

**FAG****7218-B-XL-MP**

Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-MP,
single row, X-life, solid brass cage**X-life**

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 | S0 | Rings dimensional stabilized up to 150° |
| Lubricant | Without | Bearing not greased |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|-----------------------------------|
| d | 90 mm | Bore diameter |
| D | 160 mm | Outside diameter |
| B | 30 mm | Width |
| C _r | 114,000 N | Basic dynamic load rating, radial |
| C _{0r} | 98,000 N | Basic static load rating, radial |
| C _{ur} | 6,100 N | Fatigue load limit, radial |
| n _G | 7,200 1/min | Limiting speed |
| n _{gr} | 4,550 1/min | Reference speed |
| m | 2.47 kg | Weight |





Mounting dimensions

| | | |
|---------------|----------|--------------------------------------|
| $d_{a \min}$ | 101 mm | Minimum diameter of shaft shoulder |
| $D_{a \max}$ | 149 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$ | 154.4 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 2 mm | Maximum fillet radius of shaft |
| $r_{a1 \max}$ | 1 mm | Maximum fillet radius of housing |

Dimensions

| | | |
|--------------|----------|---|
| r_{\min} | 2 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 1 mm | Minimum chamfer dimension |
| D_1 | 133.4 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 117.5 mm | Shoulder diameter on inner ring wide side face |
| a | 67.4 mm | Distance between the apexes of the pressure cones |
| α | 40 ° | Contact angle |

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 150 °C | Operating temperature max. |

Characteristics

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