


The Timken Company

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Part Number DVC09K107S, Tapered Adapter Piloted Flange Cartridge


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Specifications

Engineering Group Mounted Bearing

Bearing Number 22209

Shaft Size 1 7/16 in

Shaft Size Type Imperial

Full Timken Part Number

- DVC09K107SB
- DVC09K107SC
- DVC09K107SEB
- DVC09K107SEC
- DVC09K107SEM
- DVC09K107SEN
- DVC09K107SEO
- DVC09K107SET
- DVC09K107SM
- DVC09K107SN
- DVC09K107SO
- DVC09K107ST



Locking Style Tapered Adapter

Housing Construction Piloted Flange Cartridge

UPC Code

883450394956
883450394963
883450394970
883450394987
883450394994
883450395007
883450395014
883450395021
883450395038
883450395045
883450395052
883450395069

Dimensions

Dimension BC 4.38 in
111.3 mm

Dimension C 2.56 in
65 mm

Dimension E 3.09 in
78.5 mm

Dimension F 5 1/4 in
133.4 mm

Dimension G 3.625 in
92.1 mm

Dimension H 1.05 in
26.6 mm

Dimension I 1.9 in
48.3 mm

Dimension J (Bolt Size) 0.438 in
10 mm

Dimension L	2.18 in 55.4 mm
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Dimension M	1.21 in 30.7 mm
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Dimension N	0.94 in 23.9 mm
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Dimension R	0.2 in 5.1 mm
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Dimension S	1.98 in 50.3 mm
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Radial and Thrust Factors

C0 - Static Load	24200 lbf 108000 N
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C - Dynamic Load (Basic)	24500 lbf 109000 N
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e - Geometry Factor	0.26
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Y1 - Geometry Factor	2.64
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Y2 - Geometry Factor	3.93
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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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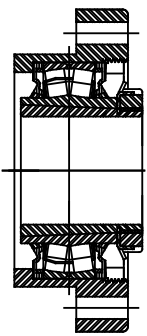
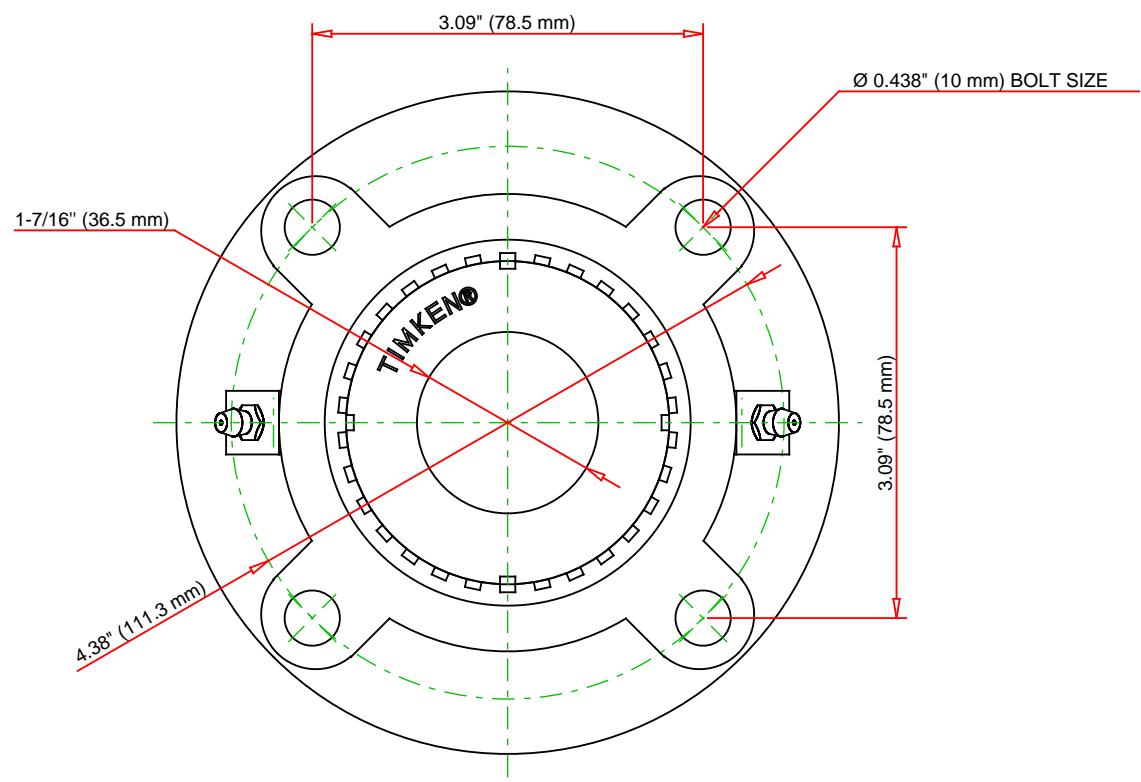
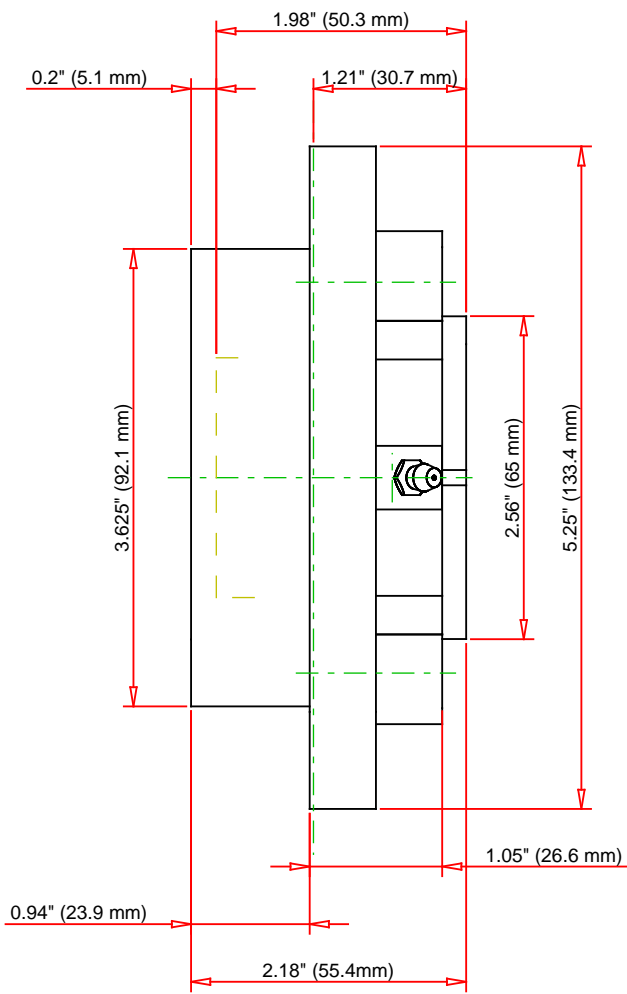
Grease Lubrication - B/C/O Seal	1950 rpm
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Engineering Bearing Attributes

Float	0.050 in 1.270 mm
Shaft Tolerance	0.0010 in 0.025 mm

Engineering Internal Radial Clearance

Pre Install Clearance Min	0.0024 in 0.061 mm
Pre Install Clearance Max	0.0031 in 0.079 mm



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.				

TIMKEN

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NORTH CANTON, OHIO USA

DVC09K107S

Tapered Adapter 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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