



The Timken Company

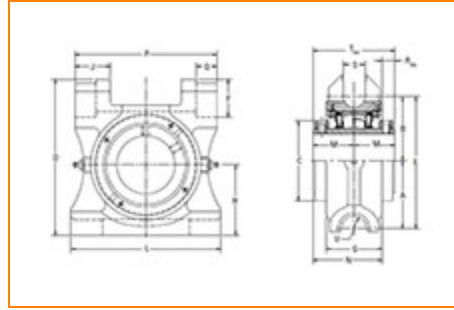
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Part Number QAATP13A208S, Double Concentric Top Pull Take-Up Block



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Specifications

Engineering Group	Mounted Bearing
Bearing Number	22213
Shaft Size	2 1/2 in
Shaft Size Type	Imperial
Full Timken Part Number	QAATP13A208SB QAATP13A208SC QAATP13A208SEB QAATP13A208SEC QAATP13A208SEM QAATP13A208SEN QAATP13A208SEO QAATP13A208SET QAATP13A208SM QAATP13A208SN QAATP13A208SO



QAATP13A208ST

Locking Style Double Concentric**Housing Construction** Top Pull Take-Up**Dimensions****Dimension A1** 3.81 in
96.8 mm**Dimension B** 3.33 in
84.6 mm**Dimension C** 3.81 in
96.6 mm**Dimension D** 8.28 in
210.3 mm**Dimension E** 7.14 in
181.4 mm**Dimension F** 1.88 in
47.8 mm**Dimension G** 3.19 in
81 mm**Dimension H** 3.84 in
97.5 mm**Dimension J** 1.75 in
44.5 mm**Dimension L** 8-1/2 in
215.9 mm**Dimension M** 2.15 in
54.6 mm**Dimension N** 3.74 in
95 mm

Dimension P	8 in 203.2 mm
Dimension Q	1.06 in 26.9 mm
Dimension RAA	0.55 in 14 mm
Dimension S	1.12 in 28.4 mm
Dimension TAA	4.29 in 109 mm
Dimension U	0.81 in 20.6 mm

Radial and Thrust Factors

C0 - Static Load	48600 lbf 216000 N
C - Dynamic Load (Basic)	46400 lbf 206000 N
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
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Grease Lubrication - B/C/O Seal	1500 rpm
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Engineering Bearing Attributes

