



The Timken Company

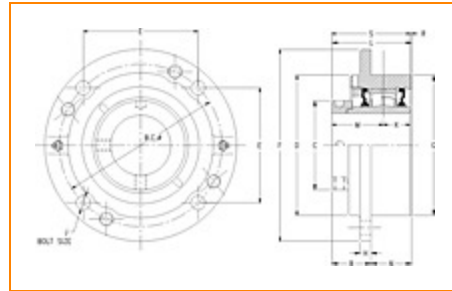
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Part Number QMC18J307S, Eccentric Piloted Flange Cartridge



[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

- QMC18J307SB
- QMC18J307SC
- QMC18J307SEB
- QMC18J307SEC
- QMC18J307SEM
- QMC18J307SEN
- QMC18J307SEO
- QMC18J307SET
- QMC18J307SM
- QMC18J307SN
- QMC18J307SO
- QMC18J307ST



Locking Style	Eccentric
Housing Construction	Piloted Flange Cartridge

UPC Code	0883450060424
	0883450060431
	0883450060455
	0883450060462
	0883450060479
	0883450060486
	0883450060493
	0883450060509
	0883450165761
	0883450166188
0883450258029	
0883450258401	

Dimensions

Dimension BC	8.63 in 219.2 mm
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Dimension B Exp	2.96 in 75.2 mm
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Dimension B Fix	2.88 in 73.2 mm
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Dimension C	4.76 in 120.9 mm
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Dimension D	7.38 in 187.5 mm
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Dimension E	6.1 in 154.9 mm
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Dimension F	10.34 in 262.6 mm
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Dimension G	7.375 in 187.3 mm
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Dimension H	1 in 25.4 mm
Dimension J (Bolt Size)	0.75 in 20 mm
Dimension K	1.44 in 36.6 mm
Dimension L Exp	4.27 in 108.5 mm
Dimension L Fix	4.19 in 106.4 mm
Dimension M	2.59 in 65.8 mm
Dimension N	1.31 in 33.3 mm
Dimension R	0.16 in 4.1 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
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Oil Lubrication - T Seal	2400 rpm
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Oil Lubrication - B/C/O Seal	1000 rpm
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Grease Lubrication - M/N Seal	1400 rpm
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Grease Lubrication - T Seal	2000 rpm
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Grease Lubrication - B/C/O Seal	1000 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0030 in 0.076 mm
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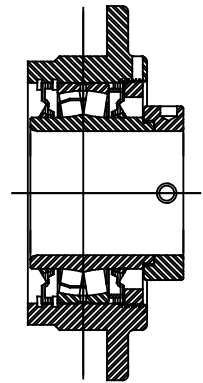
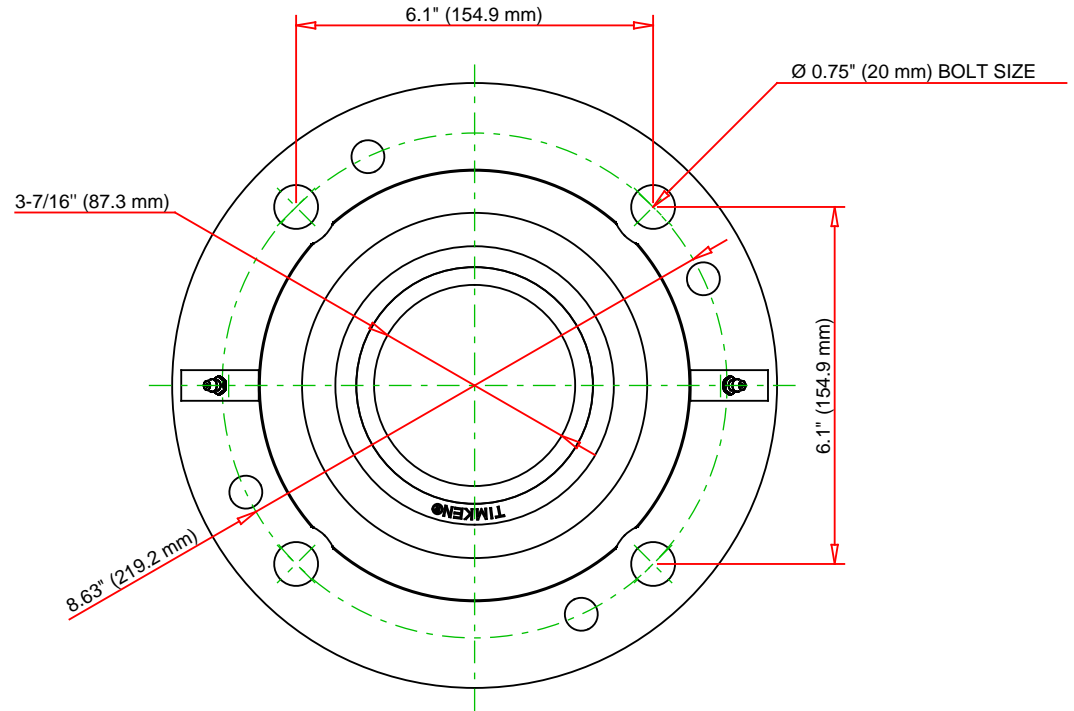
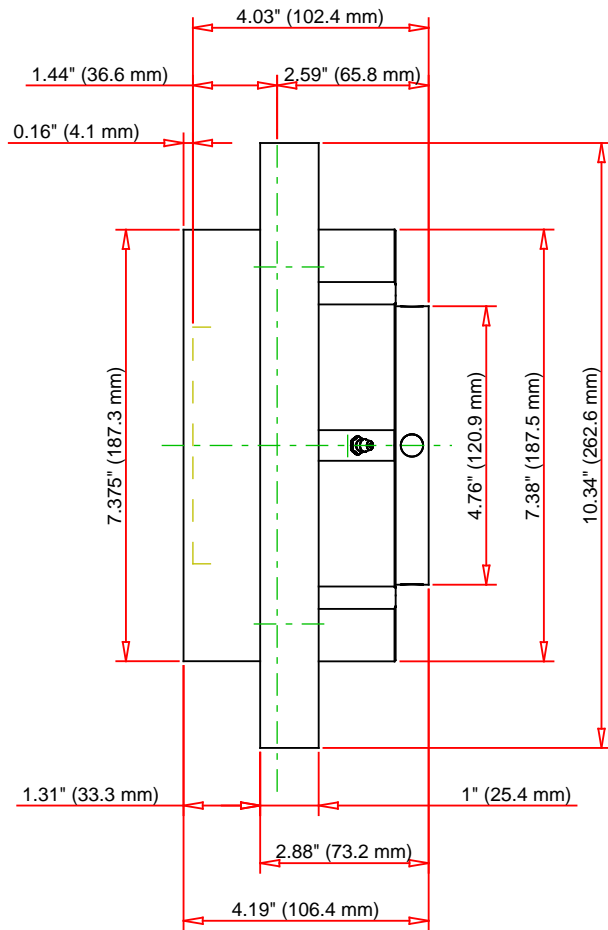
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0024
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Eng Internal Radial Clearance - Max	0.0039
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Pre Install Clearance Min	0.0024 in 0.060 mm
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Pre Install Clearance Max	0.0039 in 0.100 mm
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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

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QMC18J307S

Eccentric Piloted Flange Cartridge

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