



# AMERICAN BEARING MFG.CORP.

65 mm x 140 mm x 33 mm  
 45TAC75CDDGSUHPN7C Ball Screw Support  
 Ball Bearing 45x75x15mm

Bearing No. NU313EG1C3

NU313EG1C3 Bearing 2D drawings and 3D CAD models

|   |           |
|---|-----------|
| d   | 65 mm     |
| D   | 140 mm    |
| B   | 33 mm     |
| E   | 124.5 mm  |
| F   | 82.5 mm   |
| rs min  | 2.1 mm    |
| r1s min                                       | 2.1 mm    |
| Radial clearance class                        | C3        |
| Mass (without HJ ring)                        | 2.44 kg   |
| Dynamic load, C                               | 181 kN    |
| Static load, C0                               | 191 kN    |
| Fatigue limit load, Cu                        | 23.1 kN   |
| Nlim (oil)                                    | 5,400 rpm |
| Nlim (grease)                                 | 4,600 rpm |
| Min operating temperature, Tmin               | -40 ° C   |
| Max operating temperature, Tmax               | 120 ° C   |
| Characteristic cage frequency, FTF            | 0.4 Hz    |
| Characteristic rolling element frequency, BSF | 4.73 Hz   |
| Characteristic outer ring frequency, BPF0     | 5.18 Hz   |
| Characteristic inner ring frequency, BPF1     | 7.82 Hz   |
|   |           |



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|                           |   |
|---------------------------|---|
| da min                    | 76 mm   |
| da max                    | 81 mm   |
| db min                    | 85 mm   |
| Da max                    | 129 mm  |
| ra max                    | 2 mm  |
| r1a max                   | 2 mm  |
| Category                  | Cylindrical Roller Bearings   |
| Inventory                 | 0.0   |
| Manufacturer Name         | NTN   |
| Minimum Buy Quantity      | N/A   |
| Weight / Kilogram         | 2.38  |
| EAN                       | 4547359146615   |
| 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 - Both Sides   |
| Rolling Element           | Cylindrical Roller Bearing  |
| Profile                   | Complete with Outer and Inner Ring  |
| Snap Ring                 | No  |
| Internal Clearance        | C3-Loose  |
| Retainer                  | Yes   |
| Relubricatable            | Yes   |
| Inch - Metric             | Metric  |
| Other Features            | High Capacity   Plain Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID   |
| Long Description          | 65MM Bore; Straight Bore Profile; 140MM Outside Diameter; 33MM Width; Brass Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - Both Sides |



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|                                 |   |
|---------------------------------|---|
|                                 | Separable; No Snap Ring;<br>Relubricatable; C3-Loose<br>Inter     |
| Category                        | Cylindrical Roller Bearing  |
| UNSPSC                          | 31171547  |
| Harmonized Tariff Code          | 8482.50.00.00   |
| Noun                            | Bearing   |
| Manufacturer URL                | <a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a> |
| Manufacturer Item Number        | NU313EG1C3  |
| Weight / LBS                    | 5.24  |
| Bore                            | 2.559 Inch   65 Millimeter  |
| Outside Diameter                | 5.512 Inch   140 Millimeter                                       |
| Width                           | 1.299 Inch   33 Millimeter  |
| bore diameter:                  | 65 mm   |
| precision rating:               | ISO Class 0   |
| outside diameter:               | 140 mm  |
| maximum rpm:                    | 5400 rpm  |
| overall width:                  | 33 mm   |
| bearing material:               | Hardened Alloy Steel  |
| flanges:                        | (2) Outer Ring  |
| cage material:                  | High Strength Machined<br>Brass Rivetless w/ square<br>holes      |
| bore type:                      | Straight  |
| finish/coating:                 | Uncoated  |
| number of rows:                 | 1   |
| closure type:                   | Open  |
| internal clearance:             | C3  |
| outer ring width:               | 33 mm   |
| ring separation:                | Separable Inner Ring  |
| fillet radius:                  | 2 mm  |
| operating temperature<br>range: | -40 to 120 ° C  |
|                                 |   |



## AMERICAN BEARING MFG.CORP.

|                            |                            |
|----------------------------|----------------------------|
| series:                    | NU                         |
| dynamic load capacity:     | 181000 N                   |
| manufacturer product page: | <a href="#">Click here</a> |
| static load capacity:      | 191000 N                   |