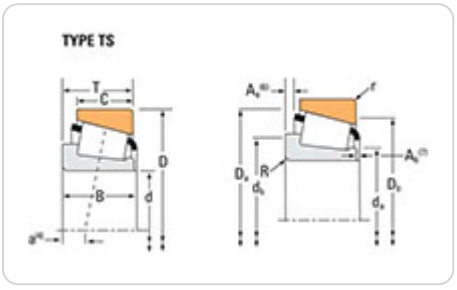
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)

Part Number 31521, 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.

Other Dimensions

Weight	0.6 Kg 1.3 lb

C - Cup Width	0.9375 in 23.813 mm
Max Housing Fillet Radius[1]	0.050 in 1.27 mm
Housing Backing Shoulder Diameter - Frontface (Da)	2.87 in 71.90 mm
Housing Backing Shoulder Diameter - Backface (Db)	2.6 in 66.04 mm

Key Dimensions

Series	31500
Cup Part Number	31521
O.D. (D)	3 in 76.2 mm
e Factor [2]	0.4
Y Factor [3]	1.49

Factors

Geometry Factor (Cg)[4]	0.0773

[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.