


The Timken Company

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Part Number QACW11A203S, 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	QACW11A203SB QACW11A203SC QACW11A203SEB QACW11A203SEC QACW11A203SEM QACW11A203SEN QACW11A203SEO QACW11A203SET QACW11A203SM QACW11A203SN QACW11A203SO QACW11A203ST



Locking Style	Single Concentric
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Housing Construction	Piloted Flange Cartridge
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UPC Code	0883450036504
	0883450036511
	0883450036535
	0883450036542
	0883450036559
	0883450036566
	0883450036573
	0883450036580
	0883450193849
	0883450194006
0883450271011	
0883450271172	

Dimensions

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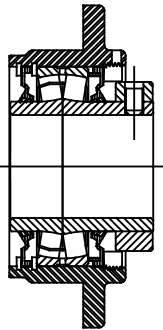
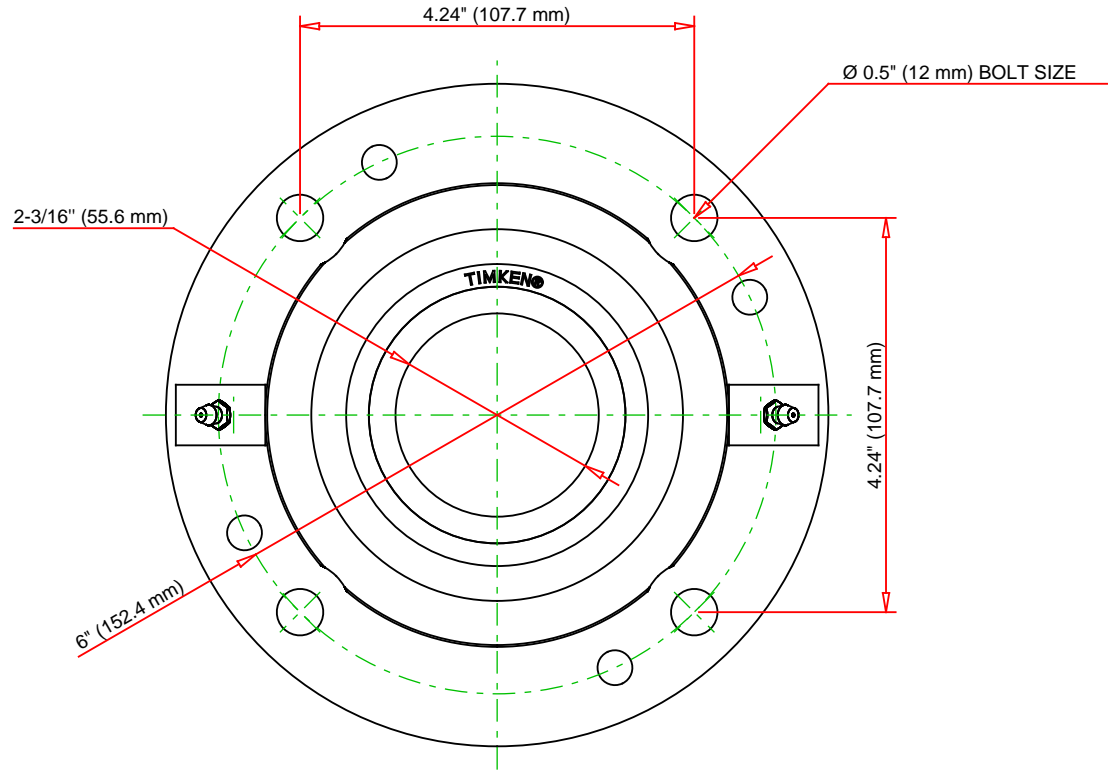
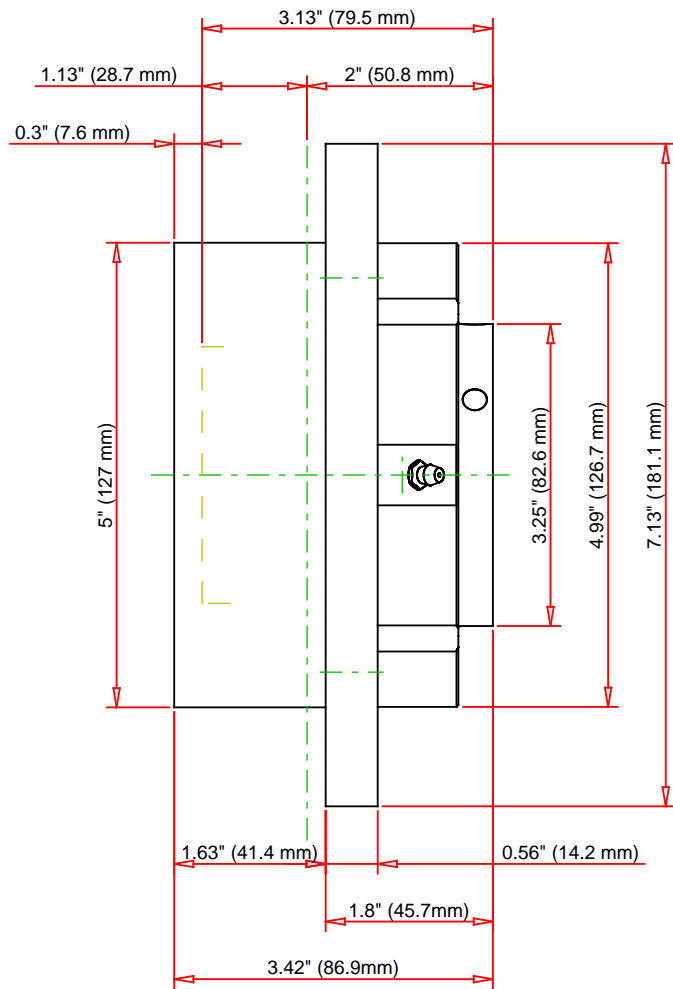
Engineering Internal Radial Clearance

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

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QACW11A203S

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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