



The Timken Company

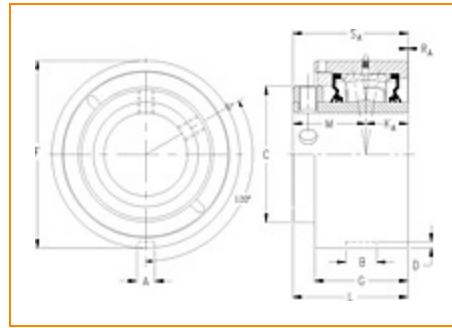
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Part Number QAMC13A060S, Single Concentric Cartridge Block



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22213

Shaft Size 60 mm

Shaft Size Type Metric

Full Timken Part Number

- QAMC13A060SB
- QAMC13A060SC
- QAMC13A060SEB
- QAMC13A060SEC
- QAMC13A060SEM
- QAMC13A060SEN
- QAMC13A060SEO
- QAMC13A060SET
- QAMC13A060SM
- QAMC13A060SN
- QAMC13A060SO
- QAMC13A060ST



| | |
|-----------------------------|--|
| Locking Style | Single Concentric |
| Housing Construction | Cartridge |
| UPC Code | 0883450302982 0883450302999 0883450303002 0883450303019 0883450303026 0883450303033 0883450303040 0883450303057 0883450303064 0883450303071 0883450303088 0883450303095 |

Dimensions

| | |
|------------------------|--------------------|
| Dimension A | 0.53 in 13.5 mm |
| Dimension B | 0.91 in 23.1 mm |
| Dimension C | 3.81 in 96.8 mm |
| Dimension D | 0.19 in 4.8 mm |
| Dimension F | 5 in 127 mm |
| Dimension G | 2.73 in 69.3 mm |
| Dimension KA | 1.24 in 31.5 mm |
| Dimension L Exp | 3.46 in 87.9 mm |

| | |
|------------------------|--------------------|
| Dimension L Fix | 3.38 in 85.9 mm |
|------------------------|--------------------|

| | |
|--------------------|--------------------|
| Dimension M | 2.15 in 54.6 mm |
|--------------------|--------------------|

| | |
|---------------------|--------------|
| Dimension RA | 0 in 0 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 |
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Engineering Bearing Attributes

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

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

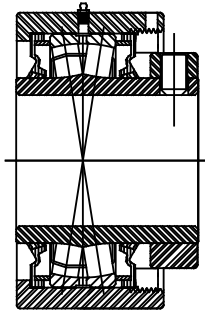
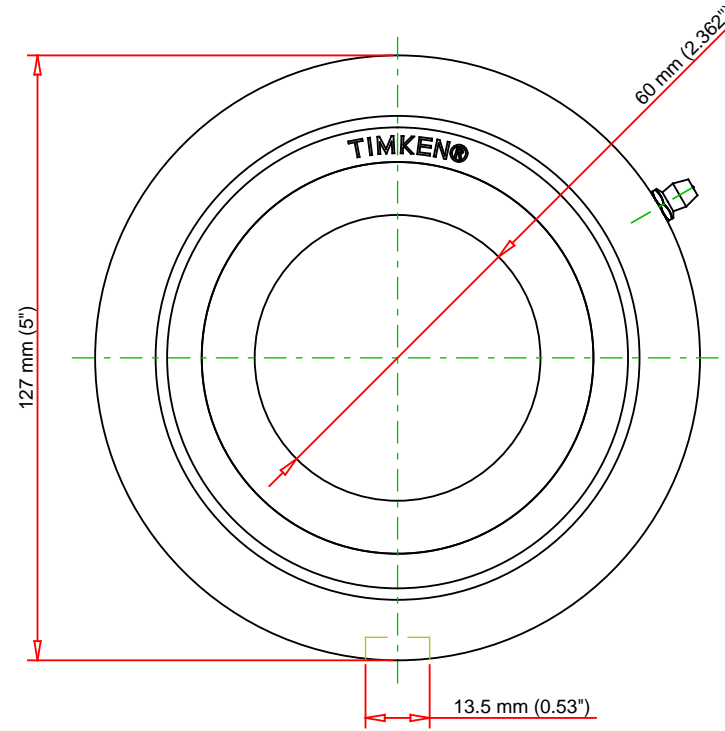
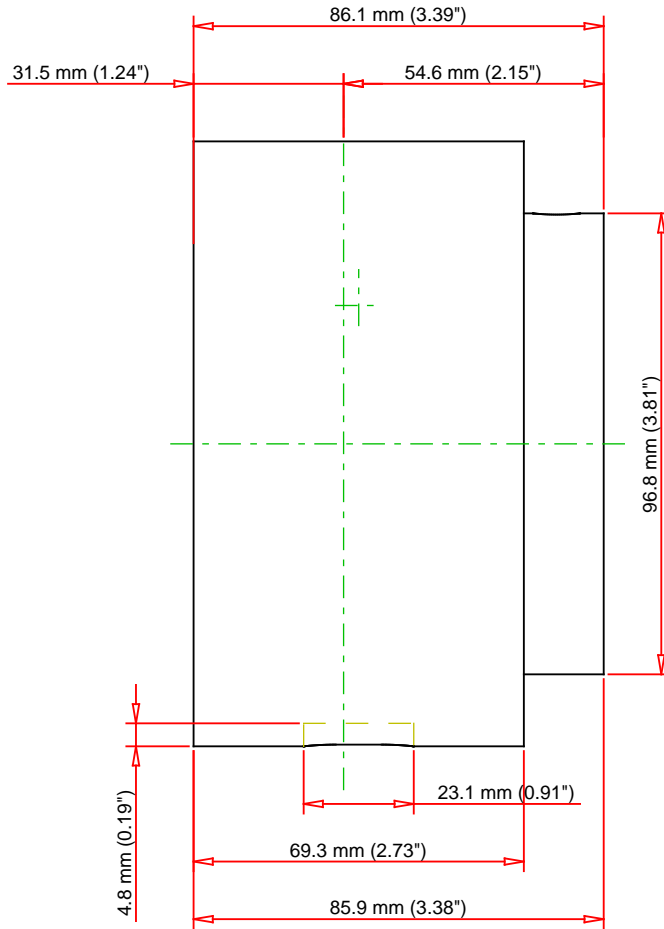
Engineering Internal Radial Clearance

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|--|--------|
| 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 | 12 | lb | 5.4 | kg |
| Max. Speed T-Seals & Grease | 2800 | rpm | | |
| Rad. Clearance - Max. | 0.0026 | | | |

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAMC13A060S
Single Concentric Cartridge Block

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