

**FAG****71868-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 | Class5 (P5), better than P6 |
| Dimensional / heat stabilization | S1 | Rings dimensional stabilized up to 200° |
| Lubricant | Without | Bearing not greased |

Main Dimensions & Performance Data

| | | |
|-------------|-------------|-----------------------------------|
| d | 340 mm | Bore diameter |
| D | 420 mm | Outside diameter |
| B | 38 mm | Width |
| C_r | 214.000 N | Basic dynamic load rating, radial |
| C_{0r} | 350.000 N | Basic static load rating, radial |
| C_{ur} | 10.500 N | Fatigue load limit, radial |
| n_G | 2.190 1/min | Limiting speed |
| n_{gr} | 1.240 1/min | Reference speed |
| $\approx m$ | 11 kg | Weight |



Mounting dimensions

| | | |
|---------------|----------|--------------------------------------|
| $d_{a \min}$ | 350,2 mm | Minimum diameter of shaft shoulder |
| $D_{a \max}$ | 409,8 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$ | 414 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 2,1 mm | Maximum fillet radius of shaft |
| $r_{a1 \max}$ | 1 mm | Maximum fillet radius of housing |







Dimensions

| | | |
|--------------|----------|---|
| r_{\min} | 2,1 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 1,1 mm | Minimum chamfer dimension |
| D_1 | 390,7 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 370,9 mm | Shoulder diameter on inner ring wide side face |
| a | 128,7 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

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