

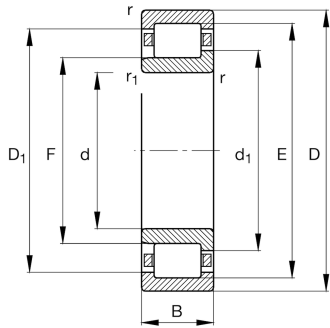
**FAG****NJ2204-E-XL-M1A-C4** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E-XL-M1A, 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                           | M1A          | Two Piece Brass Cage Lip guided   |
| Radial internal clearance      | C4 (Group 4) | Internal clearance larger than C3 |
| Tolerance class                | PN           | Normal (PN)                       |
| Number of rolling element rows | 1            | Single-row design                 |

**Main Dimensions & Performance Data**

|          |              |                                   |
|----------|--------------|-----------------------------------|
| d        | 20 mm        | Bore diameter                     |
| D        | 47 mm        | Outside diameter                  |
| B        | 18 mm        | Width                             |
| $C_r$    | 38.500 N     | Basic dynamic load rating, radial |
| $C_{0r}$ | 31.000 N     | Basic static load rating, radial  |
| $C_{ur}$ | 5.200 N      | Fatigue load limit, radial        |
| $n_G$    | 28.500 1/min | Limiting speed                    |
| $n_{gr}$ | 11.100 1/min | Reference speed                   |
| $m$      | 167,56 g     | Weight                            |



### Mounting dimensions

|              |       |                                      |
|--------------|-------|--------------------------------------|
| $d_{a \min}$ | 24 mm | Minimum diameter shaft shoulder      |
| $d_{a \max}$ | 26 mm | Maximum diameter of shaft shoulder   |
| $D_{a \max}$ | 41 mm | Maximum diameter of housing shoulder |
| $d_{c \min}$ | 32 mm | Minimum shaft shoulder               |
| $r_{a \max}$ | 1 mm  | Maximum recess radius                |

### Dimensions

|              |         |                                 |
|--------------|---------|---------------------------------|
| $r_{\min}$   | 1 mm    | Minimum chamfer dimension       |
| $r_{1 \min}$ | 0,6 mm  | Minimum chamfer dimension       |
| s            | 1,8 mm  | Axial displacement              |
| E            | 41,5 mm | Raceway diameter outer ring     |
| F            | 26,5 mm | Raceway diameter inner ring     |
| $D_{1 \min}$ | 38,8 mm | Minimum rib diameter outer ring |
| $d_1$        | 29,7 mm | Maximum rib diameter inner ring |

### Temperature range





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

### Additional information

HJ2204-E

L-washer

### Characteristics

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