



RAA Bearing Trading Co., Ltd.

TYPE TS



timken Im11949 Angular Contact Ball Bearings

Bearing No. Im11949

Cone Part Number	LM11949
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	15300 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	3970 lbf
d	0.7500 in
B - Cone Width	0.6550 in
R - Cone Backface To Clear Radius ³	0.050 in
da - Cone Frontface Backing Diameter	0.93 in
db - Cone Backface Backing Diameter	0.98 in
Ab - Cage-Cone Frontface Clearance	0.05 in
Aa - Cage-Cone Backface Clearance	-0.01 in
a - Effective Center Location ⁴	-0.22 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	2280 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	8800 lbf
C0 - Static Radial Rating	7200 lbf
C _{a90} - Dynamic Thrust	1170 lbf

Im11949 Bearing 2D drawings and 3D CAD models



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Rating (90 million revolutions) ⁷	
K - Factor ⁸	1.94
G1 - Heat Generation Factor (Roller-Raceway)	6.6
G2 - Heat Generation Factor (Rib-Roller End)	5.49
Cg - Geometry Factor	0.0441