



The Timken Company

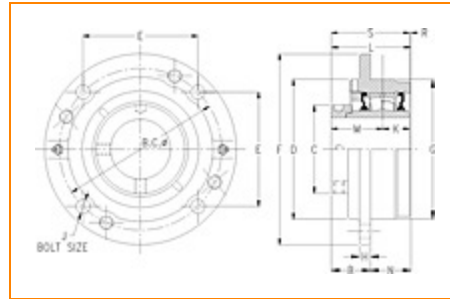
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Part Number QMCW10J200S, Eccentric Piloted Flange Cartridge



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22210

Shaft Size 2 in

Shaft Size Type Imperial

Full Timken Part Number

- QMCW10J200SB
- QMCW10J200SC
- QMCW10J200SEB
- QMCW10J200SEC
- QMCW10J200SEM
- QMCW10J200SEN
- QMCW10J200SEO
- QMCW10J200SET
- QMCW10J200SM
- QMCW10J200SMT
- QMCW10J200SN
- QMCW10J200SO
- QMCW10J200ST



| | |
|-----------------------------|---|
| Locking Style | Eccentric |
| Housing Construction | Piloted Flange Cartridge |
| UPC Code | 0883450062022 0883450062039 0883450062053 0883450062060 0883450062077 0883450062084 0883450062091 0883450062107 0883450166430 0883450167154 0883450258593 0883450259132 0883450961424 |

Dimensions

| | |
|------------------------|---------------------|
| Dimension BC | 5.38 in 136.7 mm |
| Dimension B Exp | 1.62 in 41.1 mm |
| Dimension B Fix | 1.54 in 39.1 mm |
| Dimension C | 2.76 in 70.1 mm |
| Dimension D | 4.47 in 113.5 mm |
| Dimension E | 3.8 in 96.5 mm |
| Dimension F | 6.38 in 162.1 mm |
| Dimension G | 4.5 in 114.3 mm |

| | |
|--------------------------------|--------------------|
| Dimension H | 0.38 in 9.7 mm |
| Dimension J (Bolt Size) | 0.438 in 10 mm |
| Dimension K | 0.98 in 24.9 mm |
| Dimension L Exp | 3.12 in 79.2 mm |
| Dimension L Fix | 3.04 in 77.2 mm |
| Dimension M | 1.89 in 48 mm |
| Dimension N | 1.5 in 38.1 mm |
| Dimension R | 0.17 in 4.3 mm |
| Dimension S | 2.87 in 72.9 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 |
| Y1 - Geometry Factor | 2.84 |
| Y2 - Geometry Factor | 4.23 |

Engineering Seal Speed

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

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

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

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

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

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

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 |
|------------------------|-----------------------|

