


The Timken Company

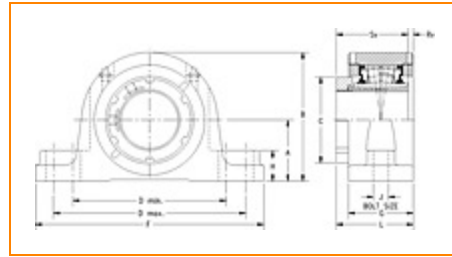
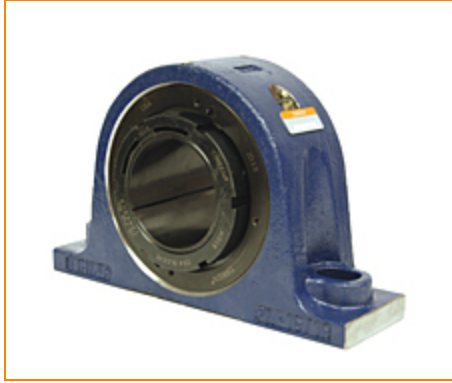
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Part Number QVP19V307S, Single V-Lock Two-Bolt Pillow Block



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22219

Shaft Size 3 7/16 in

Shaft Size Type Imperial

Full Timken Part Number
 QVP19V307SB
 QVP19V307SC
 QVP19V307SEB
 QVP19V307SEC
 QVP19V307SEM
 QVP19V307SEN
 QVP19V307SEO
 QVP19V307SET
 QVP19V307SM
 QVP19V307SN
 QVP19V307SO
 QVP19V307ST



| | |
|-----------------------------|--|
| Locking Style | Single V-Lock |
| Housing Construction | Two-Bolt Pillow Block |
| UPC Code | 0883450111317 0883450111331 0883450111348 0883450111355 0883450170666 0883450171410 0883450202183 0883450202565 0883450214605 0883450214988 0883450227025 0883450227407 |

Dimensions

| | |
|------------------------|-----------------------|
| Dimension A | 3-3/4 in 95.3 mm |
| Dimension B | 7.69 in 195.3 mm |
| Dimension C | 4.9 in 124.5 mm |
| Dimension D Min | 9.38 in 238.3 mm |
| Dimension D Max | 11.25 in 285.8 mm |
| Dimension F | 13-1/2 in 342.9 mm |
| Dimension G | 3.41 in 86.6 mm |
| Dimension H | 1.88 in 47.8 mm |

| | |
|--------------------------------|---------------------|
| Dimension J (Bolt Size) | 0.875 in 24 mm |
| Dimension L | 4.02 in 102.1 mm |
| Dimension RV | 0.23 in 5.8 mm |
| Dimension SV | 3.69 in 93.7 mm |

Radial and Thrust Factors

| | |
|---------------------------------|-----------------------|
| C0 - Static Load | 99000 lbf 441000 N |
| C - Dynamic Load (Basic) | 86600 lbf 385000 N |
| e - Geometry Factor | 0.23 |
| Y1 - Geometry Factor | 2.88 |
| Y2 - Geometry Factor | 4.29 |

Engineering Seal Speed

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

Engineering Bearing Attributes

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|--------------|----------------------|
| Float | 0.083 in 2.108 mm |
|--------------|----------------------|

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|------------------------|-----------------------|
| Shaft Tolerance | 0.0030 in 0.076 mm |
|------------------------|-----------------------|

