



BEARING CORP.OF AMERICA

TYPE TS



Timken JHM807045 JHM807012 Tapered roller bearing

Bearing No. JHM807045

JHM807045 Bearing 2D drawings and 3D CAD models

Series	HM807000
Cone Part Number	JHM807045
Design Units	METRIC
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	79600 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	20600 lbf
d	50.000 mm
B - Cone Width	36 mm
WPD	98.5 mm
DD	81.2 mm
R - Cone Backface To Clear Radius ³	3.050 mm
da - Cone Frontface Backing Diameter	63 mm
db - Cone Backface Backing Diameter	69 mm
Ab - Cage-Cone Frontface Clearance	3 mm
Aa - Cage-Cone Backface Clearance	3 mm
a - Effective Center Location ⁴	-7.6 mm
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	52700 N



BEARING CORP.OF AMERICA

C1 - Dynamic Radial Rating (1 million revolutions) ⁶	203000 N
C0 - Static Radial Rating	223000 N
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	44000 N
K - Factor ⁸	1.2
G1 - Heat Generation Factor (Roller-Raceway)	63.9
G2 - Heat Generation Factor (Rib-Roller End)	17.1
Cg - Geometry Factor	0.076