



FAG

QJ313-XL-N2-MPA-C3

Four-point contact bearing

Four point contact bearing QJ3...-XL-N2-MPA,  
X-life, holding grooves, solid brass cage

X-life

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               | 65 mm       | Bore diameter                     |
| D               | 140 mm      | Outside diameter                  |
| B               | 33 mm       | Width                             |
| C <sub>r</sub>  | 171.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 145.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 10.800 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 9.600 1/min | Limiting speed                    |
| n <sub>gr</sub> | 4.450 1/min | Reference speed                   |

|    |         |      |
|----|---------|------|
| ≈m | 2,61 kg | Masa |
|----|---------|------|



Mounting dimensions

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 77 mm  | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 128 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 2,1 mm | Maximum fillet radius                |

Dimensions

|            |          |                                                   |
|------------|----------|---------------------------------------------------|
| $r_{\min}$ | 2,1 mm   | Minimum chamfer dimension                         |
| $D_1$      | 114,4 mm | Shoulder diameter outer ring                      |
| $d_1$      | 90,96 mm | Shoulder diameter inner ring                      |
| $a$        | 71,8 mm  | Distance between the apexes of the pressure cones |
| $a_n$      | 8,1 mm   | Hight retaining slot                              |
| $b_n$      | 6,5 mm   | Width retaining slot                              |
| $r_n$      | 1 mm     | Radius retaining slot                             |
|            | 45 °     | Angle retaining slot                              |
| $\alpha$   | 35 °     | Contact angle                                     |

Temperature range

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

Właściwości

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