



The Timken Company
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Part Number QAC13A207S, Single Concentric Piloted Flange Cartridge



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Specifications

Engineering Group	Mounted Bearing
Bearing Number	22213
Shaft Size	2 7/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QAC13A207SB QAC13A207SC QAC13A207SEB QAC13A207SEC QAC13A207SEM QAC13A207SEN QAC13A207SEO QAC13A207SET QAC13A207SM QAC13A207SN QAC13A207SO QAC13A207ST



Locking Style	Single Concentric
Housing Construction	Piloted Flange Cartridge
UPC Code	0883450035200
	0883450035217
	0883450035231
	0883450035248
	0883450035255
	0883450035262
	0883450035279
	0883450035286
	0883450193184
	0883450193344
	0883450270373
	0883450270533

Dimensions

Dimension BC	6-1/2 in 165.1 mm
Dimension B Exp	2.48 in 63 mm
Dimension B Fix	2.36 in 59.9 mm
Dimension C	3.8 in 96.5 mm
Dimension D	5.5 in 139.7 mm
Dimension E	4.6 in 116.8 mm
Dimension F	7.63 in 193.8 mm
Dimension G	5.5 in 139.7 mm

Dimension H	0.69 in 17.5 mm
Dimension J (Bolt Size)	0.5 in 12 mm
Dimension KA	1.24 in 31.5 mm
Dimension L Exp	3.57 in 90.7 mm
Dimension L Fix	3.49 in 88.6 mm
Dimension M	2.15 in 54.6 mm
Dimension N	1.13 in 28.7 mm
Dimension RA	0.1 in 2.5 mm
Dimension SA	3.39 in 86.1 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

