



LINK BELT BEARING LTD

TYPE TS



TIMKEN M12649 FRANCE Bearing

Bearing No. M12649

Cone Part Number	M12649
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	20400 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	5300 lbf
d	0.8437 in
B - Cone Width	0.7200 in
R - Cone Backface To Clear Radius ³	0.050 in
da - Cone Frontface Backing Diameter	1.08 in
db - Cone Backface Backing Diameter	1.16 in
Ab - Cage-Cone Frontface Clearance	0.07 in
Aa - Cage-Cone Backface Clearance	-0.01 in
a - Effective Center Location ⁴	-0.25 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	3040 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	11700 lbf
C0 - Static Radial Rating	9780 lbf
C _{a90} - Dynamic Thrust	1450 lbf

M12649 Bearing 2D drawings and 3D CAD models



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Rating (90 million revolutions) ⁷	
K - Factor ⁸	2.1
G1 - Heat Generation Factor (Roller-Raceway)	9.1
G2 - Heat Generation Factor (Rib-Roller End)	5.63
Cg - Geometry Factor	0.0479