

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 QAACW10A115S, Double Concentric Piloted Flange Cartridge**

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Specifications**Engineering Group** Mounted Bearing**Bearing Number** 22210**Shaft Size** 1 15/16 in**Shaft Size Type** Imperial

Full Timken Part Number

- QAACW10A115SB
- QAACW10A115SC
- QAACW10A115SEB
- QAACW10A115SEC
- QAACW10A115SEM
- QAACW10A115SEN
- QAACW10A115SEO
- QAACW10A115SET
- QAACW10A115SM
- QAACW10A115SN
- QAACW10A115SO



QAACW10A115ST

Locking Style Double Concentric

Housing Construction Piloted Flange Cartridge

UPC Code

0883450016704
 0883450016711
 0883450016735
 0883450016742
 0883450016759
 0883450016766
 0883450016773
 0883450016780
 0883450194136
 0883450194310
 0883450271301
 0883450271486

Dimensions

Dimension BC 5.38 in
136.7 mm

Dimension C 2.88 in
73.2 mm

Dimension D 4.47 in
113.5 mm

Dimension E 3.8 in
96.5 mm

Dimension B Exp 1.57 in
39.9 mm

Dimension B Fix 1.52 in
38.6 mm

Dimension F 6.38 in
162.1 mm

Dimension H 0.38 in
9.7 mm

| | |
|--------------------------------|-------------------|
| Dimension J (Bolt Size) | 0.438 in 10 mm |
|--------------------------------|-------------------|

| | |
|--------------------|--------------------|
| Dimension M | 1.87 in 47.5 mm |
|--------------------|--------------------|

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|------------------------|------------------|
| Dimension L Exp | 3.07 in 78 mm |
|------------------------|------------------|

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|------------------------|--------------------|
| Dimension L Fix | 3.02 in 76.7 mm |
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| Dimension RAA | 0.72 in 18.3 mm |
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|----------------------|--------------------|
| Dimension SAA | 3.75 in 95.3 mm |
|----------------------|--------------------|

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|--------------------|--------------------|
| Dimension G | 4.5 in 114.3 mm |
|--------------------|--------------------|

| | |
|--------------------|-------------------|
| Dimension N | 1.5 in 38.1 mm |
|--------------------|-------------------|

Radial and Thrust Factors

| | |
|-------------------------|-----------------------|
| C0 - Static Load | 26600 lbf 118000 N |
|-------------------------|-----------------------|

| | |
|---------------------------------|-----------------------|
| C - Dynamic Load (Basic) | 26300 lbf 117000 N |
|---------------------------------|-----------------------|

| | |
|----------------------------|------|
| e - Geometry Factor | 0.24 |
|----------------------------|------|

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|-----------------------------|------|
| Y1 - Geometry Factor | 2.84 |
|-----------------------------|------|

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|-----------------------------|------|
| Y2 - Geometry Factor | 4.23 |
|-----------------------------|------|

Engineering Seal Speed

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|-----------------------------------|----------|
| Oil Lubrication - M/N Seal | 2400 rpm |
|-----------------------------------|----------|

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|---------------------------------|----------|
| Oil Lubrication - T Seal | 4200 rpm |
|---------------------------------|----------|

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|-------------------------------------|----------|
| Oil Lubrication - B/C/O Seal | 1800 rpm |
|-------------------------------------|----------|

| | |
|--------------------------------------|----------|
| Grease Lubrication - M/N Seal | 2400 rpm |
|--------------------------------------|----------|

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|------------------------------------|----------|
| Grease Lubrication - T Seal | 3550 rpm |
|------------------------------------|----------|

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|--|----------|
| Grease Lubrication - B/C/O Seal | 1800 rpm |
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Engineering Bearing Attributes

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|--------------|----------------------|
| Float | 0.050 in 1.270 mm |
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| Shaft Tolerance | 0.0015 in 0.038 mm |
|------------------------|-----------------------|

