



QM INDUSTRIES BEARING LIMITED

TYPE TS



TIMKEN JHM522649 FRANCE Bearing

Bearing No. JHM522649

Series	HM522600
Cone Part Number	JHM522649
Design Units	METRIC
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	145000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	37700 lbf
d	110 mm
B - Cone Width	46.000 mm
WPD	170.5 mm
DD	151.5 mm
R - Cone Backface To Clear Radius ³	3.050 mm
da - Cone Frontface Backing Diameter	122 mm
db - Cone Backface Backing Diameter	127 mm
Ab - Cage-Cone Frontface Clearance	4.6 mm
Aa - Cage-Cone Backface Clearance	2 mm
a - Effective Center Location ⁴	-5.8 mm
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	96300 N
C1 - Dynamic Radial Rating	371000 N

JHM522649 Bearing 2D drawings and 3D CAD models



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(1 million revolutions) ⁶	
C0 - Static Radial Rating	554000 N
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	66900 N
K - Factor ⁸	1.44
G1 - Heat Generation Factor (Roller-Raceway)	259
G2 - Heat Generation Factor (Rib-Roller End)	52.1
C _g - Geometry Factor	0.113