



BEARING CORP.OF AMERICA

TYPE TS



Timken EE843220 843291CD Tapered roller bearing

Bearing No. EE843220

EE843220 Bearing 2D drawings and 3D CAD models

Series	843000
Cone Part Number	EE843220
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	810000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	210000 lbf
d	22.0000 in
B - Cone Width	3.4688 in
R - Cone Backface To Clear Radius ³	0.25 in
da - Cone Frontface Backing Diameter	23.03 in
db - Cone Backface Backing Diameter	23.27 in
Ab - Cage-Cone Frontface Clearance	0.29 in
Aa - Cage-Cone Backface Clearance	0.33 in
a - Effective Center Location ⁴	0.89 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	121000 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	465000 lbf



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C0 - Static Radial Rating	1030000 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	70700 lbf
K - Factor ⁸	1.7
G1 - Heat Generation Factor (Roller-Raceway)	7100
G2 - Heat Generation Factor (Rib-Roller End)	714.8
Cg - Geometry Factor	0.248