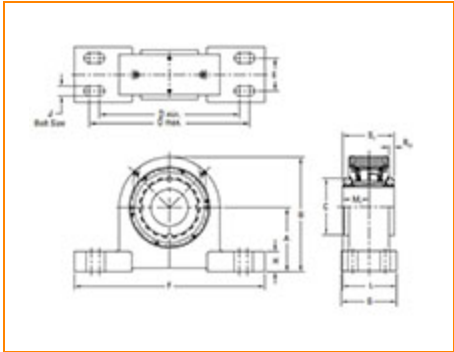
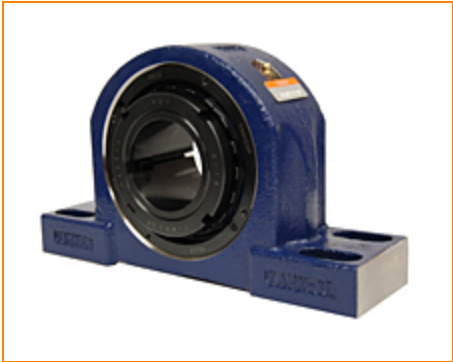




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Part Number TAA4DI20K308S, Double Nut Tapered Adapter Four-Bolt Pillow Block



[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 1/2 in
Shaft Size Type	Imperial
Full Timken Part Number	TAA4DI20K308SB TAA4DI20K308SC TAA4DI20K308SEB TAA4DI20K308SEC TAA4DI20K308SEM TAA4DI20K308SEN TAA4DI20K308SEO TAA4DI20K308SET TAA4DI20K308SMT TAA4DI20K308SNT TAA4DI20K308SO TAA4DI20K308ST



Locking Style	Double Nut Tapered Adapter
Housing Construction	Four-Bolt Pillow Block

Dimensions

Dimension A	4-1/2 in 114.3 mm
Dimension B	8.68 in 220.4 mm
Dimension C	5.12 in 130 mm
Dimension D Min	12.81 in 325.4 mm
Dimension D Max	13.81 in 350.8 mm
Dimension E	2 in 50.8 mm
Dimension F	16 in 406.4 mm
Dimension G	3.75 in 95.3 mm
Dimension H	1.56 in 39.6 mm
Dimension J (Bolt Size)	0.75 in 20 mm
Dimension L	4.18 in 106 mm
Dimension MT	2.21 in 56.1 mm
Dimension RTT	0.61 in 15.5 mm

Dimension ST

4.1 in
104.1 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

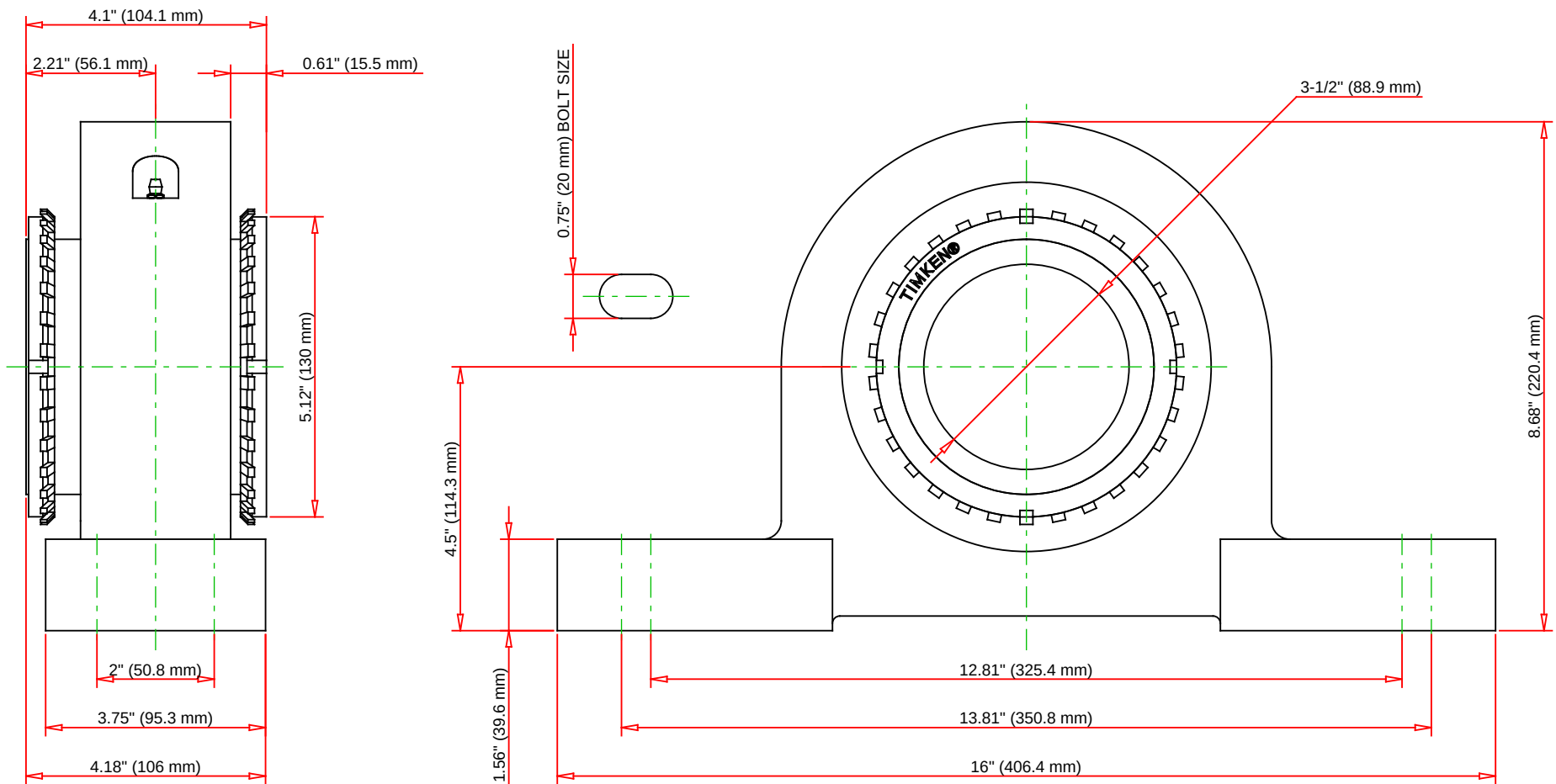
Shaft Tolerance

0.0040 in
0.102 mm

Engineering Internal Radial Clearance

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.				

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

TAA4DI20K308S
Double Nut Tapered Adapter 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