



**The Timken Company**

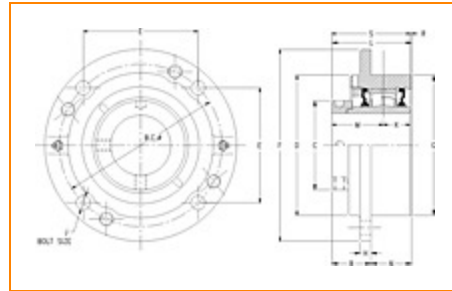
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## Part Number QMC13J207S, Eccentric Piloted Flange Cartridge



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### Specifications

**Engineering Group** Mounted Bearing

**Bearing Number** 22213

**Shaft Size** 2 7/16 in

**Shaft Size Type** Imperial

**Full Timken Part Number**

- QMC13J207SB
- QMC13J207SC
- QMC13J207SEB
- QMC13J207SEC
- QMC13J207SEM
- QMC13J207SEN
- QMC13J207SEO
- QMC13J207SET
- QMC13J207SM
- QMC13J207SMB
- QMC13J207SN
- QMC13J207SO
- QMC13J207ST



<b>Locking Style</b>	Eccentric
<b>Housing Construction</b>	Piloted Flange Cartridge
<b>UPC Code</b>	0883450059220 0883450059237 0883450059251 0883450059268 0883450059275 0883450059282 0883450059299 0883450059305 0883450165631 0883450166058 0883450257893 0883450258272 0883450500388

## Dimensions

<b>Dimension BC</b>	6-1/2 in 165.1 mm
<b>Dimension B Exp</b>	2.42 in 61.5 mm
<b>Dimension B Fix</b>	2.34 in 59.4 mm
<b>Dimension C</b>	3.62 in 91.9 mm
<b>Dimension D</b>	5.5 in 139.7 mm
<b>Dimension E</b>	4.6 in 116.8 mm
<b>Dimension F</b>	7.63 in 193.8 mm
<b>Dimension G</b>	5.5 in 139.7 mm

<b>Dimension H</b>	0.69 in 17.5 mm
<b>Dimension J (Bolt Size)</b>	0.5 in 12 mm
<b>Dimension K</b>	1.24 in 31.5 mm
<b>Dimension L Exp</b>	3.59 in 91.2 mm
<b>Dimension L Fix</b>	3.46 in 87.9 mm
<b>Dimension M</b>	2.13 in 54.1 mm
<b>Dimension N</b>	1.13 in 28.7 mm
<b>Dimension R</b>	0.09 in 2.3 mm
<b>Dimension S</b>	3.37 in 85.6 mm

## Radial and Thrust Factors

<b>C0 - Static Load</b>	48600 lbf 216000 N
<b>C - Dynamic Load (Basic)</b>	46400 lbf 206000 N
<b>e - Geometry Factor</b>	0.24
<b>Y1 - Geometry Factor</b>	2.79
<b>Y2 - Geometry Factor</b>	4.15

