



# BEARING CORP.OF AMERICA

## TYPE TS



## Timken LM654649 LM654610CD Tapered roller bearing

Bearing No. LM654649

LM654649 Bearing 2D drawings and 3D CAD models

Series	LM654600
Cone Part Number	LM654649
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	283000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	73300 lbf
d	11.2500 in
B - Cone Width	2.5625 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	11.89 in
db - Cone Backface Backing Diameter	12.05 in
Ab - Cage-Cone Frontface Clearance	0.08 in
Aa - Cage-Cone Backface Clearance	0.27 in
a - Effective Center Location <sup>4</sup>	0.45 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	42100 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	162000 lbf



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C0 - Static Radial Rating	387000 lbf
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	31100 lbf
K - Factor <sup>8</sup>	1.35
G1 - Heat Generation Factor (Roller-Raceway)	1916.4
G2 - Heat Generation Factor (Rib-Roller End)	265.6
Cg - Geometry Factor	0.174