



The Timken Company

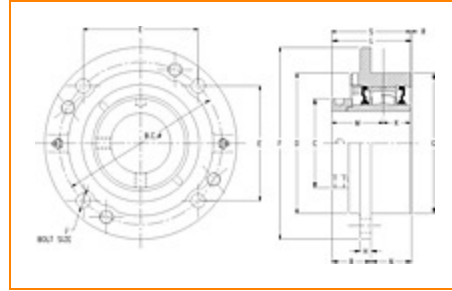
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Part Number QMC20J400S, Eccentric Piloted Flange Cartridge



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22220

Shaft Size 4 in

Shaft Size Type Imperial

Full Timken Part Number

- QMC20J400SB
- QMC20J400SC
- QMC20J400SEB
- QMC20J400SEC
- QMC20J400SEM
- QMC20J400SEN
- QMC20J400SEO
- QMC20J400SET
- QMC20J400SM
- QMC20J400SN
- QMC20J400SO
- QMC20J400ST



Locking Style	Eccentric
Housing Construction	Piloted Flange Cartridge
UPC Code	0883450061025 0883450061032 0883450061056 0883450061063 0883450061070 0883450061087 0883450061094 0883450061100 0883450165822 0883450166249 0883450258081 0883450258463

Dimensions

Dimension BC	9.38 in 238.3 mm
Dimension B Exp	2.92 in 74.2 mm
Dimension B Fix	2.84 in 72.1 mm
Dimension C	6 in 152.4 mm
Dimension D	8.13 in 206.5 mm
Dimension E	6.63 in 168.4 mm
Dimension F	10.88 in 276.4 mm
Dimension G	8.125 in 206.4 mm

Dimension H	1 in 25.4 mm
Dimension J (Bolt Size)	0.75 in 20 mm
Dimension K	1.63 in 41.4 mm
Dimension L Exp	5.04 in 128 mm
Dimension L Fix	4.96 in 126 mm
Dimension M	2.96 in 75.2 mm
Dimension N	2.13 in 54.1 mm
Dimension R	0.37 in 9.4 mm
Dimension S	4.56 in 115.8 mm

Radial and Thrust Factors

C0 - Static Load	113000 lbf 502000 N
C - Dynamic Load (Basic)	97700 lbf 435000 N
e - Geometry Factor	0.24
Y1 - Geometry Factor	2.85
Y2 - Geometry Factor	4.24

