


The Timken Company

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Part Number QAC15A212S, Single Concentric Piloted Flange Cartridge



[Specifications](#) | [Dimensions](#) | [Radial and Thrust Factors](#) | [Engineering Seal Speed](#) | [Engineering Bearing Attributes](#) | [Engineering Internal Radial Clearance](#)

Specifications

Engineering Group	Mounted Bearing
Bearing Number	22215
Shaft Size	2 3/4 in
Shaft Size Type	Imperial
Full Timken Part Number	QAC15A212SB QAC15A212SC QAC15A212SEB QAC15A212SEC QAC15A212SEM QAC15A212SEN QAC15A212SEO QAC15A212SET QAC15A212SM QAC15A212SN QAC15A212SO QAC15A212ST



Locking Style	Single Concentric
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Housing Construction	Piloted Flange Cartridge
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UPC Code	0883450323949
	0883450323956
	0883450323963
	0883450323970
	0883450323987
	0883450323994
	0883450324007
	0883450324014
	0883450324021
	0883450324038
	0883450324045
	0883450324052

Dimensions

Dimension BC	7-1/2 in 190.5 mm
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Dimension B Exp	2.7 in 68.6 mm
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Dimension B Fix	2.61 in 66.3 mm
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Dimension C	4.29 in 109 mm
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Dimension D	6.38 in 162.1 mm
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Dimension E	5.3 in 134.6 mm
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Dimension F	8-3/4 in 222.3 mm
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Dimension G	6.375 in 161.9 mm
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Dimension H	0.81 in 20.6 mm
Dimension J (Bolt Size)	0.625 in 16 mm
Dimension KA	1.25 in 31.8 mm
Dimension L Exp	3.95 in 100.3 mm
Dimension L Fix	3.86 in 98 mm
Dimension M	2.37 in 60.2 mm
Dimension N	1.25 in 31.8 mm
Dimension RA	0.24 in 6.1 mm
Dimension SA	3.62 in 91.9 mm

Radial and Thrust Factors

C0 - Static Load	54100 lbf 240000 N
C - Dynamic Load (Basic)	49900 lbf 222000 N
e - Geometry Factor	0.22
Y1 - Geometry Factor	3.14
Y2 - Geometry Factor	4.67

