



FAG



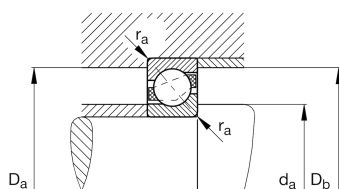
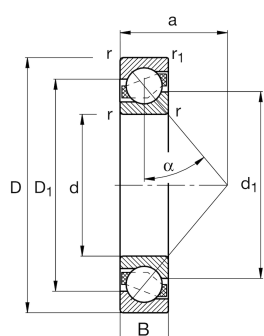
X-life

**7209-B-XL-JP-UA**

Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-JP,  
single row, X-life, steel sheet metal cage

## Informacje techniczne



## Twoja aktualna wersja produktu

|                                                      |         |                                                 |
|------------------------------------------------------|---------|-------------------------------------------------|
| Design variant                                       | B       | B                                               |
| Type of Seal                                         | Without | Not sealed                                      |
| Cage                                                 | JP      | Steel sheet metal                               |
| Tolerance class                                      | P6      | Class 6 (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               | 45 mm        | Bore diameter                     |
| D               | 85 mm        | Outside diameter                  |
| B               | 19 mm        | Width                             |
| C <sub>r</sub>  | 40.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 27.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 1.870 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 11.000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 8.000 1/min  | Reference speed                   |
| m               | 0,425 kg     | Masa                              |



### Mounting dimensions

|               |         |                                      |
|---------------|---------|--------------------------------------|
| $d_{a \min}$  | 52 mm   | Minimum diameter of shaft shoulder   |
| $D_{a \max}$  | 78 mm   | Maximum diameter of housing shoulder |
| $D_{b \max}$  | 80,8 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 1 mm    | Maximum fillet radius of shaft       |
| $r_{a1 \max}$ | 0,6 mm  | Maximum fillet radius of housing     |

### Dimensions

|            |          |                                                   |
|------------|----------|---------------------------------------------------|
| $r_{\min}$ | 1,1 mm   | Minimum chamfer dimension                         |
| $r_1 \min$ | 0,6 mm   | Minimum chamfer dimension                         |
| $D_1$      | 69,78 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$      | 61,19 mm | Shoulder diameter on inner ring wide side face    |
| $a$        | 36,8 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 (+)    | 8 $\mu$ m | Tolerance for axial clearance or preload per set |
| $A_{\min}$ | 44 mm     | Axial clearance per set min.                     |

### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia