

# NKX50 INA Product Group – BDI B04144 50x62x35mm Complex bearings

|                                    |   |
|------------------------------------|---|
| Bearing number                     | NKX50                                     |
| Size (mm)                          | 50x62x35                                  |
| Brand                              | INA                                       |
| Bore Diameter (mm)                 | 50  |
| Outer Diameter (mm)                | 62  |
| Width (mm)                         | 35  |
| $F_w$                              | 50 mm                                     |
| D                                  | 62 mm                                     |
| C – 35 mm / Tolerance:<br>-0,25    | 35 mm / Tolerance: 0.25                   |
| $C_1$ – 14 mm / Tolerance:<br>-0,2 | 14 mm / Tolerance: 0.2                    |
| $C_2$                              | 10 mm                                     |
| $D_{1\ max}$                       | 70.2 mm                                   |
| $d_a$                              | 65.5 mm                                   |
| $d_w$                              | 50 mm / Tolerance: E8                     |
| $r_{a\ max}$                       | 0.6 mm                                    |
| $r_{min}$                          | 0.6 mm                                    |
|                                    | NAXK50 / Designation to DIN 5429          |
| m                                  | 280 g / Weight                            |
| $C_r$                              | 43000 N / Dynamic load rating<br>(radial) |
| $C_{0r}$                           | 74000 N / Static load rating (radial)     |

|                            |  |
|----------------------------|--|
| $C_a$                      | 29000 N / Dynamic load rating (axial)  |
| $C_{0a}$                   | 75000 N / Static load rating (axial)   |
| $C_{ur}$                   | 12700 N / Fatigue limit load. radial   |
| $C_{ua}$                   | 3650 N / Fatigue limit load. axial   |
| $n_G$                      | 3300 1/min / Limiting speed  |
|                            | IR45X50X25 / Suitable inner ring   |
| Category                   | Thrust Roller Bearing  |
| BDI Inventory              | 0.0  |
| Manufacturer Name          | SCHAEFFLER GROUP   |
| Minimum Buy Quantity       | N/A  |
| Weight / Kilogram          | 0.28   |
| EAN                        | 4026677319821  |
| Product Group – BDI        | B04144   |
| Rolling Element            | Combination – Needle Roller and Thrust Ball Bearing  |
| Self Aligning              | No   |
| Component Description      | Roller Assembly plus Raceways  |
| Thrust Bearing             | Yes  |
| Single or Double Direction | Single Direction   |
| Banded                     | No   |
| Cage Material              | Steel  |
| Precision Class            | ABEC 1   ISO P0  |
| Long Description           | 50MM Bore 1; 50MM Bore 2; 62MM Outside Diameter; 35MM Height; Combination – Needle Roller and Thrust Ball Bearing; Single Direction; Not Self Aligning; Not Banded; Steel Cage; ABEC 1   ISO P0; Roller Assembly plus Raceways |

|                                     |   |
|-------------------------------------|---|
| Inch – Metric                       | Metric  |
| Category – BDI                      | Thrust Roller Bearings                              |
| UNSPSC                              | 31171537  |
| Harmonized Tariff Code              | 8482.80.00.40                                       |
| Noun                                | Bearing   |
| Keyword String                      | Combination   |
| Manufacturer URL                    | <a href="http://www.ina.com">http://www.ina.com</a> |
| Manufacturer Item Number            | NKX50   |
| Weight / LBS                        | 0.617   |
| Height                              | 1.378 Inch   35 Millimeter                          |
| Overall Height with Aligning Washer | 0 Inch   0 Millimeter                               |
| Outside Diameter                    | 2.441 Inch   62 Millimeter                          |
| Bore 1                              | 1.969 Inch   50 Millimeter                          |
| Bore 2                              | 1.969 Inch   50 Millimeter                          |