



BEARING CORP.OF AMERICA

TYPE TS



Timken M274149 M274110CD Tapered roller bearing

Bearing No. M274149

M274149 Bearing 2D drawings and 3D CAD models

Series	M274100
Cone Part Number	M274149
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	1380000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	358000 lbf
d	19.7500 in
B - Cone Width	5.3750 in
R - Cone Backface To Clear Radius ³	0.25 in
da - Cone Frontface Backing Diameter	21.02 in
db - Cone Backface Backing Diameter	21.26 in
Ab - Cage-Cone Frontface Clearance	0.4 in
Aa - Cage-Cone Backface Clearance	0.41 in
a - Effective Center Location ⁴	-0.42 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	206000 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	794000 lbf



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C0 - Static Radial Rating	1820000 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	117000 lbf
K - Factor ⁸	1.76
G1 - Heat Generation Factor (Roller-Raceway)	9019.6
G2 - Heat Generation Factor (Rib-Roller End)	560.7
Cg - Geometry Factor	0.269