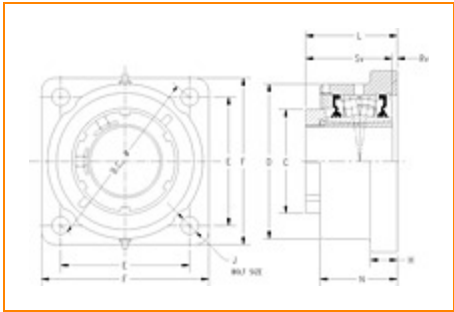




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Part Number QVFL12V203S, Single V-Lock Four-Bolt Square Flange Block



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

Specifications

Engineering Group	Mounted Bearing
Bearing Number	22212
Shaft Size	2 3/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QVFL12V203SB QVFL12V203SC QVFL12V203SEB QVFL12V203SEC QVFL12V203SEM QVFL12V203SEN QVFL12V203SEO QVFL12V203SET QVFL12V203SM QVFL12V203SN QVFL12V203SO



	QVFL12V203ST
Locking Style	Single V-Lock
Housing Construction	Four-Bolt Square Flange
UPC Code	0883450092135
	0883450092227
	0883450105286
	0883450105422
	0883450111546
	0883450111706
	0883450121361
	0883450121798
	0883450136327
	0883450136495
	0883450142359
	0883450142847

Dimensions

Dimension BC	6.38 in 162.1 mm
Dimension C	3.31 in 84.1 mm
Dimension D	5.13 in 130.3 mm
Dimension L	3.32 in 84.3 mm
Dimension E	4.51 in 114.6 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	3.4 in 86.4 mm
Dimension L Fix	3.32 in 84.3 mm
Dimension N	2.63 in 66.8 mm
Dimension RV	0.18 in 4.6 mm
Dimension SV	3.14 in 79.8 mm

Radial and Thrust Factors

C0 - Static Load	39000 lbf 174000 N
C - Dynamic Load (Basic)	38100 lbf 169000 N
e - Geometry Factor	0.24
Y1 - Geometry Factor	2.86
Y2 - Geometry Factor	4.25

Engineering Seal Speed

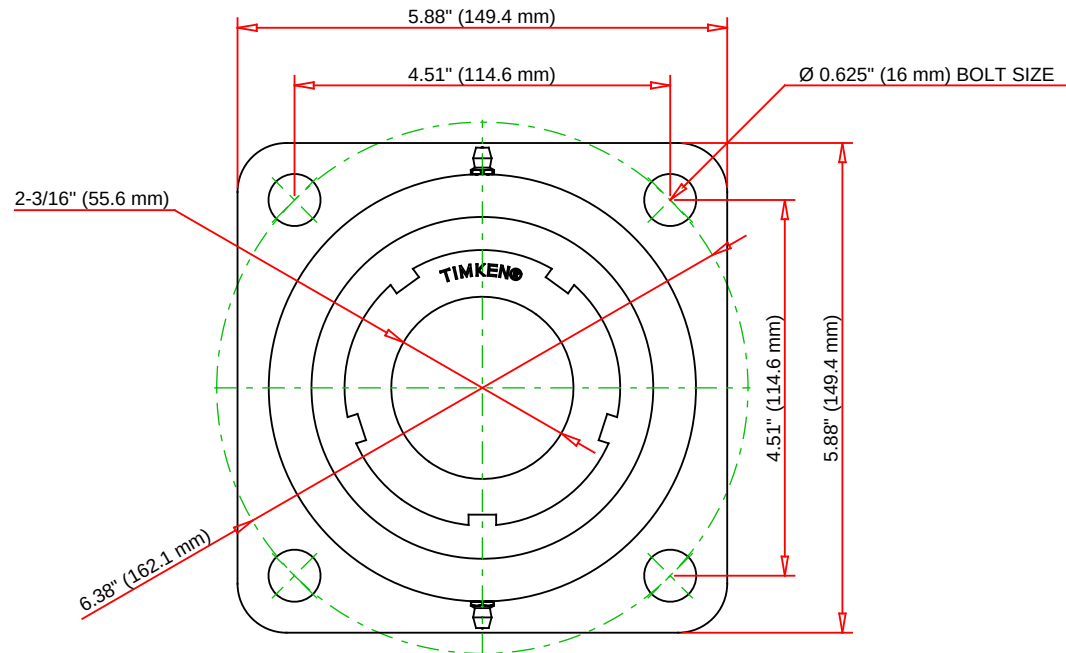
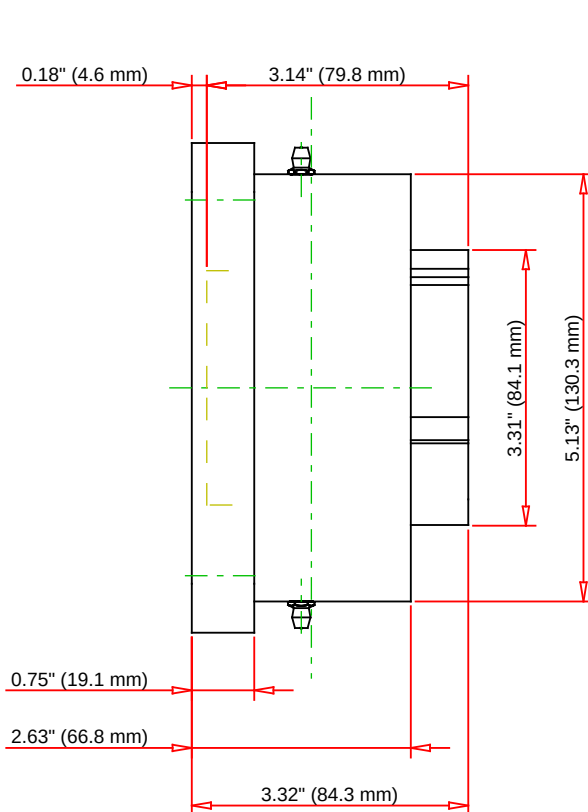
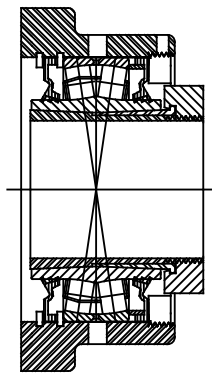
Oil Lubrication - M/N Seal	2000 rpm
Oil Lubrication - T Seal	3500 rpm
Oil Lubrication - B/C/O Seal	1650 rpm
Grease Lubrication - M/N Seal	2000 rpm
Grease Lubrication - T Seal	3000 rpm
Grease Lubrication - B/C/O Seal	1550 rpm

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	0.0030
Eng Internal Radial Clearance - Max	0.0037
Pre Install Clearance Min	0.0030 in 0.075 mm
Pre Install Clearance Max	0.0037 in 0.094 mm



Note: Section View not to Scale

C - Dynamic Load	38100	lbf	169000	N
C0 - Static Load	39000	lbf	174000	N
Weight	14	lb	6.4	kg
Max. Speed T-Seals & Grease	3000	rpm		
Rad. Clearance - Max.	0.0037			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QVFL12V203S

Single V-Lock 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