



# BEARING CORP.OF AMERICA

## TYPE TS



## Timken HM905843 HM905810 Tapered roller bearing

Bearing No. HM905843

Cone Part Number	HM905843
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	52700 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	13700 lbf
d	1.7712 in
B - Cone Width	1.2500 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.1 in
da - Cone Frontface Backing Diameter	2.39 in
db - Cone Backface Backing Diameter	2.68 in
Ab - Cage-Cone Frontface Clearance	0.11 in
Aa - Cage-Cone Backface Clearance	0.13 in
a - Effective Center Location <sup>4</sup>	0.07 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	7850 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	30300 lbf
C0 - Static Radial Rating	38400 lbf

HM905843 Bearing 2D drawings and 3D CAD models



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$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	10500 lbf
K - Factor <sup>8</sup>	0.75
G1 - Heat Generation Factor (Roller-Raceway)	48.2
G2 - Heat Generation Factor (Rib-Roller End)	15.9
Cg - Geometry Factor	0.116