



FAG

**NUP2312-E-XL-TVP2**

Cylindrical roller bearing

Cylindrical roller bearing NUP..-E-XL-TVP2, with cage, single row, locating bearing, 2 ribs on outer ring, 1 rib on inner ring, rib washer internal, type NUP

X-life

## Technical information



## Your current product variant

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

## Main Dimensions &amp; Performance Data

|          |             |                                   |
|----------|-------------|-----------------------------------|
| d        | 60 mm       | Bore diameter                     |
| D        | 130 mm      | Outside diameter                  |
| B        | 46 mm       | Width                             |
| $C_r$    | 265.000 N   | Basic dynamic load rating, radial |
| $C_{0r}$ | 260.000 N   | Basic static load rating, radial  |
| $C_{ur}$ | 50.000 N    | Fatigue load limit, radial        |
| $n_G$    | 7.400 1/min | Limiting speed                    |
| $n_{gr}$ | 4.250 1/min | Reference speed                   |
| $m$      | 2,85 kg     | Weight                            |



### Mounting dimensions

|                     |          |                                      |
|---------------------|----------|--------------------------------------|
| $d_1$               | 84,4 mm  | Maximum rib diameter inner ring      |
| $D_{1 \text{ min}}$ | 109,6 mm | Minimum rib diameter outer ring      |
| $d_{a \text{ min}}$ | 72 mm    | Minimum diameter shaft shoulder      |
| $d_{c \text{ min}}$ | 86 mm    | Minimum shaft shoulder               |
| $D_{a \text{ max}}$ | 118 mm   | Maximum diameter of housing shoulder |
| $r_{a \text{ max}}$ | 2,1 mm   | Maximum recess radius                |







### Dimensions

|                     |        |                             |
|---------------------|--------|-----------------------------|
| $r_{\text{min}}$    | 2,1 mm | Minimum chamfer dimension   |
| $r_{1 \text{ min}}$ | 2,1 mm | Minimum chamfer dimension   |
| E                   | 115 mm | Raceway diameter outer ring |
| F                   | 77 mm  | Raceway diameter inner ring |
| $B_3$               | 7 mm   | Width of loose rib          |

### Temperature range

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

### Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed