

## TYPE TS



## HM266449 Spherical Roller Bearings

Bearing No. HM266449

Series	HM266400
Cone Part Number	HM266449
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	963000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	250000 lbf
d	15.1250 in
B - Cone Width	4.1250 in
R - Cone Backface To Clear Radius <sup>3</sup>	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 <sup>4</sup>	-0.28 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	143000 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	553000 lbf
C0 - Static Radial Rating	1060000 lbf

HM266449 Bearing 2D drawings and 3D CAD models



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$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	81700 lbf
K - Factor <sup>8</sup>	1.76
G1 - Heat Generation Factor (Roller-Raceway)	4760.1
G2 - Heat Generation Factor (Rib-Roller End)	301.5
Cg - Geometry Factor	0.218