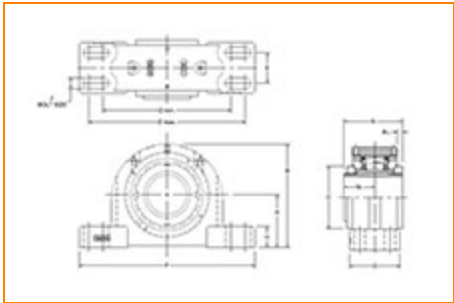
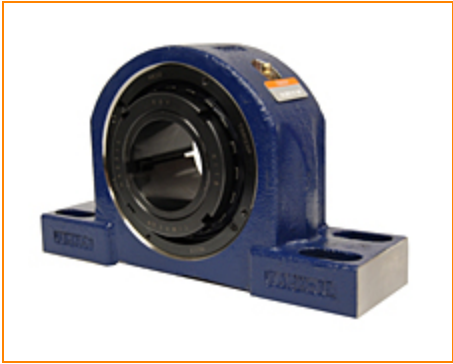




The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number TAAPH20K307S, 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 7/16 in
Shaft Size Type	Imperial
Full Timken Part Number	TAAPH20K307SB TAAPH20K307SC TAAPH20K307SEB TAAPH20K307SEC TAAPH20K307SEM TAAPH20K307SEN TAAPH20K307SEO TAAPH20K307SET TAAPH20K307SM TAAPH20K307SN TAAPH20K307SO TAAPH20K307ST



Locking Style	Double Nut Tapered Adapter
Housing Construction	Four-Bolt Pillow Block
UPC Code	0883450129671
	0883450129688
	0883450129701
	0883450129718
	0883450129725
	0883450129732
	0883450129749
	0883450129756
	0883450198561
	0883450198769
	0883450276061
	0883450276269

Dimensions

Dimension A	4-1/2 in 114.3 mm
Dimension B	8.54 in 216.9 mm
Dimension C	5.12 in 130 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	4.46 in 113.3 mm
Dimension MT	2.51 in 63.8 mm
Dimension RTT	0.42 in 10.7 mm
Dimension ST	4.8 in 121.9 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

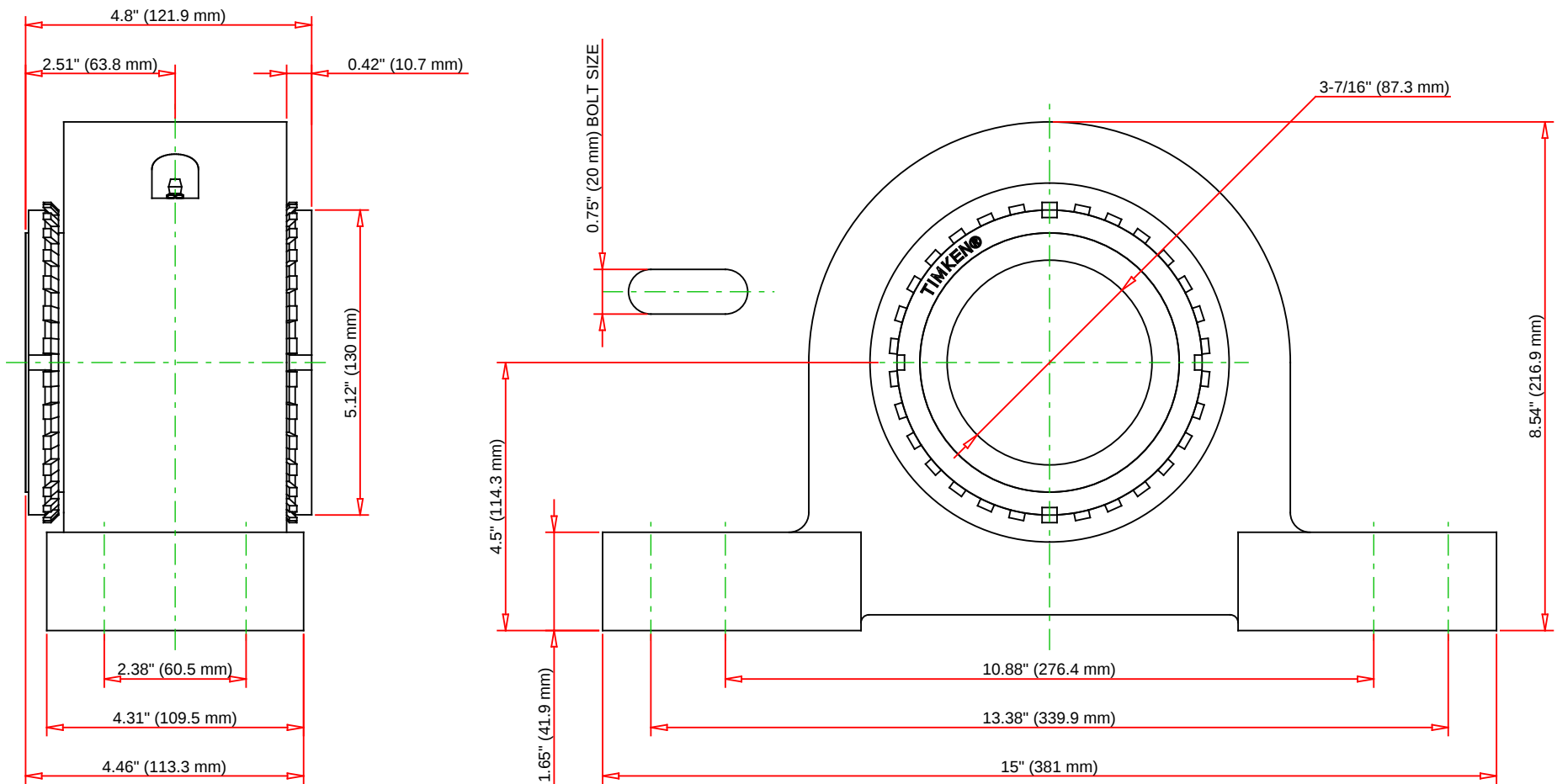
Grease Lubrication - T Seal	1600 rpm
Grease Lubrication - B/C/O Seal	900 rpm

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
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.				

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

TAAPH20K307S
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