



The Timken Company

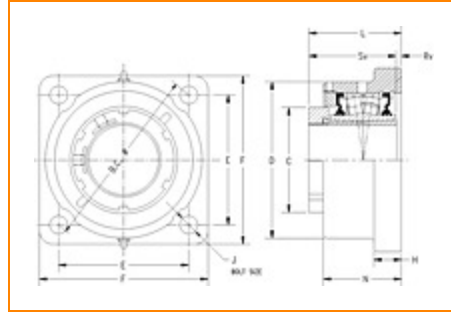
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Part Number QVF19V307S, Single V-Lock Four-Bolt Square Flange Block



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Specifications

Engineering Group	Mounted Bearing
Bearing Number	22219
Shaft Size	3 7/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QVF19V307SB QVF19V307SC QVF19V307SEB QVF19V307SEC QVF19V307SEM QVF19V307SEN QVF19V307SEO QVF19V307SET QVF19V307SM QVF19V307SN QVF19V307SO



QVF19V307ST

Locking Style

Single V-Lock

Housing Construction

Four-Bolt Square Flange

UPC Code

0883450040693
 0883450040723
 0883450107891
 0883450107938
 0883450178457
 0883450210805
 0883450211185
 0883450223225
 0883450223607
 0883450235723
 0883450236102
 0883450295789

Dimensions**Dimension BC**

9.91 in
 251.7 mm

Dimension C

4.9 in
 124.5 mm

Dimension D

7.63 in
 193.8 mm

Dimension L

3.87 in
 98.3 mm

Dimension E

7 in
 177.8 mm

Dimension F

8.63 in
 219.2 mm

Dimension H

1.31 in
 33.3 mm

Dimension J (Bolt Size)

0.75 in
 20 mm

Dimension L Exp	3.95 in 100.3 mm
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Dimension L Fix	3.87 in 98.3 mm
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Dimension N	3.31 in 84.1 mm
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Dimension RV	0.18 in 4.6 mm
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Dimension SV	3.69 in 93.7 mm
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Radial and Thrust Factors

C0 - Static Load	99000 lbf 441000 N
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C - Dynamic Load (Basic)	86600 lbf 385000 N
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e - Geometry Factor	0.24
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Y1 - Geometry Factor	2.80
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Y2 - Geometry Factor	4.17
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Engineering Seal Speed

Oil Lubrication - M/N Seal	1300 rpm
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Oil Lubrication - T Seal	2200 rpm
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Oil Lubrication - B/C/O Seal	1000 rpm
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Grease Lubrication - M/N Seal	1300 rpm
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Grease Lubrication - T Seal	1800 rpm
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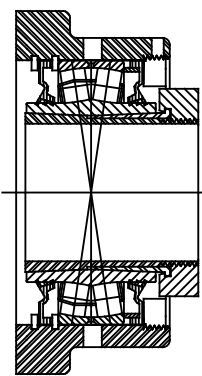
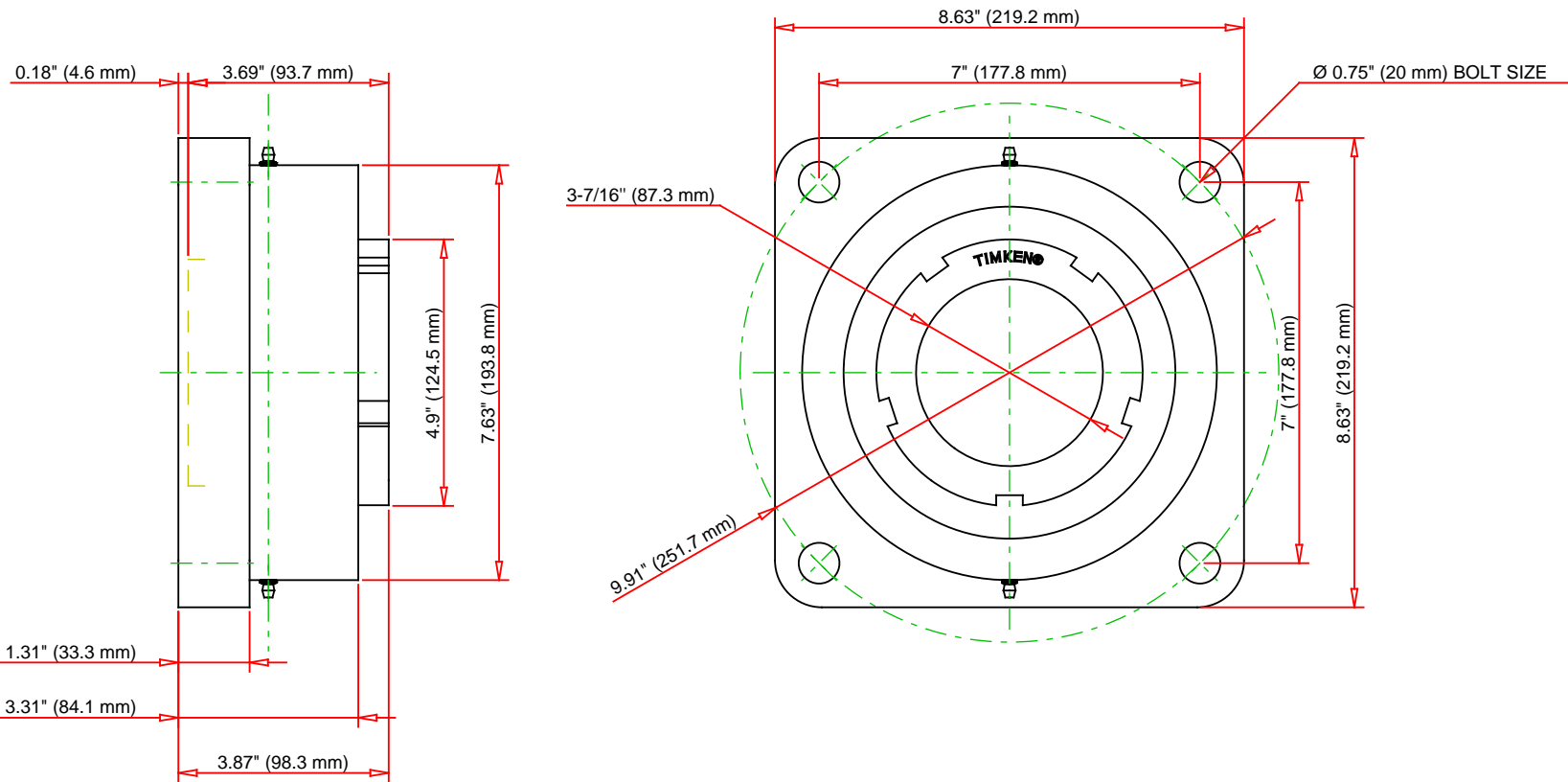
Grease Lubrication - B/C/O Seal	950 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
Shaft Tolerance	0.0030 in 0.076 mm

Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0043
Eng Internal Radial Clearance - Max	0.0055
Pre Install Clearance Min	0.0043 in 0.110 mm
Pre Install Clearance Max	0.0055 in 0.140 mm



Note: Section View not to Scale

C - Dynamic Load	86600	lbf	385000	N
C0 - Static Load	99000	lbf	441000	N
Weight	35	lb	15.9	kg
Max. Speed T-Seals & Grease	1800	rpm		
Rad. Clearance - Max.	0.0055			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QVF19V307S
Single V-Lock Four-Bolt Square
Flange Block

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.

FOR DISCUSSION ONLY