

TIMKEN**The Timken Company**

4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000**E-Mail:** CustomerCAD@timken.com • **Web site:** www.timken.com**Part Number QAACW22A407S, Double Concentric Piloted Flange Cartridge**

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Specifications

Engineering Group Mounted Bearing

Bearing Number 22222

Shaft Size 4 7/16 in

Shaft Size Type Imperial

Full Timken Part Number

- QAACW22A407SB
- QAACW22A407SC
- QAACW22A407SEB
- QAACW22A407SEC
- QAACW22A407SEM
- QAACW22A407SEN
- QAACW22A407SEO
- QAACW22A407SET
- QAACW22A407SM
- QAACW22A407SN
- QAACW22A407SO



QAACW22A407ST

Locking Style Double Concentric

Housing Construction Piloted Flange Cartridge

UPC Code

0883450018203
0883450018210
0883450018234
0883450018241
0883450018258
0883450018265
0883450018272
0883450018289
0883450194297
0883450194471
0883450271462
0883450271646

Dimensions

Dimension BC 11-3/4 in
298.5 mm

Dimension C 6.125 in
155.6 mm

Dimension D 10.25 in
260.4 mm

Dimension E 5.88 in
149.4 mm

Dimension B Exp 2.52 in
64 mm

Dimension B Fix 2.44 in
62 mm

Dimension F 13-1/2 in
342.900 mm

Dimension H 1 in
25.4 mm

Dimension J (Bolt Size)	0.75 in 20 mm
Dimension M	3.13 in 79.5 mm
Dimension L Exp	5.21 in 132.3 mm
Dimension L Fix	5.12 in 130 mm
Dimension RAA	1.13 in 28.7 mm
Dimension SAA	6.25 in 158.8 mm
Dimension G	10.25 in 260.4 mm
Dimension N	2.69 in 68.3 mm

Radial and Thrust Factors

C0 - Static Load	147000 lbf 653000 N
C - Dynamic Load (Basic)	125000 lbf 555000 N
e - Geometry Factor	0.25
Y1 - Geometry Factor	2.73
Y2 - Geometry Factor	4.06

