



BEARING PRECISION AXLE CORP.



65 mm x 90 mm x 13 mm SNR 71913CVUJ74
Angular contact ball bearings

Bearing No. 71913CVUJ74

71913CVUJ74 Bearing 2D drawings and 3D CAD models

| | |
|-----------------------------|-------------|
| Size | 65x90x13 mm |
| Bore Diameter | 65 mm |
| Outer Diameter | 90 mm |
| Width | 13 mm |
| d | 65 mm |
| D | 90 mm |
| B | 13 mm |
| C | 13 mm |
| Angle (°) | 15 ° |
| d1 | 73.1 mm |
| D1 | 81.9 mm |
| D2 | 85.19 mm |
| a | 17 mm |
| Contact angle | 15 ° |
| rs min | 1 mm |
| r1s min | 0.3 mm |
| f0 | 16.66 |
| Precision class | P4 |
| Mass | 0.21 kg |
| Dynamic load, C | 19.4 kN |
| Static load, C0 | 19.7 kN |
| Fatigue limit load, Cu | 1.04 kN |
| Nlim (oil) | 23,000 rpm |
| Nlim (grease) | 15,000 rpm |
| Axial displacement K Factor | 1.14 |
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|--|----------------|
| Preload level | 7 |
| Preload value | 0.1 kN |
| Axial rigidity | 59 N/ μ m |
| Radial rigidity | 347 N/ μ m |
| Min operating temperature, Tmin | -30 ° C |
| Max operating temperature, Tmax | 120 ° C |
| Characteristic cage frequency, FTF | 0.46 Hz |
| Characteristic rolling element frequency, BSF | 10.76 Hz |
| Characteristic outer ring frequency, BPF0 | 10.93 Hz |
| Characteristic inner ring frequency, BPFI | 13.07 Hz |
| da min | 70.5 mm |
| db min | 70.5 mm |
| Da max | 84.5 mm |
| Db max | 84.5 mm |
| r1a max | 0.3 mm |
| ra max | 1 mm |
| D6 | 75.4 mm |