



TIMKEN BEARINGS TRAINING INDUSTRY

TYPE TS



HM265049 Tapered Roller Bearings

Bearing No. HM265049

HM265049 Bearing 2D drawings and 3D CAD models

Series	HM265000
Cone Part Number	HM265049
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	890000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	231000 lbf
d	14.4980 in
B - Cone Width	4.0000 in
R - Cone Backface To Clear Radius ³	0.25 in
da - Cone Frontface Backing Diameter	15.51 in
db - Cone Backface Backing Diameter	15.75 in
Ab - Cage-Cone Frontface Clearance	0.27 in
Aa - Cage-Cone Backface Clearance	0.3 in
a - Effective Center Location ⁴	-0.33 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	132000 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	511000 lbf
C0 - Static Radial Rating	977000 lbf



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	75400 lbf
K - Factor ⁸	1.76
G1 - Heat Generation Factor (Roller-Raceway)	4297.3
G2 - Heat Generation Factor (Rib-Roller End)	412.9
Cg - Geometry Factor	0.211