



**The Timken Company**

4500 Mt Pleasant St. NW

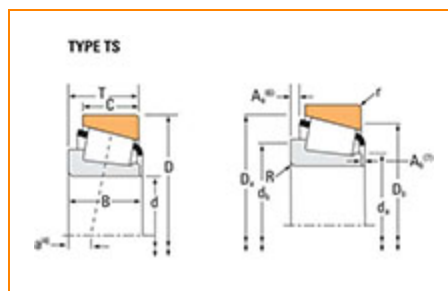
N. Canton, OH 44720

**Phone:** (234) 262-3000

**E-Mail:** [CustomerCAD@timken.com](mailto:CustomerCAD@timken.com) • **Web site:** [www.timken.com](http://www.timken.com)

## Part Number 66462, Tapered Roller Bearings - Single Cups - Imperial

This is the most basic and most widely used type of tapered roller bearing. It consists of two main separable parts: the cone (inner ring) assembly and the cup (outer ring). It is typically mounted in opposing pairs on a shaft.



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### Specifications

|                 |          |
|-----------------|----------|
| Series          | 66000    |
| Cup Part Number | 66462    |
| Design Units    | Imperial |

### Dimensions

|                        |                         |
|------------------------|-------------------------|
| D - Cup Outer Diameter | 4.6250 in<br>117.475 mm |
| C - Cup Width          | 0.9375 in<br>23.813 mm  |

### Abutment and Fillet Dimensions

|   |                      |
|---|----------------------|
| <b>r - Cup Backface "To Clear" Radius<sup>1</sup></b> | 0.130 in<br>3.3 mm   |
| <b>Da - Cup Frontface Backing Diameter</b>            | 4.41 in<br>112.00 mm |
| <b>Db - Cup Backface Backing Diameter</b>             | 3.94 in<br>100.08 mm |

## Factors

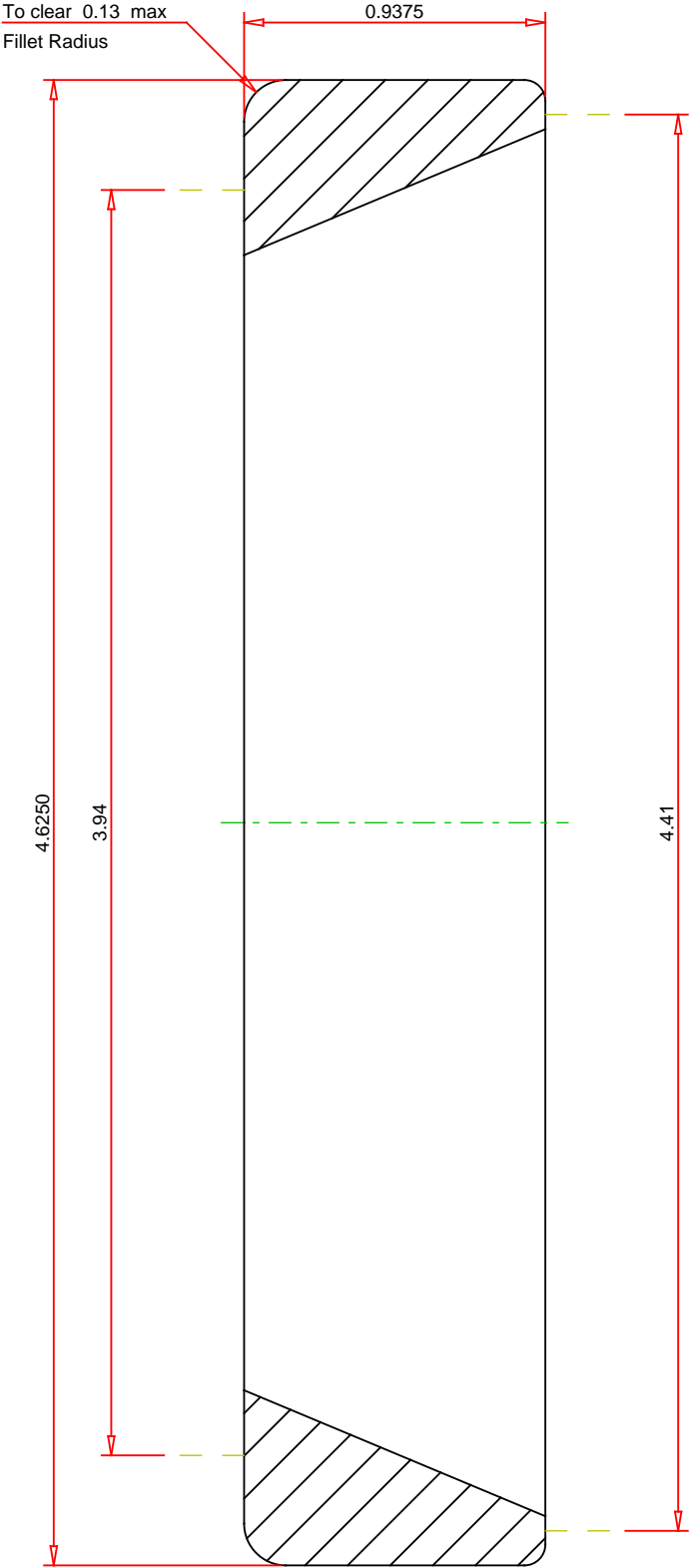
|   |        |
|---|--------|
| <b>e - ISO Factor<sup>2</sup></b>       | 0.63   |
| <b>Y - ISO Factor<sup>3</sup></b>       | 0.96   |
| <b>Cg - Geometry Factor<sup>4</sup></b> | 0.0751 |

<sup>1</sup> These maximum fillet radii will be cleared by the bearing corners.

<sup>2</sup> These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

<sup>3</sup> These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

<sup>4</sup> Geometry constant for Lubrication Life Adjustment Factor a3l.



IMPERIAL UNITS

**TIMKEN®**

**THE TIMKEN COMPANY**  
NORTH CANTON, OHIO USA

**66462**  
SINGLE TAPERED CUP