


The Timken Company

4500 Mt Pleasant St. NW

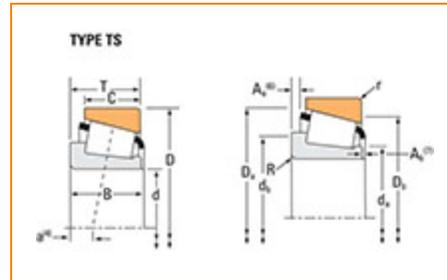
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Part Number 653, Tapered Roller Bearings - Single Cups - Imperial

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	655
Cup Part Number	653
Design Units	Imperial

Dimensions

D - Cup Outer Diameter	146.050 mm
C - Cup Width	31.75 mm

Abutment and Fillet Dimensions



r - Cup Backface "To Clear" Radius¹	3.3 mm
Da - Cup Frontface Backing Diameter	139.95 mm
Db - Cup Backface Backing Diameter	131.06 mm

Factors

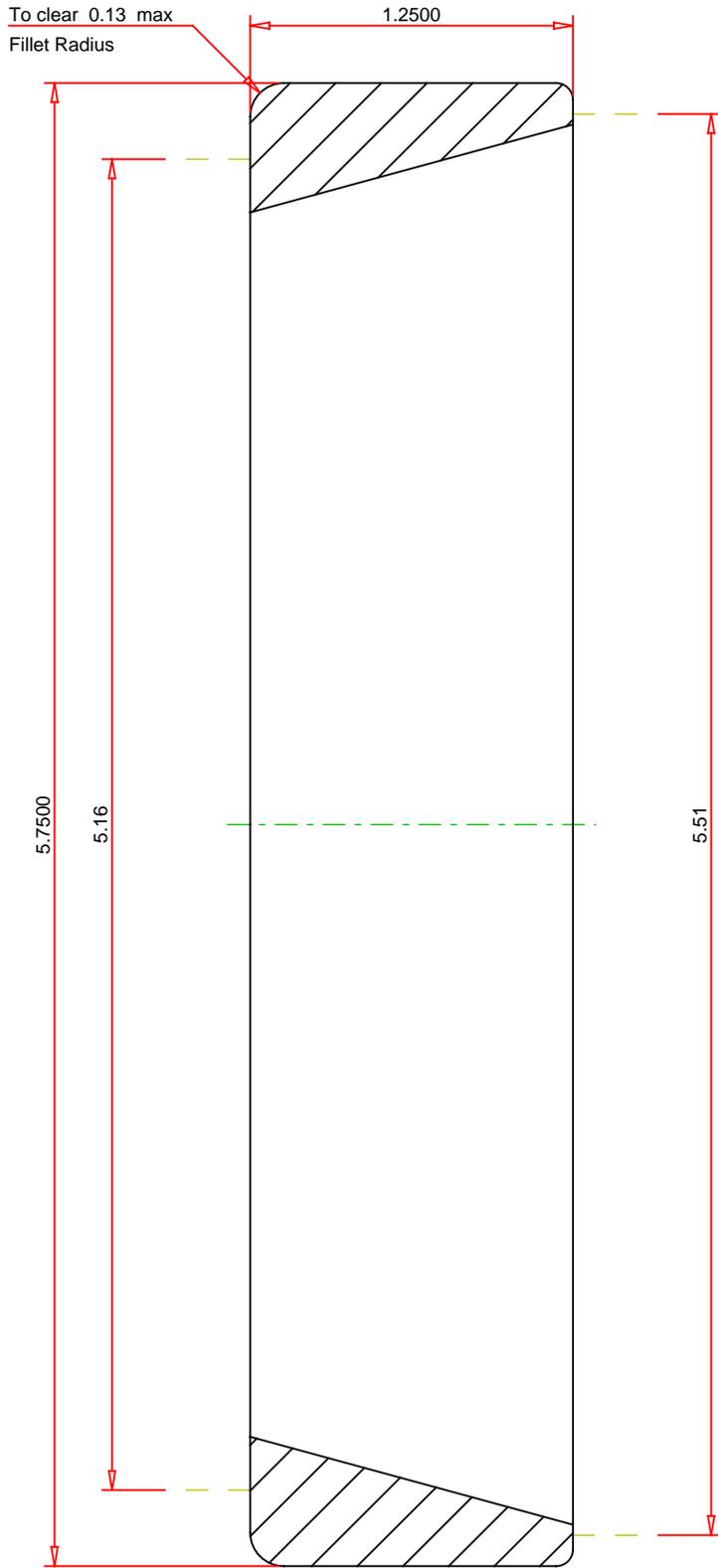
e - ISO Factor²	0.41
Y - ISO Factor³	1.47
Cg - Geometry Factor⁴	0.0919

¹ These maximum fillet radii will be cleared by the bearing corners.

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

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

⁴ Geometry constant for Lubrication Life Adjustment Factor a3l.



IMPERIAL UNITS

TIMKEN®

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NORTH CANTON, OHIO USA