

**FAG****X-life****7320-B-XL-JP-UL**

Angular contact ball bearing

Angular contact ball bearing 73..-B-XL-JP,  
single row, X-life, steel sheet metal cage

## Technical information

**Your current product variant**

|  |         |   |
|--|---------|---|
| Design variant                                       | B       | B                                       |
| Type of Seal   | Without | Not sealed                              |
| Cage   | JP      | Steel sheet metal                       |
| Tolerance class                                      | PN      | Normal (PN)                             |
| Dimensional / heat stabilization                     | S0      | Rings dimensional stabilized up to 150° |
| Bearing with matched conditions for fitting in pairs | UL      | Bearing set with light preload          |
| Lubricant  | Without | Bearing not greased                     |

**Main Dimensions & Performance Data**

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 100 mm      | Bore diameter                     |
| D               | 215 mm      | Outside diameter                  |
| B               | 47 mm       | Width                             |
| C <sub>r</sub>  | 214.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 197.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 10.900 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4.050 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.550 1/min | Reference speed                   |
| ≈m              | 7,476 kg    | Weight                            |



### Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a \min}$  | 114 mm | Minimum diameter of shaft shoulder   |
| $D_{a \max}$  | 201 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$  | 208 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 2,5 mm | Maximum fillet radius of shaft       |
| $r_{a1 \max}$ | 1 mm   | Maximum fillet radius of housing     |

### Dimensions

|              |           |   |
|--------------|-----------|---|
| $r_{\min}$   | 3 mm      | Minimum chamfer dimension                         |
| $r_{1 \min}$ | 1,1 mm    | Minimum chamfer dimension                         |
| $D_1$        | 171,72 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 146,26 mm | Shoulder diameter on inner ring wide side face    |
| $a$          | 89,6 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

|              |                   |  |
|--------------|-------------------|--|
| $V_{\max}$   | -14 $\mu\text{m}$ | Preload per set max.                             |
| Tol (+)      | 12 $\mu\text{m}$  | Tolerance for axial clearance or preload per set |
| $F_{V \max}$ | 1.485 N           | Preload force                                    |



### Characteristics

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