

NACHI NJ 204 E cylindrical roller bearings

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Series	02800
Cone Part Number	02872
Cup Part Number	02820
Design Units	Imperial
Bearing Weight	0.5 Kg
Cage Type	Stamped Steel
d	28.575 mm
D	73.025 mm
B – Cone Width	22.225 mm
C – Cup Width	17.463 mm
B	22.225 mm
R – Cone Backface To Clear Radius ¹	0.760 mm
r – Cup Backface To Clear Radius ²	3.30 mm
da – Cone Frontface Backing Diameter	37.08 mm
db – Cone Backface Backing Diameter	37.59 mm
Da – Cup Frontface Backing Diameter	68.10 mm
Db – Cup Backface Backing Diameter	61.98 mm
Ab – Cage-Cone Frontface Clearance	1.8 mm
Aa – Cage-Cone Backface Clearance	0.8 mm
a – Effective Center Location ³	-3.8 mm
C90 – Dynamic Radial Rating (90 million revolutions) ⁴	3830 lbf

C1 – Dynamic Radial Rating (1 million revolutions) ⁵	14800 lbf
C0 – Static Radial Rating	16800 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	2980 lbf
K – Factor ⁷	1.29
e – ISO Factor ⁸	0.45
Y – ISO Factor ⁹	1.32
G1 – Heat Generation Factor (Roller-Raceway)	20.6
G2 – Heat Generation Factor (Rib-Roller End)	10.1
Cg – Geometry Factor	0.074