



# NTN BEARING CORP.OF AMERICA



2.756 Inch | 70 Millimeter x 5.906 Inch | 150  
 Millimeter x 1.378 Inch | 35 Millimeter SKF NJ 314  
 ECM/C4VA301 Cylindrical Roller Bearings

Bearing No. NJ 314 ECM/C4VA301

NJ 314 ECM/C4VA301 Bearing 2D drawings and 3D  
 CAD models

|                           |  |
|---------------------------|--|
| Category                  | Cylindrical Roller Bearings  |
| Inventory                 | 0.0  |
| Manufacturer Name         | SKF  |
| Minimum Buy Quantity      | N/A  |
| Weight                    | 3.276  |
| EAN                       | 7316576626050  |
| Product Group             | B04144   |
| Bore Profile              | Straight   |
| Cage Material             | Brass  |
| Precision Class           | RBEC 1   ISO P0  |
| Number of Rows of Rollers | Single Row   |
| Separable                 | Inner Ring - One Side  |
| Rolling Element           | Cylindrical Roller Bearing   |
| Profile                   | Complete with Outer and Inner Ring   |
| Snap Ring                 | No   |
| Internal Clearance        | C4-Extra Loose   |
| Retainer                  | Yes  |
| Relubricatable            | Yes  |
| Inch - Metric             | Metric   |
| Other Features            | High Capacity   1 Rib Inner Ring   2 Rib Outer Ring   Bearing for Railway Vehicle Traction Motor   Cage on Outer Ring ID |
| Long Description          | 70MM Bore; Straight Bore   |



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|                          |  |
|--------------------------|--|
|                          | Profile; 150MM Outside Diameter; 35MM Width; Brass Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable; C4-Extra Loose I |
| 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 | NJ 314 ECM/C4VA301   |
| Weight / LBS             | 7.216  |
| d                        | 2.756 Inch   70 Millimeter   |
| B                        | 1.378 Inch   35 Millimeter   |
| D                        | 5.906 Inch   150 Millimeter  |
| bore diameter:           | 70 mm  |
| static load capacity:    | 228 kN   |
| outside diameter:        | 150 mm   |
| precision rating:        | Not Rated  |
| overall width:           | 35 mm  |
| maximum rpm:             | 5600 RPM   |
| flanges:                 | (2) Outer Ring, (1) Inner Ring   |
| bearing material:        | Steel  |
| bore type:               | Straight   |
| cage material:           | Brass  |
| number of rows:          | 1  |
| finish/coating:          | Uncoated   |
| internal clearance:      | C4   |
| closure type:            | Open   |
| ring separation:         | Separable Ring   |
| outer ring width:        | 35 mm  |



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|                              |                     |
|------------------------------|---------------------|
| operating temperature range: | Maximum of +300 ° F |
| fillet radius:               | 2 mm                |
| dynamic load capacity:       | 236 kN              |
| series:                      | NJ3                 |