



# NTN BEARINGS INDUSTRY

## TYPE TS



## Timken hm89443 Bearing

Bearing No. hm89443

hm89443 Bearing 2D drawings and 3D CAD models

|   |               |
|---|---------------|
| Series  | HM89400       |
| Cone Part Number  | HM89443       |
| Design Units  | Imperial      |
| Cage Type   | Stamped Steel |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>      | 43200 lbf     |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup> | 11200 lbf     |
| d   | 1.3125 in     |
| B - Cone Width  | 1.1250 in     |
| R - Cone Backface To Clear Radius <sup>3</sup>                                | 0.03 in       |
| da - Cone Frontface Backing Diameter  | 1.75 in       |
| db - Cone Backface Backing Diameter   | 1.83 in       |
| Ab - Cage-Cone Frontface Clearance  | 0.08 in       |
| Aa - Cage-Cone Backface Clearance   | 0.06 in       |
| a - Effective Center Location <sup>4</sup>                                    | -0.22 in      |
| C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>             | 6440 lbf      |
| C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>               | 24800 lbf     |
| C0 - Static Radial Rating   | 26700 lbf     |



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|   |          |
|---|----------|
| $C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup> | 6020 lbf |
| K - Factor <sup>8</sup>   | 1.07     |
| G1 - Heat Generation Factor (Roller-Raceway)                            | 28.9     |
| G2 - Heat Generation Factor (Rib-Roller End)                            | 13.1     |
| Cg - Geometry Factor  | 0.0883   |