



## NTN Bearing Rolamentos do Brasil Ltda.

45 mm x 75 mm x 16 mm NTN 6009LLU/5K  
Single row deep groove ball bearings

Bearing No. 6009LLU/5K

|   |           |
|---|-----------|
| d   | 45 mm     |
| D   | 75 mm     |
| B   | 16 mm     |
| rs min  | 1 mm      |
| Radial clearance class                        | CN        |
| Mass  | 0.24 kg   |
| Dynamic load, C                               | 21 kN     |
| Static load, C0                               | 15.1 kN   |
| Fatigue limit load, Cu                        | 0.69 kN   |
| f0  | 15.3      |
| Nlim (grease)                                 | 5,400 rpm |
| Min operating temperature, Tmin               | -25 ° C   |
| Max operating temperature, Tmax               | 110 ° C   |
| Characteristic cage frequency, FTF            | 0.43 Hz   |
| Characteristic rolling element frequency, BSF | 6.73 Hz   |
| Characteristic outer ring frequency, BPF0     | 5.55 Hz   |
| Characteristic inner ring frequency, BPF1     | 7.45 Hz   |
| da min  | 50 mm     |
| da max  | 52.5 mm   |
| Da max  | 70 mm     |
| ra max  | 1 mm      |

6009LLU/5K Bearing 2D drawings and 3D CAD models



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