



NTN BEARING CORP.OF America LTD.

TYPE TS



Timken 529 Bearing

Bearing No. 529

| | |
|---|---------------|
| Series | 525 |
| Cone Part Number | 529 |
| Design Units | Imperial |
| Cage Type | Stamped Steel |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹ | 64400 lbf |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ² | 16700 lbf |
| d | 2 in |
| B - Cone Width | 1.4200 in |
| R - Cone Backface To Clear Radius ³ | 0.03 in |
| da - Cone Frontface Backing Diameter | 2.36 in |
| db - Cone Backface Backing Diameter | 2.4 in |
| Ab - Cage-Cone Frontface Clearance | 0.1 in |
| Aa - Cage-Cone Backface Clearance | 0.09 in |
| a - Effective Center Location ⁴ | -0.5 in |
| C90 - Dynamic Radial Rating (90 million revolutions) ⁵ | 9600 lbf |
| C1 - Dynamic Radial Rating (1 million revolutions) ⁶ | 37000 lbf |
| C0 - Static Radial Rating | 43000 lbf |

529 Bearing 2D drawings and 3D CAD models



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|---|----------|
| C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷ | 4690 lbf |
| K - Factor ⁸ | 2.05 |
| C_g - Geometry Factor | 0.0894 |