

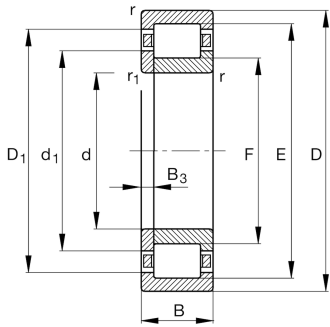
**NUP324-E-XL-MCA-C3**

## Cylindrical roller bearing

Cylindrical roller bearing NUP..-E-XL-MCA, 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 |
| Number of rows | 1 | Single-row design         |

## Main Dimensions &amp; Performance Data

|          |             |                                   |
|----------|-------------|-----------------------------------|
| d        | 120 mm      | Bore diameter                     |
| D        | 260 mm      | Outside diameter                  |
| B        | 55 mm       | Width                             |
| $C_r$    | 610.000 N   | Basic dynamic load rating, radial |
| $C_{0r}$ | 600.000 N   | Basic static load rating, radial  |
| $C_{ur}$ | 97.000 N    | Fatigue load limit, radial        |
| $n_G$    | 4.550 1/min | Limiting speed                    |
| $n_{gr}$ | 2.650 1/min | Reference speed                   |
| $m$      | 14,09 kg    | Weight                            |



### Mounting dimensions

|                     |           |                                      |
|---------------------|-----------|--------------------------------------|
| $d_1$               | 168,05 mm | Maximum rib diameter inner ring      |
| $D_{1 \text{ min}}$ | 218,7 mm  | Minimum rib diameter outer ring      |
| $d_{a \text{ min}}$ | 134 mm    | Minimum diameter shaft shoulder      |
| $d_{c \text{ min}}$ | 171 mm    | Minimum shaft shoulder               |
| $D_{a \text{ max}}$ | 246 mm    | Maximum diameter of housing shoulder |
| $r_{a \text{ max}}$ | 2,5 mm    | Maximum recess radius                |

### Dimensions

|                     |        |                             |
|---------------------|--------|-----------------------------|
| $r_{\text{min}}$    | 3 mm   | Minimum chamfer dimension   |
| $r_{1 \text{ min}}$ | 3 mm   | Minimum chamfer dimension   |
| E                   | 230 mm | Raceway diameter outer ring |
| F                   | 154 mm | Raceway diameter inner ring |
| $B_3$               | 8,5 mm | Width of loose rib          |

### Temperature range

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

### Characteristics

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