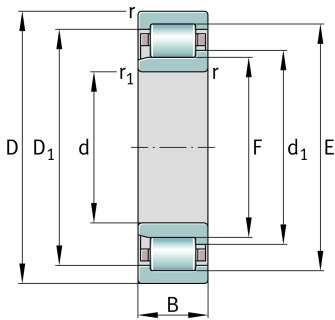


**FAG****NJ2322-E-XL-MPAX-ILR-J30PC**

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E..-MPAX-ILR, with cage, single row, semi-locating bearing, 2 ribs on outer ring, 1 rib on inner ring, type NJ

## Technical information

**Your current product variant**

|                           |              |                                 |
|---------------------------|--------------|---------------------------------|
| Design                    | E            | Increased Capacity Design       |
| Cage                      | MPAX         | One Piece Brass Cage Lip 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 & Performance Data**

|             |             |                                   |
|-------------|-------------|-----------------------------------|
| d           | 110 mm      | Bore diameter                     |
| D           | 240 mm      | Outside diameter                  |
| B           | 80 mm       | Width                             |
| $C_r$       | 980.000 N   | Basic dynamic load rating, radial |
| $C_{0r}$    | 870.000 N   | Basic static load rating, radial  |
| $C_{ur}$    | 149.000 N   | Fatigue load limit, radial        |
| $n_G$       | 5.000 1/min | Limiting speed                    |
| $n_{gr}$    | 2.200 1/min | Reference speed                   |
| $\approx m$ | 18,4 kg     | Weight                            |

**Mounting dimensions**

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 124 mm | Minimum diameter shaft shoulder      |
| $d_{a \max}$ | 140 mm | Maximum diameter of shaft shoulder   |
| $D_{a \max}$ | 226 mm | Maximum diameter of housing shoulder |





## Dimensions

|             |          |                                 |
|-------------|----------|---------------------------------|
| $r_{\min}$  | 3 mm     | Minimum chamfer dimension       |
| $r_{1\min}$ | 3 mm     | Minimum chamfer dimension       |
| s           | 5,8 mm   | Axial displacement              |
| E           | 211 mm   | Raceway diameter outer ring     |
| F           | 143 mm   | Raceway diameter inner ring     |
| $D_{1\min}$ | 200,9 mm | Minimum rib diameter outer ring |
| $d_1$       | 155,6 mm | Maximum rib diameter inner ring |

## Temperature range

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

## Characteristics

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