



FAG

NJ230-E-XL-MPAX-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 & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 150 mm | Bore diameter |
| D | 270 mm | Outside diameter |
| B | 45 mm | Width |
| C_r | 520.000 N | Basic dynamic load rating, radial |
| C_{0r} | 590.000 N | Basic static load rating, radial |
| C_{ur} | 89.000 N | Fatigue load limit, radial |
| n_G | 3.950 1/min | Limiting speed |
| n_{gr} | 2.350 1/min | Reference speed |
| m | 11,6 kg | Weight |

Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \max}$ | 179 mm | Maximum diameter of shaft shoulder |
| $D_{a \max}$ | 256 mm | Maximum diameter of housing shoulder |



Dimensions

| | | |
|--------------|----------|---------------------------------|
| r_{\min} | 3 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 3 mm | Minimum chamfer dimension |
| s | 4 mm | Axial displacement |
| E | 242 mm | Raceway diameter outer ring |
| F | 182 mm | Raceway diameter inner ring |
| $D_{1 \min}$ | 193,1 mm | Minimum rib diameter outer ring |
| d_1 | 233,2 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