



BEARING USA CORP.

TYPE TS



Timken 13687 13621D Tapered roller bearing

Bearing No. 13687

13687 Bearing 2D drawings and 3D CAD models

Series	13600
Cone Part Number	13687
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	26300 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	6820 lbf
d	1.5 in
B - Cone Width	0.7500 in
R - Cone Backface To Clear Radius ³	0.080 in
da - Cone Frontface Backing Diameter	1.75 in
db - Cone Backface Backing Diameter	1.89 in
Ab - Cage-Cone Frontface Clearance	0.05 in
Aa - Cage-Cone Backface Clearance	0.02 in
a - Effective Center Location ⁴	-0.12 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	3920 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	15100 lbf
C0 - Static Radial Rating	15300 lbf



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	2700 lbf
K - Factor ⁸	1.45
G1 - Heat Generation Factor (Roller-Raceway)	20.7
G2 - Heat Generation Factor (Rib-Roller End)	10.9
Cg - Geometry Factor	0.0713