



BEARING CORP.OF AMERICA

TYPE TS



Timken 48685 48620D Tapered roller bearing

Bearing No. 48685

Series	48600
Cone Part Number	48685
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	112000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	29100 lbf
d	5.625 in
B - Cone Width	1.5625 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	5.94 in
db - Cone Backface Backing Diameter	6.22 in
Ab - Cage-Conc Frontface Clearance	0.12 in
Aa - Cage-Conc Backface Clearance	0.1 in
a - Effective Center Location ⁴	-0.12 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	16700 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	64400 lbf
C0 - Static Radial Rating	126000 lbf

48685 Bearing 2D drawings and 3D CAD models



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C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	9610 lbf
K - Factor ⁸	1.74
G1 - Heat Generation Factor (Roller-Raceway)	439.6
G2 - Heat Generation Factor (Rib-Roller End)	130.5
C _g - Geometry Factor	0.126