



**The Timken Company**

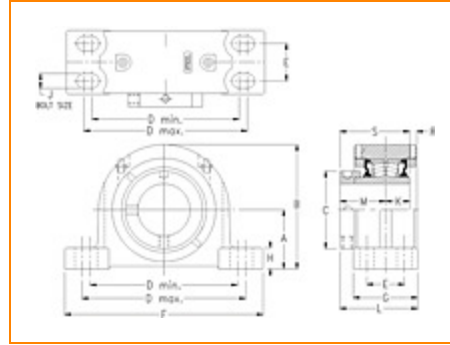
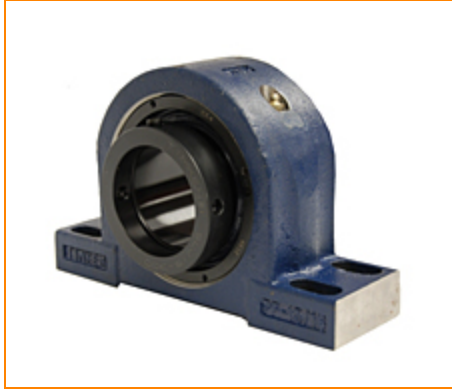
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## Part Number QMPF30J507S, Eccentric Four-Bolt Pillow Block



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### Specifications

**Engineering Group** Mounted Bearing

**Bearing Number** 23230

**Shaft Size** 5 7/16 in

**Shaft Size Type** Imperial

**Full Timken Part Number**

- QMPF30J507SB
- QMPF30J507SC
- QMPF30J507SEB
- QMPF30J507SEC
- QMPF30J507SEM
- QMPF30J507SEN
- QMPF30J507SEO
- QMPF30J507SET
- QMPF30J507SM
- QMPF30J507SN
- QMPF30J507SO
- QMPF30J507ST



|                             |  |
|-----------------------------|--|
| <b>Locking Style</b>        | Eccentric  |
| <b>Housing Construction</b> | Four-Bolt Pillow Block   |
| <b>UPC Code</b>             | 0883450085724<br>0883450085731<br>0883450085755<br>0883450085762<br>0883450085779<br>0883450085786<br>0883450085793<br>0883450085809<br>0883450155953<br>0883450156684<br>0883450250894<br>0883450251310 |

## Dimensions

|                        |                      |
|------------------------|----------------------|
| <b>Dimension A</b>     | 6.69 in<br>169.9 mm  |
| <b>Dimension B</b>     | 13 in<br>330.2 mm    |
| <b>Dimension C</b>     | 8.07 in<br>205 mm    |
| <b>Dimension D Min</b> | 17.38 in<br>441.5 mm |
| <b>Dimension D Max</b> | 19.13 in<br>485.9 mm |
| <b>Dimension E</b>     | 3-3/4 in<br>95.3 mm  |
| <b>Dimension F</b>     | 22 in<br>558.8 mm    |
| <b>Dimension G</b>     | 6.75 in<br>171.5 mm  |

|                    |                 |
|--------------------|-----------------|
| <b>Dimension H</b> | 3 in<br>76.2 mm |
|--------------------|-----------------|

|                                |               |
|--------------------------------|---------------|
| <b>Dimension J (Bolt Size)</b> | 1 in<br>24 mm |
|--------------------------------|---------------|

|                    |                    |
|--------------------|--------------------|
| <b>Dimension K</b> | 2.99 in<br>75.9 mm |
|--------------------|--------------------|

|                    |                     |
|--------------------|---------------------|
| <b>Dimension L</b> | 7.94 in<br>201.7 mm |
|--------------------|---------------------|

|                    |                     |
|--------------------|---------------------|
| <b>Dimension M</b> | 4.57 in<br>116.1 mm |
|--------------------|---------------------|

|                    |                   |
|--------------------|-------------------|
| <b>Dimension R</b> | 0.26 in<br>6.6 mm |
|--------------------|-------------------|

|                    |                   |
|--------------------|-------------------|
| <b>Dimension S</b> | 7.56 in<br>192 mm |
|--------------------|-------------------|

## Radial and Thrust Factors

|                         |                         |
|-------------------------|-------------------------|
| <b>C0 - Static Load</b> | 372000 lbf<br>1660000 N |
|-------------------------|-------------------------|

|                                 |                         |
|---------------------------------|-------------------------|
| <b>C - Dynamic Load (Basic)</b> | 286000 lbf<br>1270000 N |
|---------------------------------|-------------------------|

|                            |      |
|----------------------------|------|
| <b>e - Geometry Factor</b> | 0.32 |
|----------------------------|------|

|                             |      |
|-----------------------------|------|
| <b>Y1 - Geometry Factor</b> | 2.08 |
|-----------------------------|------|

|                             |      |
|-----------------------------|------|
| <b>Y2 - Geometry Factor</b> | 3.10 |
|-----------------------------|------|

## Engineering Seal Speed

|                                   |         |
|-----------------------------------|---------|
| <b>Oil Lubrication - M/N Seal</b> | 650 rpm |
|-----------------------------------|---------|

|                                 |         |
|---------------------------------|---------|
| <b>Oil Lubrication - T Seal</b> | 950 rpm |
|---------------------------------|---------|

|                                     |         |
|-------------------------------------|---------|
| <b>Oil Lubrication - B/C/O Seal</b> | 350 rpm |
|-------------------------------------|---------|

|                                      |         |
|--------------------------------------|---------|
| <b>Grease Lubrication - M/N Seal</b> | 600 rpm |
|--------------------------------------|---------|

|                                    |         |
|------------------------------------|---------|
| <b>Grease Lubrication - T Seal</b> | 800 rpm |
|------------------------------------|---------|

|  |         |
|--|---------|
| <b>Grease Lubrication - B/C/O Seal</b> | 350 rpm |
|--|---------|

