



BEARING CORP.OF AMERICA

TYPE TS



Timken 28580 28523 Tapered roller bearing

Bearing No. 28580

Series	28500
Cone Part Number	28580
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	38700 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	10000 lbf
d	2 in
B - Cone Width	1.0000 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	2.24 in
db - Cone Backface Backing Diameter	2.48 in
Ab - Cage-Cone Frontface Clearance	0.06 in
Aa - Cage-Cone Backface Clearance	0.04 in
a - Effective Center Location ⁴	-0.19 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	5770 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	22200 lbf
C0 - Static Radial Rating	29200 lbf

28580 Bearing 2D drawings and 3D CAD models



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	3720 lbf
K - Factor ⁸	1.55
G1 - Heat Generation Factor (Roller-Raceway)	46.4
G2 - Heat Generation Factor (Rib-Roller End)	22.6
Cg - Geometry Factor	0.0912