



The Timken Company

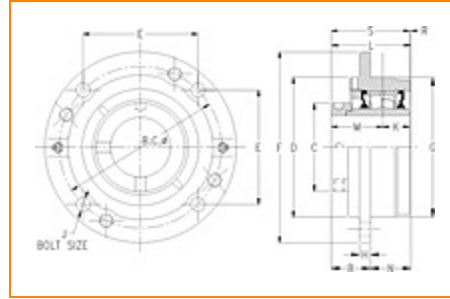
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Part Number QMCW18J090S, Eccentric Piloted Flange Cartridge



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22218

Shaft Size 90 mm

Shaft Size Type Metric

Full Timken Part Number

- QMCW18J090SB
- QMCW18J090SC
- QMCW18J090SEB
- QMCW18J090SEC
- QMCW18J090SEM
- QMCW18J090SEN
- QMCW18J090SEO
- QMCW18J090SET
- QMCW18J090SM
- QMCW18J090SN
- QMCW18J090SO
- QMCW18J090ST



Locking Style	Eccentric
Housing Construction	Piloted Flange Cartridge

UPC Code	0883450063326
	0883450063333
	0883450063357
	0883450063364
	0883450063371
	0883450063388
	0883450063395
	0883450063401
	0883450166621
	0883450167345
0883450258807	
0883450259347	

Dimensions

Dimension BC	8.63 in 219.2 mm
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Dimension B Exp	2.54 in 64.5 mm
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Dimension B Fix	2.46 in 62.5 mm
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Dimension C	4.76 in 120.9 mm
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Dimension D	7.38 in 187.5 mm
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Dimension E	6.1 in 154.9 mm
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Dimension F	10-1/4 in 260.4 mm
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Dimension G	7.375 in 187.3 mm
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Dimension H	0.88 in 22.4 mm
Dimension J (Bolt Size)	0.75 in 20 mm
Dimension K	1.44 in 36.6 mm
Dimension L Exp	4.42 in 112.3 mm
Dimension L Fix	4.34 in 110.2 mm
Dimension M	2.59 in 65.8 mm
Dimension N	1.88 in 47.8 mm
Dimension R	0.31 in 7.9 mm
Dimension S	4.03 in 102.4 mm

Radial and Thrust Factors

C0 - Static Load	87200 lbf 388000 N
C - Dynamic Load (Basic)	79700 lbf 355000 N
e - Geometry Factor	0.23
Y1 - Geometry Factor	2.90
Y2 - Geometry Factor	4.31

