



Bearing Parts Trade Co., Ltd.

TYPE TS



TIMKEN Taper roller bearing 37431 size 109.54x158.75x23.02

Bearing No. 37431

37431 Bearing 2D drawings and 3D CAD models

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| Series | 37000 |
| Cone Part Number | 37431 |
| Design Units | Imperial |
| Cage Type | Stamped Steel |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹ | 45100 lbf |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ² | 11700 lbf |
| d | 4.3125 in |
| B - Cone Width | 0.8440 in |
| R - Cone Backface To Clear Radius ³ | 0.14 in |
| da - Cone Frontface Backing Diameter | 4.57 in |
| db - Cone Backface Backing Diameter | 4.84 in |
| Ab - Cage-Cone Frontface Clearance | 0.15 in |
| Aa - Cage-Cone Backface Clearance | 0.08 in |
| a - Effective Center Location ⁴ | 0.54 in |
| C90 - Dynamic Radial Rating (90 million revolutions) ⁵ | 6710 lbf |
| C1 - Dynamic Radial Rating (1 million revolutions) ⁶ | 25900 lbf |
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| C0 - Static Radial Rating | 40100 lbf |
| C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷ | 6960 lbf |
| K - Factor ⁸ | 0.96 |
| G1 - Heat Generation Factor (Roller-Raceway) | 123.7 |
| G2 - Heat Generation Factor (Rib-Roller End) | 57.1 |
| Cg - Geometry Factor | 0.144 |