



# Shanghai Shengjie Bearing Co., Ltd.

## TYPE TS



## Timken HM252349 HM252310CD Tapered roller bearing

Bearing No. HM252349

HM252349 Bearing 2D drawings and 3D CAD models

Series	HM252300
Cone Part Number	HM252349
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	605000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	157000 lbf
d	10.2500 in
B - Cone Width	3.1406 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.270 in
da - Cone Frontface Backing Diameter	11.22 in
db - Cone Backface Backing Diameter	11.5 in
Ab - Cage-Cone Frontface Clearance	0.29 in
Aa - Cage-Cone Backface Clearance	0.35 in
a - Effective Center Location <sup>4</sup>	-0.37 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	90100 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	348000 lbf



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C0 - Static Radial Rating	475000 lbf
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	51300 lbf
K - Factor <sup>8</sup>	1.76
G1 - Heat Generation Factor (Roller-Raceway)	1551.8
G2 - Heat Generation Factor (Rib-Roller End)	152.3
Cg - Geometry Factor	0.150