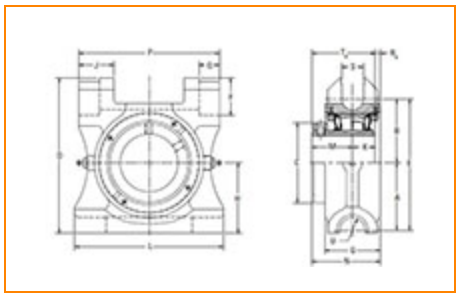
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Part Number QATP18A307S, Single Concentric Top Pull Take-Up Block





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	QATP18A307SB QATP18A307SC QATP18A307SEB QATP18A307SEC QATP18A307SEM QATP18A307SEN QATP18A307SEO QATP18A307SET QATP18A307SM QATP18A307SN QATP18A307SO

	QATP18A307ST
Locking Style	Single Concentric
Housing Construction	Top Pull Take-Up

Dimensions

Dimension A1	4.32 in 109.7 mm
Dimension B	4.09 in 103.9 mm
Dimension C	5.13 in 130.2 mm
Dimension D	9.94 in 252.5 mm
Dimension E	8.41 in 213.6 mm
Dimension F	2.41 in 61.3 mm
Dimension G	3.54 in 90 mm
Dimension H	4.5 in 114.3 mm
Dimension J	2.25 in 57.1 mm
Dimension K	1.44 in 36.5 mm
Dimension L	9-1/2 in 241.3 mm
Dimension M	2.59 in 65.9 mm

Dimension N	4.37 in 110.9 mm
Dimension P	9 in 228.6 mm
Dimension Q	1.31 in 33.3 mm
Dimension RA	0.34 in 8.6 mm
Dimension S	1.38 in 35.1 mm
Dimension TA	4.03 in 102.4 mm
Dimension U	0.81 in 20.6 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

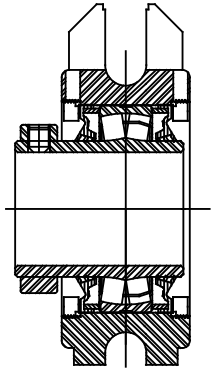
Grease Lubrication - M/N Seal	1400 rpm
Grease Lubrication - T Seal	2000 rpm
Grease Lubrication - B/C/O Seal	1000 rpm

