

**FAG****NU330-E-XL-MCA-C3**

Cylindrical roller bearing

Cylindrical roller bearing NU20..-E-XL-MCA, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

X-life

Technical information

Your current product variant

| | | |
|---------------------------|--------------|--|
| Design | Standard | |
| Cage | MCA | Messing Käfig, einteilig, bordgeführt am Außenring |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Tolerance class | PN | Normal (PN) |
| Number of rows | 1 | Single-row design |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|-----------------------------------|
| d | 150 mm | Bore diameter |
| D | 320 mm | Outside diameter |
| B | 65 mm | Width |
| C _r | 900.000 N | Basic dynamic load rating, radial |
| C _{0r} | 930.000 N | Basic static load rating, radial |
| C _{ur} | 108.000 N | Fatigue load limit, radial |
| n _G | 3.650 1/min | Limiting speed |
| n _{gr} | 1.940 1/min | Reference speed |
| m | 26,4 kg | Weight |



Mounting dimensions

| | | |
|---------------|--------|--------------------------------------|
| $d_{a \min}$ | 167 mm | Minimum diameter shaft shoulder |
| $d_{a \max}$ | 190 mm | Maximum diameter of shaft shoulder |
| $d_{b \min}$ | 195 mm | Minimum shaft shoulder |
| $D_{a \max}$ | 303 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 3 mm | Maximum recess radius |
| $r_{a1 \max}$ | 3 mm | Maximum recess radius |

Dimensions

| | | |
|--------------|----------|---------------------------------|
| r_{\min} | 4 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 4 mm | Minimum chamfer dimension |
| s | 5,5 mm | Axial displacement |
| E | 283 mm | Raceway diameter outer ring |
| F | 193 mm | Raceway diameter inner ring |
| $D_{1 \min}$ | 269,8 mm | Minimum rib diameter outer 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 |