



BEARING-THAILAND CO.,LTD

TYPE TS



Timken 4a Bearing

Bearing No. 4a

Cone Part Number	4A
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	7930 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	2060 lbf
d	0.7500 in
B - Cone Width	0.4688 in
R - Cone Backface To Clear Radius ³	0.06 in
da - Cone Frontface Backing Diameter	0.93 in
db - Cone Backface Backing Diameter	1 in
Ab - Cage-Cone Frontface Clearance	0.09 in
Aa - Cage-Cone Backface Clearance	0.01 in
a - Effective Center Location ⁴	-0.07 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	1180 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	4550 lbf
C0 - Static Radial Rating	4640 lbf
C _{a90} - Dynamic Thrust	969 lbf

4a Bearing 2D drawings and 3D CAD models



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Rating (90 million revolutions) ⁷	
K - Factor ⁸	1.22
G1 - Heat Generation Factor (Roller-Raceway)	4.6
G2 - Heat Generation Factor (Rib-Roller End)	2.6
Cg - Geometry Factor	0.0456