



NTN BEARING CORP.OF America LTD.

TYPE TS



Timken hm89448 Bearing

Bearing No. hm89448

hm89448 Bearing 2D drawings and 3D CAD models

Series	HM89400
Cone Part Number	HM89448
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	43200 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	11200 lbf
d	1.4375 in
B - Cone Width	1.1250 in
R - Cone Backface To Clear Radius ³	0.03 in
da - Cone Frontface Backing Diameter	1.75 in
db - Cone Backface Backing Diameter	1.91 in
Ab - Cage-Cone Frontface Clearance	0.08 in
Aa - Cage-Cone Backface Clearance	0.06 in
a - Effective Center Location ⁴	-0.22 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	6440 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	24800 lbf
C0 - Static Radial Rating	26700 lbf



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C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	6020 lbf
K - Factor ⁸	1.07
G1 - Heat Generation Factor (Roller-Raceway)	28.9
G2 - Heat Generation Factor (Rib-Roller End)	13.1
C _g - Geometry Factor	0.0883