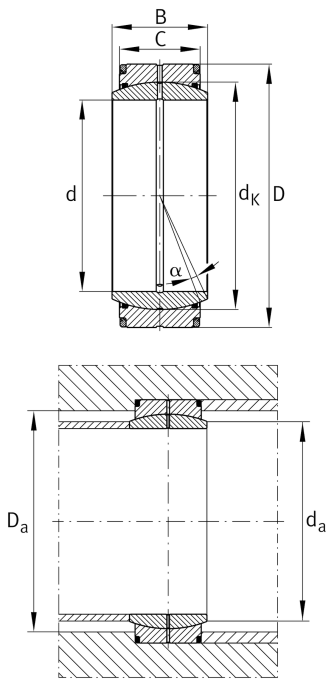


**GE670-DO-2RS4**

## Spherical plain bearing

Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel; DIN ISO 12240-1, dimension series C, sealed

## Technical information

**Your current product variant**

|                           |                      |  |
|---------------------------|----------------------|--|
| Maintenance               | Maintenance required |  |
| Material                  | Steel                |  |
| Type of Seal              | 2RS4                 | Lip seals with increased sealing action on both sides              |
| Radial internal clearance | CN (Group N)         | Normal internal clearance  |
| Coating                   | Durotect M           | Inner- and outer ring coated with Durotect M (Manganese Phosphate) |

**Main Dimensions & Performance Data**

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 670 mm       | Bore diameter bearing             |
| D               | 900 mm       | Outside diameter bearing          |
| B               | 308 mm       | Width inner ring                  |
| C <sub>r</sub>  | 23.300.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 89.700.000 N | Basic static load rating, radial  |
| m               | 589,7 kg     | Weight                            |

**Mounting dimensions**

|                    |          |                               |
|--------------------|----------|-------------------------------|
| r <sub>1min</sub>  | 3 mm     | Edge Spacing                  |
| r <sub>2min</sub>  | 6 mm     | Edge Spacing                  |
| d <sub>a max</sub> | 722,1 mm | Connection measure Inner ring |
| D <sub>a min</sub> | 746 mm   | Housing Connection Diameter   |



### Dimensions

|            |             |  |
|------------|-------------|--|
| C          | 260 mm      | Width Outer ring                       |
| $d_K$      | 785 mm      | Ball diameter                          |
| $\alpha$   | 3,7 °       | Tilt angle                             |
| $d_{OT}$   | 0 mm        | Bore diameter bearing, upper tolerance |
| $d_{UT}$   | -0,075 mm   | Bore diameter bearing, lower tolerance |
| $D_{OT}$   | 0 mm        | Outside diameter, upper tolerance      |
| $D_{UT}$   | -0,1 mm     | Outside diameter, lower tolerance      |
| $B_{OT}$   | 0 mm        | Width inner ring, upper tolerance      |
| $B_{UT}$   | -0,75 mm    | Width inner ring, lower tolerance      |
| $C_{OT}$   | 0 mm        | Width outer ring, upper tolerance      |
| $C_{UT}$   | -1,2 mm     | Width outer ring, lower tolerance      |
| $G_r$      | 0,16 - 0,32 | Radial Clearance                       |
| $G_{rmax}$ | 0,32 mm     | Radial clearance, maximum              |
| $G_{rmin}$ | 0,16 mm     | Radial clearance, minimum              |

### Temperature range

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -30 °C | Operating temperature min. |
| $T_{max}$ | 130 °C | Operating temperature max. |



### Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Sealed on both sides



Large bearing



Static angular error and misalignment



Dynamic angular error and misalignment