



The Timken Company

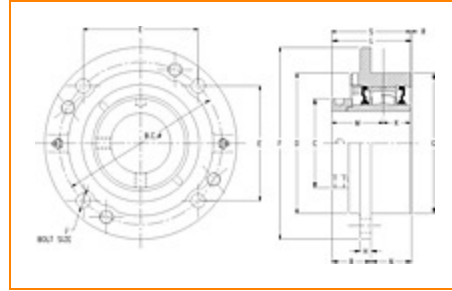
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Part Number QMC15J300S, Eccentric Piloted Flange Cartridge



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22215

Shaft Size 3 in

Shaft Size Type Imperial

Full Timken Part Number

- QMC15J300SB
- QMC15J300SC
- QMC15J300SEB
- QMC15J300SEC
- QMC15J300SEM
- QMC15J300SEN
- QMC15J300SEO
- QMC15J300SET
- QMC15J300SM
- QMC15J300SN
- QMC15J300SO
- QMC15J300ST



Locking Style	Eccentric
Housing Construction	Piloted Flange Cartridge
UPC Code	0883450059923 0883450059930 0883450059954 0883450059961 0883450059978 0883450059985 0883450059992 0883450060004 0883450165709 0883450166126 0883450257961 0883450258340

Dimensions

Dimension BC	7-1/2 in 190.5 mm
Dimension B Exp	2.54 in 64.5 mm
Dimension B Fix	2.46 in 62.5 mm
Dimension C	4.01 in 101.9 mm
Dimension D	6.38 in 162.1 mm
Dimension E	5.3 in 134.6 mm
Dimension F	8-3/4 in 222.3 mm
Dimension G	6.375 in 161.9 mm

Dimension H	0.81 in 20.6 mm
Dimension J (Bolt Size)	0.625 in 16 mm
Dimension K	1.25 in 31.8 mm
Dimension L Exp	3.8 in 96.5 mm
Dimension L Fix	3.72 in 94.5 mm
Dimension M	2.37 in 60.2 mm
Dimension N	1.25 in 31.8 mm
Dimension R	0.09 in 2.3 mm
Dimension S	3.62 in 91.9 mm

Radial and Thrust Factors

C0 - Static Load	54100 lbf 240000 N
C - Dynamic Load (Basic)	49900 lbf 222000 N
e - Geometry Factor	0.22
Y1 - Geometry Factor	3.14
Y2 - Geometry Factor	4.67

