



**The Timken Company**

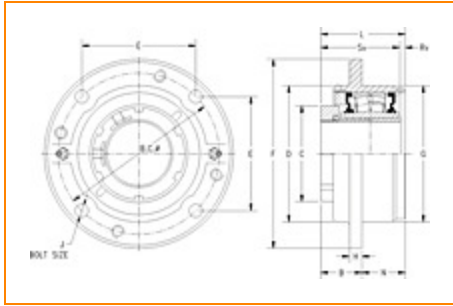
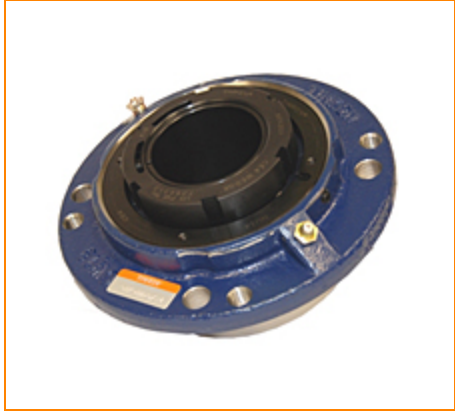
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Part Number QVCW16V300S, Single V-Lock Piloted Flange Cartridge



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**Specifications**

<b>Engineering Group</b>	Mounted Bearing
<b>Bearing Number</b>	22216
<b>Shaft Size</b>	3 in
<b>Shaft Size Type</b>	Imperial
<b>Full Timken Part Number</b>	QVCW16V300SB QVCW16V300SC QVCW16V300SEB QVCW16V300SEC QVCW16V300SEM QVCW16V300SEN QVCW16V300SEO QVCW16V300SET QVCW16V300SM QVCW16V300SN QVCW16V300SO QVCW16V300ST



<b>Locking Style</b>	Single V-Lock
<b>Housing Construction</b>	Piloted Flange Cartridge

<b>UPC Code</b>	0883450038522
	0883450062510
	0883450106450
	0883450106498
	0883450186001
	0883450213790
	0883450214179
	0883450226219
	0883450226592
	0883450238632
0883450239011	
0883450295543	

## Dimensions

<b>Dimension BC</b>	7-1/2 in 190.5 mm
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<b>Dimension C</b>	4.19 in 106.4 mm
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<b>Dimension D</b>	6.38 in 162.1 mm
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<b>Dimension E</b>	5.3 in 134.6 mm
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<b>Dimension B Exp</b>	1.56 in 39.6 mm
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<b>Dimension B Fix</b>	1.48 in 37.6 mm
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<b>Dimension F</b>	8-3/4 in 222.3 mm
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<b>Dimension H</b>	0.5 in 12.7 mm
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<b>Dimension J (Bolt Size)</b>	0.625 in 16 mm
<b>Dimension L</b>	3.35 in 85.1 mm
<b>Dimension RV</b>	0.07 in 1.8 mm
<b>Dimension SV</b>	3.29 in 83.6 mm
<b>Dimension G</b>	6.375 in 161.9 mm
<b>Dimension N</b>	1.88 in 47.8 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>	3.14
<b>Y2 - Geometry Factor</b>	4.67

### 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
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<b>Grease Lubrication - B/C/O Seal</b>	1150 rpm
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### Engineering Bearing Attributes

