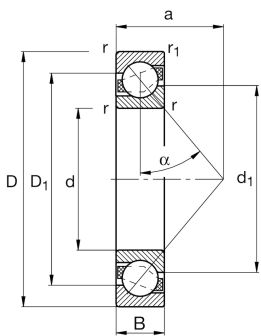


## Technical information



### Your current product variant

|  |         |   |
|--|---------|---|
| Design variant                                       | B       | B   |
| Type of seal   | 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 & Performance Data

|          |              |                                   |
|----------|--------------|-----------------------------------|
| d        | 20 mm        | Bore diameter                     |
| D        | 52 mm        | Outside diameter                  |
| B        | 15 mm        | Width                             |
| $C_r$    | 21.700 N     | Basic dynamic load rating, radial |
| $C_{0r}$ | 11.100 N     | Basic static load rating, radial  |
| $C_{ur}$ | 770 N        | Fatigue load limit, radial        |
| $n_G$    | 19.300 1/min | Limiting speed                    |
| $n_{gr}$ | 11.500 1/min | Reference speed                   |
| $m$      | 0,145 kg     | Weight                            |



### Mounting dimensions

|               |         |                                      |
|---------------|---------|--------------------------------------|
| $d_{a \min}$  | 27 mm   | Minimum diameter of shaft shoulder   |
| $D_{a \max}$  | 45 mm   | Maximum diameter of housing shoulder |
| $D_{b \max}$  | 47,8 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

|              |          |   |
|--------------|----------|---|
| $r_{\min}$   | 1,1 mm   | Minimum chamfer dimension                         |
| $r_{1 \min}$ | 0,6 mm   | Minimum chamfer dimension                         |
| $D_1$        | 39,74 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 33,04 mm | Shoulder diameter on inner ring wide side face    |
| $a$          | 22,6 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

|            |                  |  |
|------------|------------------|--|
| $A_{\min}$ | 28 $\mu\text{m}$ | Axial clearance per set min.                     |
| Tol (+)    | 8 $\mu\text{m}$  | Tolerance for axial clearance or preload per set |

### Characteristics

|   |                             |
|---|-----------------------------|
|  | Radial load                 |
|  | Axial load in one direction |
|  | Grease Lubrication          |
|  | Oil Lubrication             |
|  | Not sealed                  |