



NTN BEARINGS INDUSTRY

TYPE TS



Timken hm212047 Bearing

Bearing No. hm212047

hm212047 Bearing 2D drawings and 3D CAD models

Cone Part Number	HM212047
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	104000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	27100 lbf
d	2.5000 in
B - Cone Width	1.5100 in
R - Cone Backface To Clear Radius ³	0.280 in
da - Cone Frontface Backing Diameter	2.87 in
db - Cone Backface Backing Diameter	3.43 in
Ab - Cage-Cone Frontface Clearance	0.15 in
Aa - Cage-Cone Backface Clearance	0.07 in
a - Effective Center Location ⁴	-0.43 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	15600 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	60000 lbf
C0 - Static Radial Rating	62700 lbf
C _{a90} - Dynamic Thrust	8990 lbf



NTN BEARINGS INDUSTRY

Rating (90 million revolutions) ⁷	
K - Factor ⁸	1.73
G1 - Heat Generation Factor (Roller-Raceway)	92.2
G2 - Heat Generation Factor (Rib-Roller End)	18.1
Cg - Geometry Factor	0.0759