



**The Timken Company**

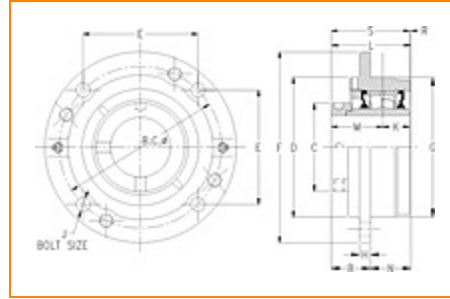
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## Part Number QMCW18J303S, Eccentric Piloted Flange Cartridge



[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 3/16 in

**Shaft Size Type** Imperial

**Full Timken Part Number**

- QMCW18J303SB
- QMCW18J303SC
- QMCW18J303SEB
- QMCW18J303SEC
- QMCW18J303SEM
- QMCW18J303SEN
- QMCW18J303SEO
- QMCW18J303SET
- QMCW18J303SM
- QMCW18J303SN
- QMCW18J303SO
- QMCW18J303ST



<b>Locking Style</b>	Eccentric
<b>Housing Construction</b>	Piloted Flange Cartridge

<b>UPC Code</b>	0883450063425
	0883450063432
	0883450063456
	0883450063463
	0883450063470
	0883450063487
	0883450063494
	0883450063500
	0883450166560
	0883450167284
0883450258746	
0883450259286	

## Dimensions

<b>Dimension BC</b>	8.63 in 219.2 mm
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<b>Dimension B Exp</b>	2.54 in 64.5 mm
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<b>Dimension B Fix</b>	2.46 in 62.5 mm
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<b>Dimension C</b>	4.76 in 120.9 mm
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<b>Dimension D</b>	7.38 in 187.5 mm
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<b>Dimension E</b>	6.1 in 154.9 mm
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<b>Dimension F</b>	10-1/4 in 260.4 mm
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<b>Dimension G</b>	7.375 in 187.3 mm
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<b>Dimension H</b>	0.88 in 22.4 mm
<b>Dimension J (Bolt Size)</b>	0.75 in 20 mm
<b>Dimension K</b>	1.44 in 36.6 mm
<b>Dimension L Exp</b>	4.42 in 112.3 mm
<b>Dimension L Fix</b>	4.34 in 110.2 mm
<b>Dimension M</b>	2.59 in 65.8 mm
<b>Dimension N</b>	1.88 in 47.8 mm
<b>Dimension R</b>	0.31 in 7.9 mm
<b>Dimension S</b>	4.03 in 102.4 mm

## Radial and Thrust Factors

<b>C0 - Static Load</b>	87200 lbf 388000 N
<b>C - Dynamic Load (Basic)</b>	79700 lbf 355000 N
<b>e - Geometry Factor</b>	0.23
<b>Y1 - Geometry Factor</b>	2.90
<b>Y2 - Geometry Factor</b>	4.31

## Engineering Seal Speed

<b>Oil Lubrication - M/N Seal</b>	1400 rpm
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<b>Oil Lubrication - T Seal</b>	2400 rpm
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<b>Oil Lubrication - B/C/O Seal</b>	1000 rpm
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<b>Grease Lubrication - M/N Seal</b>	1400 rpm
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<b>Grease Lubrication - T Seal</b>	2000 rpm
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<b>Grease Lubrication - B/C/O Seal</b>	1000 rpm
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## Engineering Bearing Attributes

