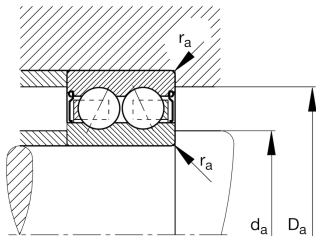
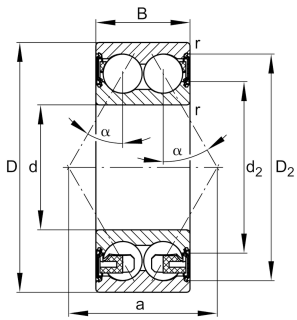


**FAG****X-life****3212-BD-XL-2HRS-TVH-C3**

Angular contact ball bearing

Angular contact ball bearing 32...-BD-XL-2HRS-TVH, double row, X-life, seals, plastic cage

## Technical information



## Your current product variant

|                                  |      |                                                             |
|----------------------------------|------|-------------------------------------------------------------|
| Design variant                   | B    | Bearing without filling slot                                |
| Sealing                          | 2HRS | Contact seal on both sides                                  |
| Cage                             | TVH  | 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, standard for D>62mm |
| Axial internal clearance         | C3   | Group 3 (C3), bigger than CN                                |

**n.r.**

|    |         |                |
|----|---------|----------------|
|    | D       | Design variant |
| ≈m | 1.27 kg | Weight         |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 60 mm       | Bore diameter                     |
| D               | 110 mm      | Outside diameter                  |
| B               | 36.5 mm     | Width                             |
| C <sub>r</sub>  | 75,000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 64,000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 4,400 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4,750 1/min | Limiting speed                    |



Mounting dimensions

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 69 mm  | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 101 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 1.5 mm | Maximum fillet radius                |

Dimensions

|            |           |                                                   |
|------------|-----------|---------------------------------------------------|
| $r_{\min}$ | 1.5 mm    | Minimum chamfer dimension                         |
| $D_1$      | 97.02 mm  | Shoulder diameter outer ring                      |
| $D_2$      | 100.51 mm | Caliber diameter outer ring                       |
| $d_1$      | 78.99 mm  | Shoulder diameter inner ring                      |
| $d_2$      | 76.58 mm  | Caliber diameter inner ring                       |
| $a$        | 64.7 mm   | Distance between the apexes of the pressure cones |
| $\alpha$   | 30 °      | 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                    |
|  | Axial load in two directions                   |
|  | Lifetime lubrication, freedom from maintenance |
|  | Grease Lubrication                             |
|  | Sealed on both sides                           |