



# Toyana BEARING-SINGAPORE (PTE)LTD.

## TYPE TS



## HM261049 Complex Bearings

Bearing No. HM261049

HM261049 Bearing 2D drawings and 3D CAD models

Series	HM261000
Cone Part Number	HM261049
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	626000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	162000 lbf
d	13.1250 in
B - Cone Width	3.5625 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.25 in
da - Cone Frontface Backing Diameter	14.09 in
db - Cone Backface Backing Diameter	14.29 in
Ab - Cage-Cone Frontface Clearance	0.25 in
Aa - Cage-Cone Backface Clearance	0.22 in
a - Effective Center Location <sup>4</sup>	-0.24 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	93200 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	360000 lbf
C0 - Static Radial Rating	777000 lbf



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$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	53400 lbf
K - Factor <sup>8</sup>	1.74
G1 - Heat Generation Factor (Roller-Raceway)	3310
G2 - Heat Generation Factor (Rib-Roller End)	324
Cg - Geometry Factor	0.194