

Timken RNA4904 needle roller bearings

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Cone Part Number	EE390090
Design Units	Imperial
Cage Type	Pin-Type
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	656000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	170000 lbf
d	9.0000 in
B – Cone Width	3.7500 in
R – Cone Backface To Clear Radius ³	0.25 in
da – Cone Frontface Backing Diameter	10.91 in
db – Cone Backface Backing Diameter	11.3 in
Ab – Cage-Cone Frontface Clearance	0.74 in
Aa – Cage-Cone Backface Clearance	0.9 in
a – Effective Center Location ⁴	1.95 in
C90 – Dynamic Radial Rating (90 million revolutions) ⁵	97700 lbf
C1 – Dynamic Radial Rating (1 million revolutions) ⁶	377000 lbf
C0 – Static Radial Rating	473000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁷	157000 lbf

K – Factor8	0.62
G1 – Heat Generation Factor (Roller-Raceway)	1260
G2 – Heat Generation Factor (Rib-Roller End)	106
Cg – Geometry Factor	0.191