Engineering Seal Speed

Oil Lubrication - M/N Seal	1600 rpm
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Oil Lubrication - T Seal	2900 rpm
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Oil Lubrication - B/C/O Seal	1300 rpm
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Grease Lubrication - M/N Seal	1600 rpm
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Grease Lubrication - T Seal	2400 rpm
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Grease Lubrication - B/C/O Seal	1300 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0020 in 0.051 mm
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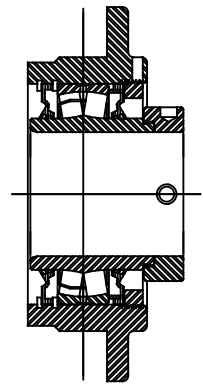
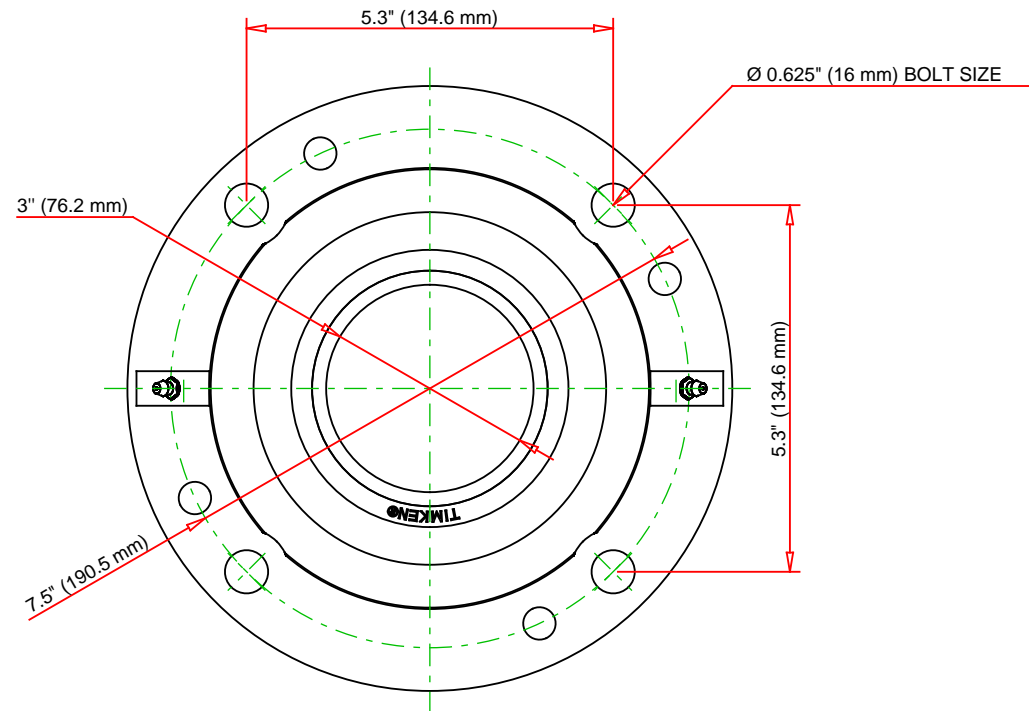
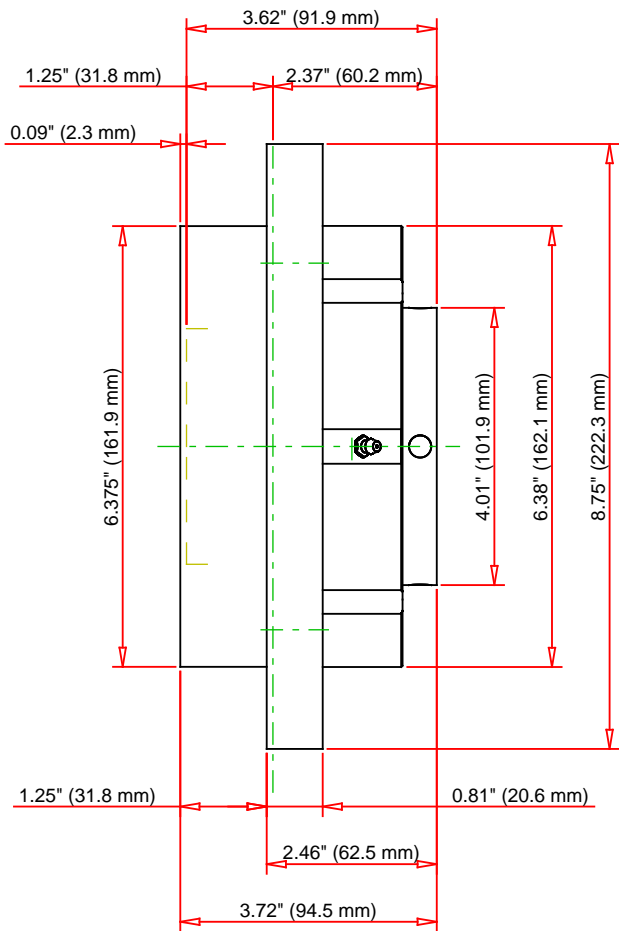
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0020
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Eng Internal Radial Clearance - Max	0.0031
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Pre Install Clearance Min	0.0020 in 0.050 mm
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Pre Install Clearance Max	0.0031 in 0.080 mm
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Note: Section View not to Scale

C - Dynamic Load	49900	lbf	222000	N
C0 - Static Load	54100	lbf	240000	N
Weight	22	lb	10	kg
Max. Speed T-Seals & Grease	2400	rpm		
Rad. Clearance - Max.	0.0031			

TIMKEN
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NORTH CANTON, OHIO USA

QMC15J300S
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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