



RAA Bearing Trading Co., Ltd.

TYPE TS



timken 07100 Angular Contact Ball Bearings

Bearing No. 07100

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

07100 Bearing 2D drawings and 3D CAD models



RAA Bearing Trading Co., Ltd.

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