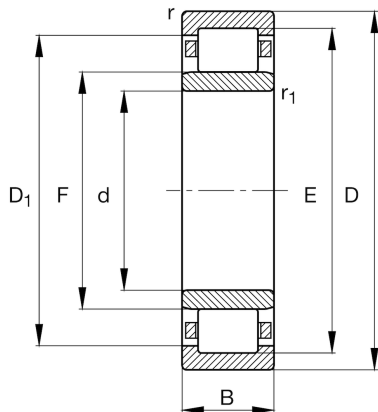
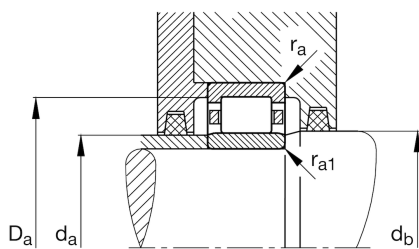


## Technical information

### Main Dimensions & Performance Data



|          |              |                                   |
|----------|--------------|-----------------------------------|
| d        | 35 mm        | Bore diameter                     |
| D        | 80 mm        | Outside diameter                  |
| B        | 21 mm        | Width                             |
| $C_r$    | 76,000 N     | Basic dynamic load rating, radial |
| $C_{0r}$ | 63,000 N     | Basic static load rating, radial  |
| $C_{ur}$ | 8,300 N      | Fatigue load limit, radial        |
| $n_G$    | 16,400 1/min | Limiting speed                    |
| $n_{gr}$ | 7,900 1/min  | Reference speed                   |
|          | 0.55 kg      | Weight                            |

### Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a \min}$  | 42 mm  | Minimum diameter shaft shoulder      |
| $d_{a \max}$  | 45 mm  | Maximum diameter of shaft shoulder   |
| $d_{b \min}$  | 48 mm  | Minimum shaft shoulder               |
| $D_{a \max}$  | 71 mm  | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 1.5 mm | Maximum recess radius                |
| $r_{a1 \max}$ | 1 mm   | Maximum recess radius                |

### Dimensions

|              |          |                                 |
|--------------|----------|---------------------------------|
| $r_{\min}$   | 1.5 mm   | Minimum chamfer dimension       |
| $r_{1 \min}$ | 1.1 mm   | Minimum chamfer dimension       |
| s            | 0.6 mm   | Axial displacement              |
| E            | 70.2 mm  | Raceway diameter outer ring     |
| F            | 46.2 mm  | Raceway diameter inner ring     |
| $D_{1 \min}$ | 66.64 mm | Minimum rib diameter outer ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 150 °C | Operating temperature max. |

