

**FAG****QJ1260-N2-MPA-C3**

Four-point contact bearing

Four point contact bearing QJ12...-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 |
| Tolerance class | PN | Normal (ISO 492:2023) |
| Cage | MPA | Solid brass cage, outer ring guided |
| Dimensional / heat stabilization | S1 | Rings dimensional stabilized up to 200° |
| Axial internal clearance | C3 | Group 3 (C3), bigger than CN |

Main Dimensions & Performance Data

| | | |
|-------------|-------------|-----------------------------------|
| d | 300 mm | Bore diameter |
| D | 540 mm | Outside diameter |
| B | 98 mm | Width |
| C_r | 920.000 N | Basic dynamic load rating, radial |
| C_{0r} | 1.930.000 N | Basic static load rating, radial |
| C_{ur} | 53.000 N | Fatigue load limit, radial |
| n_G | 2.050 1/min | Limiting speed |
| n_{gr} | 990 1/min | Reference speed |
| $\approx m$ | 104 kg | Weight |

Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 320 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 520 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 4 mm | Maximum fillet radius |



Dimensions

| | | |
|------------|-----------|---|
| r_{\min} | 5 mm | Minimum chamfer dimension |
| D_1 | 455,2 mm | Shoulder diameter outer ring |
| d_1 | 388,55 mm | Shoulder diameter inner ring |
| a | 420 mm | Distance between the apexes of the pressure cones |
| a_n | 20 mm | Hight retaining slot |
| b_n | 15,5 mm | Width retaining slot |
| r_n | 3 mm | Radius retaining slot |
| | 45 ° | Angle retaining slot |
| α | 45 ° | 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