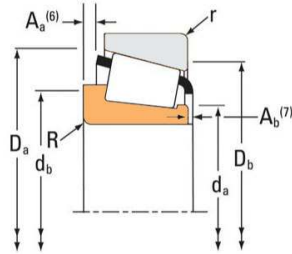




# Shanghai Shengjie Bearing Co., Ltd.

## TYPE TS



## Timken HM256849 HM256810D Tapered roller bearing

Bearing No. HM256849

HM256849 Bearing 2D drawings and 3D CAD models

|   |            |
|---|------------|
| Series  | HM256800   |
| Cone Part Number  | HM256849   |
| Design Units  | Imperial   |
| Cage Type   | Pin-Type   |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>      | 508000 lbf |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup> | 132000 lbf |
| d   | 11.8125 in |
| B - Cone Width  | 3.2500 in  |
| R - Cone Backface To Clear Radius <sup>3</sup>                                | 0.25 in    |
| da - Cone Frontface Backing Diameter  | 12.56 in   |
| db - Cone Backface Backing Diameter   | 12.91 in   |
| Ab - Cage-Cone Frontface Clearance  | 0.2 in     |
| Aa - Cage-Cone Backface Clearance   | 0.22 in    |
| a - Effective Center Location <sup>4</sup>                                    | -0.22 in   |
| C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>             | 75600 lbf  |
| C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>               | 292000 lbf |
|   |            |



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|  |            |
|--|------------|
| C0 - Static Radial Rating  | 622000 lbf |
| C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup> | 43600 lbf  |
| K - Factor <sup>8</sup>  | 1.73       |
| G1 - Heat Generation Factor (Roller-Raceway)                                   | 2550       |
| G2 - Heat Generation Factor (Rib-Roller End)                                   | 282        |
| Cg - Geometry Factor   | 0.178      |