Engineering Seal Speed

Oil Lubrication - M/N Seal	1600 rpm
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Oil Lubrication - T Seal	2900 rpm
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Oil Lubrication - B/C/O Seal	1300 rpm
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Grease Lubrication - M/N Seal	1600 rpm
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Grease Lubrication - T Seal	2400 rpm
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Grease Lubrication - B/C/O Seal	1300 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0020 in 0.051 mm
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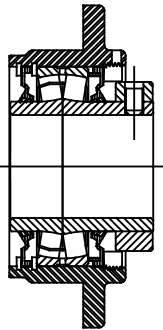
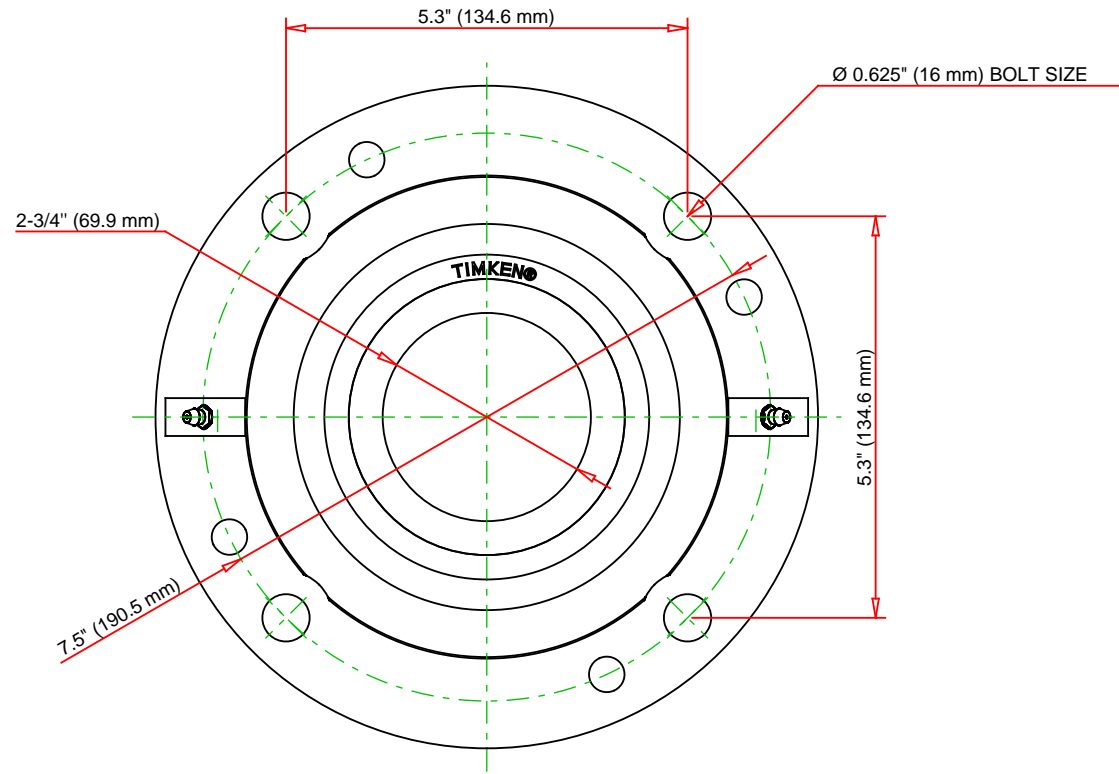
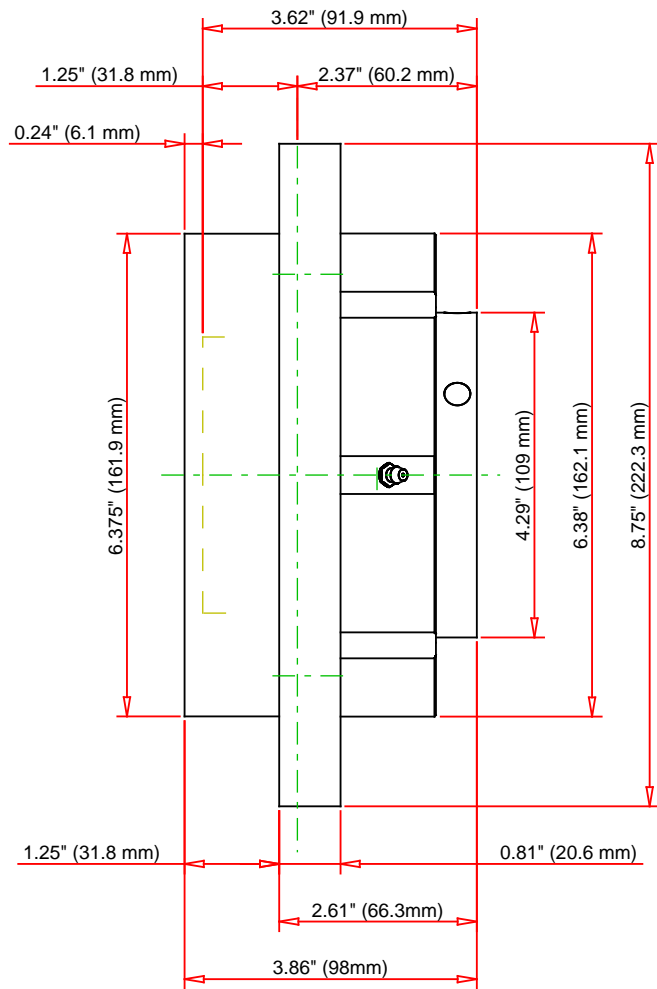
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0020
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Eng Internal Radial Clearance - Max	0.0031
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Pre Install Clearance Min	0.0020 in 0.050 mm
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Pre Install Clearance Max	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	22	lb	10	kg
Max. Speed T-Seals & Grease	2400	rpm		
Rad. Clearance - Max.	0.0031			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAC15A212S

Single Concentric Piloted Flange
Cartridge

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