

# SNR 7214BA angular contact ball bearings

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|   |               |
|---|---------------|
| Series  | 32214         |
| Cone Part Number  | X32214        |
| Design Units  | METRIC        |
| Cage Type   | Stamped Steel |
| C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>      | 84600 lbf     |
| C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup> | 21900 lbf     |
| d   | 70 mm         |
| B – Cone Width  | 31.000 mm     |
| WPD   | 117 mm        |
| DD  | 105.2 mm      |
| R – Cone Backface To Clear Radius <sup>3</sup>                                | 2.030 mm      |
| da – Cone Frontface Backing Diameter  | 79 mm         |
| db – Cone Backface Backing Diameter   | 82 mm         |
| Ab – Cage-Cone Frontface Clearance  | 4.1 mm        |
| Aa – Cage-Cone Backface Clearance   | 2.8 mm        |
| a – Effective Center Location <sup>4</sup>                                    | -4.6 mm       |
| C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>             | 56000 N       |
| C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>               | 216000 N      |
| C0 – Static Radial Rating   | 224000 N      |

|  |         |
|--|---------|
| Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup> | 40300 N |
| K – Factor <sup>8</sup>  | 1.39    |
| G1 – Heat Generation Factor (Roller-Raceway)                       | 81.4    |
| G2 – Heat Generation Factor (Rib-Roller End)                       | 25.6    |
| Cg – Geometry Factor   | 0.0779  |