



The Timken Company

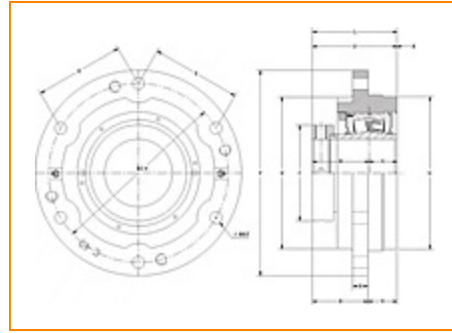
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Part Number QMC22J408S, Eccentric Piloted Flange Cartridge



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22222

Shaft Size 4 1/2 in

Shaft Size Type Imperial

Full Timken Part Number

- QMC22J408SB
- QMC22J408SC
- QMC22J408SEB
- QMC22J408SEC
- QMC22J408SEM
- QMC22J408SEN
- QMC22J408SEO
- QMC22J408SET
- QMC22J408SM
- QMC22J408SN
- QMC22J408SO
- QMC22J408ST



Locking Style	Eccentric
Housing Construction	Piloted Flange Cartridge
UPC Code	0883450029896 0883450029926 0883450061346 0883450061360 0883450061377 0883450061384 0883450061391 0883450061407 0883450165860 0883450166287 0883450258128 0883450258500

Dimensions

Dimension BC	11-3/4 in 298.5 mm
Dimension B Exp	3.72 in 94.5 mm
Dimension B Fix	3.64 in 92.5 mm
Dimension C	6.3 in 160 mm
Dimension D	10 in 254 mm
Dimension E	5.88 in 149.4 mm
Dimension F	13-1/2 in 342.900 mm
Dimension G	10.25 in 260.4 mm

Dimension H	1 in 25.4 mm
Dimension J (Bolt Size)	0.75 in 20 mm
Dimension K	1.83 in 46.5 mm
Dimension L Exp	5.62 in 142.7 mm
Dimension L Fix	5.54 in 140.7 mm
Dimension M	3.7 in 94 mm
Dimension N	1.9 in 48.3 mm
Dimension R	0.01 in 0.3 mm
Dimension S	5.53 in 140.5 mm

Radial and Thrust Factors

C0 - Static Load	147000 lbf 653000 N
C - Dynamic Load (Basic)	125000 lbf 555000 N
e - Geometry Factor	0.25
Y1 - Geometry Factor	2.73
Y2 - Geometry Factor	4.06

