

**FAG****QJ215-XL-N2-MPA-C3**

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 |
| Cage                             | MPA | Solid brass cage, outer ring guided                 |
| Tolerance class                  | PN  | Tolerance class PN, acc. to DIN 620                 |
| Dimensional / heat stabilization | S0  | Rings dimensional stabilized up to 150°             |
| Axial internal clearance         | C3  | Group 3 (C3), bigger than CN                        |

## Main Dimensions &amp; 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                   |
| $\approx m$ | 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                              |
| $\alpha$   | 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                   |