

# NTN 5S-7214UCG/GNP42 angular contact ball bearings

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Series	07000
Cone Part Number	07093
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	11400 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	2950 lbf
d	0.9375 in
B – Cone Width	0.5614 in
R – Cone Backface To Clear Radius <sup>3</sup>	0.06 in
da – Cone Frontface Backing Diameter	1.12 in
db – Cone Backface Backing Diameter	1.2 in
Ab – Cage-Cone Frontface Clearance	0.08 in
Aa – Cage-Cone Backface Clearance	0 in
a – Effective Center Location <sup>4</sup>	-0.11 in
C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	1700 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	6540 lbf
C0 – Static Radial Rating	6650 lbf

Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	1170 lbf
K – Factor <sup>8</sup>	1.45
G1 – Heat Generation Factor (Roller-Raceway)	7.6
G2 – Heat Generation Factor (Rib-Roller End)	7.07
Cg – Geometry Factor	0.0509