



NTN BEARUNG DRIVESHAFT,INC.



50 mm x 72 mm x 12 mm SNR
ML71910HVUJ74S angular contact ball bearings

Bearing No. ML71910HVUJ74S

ML71910HVUJ74S Bearing 2D drawings and 3D CAD models

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|------------------------|-------------|
| Size | 50x72x12 mm |
| Bore Diameter | 50 mm |
| Outer Diameter | 72 mm |
| Width | 12 mm |
| d | 50 mm |
| D | 72 mm |
| B | 12 mm |
| C | 12 mm |
| Angle (°) | 20 ° |
| d1 | 56.8 mm |
| d2 | 54.7 mm |
| D1 | 66.01 mm |
| D2 | 67.51 mm |
| a | 20 mm |
| Contact angle | 25 ° |
| rs min | 0.6 mm |
| r1s min | 0.3 mm |
| f0 | 8.66 |
| Precision class | P4S |
| Mass | 0.13 kg |
| Dynamic load, C | 7.1 kN |
| Static load, C0 | 5.3 kN |
| Fatigue limit load, Cu | 0.34 kN |
| Nlim (oil) | 32,000 rpm |
| Nlim (grease) | 22,000 rpm |
| | |



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|---|----------------|
| Axial displacement K Factor | 0.61 |
| Preload level | 7 |
| Preload value | 0.06 kN |
| Axial rigidity | 90 N/ μ m |
| Radial rigidity | 200 N/ μ m |
| Min operating temperature, T _{min} | -30 ° C |
| Max operating temperature, T _{max} | 120 ° C |
| Characteristic cage frequency, FTF | 0.46 Hz |
| Characteristic rolling element frequency, BSF | 12.47 Hz |
| Characteristic outer ring frequency, BPF0 | 13.92 Hz |
| Characteristic inner ring frequency, BPF1 | 16.08 Hz |
| da min | 54.5 mm |
| db min | 54.5 mm |
| Da max | 67.5 mm |
| Db max | 67.5 mm |
| r1a max | 0.3 mm |
| ra max | 0.6 mm |
| D6 | 58.3 mm |