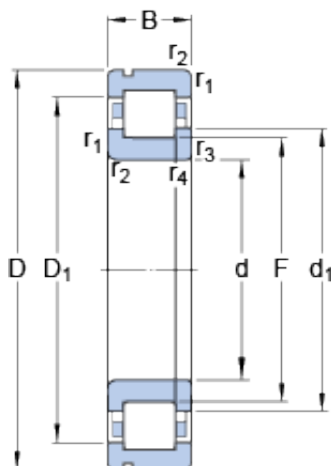




# NSK bearing Trading Co., Ltd

45 mm x 100 mm x 25 mm 45 mm x 100 mm x 25 mm SKF NUP 309 ECNP thrust ball bearings

Bearing No. NUP 309 ECNP



NUP 309 ECNP Bearing 2D drawings and 3D CAD models

|   |              |
|---|--------------|
| Size                                      | 100x45x25 mm |
| Bore Diameter                             | 100 mm       |
| Outer Diameter                            | 45 mm        |
| Width                                     | 25 mm        |
| d   | 45 mm        |
| D   | 100 mm       |
| B   | 25 mm        |
| d <sub>1</sub>                            | 64.4 mm      |
| D <sub>1</sub>                            | 83.2 mm      |
| F   | 58.5 mm      |
| r <sub>1,2</sub> - min.                   | 1.5 mm       |
| r <sub>3,4</sub> - min.                   | 1.5 mm       |
| d <sub>a</sub> - min.                     | 54 mm        |
| d <sub>b</sub> - min.                     | 67 mm        |
| D <sub>a</sub> - max.                     | 91.4 mm      |
| r <sub>a</sub> - max.                     | 1.5 mm       |
| Basic dynamic load rating - C             | 112 kN       |
| Basic static load rating - C <sub>0</sub> | 100 kN       |
| Fatigue load limit - P <sub>u</sub>       | 12.9 kN      |
| Reference speed                           | 7500 r/min   |
| Limiting speed                            | 8500 r/min   |
| Calculation factor - k <sub>r</sub>       | 0.15         |
| d <sub>1</sub>                            | 64.4 mm      |
| D <sub>1</sub>                            | 83.2 mm      |



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|                                |         |
|--------------------------------|---------|
| $D_3$                          | 96.8 mm |
| $C_2$                          | 3.28 mm |
| b                              | 2.7 mm  |
| $r_{1,2}$ min.                 | 1.5 mm  |
| $r_{3,4}$ min.                 | 1.5 mm  |
| $d_a$ min.                     | 54 mm   |
| $d_b$ min.                     | 67 mm   |
| $D_a$ max.                     | 91.4 mm |
| $r_a$ max.                     | 1.5 mm  |
| Basic dynamic load rating C    | 112 kN  |
| Basic static load rating $C_0$ | 100 kN  |
| Fatigue load limit $P_u$       | 12.9 kN |
| Calculation factor $k_f$       | 0.15    |
| Limiting value e               | 0.2     |
| Axial load factor Y            | 0.6     |
| Mass bearing                   | 0.93 kg |