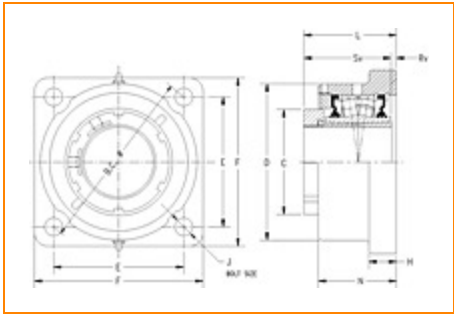




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Part Number QVF16V300S, Single V-Lock Four-Bolt Square Flange Block



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

Specifications

Engineering Group	Mounted Bearing
Bearing Number	22216
Shaft Size	3 in
Shaft Size Type	Imperial
Full Timken Part Number	QVF16V300SB QVF16V300SC QVF16V300SEB QVF16V300SEC QVF16V300SEM QVF16V300SEN QVF16V300SEO QVF16V300SET QVF16V300SM QVF16V300SN QVF16V300SO



	QVF16V300ST
Locking Style	Single V-Lock
Housing Construction	Four-Bolt Square Flange
UPC Code	0883450040198
	0883450040228
	0883450107594
	0883450107631
	0883450178402
	0883450210751
	0883450211130
	0883450223171
	0883450223553
	0883450235679
	0883450236058
	0883450295734

Dimensions

Dimension BC	8.48 in 215.4 mm
Dimension C	4.19 in 106.4 mm
Dimension D	6.65 in 168.9 mm
Dimension L	3.45 in 87.6 mm
Dimension E	6 in 152.4 mm
Dimension F	7.44 in 189 mm
Dimension H	1.06 in 26.9 mm
Dimension J (Bolt Size)	0.75 in 20 mm

<b>Dimension L Exp</b>	3.53 in 89.7 mm
<b>Dimension L Fix</b>	3.45 in 87.6 mm
<b>Dimension N</b>	2.98 in 75.7 mm
<b>Dimension RV</b>	0.16 in 4.1 mm
<b>Dimension SV</b>	3.29 in 83.6 mm

### Radial and Thrust Factors

<b>C0 - Static Load</b>	62500 lbf 278000 N
<b>C - Dynamic Load (Basic)</b>	57200 lbf 254000 N
<b>e - Geometry Factor</b>	0.22
<b>Y1 - Geometry Factor</b>	3.01
<b>Y2 - Geometry Factor</b>	4.48

### Engineering Seal Speed

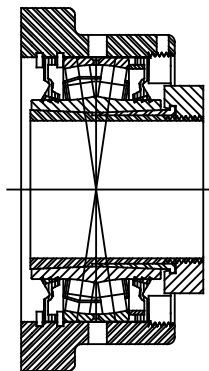
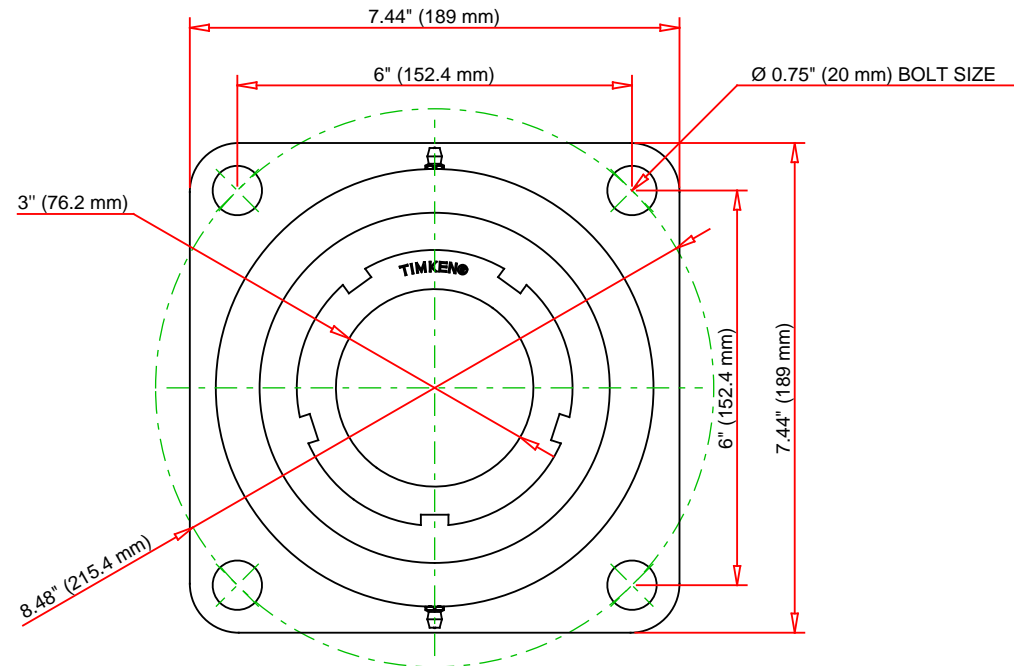
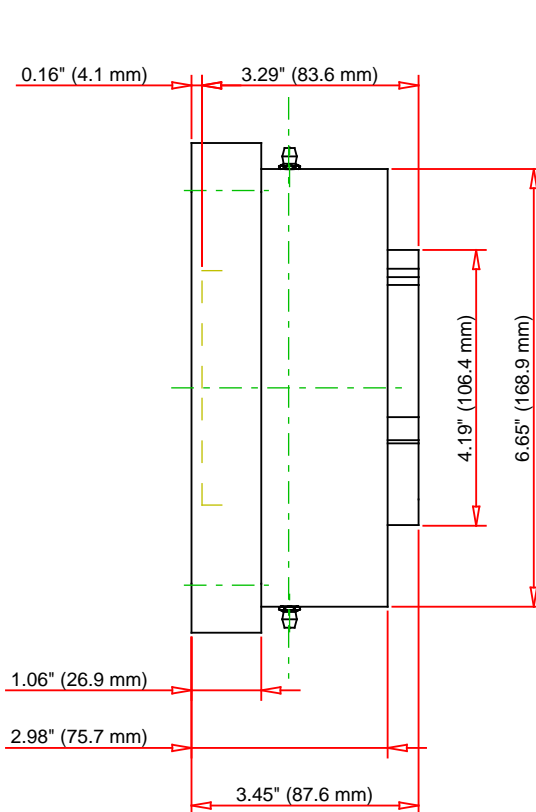
<b>Oil Lubrication - M/N Seal</b>	1500 rpm
<b>Oil Lubrication - T Seal</b>	2650 rpm
<b>Oil Lubrication - B/C/O Seal</b>	1200 rpm
<b>Grease Lubrication - M/N Seal</b>	1500 rpm
<b>Grease Lubrication - T Seal</b>	2200 rpm
<b>Grease Lubrication - B/C/O Seal</b>	1150 rpm

Engineering Bearing Attributes

Float	0.083 in 2.108 mm
Shaft Tolerance	0.0020 in 0.051 mm

Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0037
Eng Internal Radial Clearance - Max	0.0047
Pre Install Clearance Min	0.0037 in 0.095 mm
Pre Install Clearance Max	0.0047 in 0.120 mm



Note: Section View not to Scale

C - Dynamic Load	57200	lbf	254000	N
C0 - Static Load	62500	lbf	278000	N
Weight	23	lb	10.4	kg
Max. Speed T-Seals & Grease	2200	rpm		
Rad. Clearance - Max.	0.0047			

**TIMKEN**

THE TIMKEN COMPANY  
NORTH CANTON, OHIO USA

**QVF16V300S**

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**