



FAG

QJ210-XL-MPA-C3

Four-point contact bearing

Four point contact bearing QJ2..-XL-MPA, X-life, solid brass cage

X-life

Technical information



Your current product variant

| | | |
|----------------------------------|-----|---|
| 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 & Performance Data

| | | |
|-------------|--------------|-----------------------------------|
| d | 50 mm | Bore diameter |
| D | 90 mm | Outside diameter |
| B | 20 mm | Width |
| C_r | 62.000 N | Basic dynamic load rating, radial |
| C_{0r} | 56.000 N | Basic static load rating, radial |
| C_{ur} | 3.950 N | Fatigue load limit, radial |
| n_G | 15.200 1/min | Limiting speed |
| n_{gr} | 6.700 1/min | Reference speed |
| $\approx m$ | 0,57 kg | Weight |

Mounting dimensions

| | | |
|--------------|-------|--------------------------------------|
| $d_{a \min}$ | 57 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 83 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm | Maximum fillet radius |



Dimensions

| | | |
|-----------|----------|---|
| r_{min} | 1,1 mm | Minimum chamfer dimension |
| D_1 | 76,35 mm | Shoulder diameter outer ring |
| d_1 | 63,65 mm | Shoulder diameter inner ring |
| a | 49 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