



AMERICAN BEARING MFG.CORP.

TYPE TS



Timken 07100 Bearing

Bearing No. 07100

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|---|---------------|
| Series | 07000 |
| Cone Part Number | 07100 |
| Design Units | Imperial |
| Cage Type | Stamped Steel |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹ | 11400 lbf |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ² | 2950 lbf |
| d | 1.0000 in |
| B - Cone Width | 0.5614 in |
| R - Cone Backface To Clear Radius ³ | 0.04 in |
| da - Cone Frontface Backing Diameter | 1.16 in |
| db - Cone Backface Backing Diameter | 1.2 in |
| Ab - Cage-Cone Frontface Clearance | 0.08 in |
| Aa - Cage-Cone Backface Clearance | 0 in |
| a - Effective Center Location ⁴ | -0.11 in |
| C90 - Dynamic Radial Rating (90 million revolutions) ⁵ | 1700 lbf |
| C1 - Dynamic Radial Rating (1 million revolutions) ⁶ | 6540 lbf |
| C0 - Static Radial Rating | 6650 lbf |
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07100 Bearing 2D drawings and 3D CAD models



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|---|----------|
| C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷ | 1170 lbf |
| K - Factor ⁸ | 1.45 |
| G1 - Heat Generation Factor (Roller-Raceway) | 7.6 |
| G2 - Heat Generation Factor (Rib-Roller End) | 7.1 |
| Cg - Geometry Factor | 0.0509 |