

**GE19-ZO-2RS-E**

Spherical plain bearing

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## Technical information

**Your current product variant**

Maintenance	Maintenance required
Material	Steel
Sealing	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	19,05 mm	Bore diameter bearing
D	31,75 mm	Outside diameter bearing
B	16,662 mm	Width inner ring
C <sub>r</sub>	31.400 N	Basic dynamic load rating, radial
C <sub>0r</sub>	157.000 N	Basic static load rating, radial
≈m	0,051 kg	Weight

**Mounting dimensions**

r <sub>1smin</sub>	0,3 mm	Edge Spacing
r <sub>2smin</sub>	0,6 mm	Edge Spacing
d <sub>a max</sub>	21,9 mm	Connection measure Inner ring
D <sub>a min</sub>	24,5 mm	Housing Connection Diameter



### Dimensions

C	14,275 mm	Width Outer ring
d <sub>K</sub>	27,5 mm	Ball diameter
α	6 °	Tilt angle
d <sub>OT</sub>	0 mm	Bore diameter bearing, upper tolerance
d <sub>UT</sub>	-0,01 mm	Bore diameter bearing, lower tolerance
d <sub>T</sub>	0,01	Bore diameter bearing, tolerance
D <sub>OT</sub>	0 mm	Outside diameter, upper tolerance
D <sub>UT</sub>	-0,011 mm	Outside diameter, lower tolerance
B <sub>OT</sub>	0 mm	Width inner ring, upper tolerance
B <sub>UT</sub>	0 mm	Width inner ring, lower tolerance
C <sub>OT</sub>	0 mm	Width outer ring, upper tolerance
C <sub>UT</sub>	-0,24 mm	Width outer ring, lower tolerance
G <sub>r</sub>	0,1	Radial Clearance
G <sub>rmax</sub>	0,18 mm	Radial clearance, maximum
G <sub>rmin</sub>	0,08 mm	Radial clearance, minimum

### Temperature range

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	130 °C	Operating temperature max.



## Characteristics

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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