

**GE82-ZO-E**

Spherical plain bearing

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## 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	82,55 mm	Bore diameter bearing
D	130,175 mm	Outside diameter bearing
B	72,238 mm	Width inner ring
C <sub>r</sub>	589.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	2.950.000 N	Basic static load rating, radial
≈m	3,8 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>	94,5 mm	Connection measure Inner ring
D <sub>a min</sub>	106 mm	Housing Connection Diameter



## Dimensions

C	61,9 mm	Width Outer ring
d <sub>K</sub>	119 mm	Ball diameter
α	6 °	Tilt angle
d <sub>OT</sub>	0 mm	Bore diameter bearing, upper tolerance
d <sub>UT</sub>	-0,02 mm	Bore diameter bearing, lower tolerance
d <sub>T</sub>	0,02	Bore diameter bearing, tolerance
D <sub>OT</sub>	0 mm	Outside diameter, upper tolerance
D <sub>UT</sub>	-0,018 mm	Outside diameter, lower tolerance
B <sub>OT</sub>	0 mm	Width inner ring, upper tolerance
B <sub>UT</sub>	-0,2 mm	Width inner ring, lower tolerance
C <sub>OT</sub>	0 mm	Width outer ring, upper tolerance
C <sub>UT</sub>	-0,5 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