### Engineering Bearing Attributes

|              |          |
|--------------|----------|
| <b>Float</b> | 0.083 in |
|              | 2.108 mm |

|                        |           |
|------------------------|-----------|
| <b>Shaft Tolerance</b> | 0.0050 in |
|                        | 0.127 mm  |

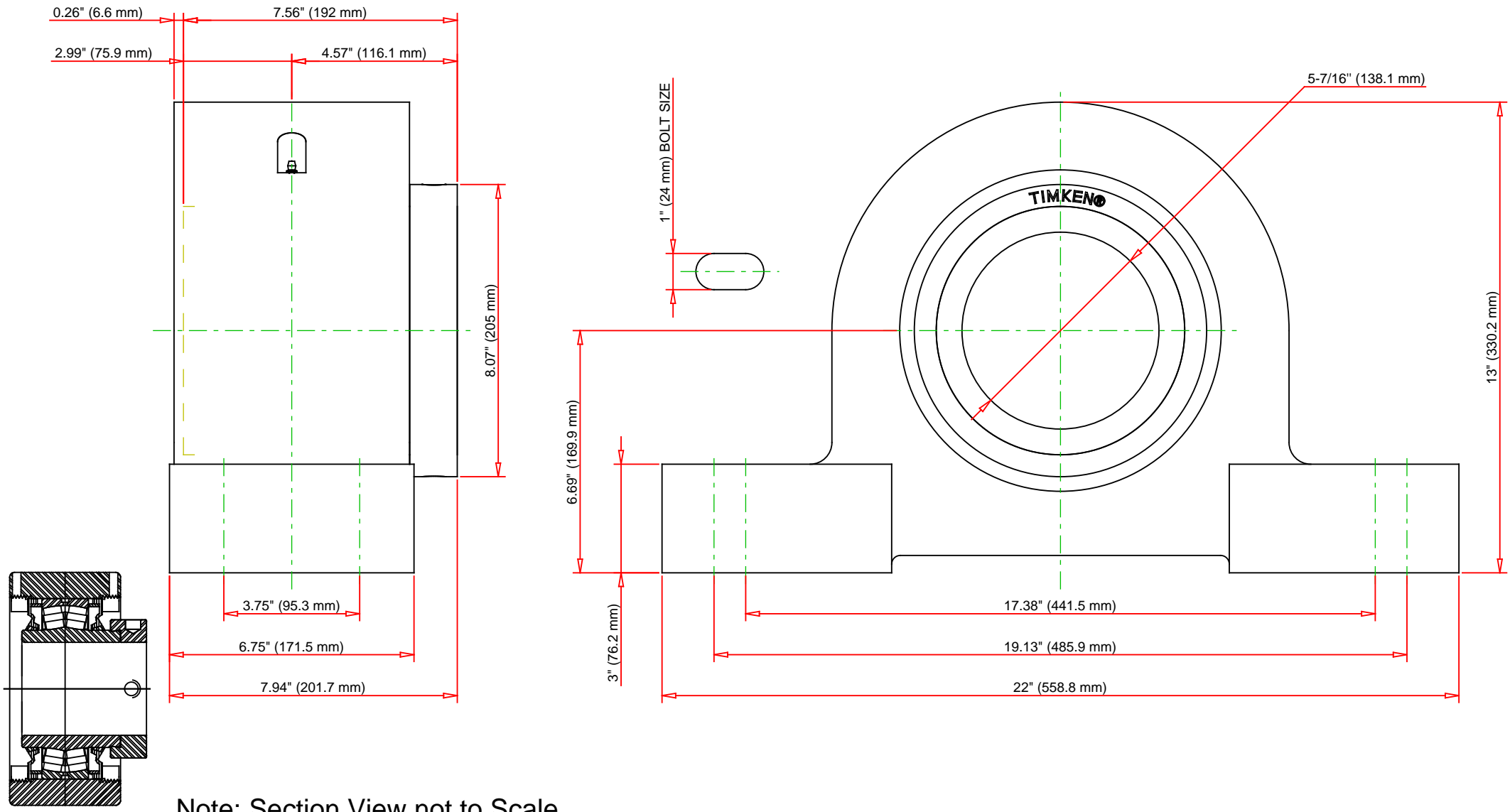
### Engineering Internal Radial Clearance

|  |        |
|--|--------|
| <b>Eng Internal Radial Clearance - Min</b> | 0.0043 |
|--|--------|

|  |        |
|--|--------|
| <b>Eng Internal Radial Clearance - Max</b> | 0.0067 |
|--|--------|

|                                  |           |
|----------------------------------|-----------|
| <b>Pre Install Clearance Min</b> | 0.0043 in |
|                                  | 0.110 mm  |

|                                  |           |
|----------------------------------|-----------|
| <b>Pre Install Clearance Max</b> | 0.0067 in |
|                                  | 0.170 mm  |



|                             |        |     |         |    |
|-----------------------------|--------|-----|---------|----|
| C - Dynamic Load            | 286000 | lbf | 1270000 | N  |
| C0 - Static Load            | 372000 | lbf | 1660000 | N  |
| Weight                      | 250    | lb  | 113.4   | kg |
| Max. Speed T-Seals & Grease | 800    | rpm |         |    |
| Rad. Clearance - Max.       | 0.0067 |     |         |    |

**TIMKEN**

THE TIMKEN COMPANY  
NORTH CANTON, OHIO USA

**QMPF30J507S**  
Eccentric Four-Bolt Pillow 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**