

# INA NK38/20-XL needle roller bearings

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Series	430000
Cone Part Number	EE430888
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions)1	440000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions)2	114000 lbf
d	8.875 in
B – Cone Width	3.4375 in
R – Cone Backface To Clear Radius3	0.06 in
da – Cone Frontface Backing Diameter	9.88 in
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Ab – Cage-Cone Frontface Clearance	0.11 in
Aa – Cage-Cone Backface Clearance	0.55 in
a – Effective Center Location4	-0.19 in
C90 – Dynamic Radial Rating (90 million revolutions)5	65500 lbf
C1 – Dynamic Radial Rating (1 million revolutions)6	253000 lbf
C0 – Static Radial Rating	432000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions)7	49300 lbf

K – Factor <sub>8</sub>	1.33
G1 – Heat Generation Factor (Roller-Raceway)	1350
G2 – Heat Generation Factor (Rib-Roller End)	143
Cg – Geometry Factor	0.157