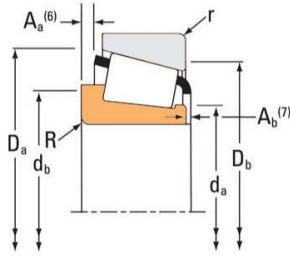




BEARING CORP.OF AMERICA

TYPE TS



Timken LM769349X LM769310D Tapered roller bearing

Bearing No. LM769349X

LM769349X Bearing 2D drawings and 3D CAD models

Series	LM769300
Cone Part Number	LM769349X
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	747000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	194000 lbf
d	17.0000 in
B - Cone Width	3.5313 in
R - Cone Backface To Clear Radius ³	0.310 in
da - Cone Frontface Backing Diameter	17.83 in
db - Cone Backface Backing Diameter	18.35 in
Ab - Cage-Cone Frontface Clearance	0.23 in
Aa - Cage-Cone Backface Clearance	0.31 in
a - Effective Center Location ⁴	0.87 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	111000 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	429000 lbf



BEARING CORP.OF AMERICA

C0 - Static Radial Rating	929000 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	83500 lbf
K - Factor ⁸	1.33
G1 - Heat Generation Factor (Roller-Raceway)	5114.6
G2 - Heat Generation Factor (Rib-Roller End)	614.2
Cg - Geometry Factor	0.243