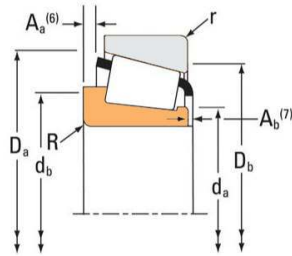




# NTPT NTK BEARINGS CO.,LTD.

## 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) <sup>1</sup>	37100 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	9610 lbf
d	1.3750 in
B - Cone Width	1.1250 in
R - Cone Backface To Clear Radius <sup>3</sup>	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 <sup>4</sup>	-0.3 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	5520 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	21300 lbf
C0 - Static Radial Rating	24100 lbf

31594 Bearing 2D drawings and 3D CAD models



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C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	3800 lbf
K - Factor <sup>8</sup>	1.45
G1 - Heat Generation Factor (Roller-Raceway)	26.3
G2 - Heat Generation Factor (Rib-Roller End)	9.08
C <sub>g</sub> - Geometry Factor	0.0773