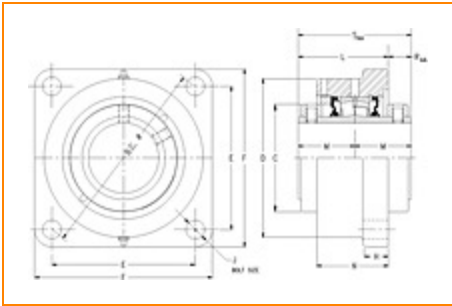




The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number QAAFX18A085S, Double 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	85 mm
Shaft Size Type	Metric
Full Timken Part Number	QAAFX18A085SB QAAFX18A085SC QAAFX18A085SEB QAAFX18A085SEC QAAFX18A085SEM QAAFX18A085SEN QAAFX18A085SEO QAAFX18A085SET QAAFX18A085SM QAAFX18A085SN QAAFX18A085SO



QAAFX18A085ST

Locking Style

Double Concentric

Housing Construction

Four-Bolt Square Flange

UPC Code

0883450181853

0883450181877

0883450181884

0883450181891

0883450190183

0883450190190

0883450190206

0883450190213

0883450190220

0883450190237

0883450190244

0883450190251

Dimensions**Dimension BC**9.5 in
241.3 mm**Dimension C**5.13 in
130.3 mm**Dimension D**7.63 in
193.8 mm**Dimension E**6.72 in
170.7 mm**Dimension F**8.38 in
212.9 mm**Dimension H**1.31 in
33.3 mm**Dimension J (Bolt Size)**0.75 in
20 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 RAA	0.97 in 24.6 mm
----------------------	--------------------

Dimension SAA	5.18 in 131.6 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
-----------------------------------	----------

Oil Lubrication - T Seal	2400 rpm
---------------------------------	----------

Oil Lubrication - B/C/O Seal	1000 rpm
-------------------------------------	----------

Grease Lubrication - M/N Seal	1400 rpm
--------------------------------------	----------

Grease Lubrication - T Seal	2000 rpm
------------------------------------	----------

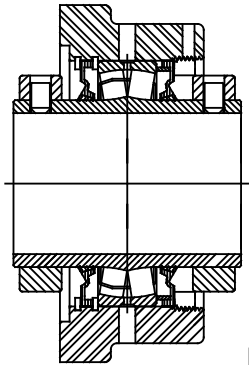
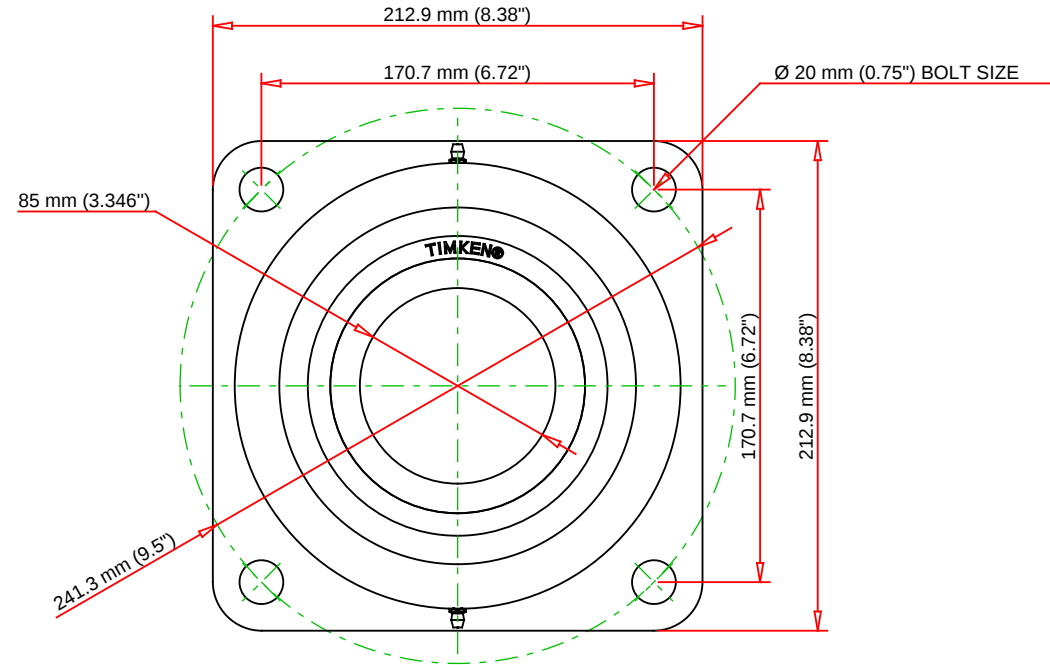
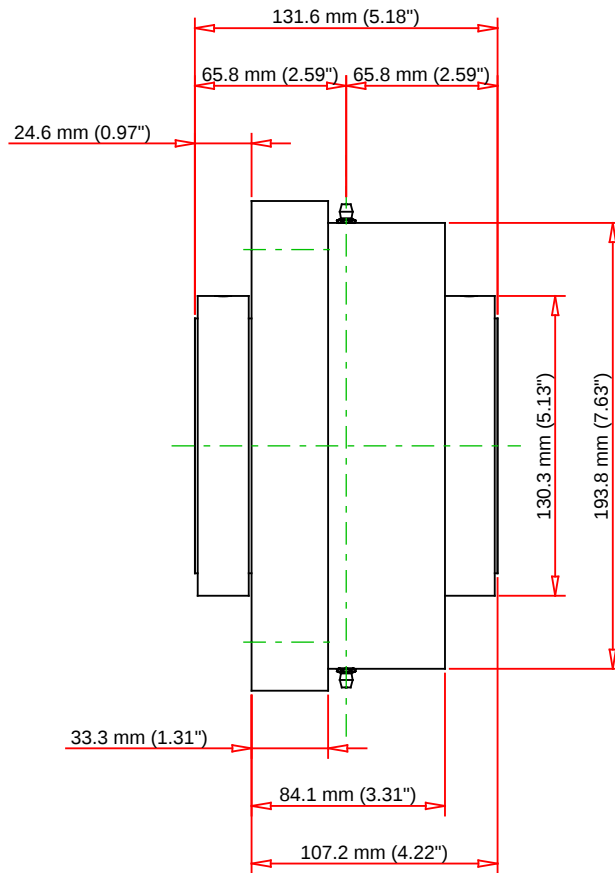
Grease Lubrication - B/C/O Seal	1000 rpm
--	----------

Engineering Bearing Attributes

Float	0.083 in 2.108 mm
Shaft Tolerance	0.0030 in 0.076 mm

Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0024
Eng Internal Radial Clearance - Max	0.0039
Pre Install Clearance Min	0.0024 in 0.060 mm
Pre Install Clearance Max	0.0039 in 0.100 mm



Note: Section View not to Scale

C - Dynamic Load	79700	lbf	355000	N
C0 - Static Load	87200	lbf	388000	N
Weight	42	lb	19.1	kg
Max. Speed T-Seals & Grease	2000	rpm		
Rad. Clearance - Max.	0.0039			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAAFX18A085S

Double 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