



# BEARING CORP.OF AMERICA

## TYPE TS



## Timken EE291175 291751CD Tapered roller bearing

Bearing No. EE291175

EE291175 Bearing 2D drawings and 3D CAD models

Series	290000
Cone Part Number	EE291175
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	347000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	90000 lbf
d	11.7500 in
B - Cone Width	2.4375 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.310 in
da - Cone Frontface Backing Diameter	12.6 in
db - Cone Backface Backing Diameter	13.07 in
Ab - Cage-Cone Frontface Clearance	0.34 in
Aa - Cage-Cone Backface Clearance	0.4 in
a - Effective Center Location <sup>4</sup>	0.3 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	51700 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	199000 lbf



## BEARING CORP.OF AMERICA

C0 - Static Radial Rating	312000 lbf
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	33400 lbf
K - Factor <sup>8</sup>	1.55
G1 - Heat Generation Factor (Roller-Raceway)	1580
G2 - Heat Generation Factor (Rib-Roller End)	245
Cg - Geometry Factor	0.156