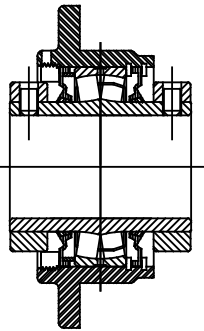
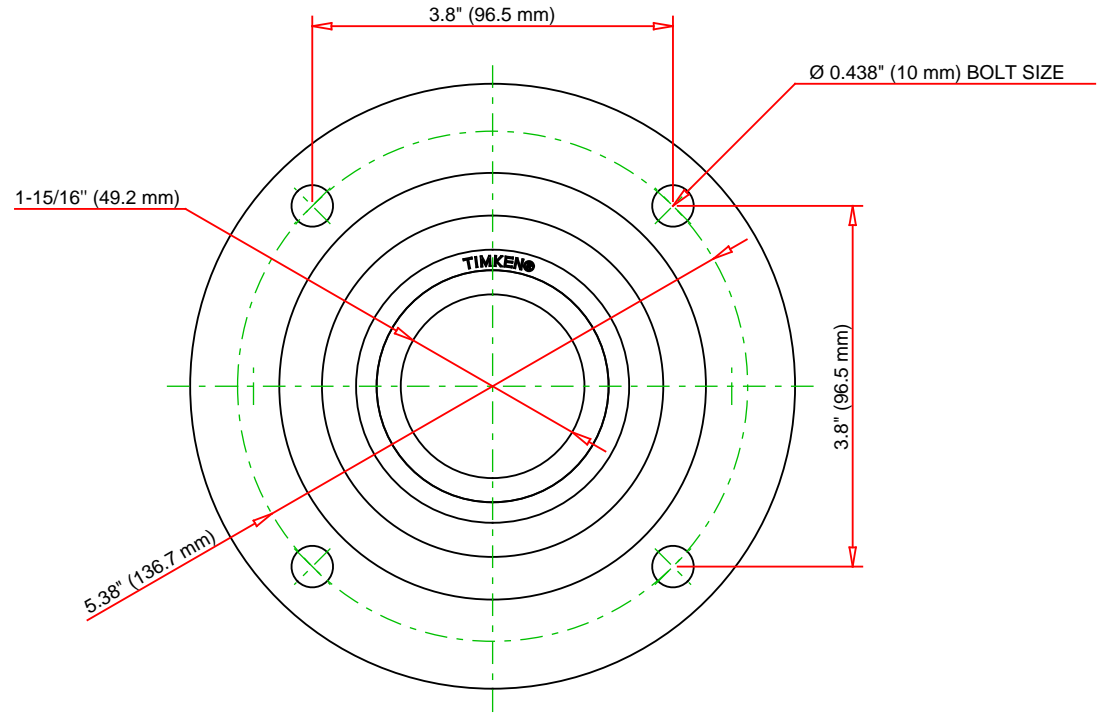
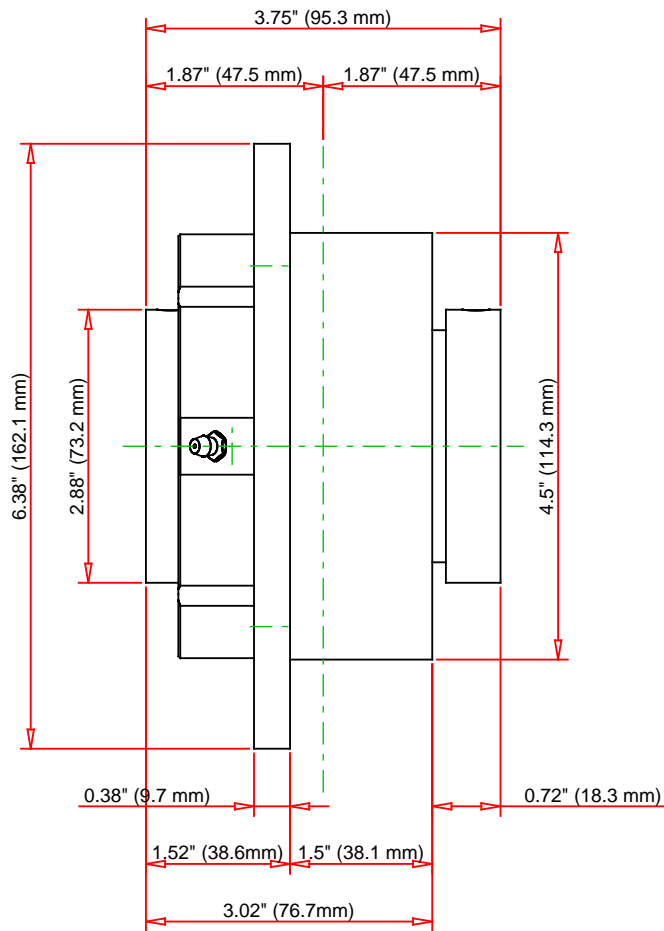
Engineering Internal Radial Clearance

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| 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 | 0.040 in 0.0016 mm |
|----------------------------------|-----------------------|

| | |
|----------------------------------|-----------------------|
| Pre Install Clearance Max | 0.065 in 0.0026 mm |
|----------------------------------|-----------------------|



Note: Section View not to Scale

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|-----------------------------|--------|-----|--------|----|
| C - Dynamic Load | 26300 | lbf | 117000 | N |
| C0 - Static Load | 26600 | lbf | 118000 | N |
| Weight | 10 | lb | 4.5 | kg |
| Max. Speed T-Seals & Grease | 3550 | rpm | | |
| Rad. Clearance - Max. | 0.0026 | | | |

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NORTH CANTON, OHIO USA

QAACW10A115S
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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