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## Part Number 94112XD, Tapered Roller Bearings - Double Tapered Cup - Imperial

The configuration of the TDO provides a wide effective bearing spread, making it ideal for applications in which overturning moments are a significant load component. TDO bearings can be used in fixed positions or allowed to float in the housing bore.



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### Specifications

<b>Series</b>	94000
<b>Cup Part Number</b>	94112XD
<b>Design Units</b>	Imperial

### Dimensions

<b>D - Cup Outer Diameter</b>	11.3750 in 288.925 mm
<b>C - Double Cup Width</b>	4.5 in 114.3 mm



### Abutment and Fillet Dimensions

<b>r - Cup Backface "To Clear" Radius<sup>1</sup></b>	0.06 in 1.5 mm
<b>Da - Cup Frontface Backing Diameter</b>	10.75 in 272.03 mm

## Factors

<b>K - Factor<sup>2</sup></b>	1.25
<b>e - ISO Factor<sup>3</sup></b>	0.47
<b>Y1 - ISO Factor<sup>4</sup></b>	1.44
<b>Y2 - ISO Factor<sup>5</sup></b>	2.15
<b>Cg - Geometry Factor<sup>6</sup></b>	0.129

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

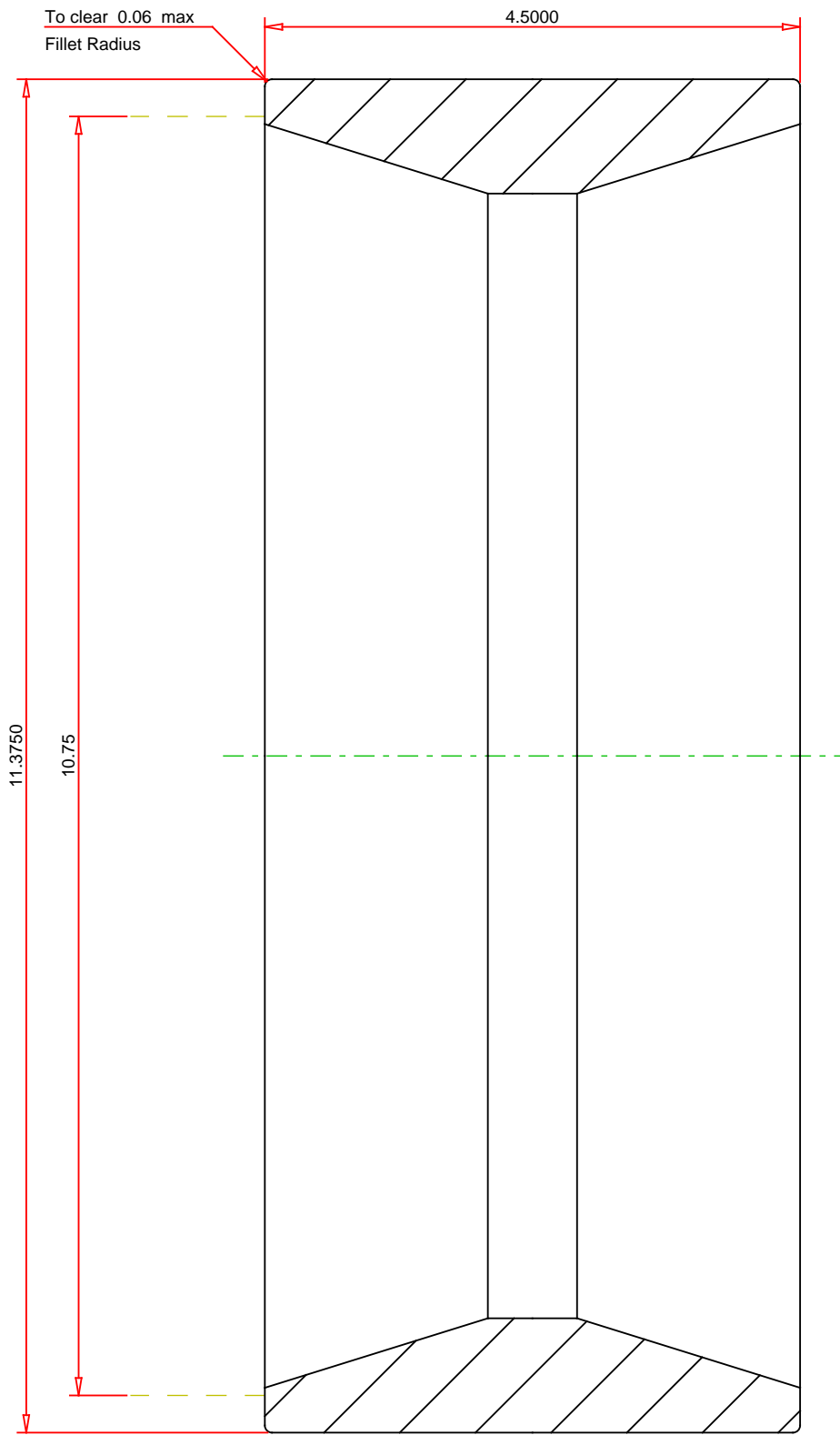
<sup>2</sup> These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

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

<sup>4</sup> These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

<sup>5</sup> These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

<sup>6</sup> Geometry constant for Lubrication Life Adjustment Factor a3l.



IMPERIAL UNITS

**TIMKEN®**

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NORTH CANTON, OHIO USA

**94112XD**  
Tapered Roller Bearings - Double Tapered Cup - Imperial

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