



# BEARING CORP.OF AMERICA

## TYPE TS



## Timken HM237542 HM237510CD Tapered roller bearing

Bearing No. HM237542

HM237542 Bearing 2D drawings and 3D CAD models

Series	HM237500
Cone Part Number	HM237542
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	382000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	99100 lbf
d	6.8750 in
B - Cone Width	2.5 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.280 in
da - Cone Frontface Backing Diameter	7.52 in
db - Cone Backface Backing Diameter	7.95 in
Ab - Cage-Cone Frontface Clearance	0.2 in
Aa - Cage-Cone Backface Clearance	0.2 in
a - Effective Center Location <sup>4</sup>	-0.46 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	56900 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	219000 lbf



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C0 - Static Radial Rating	278000 lbf
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	31100 lbf
K - Factor <sup>8</sup>	1.83
G1 - Heat Generation Factor (Roller-Raceway)	751.2
G2 - Heat Generation Factor (Rib-Roller End)	101.5
Cg - Geometry Factor	0.117