

**GE15-DO-C3**

## 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 | C3 (Group 3) Internal clearance larger than CN                                |
| Coating                   | Durotect M Inner- and outer ring coated with Durotect M (Manganese Phosphate) |

## Main Dimensions &amp; Performance Data

|                 |          |                                   |
|-----------------|----------|-----------------------------------|
| d               | 15 mm    | Bore diameter bearing             |
| D               | 26 mm    | Outside diameter bearing          |
| B               | 12 mm    | Width inner ring                  |
| C <sub>r</sub>  | 21.900 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 84.200 N | Basic static load rating, radial  |
| m               | 0,026 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> | 18,4 mm | Connection measure Inner ring |
| D <sub>a min</sub> | 21 mm   | Housing Connection Diameter   |



## Dimensions

|                   |               |  |
|-------------------|---------------|--|
| C                 | 9 mm          | Width Outer ring                       |
| d <sub>K</sub>    | 22 mm         | Ball diameter                          |
| α                 | 8 °           | Tilt angle                             |
| d <sub>OT</sub>   | 0 mm          | Bore diameter bearing, upper tolerance |
| d <sub>UT</sub>   | -0,008 mm     | Bore diameter bearing, lower tolerance |
| D <sub>OT</sub>   | 0 mm          | Outside diameter, upper tolerance      |
| D <sub>UT</sub>   | -0,009 mm     | Outside diameter, lower tolerance      |
| B <sub>OT</sub>   | 0 mm          | Width inner ring, upper tolerance      |
| B <sub>UT</sub>   | -0,12 mm      | Width inner ring, lower tolerance      |
| C <sub>OT</sub>   | 0 mm          | Width outer ring, upper tolerance      |
| C <sub>UT</sub>   | -0,24 mm      | Width outer ring, lower tolerance      |
| G <sub>r</sub>    | 0,082 - 0,124 | Radial Clearance                       |
| G <sub>rmax</sub> | 0,082 mm      | Radial clearance, maximum              |
| G <sub>rmin</sub> | 0,04 mm       | Radial clearance, minimum              |

## Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -60 °C | Operating temperature min. |
| T <sub>max</sub> | 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 |