



The Timken Company

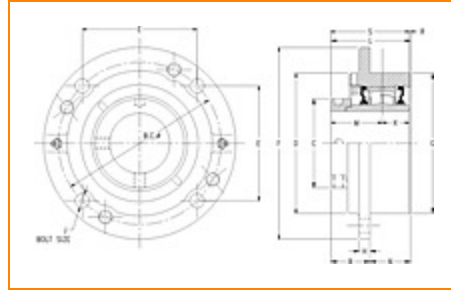
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Part Number QMC11J204S, Eccentric Piloted Flange Cartridge



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22211

Shaft Size 2 1/4 in

Shaft Size Type Imperial

Full Timken Part Number

- QMC11J204SB
- QMC11J204SC
- QMC11J204SEB
- QMC11J204SEC
- QMC11J204SEM
- QMC11J204SEN
- QMC11J204SEO
- QMC11J204SET
- QMC11J204SM
- QMC11J204SN
- QMC11J204SO
- QMC11J204ST



Locking Style	Eccentric
Housing Construction	Piloted Flange Cartridge
UPC Code	0883450059022 0883450059039 0883450059053 0883450059060 0883450059077 0883450059084 0883450059091 0883450059107 0883450165624 0883450166041 0883450257862 0883450258241

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
Dimension G	5 in 127 mm

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

Radial and Thrust Factors

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

Engineering Seal Speed

Oil Lubrication - M/N Seal	2200 rpm
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Oil Lubrication - T Seal	3800 rpm
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Oil Lubrication - B/C/O Seal	1600 rpm
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Grease Lubrication - M/N Seal	2200 rpm
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Grease Lubrication - T Seal	3200 rpm
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Grease Lubrication - B/C/O Seal	1600 rpm
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Engineering Bearing Attributes

Float	0.050 in 1.270 mm
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Shaft Tolerance	0.0015 in 0.038 mm
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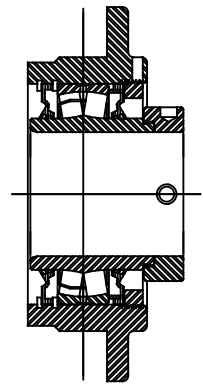
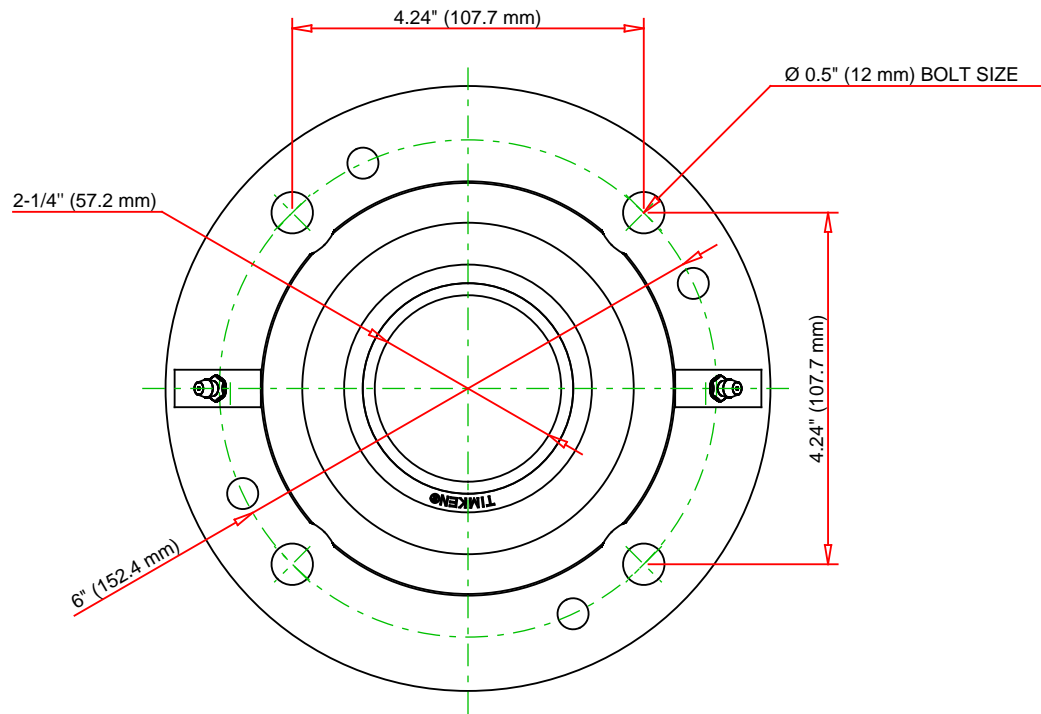
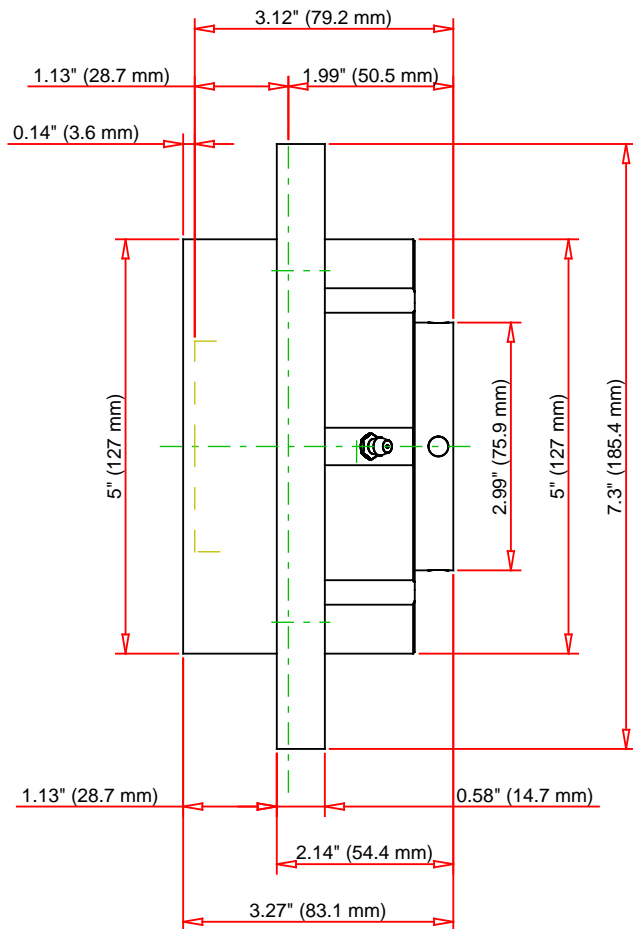
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0016
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Eng Internal Radial Clearance - Max	0.0026
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Pre Install Clearance Min	0.0016 in 0.040 mm
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Pre Install Clearance Max	0.0026 in 0.065 mm
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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

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NORTH CANTON, OHIO USA

QMC11J204S
Eccentric Piloted Flange Cartridge

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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