Engineering Seal Speed

Oil Lubrication - M/N Seal	900 rpm
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Oil Lubrication - T Seal	1700 rpm
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Oil Lubrication - B/C/O Seal	600 rpm
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Grease Lubrication - M/N Seal	900 rpm
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Grease Lubrication - T Seal	1200 rpm
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Grease Lubrication - B/C/O Seal	600 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0050 in 0.127 mm
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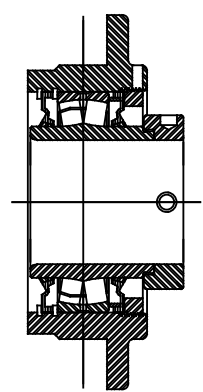
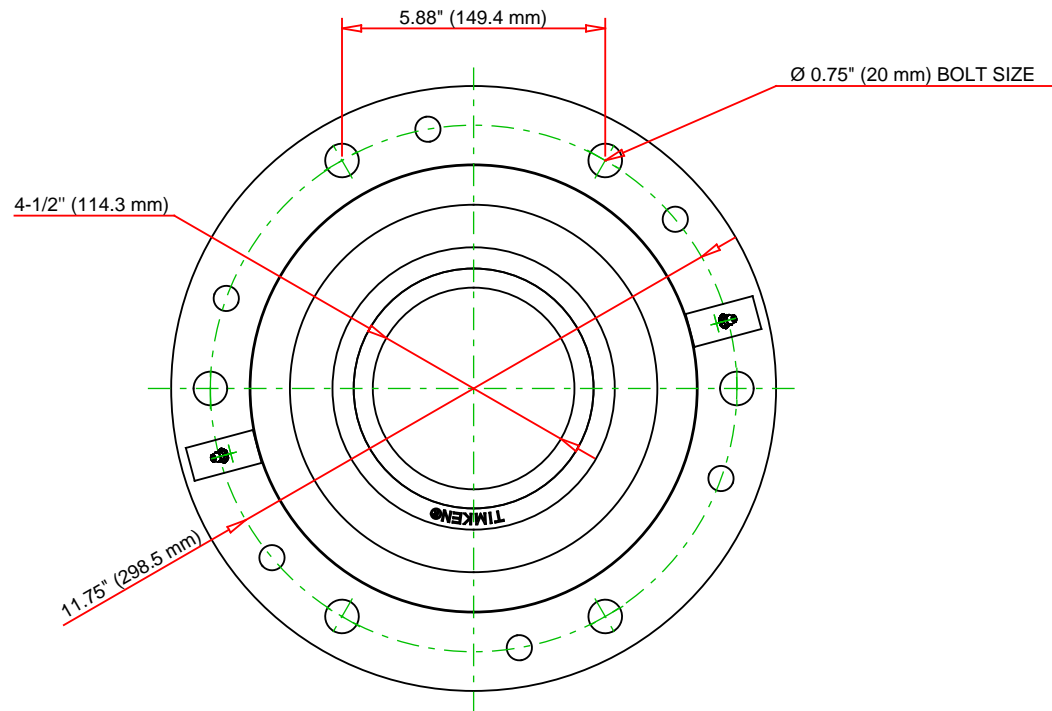
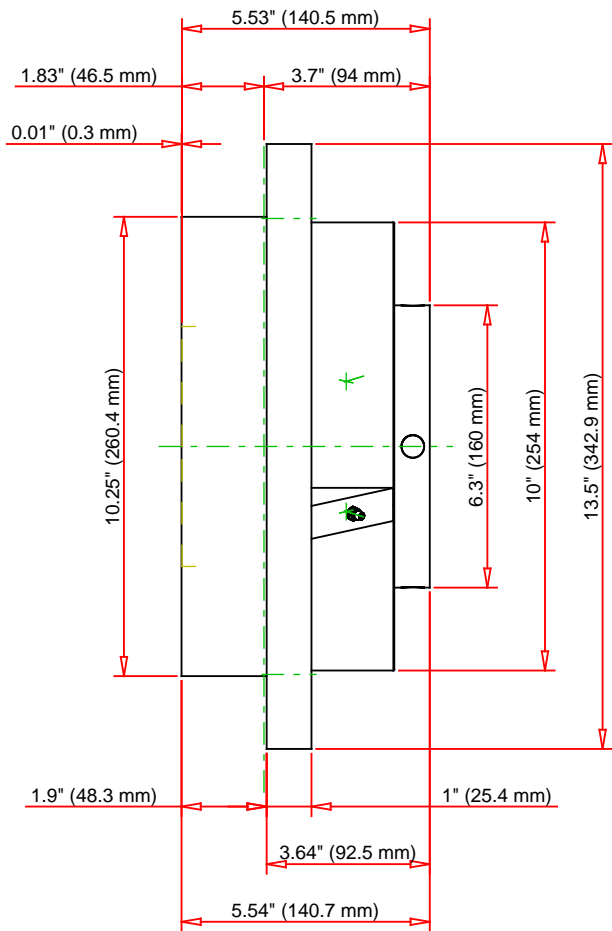
Engineering Internal Radial Clearance

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	125000	lbf	555000	N
C0 - Static Load	147000	lbf	653000	N
Weight	72	lb	32.7	kg
Max. Speed T-Seals & Grease	1200	rpm		
Rad. Clearance - Max.	0.0047			

TIMKEN

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NORTH CANTON, OHIO USA

QMC22J408S
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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