



FAG

**NU306-E-XL-M1**

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-XL-M1, 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



## Ваш текущий вариант продукта

|                           |              |                                    |
|---------------------------|--------------|------------------------------------|
| Design                    | E            | Increased Capacity Design          |
| Cage                      | M1           | Two Piece Brass Cage Roller Guided |
| 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        | 30 mm        | Bore diameter                     |
| D        | 72 mm        | Outside diameter                  |
| B        | 19 mm        | Width                             |
| $C_r$    | 61.000 N     | Basic dynamic load rating, radial |
| $C_{0r}$ | 48.000 N     | Basic static load rating, radial  |
| $C_{ur}$ | 6.200 N      | Fatigue load limit, radial        |
| $n_G$    | 18.500 1/min | Limiting speed                    |
| $n_{gr}$ | 8.900 1/min  | Reference speed                   |
| $m$      | 0,401 kg     | Bec                               |



### Mounting dimensions

|               |       |                                      |
|---------------|-------|--------------------------------------|
| $d_{a \min}$  | 37 mm | Minimum diameter shaft shoulder      |
| $d_{a \max}$  | 40 mm | Maximum diameter of shaft shoulder   |
| $d_{b \min}$  | 44 mm | Minimum shaft shoulder               |
| $D_{a \max}$  | 65 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 1 mm  | Maximum recess radius                |
| $r_{a1 \max}$ | 1 mm  | Maximum recess radius                |





### Dimensions

|              |         |                                 |
|--------------|---------|---------------------------------|
| $r_{\min}$   | 1,1 mm  | Minimum chamfer dimension       |
| $r_{1 \min}$ | 1,1 mm  | Minimum chamfer dimension       |
| s            | 1,2 mm  | Axial displacement              |
| E            | 62,5 mm | Raceway diameter outer ring     |
| F            | 40,5 mm | Raceway diameter inner ring     |
| $D_{1 \min}$ | 59,2 mm | Minimum rib diameter outer ring |

### Temperature range

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

### Характеристики

-  Радиальная нагрузка
-  Смазывание пластичной смазкой
-  Смазывание маслом
-  Без уплотнений