



FAG

NU1080-TB-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

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                                             |
|---------------------------|--------------|---------------------------------------------|
| Design                    | TB           | Bearings with increased axial load capacity |
| 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 & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 400 mm      | Bore diameter                     |
| D               | 600 mm      | Outside diameter                  |
| B               | 90 mm       | Width                             |
| C <sub>r</sub>  | 1.380.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 2.330.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 176.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 1.730 1/min | Limiting speed                    |
| n <sub>gr</sub> | 980 1/min   | Reference speed                   |
| ≈m              | 87,33 kg    | Masa                              |



### Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a\ min}$  | 417 mm | Minimum diameter shaft shoulder      |
| $d_{a\ max}$  | 445 mm | Maximum diameter of shaft shoulder   |
| $d_{b\ min}$  | 455 mm | Minimum shaft shoulder               |
| $D_{a\ max}$  | 583 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$  | 4 mm   | Maximum recess radius                |
| $r_{a1\ max}$ | 4 mm   | Maximum recess radius                |

### Dimensions

|              |        |                                 |
|--------------|--------|---------------------------------|
| $r_{\min}$   | 5 mm   | Minimum chamfer dimension       |
| $r_{1\ min}$ | 5 mm   | Minimum chamfer dimension       |
| s            | 9,5 mm | Axial displacement              |
| E            | 550 mm | Raceway diameter outer ring     |
| F            | 450 mm | Raceway diameter inner ring     |
| $D_{1\ min}$ | 530 mm | Minimum rib diameter outer ring |

### Temperature range

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

### Właściwości



Obciążenie promieniowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe