



The Timken Company

4500 Mt Pleasant St. NW

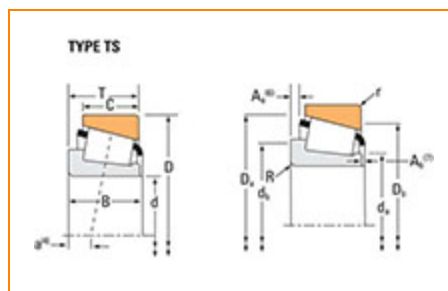
N. Canton, OH 44720

Phone: (234) 262-3000

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

Part Number JLM704610, 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	LM704600
Cup Part Number	JLM704610
Design Units	METRIC

Dimensions

D - Cup Outer Diameter	84.000 mm 3.3071 in
C - Cup Width	17.500 mm 0.6890 in

Abutment and Fillet Dimensions

r - Cup Backface "To Clear" Radius¹	1.52 mm 0.06 in
Da - Cup Frontface Backing Diameter	80.77 mm 3.18 in
Db - Cup Backface Backing Diameter	75.95 mm 2.99 in

Factors

K - Factor²	1.34
e - ISO Factor³	0.44
Y - ISO Factor⁴	1.37
G1 - Heat Generation Factor (Roller-Raceway)	35.6
G2 - Heat Generation Factor (Rib-Roller End)	16.7
Cg - Geometry Factor⁵	0.0876

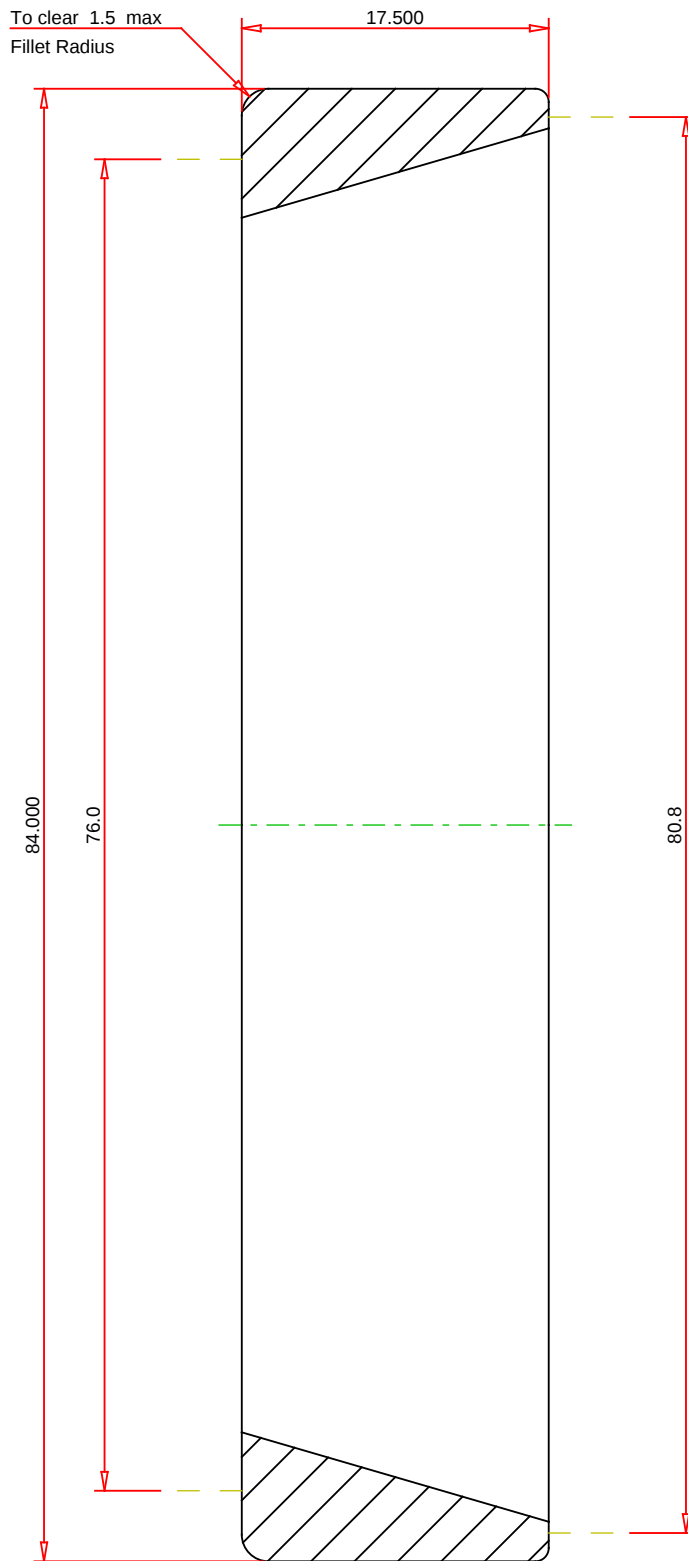
¹ These maximum fillet radii will be cleared by the bearing corners.

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

JLM704610
SINGLE TAPERED CUP