

# NSK RS-5032NR cylindrical roller bearings

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Series	HH249900
Cone Part Number	HH249949V
Cup Part Number	HH249910
Design Units	Imperial
Bearing Weight	60.600 Kg
Cage Type	Pin-Type
d	247.650 mm
D	406.400 mm
B – Cone Width	117.475 mm
C – Cup Width	93.663 mm
B	115.888 mm
R – Cone Backface To Clear Radius <sup>1</sup>	6.35 mm
r – Cup Backface To Clear Radius <sup>2</sup>	6.35 mm
da – Cone Frontface Backing Diameter	275.08 mm
db – Cone Backface Backing Diameter	283.97 mm
Da – Cup Frontface Backing Diameter	383.54 mm
Db – Cup Backface Backing Diameter	366.01 mm
Ab – Cage-Cone Frontface Clearance	6.1 mm
Aa – Cage-Cone Backface Clearance	7.1 mm
a – Effective Center Location <sup>3</sup>	-28.7 mm
C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	121000 lbf

C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	468000 lbf
C0 – Static Radial Rating	846000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	69000 lbf
K – Factor <sup>7</sup>	1.76
e – ISO Factor <sup>8</sup>	0.33
Y – ISO Factor <sup>9</sup>	1.8
G1 – Heat Generation Factor (Roller-Raceway)	2373.9
G2 – Heat Generation Factor (Rib-Roller End)	173.3
Cg – Geometry Factor	0.175