



NTA BEARING PRECISION AXLE CORP.

TYPE TS



timken a4050 Cylindrical Roller Bearings

Bearing No. a4050

a4050 Bearing 2D drawings and 3D CAD models

Series	A4000
Cone Part Number	A4050
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	5150 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	1330 lbf
d	0.5000 in
B - Cone Width	0.4326 in
R - Cone Backface To Clear Radius ³	0.050 in
da - Cone Frontface Backing Diameter	0.67 in
db - Cone Backface Backing Diameter	0.73 in
Ab - Cage-Cone Frontface Clearance	0.07 in
Aa - Cage-Cone Backface Clearance	0 in
a - Effective Center Location ⁴	-0.1 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	767 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	2960 lbf
C0 - Static Radial Rating	2580 lbf



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C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	594 lbf
K - Factor ⁸	1.29
G1 - Heat Generation Factor (Roller-Raceway)	2.3
G2 - Heat Generation Factor (Rib-Roller End)	4.12
C _g - Geometry Factor	0.0355