



BEARING USA CORP.

TYPE TS



Timken 33281 33462D Tapered roller bearing

Bearing No. 33281

Series	33000
Cone Part Number	33281
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	54200 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	14000 lbf
d	2.8125 in
B - Cone Width	1.1875 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	3.15 in
db - Cone Backface Backing Diameter	3.43 in
Ab - Cage-Cone Frontface Clearance	0.07 in
Aa - Cage-Cone Backface Clearance	0.07 in
a - Effective Center Location ⁴	-0.11 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	8060 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	31100 lbf
C0 - Static Radial Rating	44300 lbf

33281 Bearing 2D drawings and 3D CAD models



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	6020 lbf
K - Factor ⁸	1.34
G1 - Heat Generation Factor (Roller-Raceway)	84.2
G2 - Heat Generation Factor (Rib-Roller End)	25.9
Cg - Geometry Factor	0.116