



**The Timken Company**

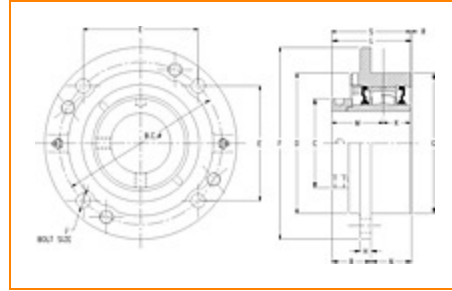
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## Part Number QMC11J203S, Eccentric Piloted Flange Cartridge



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### Specifications

**Engineering Group** Mounted Bearing

**Bearing Number** 22211

**Shaft Size** 2 3/16 in

**Shaft Size Type** Imperial

**Full Timken Part Number**

- QMC11J203SB
- QMC11J203SC
- QMC11J203SEB
- QMC11J203SEC
- QMC11J203SEM
- QMC11J203SEN
- QMC11J203SEO
- QMC11J203SET
- QMC11J203SM
- QMC11J203SMYDR
- QMC11J203SN
- QMC11J203SO
- QMC11J203ST



QMC11J203STREV

**Locking Style**

Eccentric

**Housing Construction**

Piloted Flange Cartridge

**UPC Code**

0883450058926  
 0883450058933  
 0883450058957  
 0883450058964  
 0883450058971  
 0883450058988  
 0883450058995  
 0883450059008  
 0883450165617  
 0883450166034  
 0883450257855  
 0883450258234  
 0883450461962  
 0883450492409

**Dimensions****Dimension BC**

6 in  
 152.4 mm

**Dimension B Exp**

2.22 in  
 56.4 mm

**Dimension B Fix**

2.14 in  
 54.4 mm

**Dimension C**

2.99 in  
 75.9 mm

**Dimension D**

5 in  
 127 mm

**Dimension E**

4.24 in  
 107.7 mm

**Dimension F**

7.3 in  
 185.4 mm

<b>Dimension G</b>	5 in 127 mm
<b>Dimension H</b>	0.58 in 14.7 mm
<b>Dimension J (Bolt Size)</b>	0.5 in 12 mm
<b>Dimension K</b>	1.13 in 28.7 mm
<b>Dimension L Exp</b>	3.35 in 85.1 mm
<b>Dimension L Fix</b>	3.27 in 83.1 mm
<b>Dimension M</b>	1.99 in 50.5 mm
<b>Dimension N</b>	1.13 in 28.7 mm
<b>Dimension R</b>	0.14 in 3.6 mm
<b>Dimension S</b>	3.12 in 79.2 mm

## Radial and Thrust Factors

<b>C0 - Static Load</b>	31900 lbf 142000 N
<b>C - Dynamic Load (Basic)</b>	31400 lbf 140000 N
<b>e - Geometry Factor</b>	0.23
<b>Y1 - Geometry Factor</b>	2.95
<b>Y2 - Geometry Factor</b>	4.40

