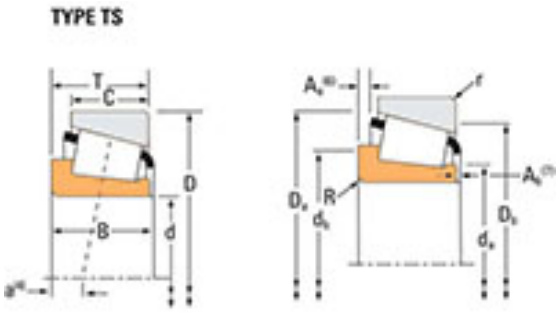
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number 43125, Tapered Roller Bearings - Single Cones - 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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Key Dimensions

UPC	0053893288604
Cone Part Number	43125
Bore (d)	1 1/4 in 31.750 mm
Inner Ring Width (B)	0.9478 in 24.074 mm
Dynamic Radial Load Rating - 1M Revs (C1) [1]	20700 lbf 92000 N
Dynamic Radial Load Rating - 90M Revs (C90) [2]	5360 lbf 23900 N
K Factor [3]	0.87

Other Dimensions

Weight	2.81 lb 1.277 Kg
Effective Center Location[4]	-0.08 in -2 mm

Max Shaft Fillet Radius[5]	0.060 in 1.5 mm
Shaft Backing Shoulder Diameter - Frontface (da)	1.63 in 41.5 mm
Shaft Backing Shoulder Diameter - Backface (db)	1.73 in 44 mm
Cage Location rel. to BF (Aa)	0.1 in 2.5 mm
Cage Location rel. to FF (Ab)	0.13 in 3.3 mm

Ratings

Dynamic Axial Rating - 90M Revs (Ca90)[6]	6130 lbf 27300 N
Static Radial Load Rating (CO)	17100 lbf 76200 N

Factors

G1 Factor	16.8
G2 Factor	7.6
Geometry Factor (Cg)[7]	0.0774

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[1] Based on 1 x 10^6 revolutions L_{10} life, for the ISO life calculation method.

[2] Based on 90 x 10^6 revolutions L_{10} life, for The Timken Company life calculation method. C_{90} and C_{a90} are radial and thrust values.

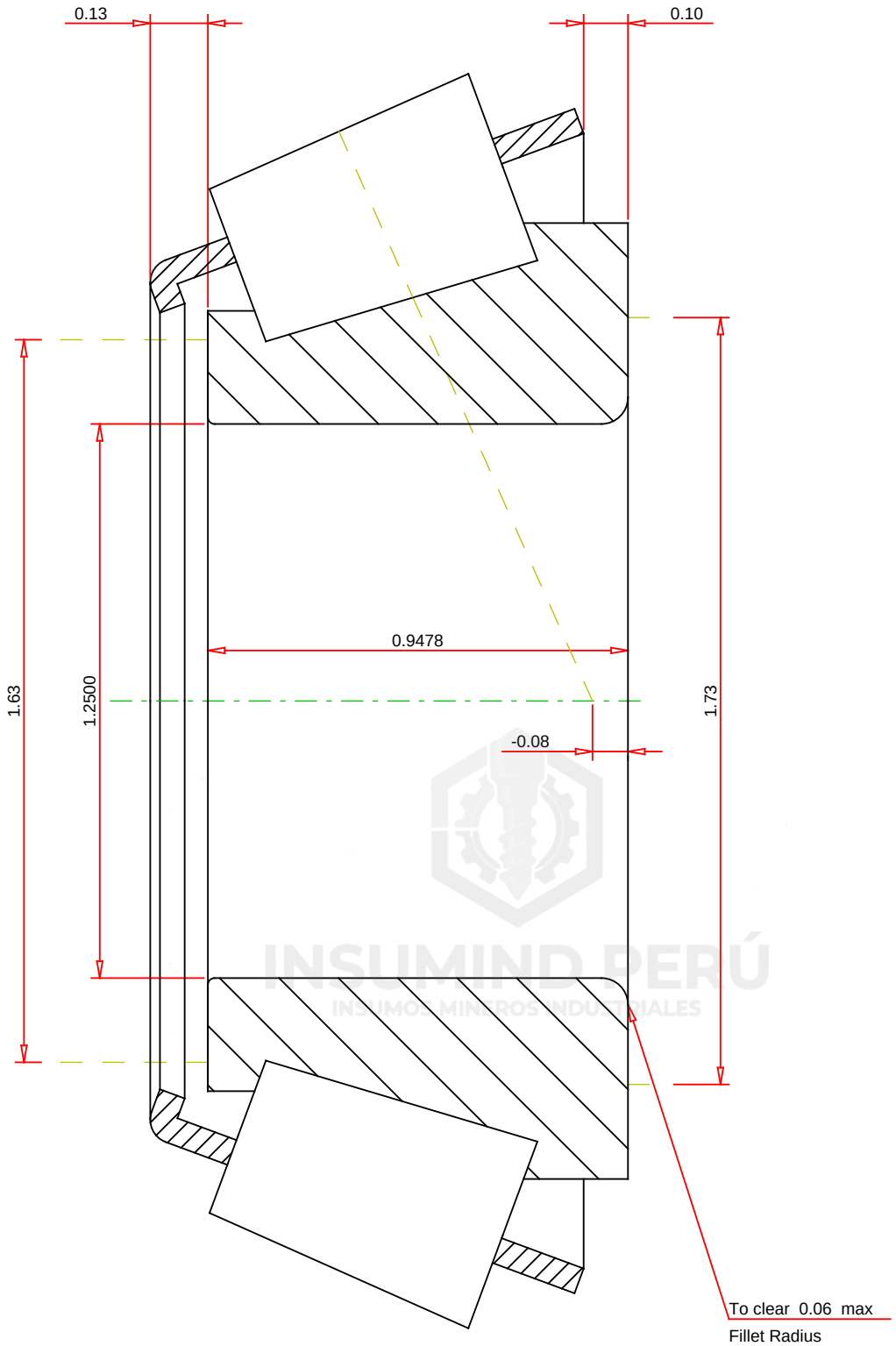
[3] These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

[4] Negative value indicates effective center inside cone backface.

[5] These maximum fillet radii will be cleared by the bearing corners.

[6] Based on 90 x 10^6 revolutions L_{10} life, for The Timken Company life calculation method. C_{90} and C_{a90} are radial and thrust values for a single-row, $C_{90(2)}$ is the two-row radial value.

[7] Geometry constant for Lubrication Life Adjustment Factor a3l.



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IMPERIAL UNITS

Number of Rollers Per Row	13

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

43125
Tapered Roller Bearings - Single Cones - Imperial

K Factor	0.87	
Dynamic Radial Rating - C90	5360	lbf
Dynamic Thrust Rating - Ca90	6130	lbf
Dynamic Radial Rating - C1	20700	lbf

Every reasonable effort has been made to ensure the accuracy of the information contained in this writing, but no liability is accepted for errors, omissions or for any other reason.

FOR DISCUSSION ONLY