



# BEARING CORP.OF AMERICA

## TYPE TS



## Timken HH949549 HH949510D Tapered roller bearing

Bearing No. HH949549

HH949549 Bearing 2D drawings and 3D CAD models

Series	HH949500
Cone Part Number	HH949549
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	879000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	228000 lbf
d	9.0000 in
B - Cone Width	4.3750 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.25 in
da - Cone Frontface Backing Diameter	11.02 in
db - Cone Backface Backing Diameter	11.69 in
Ab - Cage-Cone Frontface Clearance	0.58 in
Aa - Cage-Cone Backface Clearance	0.9 in
a - Effective Center Location <sup>4</sup>	1.57 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	131000 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	505000 lbf



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C0 - Static Radial Rating	564000 lbf
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	210000 lbf
K - Factor <sup>8</sup>	0.62
G1 - Heat Generation Factor (Roller-Raceway)	1300
G2 - Heat Generation Factor (Rib-Roller End)	91.5
Cg - Geometry Factor	0.193