

**GE90-DO**

## Spherical plain bearing

Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series E, open design High-performance: For highest load rating and lifetime demands

## 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	90 mm	Bore diameter bearing
D	130 mm	Outside diameter bearing
B	60 mm	Width inner ring
C <sub>r</sub>	635.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	2.440.000 N	Basic static load rating, radial
m	2,7 kg	Weight

**Mounting dimensions**

r <sub>1min</sub>	1 mm	Edge Spacing
r <sub>2min</sub>	1 mm	Edge Spacing
d <sub>a max</sub>	98,1 mm	Connection measure Inner ring
D <sub>a min</sub>	108 mm	Housing Connection Diameter










## Dimensions

C	50 mm	Width Outer ring
d <sub>K</sub>	115 mm	Ball diameter
α	5 °	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>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>	0,072 - 0,142	Radial Clearance
G <sub>rmax</sub>	0,142 mm	Radial clearance, maximum
G <sub>rmin</sub>	0,072 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