



BEARING CORP.OF AMERICA

TYPE TS



Timken HH249949 HH249910CD Tapered roller bearing

Bearing No. HH249949

HH249949 Bearing 2D drawings and 3D CAD models

Series	HH249900
Cone Part Number	HH249949
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	814000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	211000 lbf
d	9.7500 in
B - Cone Width	4.6250 in
R - Cone Backface To Clear Radius ³	0.25 in
da - Cone Frontface Backing Diameter	10.83 in
db - Cone Backface Backing Diameter	11.18 in
Ab - Cage-Cone Frontface Clearance	0.24 in
Aa - Cage-Cone Backface Clearance	0.28 in
a - Effective Center Location ⁴	-1.13 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	121000 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	468000 lbf



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C0 - Static Radial Rating	846000 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	69000 lbf
K - Factor ⁸	1.76
G1 - Heat Generation Factor (Roller-Raceway)	2370
G2 - Heat Generation Factor (Rib-Roller End)	173
Cg - Geometry Factor	0.175