

**FAG****NU2330-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

## Technical information

**Your current product variant**

|                |          |  |
|----------------|----------|--|
| Design         | Standard |  |
| Cage           | MCA      | Messing Käfig, einteilig, bordgeführt am Außenring |
| Number of rows | 1        | Single-row design                                  |

**Main Dimensions & Performance Data**

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 150 mm      | Bore diameter                     |
| D               | 320 mm      | Outside diameter                  |
| B               | 108 mm      | Width                             |
| C <sub>r</sub>  | 1.380.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 1.600.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 250.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.650 1/min | Limiting speed                    |
| n <sub>gr</sub> | 1.460 1/min | Reference speed                   |
| m               | 42,6 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            | 9,7 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                  |