

**GE17-DO-C2**

## Spherical plain bearing

Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series E, open design High-performance: For highest load rating and lifetime demands

## Technical information



## Your current product variant

|                           |   |
|---------------------------|---|
| Maintenance               | Maintenance required  |
| Material                  | Steel   |
| Sealing                   | Without   |
| Radial internal clearance | C2 (Group 2) Internal clearance smaller than CN                               |
| Coating                   | Durotect M Inner- and outer ring coated with Durotect M (Manganese Phosphate) |

## Main Dimensions &amp; Performance Data

|                 |           |                                   |
|-----------------|-----------|-----------------------------------|
| d               | 17 mm     | Bore diameter bearing             |
| D               | 30 mm     | Outside diameter bearing          |
| B               | 14 mm     | Width inner ring                  |
| C <sub>r</sub>  | 27.600 N  | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 106.000 N | Basic static load rating, radial  |
| m               | 0,042 kg  | Weight                            |

## Mounting dimensions

|                    |         |                               |
|--------------------|---------|-------------------------------|
| r <sub>1min</sub>  | 0,3 mm  | Edge Spacing                  |
| r <sub>2min</sub>  | 0,3 mm  | Edge Spacing                  |
| d <sub>a max</sub> | 20,7 mm | Connection measure Inner ring |
| D <sub>a min</sub> | 24 mm   | Housing Connection Diameter   |



## Dimensions

|            |             |  |
|------------|-------------|--|
| C          | 10 mm       | Width Outer ring                       |
| $d_K$      | 25 mm       | Ball diameter                          |
| $\alpha$   | 10 °        | Tilt angle                             |
| $d_{OT}$   | 0 mm        | Bore diameter bearing, upper tolerance |
| $d_{UT}$   | -0,008 mm   | Bore diameter bearing, lower tolerance |
| $D_{OT}$   | 0 mm        | Outside diameter, upper tolerance      |
| $D_{UT}$   | -0,009 mm   | Outside diameter, lower tolerance      |
| $B_{OT}$   | 0 mm        | Width inner ring, upper tolerance      |
| $B_{UT}$   | -0,12 mm    | Width inner ring, lower tolerance      |
| $C_{OT}$   | 0 mm        | Width outer ring, upper tolerance      |
| $C_{UT}$   | -0,24 mm    | Width outer ring, lower tolerance      |
| $G_r$      | 0,01 - 0,04 | Radial Clearance                       |
| $G_{rmax}$ | 0,04 mm     | Radial clearance, maximum              |
| $G_{rmin}$ | 0,01 mm     | Radial clearance, minimum              |

## Temperature range

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

## Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Not sealed
-  Static angular error and misalignment
-  Dynamic angular error and misalignment