

**FAG****NJ2324-E-XL-MPAX-ILR-C3** [↗](#)

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      | C3 (Group 3) | Internal clearance larger than CN |
| Tolerance class                | PN           | Normal (PN)                       |
| Number of rolling element rows | 1            | Single-row design                 |

## Main Dimensions &amp; Performance Data

|             |             |                                   |
|-------------|-------------|-----------------------------------|
| d           | 120 mm      | Bore diameter                     |
| D           | 260 mm      | Outside diameter                  |
| B           | 86 mm       | Width                             |
| $C_r$       | 1.150.000 N | Basic dynamic load rating, radial |
| $C_{0r}$    | 1.010.000 N | Basic static load rating, radial  |
| $C_{ur}$    | 169.000 N   | Fatigue load limit, radial        |
| $n_G$       | 4.550 1/min | Limiting speed                    |
| $n_{gr}$    | 1.980 1/min | Reference speed                   |
| $\approx m$ | 23,2 kg     | Weight                            |

## Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \max}$ | 151 mm | Maximum diameter of shaft shoulder   |
| $D_{a \max}$ | 246 mm | Maximum diameter of housing shoulder |






## Dimensions

|              |           |                                 |
|--------------|-----------|---------------------------------|
| $r_{\min}$   | 3 mm      | Minimum chamfer dimension       |
| $r_{1 \min}$ | 3 mm      | Minimum chamfer dimension       |
| s            | 7,2 mm    | Axial displacement              |
| E            | 230 mm    | Raceway diameter outer ring     |
| F            | 154 mm    | Raceway diameter inner ring     |
| $D_{1 \min}$ | 218,7 mm  | Minimum rib diameter outer ring |
| $d_1$        | 168,05 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               |