



TYPE TS



Timken M272749 M272710D Tapered roller bearing

Bearing No. M272749

M272749 Bearing 2D drawings and 3D CAD models

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|-------------------------------------------------------------------------------|-------------|
| Series | M272700 |
| Cone Part Number | M272749 |
| Design Units | Imperial |
| Cage Type | Pin-Type |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹ | 1460000 lbf |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ² | 379000 lbf |
| d | 18.8750 in |
| B - Cone Width | 5.0625 in |
| R - Cone Backface To Clear Radius ³ | 0.25 in |
| da - Cone Frontface Backing Diameter | 19.96 in |
| db - Cone Backface Backing Diameter | 20.31 in |
| Ab - Cage-Cone Frontface Clearance | 0.41 in |
| Aa - Cage-Cone Backface Clearance | 0.31 in |
| a - Effective Center Location ⁴ | -0.35 in |
| C90 - Dynamic Radial Rating (90 million revolutions) ⁵ | 218000 lbf |
| C1 - Dynamic Radial Rating (1 million revolutions) ⁶ | 839000 lbf |
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|--------------------------------------------------------------------------------|-------------|
| C0 - Static Radial Rating | 1660000 lbf |
| C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷ | 124000 lbf |
| K - Factor ⁸ | 1.76 |
| G1 - Heat Generation Factor (Roller-Raceway) | 8110 |
| G2 - Heat Generation Factor (Rib-Roller End) | 508 |
| Cg - Geometry Factor | 0.26 |