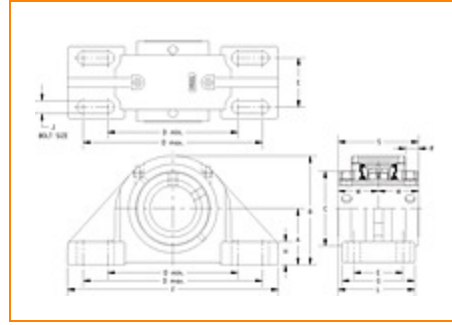
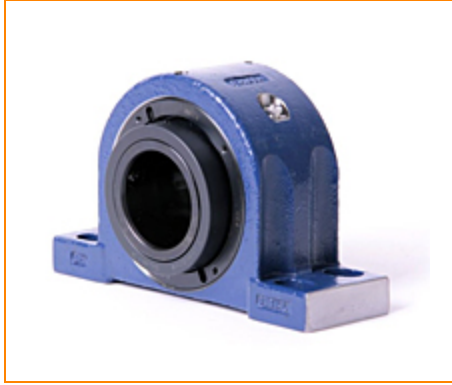



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**Part Number QAAPX18A090S, Double Concentric Four-Bolt Pillow Block**


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

**Specifications**

**Engineering Group** Mounted Bearing

**Bearing Number** 22218

**Shaft Size** 90 mm

**Shaft Size Type** Metric

**Full Timken Part Number**

- QAAPX18A090SB
- QAAPX18A090SC
- QAAPX18A090SEB
- QAAPX18A090SEC
- QAAPX18A090SEM
- QAAPX18A090SEN
- QAAPX18A090SEO
- QAAPX18A090SET
- QAAPX18A090SM
- QAAPX18A090SN
- QAAPX18A090SO
- QAAPX18A090ST



<b>Locking Style</b>	Double Concentric
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<b>Housing Construction</b>	Four-Bolt Pillow Block
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<b>UPC Code</b>	0883450011341
	0883450011419
	0883450011440
	0883450011518
	0883450011525
	0883450011532
	0883450011549
	0883450011556
	0883450011563
	0883450011938
0883450267687	
0883450267908	

## Dimensions

<b>Dimension A</b>	4 in 101.6 mm
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<b>Dimension B</b>	7.92 in 201.2 mm
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<b>Dimension C</b>	5.13 in 130.3 mm
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<b>Dimension D Min</b>	10.81 in 274.6 mm
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<b>Dimension D Max</b>	12.19 in 309.6 mm
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<b>Dimension E</b>	3 in 76.2 mm
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<b>Dimension F</b>	15 in 381 mm
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<b>Dimension G</b>	4.75 in 120.7 mm
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<b>Dimension H</b>	1 1/2 in 38.1 mm
<b>Dimension J (Bolt Size)</b>	0.75 in 20 mm
<b>Dimension L</b>	4.97 in 126.2 mm
<b>Dimension M</b>	2.59 in 65.8 mm
<b>Dimension RAA</b>	0.84 in 21.3 mm
<b>Dimension SAA</b>	5.18 in 131.6 mm

### Radial and Thrust Factors

<b>C0 - Static Load</b>	87200 lbf 388000 N
<b>C - Dynamic Load (Basic)</b>	79700 lbf 355000 N
<b>e - Geometry Factor</b>	0.23
<b>Y1 - Geometry Factor</b>	2.90
<b>Y2 - Geometry Factor</b>	4.31

### Engineering Seal Speed

<b>Oil Lubrication - M/N Seal</b>	1400 rpm
<b>Oil Lubrication - T Seal</b>	2400 rpm
<b>Oil Lubrication - B/C/O Seal</b>	1000 rpm
<b>Grease Lubrication - M/N Seal</b>	1400 rpm

<b>Grease Lubrication - T Seal</b>	2000 rpm
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<b>Grease Lubrication - B/C/O Seal</b>	1000 rpm
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### Engineering Bearing Attributes

