



# BEARING CORP.OF AMERICA

## TYPE TS



## Timken EE114081 114161D Tapered roller bearing

Bearing No. EE114081

EE114081 Bearing 2D drawings and 3D CAD models

Series	114000
Cone Part Number	EE114081
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	477000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	124000 lbf
d	8.0015 in
B - Cone Width	3.3750 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.25 in
da - Cone Frontface Backing Diameter	9.33 in
db - Cone Backface Backing Diameter	9.69 in
Ab - Cage-Cone Frontface Clearance	0.44 in
Aa - Cage-Cone Backface Clearance	0.74 in
a - Effective Center Location <sup>4</sup>	0.98 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	71000 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	274000 lbf



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C0 - Static Radial Rating	328000 lbf
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	97000 lbf
K - Factor <sup>8</sup>	0.73
G1 - Heat Generation Factor (Roller-Raceway)	794.7
G2 - Heat Generation Factor (Rib-Roller End)	80.2
Cg - Geometry Factor	0.157