



**The Timken Company**

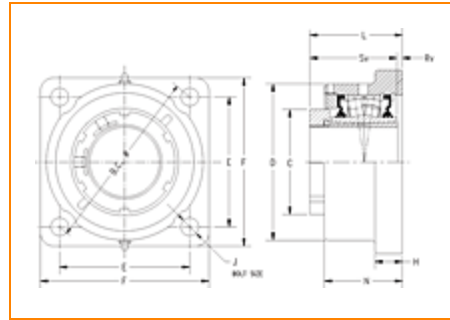
4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000

E-Mail: [CustomerCAD@timken.com](mailto:CustomerCAD@timken.com) • Web site: [www.timken.com](http://www.timken.com)

Timken Part Number QVF11V050S, Single V-Lock Four Bolt Square Flange Block



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## Specifications

**Engineering Group** Mounted Bearing

**Bearing Number** 22211

**Shaft Size** 50 mm

**Shaft Size Type** Metric

**Full Timken Part Number**

- QVF11V050SB
- QVF11V050SC
- QVF11V050SEB
- QVF11V050SEC
- QVF11V050SEM
- QVF11V050SEN
- QVF11V050SEO
- QVF11V050SET
- QVF11V050SM
- QVF11V050SN
- QVF11V050SO

QVF11V050ST

<b>Locking Style</b>	Single V-Lock
<b>Weight</b>	11.0 lb 5.0 Kg
<b>Housing Construction</b>	Four-Bolt Square Flange
<b>UPC Code</b>	0883450091602 0883450091732 0883450104586 0883450104715 0883450110204 0883450110402 0883450120517 0883450120647 0883450134347 0883450134521 0883450140805 0883450141161

## Dimensions

<b>Dimension BC</b>	6.18 in 157.0 mm
<b>Dimension C</b>	2.99 in 75.9 mm
<b>Dimension D</b>	4.750 in 120.70 mm
<b>Dimension E</b>	4.38 in 111.3 mm
<b>Dimension F</b>	5.500 in 139.70 mm
<b>Dimension H</b>	0.88 in 22.4 mm
<b>Dimension J (Bolt Size)</b>	0.5 in 12 mm

<b>Dimension L</b>	3.31 in 84.1 mm
<b>Dimension L Exp</b>	3.39 in 86.1 mm
<b>Dimension L Fix</b>	3.31 in 84.1 mm
<b>Dimension N</b>	2.560 in 65.00 mm
<b>Dimension RV</b>	0.16 in 4.1 mm
<b>Dimension SV</b>	3.14 in 79.8 mm

### Radial and Thrust Factors

<b>C0 - Static Load</b>	31900 lb 142 kN
<b>C - Dynamic Load (Basic)</b>	31400 lb 140 kN
<b>e - Geometry Factor</b>	0.25
<b>Y1 - Geometry Factor</b>	2.74
<b>Y2 - Geometry Factor</b>	4.08

### Engineering Seal Speed

<b>Oil Lubrication - M/N Seal</b>	2200 rpm
<b>Oil Lubrication - T Seal</b>	3800 rpm
<b>Oil Lubrication - B/C/O Seal</b>	1800 rpm
<b>Grease Lubrication - M/N Seal</b>	2200 rpm
<b>Grease Lubrication - T Seal</b>	3200 rpm

