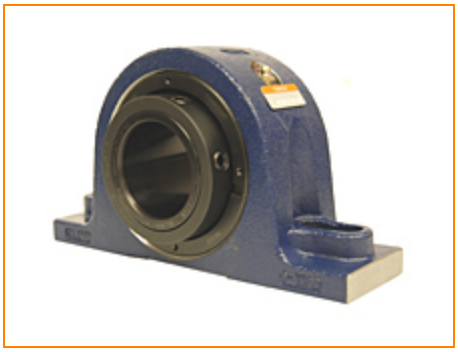
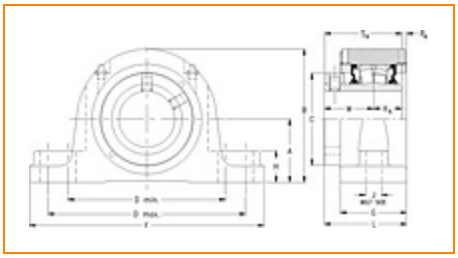
The Timken Company
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N. Canton, OH 44720
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E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number QAPL18A307S, Single 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	QAPL18A307SB QAPL18A307SC QAPL18A307SEB QAPL18A307SEC QAPL18A307SEM QAPL18A307SEN QAPL18A307SEO QAPL18A307SET QAPL18A307SM QAPL18A307SMNP QAPL18A307SN

	QAPL18A307SO QAPL18A307ST QAPL18A307STNG
Locking Style	Single Concentric
Housing Construction	Two-Bolt Pillow Block
UPC Code	0883450048101 0883450048118 0883450048132 0883450048149 0883450048156 0883450048163 0883450048170 0883450048187 0883450188579 0883450188739 0883450266079 0883450266239 0883450432962 0883450492577

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 KA	1.44 in 36.6 mm
Dimension L	4.3 in 109.2 mm
Dimension M	2.59 in 65.8 mm
Dimension RA	0.27 in 6.9 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

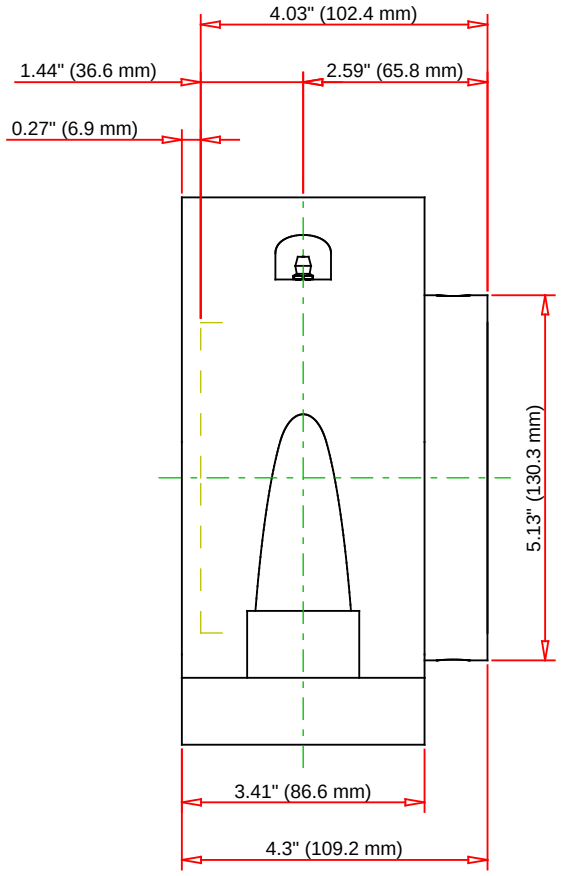
Oil Lubrication - T Seal	2400 rpm
Oil Lubrication - B/C/O Seal	1000 rpm
Grease Lubrication - M/N Seal	1400 rpm
Grease Lubrication - T Seal	2000 rpm
Grease Lubrication - B/C/O Seal	1000 rpm

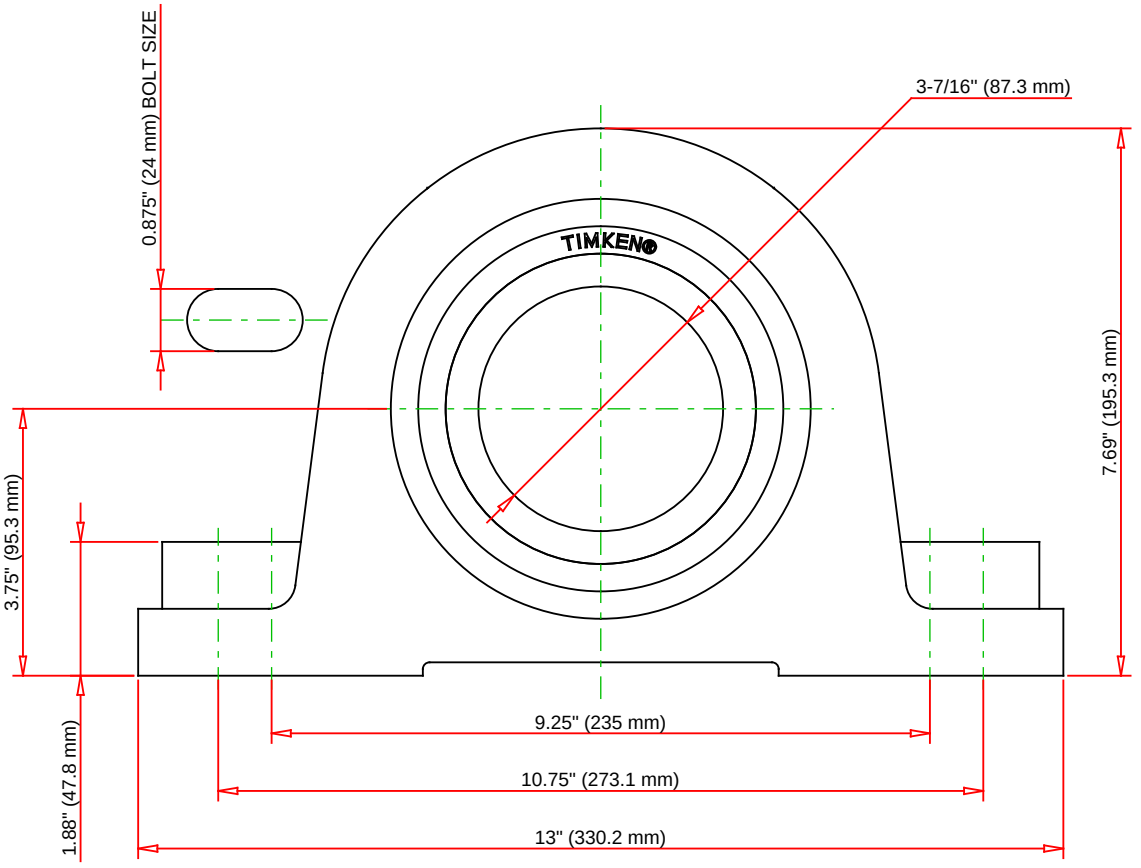
Engineering Bearing Attributes

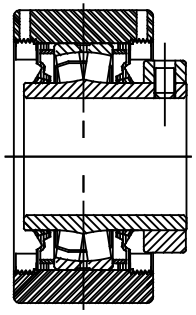
Float	0.083 in 2.108 mm
Shaft Tolerance	0.0030 in 0.076 mm

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

QAPL18A307S

Single 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