



The Timken Company

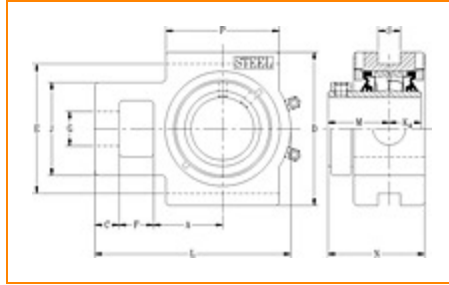
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Part Number QATU18A303S, Single Concentric Take-Up Block



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Specifications -

Engineering Group	Mounted Bearing
Bearing Number	22218
Shaft Size	3 3/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QATU18A303SB QATU18A303SC QATU18A303SEB QATU18A303SEC QATU18A303SEM QATU18A303SEN QATU18A303SEO QATU18A303SET QATU18A303SM QATU18A303SN QATU18A303SO



QATU18A303ST

Locking Style	Single Concentric
Housing Construction	Take-Up
UPC Code	0883450334440 0883450334457 0883450334464 0883450334471 0883450334488 0883450334495 0883450334501 0883450334518 0883450334525 0883450334532 0883450334549 0883450334556

Dimensions

Dimension A1	3.63 in 92.2 mm
Dimension C	1 in 25.4 mm
Dimension D	7.63 in 193.8 mm
Dimension E	6.81 in 173 mm
Dimension F	1.81 in 46 mm
Dimension G	1.88 in 47.8 mm
Dimension J	4.88 in 124 mm
Dimension L	10.12 in 257 mm

Dimension KA	1.44 in 36.6 mm
Dimension M	2.59 in 65.8 mm
Dimension N	4.22 in 107.2 mm
Dimension P	6.25 in 158.8 mm
Dimension S	1.81 in 46 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

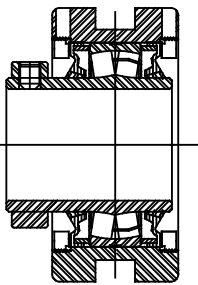
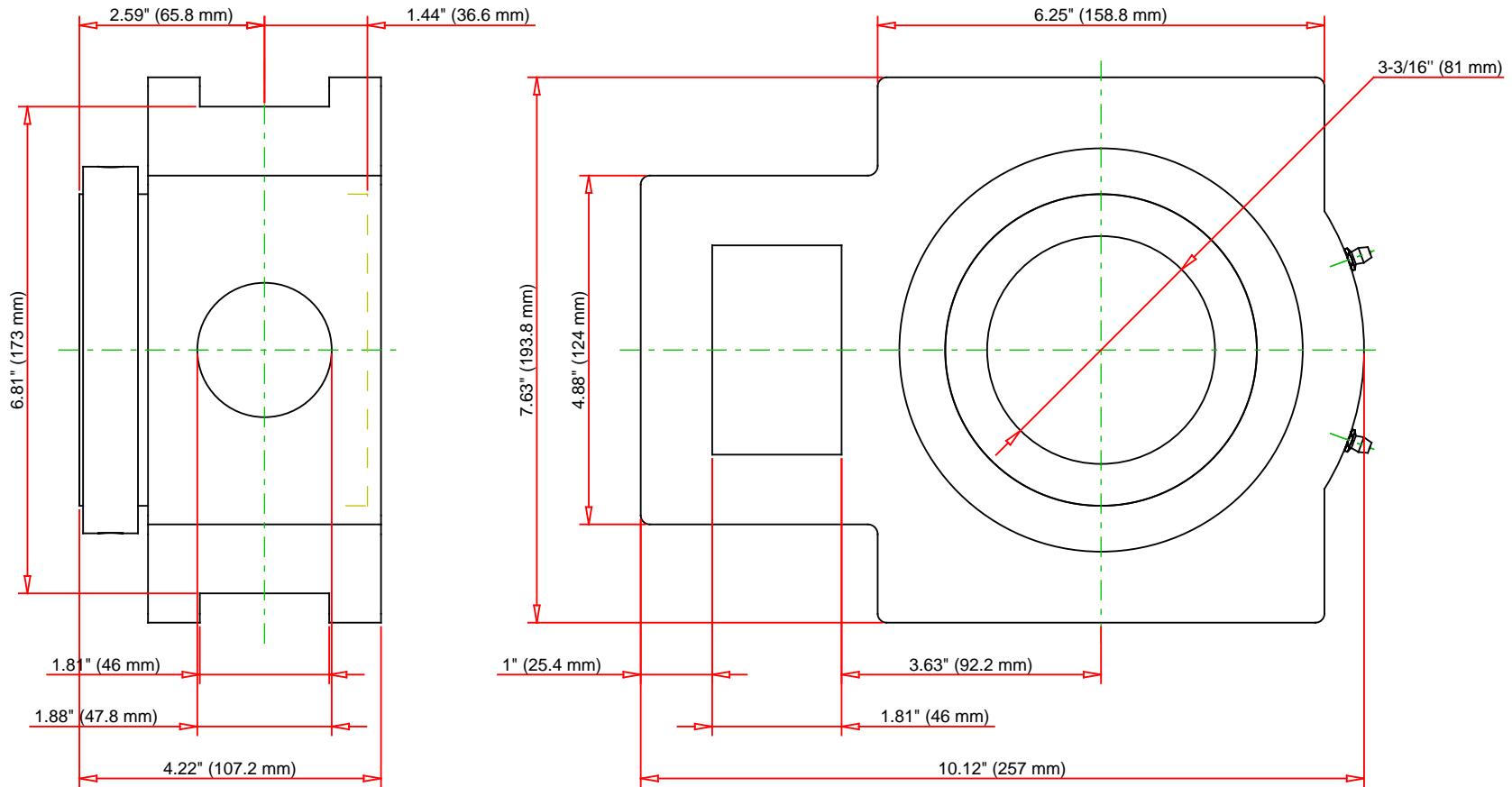
Oil Lubrication - M/N Seal	1400 rpm
Oil Lubrication - T Seal	2400 rpm
Oil Lubrication - B/C/O Seal	1000 rpm
Grease Lubrication - M/N Seal	1400 rpm
Grease Lubrication - T Seal	2000 rpm
Grease Lubrication - B/C/O Seal	1000 rpm

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	44	lb	20	kg
Max. Speed T-Seals & Grease	2000	rpm		
Rad. Clearance - Max.	0.0039			

TIMKEN

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NORTH CANTON, OHIO USA

QATU18A303S
Single Concentric 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