



TYPE TS



Timken 866 854D Tapered roller bearing

Bearing No. 866

Series	855
Cone Part Number	866
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	179000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	46400 lbf
d	3.8750 in
B - Cone Width	2.2650 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	4.37 in
db - Cone Backface Backing Diameter	4.65 in
Ab - Cage-Cone Frontface Clearance	0.06 in
Aa - Cage-Cone Backface Clearance	0.15 in
a - Effective Center Location ⁴	-0.6 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	26700 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	103000 lbf
C0 - Static Radial Rating	142000 lbf

866 Bearing 2D drawings and 3D CAD models



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	15300 lbf
K - Factor ⁸	1.74
G1 - Heat Generation Factor (Roller-Raceway)	264.1
G2 - Heat Generation Factor (Rib-Roller End)	44.9
Cg - Geometry Factor	0.107