



# BEARING CORP.OF AMERICA

## TYPE TS



## Timken LL687949 LL687910D Tapered roller bearing

Bearing No. LL687949

LL687949 Bearing 2D drawings and 3D CAD models

Series	LL687900
Cone Part Number	LL687949
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	654000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	169000 lbf
d	38.5000 in
B - Cone Width	2.5 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.25 in
da - Cone Frontface Backing Diameter	39.57 in
db - Cone Backface Backing Diameter	39.76 in
Ab - Cage-Cone Frontface Clearance	0.46 in
Aa - Cage-Cone Backface Clearance	0.15 in
a - Effective Center Location <sup>4</sup>	4.52 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	97300 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	375000 lbf



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C0 - Static Radial Rating	1190000 lbf
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	72700 lbf
K - Factor <sup>8</sup>	1.34
G1 - Heat Generation Factor (Roller-Raceway)	18900
G2 - Heat Generation Factor (Rib-Roller End)	3190.6
Cg - Geometry Factor	0.363