


The Timken Company

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Part Number QAC13A208S, Single Concentric Piloted Flange Cartridge


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Specifications

Engineering Group Mounted Bearing

Bearing Number 22213

Shaft Size 2 1/2 in

Shaft Size Type Imperial

Full Timken Part Number

- QAC13A208SB
- QAC13A208SC
- QAC13A208SEB
- QAC13A208SEC
- QAC13A208SEM
- QAC13A208SEN
- QAC13A208SEO
- QAC13A208SET
- QAC13A208SM
- QAC13A208SN
- QAC13A208SO
- QAC13A208ST



Locking Style	Single Concentric
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Housing Construction	Piloted Flange Cartridge
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UPC Code	0883450035309
	0883450035316
	0883450035330
	0883450035347
	0883450035354
	0883450035361
	0883450035378
	0883450035385
	0883450193191
	0883450193351
0883450270380	
0883450270540	

Dimensions

Dimension BC	6-1/2 in 165.1 mm
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Dimension B Exp	2.48 in 63 mm
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Dimension B Fix	2.36 in 59.9 mm
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Dimension C	3.8 in 96.5 mm
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Dimension D	5.5 in 139.7 mm
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Dimension E	4.6 in 116.8 mm
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Dimension F	7.63 in 193.8 mm
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Dimension G	5.5 in 139.7 mm
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Dimension H	0.69 in 17.5 mm
Dimension J (Bolt Size)	0.5 in 12 mm
Dimension KA	1.24 in 31.5 mm
Dimension L Exp	3.57 in 90.7 mm
Dimension L Fix	3.49 in 88.6 mm
Dimension M	2.15 in 54.6 mm
Dimension N	1.13 in 28.7 mm
Dimension RA	0.1 in 2.5 mm
Dimension SA	3.39 in 86.1 mm

Radial and Thrust Factors

C0 - Static Load	48600 lbf 216000 N
C - Dynamic Load (Basic)	46400 lbf 206000 N
e - Geometry Factor	0.24
Y1 - Geometry Factor	2.79
Y2 - Geometry Factor	4.15

