

**FAG****7240-B-MP-UA**

Angular contact ball bearing

Angular contact ball bearing 72..-B-MP, single row, solid brass cage



Technical information



Your current product variant

| | | |
|--|---------|---|
| Design variant | B | B |
| Sealing | 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° |
| 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 | 200 mm | Bore diameter |
| D | 360 mm | Outside diameter |
| B | 58 mm | Width |
| C _r | 325.000 N | Basic dynamic load rating, radial |
| C _{0r} | 480.000 N | Basic static load rating, radial |
| C _{ur} | 14.900 N | Fatigue load limit, radial |
| n _G | 2.750 1/min | Limiting speed |
| n _{gr} | 1.990 1/min | Reference speed |
| ≈m | 25,939 kg | Weight |



Mounting dimensions

| | | |
|---------------|--------|--------------------------------------|
| $d_{a \min}$ | 217 mm | Minimum diameter of shaft shoulder |
| $D_{a \max}$ | 343 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$ | 351 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 | 297,65 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 265,95 mm | Shoulder diameter on inner ring wide side face |
| a | 146,5 mm | Distance between the apexes of the pressure cones |
| α | 40 ° | Contact angle |

Temperature range

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

Additional information

| | | |
|------------|------------------|--|
| A_{\min} | 90 μm | Axial clearance per set min. |
| Tol (+) | 16 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