



FAG

QJ224-N2-MPA-C3

Four-point contact bearing

Four point contact bearing QJ2...-N2-MPA, holding grooves, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |     |                                                     |
|----------------------------------|-----|-----------------------------------------------------|
| Design, bearing outer ring       | N2  | Two retaining grooves in the outer ring on one side |
| Tolerance class                  | PN  | Normal (ISO 492:2023)                               |
| Cage                             | MPA | Solid brass cage, outer ring guided                 |
| Dimensional / heat stabilization | S0  | Rings dimensional stabilized up to 150°             |
| Axial internal clearance         | C3  | Group 3 (C3), bigger than CN                        |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 120 mm      | Bore diameter                     |
| D               | 215 mm      | Outside diameter                  |
| B               | 40 mm       | Width                             |
| C <sub>r</sub>  | 285.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 340.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 15.100 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 5.400 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.050 1/min | Reference speed                   |

Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 132 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 203 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 2,1 mm | Maximum fillet radius                |



Dimensions

|                  |           |                                                   |
|------------------|-----------|---------------------------------------------------|
| r <sub>min</sub> | 2,1 mm    | Minimum chamfer dimension                         |
| D <sub>1</sub>   | 183,7 mm  | Shoulder diameter outer ring                      |
| d <sub>1</sub>   | 152,84 mm | Shoulder diameter inner ring                      |
| a                | 117,3 mm  | Distance between the apexes of the pressure cones |
| a <sub>n</sub>   | 11,7 mm   | Hight retaining slot                              |
| b <sub>n</sub>   | 10,5 mm   | Width retaining slot                              |
| r <sub>n</sub>   | 2 mm      | Radius retaining slot                             |
|                  | 45 °      | Angle retaining slot                              |
| α                | 35 °      | Contact angle                                     |

Temperature range

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

Właściwości

|                                                                                     |                                   |
|-------------------------------------------------------------------------------------|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Obciążenie osiowe dwukierunkowe   |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Bez uszczelnienia                 |