



SNR Bearing Argentina



7220HG1UJ74 Bearing 2D drawings and 3D CAD models

100 mm x 180 mm x 34 mm SNR
7220HG1UJ74 High precision angular contact ball
bearings

Bearing No. 7220HG1UJ74

| | |
|-----------------------------|---------------|
| Size | 100x180x34 mm |
| Bore Diameter | 100 mm |
| Outer Diameter | 180 mm |
| Width | 34 mm |
| d | 100 mm |
| D | 180 mm |
| B | 34 mm |
| C | 34 mm |
| Angle (°) | 20 ° |
| d1 | 127.3 mm |
| D1 | 153 mm |
| D2 | 168 mm |
| a | 50 mm |
| Contact angle | 25 ° |
| rs min | 2.1 mm |
| r1s min | 1.1 mm |
| f0 | 14.82 |
| Precision class | P4 |
| Mass | 3.23 kg |
| Dynamic load, C | 141 kN |
| Static load, C0 | 121 kN |
| Fatigue limit load, Cu | 5.7 kN |
| Nlim (oil) | 10,500 rpm |
| Nlim (grease) | 6,800 rpm |
| Axial displacement K Factor | 0.5 |



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|---|----------------|
| Preload level | 7 |
| Preload value | 1.4 kN |
| Axial rigidity | 320 N/ μ m |
| Radial rigidity | 682 N/ μ m |
| Min operating temperature, T _{min} | -30 ° C |
| Max operating temperature, T _{max} | 120 ° C |
| Characteristic cage frequency, FTF | 0.42 Hz |
| Characteristic rolling element frequency, BSF | 5.36 Hz |
| Characteristic outer ring frequency, BPF0 | 5.85 Hz |
| Characteristic inner ring frequency, BPFI | 8.15 Hz |
| da min | 112 mm |
| db min | 112 mm |
| Da max | 168 mm |
| Db max | 168 mm |
| r1a max | 1 mm |
| ra max | 2 mm |
| D6 | 131 mm |