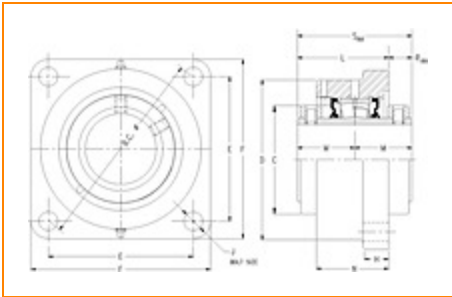




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Part Number QAAFL11A203S, Double Concentric Four Bolt Square Flange Block



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

Specifications

Engineering Group	Mounted Bearing
Bearing Number	22211
Shaft Size	2 3/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QAAFL11A203SB QAAFL11A203SC QAAFL11A203SEB QAAFL11A203SEC QAAFL11A203SEM QAAFL11A203SEN QAAFL11A203SEO QAAFL11A203SET QAAFL11A203SM QAAFL11A203SN QAAFL11A203SO



	QAAFL11A203ST
Locking Style	Double Concentric
Housing Construction	Four-Bolt Square Flange
UPC Code	0883450020404
	0883450020411
	0883450020435
	0883450020442
	0883450020459
	0883450020466
	0883450020473
	0883450020480
	0883450191630
	0883450191791
	0883450268998
	0883450269155

Dimensions

Dimension BC	6.38 in 162.1 mm
Dimension C	3.25 in 82.6 mm
Dimension D	5.19 in 131.8 mm
Dimension E	4.5 in 114.3 mm
Dimension F	5.88 in 149.4 mm
Dimension H	0.75 in 19.1 mm
Dimension J (Bolt Size)	0.625 in 16 mm
Dimension L Exp	3.36 in 85.3 mm

Dimension L Fix	3.28 in 83.3 mm
Dimension M	2 in 50.8 mm
Dimension N	2.63 in 66.8 mm
Dimension RAA	0.72 in 18.3 mm
Dimension SAA	4 in 101.6 mm

Radial and Thrust Factors

C0 - Static Load	31900 lbf 142000 N
C - Dynamic Load (Basic)	31400 lbf 140000 N
e - Geometry Factor	0.25
Y1 - Geometry Factor	2.74
Y2 - Geometry Factor	4.08

Engineering Seal Speed

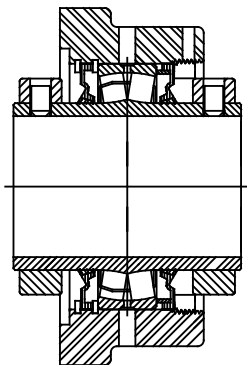
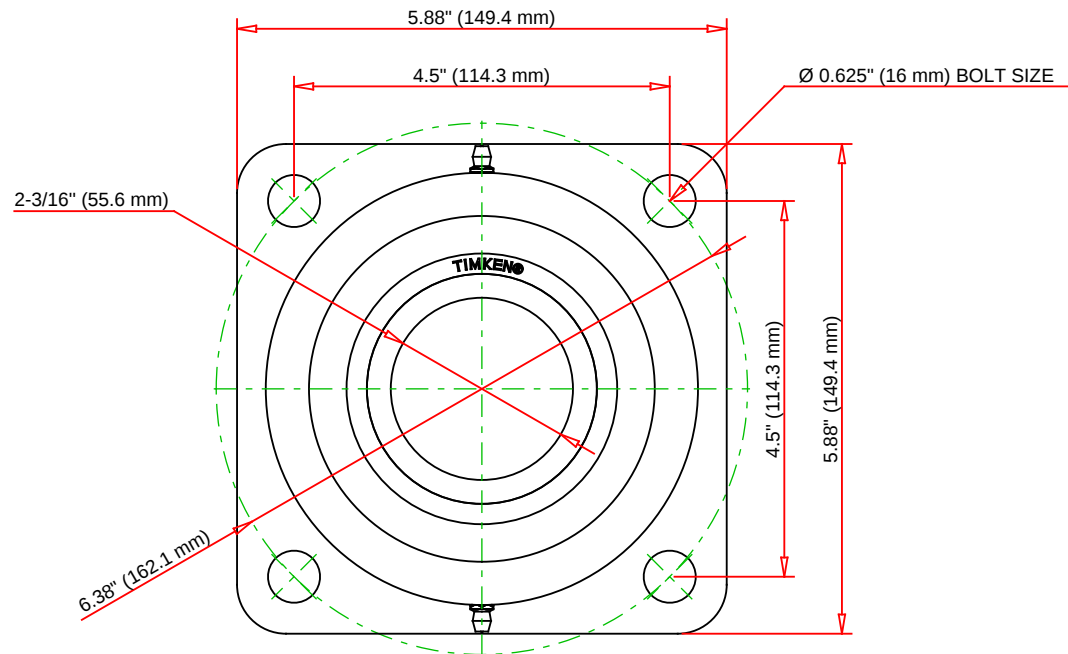
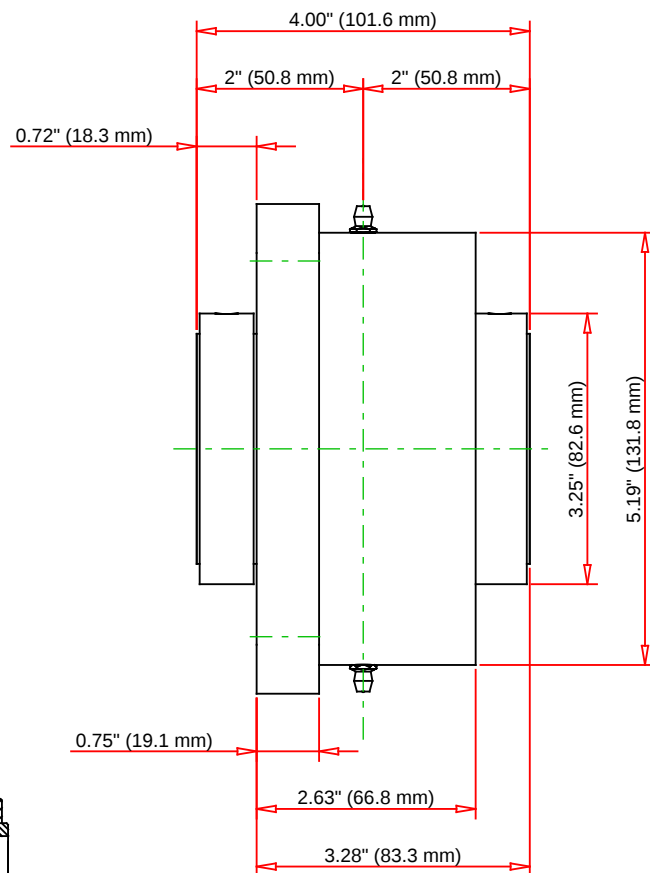
Oil Lubrication - M/N Seal	2200 rpm
Oil Lubrication - T Seal	3800 rpm
Oil Lubrication - B/C/O Seal	1600 rpm
Grease Lubrication - M/N Seal	2200 rpm
Grease Lubrication - T Seal	3200 rpm
Grease Lubrication - B/C/O Seal	1600 rpm

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	31400	lbf	140000	N
C0 - Static Load	31900	lbf	142000	N
Weight	14	lb	6.4	kg
Max. Speed T-Seals & Grease	3200	rpm		
Rad. Clearance - Max.	0.0026			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAAFL11A203S

Double 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