



FAG

NJ2311-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 | 55 mm | Bore diameter |
| D | 120 mm | Outside diameter |
| B | 43 mm | Width |
| C _r | 235.000 N | Basic dynamic load rating, radial |
| C _{0r} | 230.000 N | Basic static load rating, radial |
| C _{ur} | 44.000 N | Fatigue load limit, radial |
| n _G | 10.400 1/min | Limiting speed |
| n _{gr} | 4.500 1/min | Reference speed |
| m | 2,48 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 66 mm | Minimum diameter shaft shoulder |
| $d_{a \max}$ | 69 mm | Maximum diameter of shaft shoulder |
| $D_{a \max}$ | 109 mm | Maximum diameter of housing shoulder |
| $d_{c \min}$ | 80 mm | Minimum shaft shoulder |

Dimensions

| | | |
|--------------|-----------|---------------------------------|
| r_{\min} | 2 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 2 mm | Minimum chamfer dimension |
| s | 3,3 mm | Axial displacement |
| E | 106,5 mm | Raceway diameter outer ring |
| F | 70,5 mm | Raceway diameter inner ring |
| $D_{1 \min}$ | 101,42 mm | Minimum rib diameter outer ring |
| d_1 | 77,5 mm | Maximum rib diameter inner ring |

Temperature range






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

Additional information

HJ2311-E

L-washer

Characteristics

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