



# BEARING CORP.OF AMERICA

## TYPE TS



## Timken LM501349 LM501310 Tapered roller bearing

Bearing No. LM501349

Cone Part Number	LM501349
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	29300 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	7590 lbf
d	1.6250 in
B - Cone Width	0.7800 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	1.89 in
db - Cone Backface Backing Diameter	2.13 in
Ab - Cage-Cone Frontface Clearance	0.07 in
Aa - Cage-Cone Backface Clearance	0.01 in
a - Effective Center Location <sup>4</sup>	-0.13 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	4360 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	16800 lbf
C0 - Static Radial Rating	16700 lbf

LM501349 Bearing 2D drawings and 3D CAD models



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$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	2980 lbf
K - Factor <sup>8</sup>	1.46
G1 - Heat Generation Factor (Roller-Raceway)	23.3
G2 - Heat Generation Factor (Rib-Roller End)	13.3
Cg - Geometry Factor	0.0739