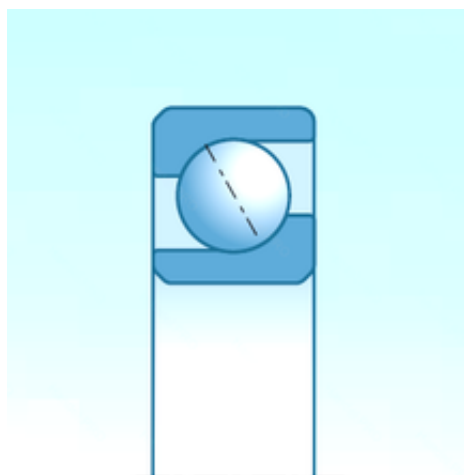




**Bearing No. 7309BA**

|                        |            |
|------------------------|------------|
| D                      | 100,000 mm |
| d                      | 45,000 mm  |
| B                      | 25,000 mm  |
| C                      | 25,000 mm  |
| a                      | 43 mm      |
| d1                     | 66.2 mm    |
| d2                     | 51.7 mm    |
| D1                     | 79.5 mm    |
| D2                     | 92.8 mm    |
| Mass                   | 0.81 kg    |
| Nref                   | 6,600 rpm  |
| Nlim                   | 8,100 rpm  |
| Db max                 | 94.5 mm    |
| Da max                 | 91.5 mm    |
| db min                 | 53.5 mm    |
| da min                 | 53.5 mm    |
| ra max                 | 1.5 mm     |
| rs min                 | 1.5 mm     |
| r1a max                | 1 mm       |
| r1s min                | 1 mm       |
| Size (mm)              | 45x100x25  |
| Width (mm)             | 25,000     |
| Bearing number         | 7309BA     |
| Static load, C0        | 39.7 kN    |
| Dynamic load, C        | 58.1 kN    |
| Contact angle ?        | 40 °       |
| Bore Diameter (mm)     | 45,000     |
| Outer Diameter (mm)    | 100,000    |
| Fatigue limit load, Cu | 1.8 kN     |
| Min operating          | -20 °C     |

|                                               |         |
|-----------------------------------------------|---------|
| temperature, Tmin                             |         |
| Max operating temperature, Tmax               | 120 °C  |
| Characteristic cage frequency, FTF            | 0.4 Hz  |
| Characteristic outer ring frequency, BPF0     | 4.44 Hz |
| Characteristic inner ring frequency, BPFI     | 6.56 Hz |
| Characteristic rolling element frequency, BSF | 3.82 Hz |