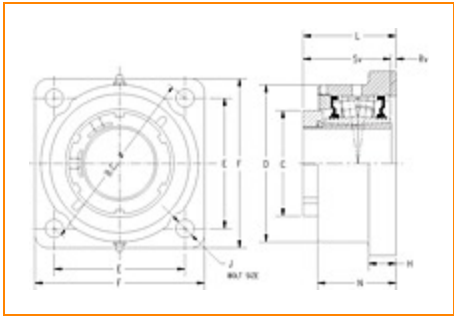




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Part Number QVFX19V307S, Single V-Lock Four-Bolt Square Flange Block



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

Specifications

Engineering Group	Mounted Bearing
Bearing Number	22219
Shaft Size	3 7/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QVFX19V307SB QVFX19V307SC QVFX19V307SEB QVFX19V307SEC QVFX19V307SEM QVFX19V307SEN QVFX19V307SEO QVFX19V307SET QVFX19V307SM QVFX19V307SN QVFX19V307SO



	QVFX19V307ST
Locking Style	Single V-Lock
Housing Construction	Four-Bolt Square Flange
UPC Code	0883450337342
	0883450337359
	0883450337366
	0883450337373
	0883450337380
	0883450337397
	0883450337403
	0883450337410
	0883450337427
	0883450337434
	0883450337441
	0883450337458

Dimensions

Dimension BC	9.5 in 241.3 mm
Dimension C	4.9 in 124.5 mm
Dimension D	7.63 in 193.8 mm
Dimension L	3.87 in 98.3 mm
Dimension E	6.72 in 170.7 mm
Dimension F	8.37 in 212.6 mm
Dimension H	1.31 in 33.3 mm
Dimension J (Bolt Size)	0.75 in 20 mm

Dimension L Exp	3.96 in 100.6 mm
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Dimension L Fix	3.87 in 98.3 mm
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Dimension N	3.31 in 84.1 mm
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Dimension RV	0.19 in 4.8 mm
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Dimension SV	3.69 in 93.7 mm
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Radial and Thrust Factors

C0 - Static Load	99000 lbf 441000 N
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C - Dynamic Load (Basic)	86600 lbf 385000 N
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e - Geometry Factor	0.24
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Y1 - Geometry Factor	2.80
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Y2 - Geometry Factor	4.17
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Engineering Seal Speed

Oil Lubrication - M/N Seal	1300 rpm
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Oil Lubrication - T Seal	2200 rpm
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Oil Lubrication - B/C/O Seal	1000 rpm
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Grease Lubrication - M/N Seal	1300 rpm
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Grease Lubrication - T Seal	1800 rpm
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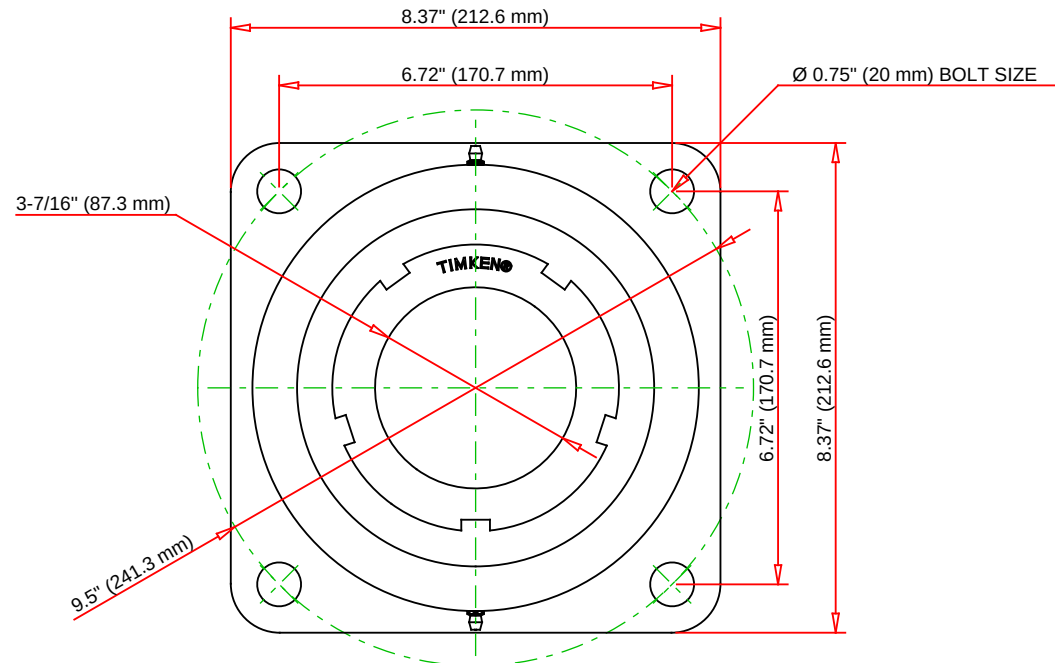
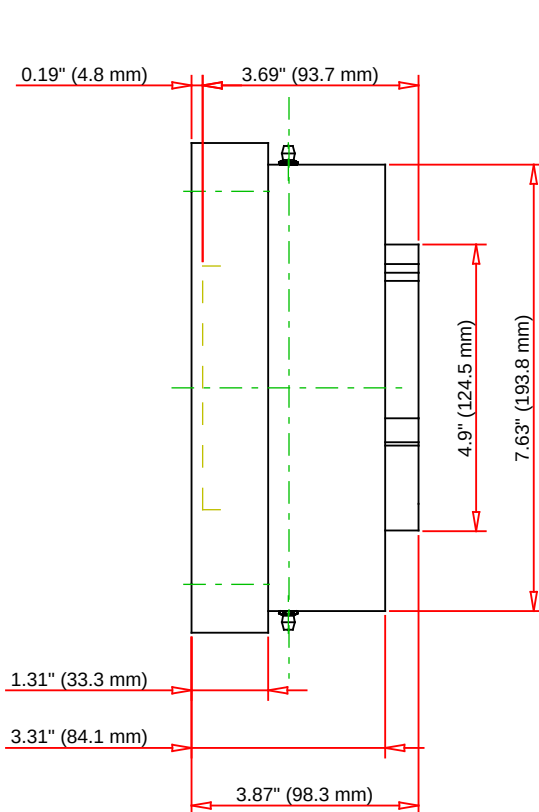
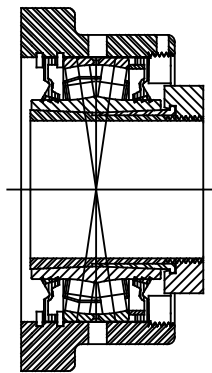
Grease Lubrication - B/C/O Seal	950 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
Shaft Tolerance	0.0030 in 0.076 mm

Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0043
Eng Internal Radial Clearance - Max	0.0055
Pre Install Clearance Min	0.0043 in 0.110 mm
Pre Install Clearance Max	0.0055 in 0.140 mm



Note: Section View not to Scale

C - Dynamic Load	86600	lbf	385000	N
C0 - Static Load	99000	lbf	441000	N
Weight	35	lb	15.9	kg
Max. Speed T-Seals & Grease	1800	rpm		
Rad. Clearance - Max.	0.0055			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QVFX19V307S

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