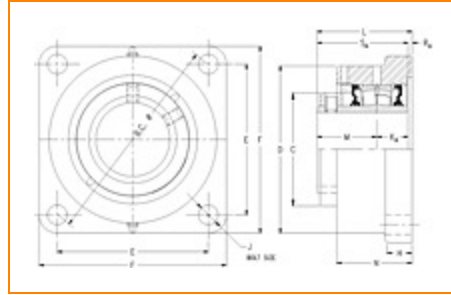
4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000

E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number QAFL10A200S, 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	22210
Shaft Size	2 in
Shaft Size Type	Imperial
Full Timken Part Number	QAFL10A200SB QAFL10A200SC QAFL10A200SEB QAFL10A200SEC QAFL10A200SEM QAFL10A200SEMSLA QAFL10A200SEN QAFL10A200SEO QAFL10A200SET QAFL10A200SM QAFL10A200SN



QAFL10A200SO
QAFL10A200ST

Locking Style Single Concentric

Housing Construction Four-Bolt Square Flange

UPC Code

0883450039604
0883450039611
0883450039635
0883450039642
0883450039659
0883450039666
0883450039673
0883450039680
0883450191296
0883450191456
0883450268653
0883450268813
0883450952835

Dimensions

Dimension BC

5.75 in
146.1 mm

Dimension C

2.88 in
73.2 mm

Dimension D

4.75 in
120.7 mm

Dimension E

4.07 in
103.4 mm

Dimension F

5.19 in
131.8 mm

Dimension H

0.91 in
23.1 mm

Dimension J (Bolt Size)

0.5 in
12 mm

Dimension KA	0.98 in 24.9 mm
Dimension L Exp	3.26 in 82.8 mm
Dimension L Fix	3.18 in 80.8 mm
Dimension M	1.89 in 48 mm
Dimension N	2.46 in 62.5 mm
Dimension RA	0.31 in 7.9 mm
Dimension SA	2.87 in 72.9 mm

Radial and Thrust Factors

C0 - Static Load	26600 lbf 118000 N
C - Dynamic Load (Basic)	26300 lbf 117000 N
e - Geometry Factor	0.25
Y1 - Geometry Factor	2.71
Y2 - Geometry Factor	4.04

Engineering Seal Speed

Oil Lubrication - M/N Seal	2400 rpm
Oil Lubrication - T Seal	4200 rpm
Oil Lubrication - B/C/O Seal	1800 rpm

Grease Lubrication - M/N Seal	2400 rpm
--------------------------------------	----------

Grease Lubrication - T Seal	3550 rpm
------------------------------------	----------

Grease Lubrication - B/C/O Seal	1800 rpm
--	----------

Engineering Bearing Attributes

Float	0.050 in 1.270 mm
--------------	----------------------

Shaft Tolerance	0.0015 in 0.038 mm
------------------------	-----------------------

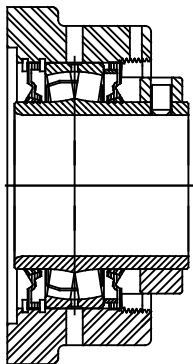
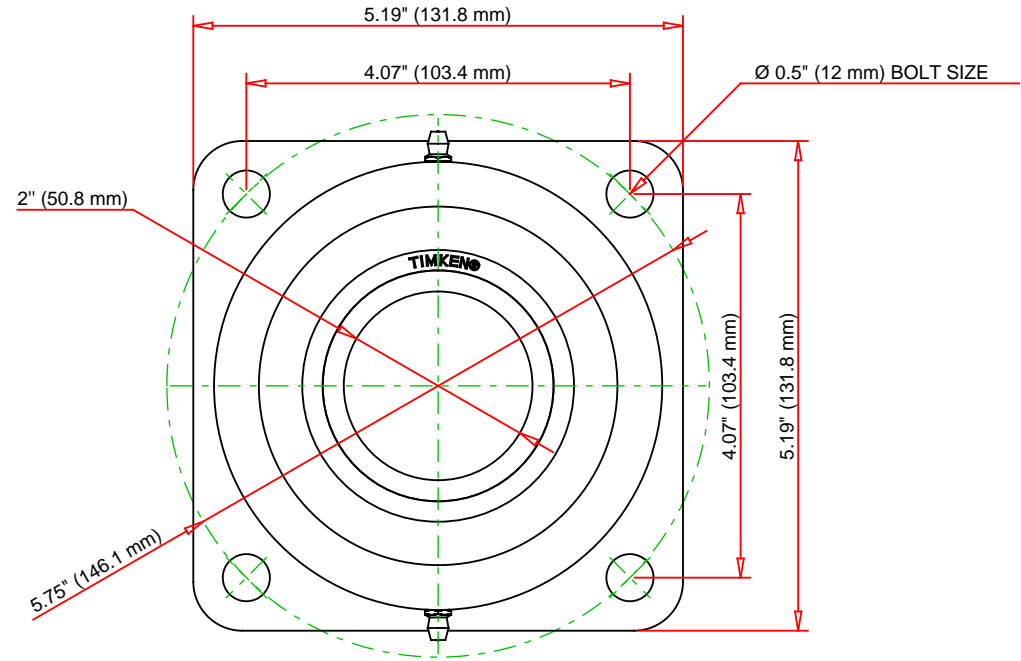
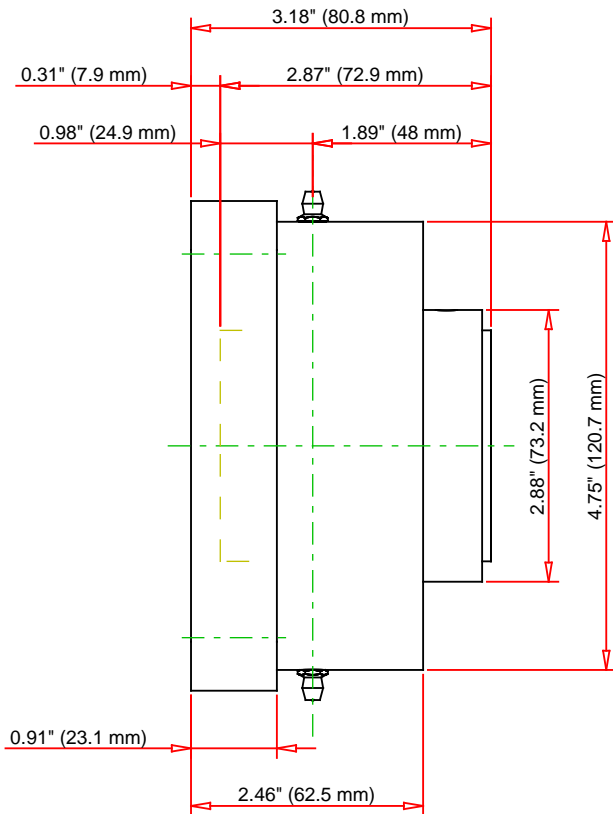
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0016
--	--------

Eng Internal Radial Clearance - Max	0.0026
--	--------

Pre Install Clearance Min	0.0016 in 0.040 mm
----------------------------------	-----------------------

Pre Install Clearance Max	0.0026 in 0.065 mm
----------------------------------	-----------------------



Note: Section View not to Scale

C - Dynamic Load	26300	lbf	117000	N
C0 - Static Load	26600	lbf	118000	N
Weight	11	lb	5	kg
Max. Speed T-Seals & Grease	3550	rpm		
Rad. Clearance - Max.	0.0026			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAFL10A200S
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