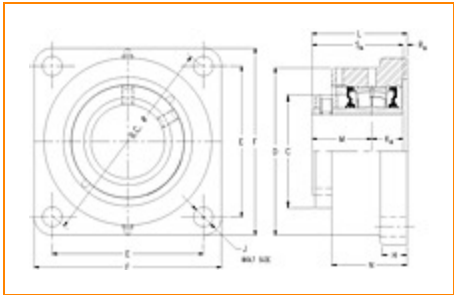




The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number QAFL10A050S, 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	22210
Shaft Size	50 mm
Shaft Size Type	Metric
Full Timken Part Number	QAFL10A050SB QAFL10A050SC QAFL10A050SEB QAFL10A050SEC QAFL10A050SEM QAFL10A050SEN QAFL10A050SEO QAFL10A050SET QAFL10A050SM QAFL10A050SN QAFL10A050SO



	QAFL10A050ST
Locking Style	Single Concentric
Housing Construction	Four-Bolt Square Flange
UPC Code	0883450039406
	0883450039413
	0883450039437
	0883450039444
	0883450039451
	0883450039468
	0883450039475
	0883450039482
	0883450191302
	0883450191463
	0883450268660
	0883450268820

Dimensions

Dimension BC	5.75 in 146.1 mm
Dimension C	2.88 in 73.2 mm
Dimension D	4.75 in 120.7 mm
Dimension E	4.07 in 103.4 mm
Dimension F	5.19 in 131.8 mm
Dimension H	0.91 in 23.1 mm
Dimension J (Bolt Size)	0.5 in 12 mm
Dimension KA	0.98 in 24.9 mm

Dimension L Exp	3.26 in 82.8 mm
Dimension L Fix	3.18 in 80.8 mm
Dimension M	1.89 in 48 mm
Dimension N	2.46 in 62.5 mm
Dimension RA	0.31 in 7.9 mm
Dimension SA	2.87 in 72.9 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

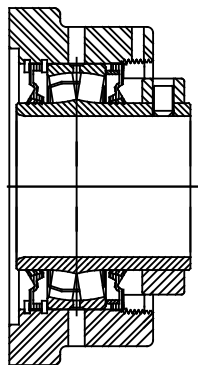
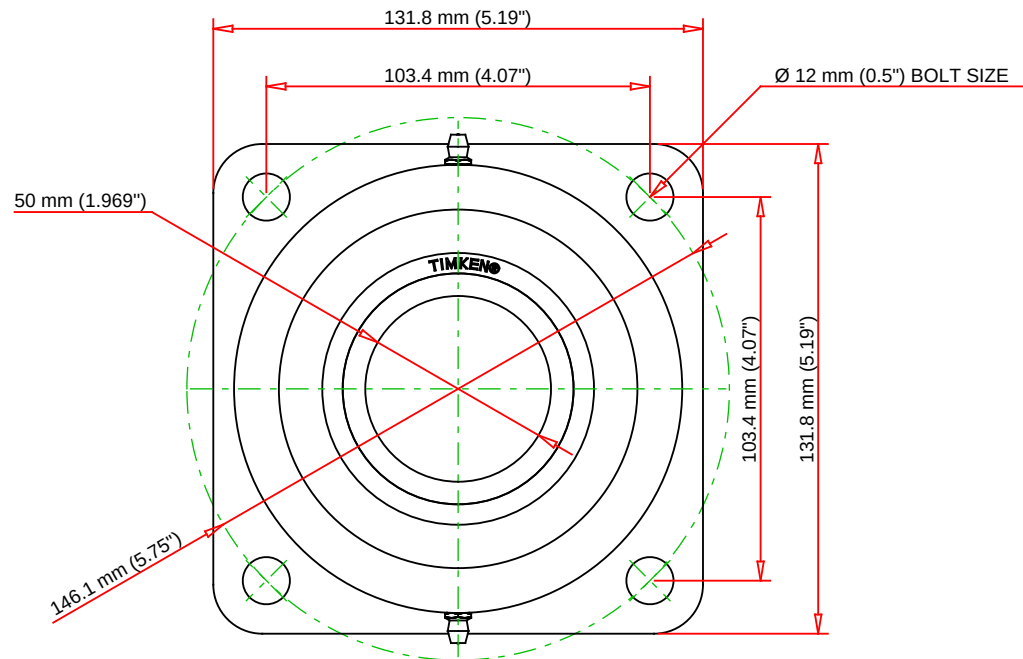
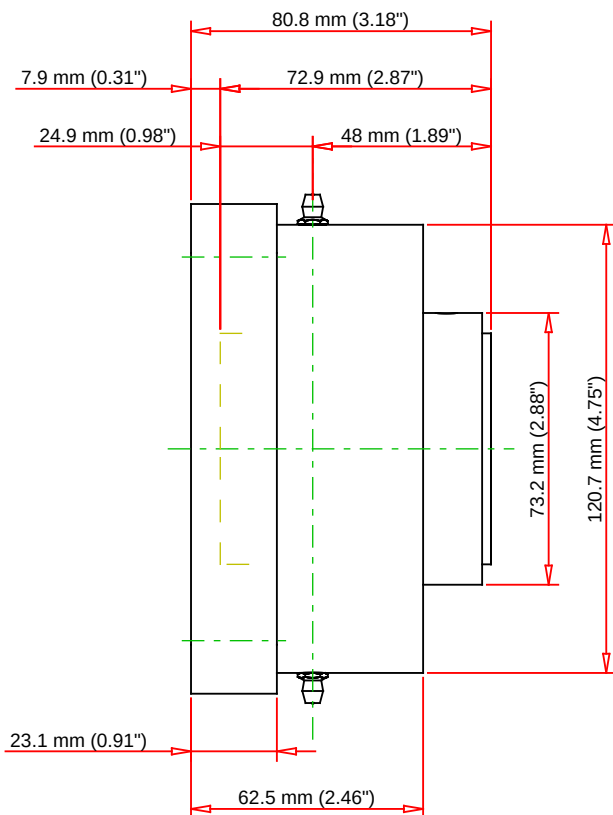
Grease Lubrication - T Seal	3550 rpm
Grease Lubrication - B/C/O Seal	1800 rpm

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

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAFL10A050S
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