



**The Timken Company**

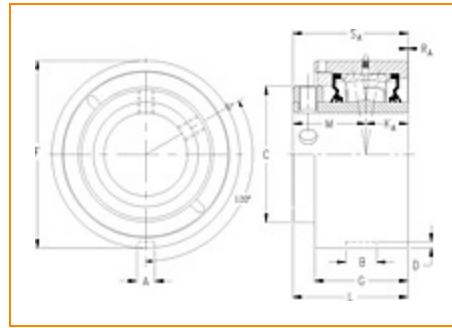
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## Part Number QAMC15A212S, Single Concentric Cartridge Block



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### Specifications

**Engineering Group** Mounted Bearing

**Bearing Number** 22215

**Shaft Size** 2 3/4 in

**Shaft Size Type** Imperial

**Full Timken Part Number**

- QAMC15A212SB
- QAMC15A212SC
- QAMC15A212SEB
- QAMC15A212SEC
- QAMC15A212SEM
- QAMC15A212SEN
- QAMC15A212SEO
- QAMC15A212SET
- QAMC15A212SM
- QAMC15A212SN
- QAMC15A212SO
- QAMC15A212ST



<b>Locking Style</b>	Single Concentric
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<b>Housing Construction</b>	Cartridge
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<b>UPC Code</b>	0883450303224
	0883450303231
	0883450303248
	0883450303255
	0883450303262
	0883450303279
	0883450303286
	0883450303293
	0883450303309
	0883450303316
0883450303323	
0883450303330	

## Dimensions

<b>Dimension A</b>	0.59 in 15 mm
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<b>Dimension B</b>	1.03 in 26.2 mm
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<b>Dimension C</b>	4.29 in 109 mm
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<b>Dimension D</b>	0.25 in 6.4 mm
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<b>Dimension F</b>	5 7/8 in 149.2 mm
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<b>Dimension G</b>	3.14 in 79.8 mm
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<b>Dimension KA</b>	1.25 in 31.8 mm
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<b>Dimension L Exp</b>	4.04 in 102.6 mm
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<b>Dimension L Fix</b>	3.96 in 100.6 mm
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<b>Dimension M</b>	2.37 in 60.2 mm
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<b>Dimension RA</b>	0.32 in 8.1 mm
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<b>Dimension SA</b>	3.62 in 91.9 mm
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## Radial and Thrust Factors

<b>C0 - Static Load</b>	54100 lbf 240000 N
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<b>C - Dynamic Load (Basic)</b>	49900 lbf 222000 N
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<b>e - Geometry Factor</b>	0.22
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<b>Y1 - Geometry Factor</b>	3.14
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<b>Y2 - Geometry Factor</b>	4.67
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## Engineering Seal Speed

