



FAG

NU2088-E-M1A

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-M1A, 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                    | E            | Increased Capacity Design       |
| Cage                      | M1A          | Two Piece Brass Cage Lip guided |
| Radial internal clearance | CN (Group N) | Normal internal clearance       |
| Tolerance class           | PN           | Normal (ISO 492:2023)           |
| Number of rows            | 1            | Single-row design               |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 440 mm      | Bore diameter                     |
| D               | 650 mm      | Outside diameter                  |
| B               | 122 mm      | Width                             |
| C <sub>r</sub>  | 2.600.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 5.000.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 465.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 1.560 1/min | Limiting speed                    |
| n <sub>gr</sub> | 580 1/min   | Reference speed                   |
| ≈m              | 142,61 kg   | Masa                              |



### Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a \min}$  | 463 mm | Minimum diameter shaft shoulder      |
| $d_{a \max}$  | 488 mm | Maximum diameter of shaft shoulder   |
| $d_{b \min}$  | 496 mm | Minimum shaft shoulder               |
| $D_{a \max}$  | 627 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 5 mm   | Maximum recess radius                |
| $r_{a1 \max}$ | 5 mm   | Maximum recess radius                |

### Dimensions

|            |          |                                 |
|------------|----------|---------------------------------|
| $r_{\min}$ | 6 mm     | Minimum chamfer dimension       |
| $r_1 \min$ | 6 mm     | Minimum chamfer dimension       |
| s          | 9,5 mm   | Axial displacement              |
| E          | 604 mm   | Raceway diameter outer ring     |
| F          | 492 mm   | Raceway diameter inner ring     |
| $D_1 \min$ | 585,7 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      |