

**GE12-ZO-E**

## Spherical plain bearing

Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, inch size, open design

## 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 &amp; Performance Data

d	12,7 mm	Bore diameter bearing
D	22,225 mm	Outside diameter bearing
B	11,1 mm	Width inner ring
C <sub>r</sub>	13.700 N	Basic dynamic load rating, radial
C <sub>0r</sub>	68.600 N	Basic static load rating, radial
≈m	0,022 kg	Weight

## Mounting dimensions

r <sub>1smin</sub>	0,15 mm	Edge Spacing
r <sub>2smin</sub>	0,6 mm	Edge Spacing
d <sub>a max</sub>	14,1 mm	Connection measure Inner ring
D <sub>a min</sub>	22 mm	Housing Connection Diameter



### Dimensions

C	9,525 mm	Width Outer ring
d <sub>K</sub>	18 mm	Ball diameter
α	6 °	Tilt angle
d <sub>OT</sub>	0 mm	Bore diameter bearing, upper tolerance
d <sub>UT</sub>	-0,008 mm	Bore diameter bearing, lower tolerance
d <sub>T</sub>	0,008	Bore diameter bearing, tolerance
D <sub>OT</sub>	0 mm	Outside diameter, upper tolerance
D <sub>UT</sub>	-0,009 mm	Outside diameter, lower tolerance
B <sub>OT</sub>	0 mm	Width inner ring, upper tolerance
B <sub>UT</sub>	-0,12 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>	0,05 - 0,1	Radial Clearance
G <sub>rmax</sub>	0,1 mm	Radial clearance, maximum
G <sub>rmin</sub>	0,05 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

---



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