Engineering Seal Speed

Oil Lubrication - M/N Seal	1200 rpm
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Oil Lubrication - T Seal	2000 rpm
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Oil Lubrication - B/C/O Seal	900 rpm
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Grease Lubrication - M/N Seal	1200 rpm
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Grease Lubrication - T Seal	1600 rpm
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Grease Lubrication - B/C/O Seal	900 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0030 in 0.076 mm
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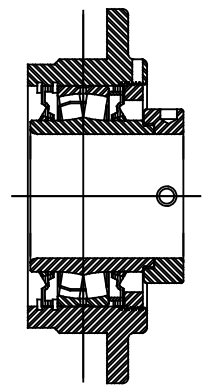
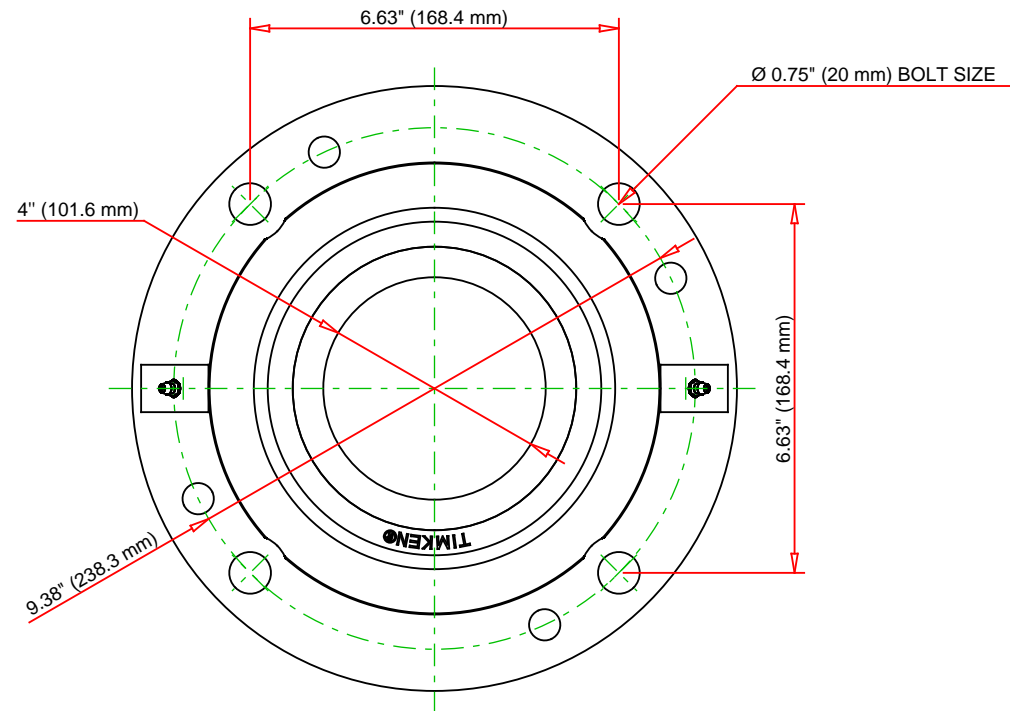
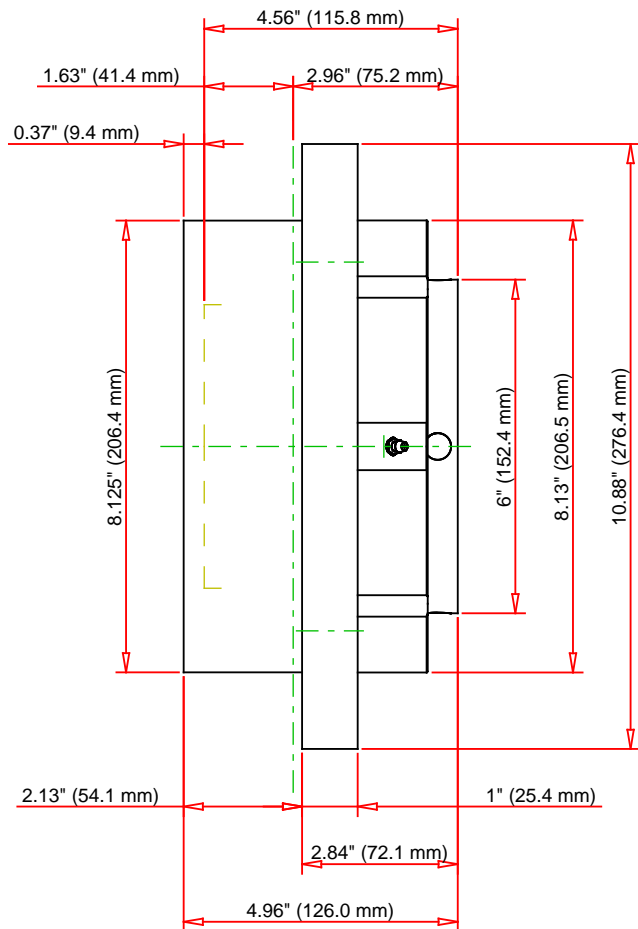
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0030
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Eng Internal Radial Clearance - Max	0.0047
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Pre Install Clearance Min	0.0030 in 0.075 mm
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Pre Install Clearance Max	0.0047 in 0.120 mm
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Note: Section View not to Scale

C - Dynamic Load	97700	lbf	435000	N
C0 - Static Load	113000	lbf	502000	N
Weight	43	lb	19.5	kg
Max. Speed T-Seals & Grease	1600	rpm		
Rad. Clearance - Max.	0.0047			

TIMKEN

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NORTH CANTON, OHIO USA

QMC20J400S
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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