



SNR Bearing Argentina



ML7007HVUJ74S Bearing 2D drawings and 3D CAD models

35 mm x 62 mm x 14 mm SNR
ML7007HVUJ74S High precision angular contact
ball bearings

Bearing No. ML7007HVUJ74S

| | |
|------------------------|-------------|
| Size | 35x62x14 mm |
| Bore Diameter | 35 mm |
| Outer Diameter | 62 mm |
| Width | 14 mm |
| d | 35 mm |
| D | 62 mm |
| B | 14 mm |
| C | 14 mm |
| Angle (°) | 20 ° |
| d1 | 43.2 mm |
| d2 | 40.9 mm |
| D1 | 54.31 mm |
| D2 | 56.71 mm |
| a | 18 mm |
| Contact angle | 25 ° |
| rs min | 1 mm |
| r1s min | 0.6 mm |
| f0 | 8.05 |
| Precision class | P4S |
| Mass | 0.15 kg |
| Dynamic load, C | 9.9 kN |
| Static load, C0 | 5.9 kN |
| Fatigue limit load, Cu | 0.37 kN |
| Nlim (oil) | 40,000 rpm |
| Nlim (grease) | 28,000 rpm |



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|---|----------------|
| Axial displacement K Factor | 0.73 |
| Preload level | 7 |
| Preload value | 0.08 kN |
| Axial rigidity | 83 N/ μ m |
| Radial rigidity | 184 N/ μ m |
| Min operating temperature, T _{min} | -30 ° C |
| Max operating temperature, T _{max} | 120 ° C |
| Characteristic cage frequency, FTF | 0.44 Hz |
| Characteristic rolling element frequency, BSF | 7.34 Hz |
| Characteristic outer ring frequency, BPF0 | 8.78 Hz |
| Characteristic inner ring frequency, BRFI | 11.22 Hz |
| da min | 40.5 mm |
| db min | 40.5 mm |
| Da max | 56.5 mm |
| Db max | 56.5 mm |
| r1a max | 0.6 mm |
| ra max | 1 mm |
| D6 | 45.5 mm |