

**FAG****71892-MP-P5**

Angular contact ball bearing

Angular contact ball bearing 718.-MP, single row, solid brass cage



Technical information

**Your current product variant**

| | | |
|----------------------------------|---------|---|
| Sealing | Without | Not sealed |
| Cage | MP | Solid brass cage, ball guided |
| Tolerance class | P5 | Class 5 (ISO 492:2023) |
| Dimensional / heat stabilization | S1 | Rings dimensional stabilized up to 200° |
| Lubricant | Without | Bearing not greased |

Main Dimensions & Performance Data

| | | |
|-------------|-------------|-----------------------------------|
| d | 460 mm | Bore diameter |
| D | 580 mm | Outside diameter |
| B | 56 mm | Width |
| C_r | 380.000 N | Basic dynamic load rating, radial |
| C_{0r} | 740.000 N | Basic static load rating, radial |
| C_{ur} | 19.100 N | Fatigue load limit, radial |
| n_G | 1.550 1/min | Limiting speed |
| n_{gr} | 870 1/min | Reference speed |
| $\approx m$ | 32,2 kg | Weight |



Mounting dimensions

| | | |
|---------------|--------|--------------------------------------|
| $d_{a \min}$ | 472 mm | Minimum diameter of shaft shoulder |
| $D_{a \max}$ | 568 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$ | 574 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 2,5 mm | Maximum fillet radius of shaft |
| $r_{a1 \max}$ | 1 mm | Maximum fillet radius of housing |

Dimensions

| | | |
|--------------|-----------|---|
| r_{\min} | 3 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 1,1 mm | Minimum chamfer dimension |
| D_1 | 536,85 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 505,95 mm | Shoulder diameter on inner ring wide side face |
| a | 178,1 mm | Distance between the apexes of the pressure cones |
| α | 30 ° | Contact angle |

Temperature range

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

Characteristics

-  F_r Radial load
-  F_a Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Large bearing