



The Timken Company

4500 Mt Pleasant St. NW

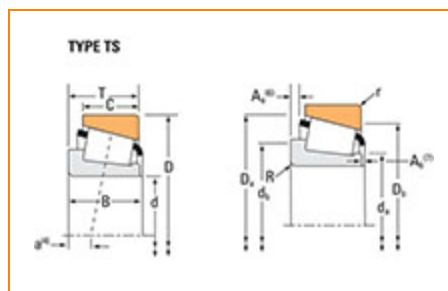
N. Canton, OH 44720

Phone: (234) 262-3000

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

Part Number JLM714110, 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	LM714100
Cup Part Number	JLM714110
Design Units	METRIC

Dimensions

D - Cup Outer Diameter	115.000 mm 4.5276 in
C - Cup Width	19.000 mm 0.7480 in

Abutment and Fillet Dimensions

r - Cup Backface "To Clear" Radius¹	2.54 mm 0.1 in
Da - Cup Frontface Backing Diameter	111.00 mm 4.37 in
Db - Cup Backface Backing Diameter	103.89 mm 4.09 in

Factors

K - Factor²	1.27
e - ISO Factor³	0.46
Y - ISO Factor⁴	1.31
G1 - Heat Generation Factor (Roller-Raceway)	76.3
G2 - Heat Generation Factor (Rib-Roller End)	33.7
Cg - Geometry Factor⁵	0.114

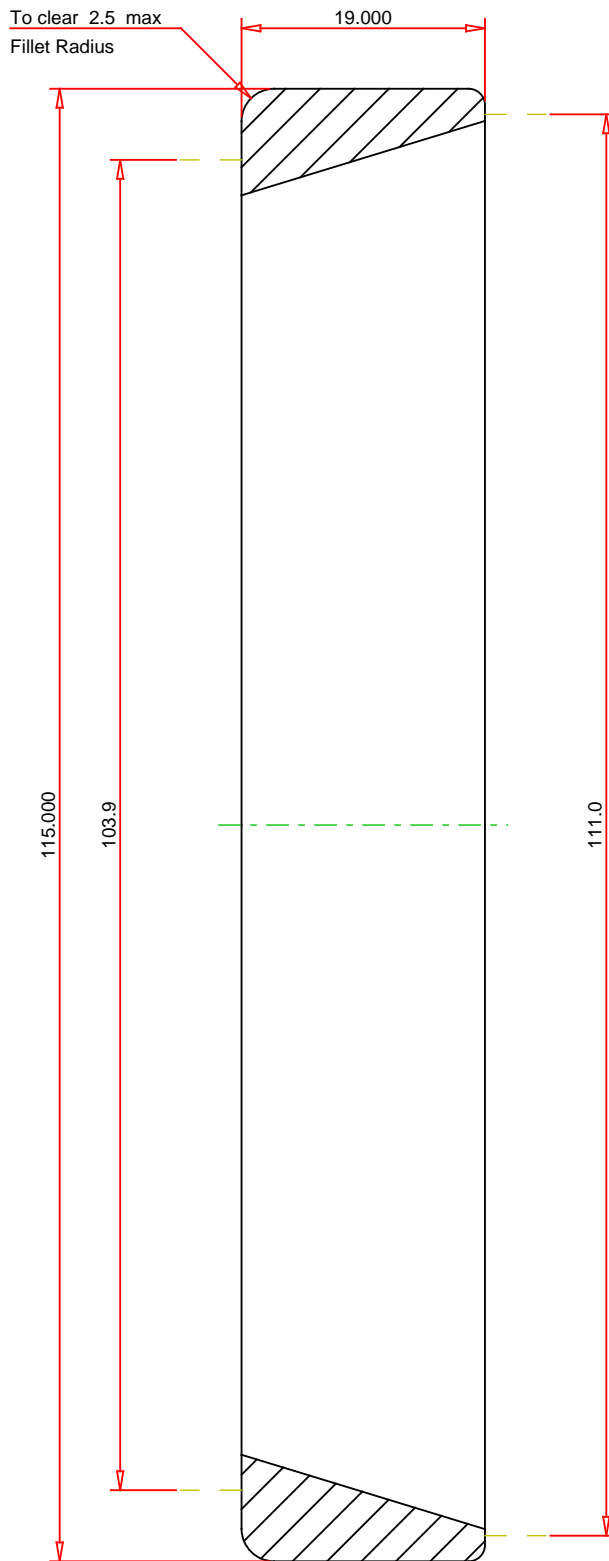
¹ These maximum fillet radii will be cleared by the bearing corners.

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

⁵ Geometry constant for Lubrication Life Adjustment Factor a3l.



METRIC UNITS

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

JLM714110
SINGLE TAPERED CUP