



FAG

NUP238-E-M1A-C3

Cylindrical roller bearing

Cylindrical roller bearing NUP...-E-M1A, with cage, single row, locating bearing, 2 ribs on outer ring, 1 rib on inner ring, rib washer internal, type NUP

Informacje techniczne

Twoja aktualna wersja produktu

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| Design                    | E            | Increased Capacity Design         |
| Cage                      | M1A          | Two Piece Brass Cage Lip 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               | 190 mm      | Bore diameter                     |
| D               | 340 mm      | Outside diameter                  |
| B               | 55 mm       | Width                             |
| C <sub>r</sub>  | 680.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 930.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 112.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.050 1/min | Limiting speed                    |
| n <sub>gr</sub> | 1.720 1/min | Reference speed                   |
| ≈m              | 23,9 kg     | Masa                              |



### Mounting dimensions

|                    |           |                                      |
|--------------------|-----------|--------------------------------------|
| d <sub>1</sub>     | 243,95 mm | Maximum rib diameter inner ring      |
| D <sub>1 min</sub> | 295 mm    | Minimum rib diameter outer ring      |
| d <sub>a min</sub> | 207 mm    | Minimum diameter shaft shoulder      |
| d <sub>c min</sub> | 247 mm    | Minimum shaft shoulder               |
| D <sub>a max</sub> | 323 mm    | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 3 mm      | Maximum recess radius                |

### Dimensions

|                    |        |                             |
|--------------------|--------|-----------------------------|
| r <sub>min</sub>   | 4 mm   | Minimum chamfer dimension   |
| r <sub>1 min</sub> | 4 mm   | Minimum chamfer dimension   |
| E                  | 306 mm | Raceway diameter outer ring |
| F                  | 230 mm | Raceway diameter inner ring |
| B <sub>3</sub>     | 8,5 mm | Width of loose rib          |

### Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 150 °C | Operating temperature max. |