

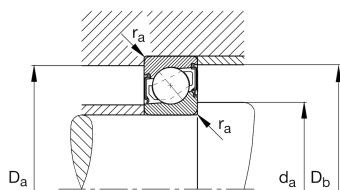
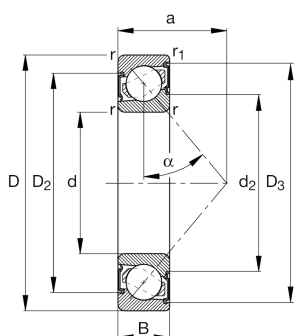
**FAG****X-life****7212-B-XL-2RS-TVP** 

Angular contact ball bearing

Angular contact ball bearing 72...-B-XL-2RS-TVP, single row, X-life, seals, plastic cage

Materiálové číslo Schaeffler:  
0227532810000

## Technické informace



## Vaše aktuální varianta produktu

|                                  |      |                                                         |
|----------------------------------|------|---------------------------------------------------------|
| Design variant                   | B    | B                                                       |
| Sealing                          | 2RS  | Contact seal on both sides                              |
| 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°                 |
| Lubricant                        | GA13 | Ball bearing and insert bearing grease                  |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 60 mm       | Bore diameter                     |
| D               | 110 mm      | Outside diameter                  |
| B               | 22 mm       | Width                             |
| C <sub>r</sub>  | 62.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 45.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 3.150 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.450 1/min | Limiting speed                    |
| ≈m              | 0,795 kg    | Hmotnost                          |



Mounting dimensions

|               |          |                                      |
|---------------|----------|--------------------------------------|
| $d_{a\ min}$  | 69 mm    | Minimum diameter of shaft shoulder   |
| $D_{a\ max}$  | 101 mm   | Maximum diameter of housing shoulder |
| $D_{b\ max}$  | 104,4 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                         |
| $D_1$        | 90,84 mm  | Shoulder diameter on outer ring wide side face    |
| $D_2$        | 94,36 mm  | Caliber diameter on outer ring wide side face     |
| $D_3$        | 103,42 mm | Caliber diameter on outer ring small side face    |
| $d_1$        | 80,32 mm  | Shoulder diameter on inner ring wide side face    |
| $d_2$        | 75,26 mm  | Caliber diameter on inner ring wide side face     |
| $a$          | 46,7 mm   | Distance between the apexes of the pressure cones |
| $\alpha$     | 40 °      | Contact angle                                     |

Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -20 °C | Operating temperature min. |
| $T_{\max}$ | 100 °C | Operating temperature max. |

Vlastnosti

|                                                                                     |                                        |
|-------------------------------------------------------------------------------------|----------------------------------------|
|  | Radiální zatížení                      |
|  | Axiální zatížení v jednom směru        |
|  | Celoživotní mazání bez nutnosti údržby |
|  | Mazání (plastickým) mazivem            |
|  | Utěsněné na obou stranách              |