

TIMKEN

The Timken Company

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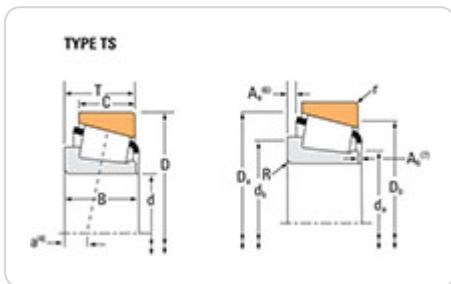
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Part Number 2820, Tapered Roller Bearings - Single Cups - Imperial



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
0.9 lb

C - Cup Width	0.6875 in 17.463 mm
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Max Housing Fillet Radius ¹	0.130 in 3.30 mm
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Housing Backing Shoulder Diameter - Frontface (Da)	2.72 in 68.10 mm
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Housing Backing Shoulder Diameter - Backface (Db)	2.48 in 62.99 mm
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Key Dimensions

Series	2800
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Cup Part Number	2820
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O.D. (D)	2.8750 in 73.025 mm
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e Factor ²	0.37
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Y Factor ³	1.63
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Factors

Geometry Factor (Cg) ⁴	0.0718
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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.

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⁴ Geometry constant for Lubrication Life Adjustment Factor a3l.