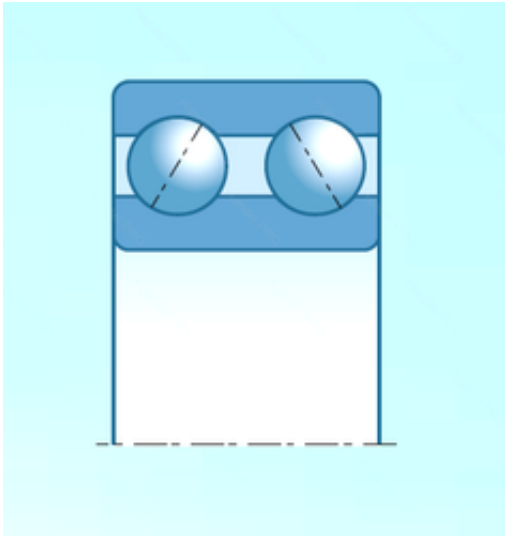




# BEARING CORP.OF AMERICA



70,000 mm x 125,000 mm x 39,700 mm SNR  
5214NRZZG15 Double row angular contact ball  
bearings

Bearing No. 5214NRZZG15

|                        |                  |
|------------------------|------------------|
| Size                   | 70x125x39.700 mm |
| Bore Diameter          | 70,000 mm        |
| Outer Diameter         | 125,000 mm       |
| Width                  | 39,700 mm        |
| d                      | 70,000 mm        |
| D                      | 125,000 mm       |
| B                      | 39,700 mm        |
| C                      | 39,700 mm        |
| d1                     | 86.8 mm          |
| D1                     | 111.5 mm         |
| a                      | 61.6 mm          |
| Contact angle          | 25 °             |
| a min                  | 3.86 mm          |
| a max                  | 4.06 mm          |
| rs min                 | 1.5 mm           |
| rNs min                | 1 mm             |
| D3 max                 | 120.22 mm        |
| b min                  | 3.1 mm           |
| b max                  | 3.4 mm           |
| r0 max                 | 0.6 mm           |
| D4 max                 | 119.6 mm         |
| f                      | 2.77 mm          |
| Snap ring reference    | R 125            |
| Radial clearance class | CN               |
| Precision class        | P0               |

5214NRZZG15 Bearing 2D drawings and 3D CAD  
models



## BEARING CORP.OF AMERICA

|   |           |
|---|-----------|
| Mass  | 1.64 kg   |
| Dynamic load, C                               | 78.4 kN   |
| Static load, C0                               | 76.3 kN   |
| Fatigue limit load, Cu                        | 4.55 kN   |
| f0  | 15.2      |
| Nref  | 4,600 rpm |
| Nlim  | 4,100 rpm |
| Min operating temperature, Tmin               | -20 ° C   |
| Max operating temperature, Tmax               | 120 ° C   |
| Characteristic cage frequency, FTF            | 0.42 Hz   |
| Characteristic rolling element frequency, BSF | 5.94 Hz   |
| Characteristic outer ring frequency, BPF0     | 4.68 Hz   |
| Characteristic inner ring frequency, BPFI     | 6.32 Hz   |
| da min  | 78 mm     |
| da max  | 86.8 mm   |
| Da max  | 117 mm    |
| Ca min  | 6.58 mm   |
| Ca max  | 6.88 mm   |
| ra max  | 1.5 mm    |
| rNa max                                       | 1 mm      |
| Db min  | 121 mm    |