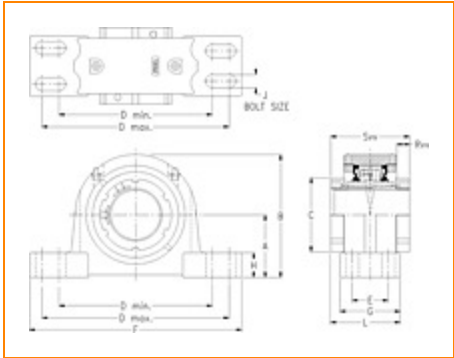
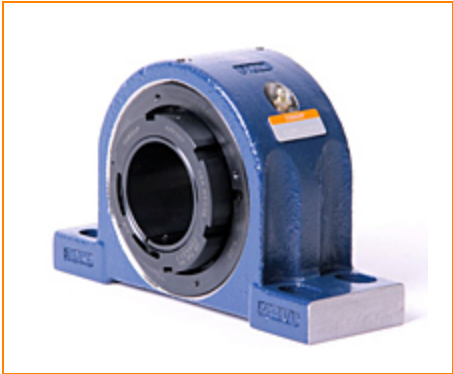




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Part Number QVVPH20V307S, Double V-Lock Four-Bolt Pillow Block



[Specifications](#) | [Dimensions](#) | [Radial and Thrust Factors](#) | [Engineering Seal Speed](#) | [Engineering Bearing Attributes](#) | [Engineering Internal Radial Clearance](#)

Specifications

Engineering Group	Mounted Bearing
Bearing Number	22220
Shaft Size	3 7/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QVVPH20V307SB QVVPH20V307SC QVVPH20V307SEB QVVPH20V307SEC QVVPH20V307SEM QVVPH20V307SEN QVVPH20V307SEO QVVPH20V307SET QVVPH20V307SM QVVPH20V307SN QVVPH20V307SO QVVPH20V307ST



Locking Style	Double V-Lock
Housing Construction	Four-Bolt Pillow Block
UPC Code	0883450076289
	0883450076296
	0883450209168
	0883450209311
	0883450221597
	0883450221740
	0883450234023
	0883450234177
	0883450242769
	0883450242912
	0883450247726
	0883450247870

Dimensions

Dimension A	4-1/2 in 114.3 mm
Dimension B	8.54 in 216.9 mm
Dimension C	4.9 in 124.5 mm
Dimension D Min	10.88 in 276.4 mm
Dimension D Max	13.38 in 339.9 mm
Dimension E	2.38 in 60.5 mm
Dimension F	15 in 381 mm
Dimension G	4.31 in 109.5 mm

Dimension H	1.65 in 41.9 mm
Dimension J (Bolt Size)	0.75 in 20 mm
Dimension L	4.47 in 113.5 mm
Dimension RVV	0.44 in 11.2 mm
Dimension SVV	4.63 in 117.6 mm

Radial and Thrust Factors

C0 - Static Load	113000 lbf 502000 N
C - Dynamic Load (Basic)	97700 lbf 435000 N
e - Geometry Factor	0.24
Y1 - Geometry Factor	2.85
Y2 - Geometry Factor	4.24

