

**GE120-ZO-E**

Spherical plain bearing

Spherical plain bearing

## Technical information

**Your current product variant**

|                           |   |
|---------------------------|---|
| Maintenance               | Maintenance required  |
| Material                  | Steel   |
| Sealing                   | 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               | 120,65 mm   | Bore diameter bearing             |
| D               | 187,325 mm  | Outside diameter bearing          |
| B               | 105,562 mm  | Width inner ring                  |
| C <sub>r</sub>  | 1.470.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 7.330.000 N | Basic static load rating, radial  |
| ≈m              | 11,5 kg     | Weight                            |

**Mounting dimensions**

|                    |          |                               |
|--------------------|----------|-------------------------------|
| r <sub>1smin</sub> | 1 mm     | Edge Spacing                  |
| r <sub>2smin</sub> | 1 mm     | Edge Spacing                  |
| d <sub>a max</sub> | 137,6 mm | Connection measure Inner ring |
| D <sub>a min</sub> | 155 mm   | Housing Connection Diameter   |



## Dimensions

|                   |             |  |
|-------------------|-------------|--|
| C                 | 90,475 mm   | Width Outer ring                       |
| d <sub>K</sub>    | 173,5 mm    | Ball diameter                          |
| α                 | 6 °         | Tilt angle                             |
| d <sub>OT</sub>   | 0 mm        | Bore diameter bearing, upper tolerance |
| d <sub>UT</sub>   | -0,025 mm   | Bore diameter bearing, lower tolerance |
| d <sub>T</sub>    | 0,025       | Bore diameter bearing, tolerance       |
| D <sub>OT</sub>   | 0 mm        | Outside diameter, upper tolerance      |
| D <sub>UT</sub>   | -0,035 mm   | Outside diameter, lower tolerance      |
| B <sub>OT</sub>   | 0 mm        | Width inner ring, upper tolerance      |
| B <sub>UT</sub>   | -0,25 mm    | Width inner ring, lower tolerance      |
| C <sub>OT</sub>   | 0 mm        | Width outer ring, upper tolerance      |
| C <sub>UT</sub>   | -0,6 mm     | Width outer ring, lower tolerance      |
| G <sub>r</sub>    | 0,13 - 0,23 | Radial Clearance                       |
| G <sub>rmax</sub> | 0,23 mm     | Radial clearance, maximum              |
| G <sub>rmin</sub> | 0,13 mm     | Radial clearance, minimum              |

## Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -60 °C | Operating temperature min. |
| T <sub>max</sub> | 200 °C | Operating temperature max. |



### Characteristics

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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