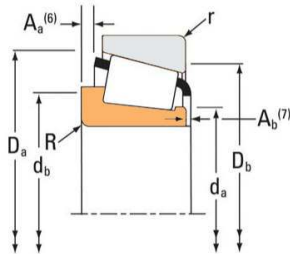
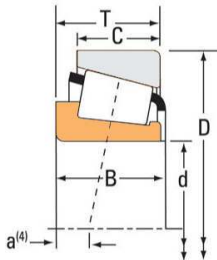




BEARING CORP.OF AMERICA

TYPE TS



Timken 99550 99102CD Tapered roller bearing

Bearing No. 99550

Series	99000
Cone Part Number	99550
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	258000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	67000 lbf
d	5.5000 in
B - Cone Width	2.6250 in
R - Cone Backface To Clear Radius ³	0.280 in
da - Cone Frontface Backing Diameter	6.14 in
db - Cone Backface Backing Diameter	6.69 in
Ab - Cage-Cone Frontface Clearance	0.19 in
Aa - Cage-Cone Backface Clearance	0.34 in
a - Effective Center Location ⁴	-0.48 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	38500 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	148000 lbf
C0 - Static Radial Rating	231000 lbf

99550 Bearing 2D drawings and 3D CAD models



BEARING CORP.OF AMERICA

C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	26800 lbf
K - Factor ⁸	1.43
G1 - Heat Generation Factor (Roller-Raceway)	555.5
G2 - Heat Generation Factor (Rib-Roller End)	73.5
C _g - Geometry Factor	0.146