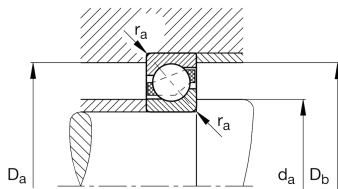
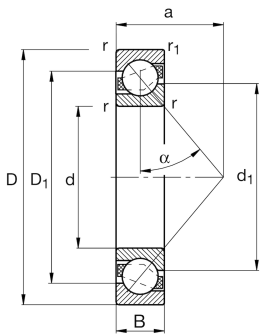


**FAG****X-life****7214-B-XL-MP-UA**

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                                               |
| Type of Seal                                         | 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°         |
| Bearing with matched conditions for fitting in pairs | UA      | Bearing set with small axial internal clearance |
| Lubricant                                            | Without | Bearing not greased                             |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 70 mm       | Bore diameter                     |
| D               | 125 mm      | Outside diameter                  |
| B               | 24 mm       | Width                             |
| C <sub>r</sub>  | 71.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 58.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 4.050 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 9.400 1/min | Limiting speed                    |
| n <sub>gr</sub> | 5.500 1/min | Reference speed                   |
| m               | 1,215 kg    | Weight                            |



Mounting dimensions

|               |          |                                      |
|---------------|----------|--------------------------------------|
| $d_{a\ min}$  | 79 mm    | Minimum diameter of shaft shoulder   |
| $D_{a\ max}$  | 116 mm   | Maximum diameter of housing shoulder |
| $D_{b\ max}$  | 119,4 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$  | 1,5 mm   | Maximum fillet radius of shaft       |
| $r_{a1\ max}$ | 1 mm     | Maximum fillet radius of housing     |

Dimensions

|              |           |                                                   |
|--------------|-----------|---------------------------------------------------|
| $r_{\min}$   | 1,5 mm    | Minimum chamfer dimension                         |
| $r_{1\ min}$ | 1 mm      | Minimum chamfer dimension                         |
| $D_1$        | 104,04 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 92,32 mm  | Shoulder diameter on inner ring wide side face    |
| $a$          | 52,9 mm   | Distance between the apexes of the pressure cones |
| $\alpha$     | 40 °      | Contact angle                                     |

Temperature range

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

Additional information

|            |       |                                                  |
|------------|-------|--------------------------------------------------|
| Tol (+)    | 12 µm | Tolerance for axial clearance or preload per set |
| $A_{\min}$ | 50 mm | Axial clearance per set min.                     |

Characteristics



Radial load



Axial load in one direction



Grease Lubrication



Oil Lubrication



Not sealed