

**GE57-ZO-E**

## Spherical plain bearing

Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, inch size, open design

## Technical information



## Your current product variant

|                           |  |
|---------------------------|--|
| Maintenance               | Maintenance required   |
| Material                  | Steel  |
| Type of Sealing           | 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               | 57,15 mm    | Bore diameter bearing             |
| D               | 90,488 mm   | Outside diameter bearing          |
| B               | 50,013 mm   | Width inner ring                  |
| C <sub>r</sub>  | 281.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 1.410.000 N | Basic static load rating, radial  |
| ≈m              | 1,6 kg      | Weight                            |

## Mounting dimensions

|                    |        |                               |
|--------------------|--------|-------------------------------|
| r <sub>1smin</sub> | 0,6 mm | Edge Spacing                  |
| r <sub>2smin</sub> | 1 mm   | Edge Spacing                  |
| d <sub>a max</sub> | 65 mm  | Connection measure Inner ring |
| D <sub>a min</sub> | 73 mm  | Housing Connection Diameter   |



### Dimensions

|                   |           |  |
|-------------------|-----------|--|
| C                 | 42,85 mm  | Width Outer ring                       |
| d <sub>K</sub>    | 82 mm     | Ball diameter                          |
| α                 | 6 °       | Tilt angle                             |
| d <sub>OT</sub>   | 0 mm      | Bore diameter bearing, upper tolerance |
| d <sub>UT</sub>   | -0,015 mm | Bore diameter bearing, lower tolerance |
| d <sub>T</sub>    | 0,015     | Bore diameter bearing, tolerance       |
| D <sub>OT</sub>   | 0 mm      | Outside diameter, upper tolerance      |
| D <sub>UT</sub>   | -0,015 mm | Outside diameter, lower tolerance      |
| B <sub>OT</sub>   | 0 mm      | Width inner ring, upper tolerance      |
| B <sub>UT</sub>   | -0,15 mm  | Width inner ring, lower tolerance      |
| C <sub>OT</sub>   | 0 mm      | Width outer ring, upper tolerance      |
| C <sub>UT</sub>   | -0,4 mm   | Width outer ring, lower tolerance      |
| G <sub>r</sub>    | 0,1 - 0,2 | Radial Clearance                       |
| G <sub>rmax</sub> | 0,2 mm    | Radial clearance, maximum              |
| G <sub>rmin</sub> | 0,1 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

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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