Engineering Seal Speed

Oil Lubrication - M/N Seal	900 rpm
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Oil Lubrication - T Seal	1700 rpm
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Oil Lubrication - B/C/O Seal	600 rpm
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Grease Lubrication - M/N Seal	900 rpm
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Grease Lubrication - T Seal	1200 rpm
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Grease Lubrication - B/C/O Seal	600 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0050 in 0.127 mm
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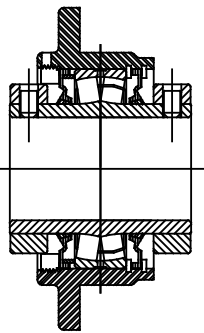
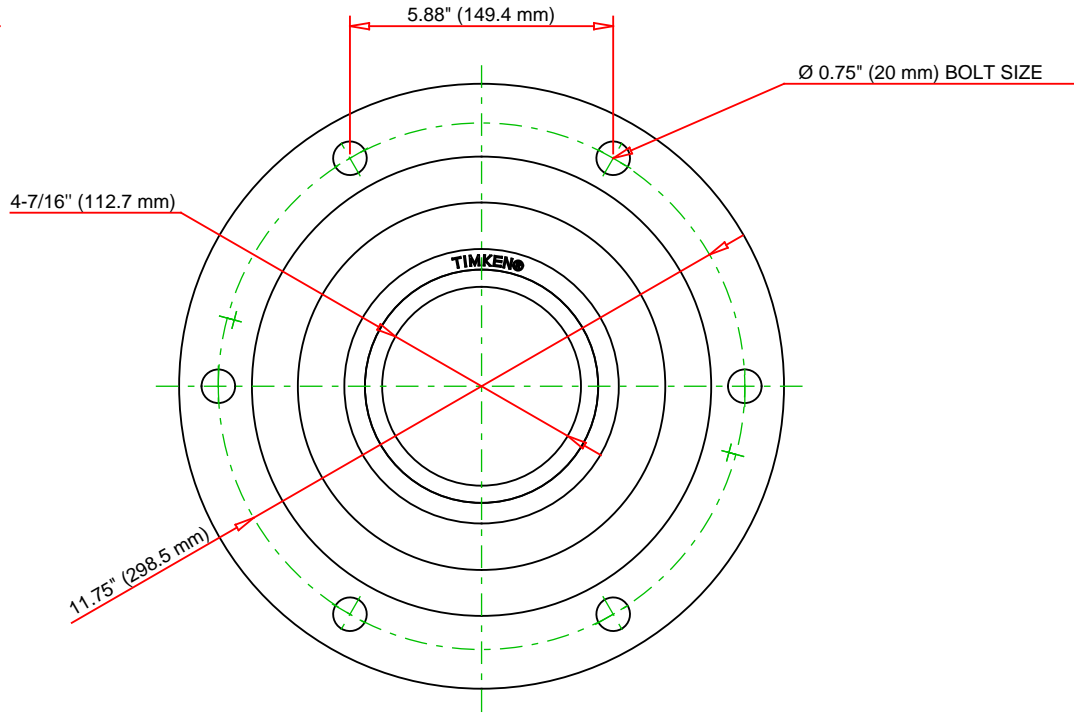
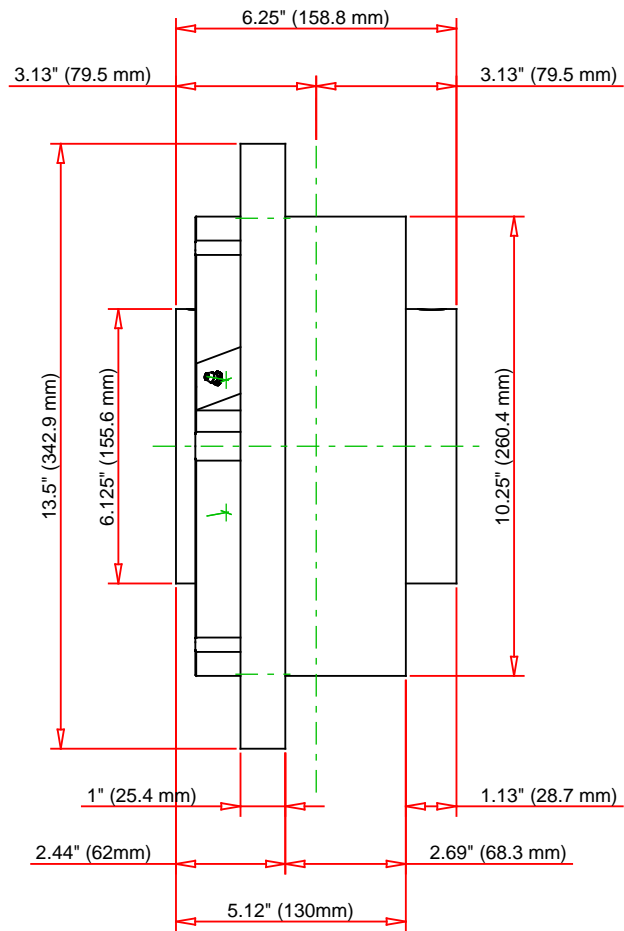
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0030
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Eng Internal Radial Clearance - Max	0.0047
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Pre Install Clearance Min	0.075 in 0.0030 mm
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Pre Install Clearance Max	0.120 in 0.0047 mm
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Note: Section View not to Scale

C - Dynamic Load	125000	lbf	555000	N
C0 - Static Load	147000	lbf	653000	N
Weight	72	lb	32.7	kg
Max. Speed T-Seals & Grease	1200	rpm		
Rad. Clearance - Max.	0.0047			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAACW22A407S

Double 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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