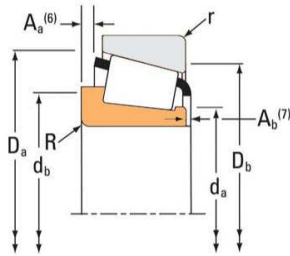




TYPE TS



Timken 837 834D Tapered roller bearing

Bearing No. 837

837 Bearing 2D drawings and 3D CAD models

Series	835
Cone Part Number	837
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	190000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	49200 lbf
d	3 in
B - Cone Width	2.2190 in
R - Cone Backface To Clear Radius ³	0.03 in
da - Cone Frontface Backing Diameter	3.5 in
db - Cone Backface Backing Diameter	3.54 in
Ab - Cage-Cone Frontface Clearance	0.1 in
Aa - Cage-Cone Backface Clearance	0.13 in
a - Effective Center Location ⁴	-0.73 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	28300 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	109000 lbf
C0 - Static Radial Rating	117000 lbf



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	14500 lbf
K - Factor ⁸	1.95
G1 - Heat Generation Factor (Roller-Raceway)	197.9
G2 - Heat Generation Factor (Rib-Roller End)	34.8
Cg - Geometry Factor	0.0937