



CARTER BEARING MFG LTD

TYPE TS



M268749 Thrust Ball Bearings

Bearing No. M268749

Series	M268700
Cone Part Number	M268749
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	1120000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	290000 lbf
d	16.3750 in
B - Cone Width	4.5000 in
R - Cone Backface To Clear Radius ³	0.25 in
da - Cone Frontface Backing Diameter	17.36 in
db - Cone Backface Backing Diameter	17.76 in
Ab - Cage-Cone Frontface Clearance	0.33 in
Aa - Cage-Cone Backface Clearance	0.34 in
a - Effective Center Location ⁴	-0.37 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	166000 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	642000 lbf
C0 - Static Radial Rating	1250000 lbf

M268749 Bearing 2D drawings and 3D CAD models



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C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	94800 lbf
K - Factor ⁸	1.76
G1 - Heat Generation Factor (Roller-Raceway)	5750
G2 - Heat Generation Factor (Rib-Roller End)	421
C _g - Geometry Factor	0.232