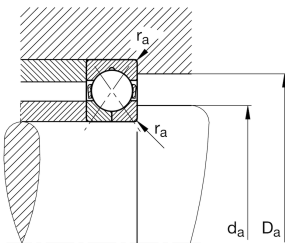


**FAG****QJ212-XL-N-MPA**

Four-point contact bearing

Four point contact bearing QJ2..-XL-N-MPA,
X-life, ring groove, solid brass cage**X-life**

Technical information



Your current product variant

| | | |
|----------------------------------|-----|---|
| Design, bearing outer ring | N | Ring groove for snap ring |
| 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 | 60 mm | Bore diameter |
| D | 110 mm | Outside diameter |
| B | 22 mm | Width |
| C_r | 94.000 N | Basic dynamic load rating, radial |
| C_{0r} | 87.000 N | Basic static load rating, radial |
| C_{ur} | 6.100 N | Fatigue load limit, radial |
| n_G | 12.300 1/min | Limiting speed |
| n_{gr} | 5.400 1/min | Reference speed |
| m | 0,945 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 69 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 101 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1,5 mm | Maximum fillet radius |

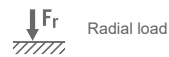
Dimensions

| | | |
|------------|----------|---|
| r_{\min} | 1,5 mm | Minimum chamfer dimension |
| D_1 | 92,95 mm | Shoulder diameter outer ring |
| d_1 | 77,05 mm | Shoulder diameter inner ring |
| a | 59,5 mm | Distance between the apexes of the pressure cones |
| α | 35 ° | Contact angle |

Temperature range

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

Characteristics



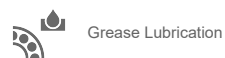
Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed