



# NACHI BEARINGS TRAINING INDUSTRY

## TYPE TS



## Timken Im104949 Thrust Ball Bearing

Bearing No. Im104949

Im104949 Bearing 2D drawings and 3D CAD models

Cone Part Number	LM104949
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	37700 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	9770 lbf
d	2 in
B - Cone Width	0.8750 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	2.2 in
db - Cone Backface Backing Diameter	2.48 in
Ab - Cage-Cone Frontface Clearance	0.1 in
Aa - Cage-Cone Backface Clearance	0.03 in
a - Effective Center Location <sup>4</sup>	-0.23 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	5610 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	21700 lbf
C0 - Static Radial Rating	23400 lbf
C <sub>a90</sub> - Dynamic Thrust	2930 lbf



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Rating (90 million revolutions) <sup>7</sup>	
K - Factor <sup>8</sup>	1.91
G1 - Heat Generation Factor (Roller-Raceway)	38.8
G2 - Heat Generation Factor (Rib-Roller End)	19.3
Cg - Geometry Factor	0.0801