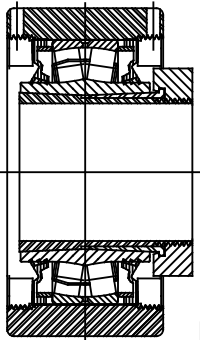
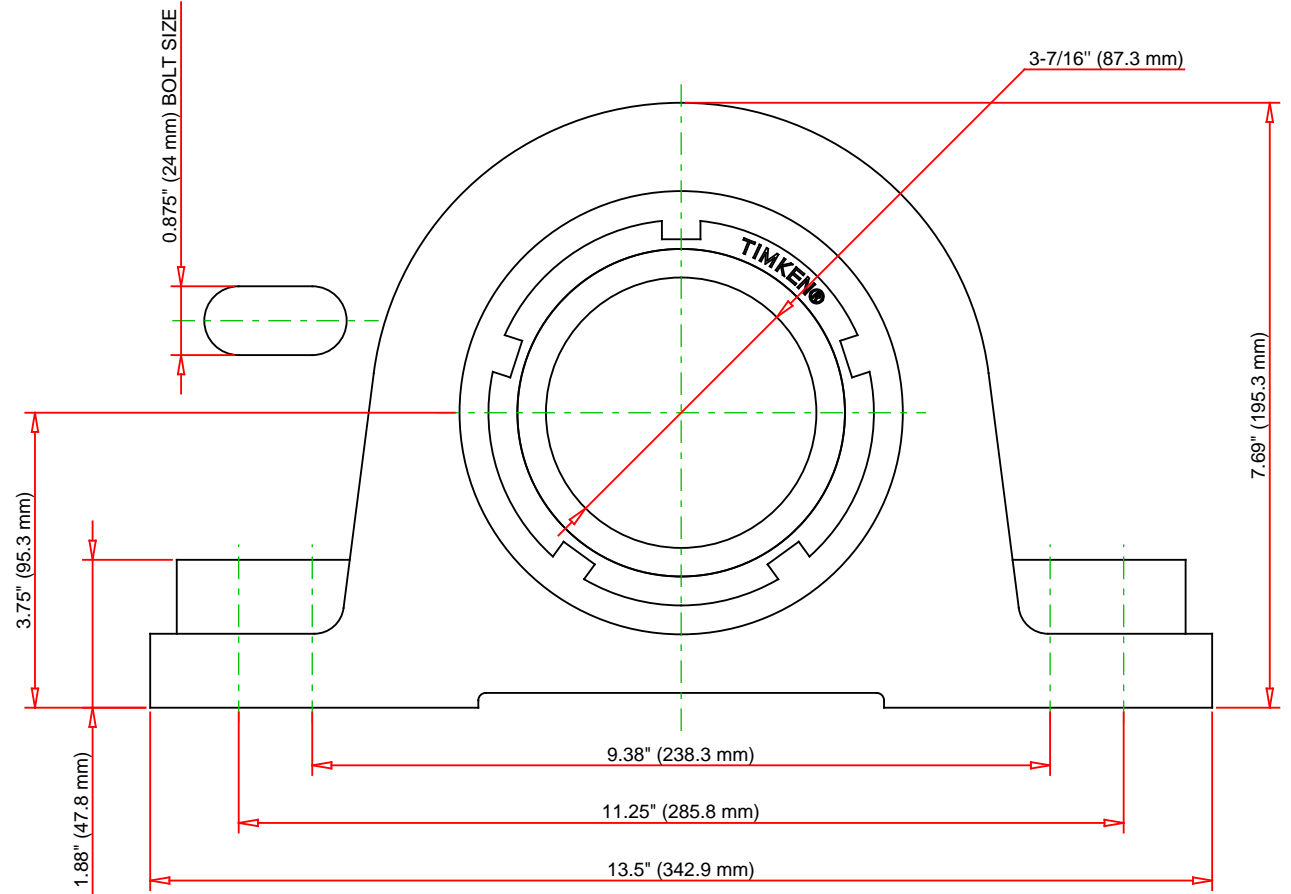
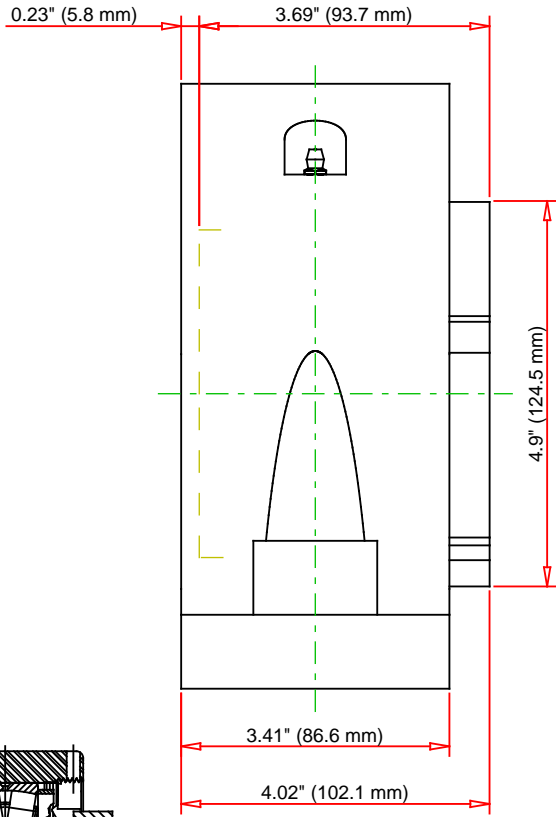
Engineering Internal Radial Clearance

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|--|--------|
| Eng Internal Radial Clearance - Min | 0.0043 |
|--|--------|

| | |
|--|--------|
| Eng Internal Radial Clearance - Max | 0.0055 |
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| | |
|----------------------------------|-----------------------|
| 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 | 45 | lb | 20.4 | kg |
| Max. Speed T-Seals & Grease | 1800 | rpm | | |
| Rad. Clearance - Max. | 0.0055 | | | |

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QVP19V307S
Single V-Lock Two-Bolt Pillow 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