## Engineering Seal Speed

<b>Oil Lubrication - M/N Seal</b>	1800 rpm
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<b>Oil Lubrication - T Seal</b>	3200 rpm
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<b>Oil Lubrication - B/C/O Seal</b>	1500 rpm
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<b>Grease Lubrication - M/N Seal</b>	1800 rpm
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<b>Grease Lubrication - T Seal</b>	2800 rpm
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<b>Grease Lubrication - B/C/O Seal</b>	1500 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>	0.0015 in 0.038 mm
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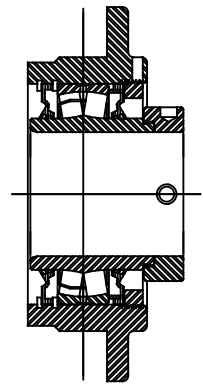
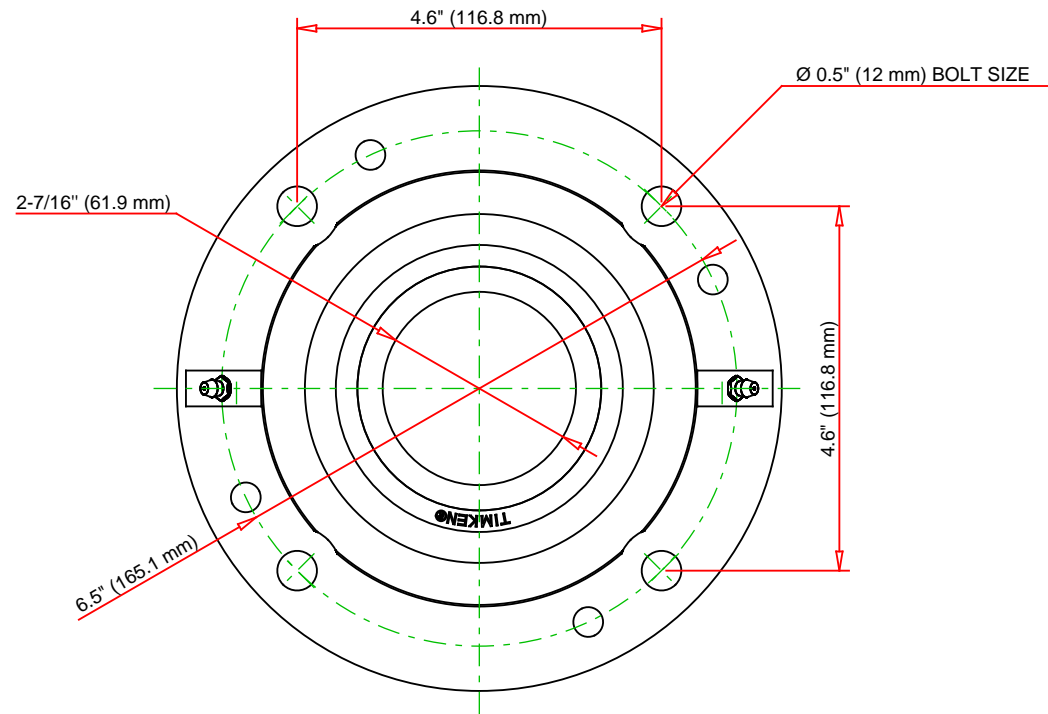
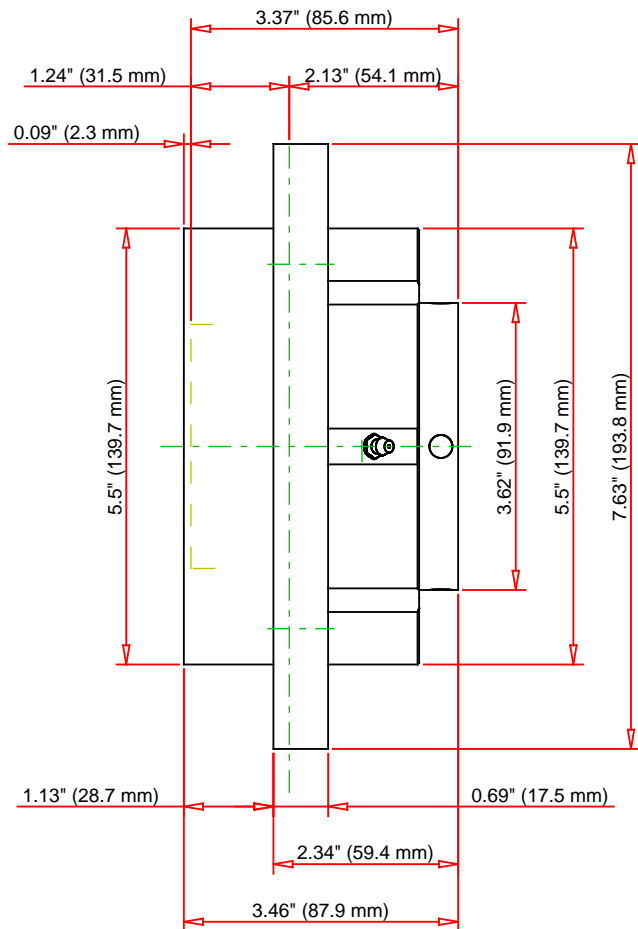
## Engineering Internal Radial Clearance

<b>Eng Internal Radial Clearance - Min</b>	0.0016
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<b>Eng Internal Radial Clearance - Max</b>	0.0026
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<b>Pre Install Clearance Min</b>	0.0016 in 0.040 mm
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<b>Pre Install Clearance Max</b>	0.0026 in 0.065 mm
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Note: Section View not to Scale

C - Dynamic Load	46400	lbf	206000	N
C0 - Static Load	48600	lbf	216000	N
Weight	16	lb	7.3	kg
Max. Speed T-Seals & Grease	2800	rpm		
Rad. Clearance - Max.	0.0026			

**TIMKEN**

THE TIMKEN COMPANY  
NORTH CANTON, OHIO USA

**QMC13J207S**  
Eccentric Piloted Flange Cartridge

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**FOR DISCUSSION ONLY**