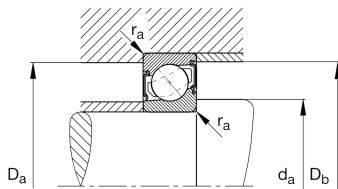
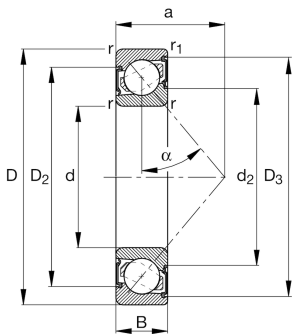


**FAG****X-life****7302-B-XL-2RS-TVP**

Angular contact ball bearing

Angular contact ball bearing 73...-B-XL-2RS-TVP, single row, X-life, seals, plastic cage

## Technical information



## Your current product variant

|                                  |      |                                                         |
|----------------------------------|------|---------------------------------------------------------|
| Design variant                   | B    | B                                                       |
| Type of Seal                     | 2RS  | Contact seal on both sides                              |
| 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                        | GA14 | Ball bearing grease, low noise                          |

## Main Dimensions &amp; Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 15 mm        | Bore diameter                     |
| D               | 42 mm        | Outside diameter                  |
| B               | 13 mm        | Width                             |
| C <sub>r</sub>  | 15.100 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 7.200 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 495 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 11.100 1/min | Limiting speed                    |
| ≈m              | 78 g         | Weight                            |



Mounting dimensions

|               |         |                                      |
|---------------|---------|--------------------------------------|
| $d_{a\ min}$  | 20,6 mm | Minimum diameter of shaft shoulder   |
| $D_{a\ max}$  | 36,4 mm | Maximum diameter of housing shoulder |
| $D_{b\ max}$  | 37,8 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 mm     | Minimum chamfer dimension                         |
| $r_{1\ min}$ | 0,6 mm   | Minimum chamfer dimension                         |
| $D_1$        | 31,65 mm | Shoulder diameter on outer ring wide side face    |
| $D_2$        | 33,29 mm | Caliber diameter on outer ring wide side face     |
| $D_3$        | 38,1 mm  | Caliber diameter on outer ring small side face    |
| $d_1$        | 25,99 mm | Shoulder diameter on inner ring wide side face    |
| $d_2$        | 22,93 mm | Caliber diameter on inner ring wide side face     |
| $a$          | 18,5 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. |

Characteristics

|                                                                                     |                                                |
|-------------------------------------------------------------------------------------|------------------------------------------------|
|  | Radial load                                    |
|  | Axial load in one direction                    |
|  | Lifetime lubrication, freedom from maintenance |
|  | Grease Lubrication                             |
|  | Sealed on both sides                           |