



**The Timken Company**

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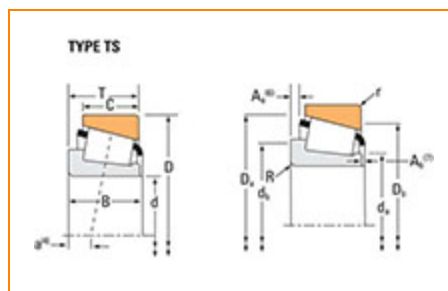
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## Timken Part Number LM603014, Tapered Roller Bearings - Single Cups - Imperial

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          | LM603000 |
| Cup Part Number | LM603014 |
| Design Units    | Imperial |

### Dimensions

|                        |                        |
|------------------------|------------------------|
| D - Cup Outer Diameter | 3.1486 in<br>79.974 mm |
| C - Cup Width          | 0.5937 in<br>15.080 mm |

### Abutment and Fillet Dimensions

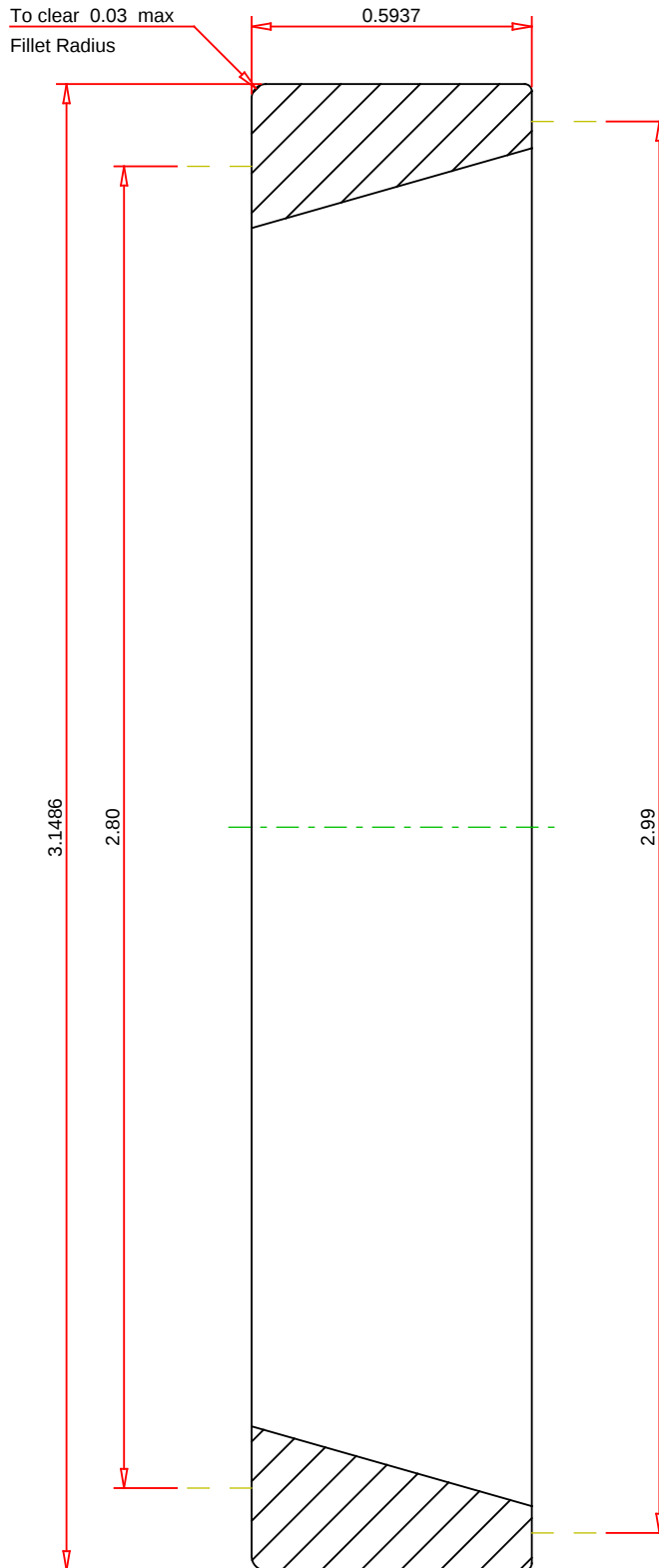
|                                                       |                     |
|-------------------------------------------------------|---------------------|
| <b>r - Cup Backface "To Clear" Radius<sup>1</sup></b> | 0.030 in<br>0.76 mm |
| <b>Da - Cup Frontface Backing Diameter</b>            | 2.99 in<br>75.90 mm |
| <b>Db - Cup Backface Backing Diameter</b>             | 2.8 in<br>71.12 mm  |

## Factors

|                                   |        |
|-----------------------------------|--------|
| <b>e - ISO Factor<sup>2</sup></b> | 0.43   |
| <b>Cg - Geometry Factor</b>       | 0.0785 |

<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.



IMPERIAL UNITS

**TIMKEN®**

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

**LM603014**  
SINGLE TAPERED CUP

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**FOR DISCUSSION ONLY**