



The Timken Company

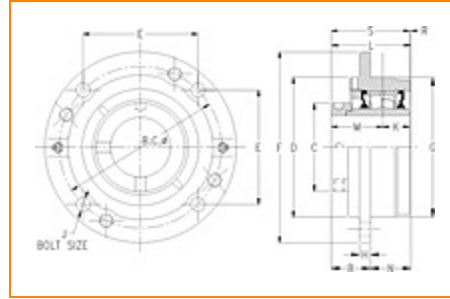
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Part Number QMCW18J307S, Eccentric Piloted Flange Cartridge



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22218

Shaft Size 3 7/16 in

Shaft Size Type Imperial

Full Timken Part Number

- QMCW18J307SB
- QMCW18J307SC
- QMCW18J307SEB
- QMCW18J307SEC
- QMCW18J307SEM
- QMCW18J307SEN
- QMCW18J307SEO
- QMCW18J307SET
- QMCW18J307SM
- QMCW18J307SMB
- QMCW18J307SMT
- QMCW18J307SN
- QMCW18J307SO



QMCW18J307ST

Locking Style

Eccentric

Housing Construction

Piloted Flange Cartridge

UPC Code

0883450063623
 0883450063630
 0883450063654
 0883450063661
 0883450063678
 0883450063685
 0883450063692
 0883450063708
 0883450166607
 0883450167321
 0883450258784
 0883450259323
 0883450409452
 0883450959476

Dimensions**Dimension BC**

8.63 in
 219.2 mm

Dimension B Exp

2.54 in
 64.5 mm

Dimension B Fix

2.46 in
 62.5 mm

Dimension C

4.76 in
 120.9 mm

Dimension D

7.38 in
 187.5 mm

Dimension E

6.1 in
 154.9 mm

Dimension F

10-1/4 in
 260.4 mm

Dimension G	7.375 in 187.3 mm
Dimension H	0.88 in 22.4 mm
Dimension J (Bolt Size)	0.75 in 20 mm
Dimension K	1.44 in 36.6 mm
Dimension L Exp	4.42 in 112.3 mm
Dimension L Fix	4.34 in 110.2 mm
Dimension M	2.59 in 65.8 mm
Dimension N	1.88 in 47.8 mm
Dimension R	0.31 in 7.9 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

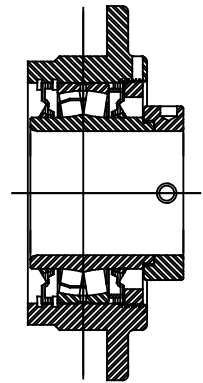
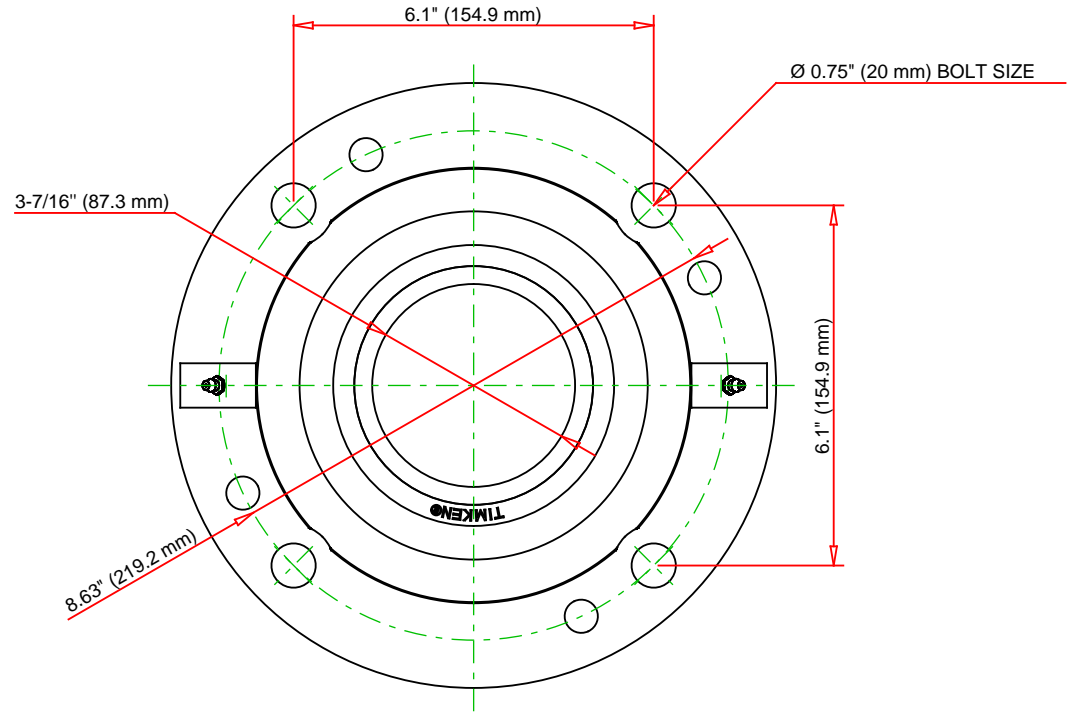
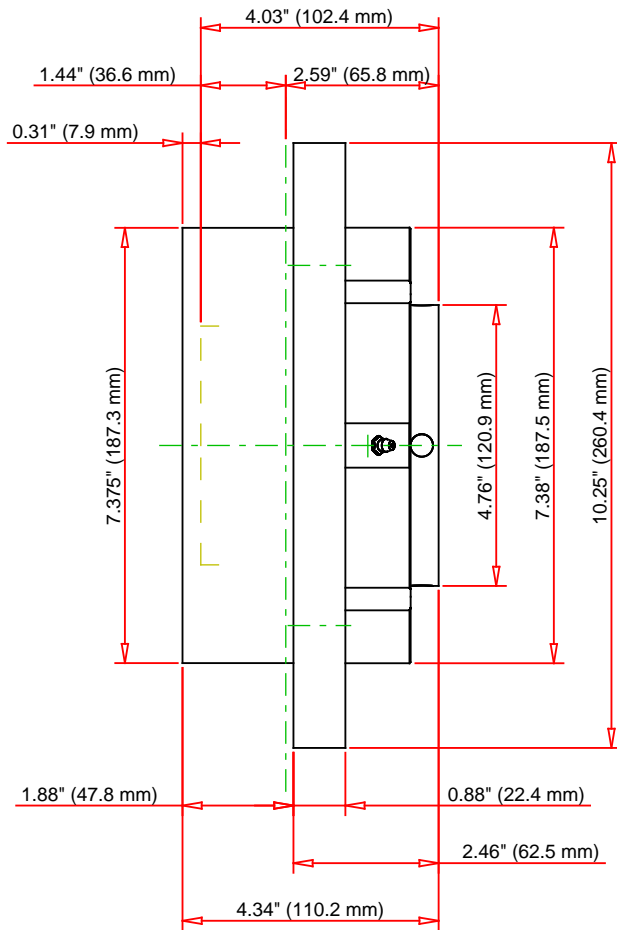
Oil Lubrication - M/N Seal	1400 rpm
Oil Lubrication - T Seal	2400 rpm
Oil Lubrication - B/C/O Seal	1000 rpm
Grease Lubrication - M/N Seal	1400 rpm
Grease Lubrication - T Seal	2000 rpm
Grease Lubrication - B/C/O Seal	1000 rpm

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	32	lb	14.5	kg
Max. Speed T-Seals & Grease	2000	rpm		
Rad. Clearance - Max.	0.0039			

TIMKEN

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NORTH CANTON, OHIO USA

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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.

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