



# NTA BEARING PRECISION AXLE CORP.

## TYPE TS



## timken hm89449 Cylindrical Roller Bearings

Bearing No. hm89449

hm89449 Bearing 2D drawings and 3D CAD models

Series	HM89400
Cone Part Number	HM89449
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	1.4375 in
B - Cone Width	1.1250 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	1.75 in
db - Cone Backface Backing Diameter	2.24 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