



# LLC NTN-SNR BEARINGS RUS

## TYPE TS



## HM265049 Tapered Roller Bearings

Bearing No. HM265049

HM265049 Bearing 2D drawings and 3D CAD models

|   |            |
|---|------------|
| Series  | HM265000   |
| Cone Part Number  | HM265049   |
| Design Units  | Imperial   |
| Cage Type   | Pin-Type   |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>      | 890000 lbf |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup> | 231000 lbf |
| d   | 14.4980 in |
| B - Cone Width  | 4.0000 in  |
| R - Cone Backface To Clear Radius <sup>3</sup>                                | 0.25 in    |
| da - Cone Frontface Backing Diameter  | 15.51 in   |
| db - Cone Backface Backing Diameter   | 15.75 in   |
| Ab - Cage-Cone Frontface Clearance  | 0.27 in    |
| Aa - Cage-Cone Backface Clearance   | 0.3 in     |
| a - Effective Center Location <sup>4</sup>                                    | -0.33 in   |
| C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>             | 132000 lbf |
| C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>               | 511000 lbf |
| C0 - Static Radial Rating   | 977000 lbf |
|   |            |



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|   |           |
|---|-----------|
| $C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup> | 75400 lbf |
| K - Factor <sup>8</sup>   | 1.76      |
| G1 - Heat Generation Factor (Roller-Raceway)                            | 4297.3    |
| G2 - Heat Generation Factor (Rib-Roller End)                            | 412.9     |
| Cg - Geometry Factor  | 0.211     |