



The Timken Company

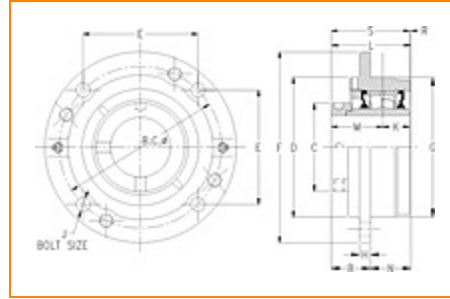
4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000

E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number QMCW09J112S, Eccentric Piloted Flange Cartridge



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22209

Shaft Size 1 3/4 in

Shaft Size Type Imperial

Full Timken Part Number

- QMCW09J112SB
- QMCW09J112SC
- QMCW09J112SEB
- QMCW09J112SEC
- QMCW09J112SEM
- QMCW09J112SEN
- QMCW09J112SEO
- QMCW09J112SET
- QMCW09J112SM
- QMCW09J112SN
- QMCW09J112SO
- QMCW09J112ST



Locking Style	Eccentric
Housing Construction	Piloted Flange Cartridge
UPC Code	0883450061728 0883450061735 0883450061759 0883450061766 0883450061773 0883450061780 0883450061797 0883450061803 0883450166416 0883450167130 0883450258562 0883450259118

Dimensions

Dimension BC	5.13 in 130.3 mm
Dimension B Exp	1.58 in 40.1 mm
Dimension B Fix	1.53 in 38.9 mm
Dimension C	2.63 in 66.8 mm
Dimension D	4.38 in 111.3 mm
Dimension E	3.62 in 91.9 mm
Dimension F	6.13 in 155.7 mm
Dimension G	4.25 in 108 mm

Dimension H	0.4 in 10.2 mm
Dimension J (Bolt Size)	0.438 in 10 mm
Dimension K	0.99 in 25.1 mm
Dimension L Exp	3.08 in 78.2 mm
Dimension L Fix	3.03 in 77 mm
Dimension M	1.88 in 47.8 mm
Dimension N	1.5 in 38.1 mm
Dimension R	0.16 in 4.1 mm
Dimension S	2.87 in 72.9 mm

Radial and Thrust Factors

C0 - Static Load	24200 lbf 108000 N
C - Dynamic Load (Basic)	24500 lbf 109000 N
e - Geometry Factor	0.26
Y1 - Geometry Factor	2.64
Y2 - Geometry Factor	3.93

Engineering Seal Speed

Oil Lubrication - M/N Seal	2700 rpm
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Oil Lubrication - T Seal	4500 rpm
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Oil Lubrication - B/C/O Seal	1950 rpm
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Grease Lubrication - M/N Seal	2700 rpm
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Grease Lubrication - T Seal	4000 rpm
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Grease Lubrication - B/C/O Seal	1950 rpm
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Engineering Bearing Attributes

