

**GE25-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, sealed
High-performance: For highest load rating and lifetime demands

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 | 25 mm | Bore diameter bearing |
| D | 42 mm | Outside diameter bearing |
| B | 20 mm | Width inner ring |
| C _r | 62.800 N | Basic dynamic load rating, radial |
| C _{0r} | 241.000 N | Basic static load rating, radial |
| ≈m | 0,108 kg | Weight |

Mounting dimensions

| | | |
|--------------------|---------|-------------------------------|
| r _{1smin} | 0,6 mm | Edge Spacing |
| r _{2smin} | 0,6 mm | Edge Spacing |
| d _{a max} | 29,3 mm | Connection measure Inner ring |
| D _{a min} | 33 mm | Housing Connection Diameter |



Dimensions

| | | |
|-------------------|------------|--|
| C | 16 mm | Width Outer ring |
| d _K | 35,5 mm | Ball diameter |
| α | 7 ° | Tilt angle |
| d _{OT} | 0 mm | Bore diameter bearing, upper tolerance |
| d _{UT} | -0,01 mm | Bore diameter bearing, lower tolerance |
| D _{OT} | 0 mm | Outside diameter, upper tolerance |
| D _{UT} | -0,011 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} | -0,24 mm | Width outer ring, lower tolerance |
| G _r | 0,05 - 0,1 | Radial Clearance |
| G _{rmax} | 0,1 mm | Radial clearance, maximum |
| G _{rmin} | 0,05 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 |