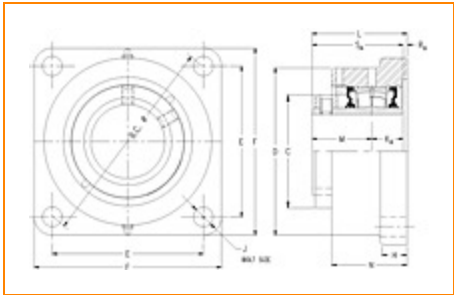




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Part Number QAFL20A315S, Single Concentric Four Bolt Square Flange Block



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

Specifications	
Engineering Group	Mounted Bearing
Bearing Number	22220
Shaft Size	3 15/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QAFL20A315SB QAFL20A315SC QAFL20A315SEB QAFL20A315SEC QAFL20A315SEM QAFL20A315SEN QAFL20A315SEO QAFL20A315SET QAFL20A315SM QAFL20A315SN QAFL20A315SO



	QAFL20A315ST
Locking Style	Single Concentric
Housing Construction	Four-Bolt Square Flange
UPC Code	0883450040808
	0883450040815
	0883450040839
	0883450040846
	0883450040853
	0883450040860
	0883450040877
	0883450040884
	0883450191425
	0883450191586
	0883450268783
	0883450268943

Dimensions

Dimension BC	10.75 in 273.1 mm
Dimension C	6 in 152.4 mm
Dimension D	8.39 in 213.1 mm
Dimension E	7.6 in 193 mm
Dimension F	9.5 in 241.3 mm
Dimension H	1 1/2 in 38.1 mm
Dimension J (Bolt Size)	1 in 24 mm
Dimension KA	1.63 in 41.4 mm

Dimension L Exp	5.29 in 134.4 mm
Dimension L Fix	5.21 in 132.3 mm
Dimension M	2.97 in 75.4 mm
Dimension N	4.12 in 104.6 mm
Dimension RA	0.62 in 15.7 mm
Dimension SA	4.59 in 116.6 mm

Radial and Thrust Factors

C0 - Static Load	113000 lbf 502000 N
C - Dynamic Load (Basic)	97700 lbf 435000 N
e - Geometry Factor	0.24
Y1 - Geometry Factor	2.84
Y2 - Geometry Factor	4.23

Engineering Seal Speed

Oil Lubrication - M/N Seal	1200 rpm
Oil Lubrication - T Seal	2000 rpm
Oil Lubrication - B/C/O Seal	900 rpm
Grease Lubrication - M/N Seal	1200 rpm

Grease Lubrication - T Seal 1600 rpm

Grease Lubrication - B/C/O Seal 900 rpm

Engineering Bearing Attributes

Float 0.083 in
2.108 mm

Shaft Tolerance 0.0030 in
0.076 mm

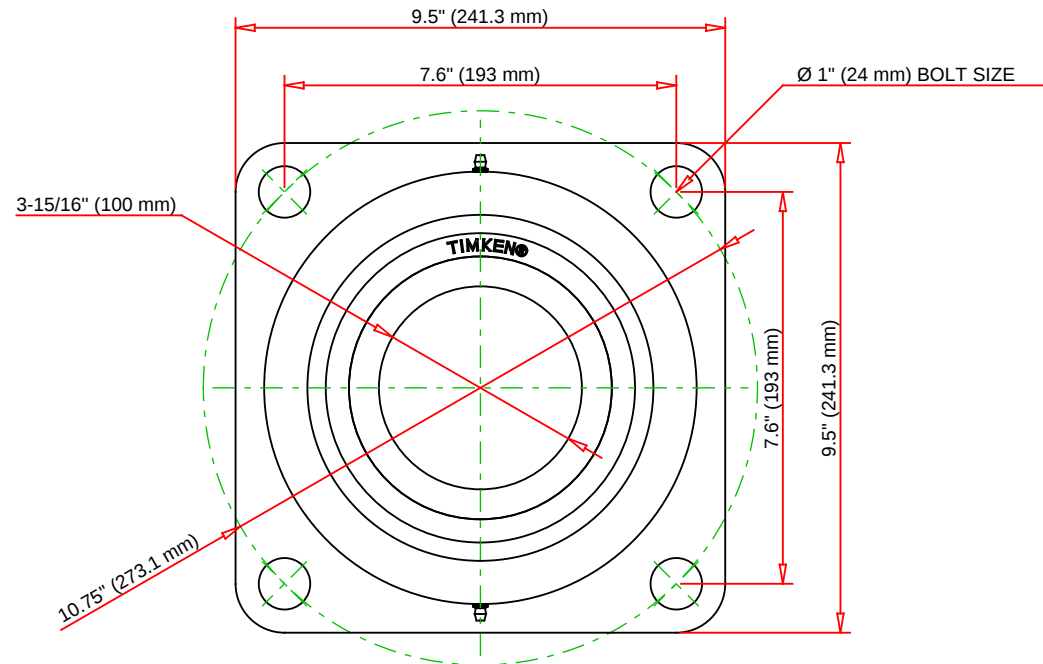
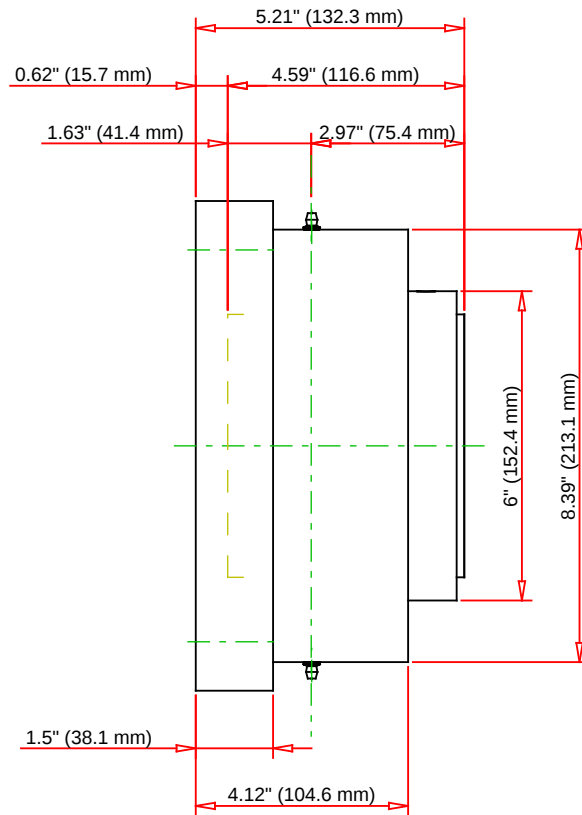
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min 0.003

Eng Internal Radial Clearance - Max 0.0047

Pre Install Clearance Min 0.0030 in
0.075 mm

Pre Install Clearance Max 0.0047 in
0.120 mm



C - Dynamic Load	97700	lbf	435000	N
C0 - Static Load	113000	lbf	502000	N
Weight	55	lb	24.9	kg
Max. Speed T-Seals & Grease	1600	rpm		
Rad. Clearance - Max.	0.0047			

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.