



## BEARING PRECISION AXLE CORP.



6013LU Bearing 2D drawings and 3D CAD models

65,000 mm x 100,000 mm x 18,000 mm NTN  
6013LU deep groove ball bearings

Bearing No. 6013LU

|   |              |
|---|--------------|
| Size  | 65x100x18 mm |
| Bore Diameter                                 | 65,000 mm    |
| Outer Diameter                                | 100,000 mm   |
| Width   | 18,000 mm    |
| d   | 65,000 mm    |
| D   | 100,000 mm   |
| B   | 18,000 mm    |
| C   | 18,000 mm    |
| rs min  | 1.1 mm       |
| Radial clearance class                        | CN           |
| Mass  | 0.42 kg      |
| Dynamic load, C                               | 30.5 kN      |
| Static load, C0                               | 25.2 kN      |
| Fatigue limit load, Cu                        | 1.15 kN      |
| f0  | 15.8         |
| Nlim (grease)                                 | 3,900 rpm    |
| Min operating temperature, Tmin               | -25 ° C      |
| Max operating temperature, Tmax               | 110 ° C      |
| Characteristic cage frequency, FTF            | 0.44 Hz      |
| Characteristic rolling element frequency, BSF | 7.87 Hz      |
| Characteristic outer ring frequency, BPF0     | 6.56 Hz      |
| Characteristic inner ring                     | 8.44 Hz      |



## BEARING PRECISION AXLE CORP.

|                              |                            |
|------------------------------|----------------------------|
| frequency, BPFI              |                            |
| da min                       | 71.5 mm                    |
| da max                       | 74 mm                      |
| Da max                       | 93.5 mm                    |
| ra max                       | 1 mm                       |
| bore diameter:               | 65 mm                      |
| static load capacity:        | 25200 N                    |
| outside diameter:            | 100 mm                     |
| precision rating:            | ISO Class 0                |
| overall width:               | 18 mm                      |
| finish/coating:              | Uncoated                   |
| bore type:                   | Round                      |
| bearing material:            | High Carbon Chrome Steel   |
| closure type:                | Single Seal                |
| cage material:               | Steel                      |
| row type & fill slot:        | Single Row Non-Fill Slot   |
| inner ring width:            | 18 mm                      |
| snap ring included:          | Without Snap Ring          |
| outer ring width:            | 18 mm                      |
| internal clearance:          | CN                         |
| maximum rpm (grease):        | 3900 rpm                   |
| operating temperature range: | -40 to 120 ° C             |
| fillet radius:               | 1.1 mm                     |
| dynamic load capacity:       | 30500 N                    |
| manufacturer product page:   | <a href="#">Click here</a> |