



# BEARING USA CORP.

## TYPE TS



## Timken 850A 834D Tapered roller bearing

Bearing No. 850A

850A Bearing 2D drawings and 3D CAD models

Series	835
Cone Part Number	850A
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	160000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	41500 lbf
d	3.5390 in
B - Cone Width	2.2190 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	3.98 in
db - Cone Backface Backing Diameter	4.21 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>	23800 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	92000 lbf
C0 - Static Radial Rating	117000 lbf



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$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	12200 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