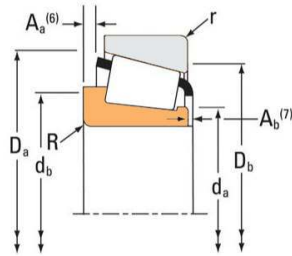




Shanghai Shengjie Bearing Co., Ltd.

TYPE TS



Timken HM743345 HM743310CD Tapered roller bearing

Bearing No. HM743345

HM743345 Bearing 2D drawings and 3D CAD models

Series	HM743300
Cone Part Number	HM743345
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	359000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	93000 lbf
d	8.2500 in
B - Cone Width	2.7500 in
R - Cone Backface To Clear Radius ³	0.25 in
da - Cone Frontface Backing Diameter	8.98 in
db - Cone Backface Backing Diameter	9.37 in
Ab - Cage-Cone Frontface Clearance	0.2 in
Aa - Cage-Cone Backface Clearance	0.18 in
a - Effective Center Location ⁴	0.03 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	53400 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	206000 lbf



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C0 - Static Radial Rating	353000 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	40200 lbf
K - Factor ⁸	1.33
G1 - Heat Generation Factor (Roller-Raceway)	1017.2
G2 - Heat Generation Factor (Rib-Roller End)	140.1
Cg - Geometry Factor	0.143