



BEARING CORP.OF AMERICA

TYPE TS



Timken HM231149 HM231111CD Tapered roller bearing

Bearing No. HM231149

HM231149 Bearing 2D drawings and 3D CAD models

Series	HM231100
Cone Part Number	HM231149
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	234000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	60600 lbf
d	5.8750 in
B - Cone Width	2.2300 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	6.42 in
db - Cone Backface Backing Diameter	6.57 in
Ab - Cage-Cone Frontface Clearance	0.19 in
Aa - Cage-Cone Backface Clearance	0.14 in
a - Effective Center Location ⁴	-0.45 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	34800 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	134000 lbf



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C0 - Static Radial Rating	210000 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	19000 lbf
K - Factor ⁸	1.83
G1 - Heat Generation Factor (Roller-Raceway)	533
G2 - Heat Generation Factor (Rib-Roller End)	85.9
Cg - Geometry Factor	0.133