

# NACHI 22314AEXK cylindrical roller bearings

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Series	M249700
Cone Part Number	M249734H
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	449000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	116000 lbf
d	9.1250 in
B – Cone Width	2.8125 in
R – Cone Backface To Clear Radius <sup>3</sup>	0.25 in
da – Cone Frontface Backing Diameter	10.04 in
db – Cone Backface Backing Diameter	10.43 in
Ab – Cage-Cone Frontface Clearance	0.17 in
Aa – Cage-Cone Backface Clearance	0.28 in
a – Effective Center Location <sup>4</sup>	-0.27 in
C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	66900 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	258000 lbf
C0 – Static Radial Rating	416000 lbf

Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	38100 lbf
K – Factor <sup>8</sup>	1.76
G1 – Heat Generation Factor (Roller-Raceway)	1626
G2 – Heat Generation Factor (Rib-Roller End)	173
Cg – Geometry Factor	0.153