<b>Oil Lubrication - M/N Seal</b>	1600 rpm
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<b>Oil Lubrication - T Seal</b>	2900 rpm
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<b>Oil Lubrication - B/C/O Seal</b>	1300 rpm
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<b>Grease Lubrication - M/N Seal</b>	1600 rpm
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<b>Grease Lubrication - T Seal</b>	2400 rpm
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<b>Grease Lubrication - B/C/O Seal</b>	1300 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>	0.0020 in 0.051 mm
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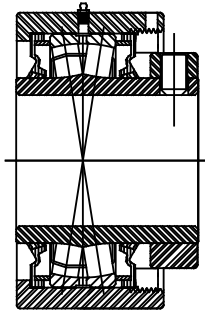
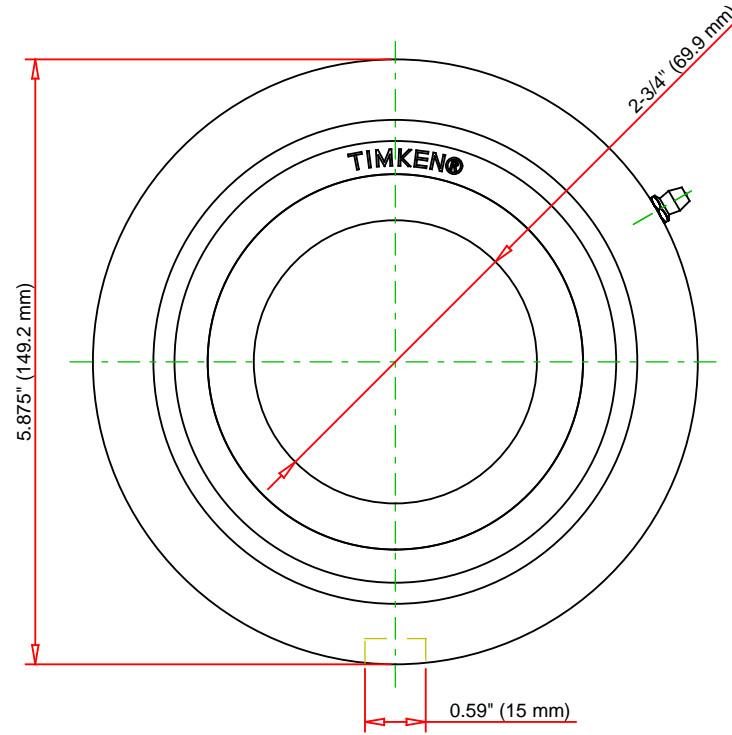
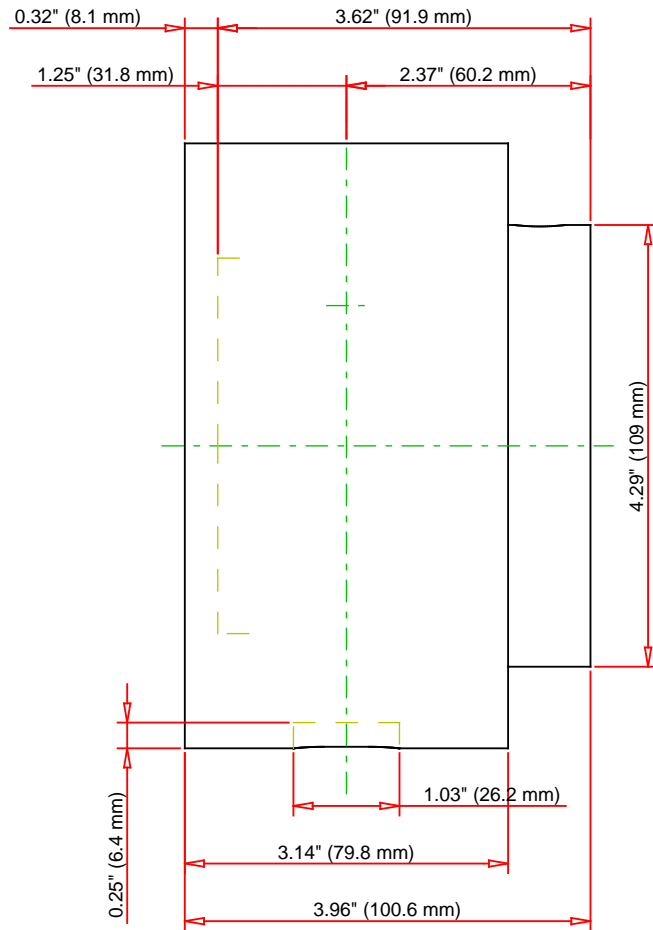
## Engineering Internal Radial Clearance

<b>Eng Internal Radial Clearance - Min</b>	0.0020
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<b>Eng Internal Radial Clearance - Max</b>	0.0031
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<b>Pre Install Clearance Min</b>	0.0020 in 0.050 mm
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<b>Pre Install Clearance Max</b>	0.0031 in 0.080 mm
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Note: Section View not to Scale

C - Dynamic Load	49900	lbf	222000	N
C0 - Static Load	54100	lbf	240000	N
Weight	18	lb	8.2	kg
Max. Speed T-Seals & Grease	2400	rpm		
Rad. Clearance - Max.	0.0031			

**TIMKEN**

THE TIMKEN COMPANY  
NORTH CANTON, OHIO USA

**QAMC15A212S**  
Single Concentric Cartridge Block

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**FOR DISCUSSION ONLY**