



SNR CH.7004C.VUJ84 High precision angular contact ball bearings

Bearing No. CH.7004C.VUJ84

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|---------------------------------|------------|
| d | 20 mm |
| D | 42 mm |
| B | 12 mm |
| d1 | 26.6 mm |
| D1 | 35.45 mm |
| D2 | 37.8 mm |
| a | 10 mm |
| Contact angle | 15 ° |
| rs min | 0.6 mm |
| r1s min | 0.3 mm |
| f0 | 14.01 |
| Precision class | P4 |
| Mass | 0.06 kg |
| Dynamic load, C | 11.7 kN |
| Static load, C0 | 7.1 kN |
| Fatigue limit load, Cu | 0.39 kN |
| Nlim (oil) | 71,000 rpm |
| Nlim (grease) | 47,000 rpm |
| Axial displacement K Factor | 1.56 |
| Preload level | 8 |
| Preload value | 0.18 kN |
| Axial rigidity | 60 N/ μ m |
| Radial rigidity | 292 N/ μ m |
| Min operating temperature, Tmin | -30 ° C |
| Max operating temperature, | 120 ° C |

CH.7004C.VUJ84 Bearing 2D drawings and 3D CAD models



Hmg Industriebedarf GmbH

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|---|---------|
| Tmax | |
| Characteristic cage frequency, FTF | 0.4 Hz |
| Characteristic rolling element frequency, BSF | 4.69 Hz |
| Characteristic outer ring frequency, BPF0 | 5.21 Hz |
| Characteristic inner ring frequency, BRFI | 7.79 Hz |
| da min | 24.5 mm |
| db min | 24.5 mm |
| Da max | 37.5 mm |
| Db max | 37.5 mm |
| r1a max | 0.3 mm |
| ra max | 0.6 mm |
| D6 | 29 mm |