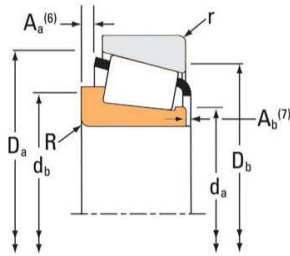
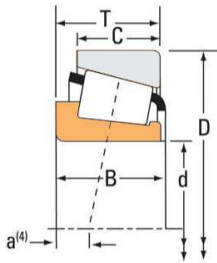




# NTA BEARING PRECISION AXLE CORP.

## TYPE TS



## timken m86649 Cylindrical Roller 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



## NTA BEARING PRECISION AXLE CORP.

C <sub>a90</sub> - 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
C <sub>g</sub> - Geometry Factor	0.0736