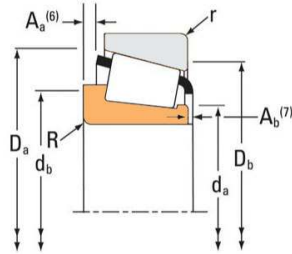




Shanghai Shengjie Bearing Co., Ltd.

TYPE TS



Timken HM746646 HM746610CD Tapered roller bearing

Bearing No. HM746646

HM746646 Bearing 2D drawings and 3D CAD models

Series	HM746600
Cone Part Number	HM746646
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	372000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	96500 lbf
d	9.0000 in
B - Cone Width	2.7500 in
R - Cone Backface To Clear Radius ³	0.25 in
da - Cone Frontface Backing Diameter	9.76 in
db - Cone Backface Backing Diameter	10.16 in
Ab - Cage-Cone Frontface Clearance	0.21 in
Aa - Cage-Cone Backface Clearance	0.19 in
a - Effective Center Location ⁴	0.27 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	55400 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	214000 lbf



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C0 - Static Radial Rating	380000 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	44900 lbf
K - Factor ⁸	1.24
G1 - Heat Generation Factor (Roller-Raceway)	1190
G2 - Heat Generation Factor (Rib-Roller End)	149
Cg - Geometry Factor	0.154