

**FAG****71988-MP**

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 | PN | Normal (ISO 492:2023) |
| Dimensional / heat stabilization | S1 | Rings dimensional stabilized up to 200° |
| Lubricant | Without | Bearing not greased |

Main Dimensions & Performance Data

| | | |
|-------------|-------------|-----------------------------------|
| d | 440 mm | Bore diameter |
| D | 600 mm | Outside diameter |
| B | 74 mm | Width |
| C_r | 500.000 N | Basic dynamic load rating, radial |
| C_{0r} | 990.000 N | Basic static load rating, radial |
| C_{ur} | 25.500 N | Fatigue load limit, radial |
| n_G | 1.510 1/min | Limiting speed |
| n_{gr} | 920 1/min | Reference speed |
| $\approx m$ | 56,9 kg | Weight |





Mounting dimensions

| | | |
|---------------|----------|--------------------------------------|
| $d_{a \min}$ | 454,6 mm | Minimum diameter of shaft shoulder |
| $D_{a \max}$ | 585,4 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$ | 593 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 3 mm | Maximum fillet radius of shaft |
| $r_{a1 \max}$ | 1,5 mm | Maximum fillet radius of housing |

Dimensions

| | | |
|--------------|-----------|---------------------------------------------------|
| r_{\min} | 4 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 1,5 mm | Minimum chamfer dimension |
| D_1 | 540,45 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 501,9 mm | Shoulder diameter on inner ring wide side face |
| a | 187,1 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