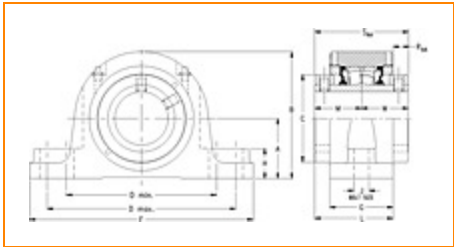
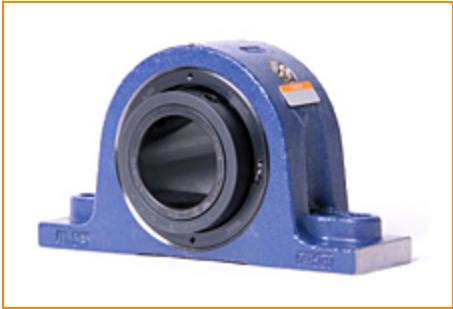




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Part Number QAAPL18A307S, Double Concentric Two-Bolt Pillow Block



[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	QAAPL18A307SB QAAPL18A307SC QAAPL18A307SEB QAAPL18A307SEC QAAPL18A307SEM QAAPL18A307SEN QAAPL18A307SEO QAAPL18A307SET QAAPL18A307SM QAAPL18A307SN QAAPL18A307SO QAAPL18A307ST
 Locking Style	Double Concentric

Housing Construction

Two-Bolt Pillow Block

UPC Code

0883450029308
0883450029315
0883450029339
0883450029346
0883450029353
0883450029360
0883450029377
0883450029384
0883450188890
0883450189057
0883450266390
0883450266550

Dimensions

Dimension A

3-3/4 in
95.3 mm

Dimension B

7.69 in
195.3 mm

Dimension C

5.13 in
130.3 mm

Dimension D Min

9.25 in
235 mm

Dimension D Max

10.75 in
273.1 mm

Dimension F

13 in
330.2 mm

Dimension G

3.41 in
86.6 mm

Dimension H

1.88 in
47.8 mm

Dimension J (Bolt Size)

0.875 in
24 mm

Dimension L	4.3 in 109.2 mm
Dimension M	2.59 in 65.8 mm
Dimension RAA	0.89 in 22.6 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

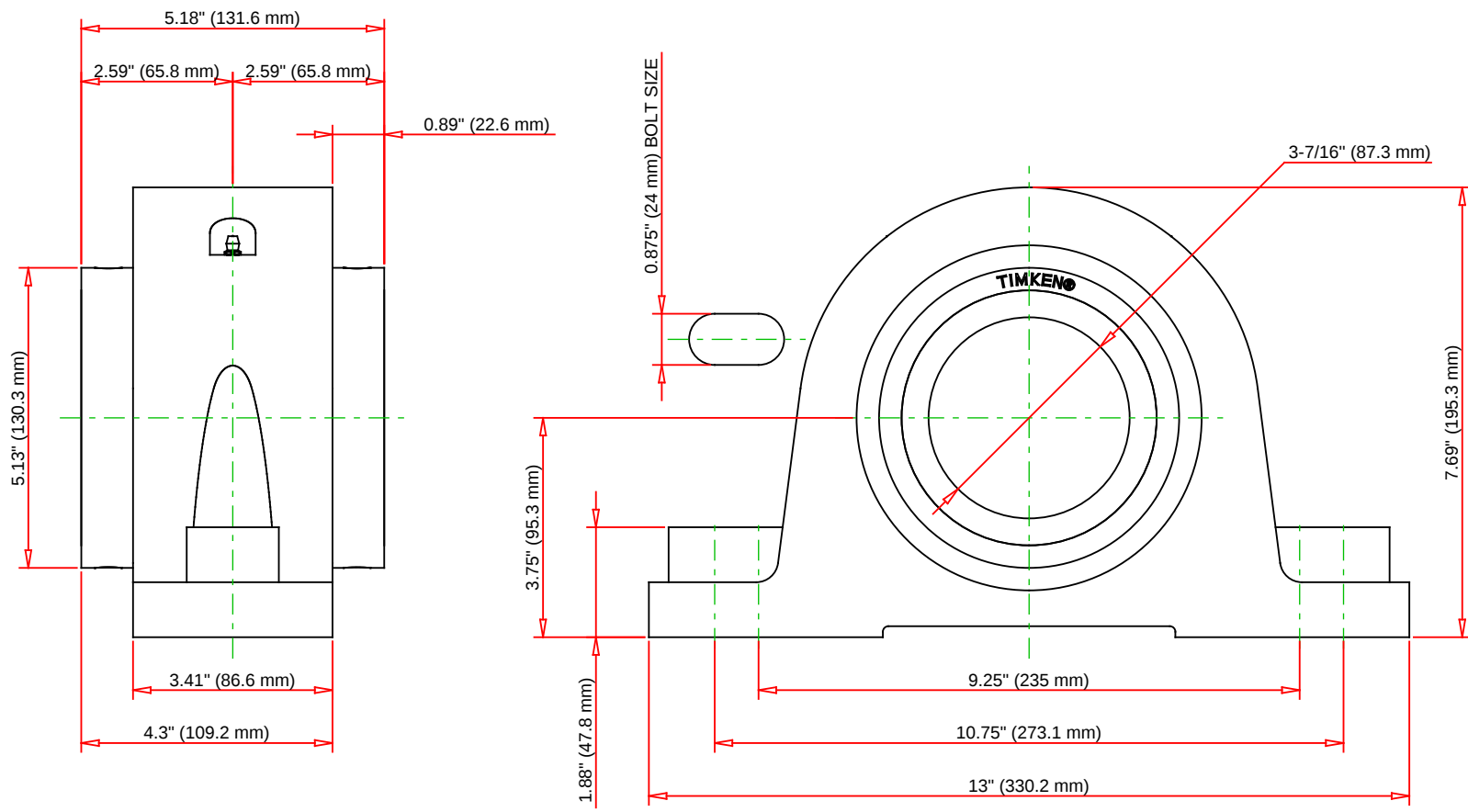
Oil Lubrication - M/N Seal	1400 rpm
Oil Lubrication - T Seal	2400 rpm
Oil Lubrication - B/C/O Seal	1000 rpm
Grease Lubrication - M/N Seal	1400 rpm
Grease Lubrication - T Seal	2000 rpm
Grease Lubrication - B/C/O Seal	1000 rpm

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	45	lb	20.4	kg
Max. Speed T-Seals & Grease	2000	rpm		
Rad. Clearance - Max.	0.0039			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAAPL18A307S
Double Concentric Two-Bolt Pillow
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