



The Timken Company

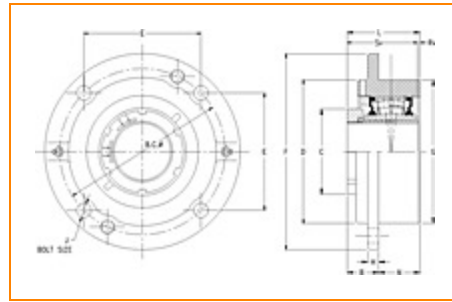
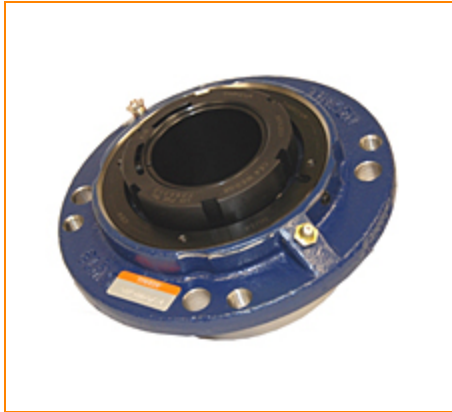
4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000

E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number QVC19V307S, Single V-Lock Piloted Flange Cartridge



[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

- QVC19V307SB
- QVC19V307SC
- QVC19V307SEB
- QVC19V307SEC
- QVC19V307SEM
- QVC19V307SEN
- QVC19V307SEO
- QVC19V307SET
- QVC19V307SM
- QVC19V307SN
- QVC19V307SO
- QVC19V307ST



QVC19V307STNG

Locking Style

Single V-Lock

Housing Construction

Piloted Flange Cartridge

UPC Code

0883450037822
0883450061810
0883450105613
0883450105651
0883450184151
0883450213080
0883450213462
0883450225502
0883450225885
0883450237925
0883450238304
0883450295369
0883450955973