<b>Float</b>	0.083 in 2.108 mm
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<b>Shaft Tolerance</b>	0.0030 in 0.076 mm
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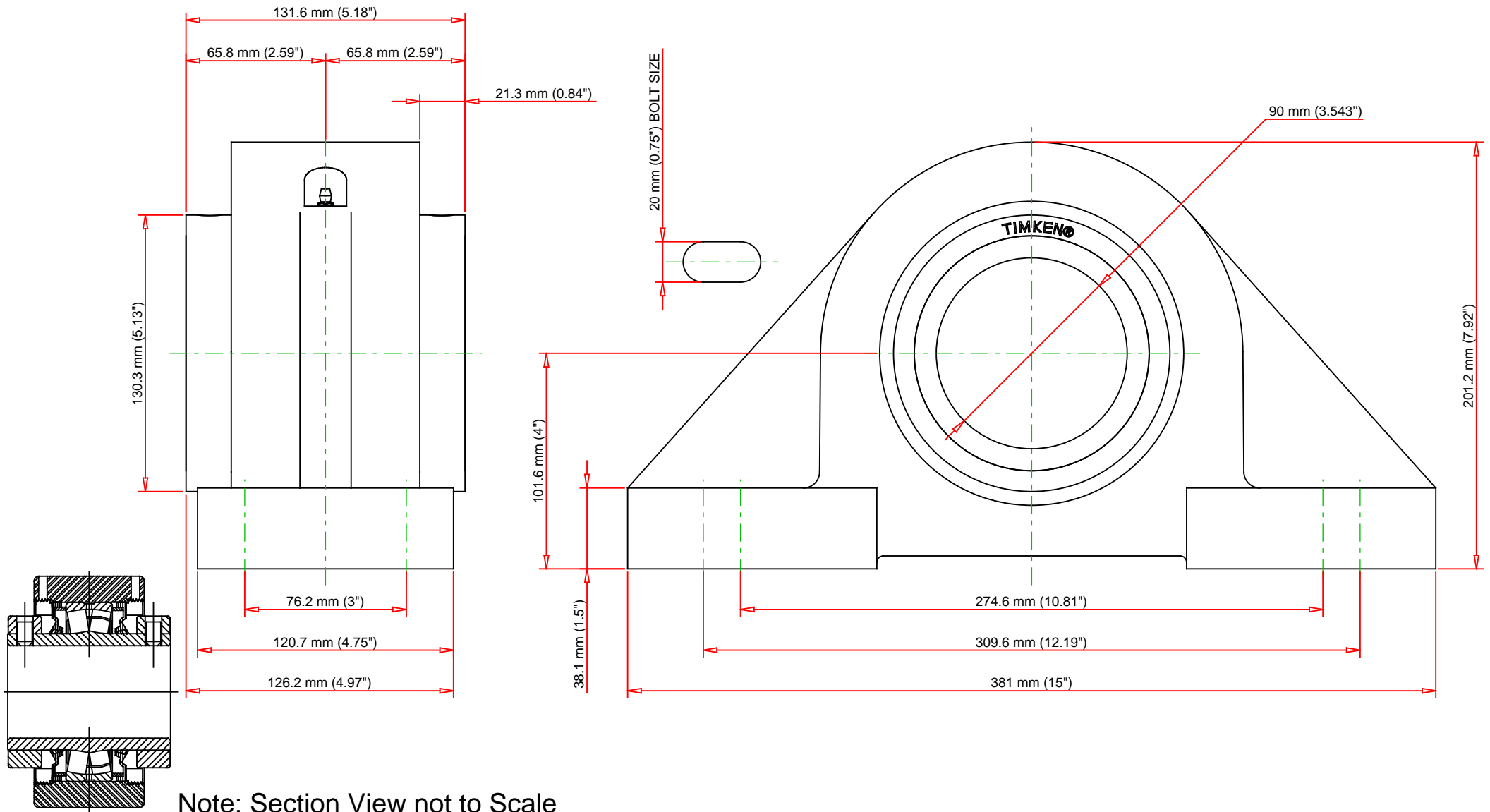
### Engineering Internal Radial Clearance

<b>Eng Internal Radial Clearance - Min</b>	0.0024
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<b>Eng Internal Radial Clearance - Max</b>	0.0039
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<b>Pre Install Clearance Min</b>	0.0024 in 0.060 mm
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<b>Pre Install Clearance Max</b>	0.0039 in 0.100 mm
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C - Dynamic Load	79700	lbf	355000	N
C0 - Static Load	87200	lbf	388000	N
Weight	64	lb	29	kg
Max. Speed T-Seals & Grease	2000	rpm		
Rad. Clearance - Max.	0.0039			

**TIMKEN**

THE TIMKEN COMPANY  
NORTH CANTON, OHIO USA

**QAAPX18A090S**  
Double Concentric 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**