



Bearing Processing Export Trading Co....

TYPE TS



TIMKEN I44642 bearing

Bearing No. I44642

Cone Part Number	L44642
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	13900 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	3610 lbf
d	1.0000 in
B - Cone Width	0.5800 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	1.16 in
db - Cone Backface Backing Diameter	1.42 in
Ab - Cage-Cone Frontface Clearance	0.05 in
Aa - Cage-Cone Backface Clearance	0.02 in
a - Effective Center Location ⁴	-0.13 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	2080 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	8010 lbf
C0 - Static Radial Rating	7400 lbf
C _{a90} - Dynamic Thrust	1330 lbf

I44642 Bearing 2D drawings and 3D CAD models



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Rating (90 million revolutions) ⁷	
K - Factor ⁸	1.56
G1 - Heat Generation Factor (Roller-Raceway)	8.9
G2 - Heat Generation Factor (Rib-Roller End)	8.9
Cg - Geometry Factor	0.0526