



The Timken Company
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Part Number QAF09A040S, Single Concentric Four Bolt Square Flange Block



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Specifications

Engineering Group	Mounted Bearing
Bearing Number	22209
Shaft Size	40 mm
Shaft Size Type	Metric
Full Timken Part Number	QAF09A040SB QAF09A040SC QAF09A040SEB QAF09A040SEC QAF09A040SEM QAF09A040SEN QAF09A040SEO QAF09A040SET QAF09A040SM QAF09A040SN QAF09A040SO



	QAF09A040ST
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	5.84 in 148.3 mm
Dimension C	2.63 in 66.8 mm
Dimension D	4.66 in 118.4 mm
Dimension E	4.13 in 104.9 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	24200 lbf 108000 N
C - Dynamic Load (Basic)	24500 lbf 109000 N
e - Geometry Factor	0.25
Y1 - Geometry Factor	2.71
Y2 - Geometry Factor	4.04

Engineering Seal Speed

Oil Lubrication - M/N Seal	2700 rpm
Oil Lubrication - T Seal	4500 rpm
Oil Lubrication - B/C/O Seal	1950 rpm
Grease Lubrication - M/N Seal	2700 rpm

Grease Lubrication - T Seal 4000 rpm

Grease Lubrication - B/C/O Seal 1950 rpm

Engineering Bearing Attributes

Float 0.050 in
1.270 mm

Shaft Tolerance 0.0015 in
0.038 mm

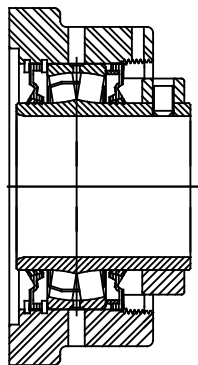
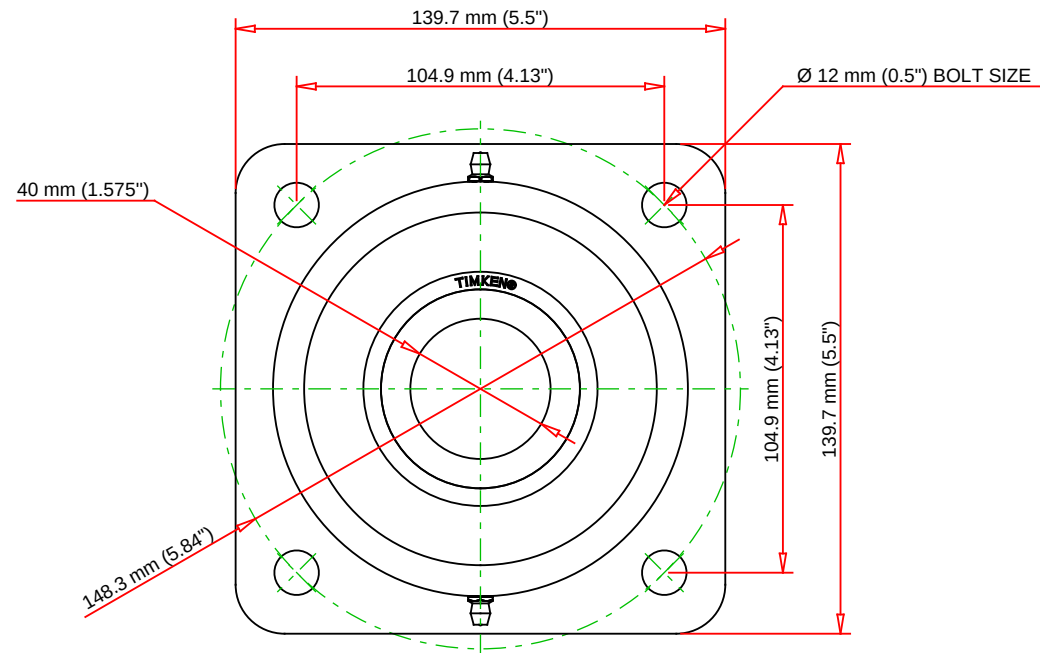
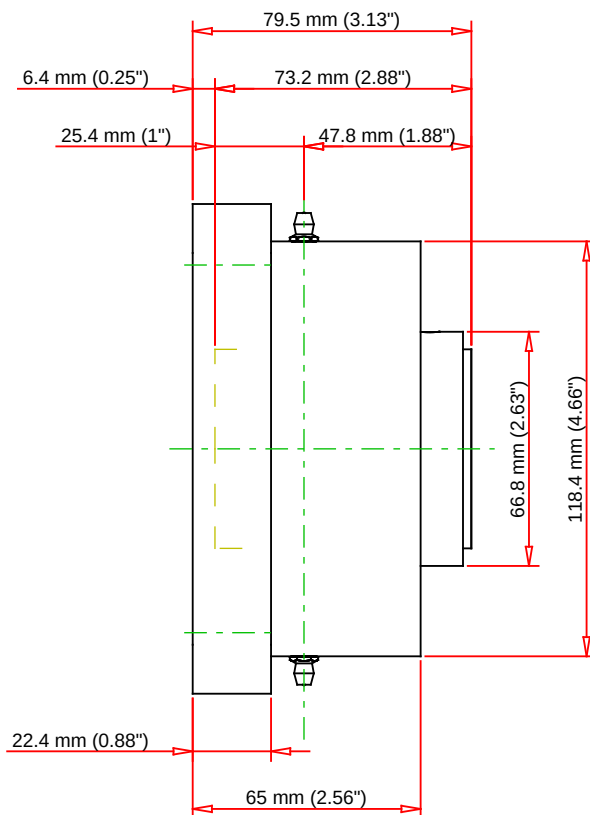
Engineering Internal Radial Clearance

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	24500	lbf	109000	N
C0 - Static Load	24200	lbf	108000	N
Weight	11	lb	5	kg
Max. Speed T-Seals & Grease	4000	rpm		
Rad. Clearance - Max.	0.0026			

TIMKEN

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NORTH CANTON, OHIO USA

QAF09A040S

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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