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02.11.2026, 09:04:04 SGT

SCHAEFFLER



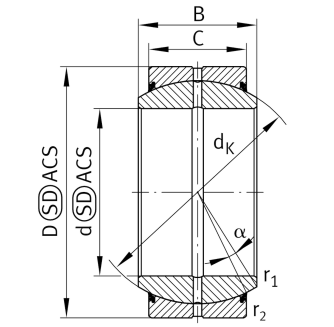
# GE40-DO-2RS

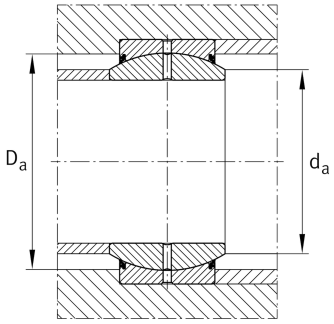
Spherical plain bearing

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

Schaeffler ID
0066481500000

## Technical information




### Your current product variant

| | | |
|---|---|---|
| Maintenance | Maintenance required | |
| Material | Steel | |
| Sealing | 2RS | Lip seals 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 | 40 mm | Bore diameter bearing |
| D | 62 mm | Outside diameter bearing |
| B | 28 mm | Width inner ring |
| $C_r$ | 129,000 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 496,000 N | Basic static load rating, radial |
| ≈m | 0.297 kg | Weight |

### Mounting dimensions

| | | |
|---|---|---|
| $r_{1smin}$ | 0.6 mm | Edge Spacing |
| $r_{2smin}$ | 1 mm | Edge Spacing |
| $d_{a\ max}$ | 45 mm | Connection measure Inner ring |
| $D_{a\ min}$ | 51 mm | Housing Connection Diameter |

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website

## Dimensions

| | | |
|---|---|---|
| C | 22 mm | Width Outer ring |
| $d_K$ | 53 mm | Ball diameter |
| α | 7 ° | Tilt angle |
| $d_{OT}$ | 0 mm | Bore diameter bearing, upper tolerance |
| $d_{UT}$ | -0.012 mm | Bore diameter bearing, lower tolerance |
| $D_{OT}$ | 0 mm | Outside diameter, upper tolerance |
| $D_{UT}$ | -0.013 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 |
| $C_{UT}$ | -0.3 mm | Width outer ring, lower tolerance |
| $G_r$ | 0,06 - 0,12 | Radial Clearance |
| $G_{rmax}$ | 0.12 mm | Radial clearance, maximum |
| $G_{rmin}$ | 0.06 mm | Radial clearance, minimum |

## Temperature range

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

## Characteristics

- Radial load
- Axial load in one direction
- Axial load in two directions
- Grease Lubrication
- Sealed on both sides
- Static angular error and misalignment
- Dynamic angular error and misalignment

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