



The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number QAF09A112S, Single Concentric Four Bolt Square Flange Block



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Specifications	
Engineering Group	Mounted Bearing
Bearing Number	22210
Shaft Size	1 3/4 in
Shaft Size Type	Imperial
Full Timken Part Number	QAF09A112SB QAF09A112SC QAF09A112SEB QAF09A112SEC QAF09A112SEM QAF09A112SEN QAF09A112SEO QAF09A112SET QAF09A112SM QAF09A112SN QAF09A112SO



	QAF09A112ST
Locking Style	Single Concentric
Housing Construction	Four-Bolt Square Flange
UPC Code	0883450037808
	0883450037815
	0883450037839
	0883450037846
	0883450037853
	0883450037860
	0883450037877
	0883450037884
	0883450190640
	0883450190800
	0883450268004
	0883450268165

Dimensions

Dimension BC	6.19 in 157.2 mm
Dimension C	2.63 in 66.8 mm
Dimension D	4.75 in 120.7 mm
Dimension E	4.38 in 111.3 mm
Dimension F	5.5000 in 139.700 mm
Dimension H	0.88 in 22.4 mm
Dimension J (Bolt Size)	0.5 in 12 mm
Dimension KA	1 in 25.4 mm

Dimension L Exp	3.21 in 81.5 mm
Dimension L Fix	3.13 in 79.5 mm
Dimension M	1.88 in 47.8 mm
Dimension N	2.56 in 65 mm
Dimension RA	0.25 in 6.4 mm
Dimension SA	2.88 in 73.2 mm

Radial and Thrust Factors

C0 - Static Load	26600 lbf 118000 N
C - Dynamic Load (Basic)	26300 lbf 117000 N
e - Geometry Factor	0.25
Y1 - Geometry Factor	2.71
Y2 - Geometry Factor	4.04

Engineering Seal Speed

Oil Lubrication - M/N Seal	2400 rpm
Oil Lubrication - T Seal	4200 rpm
Oil Lubrication - B/C/O Seal	1800 rpm
Grease Lubrication - M/N Seal	2400 rpm

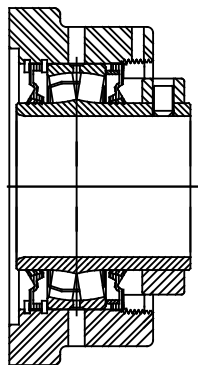
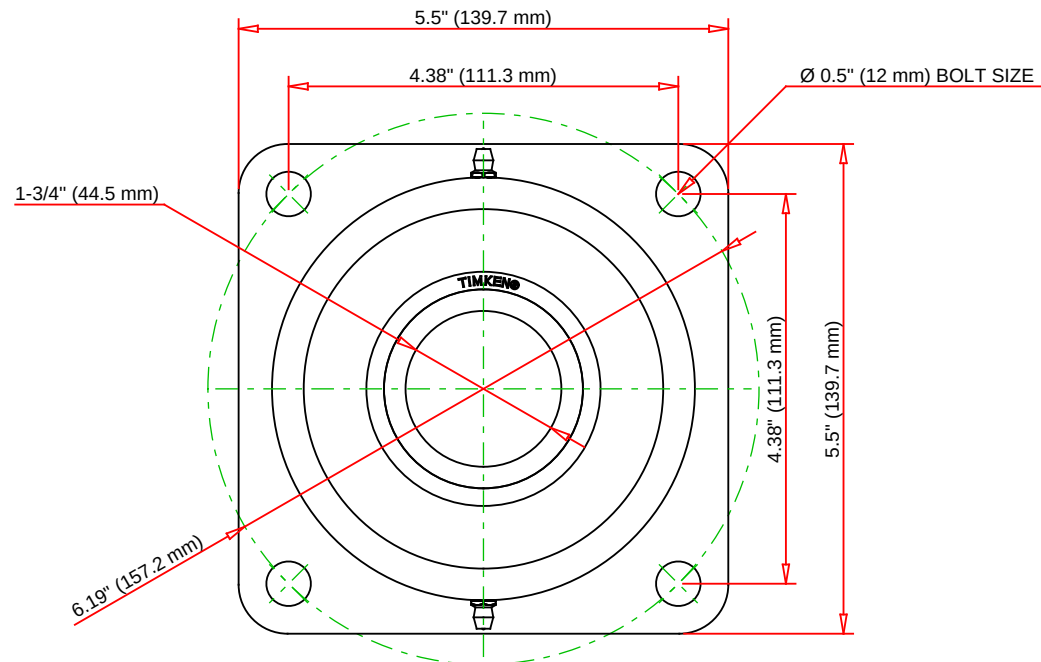
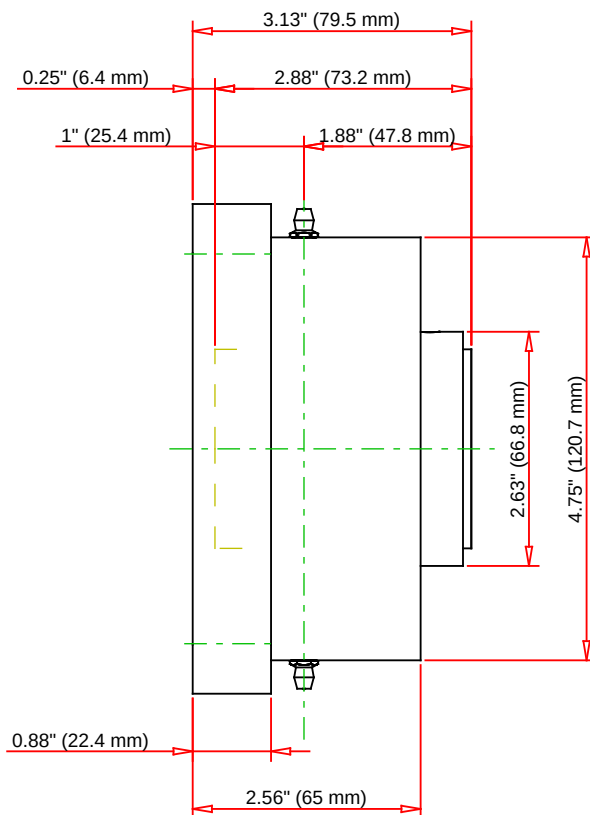
Grease Lubrication - T Seal	3550 rpm
Grease Lubrication - B/C/O Seal	1800 rpm

Engineering Bearing Attributes

Float	0.050 in 1.270 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	26300	lbf	117000	N
C0 - Static Load	26600	lbf	118000	N
Weight	11	lb	5	kg
Max. Speed T-Seals & Grease	3550	rpm		
Rad. Clearance - Max.	0.0026			

TIMKEN

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NORTH CANTON, OHIO USA

QAF09A112S

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.

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