



The Timken Company

4500 Mt Pleasant St. NW

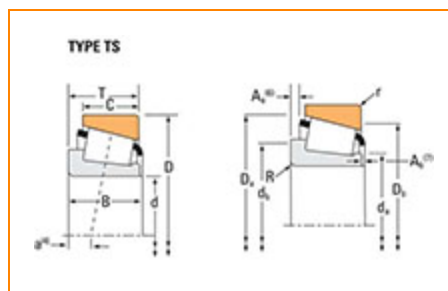
N. Canton, OH 44720

Phone: (234) 262-3000

E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number 90744, 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.



[Specifications](#) | [Dimensions](#) | [Abutment and Fillet Dimensions](#) | [Factors](#)

Specifications

Series	90000
Cup Part Number	90744
Design Units	Imperial

Dimensions

D - Cup Outer Diameter	7.4375 in 188.913 mm
C - Cup Width	1.2500 in 31.750 mm

Abutment and Fillet Dimensions

r - Cup Backface "To Clear" Radius¹	0.130 in 3.3 mm
Da - Cup Frontface Backing Diameter	7.09 in 180.09 mm
Db - Cup Backface Backing Diameter	6.34 in 161.04 mm

Factors

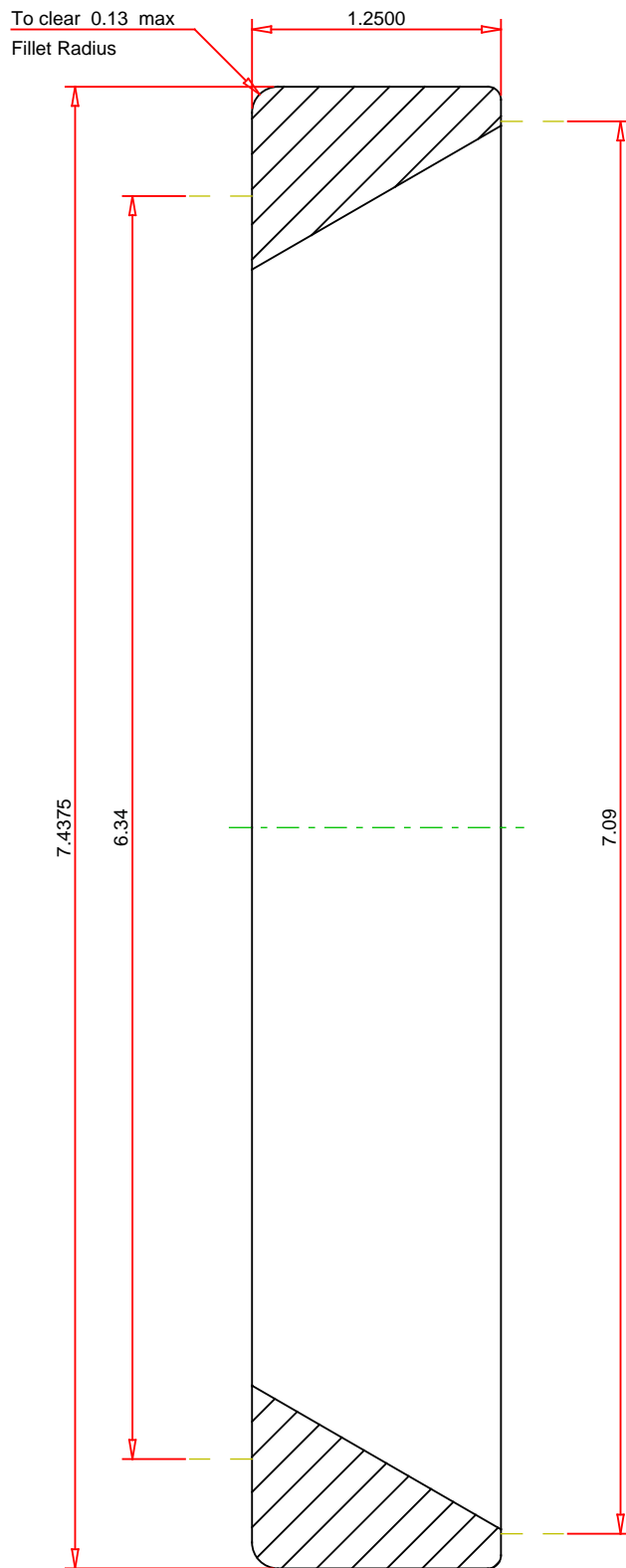
e - ISO Factor²	0.87
Y - ISO Factor³	0.69
Cg - Geometry Factor⁴	0.118

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.

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⁴ Geometry constant for Lubrication Life Adjustment Factor a3l.



IMPERIAL UNITS

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

90744
SINGLE TAPERED CUP