



TYPE TS



Timken 31594 Bearing

Bearing No. 31594

Series	31500
Cone Part Number	31594
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	37100 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	9610 lbf
d	1.3750 in
B - Cone Width	1.1250 in
R - Cone Backface To Clear Radius ³	0.06 in
da - Cone Frontface Backing Diameter	1.71 in
db - Cone Backface Backing Diameter	1.81 in
Ab - Cage-Cone Frontface Clearance	0.08 in
Aa - Cage-Cone Backface Clearance	0.04 in
a - Effective Center Location ⁴	-0.3 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	5520 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	21300 lbf
C0 - Static Radial Rating	24100 lbf

31594 Bearing 2D drawings and 3D CAD models



Fujian Zhenyuan Hydraulic Equipment C...

C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	3800 lbf
K - Factor ⁸	1.45
G1 - Heat Generation Factor (Roller-Raceway)	26.3
G2 - Heat Generation Factor (Rib-Roller End)	9.08
C _g - Geometry Factor	0.0773