


The Timken Company

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Part Number QAC11A203S, Single Concentric Piloted Flange Cartridge


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Specifications

Engineering Group Mounted Bearing

Bearing Number 22211

Shaft Size 2 3/16 in

Shaft Size Type Imperial

Full Timken Part Number

- QAC11A203SB
- QAC11A203SC
- QAC11A203SEB
- QAC11A203SEC
- QAC11A203SEM
- QAC11A203SEN
- QAC11A203SEO
- QAC11A203SET
- QAC11A203SM
- QAC11A203SN
- QAC11A203SO
- QAC11A203ST



Locking Style	Single Concentric
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Housing Construction	Piloted Flange Cartridge
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UPC Code	0883450034906
	0883450034913
	0883450034937
	0883450034944
	0883450034951
	0883450034968
	0883450034975
	0883450034982
	0883450193160
	0883450193320
0883450270359	
0883450270519	

Dimensions

Dimension BC	6 in 152.4 mm
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Dimension B Exp	2.19 in 55.6 mm
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Dimension B Fix	2.14 in 54.4 mm
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Dimension C	3.25 in 82.6 mm
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Dimension D	5 in 127 mm
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Dimension E	4.24 in 107.7 mm
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Dimension F	7.3 in 185.4 mm
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Dimension G	5 in 127 mm
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Dimension H	0.58 in 14.7 mm
Dimension J (Bolt Size)	0.5 in 12 mm
Dimension KA	1.13 in 28.7 mm
Dimension L Exp	3.32 in 84.3 mm
Dimension L Fix	3.27 in 83.1 mm
Dimension M	2 in 50.8 mm
Dimension N	1.13 in 28.7 mm
Dimension RA	0.14 in 3.6 mm
Dimension SA	3.13 in 79.5 mm

Radial and Thrust Factors

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

Engineering Seal Speed

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

Float	0.050 in 1.270 mm
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Shaft Tolerance	0.0015 in 0.038 mm
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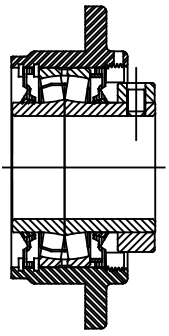
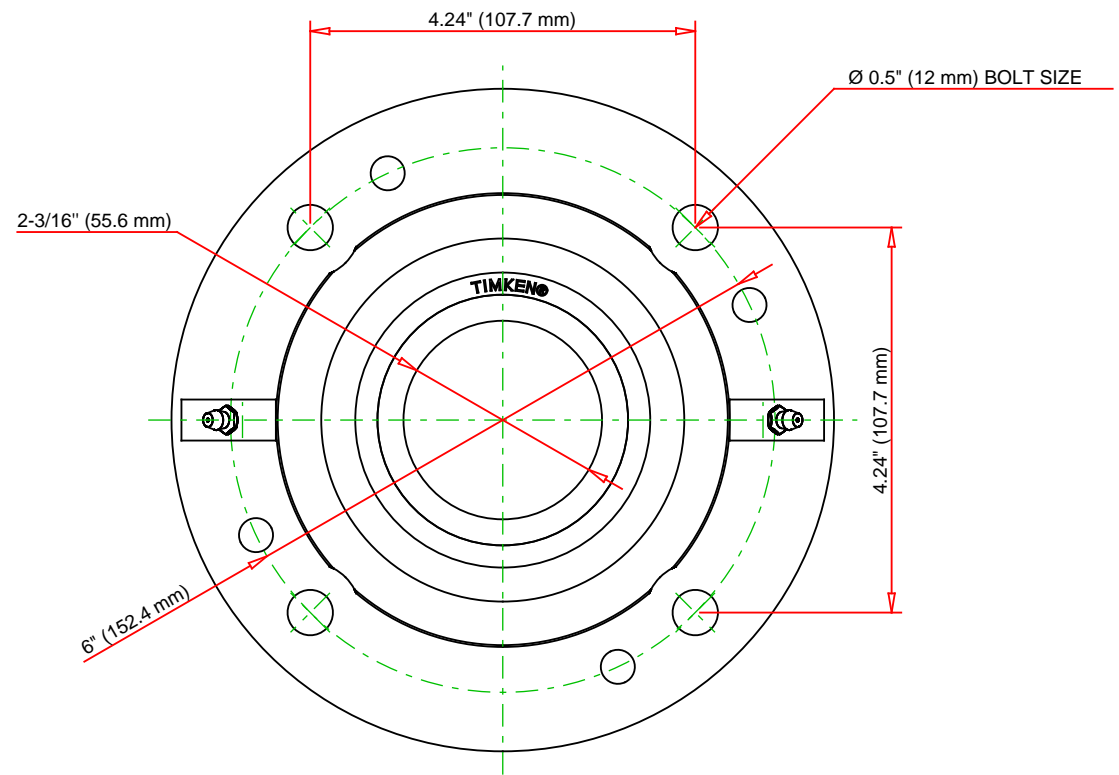
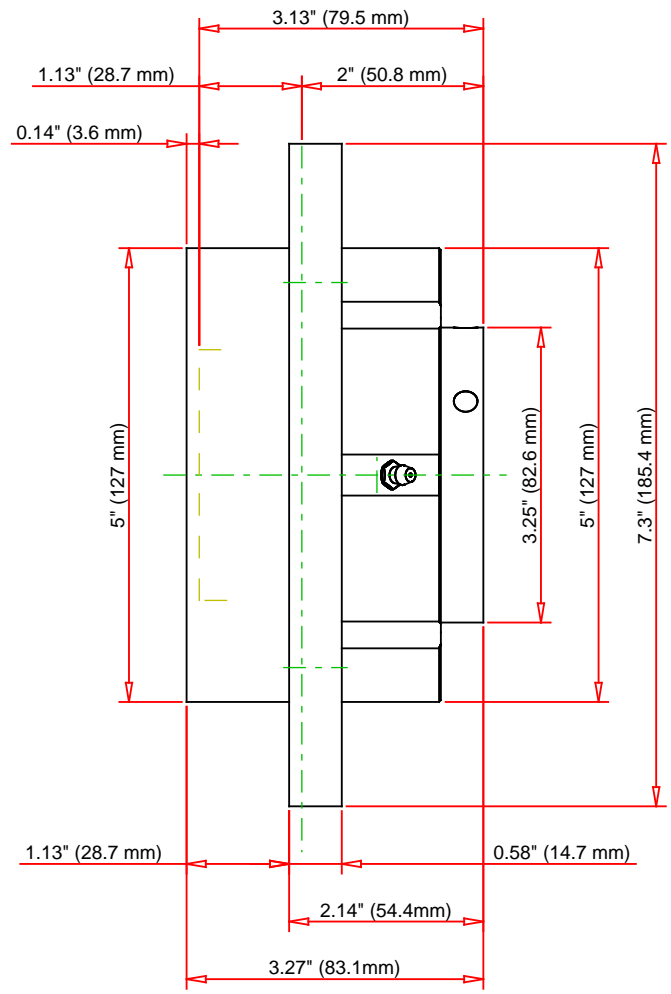
Engineering Internal Radial Clearance

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	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

QAC11A203S
Single Concentric Piloted Flange
Cartridge

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.

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