



## Technical information



### Your current product variant

|                                  |         |   |
|----------------------------------|---------|---|
| Design variant                   | B       | B   |
| Sealing                          | Without | Not sealed  |
| Cage                             | TVP     | Solid cage made of glass-fiber reinforced polyamid PA66 |
| Tolerance class                  | P5      | Class 5 (ISO 492:2023)                                  |
| Dimensional / heat stabilization | S0      | Rings dimensional stabilized up to 150°                 |
| Lubricant                        | Without | Bearing not greased                                     |

### Main Dimensions & Performance Data

|             |             |                                   |
|-------------|-------------|-----------------------------------|
| d           | 85 mm       | Bore diameter                     |
| D           | 150 mm      | Outside diameter                  |
| B           | 28 mm       | Width                             |
| $C_r$       | 97.000 N    | Basic dynamic load rating, radial |
| $C_{0r}$    | 86.000 N    | Basic static load rating, radial  |
| $C_{ur}$    | 5.500 N     | Fatigue load limit, radial        |
| $n_G$       | 5.900 1/min | Limiting speed                    |
| $n_{gr}$    | 4.750 1/min | Reference speed                   |
| $\approx m$ | 1,805 kg    | Weight                            |



### Mounting dimensions

|               |          |                                      |
|---------------|----------|--------------------------------------|
| $d_{a \min}$  | 96 mm    | Minimum diameter of shaft shoulder   |
| $D_{a \max}$  | 139 mm   | Maximum diameter of housing shoulder |
| $D_{b \max}$  | 144,4 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 2 mm     | Maximum fillet radius of shaft       |
| $r_{a1 \max}$ | 1 mm     | Maximum fillet radius of housing     |

### Dimensions

|              |          |   |
|--------------|----------|---|
| $r_{\min}$   | 2 mm     | Minimum chamfer dimension                         |
| $r_{1 \min}$ | 1 mm     | Minimum chamfer dimension                         |
| $D_1$        | 125 mm   | Shoulder diameter on outer ring wide side face    |
| $d_1$        | 110,6 mm | Shoulder diameter on inner ring wide side face    |
| $a$          | 63,3 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. |

### Characteristics

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