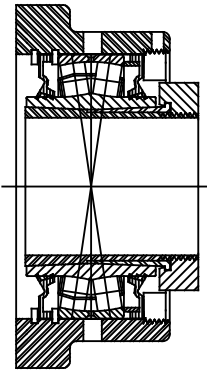
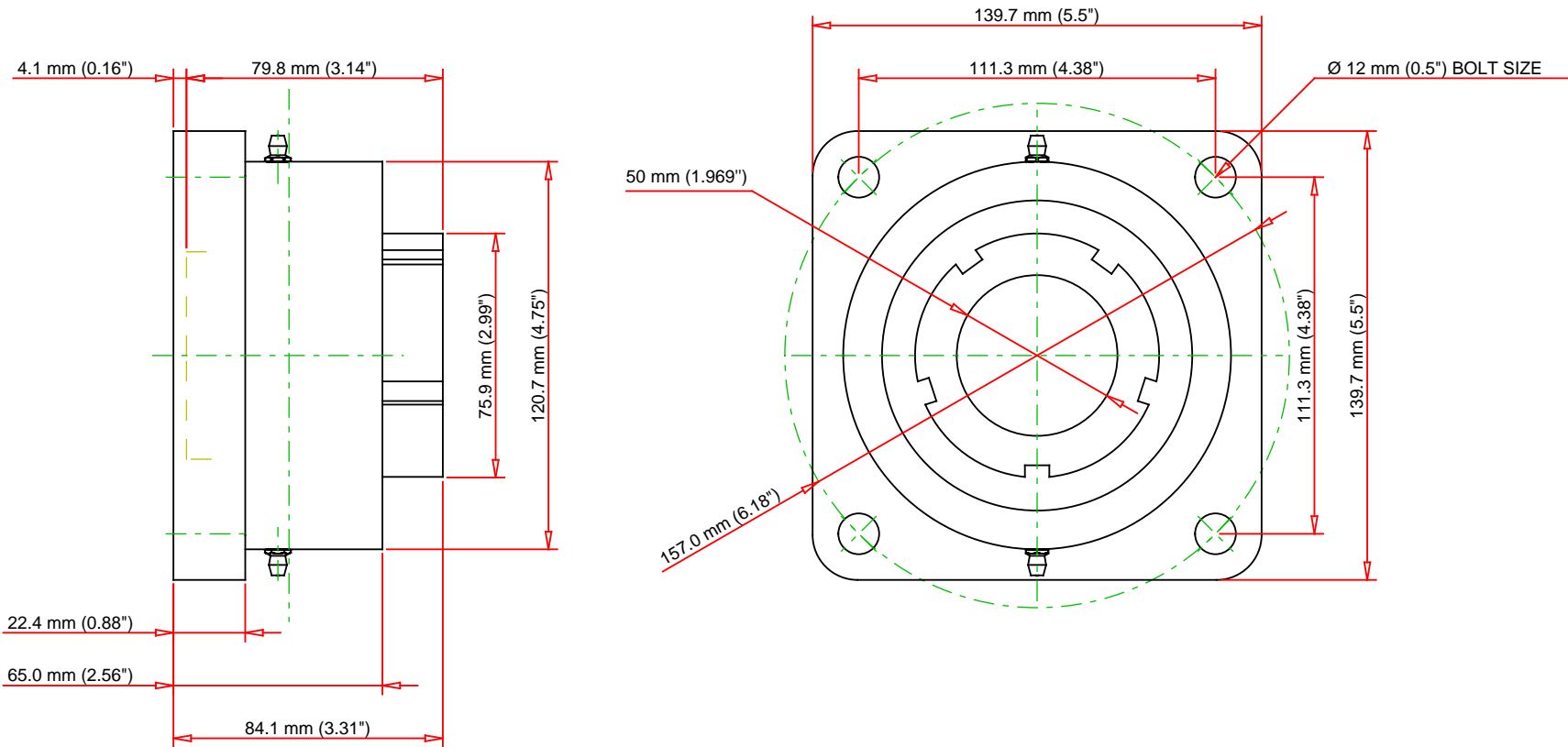
Grease Lubrication - B/C/O Seal      1600 rpm

### Engineering Bearing Attributes

<b>Float</b>	0.050 in 1.270 mm
<b>Shaft Tolerance</b>	0.0015 in 0.038 mm

### Engineering Internal Radial Clearance

<b>Eng Internal Radial Clearance - Min</b>	0.0030
<b>Eng Internal Radial Clearance - Max</b>	0.0037
<b>Pre Install Clearance Min</b>	0.0030 in 0.075 mm
<b>Pre Install Clearance Max</b>	0.0037 in 0.094 mm



Note: Section View not to Scale

C - Dynamic Load	31400	lb	140	kN
C0 - Static Load	31900	lb	142	kN
Weight	11	lb	5	kg
Max. Speed T-Seals & Grease	3200	rpm		
Rad. Clearance - Max.	0.0037			

**TIMKEN**

THE TIMKEN COMPANY  
NORTH CANTON, OHIO USA

**QVF11V050S**

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**