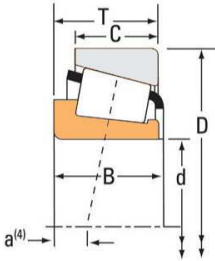




BEARING USA CORP.

TYPE TS



Timken 447 432D Tapered roller bearing

Bearing No. 447

447 Bearing 2D drawings and 3D CAD models

Series	435
Cone Part Number	447
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	49700 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	12900 lbf
d	1.6250 in
B - Cone Width	1.1772 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	1.91 in
db - Cone Backface Backing Diameter	2.17 in
Ab - Cage-Conc Frontface Clearance	0.05 in
Aa - Cage-Conc Backface Clearance	0.04 in
a - Effective Center Location ⁴	-0.36 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	7400 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	28500 lbf
C0 - Static Radial Rating	32400 lbf



BEARING USA CORP.

C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	3600 lbf
K - Factor ⁸	2.05
G1 - Heat Generation Factor (Roller-Raceway)	42.5
G2 - Heat Generation Factor (Rib-Roller End)	11.3
Cg - Geometry Factor	0.0805