

**GE70-LO-E**

Spherical plain bearing

Standard performance Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series W, cylindrical extensions on inner ring, open design

Technical information

**Your current product variant**

| | | |
|---------------------------|----------------------|--|
| Maintenance | Maintenance required | |
| Material | Steel | |
| Type of Seal | Without | |
| 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 | 70 mm | Bore diameter bearing |
| D | 105 mm | Outside diameter bearing |
| B | 70 mm | Width inner ring |
| C _r | 313.000 N | Basic dynamic load rating, radial |
| C _{0r} | 1.560.000 N | Basic static load rating, radial |
| ≈m | 1,6 kg | Weight |

Mounting dimensions

| | | |
|--------------------|---------|-------------------------------|
| r _{1smin} | 1 mm | Edge Spacing |
| r _{2smin} | 1 mm | Edge Spacing |
| d _{a max} | 79 mm | Connection measure Inner ring |
| D _{a min} | 86,6 mm | Housing Connection Diameter |



Dimensions

| | | |
|-------------------|---------------|--|
| C | 40 mm | Width Outer ring |
| d _K | 92 mm | Ball diameter |
| α | 4 ° | Tilt angle |
| d _{OT} | 0,03 mm | Bore diameter bearing, upper tolerance |
| d _{UT} | 0 mm | Bore diameter bearing, lower tolerance |
| D _{OT} | 0 mm | Outside diameter, upper tolerance |
| D _{UT} | -0,015 mm | Outside diameter, lower tolerance |
| B _{OT} | 0 mm | Width inner ring, upper tolerance |
| B _{UT} | -0,3 mm | Width inner ring, lower tolerance |
| C _{OT} | 0 mm | Width outer ring, upper tolerance |
| C _{UT} | -0,4 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} | -60 °C | Operating temperature min. |
| T _{max} | 200 °C | Operating temperature max. |

Characteristics

| | |
|---|--|
|  | Radial load |
|  | Axial load in one direction |
|  | Axial load in two directions |
|  | Grease Lubrication |
|  | Not sealed |
|  | Static angular error and misalignment |
|  | Dynamic angular error and misalignment |