

**FAG****X-life****7315-B-XL-MP-UO**

Angular contact ball bearing

Angular contact ball bearing 73..-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 (PN)                                      |
| Dimensional / heat stabilization                     | S0      | Rings dimensional stabilized up to 150°          |
| Bearing with matched conditions for fitting in pairs | UO      | Bearing set clearance-free in O or X arrangement |
| Lubricant  | Without | Bearing not greased                              |

**Main Dimensions & Performance Data**

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 75 mm       | Bore diameter                     |
| D               | 160 mm      | Outside diameter                  |
| B               | 37 mm       | Width                             |
| C <sub>r</sub>  | 140.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 107.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 6.900 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 7.300 1/min | Limiting speed                    |
| n <sub>gr</sub> | 4.500 1/min | Reference speed                   |
| m               | 3,441 kg    | Weight                            |



### Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a \min}$  | 87 mm  | Minimum diameter of shaft shoulder   |
| $D_{a \max}$  | 148 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$  | 153 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                         |
| $D_1$        | 127,98 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 109,2 mm  | Shoulder diameter on inner ring wide side face    |
| $a$          | 67,8 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

|            |                  |  |
|------------|------------------|--|
| $A_{\min}$ | 0 $\mu\text{m}$  | Axial clearance per set min.                     |
| Tol (+)    | 12 $\mu\text{m}$ | Tolerance for axial clearance or preload per set |

### Characteristics

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