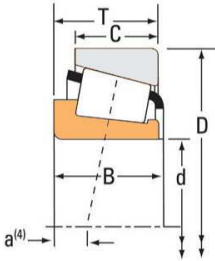




BEARING USA CORP.

TYPE TS



Timken 98316 98789D Tapered roller bearing

Bearing No. 98316

98316 Bearing 2D drawings and 3D CAD models

Series	98000
Cone Part Number	98316
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	189000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	48900 lbf
d	3.1496 in
B - Cone Width	1.9375 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	4.13 in
db - Cone Backface Backing Diameter	4.37 in
Ab - Cage-Cone Frontface Clearance	0.24 in
Aa - Cage-Cone Backface Clearance	0.31 in
a - Effective Center Location ⁴	0.05 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	28100 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	108000 lbf
C0 - Static Radial Rating	117000 lbf



BEARING USA CORP.

C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	30400 lbf
K - Factor ⁸	0.92
G1 - Heat Generation Factor (Roller-Raceway)	203.4
G2 - Heat Generation Factor (Rib-Roller End)	37.5
Cg - Geometry Factor	0.120