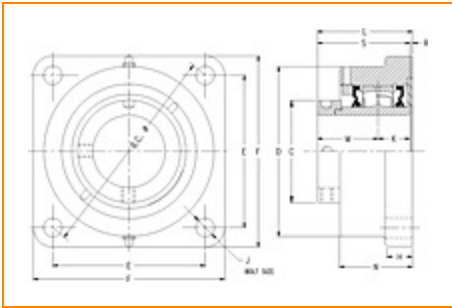




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Part Number QMF18J307S, Eccentric Four Bolt Square Flange Block



[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	3 7/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QMF18J307SB QMF18J307SC QMF18J307SEB QMF18J307SEC QMF18J307SEM QMF18J307SEN QMF18J307SEO QMF18J307SET QMF18J307SM QMF18J307SN QMF18J307SO



	QMF18J307ST
Locking Style	Eccentric
Housing Construction	Four-Bolt Square Flange
UPC Code	0883450067829
	0883450067836
	0883450067850
	0883450067867
	0883450067874
	0883450067881
	0883450067898
	0883450067904
	0883450161732
	0883450162418
	0883450254496
	0883450254977

Dimensions

Dimension BC	9.91 in 251.7 mm
Dimension C	4.76 in 120.9 mm
Dimension D	7.63 in 193.8 mm
Dimension E	7 in 177.8 mm
Dimension F	8.63 in 219.2 mm
Dimension H	1.31 in 33.3 mm
Dimension J (Bolt Size)	0.75 in 20 mm
Dimension K	1.44 in 36.6 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 R	0.19 in 4.8 mm
Dimension S	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

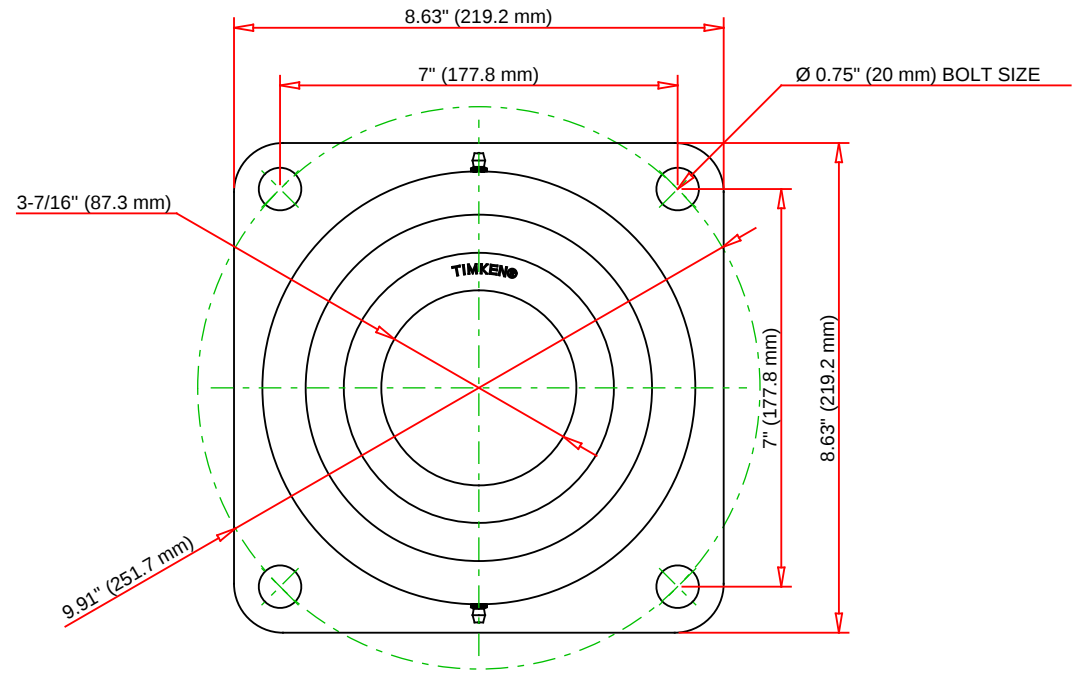
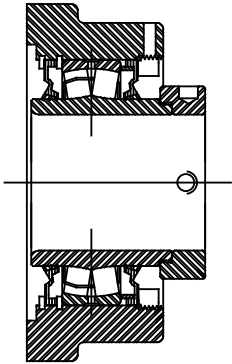
Engineering Internal Radial Clearance

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	35	lb	15.9	kg
Max. Speed T-Seals & Grease	2000	rpm		
Rad. Clearance - Max.	0.0039			

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QMF18J307S

Eccentric 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