Engineering Seal Speed

Oil Lubrication - M/N Seal	1800 rpm
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Oil Lubrication - T Seal	3200 rpm
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Oil Lubrication - B/C/O Seal	1500 rpm
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Grease Lubrication - M/N Seal	1800 rpm
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Grease Lubrication - T Seal	2800 rpm
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Grease Lubrication - B/C/O Seal	1500 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0015 in 0.038 mm
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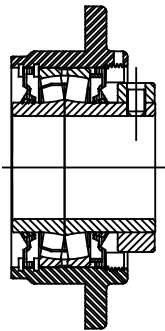
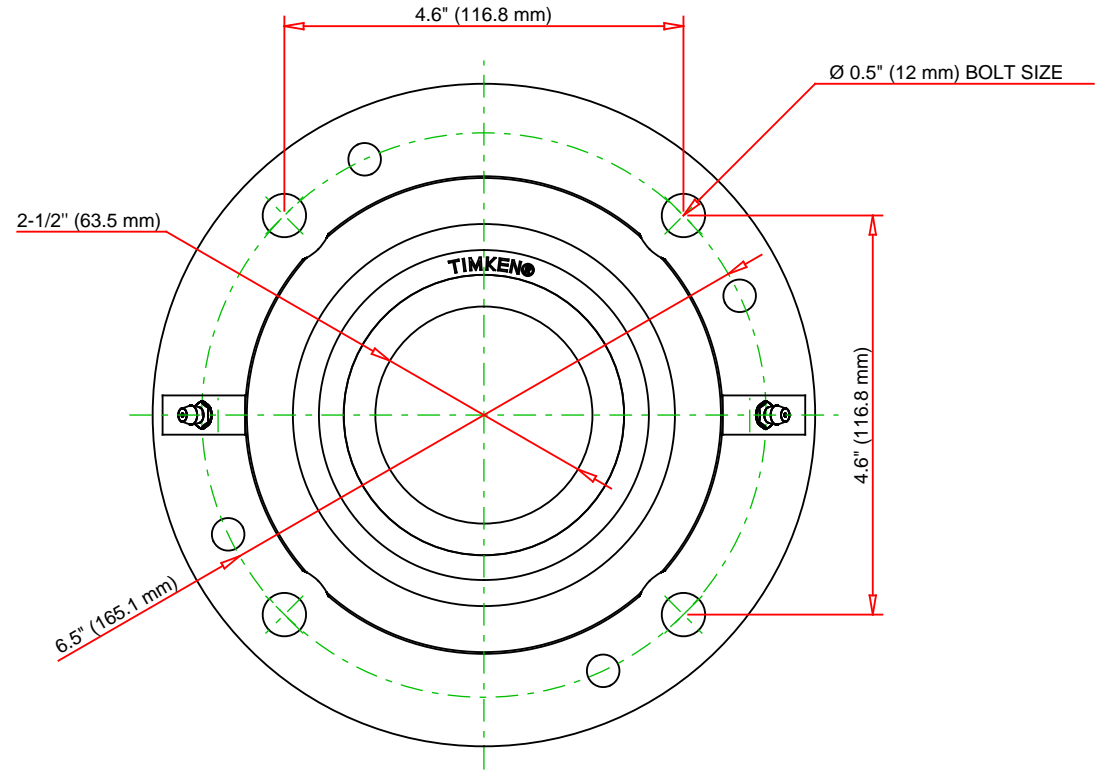
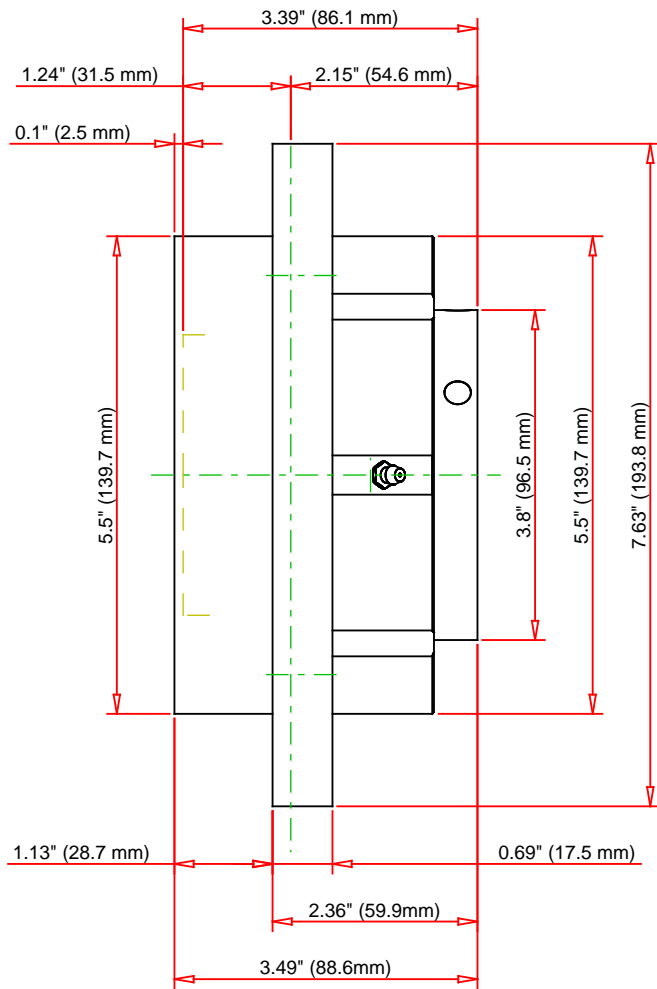
Engineering Internal Radial Clearance

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	46400	lbf	206000	N
C0 - Static Load	48600	lbf	216000	N
Weight	16	lb	7.3	kg
Max. Speed T-Seals & Grease	2800	rpm		
Rad. Clearance - Max.	0.0026			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAC13A208S

Single Concentric 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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