


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 QAC13A060S, Single Concentric Piloted Flange Cartridge



[Specifications](#) | [Dimensions](#) | [Radial and Thrust Factors](#) | [Engineering Seal Speed](#) | [Engineering Bearing Attributes](#) | [Engineering Internal Radial Clearance](#)

Specifications

Engineering Group	Mounted Bearing
Bearing Number	22213
Shaft Size	60 mm
Shaft Size Type	Metric
Full Timken Part Number	QAC13A060SB QAC13A060SC QAC13A060SEB QAC13A060SEC QAC13A060SEM QAC13A060SEN QAC13A060SEO QAC13A060SET QAC13A060SM QAC13A060SN QAC13A060SO QAC13A060ST



Locking Style	Single Concentric
----------------------	-------------------

Housing Construction	Piloted Flange Cartridge
-----------------------------	--------------------------

UPC Code	0883450323826
	0883450323833
	0883450323840
	0883450323857
	0883450323864
	0883450323871
	0883450323888
	0883450323895
	0883450323901
	0883450323918
	0883450323925
	0883450323932

Dimensions

Dimension BC	6-1/2 in 165.1 mm
---------------------	----------------------

Dimension B Exp	2.48 in 63 mm
------------------------	------------------

Dimension B Fix	2.36 in 59.9 mm
------------------------	--------------------

Dimension C	3.8 in 96.5 mm
--------------------	-------------------

Dimension D	5.5 in 139.7 mm
--------------------	--------------------

Dimension E	4.6 in 116.8 mm
--------------------	--------------------

Dimension F	7.63 in 193.8 mm
--------------------	---------------------

Dimension G	5.5 in 139.7 mm
--------------------	--------------------

Dimension H	0.69 in 17.5 mm
Dimension J (Bolt Size)	0.5 in 12 mm
Dimension KA	1.24 in 31.5 mm
Dimension L Exp	3.57 in 90.7 mm
Dimension L Fix	3.49 in 88.6 mm
Dimension M	2.15 in 54.6 mm
Dimension N	1.13 in 28.7 mm
Dimension RA	0.1 in 2.5 mm
Dimension SA	3.39 in 86.1 mm

Radial and Thrust Factors

C0 - Static Load	48600 lbf 216000 N
C - Dynamic Load (Basic)	46400 lbf 206000 N
e - Geometry Factor	0.24
Y1 - Geometry Factor	2.79
Y2 - Geometry Factor	4.15

Engineering Seal Speed

Oil Lubrication - M/N Seal	1800 rpm
-----------------------------------	----------

Oil Lubrication - T Seal	3200 rpm
---------------------------------	----------

Oil Lubrication - B/C/O Seal	1500 rpm
-------------------------------------	----------

Grease Lubrication - M/N Seal	1800 rpm
--------------------------------------	----------

Grease Lubrication - T Seal	2800 rpm
------------------------------------	----------

Grease Lubrication - B/C/O Seal	1500 rpm
--	----------

Engineering Bearing Attributes

Float	0.083 in 2.108 mm
--------------	----------------------

Shaft Tolerance	0.0015 in 0.038 mm
------------------------	-----------------------

