



BROWNING BEARING COMPANY

TYPE TS



timken hm807035 bearing

Bearing No. hm807035

Series	HM807000
Cone Part Number	HM807035
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	67200 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	17400 lbf
d	1.6250 in
B - Cone Width	1.4375 in
R - Cone Backface To Clear Radius ³	0.06 in
da - Cone Frontface Backing Diameter	2.24 in
db - Cone Backface Backing Diameter	2.36 in
Ab - Cage-Cone Frontface Clearance	0.1 in
Aa - Cage-Cone Backface Clearance	0.12 in
a - Effective Center Location ⁴	-0.29 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	10000 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	38600 lbf
C0 - Static Radial Rating	50200 lbf

hm807035 Bearing 2D drawings and 3D CAD models



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	8350 lbf
K - Factor ⁸	1.2
C_g - Geometry Factor	0.0760