

**FAG****7084-MP-UA**

Angular contact ball bearing

Angular contact ball bearing 70..-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 | PN | Normal (PN) |
| 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 | 420 mm | Bore diameter |
| D | 620 mm | Outside diameter |
| B | 90 mm | Width |
| C_r | 620.000 N | Basic dynamic load rating, radial |
| C_{0r} | 1.350.000 N | Basic static load rating, radial |
| C_{ur} | 31.000 N | Fatigue load limit, radial |
| n_G | 1.460 1/min | Limiting speed |
| n_{gr} | 910 1/min | Reference speed |
| $\approx m$ | 88,4 kg | Weight |



Mounting dimensions

| | | |
|---------------|----------|--------------------------------------|
| $d_{a \min}$ | 438 mm | Minimum diameter of shaft shoulder |
| $D_{a \max}$ | 602 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$ | 611,2 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 4 mm | Maximum fillet radius of shaft |
| $r_{a1 \max}$ | 2 mm | Maximum fillet radius of housing |

Dimensions

| | | |
|--------------|-----------|---|
| r_{\min} | 5 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 2 mm | Minimum chamfer dimension |
| D_1 | 547,6 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 496,75 mm | Shoulder diameter on inner ring wide side face |
| a | 195,1 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. |

Additional information

| | | |
|------------|-------------------|--|
| A_{\min} | 196 μm | Axial clearance per set min. |
| Tol (+) | 20 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