



BEARING CORP.OF AMERICA

TYPE TS



Timken 39590 39520 Tapered roller bearing

Bearing No. 39590

Series	39500
Cone Part Number	39590
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	65300 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	16900 lbf
d	2.6250 in
B - Cone Width	1.1875 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	2.95 in
db - Cone Backface Backing Diameter	3.23 in
Ab - Cage-Conc Frontface Clearance	0.13 in
Aa - Cage-Conc Backface Clearance	0.05 in
a - Effective Center Location ⁴	-0.26 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	9730 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	37500 lbf
C0 - Static Radial Rating	50300 lbf

39590 Bearing 2D drawings and 3D CAD models



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C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	5650 lbf
K - Factor ⁸	1.72
G1 - Heat Generation Factor (Roller-Raceway)	84.3
G2 - Heat Generation Factor (Rib-Roller End)	23.7
C _g - Geometry Factor	0.107