Float	0.050 in 1.270 mm
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Shaft Tolerance	0.0015 in 0.038 mm
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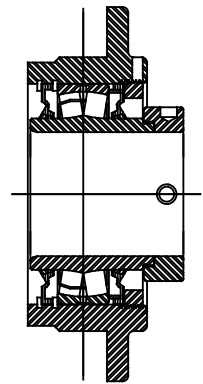
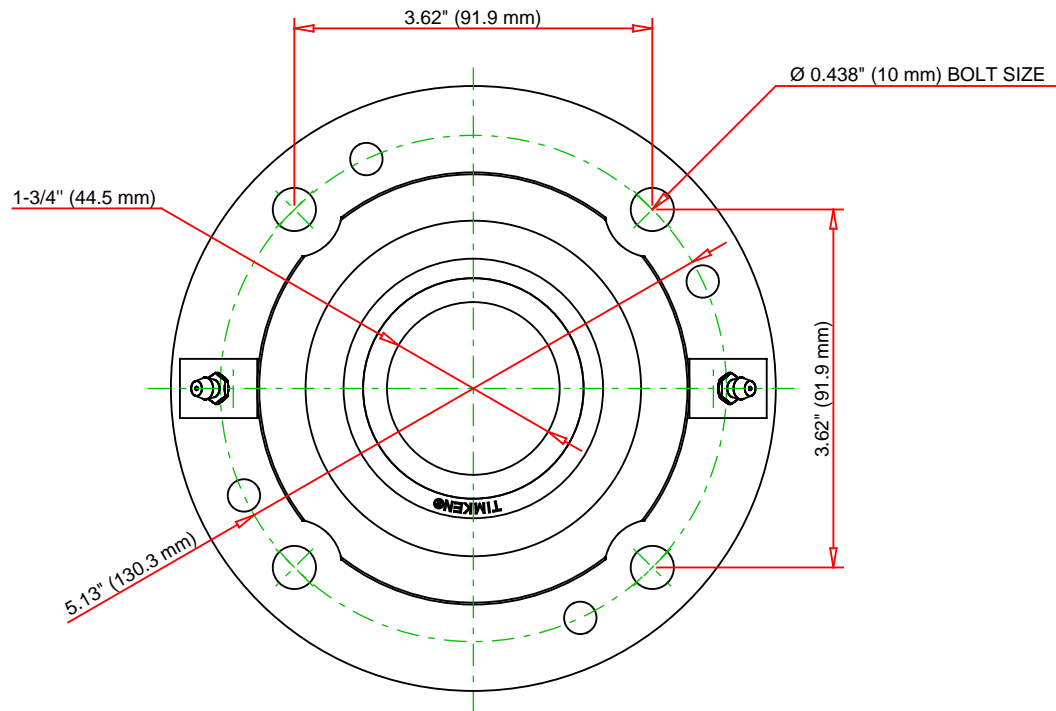
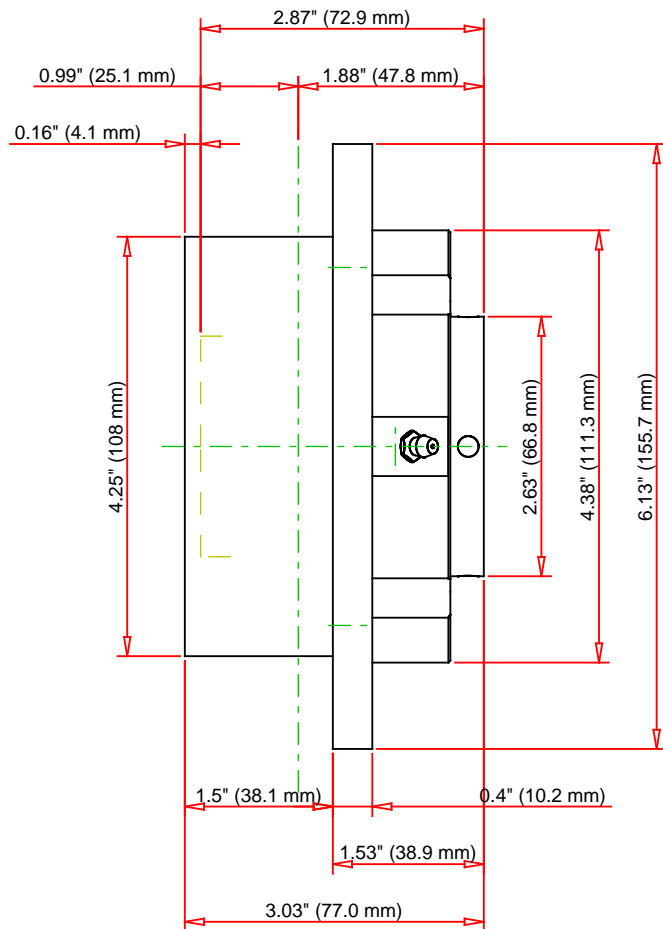
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0014
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Eng Internal Radial Clearance - Max	0.0022
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Pre Install Clearance Min	0.0014 in 0.035 mm
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Pre Install Clearance Max	0.0022 in 0.055 mm
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Note: Section View not to Scale

C - Dynamic Load	24500	lbf	109000	N
C0 - Static Load	24200	lbf	108000	N
Weight	9	lb	4.1	kg
Max. Speed T-Seals & Grease	4000	rpm		
Rad. Clearance - Max.	0.0022			

TIMKEN

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NORTH CANTON, OHIO USA

QMCW09J112S
Eccentric 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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