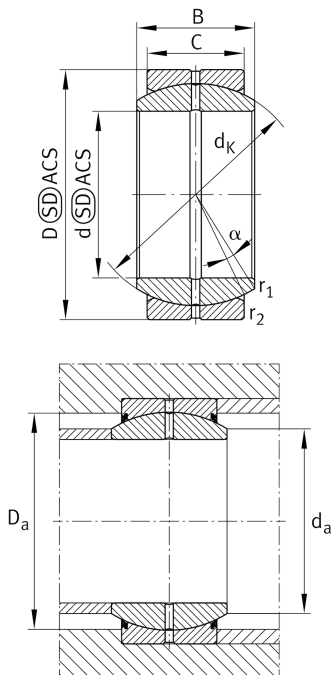
**GE25-DO**

## 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                |                                                                    |
| Type of Seal              | Without              |                                                                    |
| Radial internal clearance | CN (Group N)         | Normal internal clearance                                          |
| Coating                   | Durotect M           | Inner- and outer ring coated with Durotect M (Manganese Phosphate) |

## Main Dimensions &amp; Performance Data

|                 |           |                                   |
|-----------------|-----------|-----------------------------------|
| d               | 25 mm     | Bore diameter bearing             |
| D               | 42 mm     | Outside diameter bearing          |
| B               | 20 mm     | Width inner ring                  |
| C <sub>r</sub>  | 62.800 N  | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 241.000 N | Basic static load rating, radial  |
| m               | 0,112 kg  | Weight                            |

## Mounting dimensions

|                    |         |                               |
|--------------------|---------|-------------------------------|
| r <sub>1min</sub>  | 0,6 mm  | Edge Spacing                  |
| r <sub>2min</sub>  | 0,6 mm  | Edge Spacing                  |
| d <sub>a max</sub> | 29,3 mm | Connection measure Inner ring |
| D <sub>a min</sub> | 33 mm   | Housing Connection Diameter   |



Dimensions

|                   |            |                                        |
|-------------------|------------|----------------------------------------|
| C                 | 16 mm      | Width Outer ring                       |
| d <sub>K</sub>    | 35,5 mm    | Ball diameter                          |
| α                 | 7 °        | Tilt angle                             |
| d <sub>OT</sub>   | 0 mm       | Bore diameter bearing, upper tolerance |
| d <sub>UT</sub>   | -0,01 mm   | Bore diameter bearing, lower tolerance |
| D <sub>OT</sub>   | 0 mm       | Outside diameter, upper tolerance      |
| D <sub>UT</sub>   | -0,011 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>    | 0,05 - 0,1 | Radial Clearance                       |
| G <sub>rmax</sub> | 0,1 mm     | Radial clearance, maximum              |
| G <sub>rmin</sub> | 0,05 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