

**GE82-ZO-E**

Spherical plain bearing

Spherical plain bearing

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 | 82,55 mm | Bore diameter bearing |
| D | 130,175 mm | Outside diameter bearing |
| B | 72,238 mm | Width inner ring |
| C _r | 589.000 N | Basic dynamic load rating, radial |
| C _{0r} | 2.950.000 N | Basic static load rating, radial |
| ≈m | 3,8 kg | Weight |

Mounting dimensions

| | | |
|--------------------|---------|-------------------------------|
| r _{1smin} | 1 mm | Edge Spacing |
| r _{2smin} | 1 mm | Edge Spacing |
| d _{a max} | 94,5 mm | Connection measure Inner ring |
| D _{a min} | 106 mm | Housing Connection Diameter |



Dimensions

| | | |
|-------------------|-------------|--|
| C | 61,9 mm | Width Outer ring |
| d _K | 119 mm | Ball diameter |
| α | 6 ° | Tilt angle |
| d _{OT} | 0 mm | Bore diameter bearing, upper tolerance |
| d _{UT} | -0,02 mm | Bore diameter bearing, lower tolerance |
| d _T | 0,02 | Bore diameter bearing, 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 | 0,13 - 0,23 | Radial Clearance |
| G _{rmax} | 0,23 mm | Radial clearance, maximum |
| G _{rmin} | 0,13 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