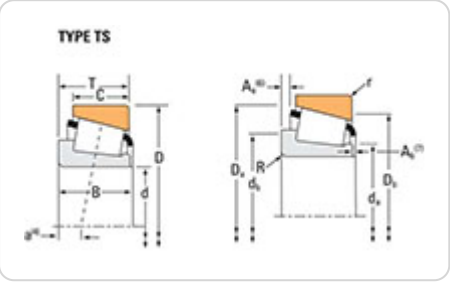
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)

Part Number 12520, 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	0.20 Kg 0.4 lb

C - Cup Width	0.625 in 15.875 mm
Max Housing Fillet Radius[1]	0.06 in 1.52 mm
Housing Backing Shoulder Diameter - Frontface (Da)	1.81 in 45.97 mm
Housing Backing Shoulder Diameter - Backface (Db)	1.67 in 42.42 mm

Key Dimensions

Series	12500
Cup Part Number	12520
O.D. (D)	1.9380 in 49.225 mm
K Factor [2]	1.81
e Factor [3]	0.32
Y Factor [4]	1.86

Factors

G1 Factor	8.6
G2 Factor	6.21
Geometry Factor (Cg)[5]	0.0495

[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.