



BEARING CORP. OF CANADA LTD.

TYPE TS



Timken 399a Bearing

Bearing No. 399a

399a Bearing 2D drawings and 3D CAD models

Series	395
Cone Part Number	399A
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	38700 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	10000 lbf
d	2.6875 in
B - Cone Width	0.8660 in
R - Cone Backface To Clear Radius ³	0.09 in
da - Cone Frontface Backing Diameter	2.91 in
db - Cone Backface Backing Diameter	3.07 in
Ab - Cage-Cone Frontface Clearance	0.11 in
Aa - Cage-Cone Backface Clearance	0.05 in
a - Effective Center Location ⁴	-0.03 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	5760 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	22200 lbf
C0 - Static Radial Rating	28100 lbf



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C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	3970 lbf
K - Factor ⁸	1.45
G1 - Heat Generation Factor (Roller-Raceway)	56
G2 - Heat Generation Factor (Rib-Roller End)	21.4
C _g - Geometry Factor	0.0984