



BEARING CORP.OF AMERICA

TYPE TS



Timken LM451349 LM451310CD Tapered roller bearing

Bearing No. LM451349

LM451349 Bearing 2D drawings and 3D CAD models

Series	LM451300
Cone Part Number	LM451349
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	291000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	75400 lbf
d	10.5 in
B - Cone Width	2.2500 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	11.06 in
db - Cone Backface Backing Diameter	11.22 in
Ab - Cage-Cone Frontface Clearance	0.18 in
Aa - Cage-Cone Backface Clearance	0.19 in
a - Effective Center Location ⁴	0.2 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	43300 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	167000 lbf



BEARING CORP.OF AMERICA

C0 - Static Radial Rating	339000 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	26700 lbf
K - Factor ⁸	1.62
G1 - Heat Generation Factor (Roller-Raceway)	1554.1
G2 - Heat Generation Factor (Rib-Roller End)	212.2
Cg - Geometry Factor	0.154