

# INA BXRE003-2RSR needle roller bearings

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|   |               |
|---|---------------|
| Cone Part Number  | 46150         |
| Design Units  | Imperial      |
| Cage Type   | Stamped Steel |
| C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>      | 50600 lbf     |
| C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup> | 13100 lbf     |
| d   | 1.5 in        |
| B – Cone Width  | 1.2500 in     |
| R – Cone Backface To Clear Radius <sup>3</sup>                                | 0.03 in       |
| da – Cone Frontface Backing Diameter  | 1.93 in       |
| db – Cone Backface Backing Diameter   | 1.97 in       |
| Ab – Cage-Cone Frontface Clearance  | 0.08 in       |
| Aa – Cage-Cone Backface Clearance   | 0.06 in       |
| a – Effective Center Location <sup>4</sup>                                    | -0.31 in      |
| C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>             | 7540 lbf      |
| C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>               | 29100 lbf     |
| C0 – Static Radial Rating   | 35500 lbf     |
| Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>            | 5190 lbf      |

|  |       |
|--|-------|
| K – Factor8                                  | 1.45  |
| G1 – Heat Generation Factor (Roller-Raceway) | 44.4  |
| G2 – Heat Generation Factor (Rib-Roller End) | 13.6  |
| Cg – Geometry Factor                         | 0.092 |