## Engineering Seal Speed

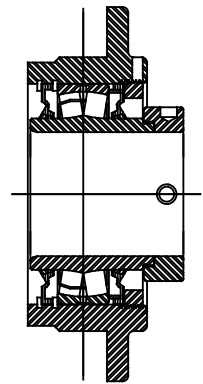
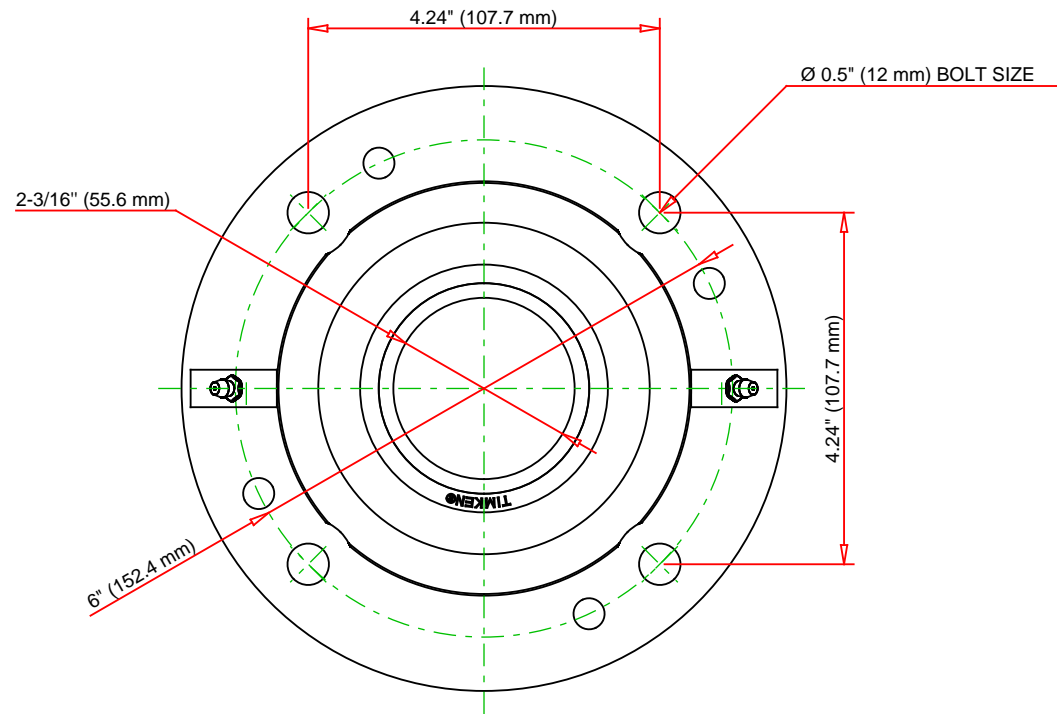
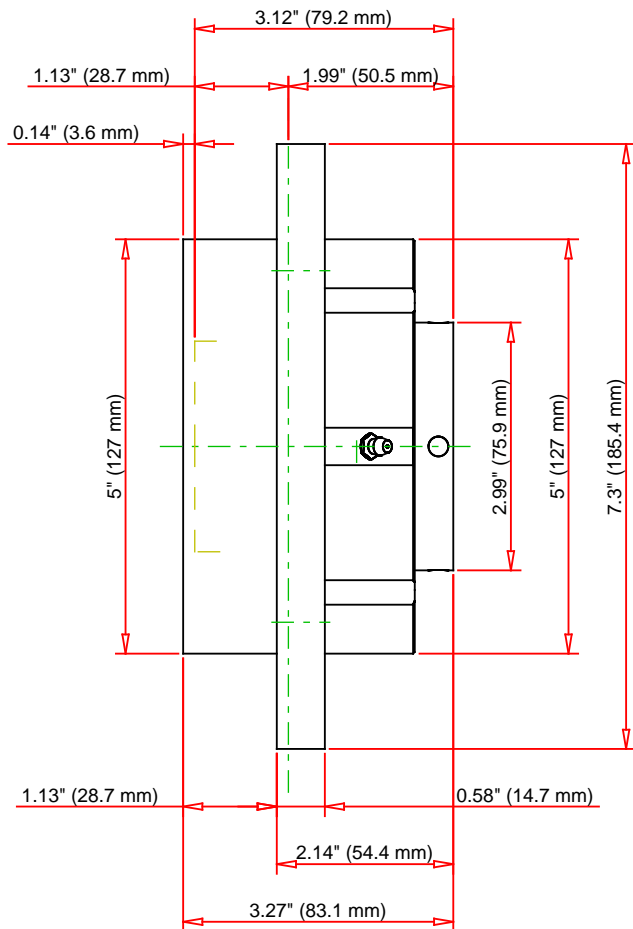
<b>Oil Lubrication - M/N Seal</b>	2200 rpm
<b>Oil Lubrication - T Seal</b>	3800 rpm
<b>Oil Lubrication - B/C/O Seal</b>	1600 rpm
<b>Grease Lubrication - M/N Seal</b>	2200 rpm
<b>Grease Lubrication - T Seal</b>	3200 rpm
<b>Grease Lubrication - B/C/O Seal</b>	1600 rpm

## Engineering Bearing Attributes

<b>Float</b>	0.050 in 1.270 mm
<b>Shaft Tolerance</b>	0.0015 in 0.038 mm

## Engineering Internal Radial Clearance

<b>Eng Internal Radial Clearance - Min</b>	0.0016
<b>Eng Internal Radial Clearance - Max</b>	0.0026
<b>Pre Install Clearance Min</b>	0.0016 in 0.040 mm
<b>Pre Install Clearance Max</b>	0.0026 in 0.065 mm



Note: Section View not to Scale

C - Dynamic Load	31400	lbf	140000	N
C0 - Static Load	31900	lbf	142000	N
Weight	13	lb	5.9	kg
Max. Speed T-Seals & Grease	3200	rpm		
Rad. Clearance - Max.	0.0026			

**TIMKEN**

THE TIMKEN COMPANY  
NORTH CANTON, OHIO USA

**QMC11J203S**  
Eccentric Piloted Flange Cartridge

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**FOR DISCUSSION ONLY**