

**FAG****QJ215-XL-N2-MPA-C4**

Four-point contact bearing

Four point contact bearing QJ2..-XL-N2-MPA,
X-life, holding grooves, solid brass cage**X-life**

Technical information



Your current product variant

| | | |
|----------------------------------|-----|---|
| 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 | C4 | Group 4 (C4), bigger than C3 |

Main Dimensions & Performance Data

| | | |
|-----------------|--------------|-----------------------------------|
| d | 75 mm | Bore diameter |
| D | 130 mm | Outside diameter |
| B | 25 mm | Width |
| C _r | 123.000 N | Basic dynamic load rating, radial |
| C _{0r} | 122.000 N | Basic static load rating, radial |
| C _{ur} | 8.800 N | Fatigue load limit, radial |
| n _G | 10.200 1/min | Limiting speed |
| n _{gr} | 4.550 1/min | Reference speed |
| ≈m | 1,425 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 84 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 121 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1,5 mm | Maximum fillet radius |

Dimensions

| | | |
|------------|----------|---|
| r_{\min} | 1,5 mm | Minimum chamfer dimension |
| D_1 | 111,5 mm | Shoulder diameter outer ring |
| d_1 | 93,86 mm | Shoulder diameter inner ring |
| a | 71,8 mm | Distance between the apexes of the pressure cones |
| a_n | 6,5 mm | Height retaining slot |
| b_n | 6,5 mm | Width retaining slot |
| r_n | 0,5 mm | Radius retaining slot |
| | 45 ° | Angle retaining slot |
| α | 35 ° | Contact angle |

Temperature range

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

Characteristics

| | |
|---|------------------------------|
|  | Radial load |
|  | Axial load in one direction |
|  | Axial load in two directions |
|  | Grease Lubrication |
|  | Oil Lubrication |
|  | Not sealed |