



FAG

**NU2310-E-XL-TVP2-C4**

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-XL-TVP2, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

X-life

## Technical information



## Your current product variant

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| Design                    | E            | Increased Capacity Design         |
| Cage                      | TVP2         | Solid Window Cage made from PA66  |
| Radial internal clearance | C4 (Group 4) | Internal clearance larger than C3 |
| Tolerance class           | PN           | Normal (ISO 492:2023)             |
| Number of rows            | 1            | Single-row design                 |

## Main Dimensions &amp; Performance Data

|             |             |                                   |
|-------------|-------------|-----------------------------------|
| d           | 50 mm       | Bore diameter                     |
| D           | 110 mm      | Outside diameter                  |
| B           | 40 mm       | Width                             |
| $C_r$       | 193.000 N   | Basic dynamic load rating, radial |
| $C_{0r}$    | 187.000 N   | Basic static load rating, radial  |
| $C_{ur}$    | 35.500 N    | Fatigue load limit, radial        |
| $n_G$       | 8.900 1/min | Limiting speed                    |
| $n_{gr}$    | 4.900 1/min | Reference speed                   |
| $\approx m$ | 1,71 kg     | Weight                            |



### Mounting dimensions

|               |       |                                      |
|---------------|-------|--------------------------------------|
| $d_{a \min}$  | 61 mm | Minimum diameter shaft shoulder      |
| $d_{a \max}$  | 63 mm | Maximum diameter of shaft shoulder   |
| $d_{b \min}$  | 67 mm | Minimum shaft shoulder               |
| $D_{a \max}$  | 99 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 2 mm  | Maximum recess radius                |
| $r_{a1 \max}$ | 2 mm  | Maximum recess radius                |

### Dimensions

|              |         |                                 |
|--------------|---------|---------------------------------|
| $r_{\min}$   | 2 mm    | Minimum chamfer dimension       |
| $r_{1 \min}$ | 2 mm    | Minimum chamfer dimension       |
| s            | 3,2 mm  | Axial displacement              |
| E            | 97 mm   | Raceway diameter outer ring     |
| F            | 65 mm   | Raceway diameter inner ring     |
| $D_{1 \min}$ | 92,5 mm | Minimum rib diameter outer ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

### Characteristics

|   |                    |
|---|--------------------|
|  | Radial load        |
|  | Grease Lubrication |
|  | Oil Lubrication    |
|  | Not sealed         |