Engineering Seal Speed

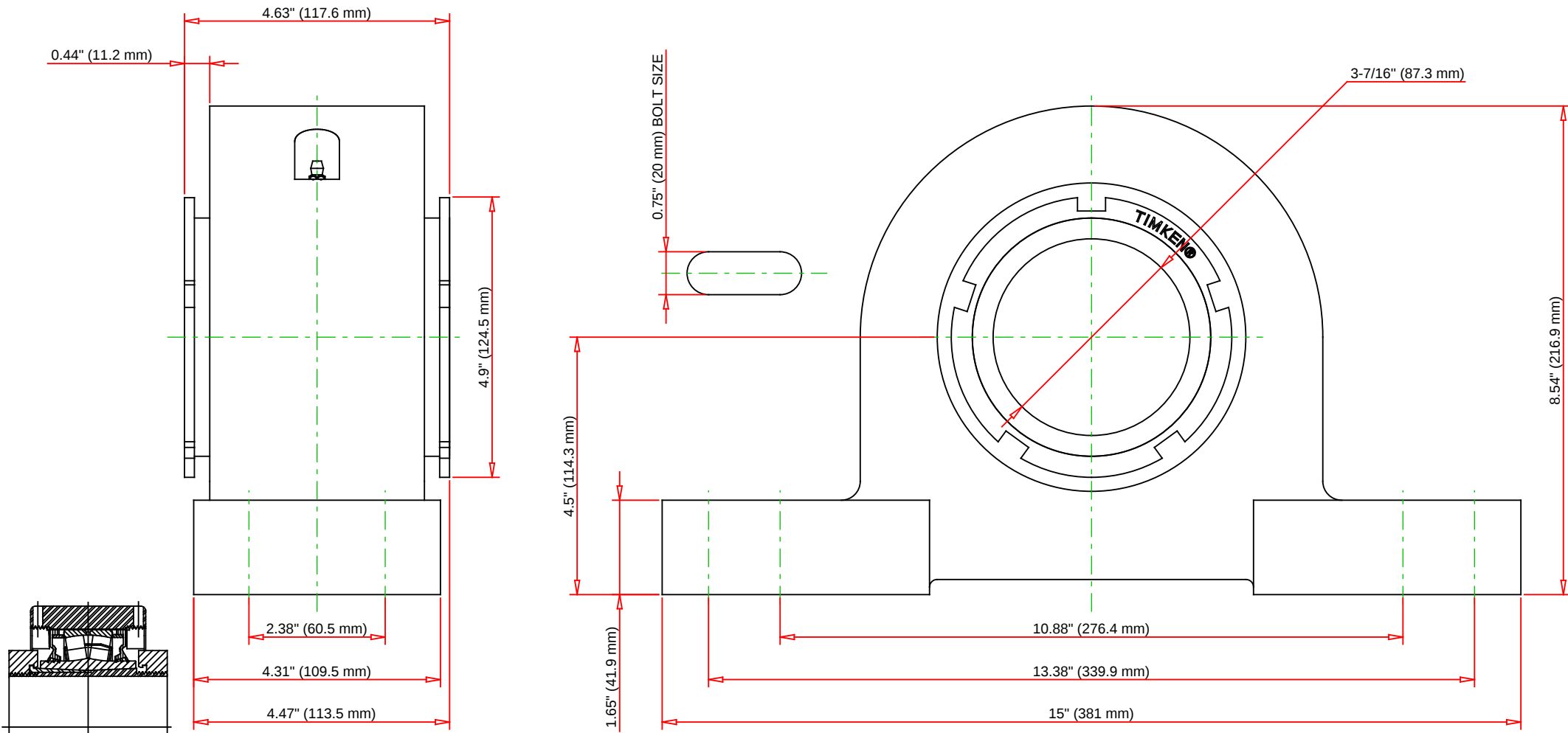
Oil Lubrication - M/N Seal	1200 rpm
Oil Lubrication - T Seal	2000 rpm
Oil Lubrication - B/C/O Seal	900 rpm
Grease Lubrication - M/N Seal	1200 rpm
Grease Lubrication - T Seal	1600 rpm
Grease Lubrication - B/C/O Seal	900 rpm

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 0.109 mm
Pre Install Clearance Max	0.0055 in 0.140 mm



Note: Section View not to Scale

C - Dynamic Load	97700	lbf	435000	N
C0 - Static Load	113000	lbf	502000	N
Weight	70	lb	31.8	kg
Max. Speed T-Seals & Grease	1600	rpm		
Rad. Clearance - Max.	0.0055			

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QVVPH20V307S
Double V-Lock Four-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