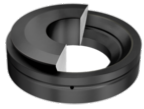


**GE30-AX**

## Spherical plain bearing

Axial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel



## Technical information

**Your current product variant**

|             |                                                                                  |
|-------------|----------------------------------------------------------------------------------|
| Maintenance | Maintenance required                                                             |
| Coating     | Durotect M<br>Inner- and outer ring coated with Durotect M (Manganese Phosphate) |

**Main Dimensions & Performance Data**

|                 |           |                                  |
|-----------------|-----------|----------------------------------|
| d               | 30 mm     | Inner diameter bearing           |
| D               | 75 mm     | Outside diameter bearing         |
| T               | 26 mm     | Height                           |
| C <sub>a</sub>  | 220.000 N | Basic dynamic load rating, axial |
| C <sub>0a</sub> | 848.000 N | Basic static load rating, axial  |
| ≈m              | 0,645 kg  | Weight                           |

**Mounting dimensions**

|                    |        |                               |
|--------------------|--------|-------------------------------|
| r <sub>1smin</sub> | 1 mm   | Edge Spacing                  |
| r <sub>2smin</sub> | 0,3 mm | Edge Spacing                  |
| d <sub>a max</sub> | 56 mm  | Connection measure Inner ring |
| D <sub>a min</sub> | 49 mm  | Housing Connection Diameter   |



### Dimensions

|          |           |                                        |
|----------|-----------|----------------------------------------|
| $d_K$    | 80 mm     | Ball diameter                          |
| $d_3$    | 56        | Front surface diameter of shaft washer |
| $D_1$    | 44 mm     | Inner diameter of housing washer       |
| B        | 18 mm     | Width Inner ring                       |
| C        | 19,5 mm   | Width Outer ring                       |
| s        | 17,5 mm   | Plane Surface Spacing                  |
| A        | 8 mm      | Distance lubrication Bore              |
| $\alpha$ | 6 °       | Tilt angle                             |
| $d_{OT}$ | 0 mm      | Bore diameter bearing, upper tolerance |
| $d_{UT}$ | -0,01 mm  | Bore diameter bearing, lower tolerance |
| $D_{OT}$ | 0 mm      | Outer diameter, upper tolerance        |
| $D_{UT}$ | -0,013 mm | Outside diameter, lower tolerance      |
| $T_{OT}$ | 0 mm      | Height, upper tolerance                |
| $T_{UT}$ | -0,4 mm   | Height, lower tolerance                |
| $C_{UT}$ | 0 mm      | Width outer ring, upper tolerance      |
| $C_{OT}$ | -0,24 mm  | Width outer ring, lower tolerance      |
| $B_{OT}$ | 0 mm      | Width inner ring, upper tolerance      |
| $B_{UT}$ | -0,24 mm  | Width inner ring, lower tolerance      |
| $d_2$    | 69 mm     | Connection measure Inner ring          |

### Temperature range

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -60 °C | Operating temperature min. |
| $T_{max}$ | 200 °C | Operating temperature max. |



### Characteristics

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Radial load



Axial load in one direction



Grease Lubrication



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment