



TIMKEN BEARINGS(UK)LTD.

TYPE TS



Timken Im102949 Bearing

Bearing No. Im102949

Cone Part Number	LM102949
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	28500 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	7400 lbf
d	1.7812 in
B - Cone Width	0.7800 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	1.97 in
db - Cone Backface Backing Diameter	2.2 in
Ab - Cage-Cone Frontface Clearance	0.07 in
Aa - Cage-Cone Backface Clearance	0.01 in
a - Effective Center Location ⁴	-0.18 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	4250 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	16400 lbf
C0 - Static Radial Rating	18400 lbf
C _{a90} - Dynamic Thrust	2220 lbf

Im102949 Bearing 2D drawings and 3D CAD models



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Rating (90 million revolutions) ⁷	
K - Factor ⁸	1.91
G1 - Heat Generation Factor (Roller-Raceway)	31.1
G2 - Heat Generation Factor (Rib-Roller End)	18.8
Cg - Geometry Factor	0.0744