



FAG

NJ217-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 | 85 mm | Bore diameter |
| D | 150 mm | Outside diameter |
| B | 28 mm | Width |
| C _r | 203.000 N | Basic dynamic load rating, radial |
| C _{0r} | 206.000 N | Basic static load rating, radial |
| C _{ur} | 36.000 N | Fatigue load limit, radial |
| n _G | 8.300 1/min | Limiting speed |
| n _{gr} | 3.950 1/min | Reference speed |
| m | 2,17 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 96 mm | Minimum diameter shaft shoulder |
| $d_{a \max}$ | 99 mm | Maximum diameter of shaft shoulder |
| $D_{a \max}$ | 139 mm | Maximum diameter of housing shoulder |
| $d_{c \min}$ | 110 mm | Minimum shaft shoulder |
| $r_{a \max}$ | 2 mm | Maximum recess radius |

Dimensions

| | | |
|--------------|-----------|---------------------------------|
| r_{\min} | 2 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 2 mm | Minimum chamfer dimension |
| s | 0,8 mm | Axial displacement |
| E | 136,5 mm | Raceway diameter outer ring |
| F | 100,5 mm | Raceway diameter inner ring |
| $D_{1 \min}$ | 131,52 mm | Minimum rib diameter outer ring |
| d_1 | 107,45 mm | Maximum rib diameter inner ring |

Temperature range

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

Additional information

HJ217-E

L-washer

Characteristics

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