



FAG

**NJ2224-E-XL-MPAX-J30PC-C3** [↗](#)

Cylindrical roller bearing

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

X-life

## 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 (ISO 492:2023)             |
| Number of rows            | 1            | Single-row design                 |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 120 mm      | Bore diameter                     |
| D               | 215 mm      | Outside diameter                  |
| B               | 58 mm       | Width                             |
| C <sub>r</sub>  | 530.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 610.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 104.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 5.600 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.500 1/min | Reference speed                   |
| m               | 9,26 kg     | Weight                            |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 132 mm | Minimum diameter shaft shoulder      |
| $d_{a \max}$ | 141 mm | Maximum diameter of shaft shoulder   |
| $D_{a \max}$ | 203 mm | Maximum diameter of housing shoulder |
| $d_{c \min}$ | 156 mm | Minimum shaft shoulder               |
| $r_{a \max}$ | 2 mm   | Maximum recess radius                |

### Dimensions

|              |           |                                 |
|--------------|-----------|---------------------------------|
| $r_{\min}$   | 2,1 mm    | Minimum chamfer dimension       |
| $r_{1 \min}$ | 2,1 mm    | Minimum chamfer dimension       |
| s            | 4,5 mm    | Axial displacement              |
| E            | 195,5 mm  | Raceway diameter outer ring     |
| F            | 143,5 mm  | Raceway diameter inner ring     |
| $D_{1 \min}$ | 187,75 mm | Minimum rib diameter outer ring |
| $d_1$        | 153,2 mm  | Maximum rib diameter inner ring |

### Temperature range

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

### Additional information

HJ2224-E

L-washer

### Characteristics

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