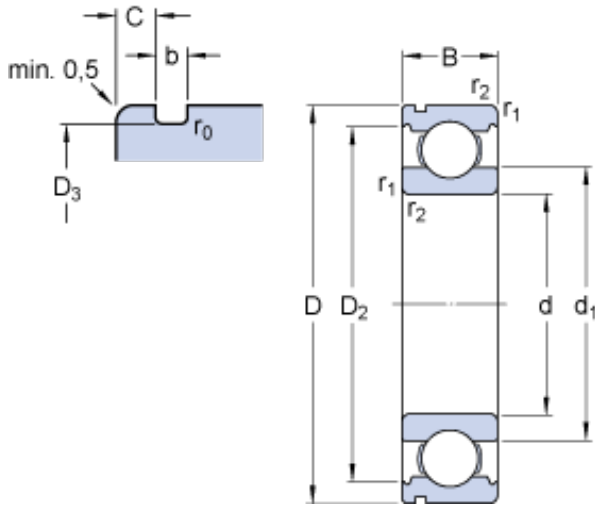




# USK BEARING COMPANY



25 mm x 47 mm x 12 mm skf 6005 N Deep groove ball bearings

Bearing No. 6005 N

6005 N Bearing 2D drawings and 3D CAD models

|   |             |
|---|-------------|
| Size                                      | 47x25x12 mm |
| Bore Diameter                             | 47 mm       |
| Outer Diameter                            | 25 mm       |
| Width                                     | 12 mm       |
| d   | 25 mm       |
| D   | 47 mm       |
| B   | 12 mm       |
| d <sub>1</sub>                            | 32 mm       |
| d <sub>a</sub> - min.                     | 28.2 mm     |
| D <sub>a</sub> - max.                     | 43.8 mm     |
| D <sub>b</sub> - min.                     | 54 mm       |
| b <sub>a</sub> - min.                     | 1.5 mm      |
| C <sub>a</sub> - max.                     | 3.18 mm     |
| r <sub>a</sub> - max.                     | 0.6 mm      |
| Basic dynamic load rating - C             | 11.9 kN     |
| Basic static load rating - C <sub>0</sub> | 6.6 kN      |
| Fatigue load limit - P <sub>u</sub>       | 0.275 kN    |
| Reference speed                           | 32000 r/min |
| Limiting speed                            | 20000 r/min |
| Calculation factor - k <sub>r</sub>       | 0.025       |
| Calculation factor - f <sub>0</sub>       | 14          |
| d <sub>1</sub>                            | 32 mm       |
| D <sub>2</sub>                            | 42.2 mm     |
| D <sub>3</sub>                            | 44.6 mm     |



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|                                |          |
|--------------------------------|----------|
| b                              | 1.35 mm  |
| C                              | 2.06 mm  |
| $r_0$ max.                     | 0.4 mm   |
| $r_{1,2}$ min.                 | 0.6 mm   |
| $d_a$ min.                     | 28.2 mm  |
| $D_a$ max.                     | 43.8 mm  |
| $D_b$ min.                     | 54 mm    |
| $b_a$ min.                     | 1.5 mm   |
| $C_a$ max.                     | 3.18 mm  |
| $r_a$ max.                     | 0.6 mm   |
| Basic dynamic load rating C    | 11.9 kN  |
| Basic static load rating $C_0$ | 6.55 kN  |
| Fatigue load limit $P_u$       | 0.275 kN |
| Calculation factor $k_r$       | 0.025    |
| Calculation factor $f_0$       | 14       |
| Mass bearing                   | 0.08 kg  |