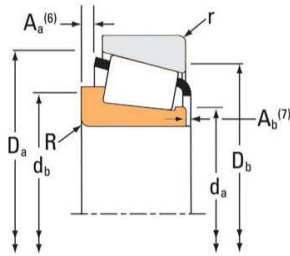
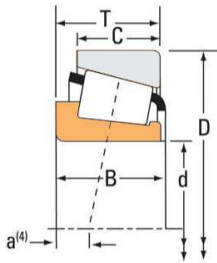




TYPE TS



Timken 33880 33821D Tapered roller bearing

Bearing No. 33880

33880 Bearing 2D drawings and 3D CAD models

Series	33800
Cone Part Number	33880
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	50800 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	13200 lbf
d	1.5 in
B - Cone Width	1.1250 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	1.89 in
db - Cone Backface Backing Diameter	2.13 in
Ab - Cage-Cone Frontface Clearance	0.11 in
Aa - Cage-Cone Backface Clearance	0.04 in
a - Effective Center Location ⁴	-0.3 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	7560 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	29200 lbf
C0 - Static Radial Rating	36200 lbf



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	4270 lbf
K - Factor ⁸	1.77
G1 - Heat Generation Factor (Roller-Raceway)	52.5
G2 - Heat Generation Factor (Rib-Roller End)	18.5
Cg - Geometry Factor	0.091