

**FAG****NU1992-M1-C3**

Cylindrical roller bearing

Cylindrical roller bearing NU20..-E-XL-M1, 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                      | M1           | Two Piece Brass Cage Roller 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 &amp; Performance Data

|             |             |                                   |
|-------------|-------------|-----------------------------------|
| d           | 460 mm      | Bore diameter                     |
| D           | 620 mm      | Outside diameter                  |
| B           | 74 mm       | Width                             |
| $C_r$       | 1.020.000 N | Basic dynamic load rating, radial |
| $C_{0r}$    | 1.970.000 N | Basic static load rating, radial  |
| $C_{ur}$    | 157.000 N   | Fatigue load limit, radial        |
| $n_G$       | 1.770 1/min | Limiting speed                    |
| $n_{gr}$    | 860 1/min   | Reference speed                   |
| $\approx m$ | 62,1 kg     | Weight                            |



### Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a \min}$  | 475 mm | Minimum diameter shaft shoulder      |
| $d_{a \max}$  | 498 mm | Maximum diameter of shaft shoulder   |
| $d_{b \min}$  | 506 mm | Minimum shaft shoulder               |
| $D_{a \max}$  | 605 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            | 8,4 mm   | Axial displacement              |
| E            | 578 mm   | Raceway diameter outer ring     |
| F            | 502 mm   | Raceway diameter inner ring     |
| $D_{1 \min}$ | 562,8 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        |
|  | Grease Lubrication |
|  | Oil Lubrication    |
|  | Not sealed         |
|  | Large bearing      |