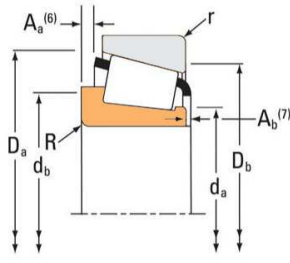




NACHI BEARINGS TRAINING INDUSTRY

TYPE TS



Timken Im11949 Plain Bearings

Bearing No. Im11949

Im11949 Bearing 2D drawings and 3D CAD models

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



NACHI BEARINGS TRAINING INDUSTRY

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