



**The Timken Company**

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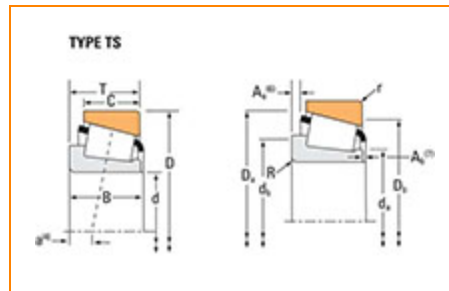
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## Part Number Y32014X, Tapered Roller Bearings - Single Cups - Metric

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	32014X
Cup Part Number	Y32014X
Design Units	METRIC

### Dimensions

D - Cup Outer Diameter	110 mm 4.3307 in
C - Cup Width	19.000 mm 0.7480 in

### Abutment and Fillet Dimensions

<b>r - Cup Backface "To Clear" Radius<sup>1</sup></b>	1.52 mm 0.06 in
<b>Da - Cup Frontface Backing Diameter</b>	105.40 mm 4.15 in
<b>Db - Cup Backface Backing Diameter</b>	100.08 mm 3.94 in

## Factors

<b>K - Factor<sup>2</sup></b>	1.34
<b>e - ISO Factor<sup>3</sup></b>	0.43
<b>Y - ISO Factor<sup>4</sup></b>	1.38
<b>G1 - Heat Generation Factor (Roller-Raceway)</b>	74.1
<b>G2 - Heat Generation Factor (Rib-Roller End)</b>	44.8
<b>Cg - Geometry Factor<sup>5</sup></b>	0.111

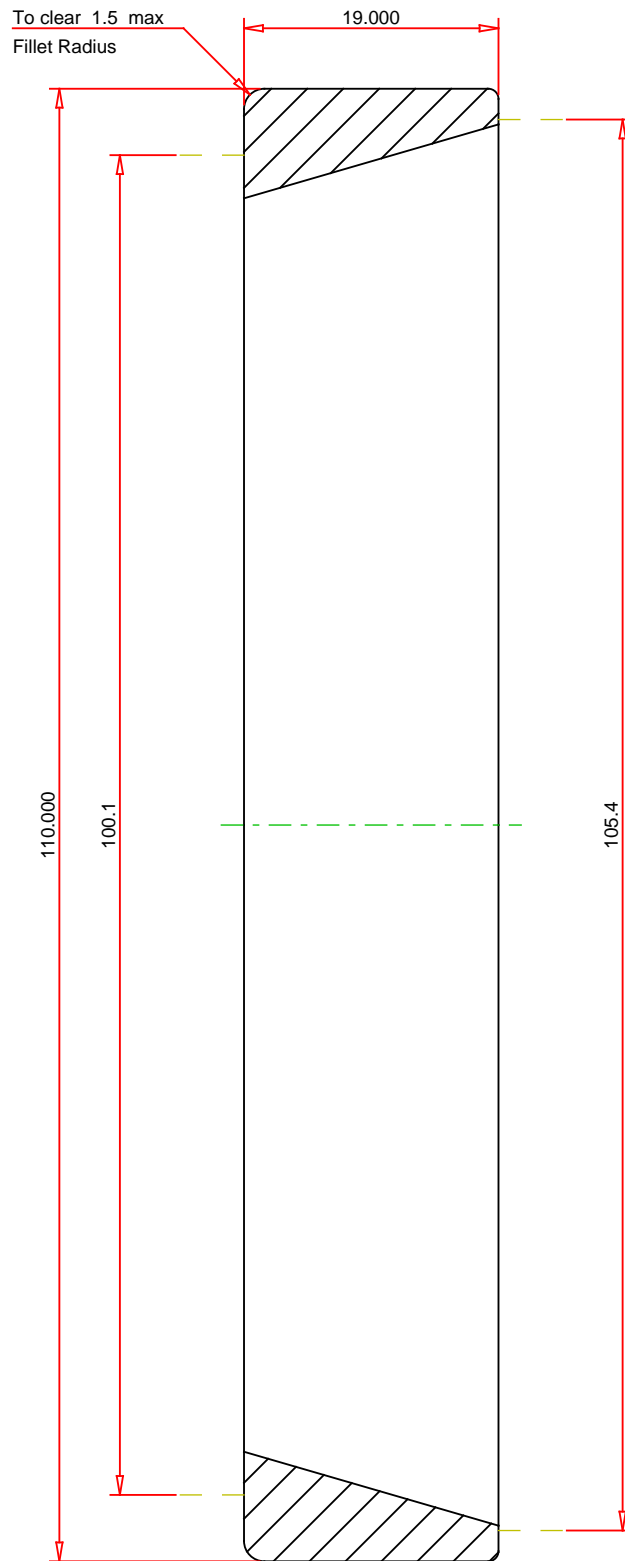
<sup>1</sup> These maximum fillet radii will be cleared by the bearing corners.

<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> Geometry constant for Lubrication Life Adjustment Factor a3l.



METRIC UNITS

**TIMKEN®**

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

**Y32014X**  
SINGLE TAPERED CUP