

# NTN PK25X32X15.8 needle roller bearings

NTN PK25X32X15.8 needle roller bearings SEARCH – Whether it's agriculture or 05000 Series construction equipment your working on, Has the you need.

|   |               |
|---|---------------|
| Series  | 05000         |
| Cone Part Number  | 05075X        |
| Cup Part Number   | 05185-S       |
| Design Units  | Imperial      |
| Bearing Weight  | 0.10 Kg       |
| Cage Type   | Stamped Steel |
| d   | 19.050 mm     |
| D   | 47.000 mm     |
| B – Cone Width  | 14.381 mm     |
| C – Cup Width   | 11.113 mm     |
| B   | 14.381 mm     |
| R – Cone Backface To Clear Radius <sup>1</sup>                    | 1.520 mm      |
| r – Cup Backface To Clear Radius <sup>2</sup>                     | 1.52 mm       |
| da – Cone Frontface Backing Diameter                              | 23.62 mm      |
| db – Cone Backface Backing Diameter                               | 25.4 mm       |
| Da – Cup Frontface Backing Diameter                               | 42.93 mm      |
| Db – Cup Backface Backing Diameter                                | 40.39 mm      |
| Ab – Cage-Cone Frontface Clearance                                | 1.8 mm        |
| Aa – Cage-Cone Backface Clearance                                 | -0.3 mm       |
| a – Effective Center Location <sup>3</sup>                        | -4.1 mm       |
| C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup> | 1560 lbf      |

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| C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>    | 6010 lbf |
| C0 – Static Radial Rating  | 5720 lbf |
| Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup> | 952 lbf  |
| K – Factor <sup>7</sup>  | 1.64     |
| e – ISO Factor <sup>8</sup>  | 0.36     |
| Y – ISO Factor <sup>9</sup>  | 1.68     |
| G1 – Heat Generation Factor (Roller-Raceway)                       | 5.8      |
| G2 – Heat Generation Factor (Rib-Roller End)                       | 5.55     |
| Cg – Geometry Factor   | 0.0448   |