Float	0.08 in 2.03 mm
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Shaft Tolerance	0.0015 in 0.038 mm
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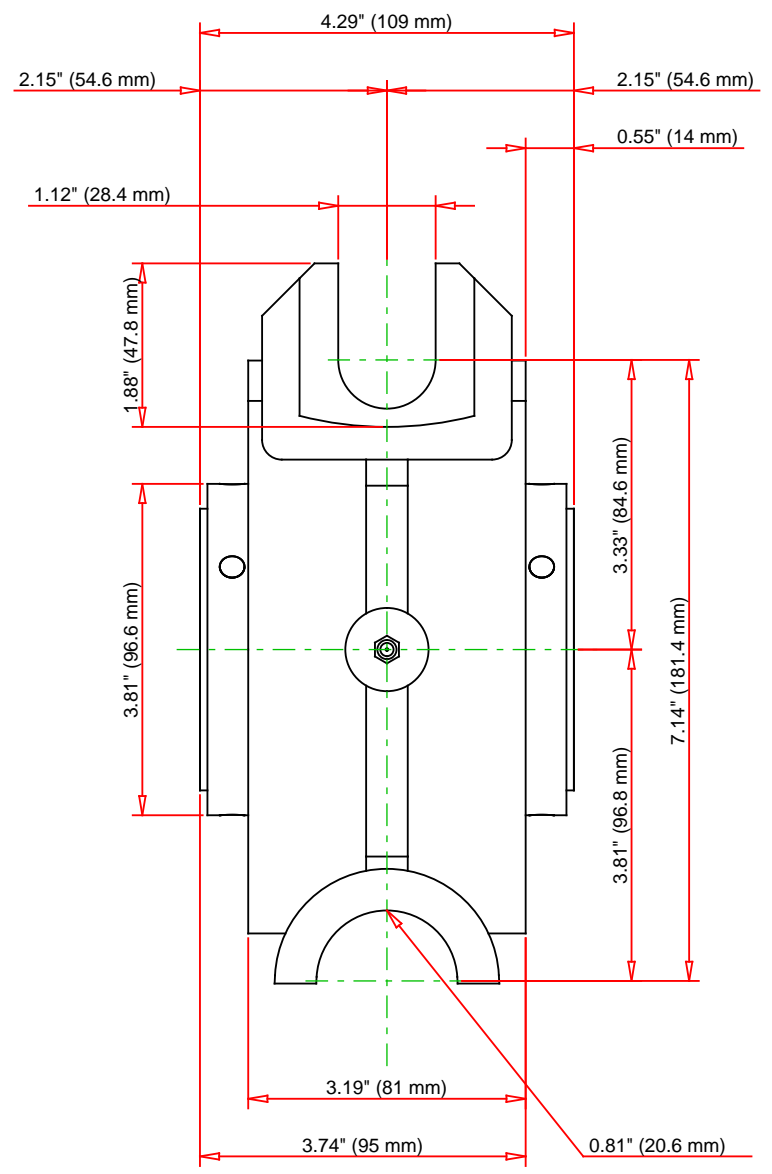
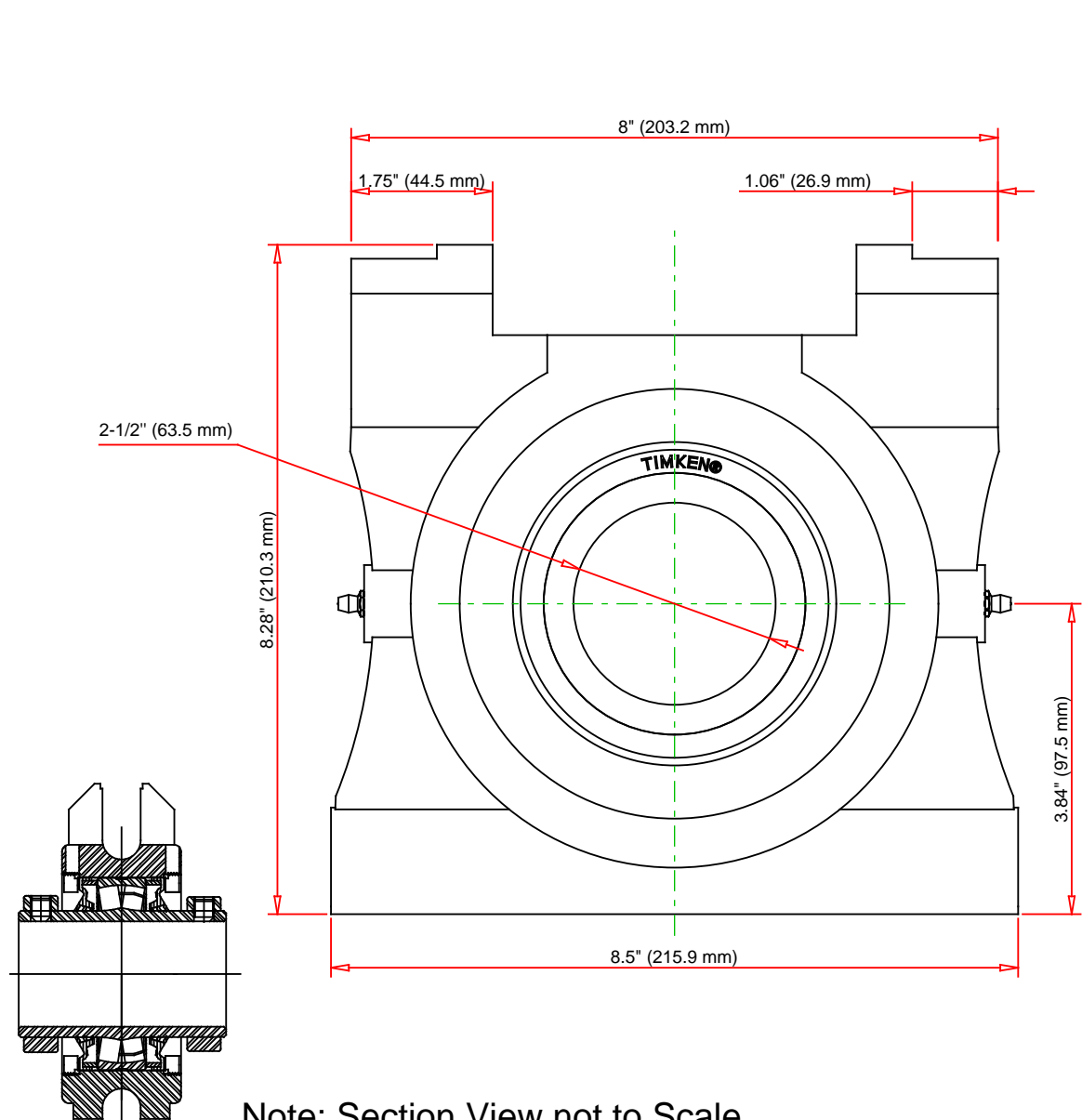
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0016
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Eng Internal Radial Clearance - Max	0.0026
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Pre Install Clearance Min	0.0016 in 0.040 mm
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Pre Install Clearance Max	0.0026 in 0.065 mm
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Note: Section View not to Scale

C - Dynamic Load	46400	lbf	206000	N
C0 - Static Load	48600	lbf	216000	N
Weight		lb		kg
Max. Speed T-Seals & Grease	2800	rpm		
Rad. Clearance - Max.	0.0026			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAATP13A208S
Double Concentric Top Pull Take-Up
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