



BEARING CORP.OF AMERICA

TYPE TS



Timken 46790 46720CD Tapered roller bearing

Bearing No. 46790

Series	46700
Cone Part Number	46790
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	119000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	30800 lbf
d	6.5 in
B - Cone Width	1.5625 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	6.85 in
db - Cone Backface Backing Diameter	7.13 in
Ab - Cage-Cone Frontface Clearance	0.12 in
Aa - Cage-Cone Backface Clearance	0.13 in
a - Effective Center Location ⁴	0.1 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	17700 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	68200 lbf
C0 - Static Radial Rating	143000 lbf

46790 Bearing 2D drawings and 3D CAD models



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	11600 lbf
K - Factor ⁸	1.52
G1 - Heat Generation Factor (Roller-Raceway)	572
G2 - Heat Generation Factor (Rib-Roller End)	175
Cg - Geometry Factor	0.143