

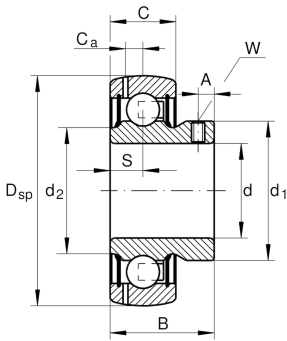
**AY12-XL-NPP-B**

Radial insert ball bearing

Radial insert ball bearings AY..-NPP-B,  
spherical outer ring, location by grub screws,  
P seals on both sides

X-life

## Technical information

**Main Dimensions & Performance Data**

|                 |         |                                   |
|-----------------|---------|-----------------------------------|
| d               | 12 mm   | Bore diameter                     |
| D <sub>SP</sub> | 40 mm   | Outside diameter                  |
| B               | 22 mm   | Width                             |
| C <sub>0r</sub> | 4.750 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 202 N   | Fatigue load limit, radial        |
| C <sub>r</sub>  | 9.800 N | Basic dynamic load rating, radial |
| ≈m              | 0,1 kg  | Weight                            |

**Dimensions**

|                |         |                                 |
|----------------|---------|---------------------------------|
| C              | 12 mm   | Width, outer ring               |
| S              | 6 mm    | Distance raceway                |
| d <sub>1</sub> | 23,9 mm | Rib diameter inner ring         |
| d <sub>2</sub> | 22,9 mm | Rib diameter sealing inner ring |
| A              | 4 mm    | Distance thread                 |
| W              | 2,5 mm  | Width of flats                  |

**Calculation factors**

|                |    |                    |
|----------------|----|--------------------|
| f <sub>0</sub> | 13 | Calculation factor |
|----------------|----|--------------------|



## Characteristics

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-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides
-  Static angular error and misalignment