

NSK FJL-2830L needle roller bearings

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| Series | 34000 |
| Cone Part Number | 34301 |
| Cup Part Number | 34481-B |
| Design Units | Imperial |
| Bearing Weight | 1.7 lb |
| Cage Type | Stamped Steel |
| d | 3 in |
| D | 4.8125 in |
| D1 – Flange Outer Diameter | 4.9961 in |
| B – Cone Width | 0.9060 in |
| C – Cup Width | 0.8437 in |
| C1 – Cup Flange Width | 0.1875 in |
| T1 – Bearing Width | 0.9688 in |
| T – Bearing Width to Flange | 0.3126 in |
| R – Cone Backface To Clear Radius1 | 0.14 in |
| r – Cup Backface To Clear Radius2 | 0.08 in |
| da – Cone Frontface Backing Diameter | 3.27 in |
| db – Cone Backface Backing Diameter | 3.5 in |
| Da – Cup Frontface Backing Diameter | 4.67 in |
| Ab – Cage-Cone Frontface Clearance | 0.1 in |
| Aa – Cage-Cone Backface Clearance | 0.09 in |
| a – Effective Center Location3 | 0.06 in |

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| C90 – Dynamic Radial Rating (90 million revolutions) ⁴ | 5960 lbf |
| C1 – Dynamic Radial Rating (1 million revolutions) ⁵ | 23000 lbf |
| C0 – Static Radial Rating | 30600 lbf |
| Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶ | 4600 lbf |
| K – Factor ⁷ | 1.3 |
| e – ISO Factor ⁸ | 0.45 |
| Y – ISO Factor ⁹ | 1.33 |
| G1 – Heat Generation Factor (Roller-Raceway) ¹⁰ | 69.3 |
| G2 – Heat Generation Factor (Rib-Roller End) | 27 |
| Cg – Geometry Factor ¹¹ | 0.109 |