



NTN BEARINGS INDUSTRY

TYPE TS



Timken 15100 Bearing

Bearing No. 15100

15100 Bearing 2D drawings and 3D CAD models

Series	15000
Cone Part Number	15100
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	23400 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	6080 lbf
d	1.0000 in
B - Cone Width	0.8125 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	1.24 in
db - Cone Backface Backing Diameter	1.5 in
Ab - Cage-Cone Frontface Clearance	0.07 in
Aa - Cage-Cone Backface Clearance	0.03 in
a - Effective Center Location ⁴	-0.23 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	3490 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	13500 lbf
C0 - Static Radial Rating	12100 lbf



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	2090 lbf
K - Factor ⁸	1.67
G1 - Heat Generation Factor (Roller-Raceway)	14.6
G2 - Heat Generation Factor (Rib-Roller End)	10
Cg - Geometry Factor	0.0606