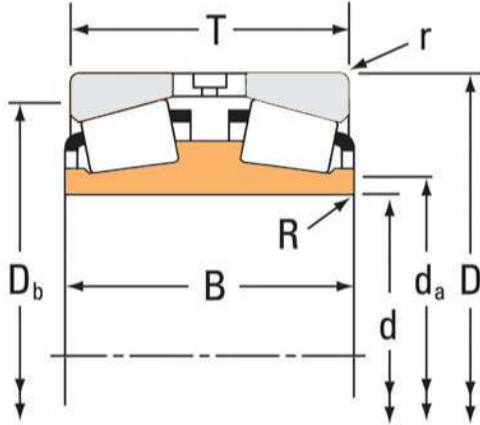




# BEARINGS OF AMERICA CORP.

## TYPE TDI

## HM265049DW Thrust Roller Bearing



HM265049DW Bearing 2D drawings and 3D CAD models

Bearing No. HM265049DW

Series	HM265000
Cone Part Number	HM265049DW
Design Units	Imperial
Cage Type	Pin-Type
db - Cone Backface Backing Diameter	15.5 in
C1 - Dynamic Radial Rating (1 million revolutions) <sup>1</sup>	511000 lbf
C0 - Static Radial Rating	977000 lbf
d	14.5000 in
B - Double Cone Width	7.3125 in
R - Cone Frontface To Clear Radius <sup>2</sup>	0.130 in
da - Cone Frontface Backing Diameter	15.5 in
Ab - Cage-Cone Frontface Clearance	0.27 in
C90 - Dynamic Radial Rating (One-Row, 90 million revolutions) <sup>3</sup>	132000 lbf
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>4</sup>	890000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>5</sup>	231000 lbf
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	75400 lbf
K - Factor <sup>7</sup>	1.76



## BEARINGS OF AMERICA CORP.

G1 - Heat Generation Factor (Roller-Raceway) <sup>8</sup>	4300
G2 - Heat Generation Factor (Rib-Roller End)	372
Cg - Geometry Factor <sup>9</sup>	0.211