


The Timken Company

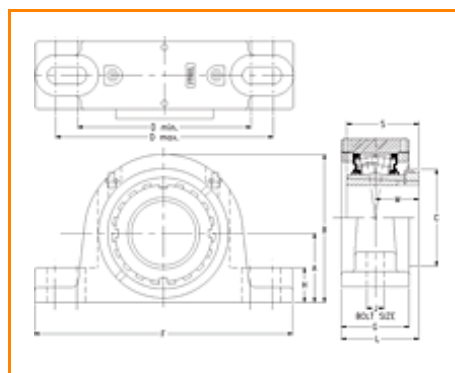
4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000

E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Timken Part Number TAPN13K203S, Tapered Adapter Two-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	22213
Shaft Size	2-3/16 in
Shaft Size Type	Imperial
Full Timken Part Number	TAPN13K203SB TAPN13K203SC TAPN13K203SEB TAPN13K203SEC TAPN13K203SEM TAPN13K203SEN TAPN13K203SEO TAPN13K203SET TAPN13K203SM TAPN13K203SN TAPN13K203SO TAPN13K203ST

Locking Style	Tapered Adapter
Weight	23 lb 10.4 Kg
Housing Style	Two-Bolt Pillow Block
UPC Code	0883450132527 0883450132534 0883450132558 0883450132565 0883450132572 0883450132589 0883450132596 0883450132602 0883450197267 0883450197472 0883450274777 0883450274975

Dimensions

Dimension A	3.15 in 80.0 mm
Dimension B	6.10 in 154.9 mm
Dimension C	3.35 in 85.1 mm
Dimension D Max	9.20 in 233.7 mm
Dimension D Min	7.20 in 182.9 mm
Dimension F	10.31 in 261.9 mm
Dimension G	2.700 in 68.60 mm
Dimension H	1.38 in 35.1 mm

Dimension J (Bolt Size)	0.625 in 16 mm
Dimension L	2.91 in 73.9 mm
Dimension M	1.56 in 39.6 mm
Dimension S	2.560 in 65.00 mm

Radial and Thrust Factors

C0 - Static Load	48600 lb 216 kN
C - Dynamic Load (Basic)	46400 lb 206 kN
e - Geometry Factor	0.24
Y1 - Geometry Factor	2.79
Y2 - Geometry Factor	4.15

Engineering Seal Speed

Oil Lubrication - M/N Seal	1800 rpm
Oil Lubrication - T Seal	3200 rpm
Oil Lubrication - B/C/O Seal	1500 rpm
Grease Lubrication - M/N Seal	1800 rpm
Grease Lubrication - T Seal	2800 rpm
Grease Lubrication - B/C/O Seal	1500 rpm

Engineering Bearing Attributes

Float	0.050 in 1.270 mm
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Shaft Tolerance	0.0030 in 0.076 mm
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Engineering Internal Radial Clearance

