

**FAG****X-life****7207-B-XL-TVP** [🔗](#)

Angular contact ball bearing

Angular contact ball bearing 72...-B-XL-TVP,  
single row, X-life, plastic cage

## Technical information



## Your current product variant

|                                  |         |                                                         |
|----------------------------------|---------|---------------------------------------------------------|
| Design variant                   | B       | B                                                       |
| Type of Seal                     | Without | Not sealed                                              |
| Cage                             | TVP     | Solid cage made of glass-fiber reinforced polyamid PA66 |
| Tolerance class                  | P6      | Class 6 (ISO 492:2023)                                  |
| Dimensional / heat stabilization | S0      | Rings dimensional stabilized up to 150°                 |
| Lubricant                        | Without | Bearing not greased                                     |

## Main Dimensions &amp; Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 35 mm        | Bore diameter                     |
| D               | 72 mm        | Outside diameter                  |
| B               | 17 mm        | Width                             |
| C <sub>r</sub>  | 30.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 19.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 1.320 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 13.400 1/min | Limiting speed                    |
| n <sub>gr</sub> | 9.600 1/min  | Reference speed                   |
| ≈m              | 0,282 kg     | Weight                            |



Mounting dimensions

|               |         |                                      |
|---------------|---------|--------------------------------------|
| $d_{a\ min}$  | 42 mm   | Minimum diameter of shaft shoulder   |
| $D_{a\ max}$  | 65 mm   | Maximum diameter of housing shoulder |
| $D_{b\ max}$  | 67,8 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                         |
| $D_1$        | 57,64 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 50,17 mm | Shoulder diameter on inner ring wide side face    |
| $a$          | 30,9 mm  | Distance between the apexes of the pressure cones |
| $\alpha$     | 40 °     | Contact angle                                     |

Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

Characteristics

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