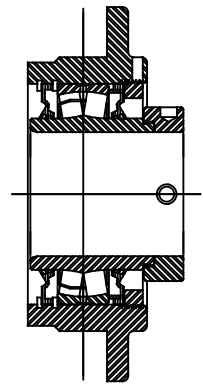
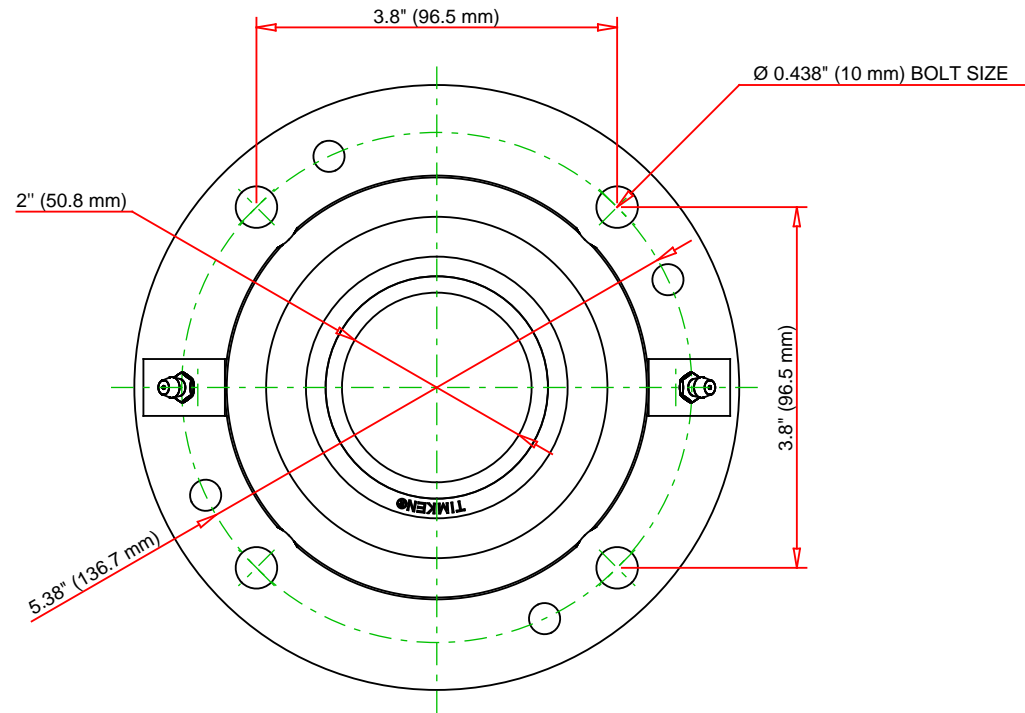
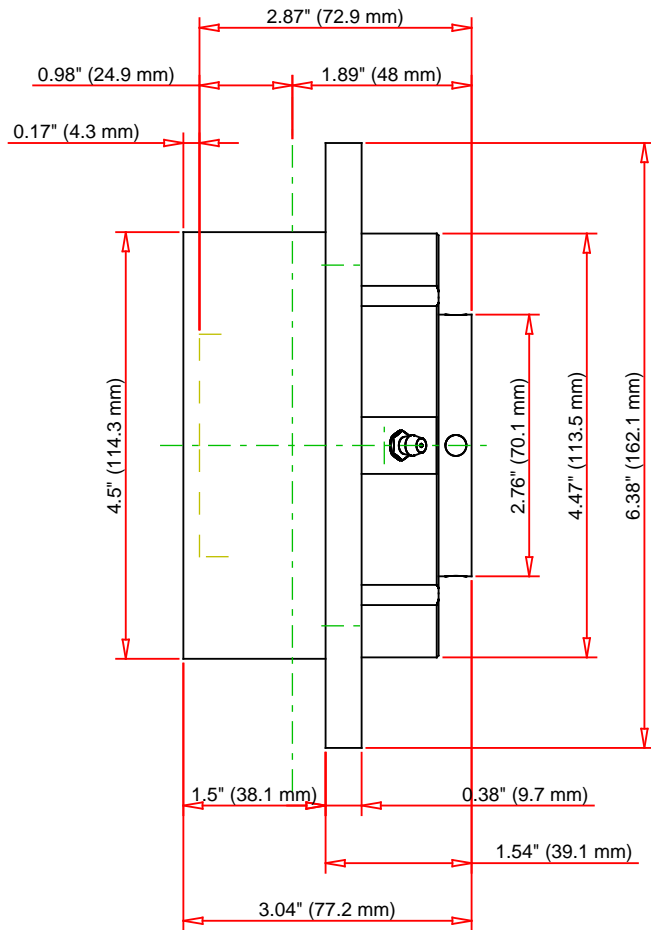
Engineering Internal Radial Clearance

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|--|--------|
| Eng Internal Radial Clearance - Min | 0.0016 |
|--|--------|

| | |
|--|--------|
| 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 | 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 | | | |

TIMKEN

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NORTH CANTON, OHIO USA

QMCW10J200S
Eccentric Piloted Flange Cartridge

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