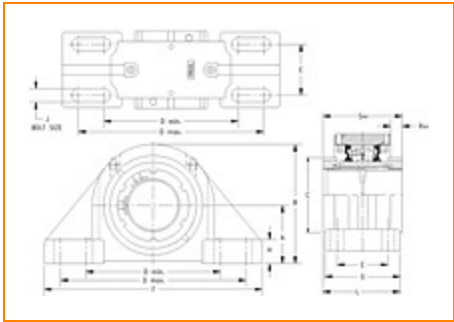
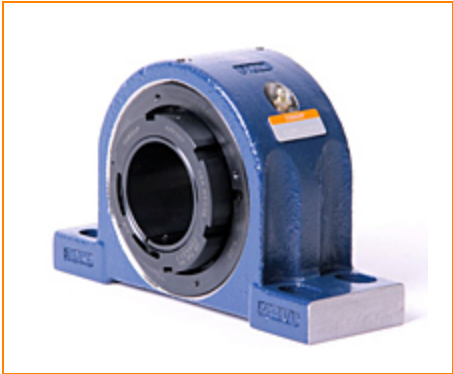




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Part Number QVVPK20V090S, Double V-Lock Four-Bolt Pillow Block



[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	QVVPK20V090SB QVVPK20V090SC QVVPK20V090SEB QVVPK20V090SEC QVVPK20V090SEM QVVPK20V090SEN QVVPK20V090SEO QVVPK20V090SET QVVPK20V090SM QVVPK20V090SN QVVPK20V090SO QVVPK20V090ST



Locking Style	Double V-Lock
Housing Construction	Four-Bolt Pillow Block
UPC Code	0883450076944
	0883450077019
	0883450209564
	0883450209717
	0883450221993
	0883450222143
	0883450234481
	0883450234634
	0883450243162
	0883450243315
	0883450248129
	0883450248273

Dimensions

Dimension A	5 in 127 mm
Dimension B	9.44 in 239.8 mm
Dimension C	4.9 in 124.5 mm
Dimension D Min	12.5 in 317.5 mm
Dimension D Max	14 in 355.6 mm
Dimension E	3.5 in 88.9 mm
Dimension F	16.75 in 425.5 mm
Dimension G	5.5 in 139.7 mm

Dimension H	1.63 in 41.4 mm
Dimension J (Bolt Size)	0.875 in 24 mm
Dimension L	5.07 in 128.8 mm
Dimension RVV	0.35 in 8.9 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

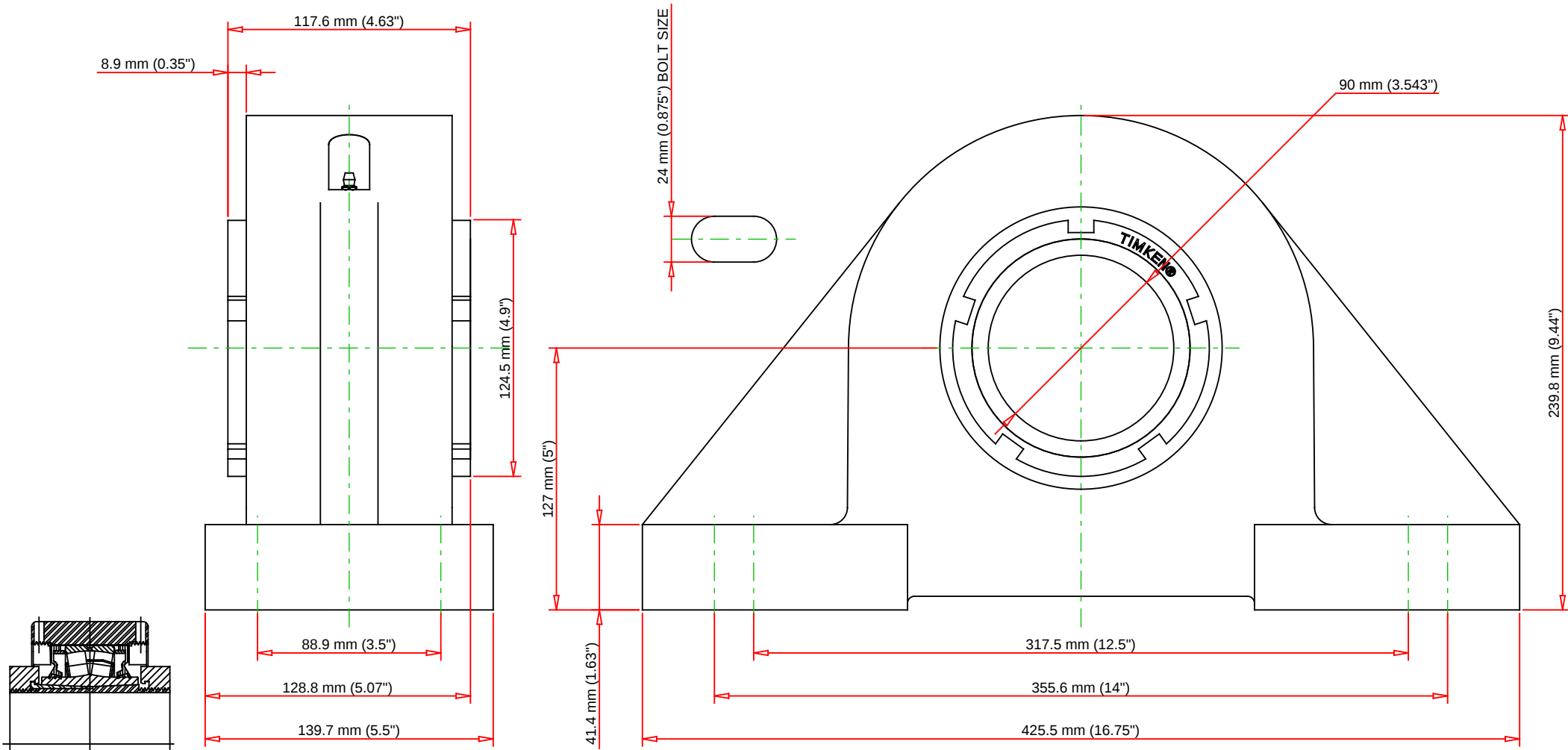
Oil Lubrication - M/N Seal	1200 rpm
Oil Lubrication - T Seal	2000 rpm
Oil Lubrication - B/C/O Seal	900 rpm
Grease Lubrication - M/N Seal	1200 rpm
Grease Lubrication - T Seal	1600 rpm
Grease Lubrication - B/C/O Seal	900 rpm

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

QVVPK20V090S
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