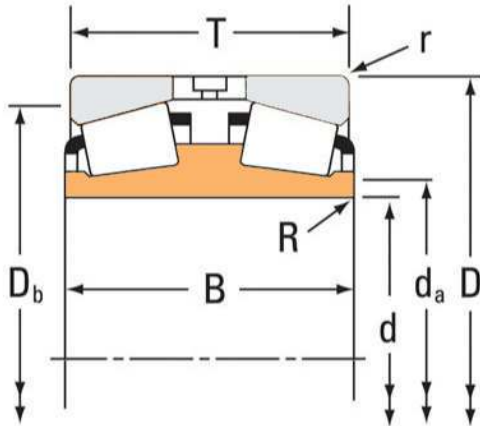




TYPE TDI

Timken 97500D 97900 Tapered Roller Bearings



97500D Bearing 2D drawings and 3D CAD models

Bearing No. 97500D

Series	97000
Cone Part Number	97500D
Design Units	Imperial
Cage Type	Stamped Steel
db - Cone Backface Backing Diameter	5.67 in
C1 - Dynamic Radial Rating (1 million revolutions) ¹	84500 lbf
C0 - Static Radial Rating	109000 lbf
d	5 in
B - Double Cone Width	5.9545 in
R - Cone Frontface To Clear Radius ²	0.060 in
da - Cone Frontface Backing Diameter	5.67 in
Ab - Cage-Cone Frontface Clearance	0.21 in
C90 - Dynamic Radial Rating (One-Row, 90 million revolutions) ³	21900 lbf
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ⁴	147000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ⁵	38200 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁶	27600 lbf
K - Factor ⁷	0.79



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G1 - Heat Generation Factor (Roller-Raceway) ⁸	237
G2 - Heat Generation Factor (Rib-Roller End)	44.6
Cg - Geometry Factor ⁹	0.131