

**FAG****QJ244-N2-MPA-C3**

Four-point contact bearing

Four point contact bearing QJ2..-N2-MPA, holding grooves, solid brass cage

## 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 | S1  | Rings dimensional stabilized up to 200°             |
| Axial internal clearance         | C3  | Group 3 (C3), bigger than CN                        |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 220 mm      | Bore diameter                     |
| D               | 400 mm      | Outside diameter                  |
| B               | 65 mm       | Width                             |
| C <sub>r</sub>  | 630.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 1.120.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 36.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 2.850 1/min | Limiting speed                    |
| n <sub>gr</sub> | 1.370 1/min | Reference speed                   |
| ≈m              | 38,56 kg    | Weight                            |

## Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 237 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 383 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 3 mm   | Maximum fillet radius                |



## Dimensions

|            |          |   |
|------------|----------|---|
| $r_{\min}$ | 4 mm     | Minimum chamfer dimension                         |
| $D_1$      | 337,3 mm | Shoulder diameter outer ring                      |
| $d_1$      | 284,6 mm | Shoulder diameter inner ring                      |
| $a$        | 217,1 mm | Distance between the apexes of the pressure cones |
| $a_n$      | 12,7 mm  | Hight retaining slot                              |
| $b_n$      | 10,5 mm  | Width retaining slot                              |
| $r_n$      | 2 mm     | Radius retaining slot                             |
|            | 45 °     | Angle retaining slot                              |
| $\alpha$   | 35 °     | Contact angle                                     |

## Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 200 °C | Operating temperature max. |

## Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed



Large bearing