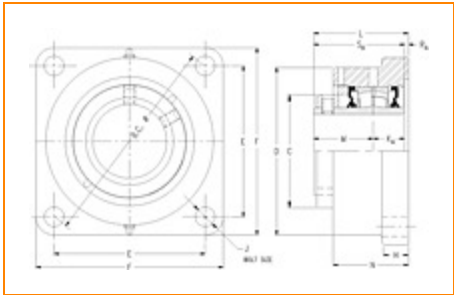




The Timken Company
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Part Number QAF13A208S, Single Concentric Four Bolt Square Flange Block



[Specifications](#) | [Dimensions](#) | [Radial and Thrust Factors](#) | [Engineering Seal Speed](#) | [Engineering Bearing Attributes](#) | [Engineering Internal Radial Clearance](#)

Specifications	
Engineering Group	Mounted Bearing
Bearing Number	22213
Shaft Size	2 1/2 in
Shaft Size Type	Imperial
Full Timken Part Number	QAF13A208SB QAF13A208SC QAF13A208SEB QAF13A208SEC QAF13A208SEM QAF13A208SEN QAF13A208SEO QAF13A208SET QAF13A208SM QAF13A208SN QAF13A208SO



	QAF13A208ST
Locking Style	Single Concentric
Housing Construction	Four-Bolt Square Flange
UPC Code	0883450038508
	0883450038515
	0883450038539
	0883450038546
	0883450038553
	0883450038560
	0883450038577
	0883450038584
	0883450190688
	0883450190848
	0883450268042
	0883450268202

Dimensions

Dimension BC	7.6 in 193 mm
Dimension C	4 in 101.6 mm
Dimension D	5.75 in 146.1 mm
Dimension E	5.38 in 136.7 mm
Dimension F	6.63 in 168.4 mm
Dimension H	1 in 25.4 mm
Dimension J (Bolt Size)	0.625 in 16 mm
Dimension KA	1.24 in 31.5 mm

Dimension L Exp	3.59 in 91.2 mm
Dimension L Fix	3.51 in 89.2 mm
Dimension M	2.15 in 54.6 mm
Dimension N	2.85 in 72.4 mm
Dimension RA	0.12 in 3 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	0.25
Y1 - Geometry Factor	2.69
Y2 - Geometry Factor	4.00

Engineering Seal Speed

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

Grease Lubrication - T Seal 2800 rpm

Grease Lubrication - B/C/O Seal 1500 rpm

Engineering Bearing Attributes

Float 0.083 in
2.108 mm

Shaft Tolerance 0.0015 in
0.038 mm

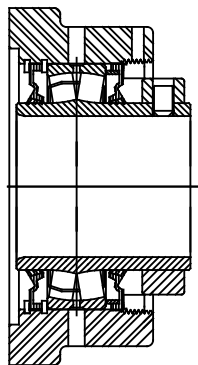
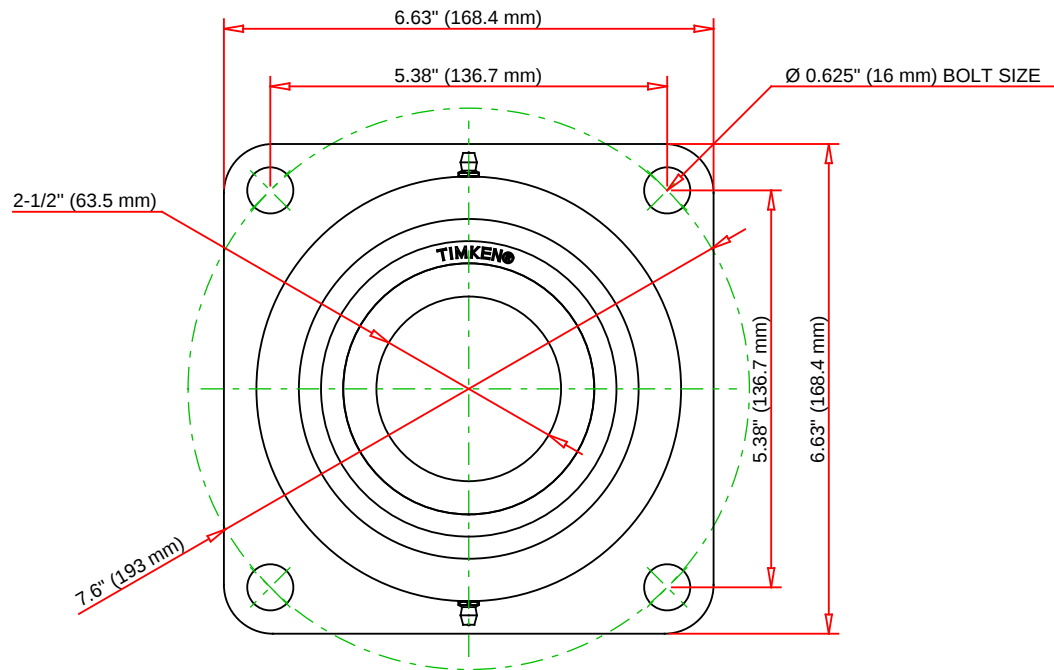
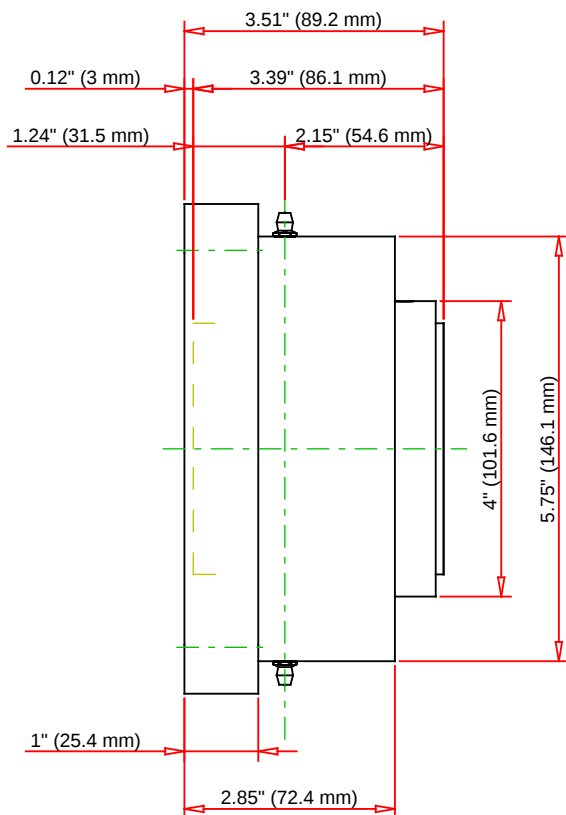
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min 0.0016

Eng Internal Radial Clearance - Max 0.0026

Pre Install Clearance Min 0.0016 in
0.040 mm

Pre Install Clearance Max 0.0026 in
0.065 mm



Note: Section View not to Scale

C - Dynamic Load	46400	lbf	206000	N
C0 - Static Load	48600	lbf	216000	N
Weight	17	lb	7.7	kg
Max. Speed T-Seals & Grease	2800	rpm		
Rad. Clearance - Max.	0.0026			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAF13A208S

Single Concentric Four Bolt Square
Flange Block

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.

FOR DISCUSSION ONLY