



Bearing No. ML7005CVUJ74S

|                 |               |
|-----------------|---------------|
| a               | 11 mm         |
| d               | 25 mm         |
| D               | 47 mm         |
| B               | 12 mm         |
| C               | 12 mm         |
| D6              | 34.2 mm       |
| d2              | 30.25 mm      |
| f0              | 7.74          |
| D1              | 42.65 mm      |
| D2              | 44.25 mm      |
| d1              | 32.2 mm       |
| Mass            | 0.08 kg       |
| Db max          | 42.5 mm       |
| da min          | 29.5 mm       |
| db min          | 29.5 mm       |
| ra max          | 0.6 mm        |
| rs min          | 0.6 mm        |
| Da max          | 42.5 mm       |
| r1s min         | 0.3 mm        |
| r1a max         | 0.3 mm        |
| Size (mm)       | 25x47x12      |
| Width (mm)      | 12            |
| Nlim (oil)      | 61,000 rpm    |
| Preload level   | 7             |
| Nlim (grease)   | 44,000 rpm    |
| Preload value   | 0.035 kN      |
| Axial rigidity  | 30 N/μm       |
| Bearing number  | ML7005CVUJ74S |
| Radial rigidity | 151 N/μm      |
| Dynamic load, C | 7.4 kN        |

|   |         |
|---|---------|
| Precision class                               | P4S     |
| Angle (?)                                     | 15 °    |
| Static load, C0                               | 3.9 kN  |
| Contact angle ?                               | 17 °    |
| Bore Diameter (mm)                            | 25      |
| Outer Diameter (mm)                           | 47      |
| Fatigue limit load, Cu                        | 0.23 kN |
| Axial displacement K Factor                   | 1.53    |
| Min operating temperature, Tmin               | -30 °C  |
| Max operating temperature, Tmax               | 120 °C  |
| Characteristic cage frequency, FTF            | 0.43 Hz |
| Characteristic outer ring frequency, BPF0     | 7.24 Hz |
| Characteristic inner ring frequency, BPF1     | 9.76 Hz |
| Characteristic rolling element frequency, BSF | 6.3 Hz  |