



SNR Bearing Argentina

45 mm x 75 mm x 16 mm SNR
ML7009CVUJ84S High precision angular contact
ball bearings

Bearing No. ML7009CVUJ84S

| | |
|-----------------------------|------------|
| d | 45 mm |
| D | 75 mm |
| B | 16 mm |
| d1 | 54.7 mm |
| d2 | 52.4 mm |
| D1 | 66.31 mm |
| D2 | 68.46 mm |
| a | 17 mm |
| Contact angle | 17 ° |
| rs min | 1 mm |
| r1s min | 0.6 mm |
| f0 | 8.28 |
| Precision class | P4S |
| Mass | 0.24 kg |
| Dynamic load, C | 10.8 kN |
| Static load, C0 | 7 kN |
| Fatigue limit load, Cu | 0.4 kN |
| Nlim (oil) | 37,000 rpm |
| Nlim (grease) | 27,000 rpm |
| Axial displacement K Factor | 1.23 |
| Preload level | 8 |
| Preload value | 0.16 kN |
| Axial rigidity | 65 N/ μ m |
| Radial rigidity | 308 N/ μ m |
| Min operating temperature, | -30 ° C |

ML7009CVUJ84S Bearing 2D drawings and 3D CAD
models



SNR Bearing Argentina

| | |
|---|----------|
| Tmin | |
| Max operating temperature, Tmax | 120 ° C |
| Characteristic cage frequency, FTF | 0.45 Hz |
| Characteristic rolling element frequency, BSF | 9.16 Hz |
| Characteristic outer ring frequency, BPF0 | 9.86 Hz |
| Characteristic inner ring frequency, BRFI | 12.14 Hz |
| da min | 50.5 mm |
| db min | 50.5 mm |
| Da max | 69.5 mm |
| Db max | 69.5 mm |
| r1a max | 0.6 mm |
| ra max | 1 mm |
| D6 | 56.9 mm |