



JAPAN IMPORTED BEARINGS CO., LTD



60 mm x 110 mm x 22 mm SNR 7212HG1UJ74
angular contact ball bearings

Bearing No. 7212HG1UJ74

7212HG1UJ74 Bearing 2D drawings and 3D CAD
models

| | |
|-----------------------------|--------------|
| Size | 60x110x22 mm |
| Bore Diameter | 60 mm |
| Outer Diameter | 110 mm |
| Width | 22 mm |
| d | 60 mm |
| D | 110 mm |
| B | 22 mm |
| C | 22 mm |
| Angle (°) | 20 ° |
| d1 | 76 mm |
| D1 | 95.5 mm |
| D2 | 103.05 mm |
| a | 31 mm |
| Contact angle | 25 ° |
| rs min | 1.5 mm |
| r1s min | 1 mm |
| f0 | 14.74 |
| Precision class | P4 |
| Mass | 0.81 kg |
| Dynamic load, C | 64 kN |
| Static load, C0 | 50.5 kN |
| Fatigue limit load, Cu | 2.8 kN |
| Nlim (oil) | 17,000 rpm |
| Nlim (grease) | 11,000 rpm |
| Axial displacement K Factor | 0.54 |
| | |



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|--|----------------|
| Preload level | 7 |
| Preload value | 0.56 kN |
| Axial rigidity | 214 N/ μ m |
| Radial rigidity | 455 N/ μ m |
| Min operating temperature, Tmin | -30 ° C |
| Max operating temperature, Tmax | 120 ° C |
| Characteristic cage frequency, FTF | 0.42 Hz |
| Characteristic rolling element frequency, BSF | 5.25 Hz |
| Characteristic outer ring frequency, BPF0 | 6.24 Hz |
| Characteristic inner ring frequency, BPFI | 8.76 Hz |
| da min | 68.5 mm |
| db min | 68.5 mm |
| Da max | 101.5 mm |
| Db max | 101.5 mm |
| r1a max | 1 mm |
| ra max | 1.5 mm |
| D6 | 81.5 mm |