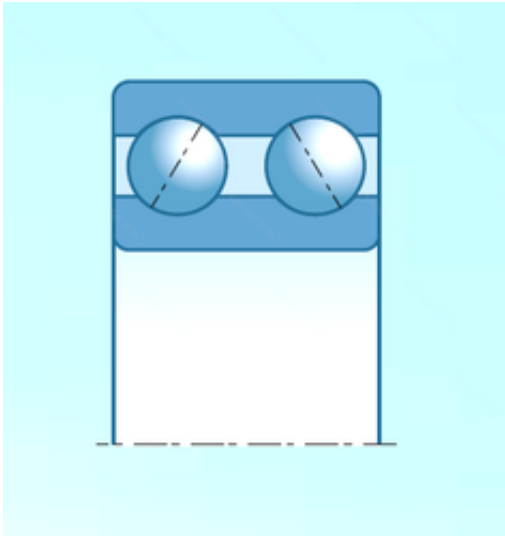




BEARING CORP.OF AMERICA



45,000 mm x 85,000 mm x 30,200 mm SNR
5209NRZZG15 Double row angular contact ball
bearings

Bearing No. 5209NRZZG15

| | |
|------------------------|-----------------|
| Size | 45x85x30.200 mm |
| Bore Diameter | 45,000 mm |
| Outer Diameter | 85,000 mm |
| Width | 30,200 mm |
| d | 45,000 mm |
| D | 85,000 mm |
| B | 30,200 mm |
| C | 30,200 mm |
| d1 | 57.2 mm |
| D1 | 75.4 mm |
| a | 43.2 mm |
| Contact angle | 25 ° |
| a min | 3.07 mm |
| a max | 3.28 mm |
| rs min | 1.1 mm |
| rNs min | 0.6 mm |
| D3 max | 81.81 mm |
| b min | 1.9 mm |
| b max | 2.2 mm |
| r0 max | 0.6 mm |
| D4 max | 91.6 mm |
| f | 1.65 mm |
| Snap ring reference | R 85 |
| Radial clearance class | CN |
| Precision class | P0 |

5209NRZZG15 Bearing 2D drawings and 3D CAD
models



BEARING CORP.OF AMERICA

| | |
|---|-----------|
| Mass | 0.71 kg |
| Dynamic load, C | 45.7 kN |
| Static load, C0 | 37.2 kN |
| Fatigue limit load, Cu | 2.27 kN |
| f0 | 14.6 |
| Nref | 6,500 rpm |
| Nlim | 6,000 rpm |
| Min operating temperature, Tmin | -20 ° C |
| Max operating temperature, Tmax | 120 ° C |
| Characteristic cage frequency, FTF | 0.41 Hz |
| Characteristic rolling element frequency, BSF | 5.04 Hz |
| Characteristic outer ring frequency, BPF0 | 3.72 Hz |
| Characteristic inner ring frequency, BPFI | 5.28 Hz |
| da min | 51.5 mm |
| da max | 57.2 mm |
| Da max | 78.5 mm |
| Ca min | 4.67 mm |
| Ca max | 4.98 mm |
| ra max | 1 mm |
| rNa max | 0.6 mm |
| Db min | 93 mm |