


The Timken Company

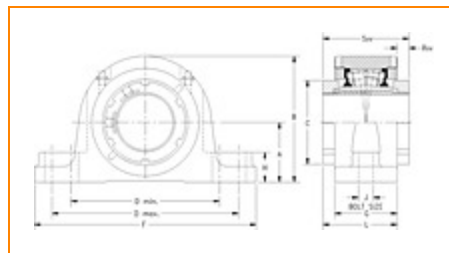
4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000

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

Part Number QVVSN19V090S, Double V-Lock Two-Bolt Pillow Block



[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	90 mm
Shaft Size Type	Metric
Full Timken Part Number	QVVSN19V090SB QVVSN19V090SC QVVSN19V090SEB QVVSN19V090SEC QVVSN19V090SEM QVVSN19V090SEN QVVSN19V090SEO QVVSN19V090SET QVVSN19V090SM QVVSN19V090SMNP



QVVSN19V090SN
QVVSN19V090SO
QVVSN19V090ST

Locking Style Double V-Lock

Housing Construction Two-Bolt Pillow Block

UPC Code

0883450149662
0883450149679
0883450177726
0883450177788
0883450178204
0883450178280
0883450205313
0883450205696
0883450217736
0883450218115
0883450230155
0883450230537
0883450456517

Dimensions

Dimension A

4.41 in
112 mm

Dimension B

8.34 in
212 mm

Dimension C

4.88 in
124 mm

Dimension D Min

11.42 in
290 mm

Dimension D Max

12.87 in
327 mm

Dimension F

14.96 in
380 mm

Dimension G

3.39 in
86 mm

Dimension H	1.53 in 39 mm
Dimension J (Bolt Size)	0.875 in 24 mm
Dimension L	4.02 in 102 mm
Dimension RVV	0.63 in 16 mm
Dimension SVV	4.65 in 118 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

Float

0.083 in
2.108 mm

Shaft Tolerance

0.0030 in
0.076 mm

Engineering Internal Radial Clearance

Eng Internal Radial Clearance -
Min

0.0043

Eng Internal Radial Clearance -
Max

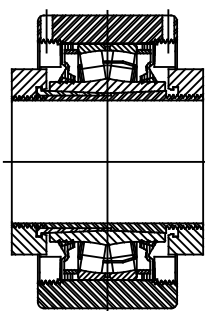
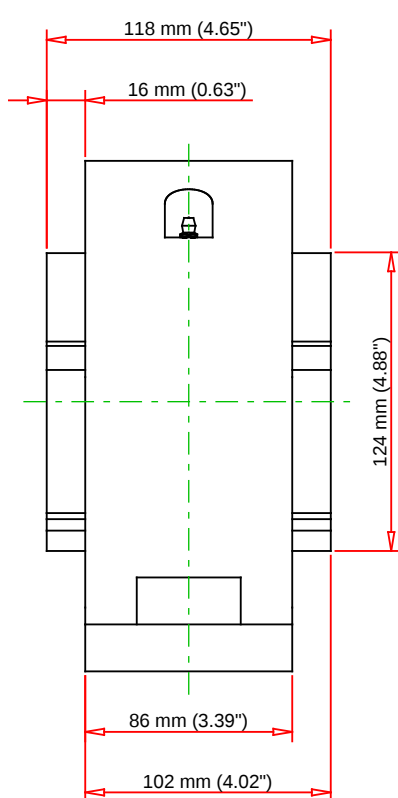
0.0055

Pre Install Clearance Min

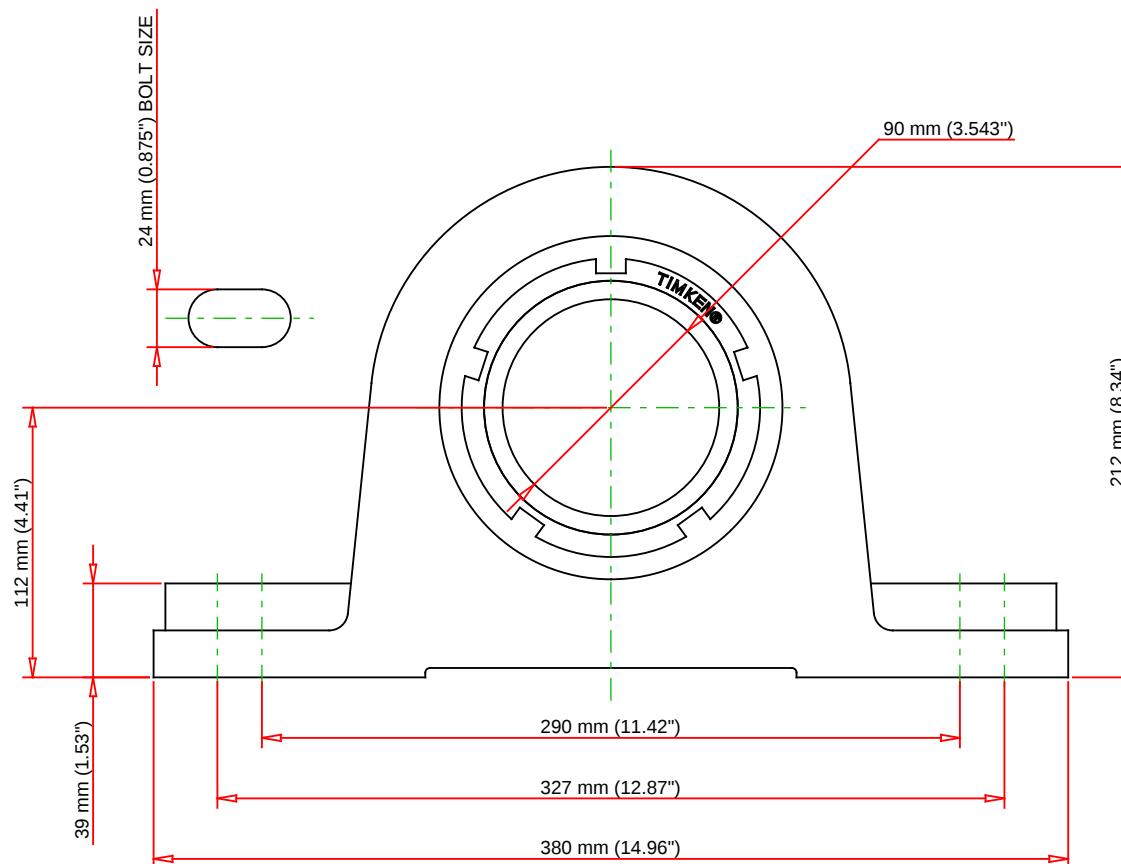
0.0043 in
0.110 mm

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	56	lb	25.4	kg
Max. Speed T-Seals & Grease	1800	rpm		
Rad. Clearance - Max.	0.0055			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QVVSN19V090S
Double 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