Pre Install Clearance Min	0.0030 in 0.075 mm
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Pre Install Clearance Max	0.0037 in 0.094 mm
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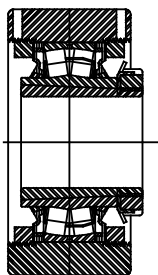
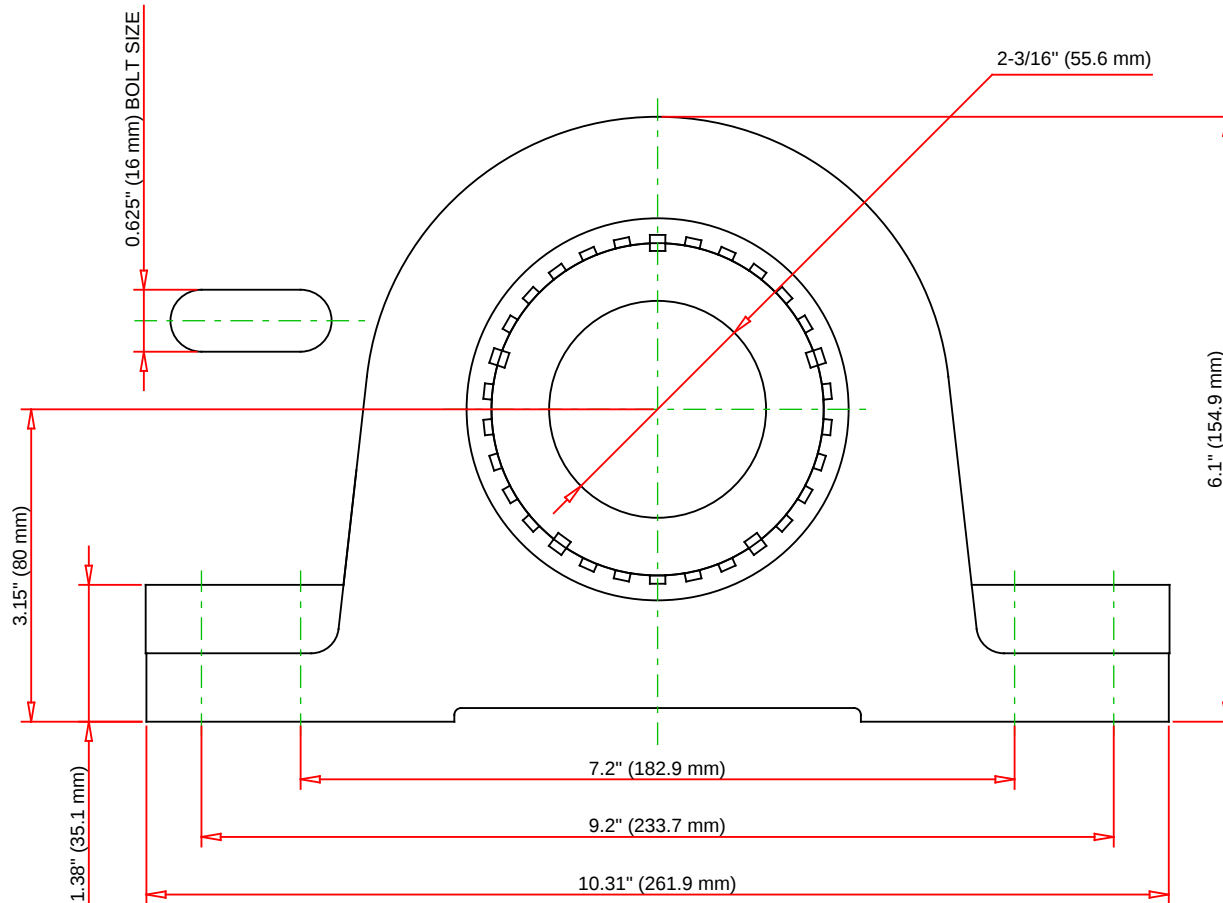
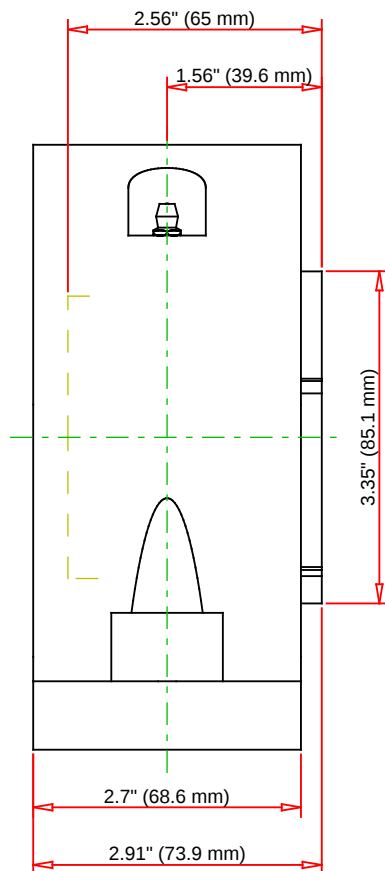
Int Radial Clearance Reduction Min	0.0012 in 0.030 mm
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Int Radial Clearance Reduction Max	0.0015 in 0.038 mm
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Adapter Sleeve Axial Movement Min	0.018 in 0.5 mm
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Adapter Sleeve Axial Movement Max	0.022 in 0.6 mm
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Post Install Int Radial Clearance Min	0.0015 in 0.038 mm
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Note: Section View not to Scale

C - Dynamic Load	46400	lb	206	kN
C0 - Static Load	48600	lb	216	kN
Weight	23	lb	10.4	kg
Max. Speed T-Seals & Grease	2800	rpm		
Rad. Clearance - Max.	0.0037			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

TAPN13K203S

Tapered Adapter Two-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