

**GE90-DO-2RS-HLN**

Spherical plain bearing

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

Technical information



Your current product variant

| | | |
|---------------------------|----------------------|--|
| Maintenance | Maintenance required | |
| Material | Steel | |
| Type of Seal | 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 | 90 mm | Bore diameter bearing |
| D | 130 mm | Outside diameter bearing |
| B | 60 mm | Width inner ring |
| C _r | 489.000 N | Basic dynamic load rating, radial |
| C _{0r} | 2.440.000 N | Basic static load rating, radial |
| ≈m | 2,653 kg | Weight |

Mounting dimensions

| | | |
|--------------------|----------|-------------------------------|
| r _{1smin} | 1 mm | Edge Spacing |
| r _{2smin} | 1 mm | Edge Spacing |
| d _{a max} | 98,1 mm | Connection measure Inner ring |
| D _{a min} | 108,6 mm | Housing Connection Diameter |



Dimensions

| | | |
|-------------------|---------------|--|
| C | 50 mm | Width Outer ring |
| d _K | 115 mm | Ball diameter |
| α | 5 ° | Tilt angle |
| d _{OT} | 0 mm | Bore diameter bearing, upper tolerance |
| d _{UT} | -0,02 mm | Bore diameter bearing, lower tolerance |
| D _{OT} | 0 mm | Outside diameter, upper tolerance |
| D _{UT} | -0,018 mm | Outside diameter, lower tolerance |
| B _{OT} | 0 mm | Width inner ring, upper tolerance |
| B _{UT} | -0,2 mm | Width inner ring, lower tolerance |
| C _{OT} | 0 mm | Width outer ring, upper tolerance |
| C _{UT} | -0,5 mm | Width outer ring, lower tolerance |
| G _r | 0,072 - 0,142 | Radial Clearance |
| G _{rmax} | 0,142 mm | Radial clearance, maximum |
| G _{rmin} | 0,072 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