


**The Timken Company**

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## Part Number QACW11A055S, Single Concentric Piloted Flange Cartridge



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## Specifications

**Engineering Group** Mounted Bearing

**Bearing Number** 22211

**Shaft Size** 55 mm

**Shaft Size Type** Metric

**Full Timken Part Number**

- QACW11A055SB
- QACW11A055SC
- QACW11A055SEB
- QACW11A055SEC
- QACW11A055SEM
- QACW11A055SEN
- QACW11A055SEO
- QACW11A055SET
- QACW11A055SM
- QACW11A055SN
- QACW11A055SO
- QACW11A055ST



<b>Locking Style</b>	Single Concentric
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<b>Housing Construction</b>	Piloted Flange Cartridge
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<b>UPC Code</b>	0883450324540
	0883450324557
	0883450324564
	0883450324571
	0883450324588
	0883450324595
	0883450324601
	0883450324618
	0883450324625
	0883450324632
	0883450324649
	0883450324656

## Dimensions

<b>Dimension BC</b>	6 in 152.4 mm
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<b>Dimension B Exp</b>	1.85 in 47 mm
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<b>Dimension B Fix</b>	1.8 in 45.7 mm
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<b>Dimension C</b>	3.25 in 82.6 mm
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<b>Dimension D</b>	4.99 in 126.7 mm
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<b>Dimension E</b>	4.24 in 107.7 mm
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<b>Dimension F</b>	7.13 in 181.1 mm
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<b>Dimension G</b>	5 in 127 mm
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<b>Dimension H</b>	0.56 in 14.2 mm
<b>Dimension J (Bolt Size)</b>	0.5 in 12 mm
<b>Dimension KA</b>	1.13 in 28.7 mm
<b>Dimension L Exp</b>	3.47 in 88.1 mm
<b>Dimension L Fix</b>	3.42 in 86.9 mm
<b>Dimension M</b>	2 in 50.8 mm
<b>Dimension N</b>	1.63 in 41.4 mm
<b>Dimension RA</b>	0.3 in 7.6 mm
<b>Dimension SA</b>	3.13 in 79.5 mm

## Radial and Thrust Factors

<b>C0 - Static Load</b>	31900 lbf 142000 N
<b>C - Dynamic Load (Basic)</b>	31400 lbf 140000 N
<b>e - Geometry Factor</b>	0.23
<b>Y1 - Geometry Factor</b>	2.95
<b>Y2 - Geometry Factor</b>	4.40

## Engineering Seal Speed

<b>Oil Lubrication - M/N Seal</b>	2200 rpm
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<b>Oil Lubrication - T Seal</b>	3800 rpm
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<b>Oil Lubrication - B/C/O Seal</b>	1600 rpm
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<b>Grease Lubrication - M/N Seal</b>	2200 rpm
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<b>Grease Lubrication - T Seal</b>	3200 rpm
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<b>Grease Lubrication - B/C/O Seal</b>	1600 rpm
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## Engineering Bearing Attributes

<b>Float</b>	0.050 in 1.270 mm
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<b>Shaft Tolerance</b>	0.0015 in 0.038 mm
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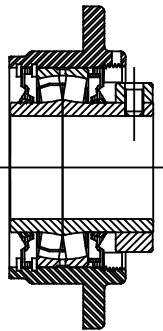
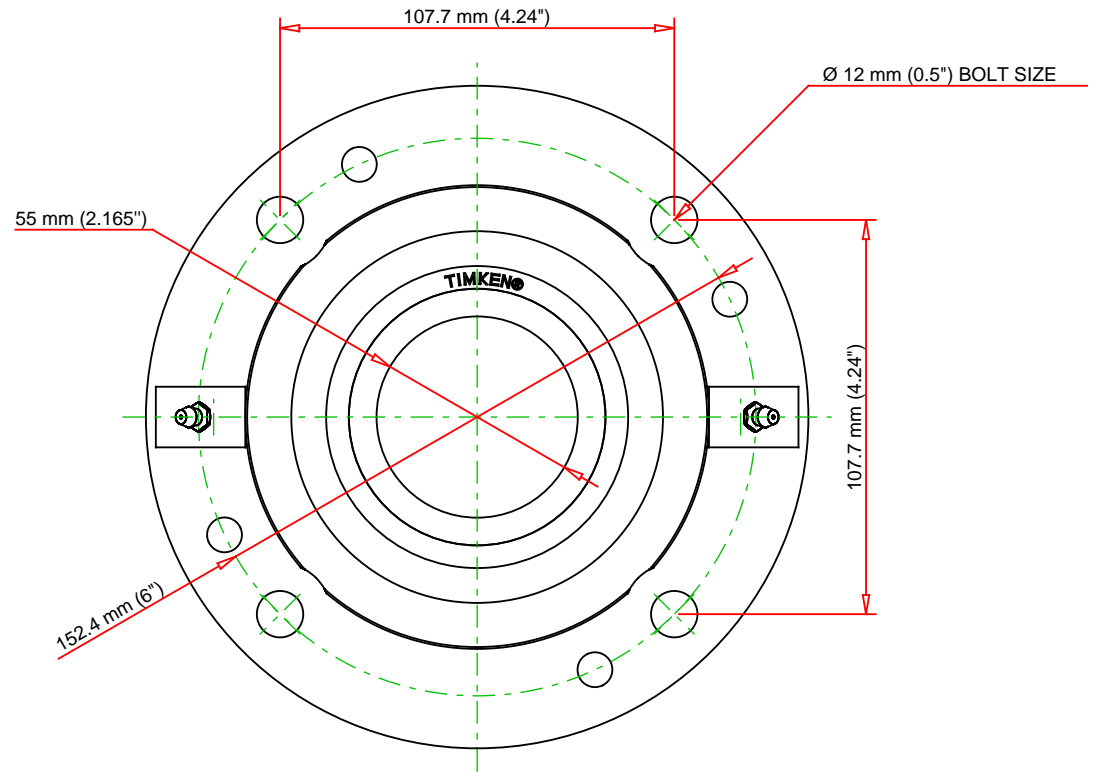
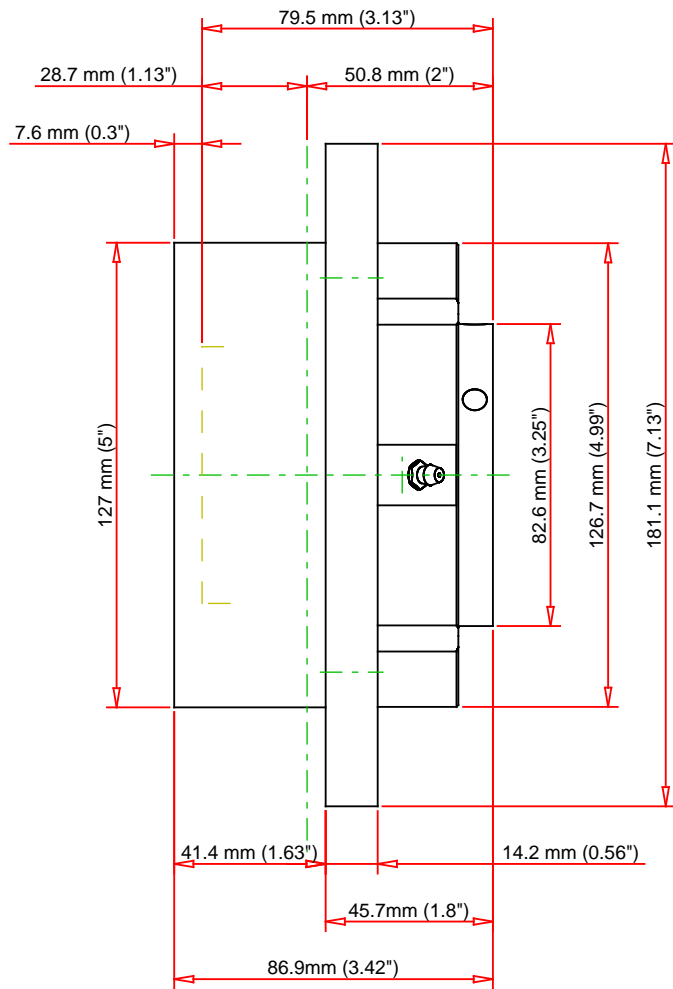
## Engineering Internal Radial Clearance

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

C - Dynamic Load	31400	lbf	140000	N
C0 - Static Load	31900	lbf	142000	N
Weight	13	lb	5.9	kg
Max. Speed T-Seals & Grease	3200	rpm		
Rad. Clearance - Max.	0.0026			

**TIMKEN**

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NORTH CANTON, OHIO USA

**QACW11A055S**

Single Concentric Piloted Flange  
Cartridge

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**FOR DISCUSSION ONLY**