


The Timken Company

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Part Number QACW15A300S, 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 3 in

Shaft Size Type Imperial

Full Timken Part Number

- QACW15A300SB
- QACW15A300SC
- QACW15A300SEB
- QACW15A300SEC
- QACW15A300SEM
- QACW15A300SEN
- QACW15A300SEO
- QACW15A300SET
- QACW15A300SETNG
- QACW15A300SM
- QACW15A300SMSLA
- QACW15A300SMT
- QACW15A300SN



QACW15A300SO
 QACW15A300ST
 QACW15A300STNG

Locking Style Single Concentric

Housing Construction Piloted Flange Cartridge

UPC Code

0883450037204
 0883450037211
 0883450037235
 0883450037242
 0883450037259
 0883450037266
 0883450037273
 0883450037280
 0883450193900
 0883450194068
 0883450271073
 0883450271233
 0883450433518
 0883450433525
 0883450673884
 0883450953818

Dimensions

Dimension BC 7-1/2 in
 190.5 mm

Dimension B Exp 1.89 in
 48 mm

Dimension B Fix 1.81 in
 46 mm

Dimension C 4.29 in
 109 mm

Dimension D 6.38 in
 162.1 mm

Dimension E 5.3 in
 134.6 mm

Dimension F	8-3/4 in 222.3 mm
Dimension G	6.375 in 161.9 mm
Dimension H	0.5 in 12.7 mm
Dimension J (Bolt Size)	0.625 in 16 mm
Dimension KA	1.25 in 31.8 mm
Dimension L Exp	3.76 in 95.5 mm
Dimension L Fix	3.68 in 93.5 mm
Dimension M	2.37 in 60.2 mm
Dimension N	1.88 in 47.8 mm
Dimension RA	0.06 in 1.5 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
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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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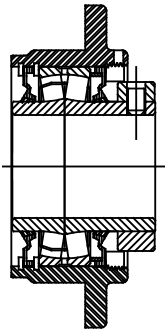
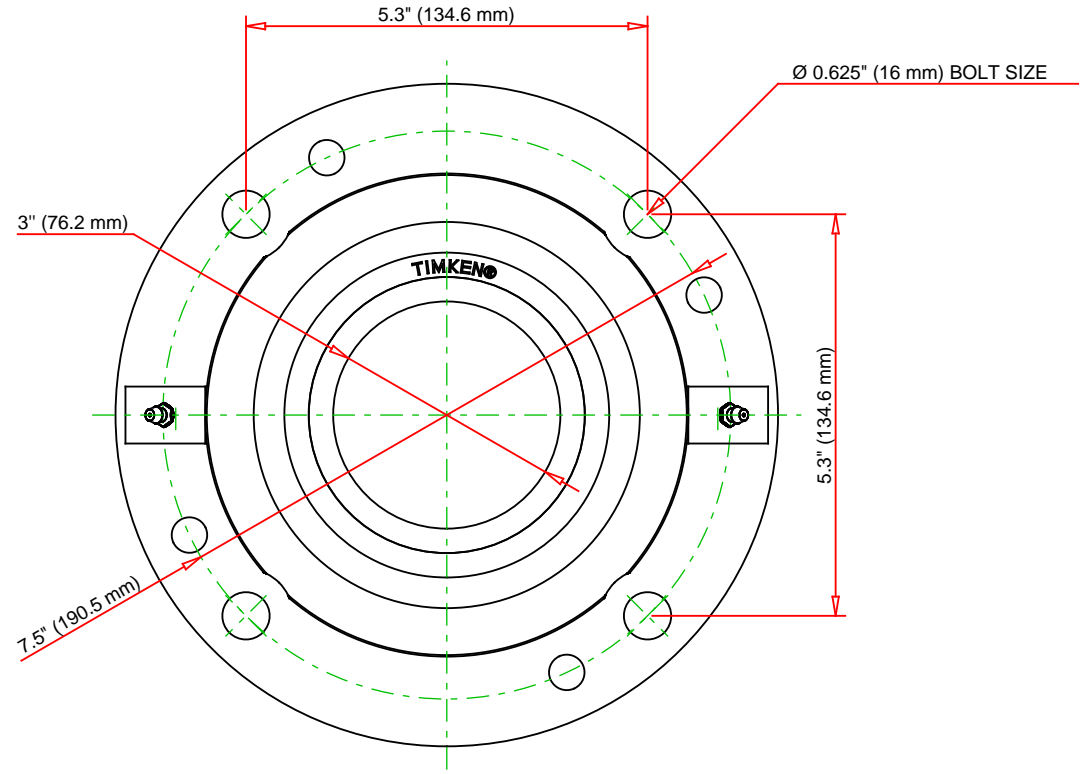
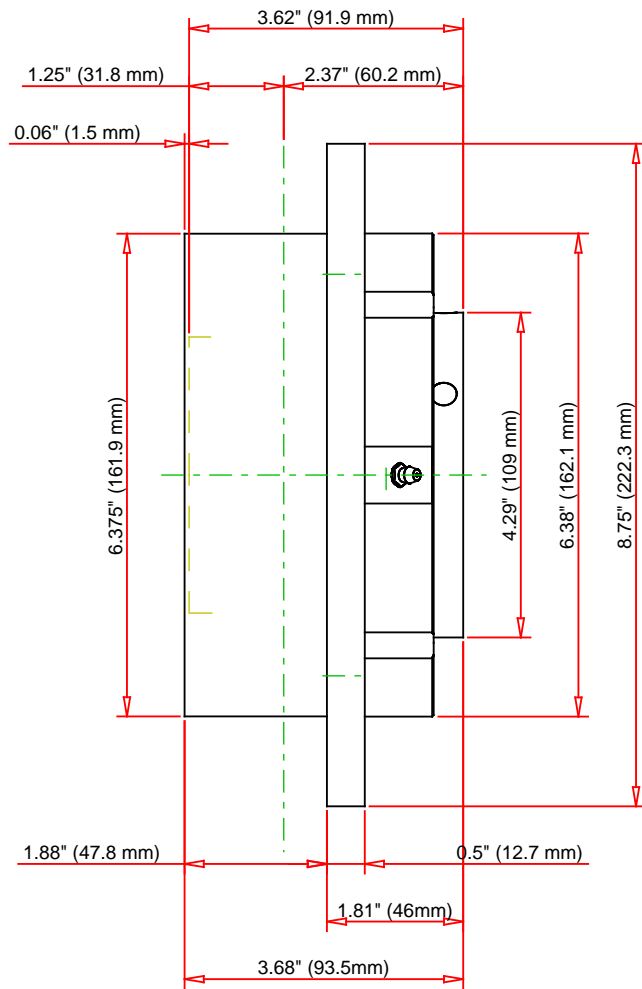
Engineering Internal Radial Clearance

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

QACW15A300S

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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