



TYPE TS



Timken Im11949 Bearing

Bearing No. Im11949

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|---|---------------|
| Cone Part Number | LM11949 |
| Design Units | Imperial |
| Cage Type | Stamped Steel |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹ | 15300 lbf |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ² | 3970 lbf |
| d | 0.7500 in |
| B - Cone Width | 0.6550 in |
| R - Cone Backface To Clear Radius ³ | 0.050 in |
| da - Cone Frontface Backing Diameter | 0.93 in |
| db - Cone Backface Backing Diameter | 0.98 in |
| Ab - Cage-Cone Frontface Clearance | 0.05 in |
| Aa - Cage-Cone Backface Clearance | -0.01 in |
| a - Effective Center Location ⁴ | -0.22 in |
| C90 - Dynamic Radial Rating (90 million revolutions) ⁵ | 2280 lbf |
| C1 - Dynamic Radial Rating (1 million revolutions) ⁶ | 8800 lbf |
| C0 - Static Radial Rating | 7200 lbf |
| C _{a90} - Dynamic Thrust | 1170 lbf |

Im11949 Bearing 2D drawings and 3D CAD models



Shanghai Ruonan-Power Co., Ltd.

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| Rating (90 million revolutions) ⁷ | |
| K - Factor ⁸ | 1.94 |
| G1 - Heat Generation Factor (Roller-Raceway) | 6.6 |
| G2 - Heat Generation Factor (Rib-Roller End) | 5.49 |
| Cg - Geometry Factor | 0.0441 |