

Toyana NJ3196 cylindrical roller bearings

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Series	420000
Cone Part Number	EE420812X
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	432000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	112000 lbf
d	8.1250 in
B – Cone Width	3.4999 in
R – Cone Backface To Clear Radius ³	0.25 in
da – Cone Frontface Backing Diameter	9.02 in
db – Cone Backface Backing Diameter	9.41 in
Ab – Cage-Cone Frontface Clearance	0.14 in
Aa – Cage-Cone Backface Clearance	0.72 in
a – Effective Center Location ⁴	-0.61 in
C90 – Dynamic Radial Rating (90 million revolutions) ⁵	64300 lbf
C1 – Dynamic Radial Rating (1 million revolutions) ⁶	248000 lbf
C0 – Static Radial Rating	409000 lbf

Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁷	44200 lbf
K – Factor ⁸	1.45
G1 – Heat Generation Factor (Roller-Raceway)	1150.5
G2 – Heat Generation Factor (Rib-Roller End)	128.2
Cg – Geometry Factor	0.145