



## Precision accessories MFG.CORP



### 50 mm x 80 mm x 40 mm SKF NNF 5010 ADB-2LSV Cylindrical Roller Bearings

Bearing No. NNF 5010 ADB-2LSV

NNF 5010 ADB-2LSV Bearing 2D drawings and 3D  
CAD models

|                           |   |
|---------------------------|---|
| Category                  | Cylindrical Roller Bearings   |
| Inventory                 | 0.0   |
| Manufacturer Name         | SKF   |
| Minimum Buy Quantity      | N/A   |
| Weight                    | 0.753   |
| EAN                       | 7316572507759   |
| Product Group             | B04144  |
| Bore Profile              | Straight  |
| Cage Material             | None  |
| Precision Class           | RBEC 1   ISO P0   |
| Number of Rows of Rollers | Double Row  |
| Separable                 | No  |
| Rolling Element           | Cylindrical Roller Bearing  |
| Profile                   | Complete with Outer and Inner Ring  |
| Snap Ring                 | Yes   |
| Internal Clearance        | C0-Medium   |
| Retainer                  | No  |
| Relubricatable            | Yes   |
| Inch - Metric             | Metric  |
| Other Features            | Full Complement   3 Rib Inner Ring   1 Rib Outer Ring   Seal on Both Sides  |
| Long Description          | 50MM Bore; Straight Bore Profile; 80MM Outside Diameter; 40MM Width; RBEC 1   ISO P0; Double Row; Not Separable; Snap |



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|                                 |   |
|---------------------------------|---|
|                                 | Ring; Relubricatable;<br>C0-Medium Internal<br>Clearance; No Retainer |
| Category                        | Cylindrical Roller Bearing  |
| UNSPSC                          | 31171547  |
| Harmonized Tariff Code          | 8482.50.00.00   |
| Noun                            | Bearing   |
| Manufacturer URL                | <a href="http://www.skf.com">http://www.skf.com</a>                   |
| Manufacturer Item Number        | NNF 5010 ADB-2LSV   |
| Weight / LBS                    | 1.658   |
| d                               | 1.969 Inch   50 Millimeter  |
| D                               | 3.15 Inch   80 Millimeter   |
| B                               | 1.575 Inch   40 Millimeter  |
| bore diameter:                  | 50 mm   |
| static load capacity:           | 160 kN  |
| outside diameter:               | 80 mm   |
| precision rating:               | Not Rated   |
| overall width:                  | 40 mm   |
| maximum rpm:                    | 1700 RPM  |
| flanges:                        | Two-Piece Inner Ring  |
| cage material:                  | No Cage   |
| bore type:                      | Straight  |
| finish/coating:                 | Uncoated  |
| number of rows:                 | 2   |
| closure type:                   | Double Seal   |
| internal clearance:             | C0  |
| outer ring width:               | 40 mm   |
| ring separation:                | Non-Separable   |
| fillet radius:                  | 0.4 mm  |
| operating temperature<br>range: | Maximum of +300 ° F   |
| series:                         | NNF50   |
| dynamic load capacity:          | 108 kN  |
|                                 |   |



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|   |            |
|---|------------|
| d                                       | 50 mm      |
| D                                       | 80 mm      |
| B                                       | 40 mm      |
| C                                       | 39 mm      |
| d <sub>1</sub>                          | 61.8 mm    |
| D <sub>3</sub>                          | 77.8 mm    |
| C <sub>1</sub>                          | 34.2 mm    |
| +                                       | 0.2 mm     |
| C <sub>2</sub>                          | 2.4 mm     |
| b                                       | 2.7 mm     |
| b <sub>1</sub>                          | 8.5 mm     |
| K                                       | 4.5 mm     |
| r min.                                  | 0.8 mm     |
| r <sub>3,4</sub> min.                   | 0.6 mm     |
| d <sub>a</sub> min.                     | 54 mm      |
| d <sub>as</sub>                         | 59.5 mm    |
| C <sub>a1</sub>                         | 30 mm      |
| -                                       | 0.2 mm     |
| C <sub>a2</sub>                         | 29 mm      |
| -                                       | 0.2 mm     |
| r <sub>a</sub> max.                     | 0.4 mm     |
| Basic dynamic load rating C             | 108 kN     |
| Basic static load rating C <sub>0</sub> | 160 kN     |
| Fatigue load limit P <sub>u</sub>       | 18.6 kN    |
| Limiting speed                          | 1700 r/min |
| Calculation factor k <sub>r</sub>       | 0.4        |
| Mass bearing                            | 0.76 kg    |
| Snap ring Seeger                        | SW 80      |
| Snap ring in accordance with DIN 471    | 80x2.5     |