



# Toyana BEARING-SINGAPORE (PTE)LTD.

## TYPE TS



## M268749 Thrust Ball Bearings

Bearing No. M268749

M268749 Bearing 2D drawings and 3D CAD models

|   |             |
|---|-------------|
| Series  | M268700     |
| Cone Part Number  | M268749     |
| Design Units  | Imperial    |
| Cage Type   | Pin-Type    |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>      | 1120000 lbf |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup> | 290000 lbf  |
| d   | 16.3750 in  |
| B - Cone Width  | 4.5000 in   |
| R - Cone Backface To Clear Radius <sup>3</sup>                                | 0.25 in     |
| da - Cone Frontface Backing Diameter  | 17.36 in    |
| db - Cone Backface Backing Diameter   | 17.76 in    |
| Ab - Cage-Cone Frontface Clearance  | 0.33 in     |
| Aa - Cage-Cone Backface Clearance   | 0.34 in     |
| a - Effective Center Location <sup>4</sup>                                    | -0.37 in    |
| C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>             | 166000 lbf  |
| C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>               | 642000 lbf  |
| C0 - Static Radial Rating   | 1250000 lbf |
|   |             |



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|   |           |
|---|-----------|
| $C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup> | 94800 lbf |
| K - Factor <sup>8</sup>   | 1.76      |
| G1 - Heat Generation Factor (Roller-Raceway)                            | 5750      |
| G2 - Heat Generation Factor (Rib-Roller End)                            | 421       |
| Cg - Geometry Factor  | 0.232     |