Engineering Seal Speed

Oil Lubrication - M/N Seal	1400 rpm
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Oil Lubrication - T Seal	2400 rpm
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Oil Lubrication - B/C/O Seal	1000 rpm
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Grease Lubrication - M/N Seal	1400 rpm
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Grease Lubrication - T Seal	2000 rpm
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Grease Lubrication - B/C/O Seal	1000 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0030 in 0.076 mm
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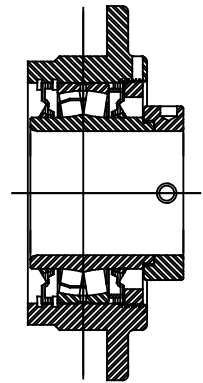
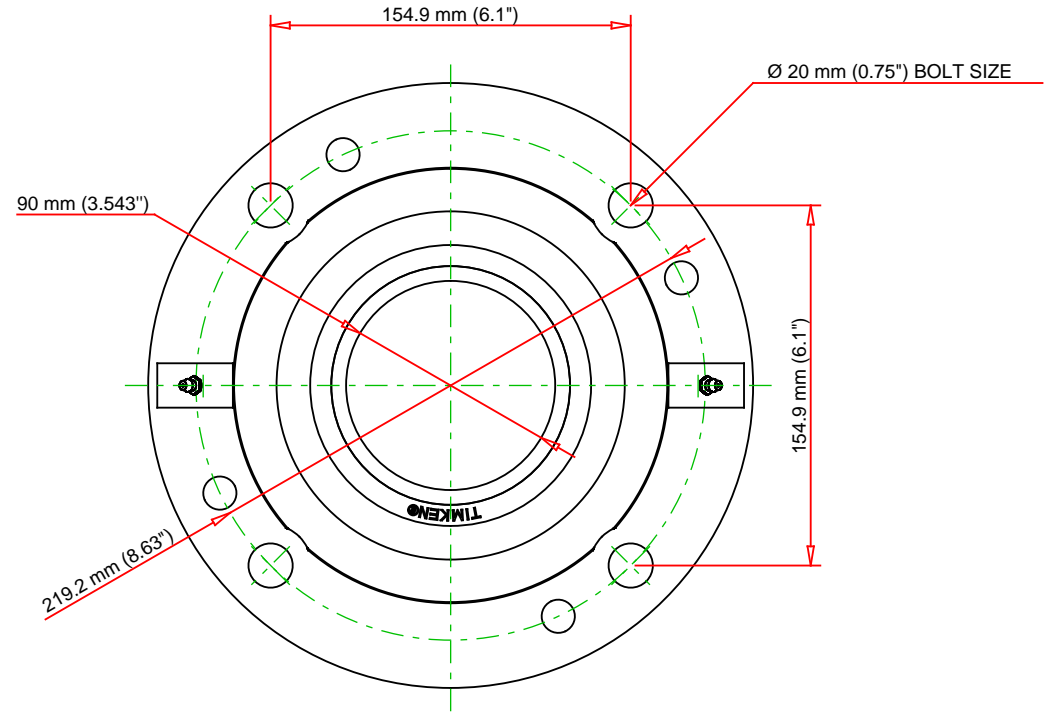
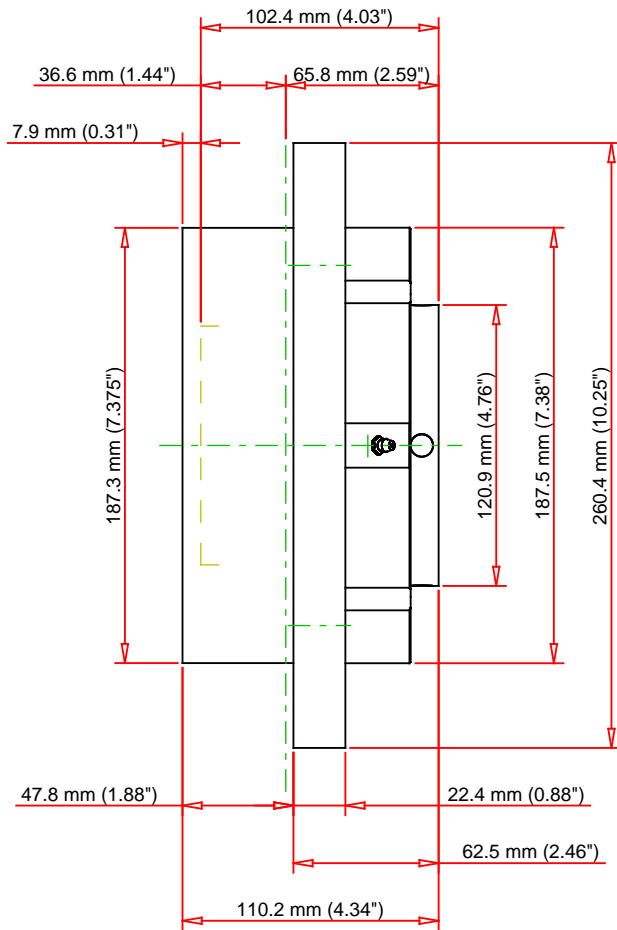
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0024
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Eng Internal Radial Clearance - Max	0.0039
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Pre Install Clearance Min	0.0024 in 0.060 mm
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Pre Install Clearance Max	0.0039 in 0.100 mm
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Note: Section View not to Scale

C - Dynamic Load	79700	lbf	355000	N
C0 - Static Load	87200	lbf	388000	N
Weight	32	lb	14.5	kg
Max. Speed T-Seals & Grease	2000	rpm		
Rad. Clearance - Max.	0.0039			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QMCW18J090S
Eccentric Piloted Flange Cartridge

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