



AMERICAN BEARING MFG.CORP.

TYPE TS



Timken 07100 Bearing

Bearing No. 07100

07100 Bearing 2D drawings and 3D CAD models

Series	07000
Cone Part Number	07100
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	11400 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	2950 lbf
d	1.0000 in
B - Cone Width	0.5614 in
R - Cone Backface To Clear Radius ³	0.04 in
da - Cone Frontface Backing Diameter	1.16 in
db - Cone Backface Backing Diameter	1.2 in
Ab - Cage-Cone Frontface Clearance	0.08 in
Aa - Cage-Cone Backface Clearance	0 in
a - Effective Center Location ⁴	-0.11 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	1700 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	6540 lbf
C0 - Static Radial Rating	6650 lbf



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	1170 lbf
K - Factor ⁸	1.45
G1 - Heat Generation Factor (Roller-Raceway)	7.6
G2 - Heat Generation Factor (Rib-Roller End)	7.1
Cg - Geometry Factor	0.0509