

# KOYO 30315CR tapered roller bearings

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|   |               |
|---|---------------|
| Cone Part Number  | M38545        |
| Design Units  | Imperial      |
| Cage Type   | Stamped Steel |
| C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>      | 24400 lbf     |
| C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup> | 6330 lbf      |
| d   | 1.3125 in     |
| B – Cone Width  | 0.8125 in     |
| R – Cone Backface To Clear Radius <sup>3</sup>                                | 0.14 in       |
| da – Cone Frontface Backing Diameter  | 1.54 in       |
| db – Cone Backface Backing Diameter   | 1.77 in       |
| Ab – Cage-Cone Frontface Clearance  | 0.13 in       |
| Aa – Cage-Cone Backface Clearance   | -0.01 in      |
| a – Effective Center Location <sup>4</sup>                                    | -0.22 in      |
| C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>             | 3640 lbf      |
| C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>               | 14000 lbf     |
| C0 – Static Radial Rating   | 16400 lbf     |
| Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>            | 2200 lbf      |

|  |       |
|--|-------|
| K – Factor8                                  | 1.66  |
| G1 – Heat Generation Factor (Roller-Raceway) | 20.3  |
| G2 – Heat Generation Factor (Rib-Roller End) | 12.9  |
| Cg – Geometry Factor                         | 0.068 |