

# NACHI 24040E cylindrical roller bearings

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Series	30216
Cone Part Number	XUA30216
Cup Part Number	Y30216
Design Units	METRIC
Bearing Weight	2 Kg
Cage Type	Stamped Steel
d	70 mm
D	140.000 mm
B – Cone Width	30.550 mm
C – Cup Width	22.000 mm
B	28.250 mm
R – Cone Backface To Clear Radius <sup>1</sup>	2.540 mm
r – Cup Backface To Clear Radius <sup>2</sup>	2.03 mm
da – Cone Frontface Backing Diameter	82.04 mm
db – Cone Backface Backing Diameter	86.11 mm
Da – Cup Frontface Backing Diameter	133.35 mm
Db – Cup Backface Backing Diameter	127.00 mm
Ab – Cage-Cone Frontface Clearance	0 mm
Aa – Cage-Cone Backface Clearance	1 mm
a – Effective Center Location <sup>3</sup>	0 mm

C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	42400 N
C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	164000 N
C0 – Static Radial Rating	187000 N
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	30500 N
K – Factor <sup>7</sup>	1.39
e – ISO Factor <sup>8</sup>	0.42
Y – ISO Factor <sup>9</sup>	1.43
G1 – Heat Generation Factor (Roller-Raceway)	80.7
G2 – Heat Generation Factor (Rib-Roller End)	28.4
Cg – Geometry Factor	0.0771