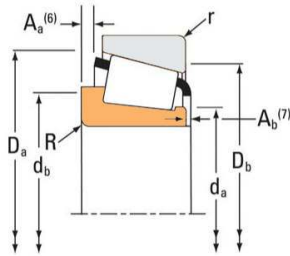
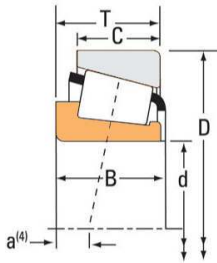




TYPE TS



Timken 744 742D Tapered roller bearing

Bearing No. 744

744 Bearing 2D drawings and 3D CAD models

Series	745
Cone Part Number	744
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	147000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	38200 lbf
d	2.8750 in
B - Cone Width	1.8375 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	3.35 in
db - Cone Backface Backing Diameter	3.58 in
Ab - Cage-Cone Frontface Clearance	0.08 in
Aa - Cage-Cone Backface Clearance	0.05 in
a - Effective Center Location ⁴	-0.47 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	21900 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	84700 lbf
C0 - Static Radial Rating	93800 lbf



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	12200 lbf
K - Factor ⁸	1.8
G1 - Heat Generation Factor (Roller-Raceway)	159.6
G2 - Heat Generation Factor (Rib-Roller End)	26.3
Cg - Geometry Factor	0.0898