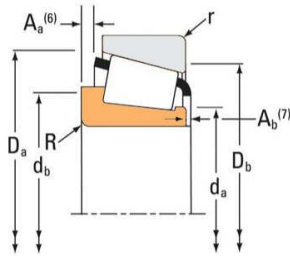
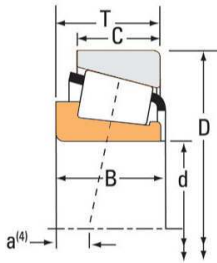




TYPE TS



Timken 835 834D Tapered roller bearing

Bearing No. 835

Series	835
Cone Part Number	835
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	190000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	49200 lbf
d	2.7500 in
B - Cone Width	2.2190 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	3.31 in
db - Cone Backface Backing Diameter	3.58 in
Ab - Cage-Cone Frontface Clearance	0.1 in
Aa - Cage-Cone Backface Clearance	0.13 in
a - Effective Center Location <sup>4</sup>	-0.73 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	28300 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	109000 lbf
C0 - Static Radial Rating	117000 lbf

835 Bearing 2D drawings and 3D CAD models



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