<b>Float</b>	0.083 in 2.108 mm
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<b>Shaft Tolerance</b>	0.0020 in 0.051 mm
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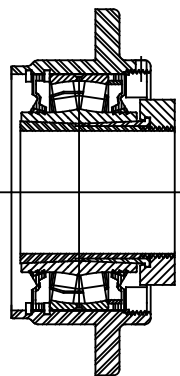
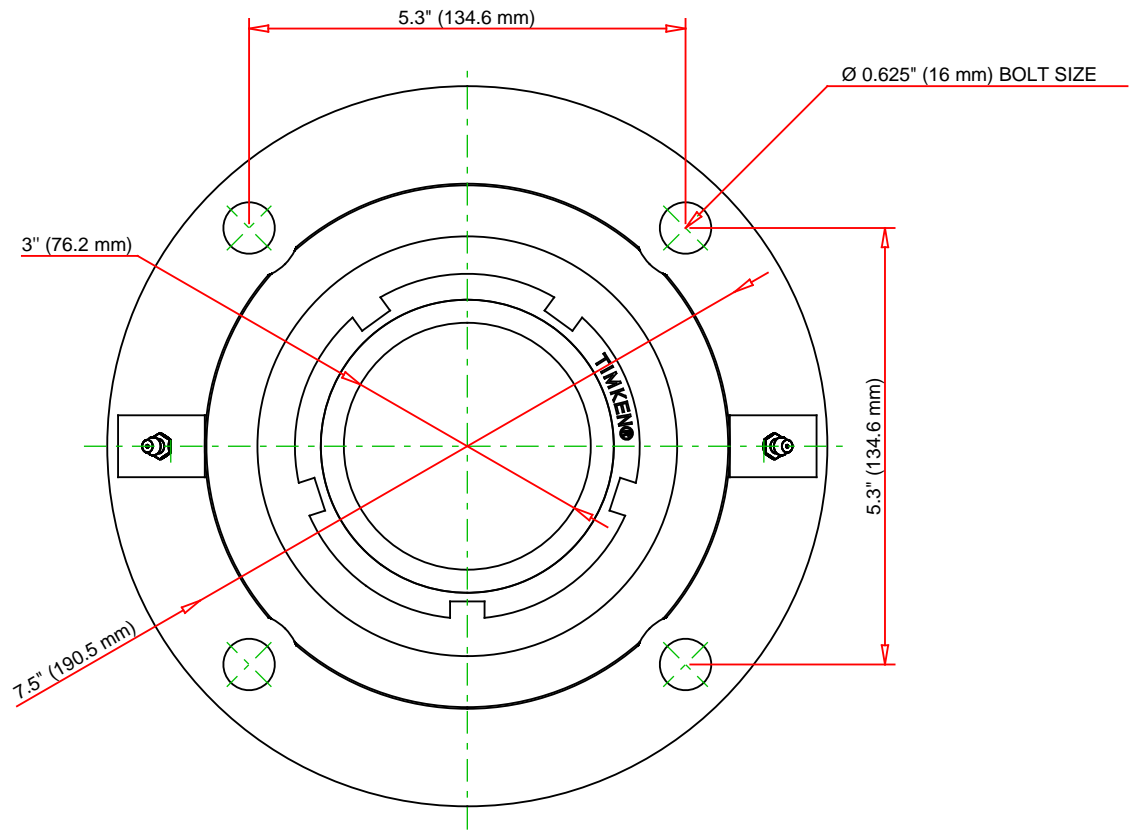
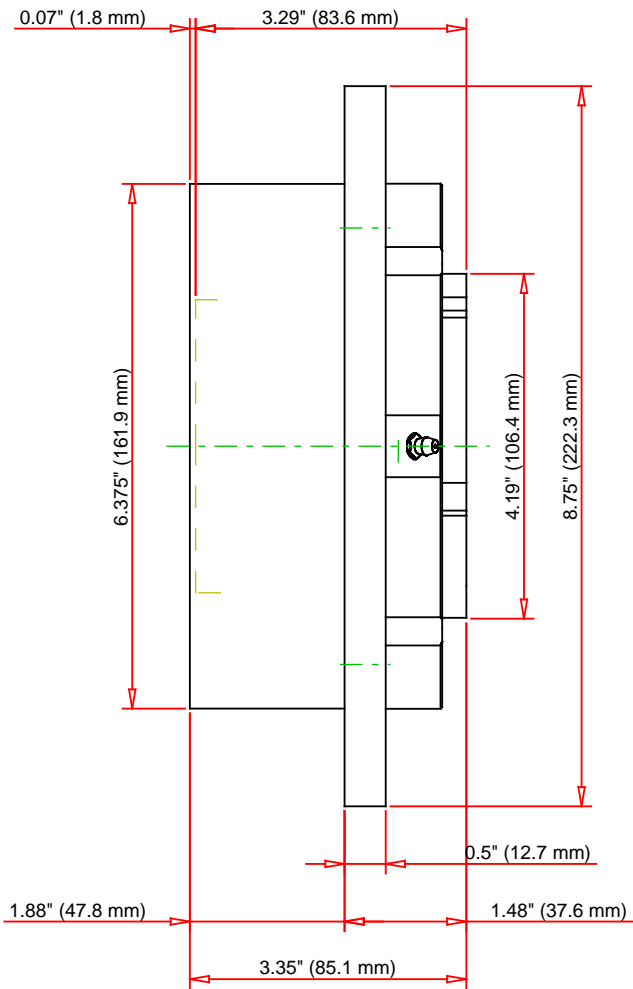
### Engineering Internal Radial Clearance

<b>Eng Internal Radial Clearance - Min</b>	0.0037
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<b>Eng Internal Radial Clearance - Max</b>	0.0047
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<b>Pre Install Clearance Min</b>	0.0037 in 0.095 mm
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<b>Pre Install Clearance Max</b>	0.0047 in 0.120 mm
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Note: Section View not to Scale

C - Dynamic Load	57200	lbf	254000	N
C0 - Static Load	62500	lbf	278000	N
Weight	22	lb	10	kg
Max. Speed T-Seals & Grease	2200	rpm		
Rad. Clearance - Max.	0.0047			

**TIMKEN**

THE TIMKEN COMPANY  
NORTH CANTON, OHIO USA

**QVCW16V300S**  
Single V-Lock Piloted Flange Cartridge

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**