Dimensions**Dimension BC**

8.63 in
219.2 mm

Dimension C

4.9 in
124.5 mm

Dimension D

7.29 in
185.2 mm

Dimension E

6.1 in
154.9 mm

Dimension B Exp

2.54 in
64.5 mm

Dimension B Fix

2.46 in
62.5 mm

Dimension F

10.34 in
262.6 mm

Dimension H	1 in 25.4 mm
Dimension J (Bolt Size)	0.75 in 20 mm
Dimension L	3.77 in 95.8 mm
Dimension RV	0.08 in 2 mm
Dimension SV	3.69 in 93.7 mm
Dimension G	7.375 in 187.3 mm
Dimension N	1.31 in 33.3 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
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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
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Shaft Tolerance	0.0030 in 0.076 mm
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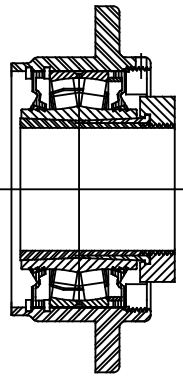
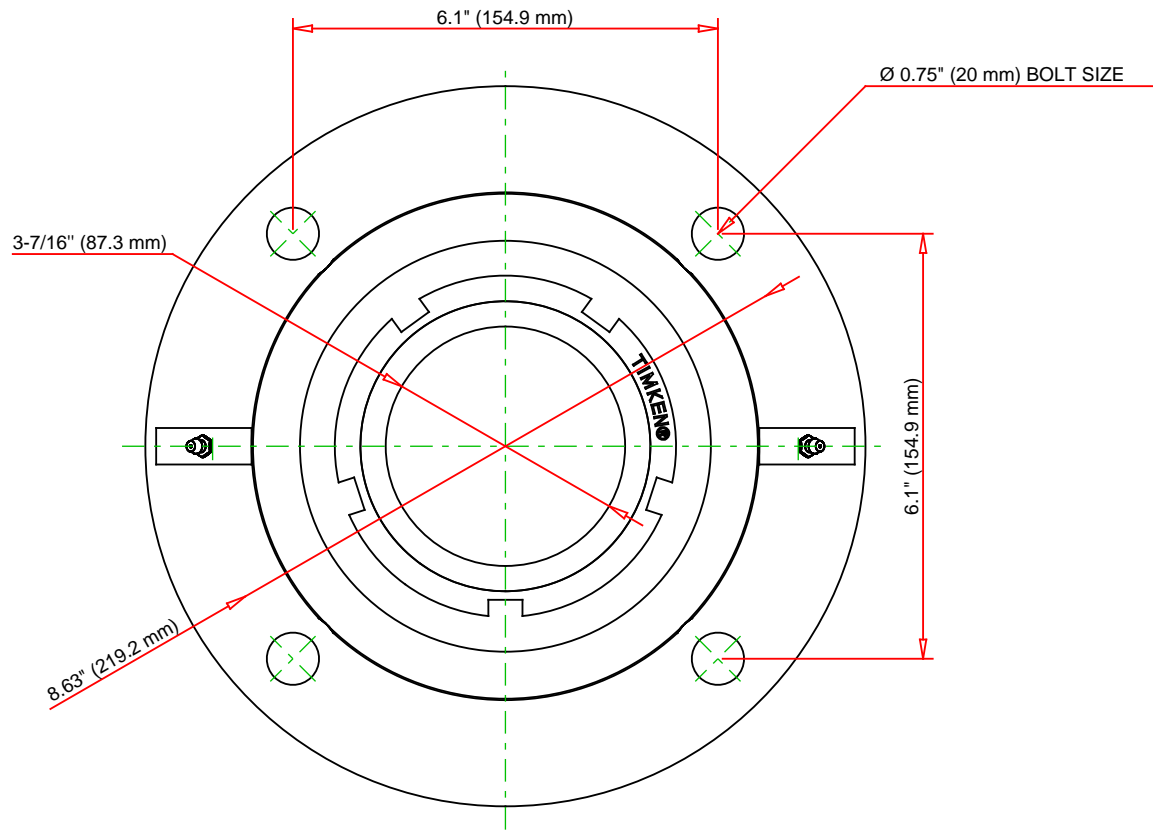
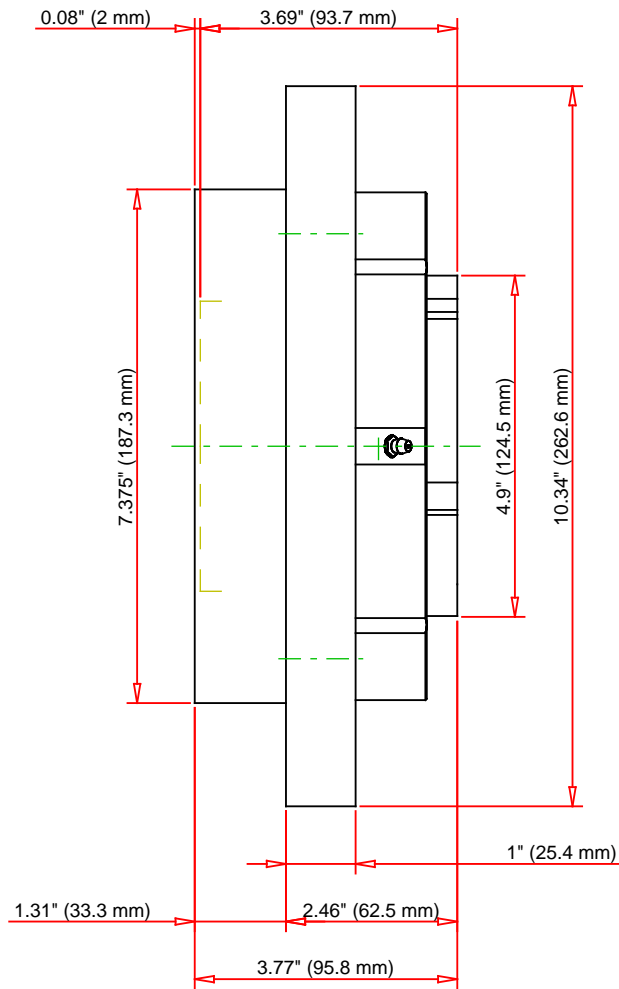
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0043
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Eng Internal Radial Clearance - Max	0.0055
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Pre Install Clearance Min	0.0043 in 0.110 mm
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Pre Install Clearance Max	0.0055 in 0.140 mm
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Note: Section View not to Scale

C - Dynamic Load	86600	lbf	385000	N
C0 - Static Load	99000	lbf	441000	N
Weight	32	lb	14.5	kg
Max. Speed T-Seals & Grease	1800	rpm		
Rad. Clearance - Max.	0.0055			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QVC19V307S

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.

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