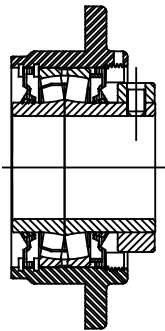
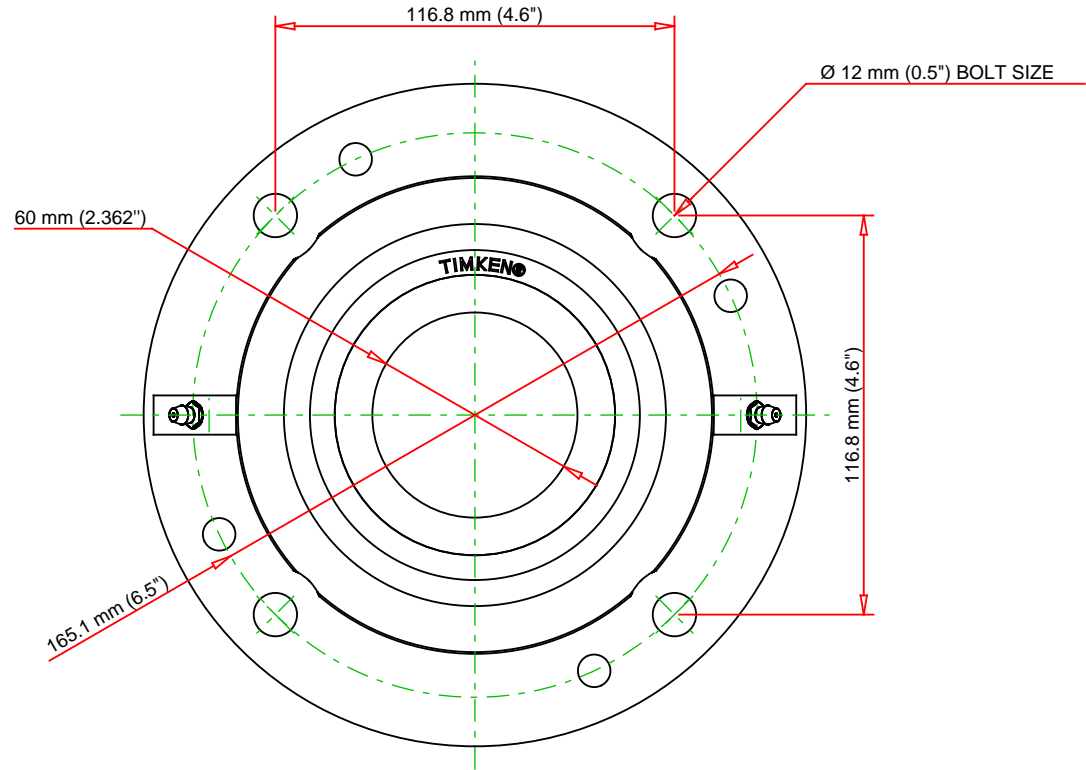
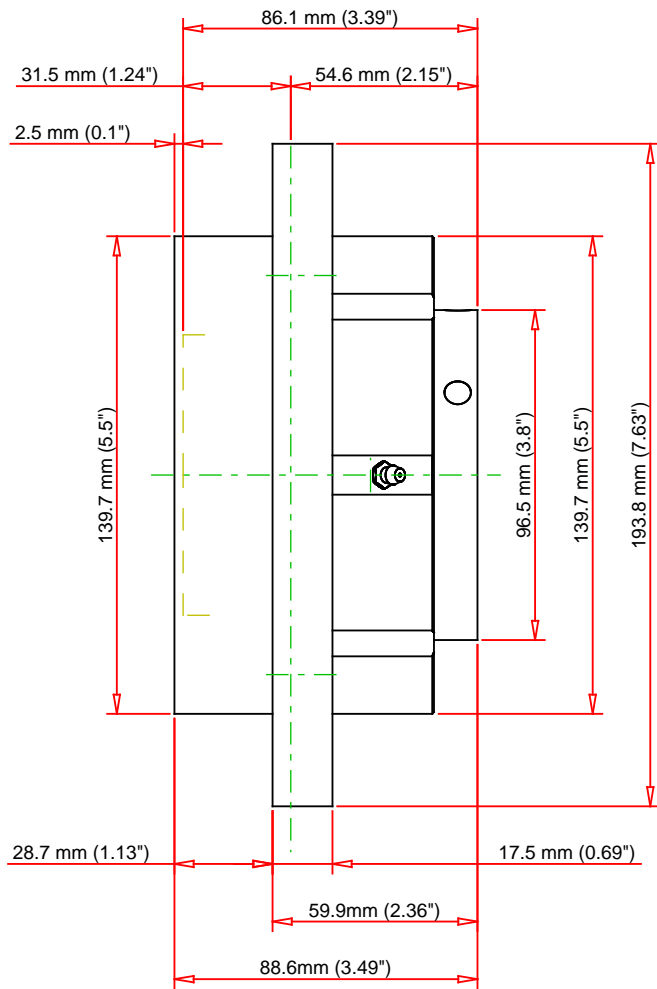
Engineering Internal Radial Clearance

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	46400	lbf	206000	N
C0 - Static Load	48600	lbf	216000	N
Weight	16	lb	7.3	kg
Max. Speed T-Seals & Grease	2800	rpm		
Rad. Clearance - Max.	0.0026			

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAC13A060S

Single Concentric 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.

FOR DISCUSSION ONLY