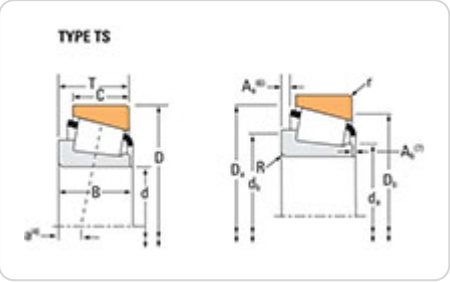
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Part Number 13318, Tapered Roller Bearings - Single Cups - Imperial





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	0.40 Kg 0.8 lb

C - Cup Width	0.5625 in 14.288 mm
Max Housing Fillet Radius[1]	0.06 in 1.52 mm
Housing Backing Shoulder Diameter - Frontface (Da)	3.03 in 76.96 mm
Housing Backing Shoulder Diameter - Backface (Db)	2.83 in 71.88 mm

Key Dimensions

Series	13000
Cup Part Number	13318
O.D. (D)	3.1875 in 80.963 mm
K Factor [2]	1.11
e Factor [3]	0.53
Y Factor [4]	1.14

Factors

G1 Factor	23
G2 Factor	15.4
Geometry Factor (Cg)[5]	0.0799

[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.