

ISO NP1960 cylindrical roller bearings

ISO NP1960 cylindrical roller bearings Needs Analysis ,
Manufacturing Service 80 mm d . Get Your Free. 125 mm D

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|---------------------------------|----------------|
| d | 80 mm |
| D | 125 mm |
| B | 22 mm |
| d1 | 95.2 mm |
| d2 | 91.7 mm |
| D1 | 109.8 mm |
| D2 | 116.9 mm |
| a | 35 mm |
| Contact angle α | 25 ° |
| rs min | 1.1 mm |
| rls min | 0.6 mm |
| f θ | 15.9 |
| Precision class | P42 |
| Mass | 0.86 kg |
| Dynamic load, C | 57.5 kN |
| Static load, C0 | 55 kN |
| Nlim (oil) | 16,000 rpm |
| Nlim (grease) | 9,900 rpm |
| Preload level | GN |
| Preload value | 0.58 kN |
| Axial rigidity | 253 N/ μ m |
| Radial rigidity | 540 N/ μ m |
| Min operating temperature, Tmin | -20 °C |

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|---|----------|
| Max operating temperature, Tmax | 120 °C |
| Characteristic cage frequency, FTF | 0.44 Hz |
| Characteristic rolling element frequency, BSF | 7.49 Hz |
| Characteristic outer ring frequency, BPF0 | 9.25 Hz |
| Characteristic inner ring frequency, BRFI | 11.75 Hz |
| da min | 87 mm |
| Da max | 118 mm |
| Db max | 120.5 mm |
| r1a max | 0.6 mm |
| ra max | 1 mm |
| D6 | 95.4 mm |