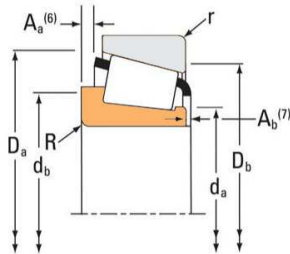




# BEARING CORP.OF AMERICA

## TYPE TS



## Timken 14136a Bearing

Bearing No. 14136a

Series	14000
Cone Part Number	14136A
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	21400 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	5540 lbf
d	1.3750 in
B - Cone Width	1.0520 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.03 in
da - Cone Frontface Backing Diameter	1.57 in
db - Cone Backface Backing Diameter	1.59 in
Ab - Cage-Cone Frontface Clearance	0.07 in
Aa - Cage-Cone Backface Clearance	0.31 in
a - Effective Center Location <sup>4</sup>	-0.45 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	3180 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	12300 lbf
C0 - Static Radial Rating	13900 lbf

14136a Bearing 2D drawings and 3D CAD models



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C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	2080 lbf
K - Factor <sup>8</sup>	1.53
G1 - Heat Generation Factor (Roller-Raceway)	18
G2 - Heat Generation Factor (Rib-Roller End)	13.3
C <sub>g</sub> - Geometry Factor	0.0668