



Shanghai Shengjie Bearing Co., Ltd.

TYPE TS



Timken M249749 M249710CD Tapered roller bearing

Bearing No. M249749

M249749 Bearing 2D drawings and 3D CAD models

Series	M249700
Cone Part Number	M249749
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	358000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	92800 lbf
d	10.0000 in
B - Cone Width	2.8125 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	10.63 in
db - Cone Backface Backing Diameter	10.79 in
Ab - Cage-Cone Frontface Clearance	0.17 in
Aa - Cage-Cone Backface Clearance	0.28 in
a - Effective Center Location ⁴	-0.27 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	53300 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	206000 lbf



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C0 - Static Radial Rating	416000 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	30300 lbf
K - Factor ⁸	1.76
G1 - Heat Generation Factor (Roller-Raceway)	1626
G2 - Heat Generation Factor (Rib-Roller End)	173
Cg - Geometry Factor	0.153