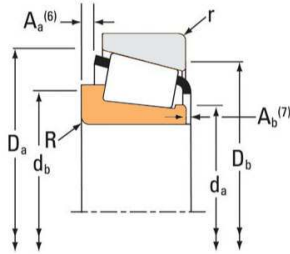
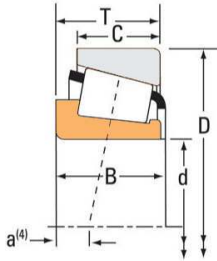




BEARING-MALAYSIA SDN.BHD.

TYPE TS



Timken hm89249 Bearing

Bearing No. hm89249

hm89249 Bearing 2D drawings and 3D CAD models

Cone Part Number	HM89249
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	49200 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	12700 lbf
d	1.4375 in
B - Cone Width	1.1350 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	1.73 in
db - Cone Backface Backing Diameter	2.17 in
Ab - Cage-Cone Frontface Clearance	0.12 in
Aa - Cage-Cone Backface Clearance	0.07 in
a - Effective Center Location ⁴	-0.23 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	7320 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	28200 lbf
C0 - Static Radial Rating	27200 lbf
C _{a90} - Dynamic Thrust	6840 lbf



BEARING-MALAYSIA SDN.BHD.

Rating (90 million revolutions) ⁷	
K - Factor ⁸	1.07
G1 - Heat Generation Factor (Roller-Raceway)	27
G2 - Heat Generation Factor (Rib-Roller End)	11.1
Cg - Geometry Factor	0.0861