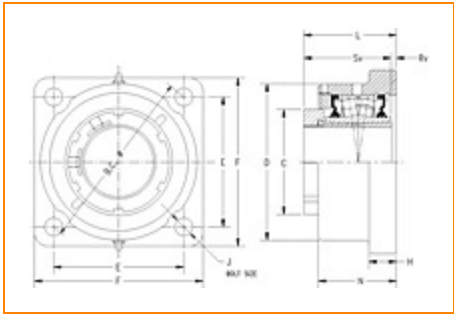




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Part Number QVF14V207S, Single V-Lock Four-Bolt Square Flange Block



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

Specifications

Engineering Group	Mounted Bearing
Bearing Number	22214
Shaft Size	2 7/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QVF14V207SB QVF14V207SC QVF14V207SEB QVF14V207SEC QVF14V207SEM QVF14V207SEN QVF14V207SEO QVF14V207SET QVF14V207SM QVF14V207SN QVF14V207SO



	QVF14V207ST
Locking Style	Single V-Lock
Housing Construction	Four-Bolt Square Flange
UPC Code	0883450039499
	0883450039529
	0883450107174
	0883450107211
	0883450178334
	0883450210683
	0883450211062
	0883450223102
	0883450223485
	0883450235600
	0883450235983
	0883450295666

Dimensions

Dimension BC	7.6 in 193 mm
Dimension C	3.7 in 94 mm
Dimension D	5.75 in 146.1 mm
Dimension L	3.35 in 85.1 mm
Dimension E	5.38 in 136.7 mm
Dimension F	6.63 in 168.4 mm
Dimension H	1 in 25.4 mm
Dimension J (Bolt Size)	0.625 in 16 mm

Dimension L Exp	3.43 in 87.1 mm
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Dimension L Fix	3.35 in 85.1 mm
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Dimension N	2.85 in 72.4 mm
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Dimension RV	0.16 in 4.1 mm
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Dimension SV	3.19 in 81 mm
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Radial and Thrust Factors

C0 - Static Load	52000 lbf 231000 N
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C - Dynamic Load (Basic)	47800 lbf 213000 N
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e - Geometry Factor	0.24
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Y1 - Geometry Factor	2.83
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Y2 - Geometry Factor	4.22
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Engineering Seal Speed

Oil Lubrication - M/N Seal	1700 rpm
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Oil Lubrication - T Seal	3050 rpm
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Oil Lubrication - B/C/O Seal	1400 rpm
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Grease Lubrication - M/N Seal	1700 rpm
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Grease Lubrication - T Seal	2600 rpm
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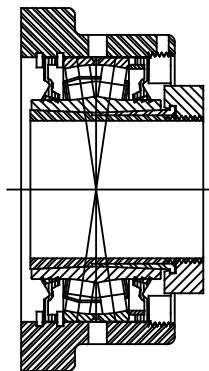
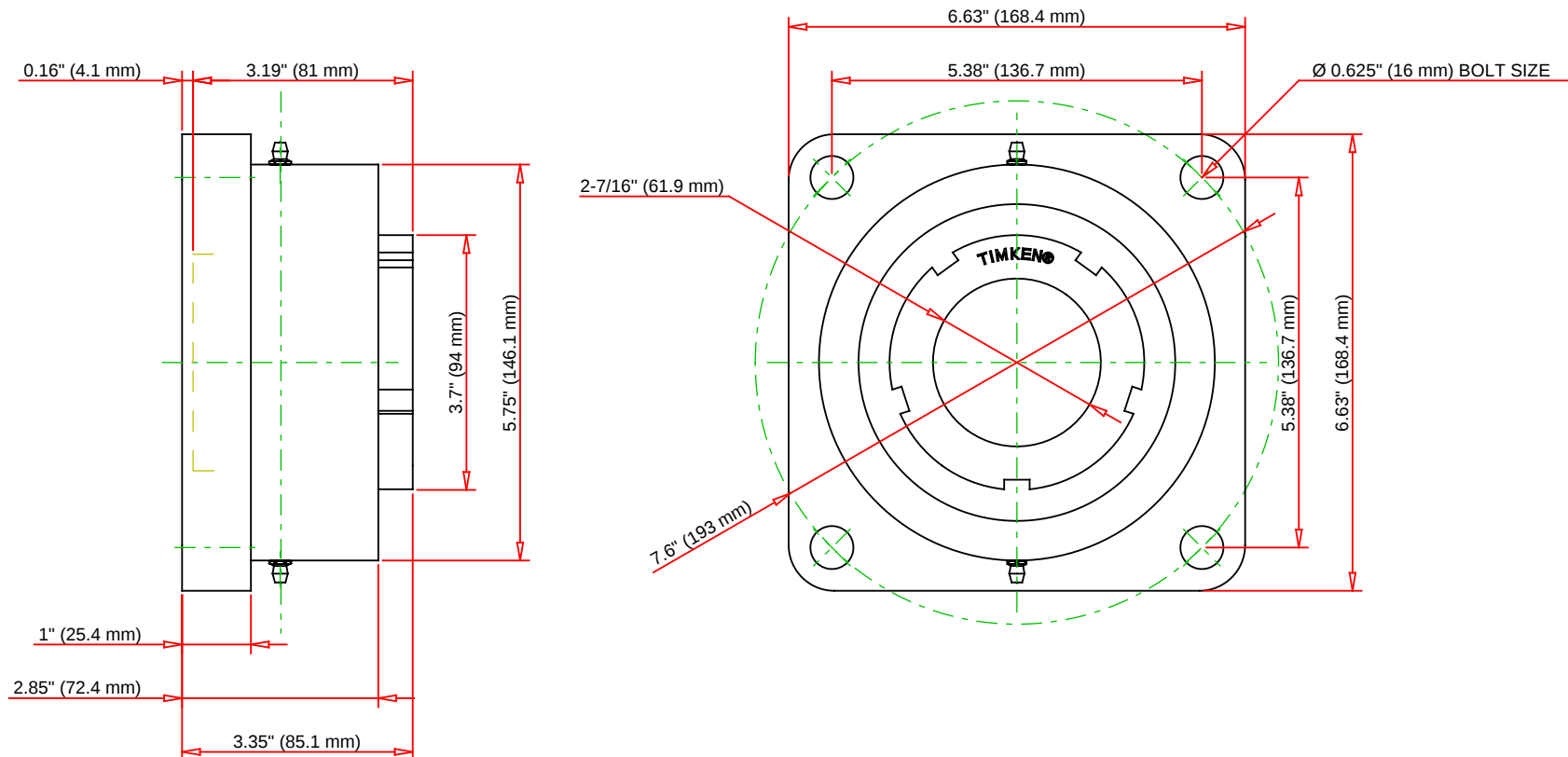
Grease Lubrication - B/C/O Seal	1400 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 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	47800	lbf	213000	N
C0 - Static Load	52000	lbf	231000	N
Weight	17	lb	7.7	kg
Max. Speed T-Seals & Grease	2600	rpm		
Rad. Clearance - Max.	0.0037			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QVF14V207S

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