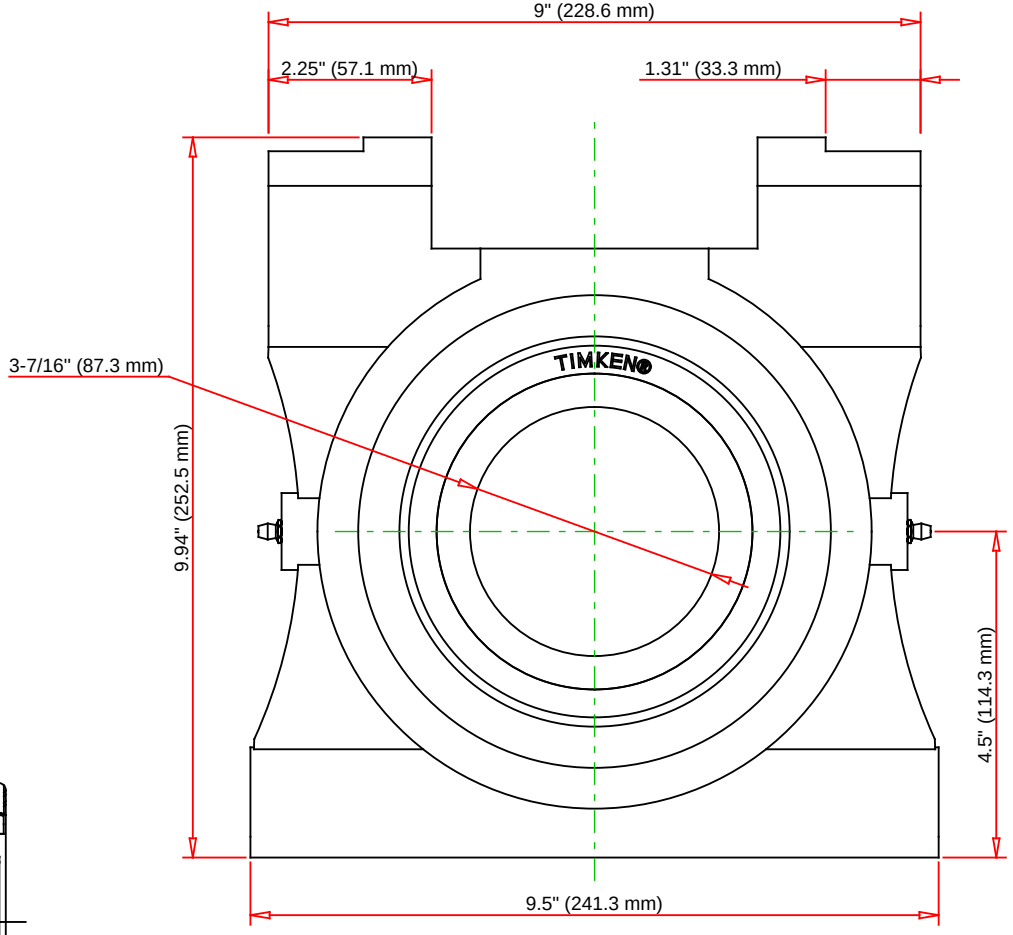
Engineering Bearing Attributes

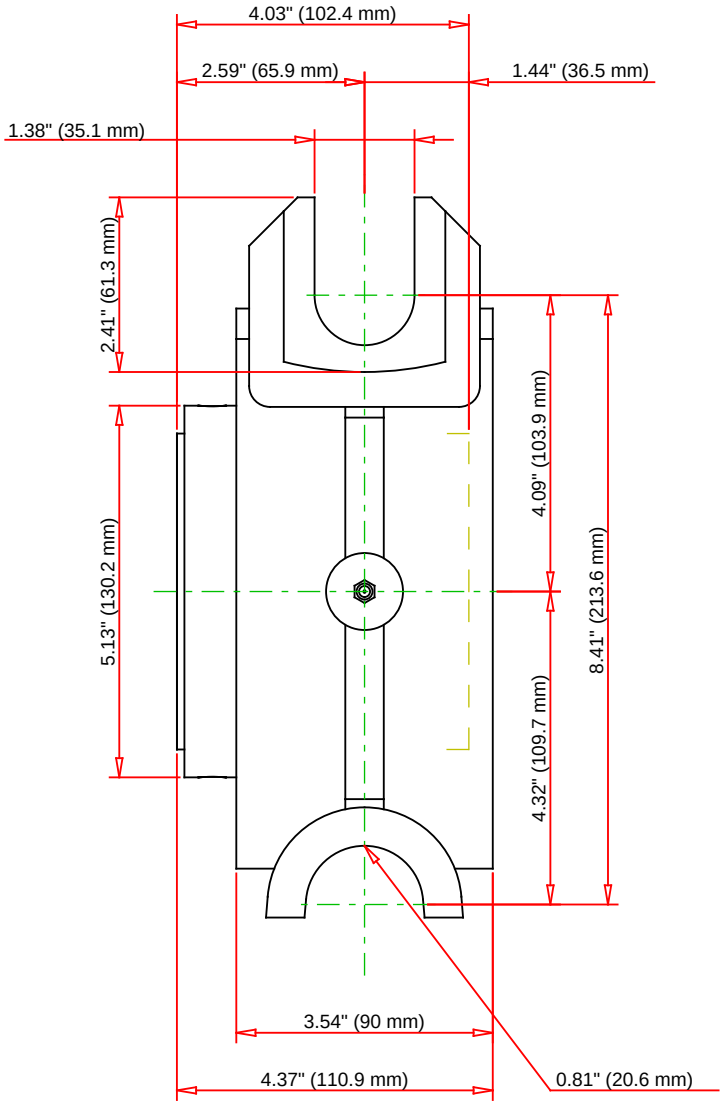
Float	0.08 in 2.03 mm
Shaft Tolerance	0.0030 in 0.076 mm

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

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QATP18A307S

Single Concentric Top Pull Take-Up 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