



GE50-DO-2RS

Spherical plain bearing

Schaeffler ID:
0066481850000

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

Technical information

Main Dimensions & Performance Data

| | | |
|----------|-----------|-----------------------------------|
| d | 50 mm | Bore diameter bearing |
| D | 75 mm | Outside diameter bearing |
| B | 35 mm | Width Inner ring |
| C_r | 157.000 N | Basic dynamic load rating, radial |
| C_{0r} | 785.000 N | Basic static load rating, radial |
| | 0,53 kg | Weight |

Dimensions

| | | |
|-------------|----------------|--|
| C | 28 mm | Width Outer ring |
| d_K | 66 mm | Ball diameter |
| α | 6 ° | Tilt angle |
| r_{1smin} | 0,6 mm | Edge Spacing |
| r_{2smin} | 1 mm | Edge Spacing |
| 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 |
| G_r | 0,06 - 0,12 mm | Radial Clearance |
| 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 |

Mounting dimensions

| | | |
|-------------|---------|-------------------------------|
| $d_{a max}$ | 55,9 mm | Connection measure Inner ring |
| $D_{a min}$ | 63 mm | Housing Connection Diameter |

Temperature range

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

