



FAG

QJ310-XL-MPA

Four-point contact bearing

Four point contact bearing QJ3...-XL-MPA, X-life, solid brass cage

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |     |                                         |
|----------------------------------|-----|-----------------------------------------|
| 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         | CN  | Group N (CN)                            |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 50 mm        | Bore diameter                     |
| D               | 110 mm       | Outside diameter                  |
| B               | 27 mm        | Width                             |
| C <sub>r</sub>  | 115.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 92.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 6.800 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 12.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 5.400 1/min  | Reference speed                   |
| ≈m              | 1,317 kg     | Masa                              |

Mounting dimensions

|                    |       |                                      |
|--------------------|-------|--------------------------------------|
| d <sub>a min</sub> | 61 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 99 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 2 mm  | Maximum fillet radius                |



Dimensions

|                  |          |                                                   |
|------------------|----------|---------------------------------------------------|
| r <sub>min</sub> | 2 mm     | Minimum chamfer dimension                         |
| D <sub>1</sub>   | 89,55 mm | Shoulder diameter outer ring                      |
| d <sub>1</sub>   | 70,5 mm  | Shoulder diameter inner ring                      |
| a                | 56 mm    | Distance between the apexes of the pressure cones |
| 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