

# KOYO 6204 2RD C3 deep groove ball bearings

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|   |               |
|---|---------------|
| Series  | HH221400      |
| Cone Part Number  | JHH221437P    |
| Cup Part Number   | JHH221413     |
| Design Units  | METRIC        |
| Bearing Weight  | 8.3 Kg        |
| Cage Type   | Stamped Steel |
| d   | 90 mm         |
| D   | 190 mm        |
| B – Cone Width  | 65.500 mm     |
| C – Cup Width   | 46.038 mm     |
| B   | 65.000 mm     |
| R – Cone Backface To Clear Radius <sup>1</sup>                    | 4.060 mm      |
| r – Cup Backface To Clear Radius <sup>2</sup>                     | 3.30 mm       |
| da – Cone Frontface Backing Diameter                              | 109.98 mm     |
| db – Cone Backface Backing Diameter                               | 118.11 mm     |
| Da – Cup Frontface Backing Diameter                               | 179.10 mm     |
| Db – Cup Backface Backing Diameter                                | 170.94 mm     |
| Ab – Cage-Cone Frontface Clearance                                | 3.8 mm        |
| Aa – Cage-Cone Backface Clearance                                 | 9.9 mm        |
| a – Effective Center Location <sup>3</sup>                        | -22.9 mm      |
| C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup> | 150000 N      |

|  |          |
|--|----------|
| C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>    | 578000 N |
| C0 – Static Radial Rating  | 692000 N |
| Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup> | 85900 N  |
| K – Factor <sup>7</sup>  | 1.74     |
| e – ISO Factor <sup>8</sup>  | 0.33     |
| Y – ISO Factor <sup>9</sup>  | 1.79     |
| G1 – Heat Generation Factor (Roller-Raceway)                       | 265.6    |
| G2 – Heat Generation Factor (Rib-Roller End)                       | 28.4     |
| Cg – Geometry Factor   | 0.107    |