<b>Float</b>	0.083 in 2.108 mm
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<b>Shaft Tolerance</b>	0.0030 in 0.076 mm
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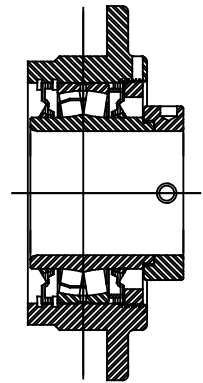
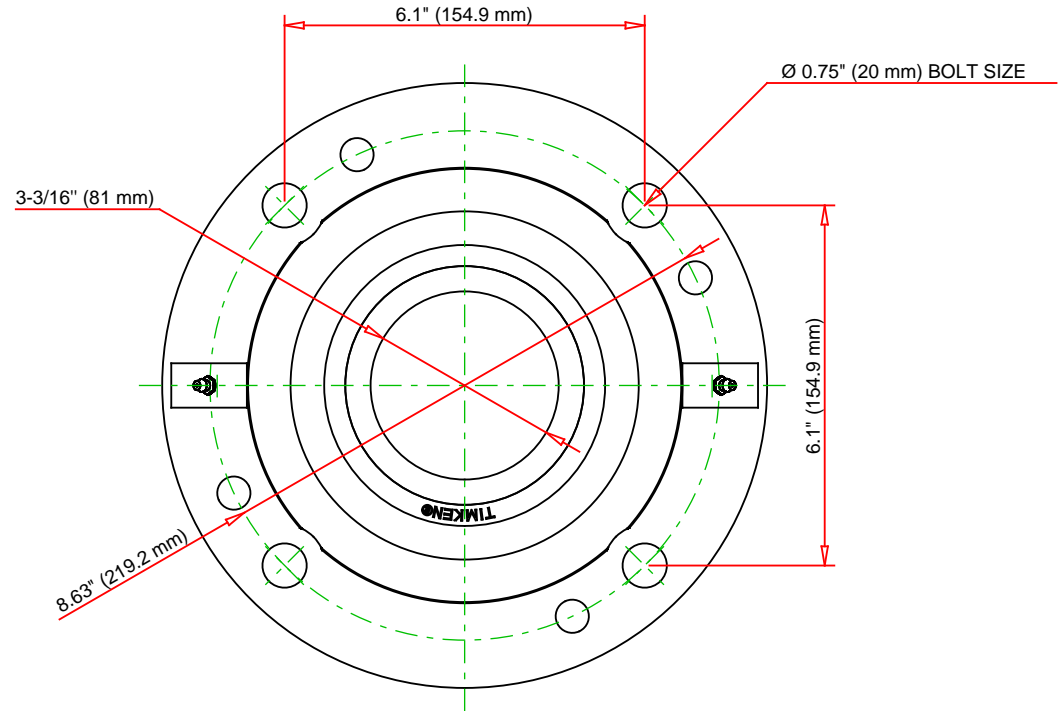
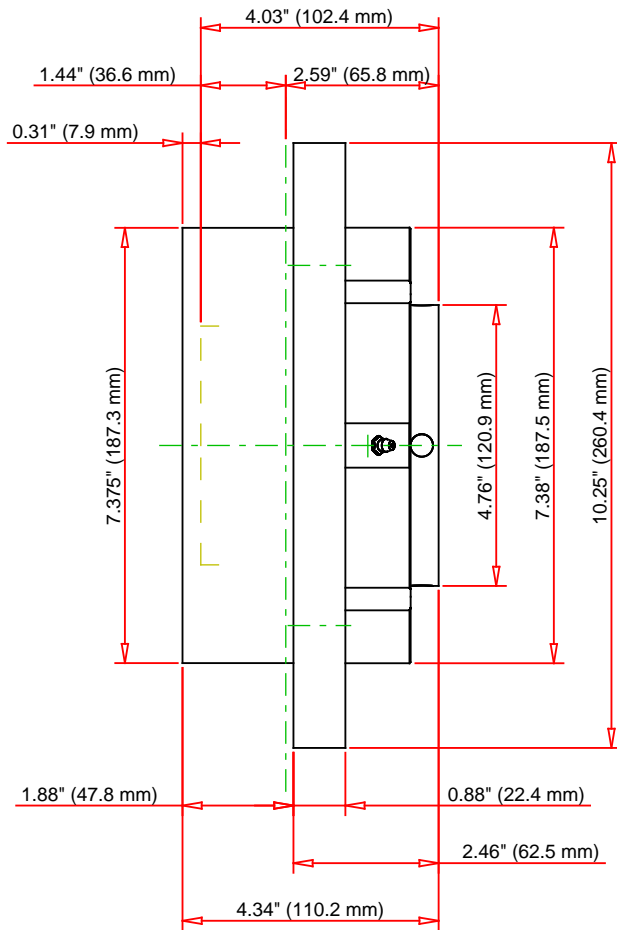
## Engineering Internal Radial Clearance

<b>Eng Internal Radial Clearance - Min</b>	0.0024
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<b>Eng Internal Radial Clearance - Max</b>	0.0039
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<b>Pre Install Clearance Min</b>	0.0024 in 0.060 mm
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<b>Pre Install Clearance Max</b>	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

**QMCW18J303S**  
Eccentric Piloted Flange Cartridge

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**FOR DISCUSSION ONLY**