



NACHI BEARINGS OF AMERICA CORP.

TYPE TS



TIMKEN HM81649 HM81610 Inch Tapered Roller Bearing 19143 19283X 19268 13682

Bearing No. HM81649

HM81649 Bearing 2D drawings and 3D CAD models

Cone Part Number	HM81649
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	15700 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	4070 lbf
d	0.6294 in
B - Cone Width	0.8268 in
R - Cone Backface To Clear Radius ³	0.04 in
da - Cone Frontface Backing Diameter	0.9 in
db - Cone Backface Backing Diameter	1.08 in
Ab - Cage-Cone Frontface Clearance	0.08 in
Aa - Cage-Cone Backface Clearance	0.03 in
a - Effective Center Location ⁴	-0.24 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	2340 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	9020 lbf
C0 - Static Radial Rating	8840 lbf



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	2190 lbf
K - Factor ⁸	1.07
G1 - Heat Generation Factor (Roller-Raceway)	6.1
G2 - Heat Generation Factor (Rib-Roller End)	4.57
Cg - Geometry Factor	0.0526