

# Toyana N324 E cylindrical roller bearings

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Series	39000
Cone Part Number	39250
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	44900 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	11600 lbf
d	2.5000 in
B – Cone Width	0.8661 in
R – Cone Backface To Clear Radius <sup>3</sup>	0.080 in
da – Cone Frontface Backing Diameter	2.76 in
db – Cone Backface Backing Diameter	2.87 in
Ab – Cage-Cone Frontface Clearance	0.12 in
Aa – Cage-Cone Backface Clearance	0.05 in
a – Effective Center Location <sup>4</sup>	-0.06 in
C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	6680 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	25800 lbf
C0 – Static Radial Rating	27000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	4440 lbf

K – Factor <sup>8</sup>	1.51
G1 – Heat Generation Factor (Roller-Raceway)	51.7
G2 – Heat Generation Factor (Rib-Roller End)	19.5
Cg – Geometry Factor	0.0947