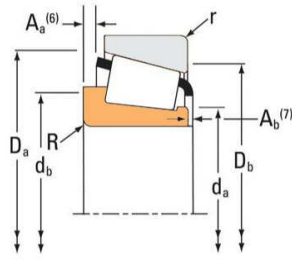




Shanghai Shengjie Bearing Co., Ltd.

TYPE TS



Timken EE542220 542291CD Tapered roller bearing

Bearing No. EE542220

EE542220 Bearing 2D drawings and 3D CAD models

Series	542000
Cone Part Number	EE542220
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	548000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	142000 lbf
d	22.0000 in
B - Cone Width	3.0000 in
R - Cone Backface To Clear Radius ³	0.25 in
da - Cone Frontface Backing Diameter	23.03 in
db - Cone Backface Backing Diameter	23.39 in
Ab - Cage-Cone Frontface Clearance	0.15 in
Aa - Cage-Cone Backface Clearance	0.59 in
a - Effective Center Location ⁴	2.55 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	81600 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	315000 lbf



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C0 - Static Radial Rating	728000 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	71000 lbf
K - Factor ⁸	1.15
G1 - Heat Generation Factor (Roller-Raceway)	5730
G2 - Heat Generation Factor (Rib-Roller End)	782
Cg - Geometry Factor	0.26