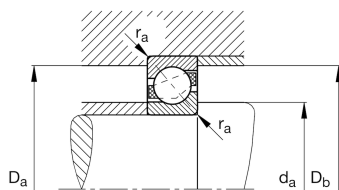
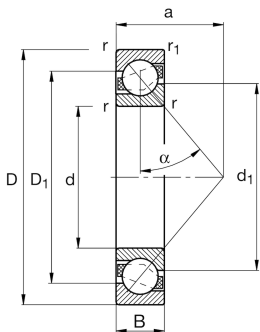


**FAG****X-life****7219-B-XL-MP-UA**

Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-MP,
single row, X-life, 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 (PN) |
| Dimensional / heat stabilization | S0 | Rings dimensional stabilized up to 150° |
| 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 | 95 mm | Bore diameter |
| D | 170 mm | Outside diameter |
| B | 32 mm | Width |
| C _r | 123,000 N | Basic dynamic load rating, radial |
| C _{0r} | 106,000 N | Basic static load rating, radial |
| C _{ur} | 6,400 N | Fatigue load limit, radial |
| n _G | 6,700 1/min | Limiting speed |
| n _{gr} | 4,450 1/min | Reference speed |
| m | 2.98 kg | Weight |



Mounting dimensions

| | | |
|---------------|--------|--------------------------------------|
| $d_{a\ min}$ | 107 mm | Minimum diameter of shaft shoulder |
| $D_{a\ max}$ | 158 mm | Maximum diameter of housing shoulder |
| $D_{b\ max}$ | 163 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 | 141.5 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 125.3 mm | Shoulder diameter on inner ring wide side face |
| a | 71.6 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. |


Additional information

| | | |
|------------|-------|--|
| A_{\min} | 54 µm | Axial clearance per set min. |
| Tol (+) | 12 µm | Tolerance for axial clearance or preload per set |


Characteristics



Radial load




Axial load in one direction



Grease Lubrication



Oil Lubrication



Not sealed