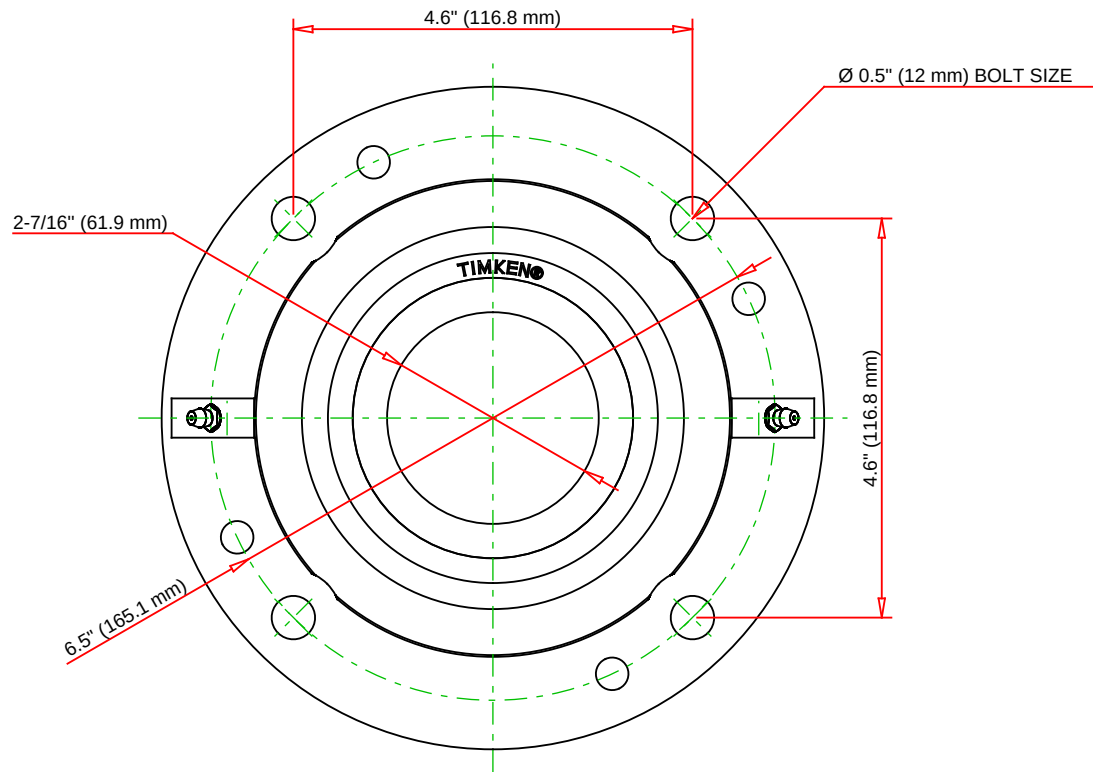
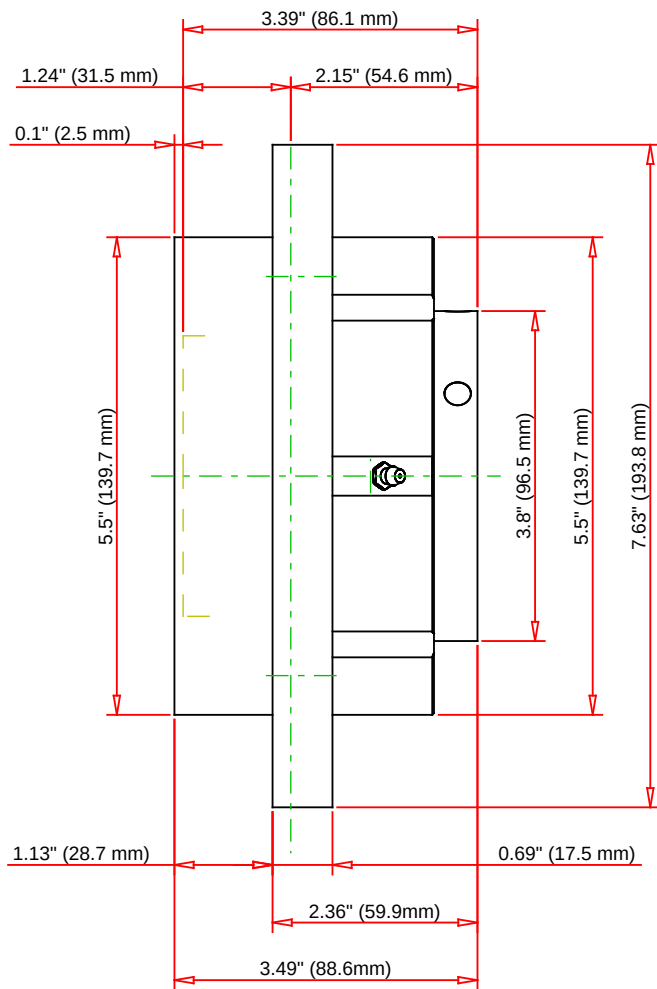
Oil Lubrication - M/N Seal	1800 rpm
Oil Lubrication - T Seal	3200 rpm
Oil Lubrication - B/C/O Seal	1500 rpm
Grease Lubrication - M/N Seal	1800 rpm
Grease Lubrication - T Seal	2800 rpm
Grease Lubrication - B/C/O Seal	1500 rpm

Engineering Bearing Attributes

Float	0.083 in 2.108 mm
Shaft Tolerance	0.0015 in 0.038 mm

Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0016
Eng Internal Radial Clearance - Max	0.0026
Pre Install Clearance Min	0.0016 in 0.040 mm
Pre Install Clearance Max	0.0026 in 0.065 mm



Note: Section View not to Scale

C - Dynamic Load	46400	lbf	206000	N
C0 - Static Load	48600	lbf	216000	N
Weight	16	lb	7.3	kg
Max. Speed T-Seals & Grease	2800	rpm		
Rad. Clearance - Max.	0.0026			

TIMKEN

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NORTH CANTON, OHIO USA

QAC13A207S

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.

FOR DISCUSSION ONLY