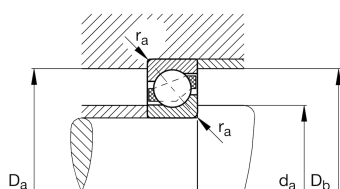
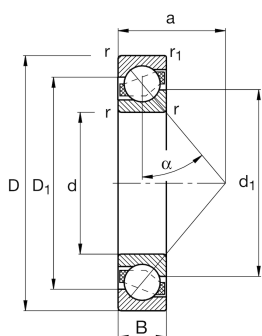


**FAG****X-life****7309-B-XL-TVP-UA** 

Angular contact ball bearing

Angular contact ball bearing 73...-B-XL-TVP,  
single row, X-life, plastic cageMateriálové číslo Schaeffler:  
0167260570000

## Technické informace



## Vaše aktuální varianta produktu

|                                                      |         |                                                         |
|------------------------------------------------------|---------|---------------------------------------------------------|
| Design variant                                       | B       | B                                                       |
| Sealing                                              | Without | Not sealed                                              |
| Cage                                                 | TVP     | Solid cage made of glass-fiber reinforced polyamid PA66 |
| Tolerance class                                      | P6      | Class6 (P6), better than PN                             |
| 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               | 100 mm      | Outside diameter                  |
| B               | 25 mm       | Width                             |
| C <sub>r</sub>  | 69.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 43.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 3.000 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 9.300 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.500 1/min | Reference speed                   |
| ≈m              | 0,815 kg    | Hmotnost                          |



Mounting dimensions

|               |         |                                      |
|---------------|---------|--------------------------------------|
| $d_{a\ min}$  | 54 mm   | Minimum diameter of shaft shoulder   |
| $D_{a\ max}$  | 91 mm   | Maximum diameter of housing shoulder |
| $D_{b\ max}$  | 94,4 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                         |
| $D_1$        | 79,8 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 66,7 mm | Shoulder diameter on inner ring wide side face    |
| $a$          | 42,9 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. |

Additional information

|            |       |                                                  |
|------------|-------|--------------------------------------------------|
| $A_{\min}$ | 44 μm | Axial clearance per set min.                     |
| Tol (+)    | 8 μm  | Tolerance for axial clearance or preload per set |

Vlastnosti

|                                                                                     |                                 |
|-------------------------------------------------------------------------------------|---------------------------------|
|  | Radiální zatížení               |
|  | Axiální zatížení v jednom směru |
|  | Mazání (plastickým) mazivem     |
|  | Mazání olejem                   |
|  | Neutěsněné                      |