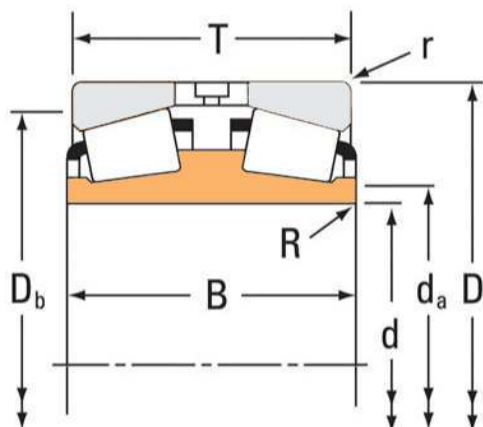




TIMKEN BEARING-SINGAPORE (PTE)LTD.

TYPE TDI

HM265049DW Thrust Roller Bearing



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) ¹	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 ²	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) ³	132000 lbf
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ⁴	890000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ⁵	231000 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁶	75400 lbf
K - Factor ⁷	1.76

HM265049DW Bearing 2D drawings and 3D CAD models



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