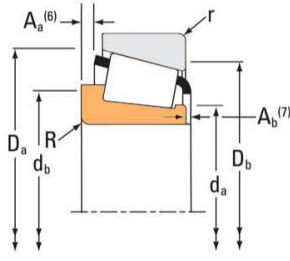




BEARINGS OF AMERICA CORP.

TYPE TS



HM266449 Spherical Roller Bearings

Bearing No. HM266449

HM266449 Bearing 2D drawings and 3D CAD models

| | |
|---|-------------|
| Series | HM266400 |
| Cone Part Number | HM266449 |
| Design Units | Imperial |
| Cage Type | Pin-Type |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹ | 963000 lbf |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ² | 250000 lbf |
| d | 15.1250 in |
| B - Cone Width | 4.1250 in |
| R - Cone Backface To Clear Radius ³ | 0.25 in |
| da - Cone Frontface Backing Diameter | 16.02 in |
| db - Cone Backface Backing Diameter | 16.42 in |
| Ab - Cage-Cone Frontface Clearance | 0.26 in |
| Aa - Cage-Cone Backface Clearance | 0.27 in |
| a - Effective Center Location ⁴ | -0.28 in |
| C90 - Dynamic Radial Rating (90 million revolutions) ⁵ | 143000 lbf |
| C1 - Dynamic Radial Rating (1 million revolutions) ⁶ | 553000 lbf |
| C0 - Static Radial Rating | 1060000 lbf |
| | |



BEARINGS OF AMERICA CORP.

| | |
|--|-----------|
| C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷ | 81700 lbf |
| K - Factor ⁸ | 1.76 |
| G1 - Heat Generation Factor (Roller-Raceway) | 4760.1 |
| G2 - Heat Generation Factor (Rib-Roller End) | 301.5 |
| C _g - Geometry Factor | 0.218 |