

**FAG****71948-MP-P5-UA**

Angular contact ball bearing

Angular contact ball bearing 719...-MP, single row, solid brass cage



Technical information



Your current product variant

| | | |
|--|---------|---|
| Type of Seal | 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° |
| Bearing with matched conditions for fitting in pairs | UA | Bearing set with small axial internal clearance |
| Lubricant | Without | Bearing not greased |

Main Dimensions & Performance Data

| | | |
|-------------|-------------|-----------------------------------|
| d | 240 mm | Bore diameter |
| D | 320 mm | Outside diameter |
| B | 38 mm | Width |
| C_r | 188.000 N | Basic dynamic load rating, radial |
| C_{0r} | 265.000 N | Basic static load rating, radial |
| C_{ur} | 9.200 N | Fatigue load limit, radial |
| n_G | 2.950 1/min | Limiting speed |
| n_{gr} | 1.890 1/min | Reference speed |
| $\approx m$ | 7,21 kg | Weight |



Mounting dimensions

| | | |
|---------------|----------|--------------------------------------|
| $d_{a \min}$ | 250,2 mm | Minimum diameter of shaft shoulder |
| $D_{a \max}$ | 309,8 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$ | 314 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 | 290,85 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 270,7 mm | Shoulder diameter on inner ring wide side face |
| a | 99,8 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. |

Additional information

| | | |
|------------|-------------------|--|
| A_{\min} | 110 μm | Axial clearance per set min. |
| Tol (+) | 14 μm | Tolerance for axial clearance or preload per set |



Characteristics

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