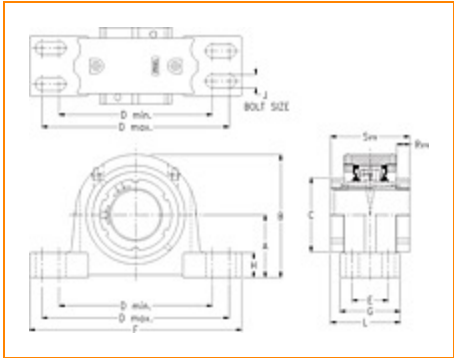
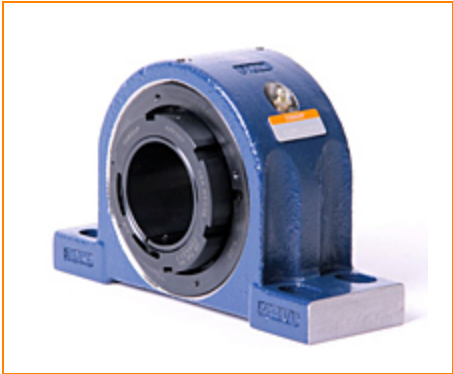




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Part Number QVVPG20V090S, Double V-Lock Four-Bolt Pillow Block



[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	90 mm
Shaft Size Type	Metric
Full Timken Part Number	QVVPG20V090SB QVVPG20V090SC QVVPG20V090SEB QVVPG20V090SEC QVVPG20V090SEM QVVPG20V090SEN QVVPG20V090SEO QVVPG20V090SET QVVPG20V090SM QVVPG20V090SN QVVPG20V090SO QVVPG20V090ST



Locking Style	Double V-Lock
Housing Construction	Four-Bolt Pillow Block
UPC Code	0883450075923
	0883450075930
	0883450208888
	0883450209038
	0883450221313
	0883450221467
	0883450233743
	0883450233897
	0883450242486
	0883450242639
	0883450247443
	0883450247597

Dimensions

Dimension A	4.41 in 112 mm
Dimension B	8.45 in 214.6 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	1.56 in 39.6 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
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Shaft Tolerance	0.0030 in 0.076 mm
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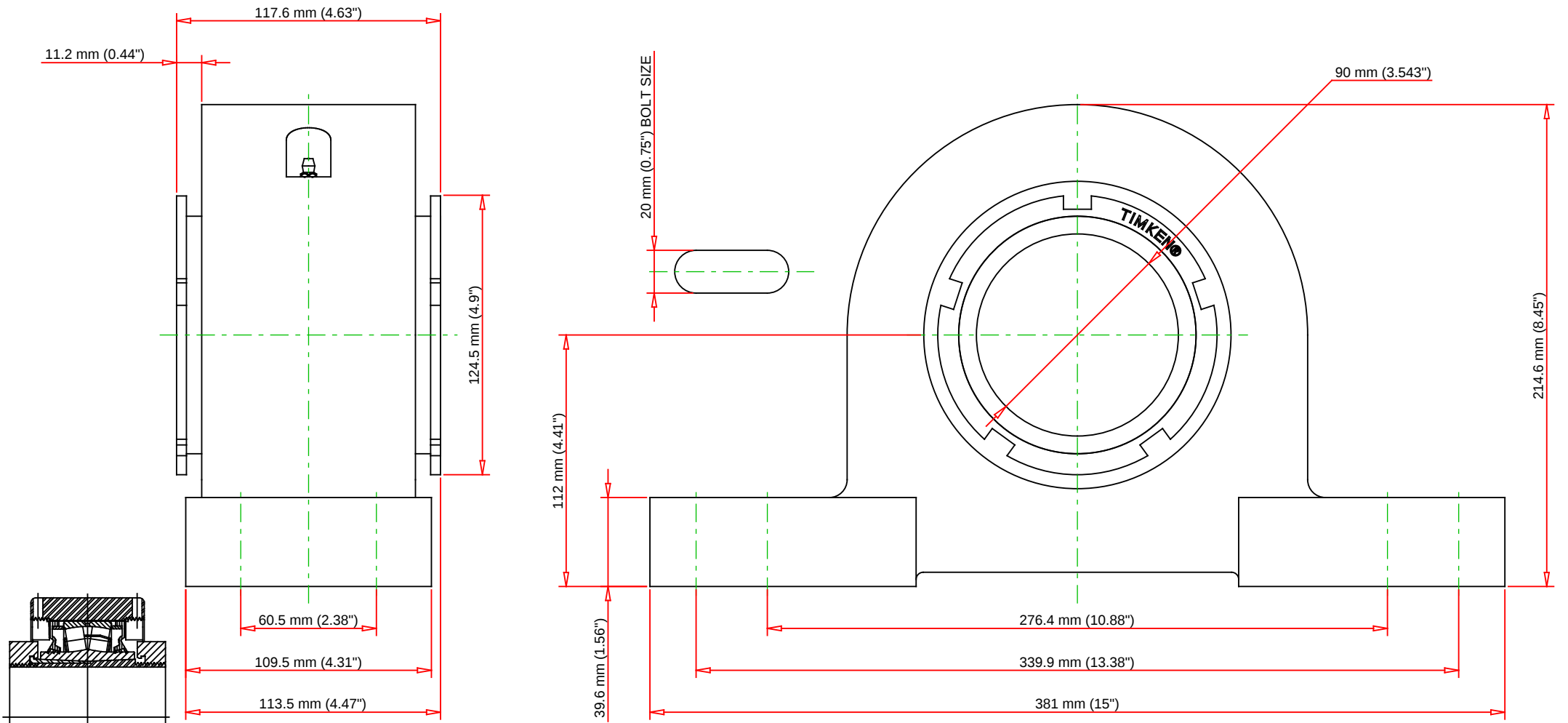
Engineering Internal Radial Clearance

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 0.109 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	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

QVVP20V090S
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