



# RAA Bearing Trading Co., Ltd.

## TYPE TS



## timken m86649 Angular Contact Ball Bearings

Bearing No. m86649

m86649 Bearing 2D drawings and 3D CAD models

Series	M86600
Cone Part Number	M86649
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	23600 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	6110 lbf
d	1.1875 in
B - Cone Width	0.8438 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.06 in
da - Cone Frontface Backing Diameter	1.5 in
db - Cone Backface Backing Diameter	1.73 in
Ab - Cage-Cone Frontface Clearance	0.07 in
Aa - Cage-Cone Backface Clearance	0.03 in
a - Effective Center Location <sup>4</sup>	-0.13 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	3510 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	13500 lbf
C0 - Static Radial Rating	16100 lbf



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$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	3280 lbf
K - Factor <sup>8</sup>	1.07
G1 - Heat Generation Factor (Roller-Raceway)	16.8
G2 - Heat Generation Factor (Rib-Roller End)	9.36
Cg - Geometry Factor	0.0736