



HFD Bearing Develop Co.,Ltd

TYPE TS



TIMKEN HM81649 HM81610 Inch Tapered Roller Bearing 19143 19283X 19268 13682

Bearing No. HM81649

HM81649 Bearing 2D drawings and 3D CAD models

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|---|---------------|
| Cone Part Number | HM81649 |
| Design Units | Imperial |
| Cage Type | Stamped Steel |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹ | 15700 lbf |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ² | 4070 lbf |
| d | 0.6294 in |
| B - Cone Width | 0.8268 in |
| R - Cone Backface To Clear Radius ³ | 0.04 in |
| da - Cone Frontface Backing Diameter | 0.9 in |
| db - Cone Backface Backing Diameter | 1.08 in |
| Ab - Cage-Cone Frontface Clearance | 0.08 in |
| Aa - Cage-Cone Backface Clearance | 0.03 in |
| a - Effective Center Location ⁴ | -0.24 in |
| C90 - Dynamic Radial Rating (90 million revolutions) ⁵ | 2340 lbf |
| C1 - Dynamic Radial Rating (1 million revolutions) ⁶ | 9020 lbf |
| C0 - Static Radial Rating | 8840 lbf |
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|---|----------|
| C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷ | 2190 lbf |
| K - Factor ⁸ | 1.07 |
| G1 - Heat Generation Factor (Roller-Raceway) | 6.1 |
| G2 - Heat Generation Factor (Rib-Roller End) | 4.57 |
| Cg - Geometry Factor | 0.0526 |