

**GE180-DO-C3**

## 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
Type of Seal	Without
Radial internal clearance	C3 (Group 3) Internal clearance larger than CN
Coating	Durotect M Inner- and outer ring coated with Durotect M (Manganese Phosphate)

## Main Dimensions &amp; Performance Data

d	180 mm	Bore diameter bearing
D	260 mm	Outside diameter bearing
B	105 mm	Width inner ring
C <sub>r</sub>	1.990.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	7.650.000 N	Basic static load rating, radial
m	18,5 kg	Weight

## Mounting dimensions

r <sub>1min</sub>	1,1 mm	Edge Spacing
r <sub>2min</sub>	1,1 mm	Edge Spacing
d <sub>a max</sub>	198,9 mm	Connection measure Inner ring
D <sub>a min</sub>	219 mm	Housing Connection Diameter



## Dimensions

C	80 mm	Width Outer ring
d <sub>K</sub>	225 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>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>	-0,7 mm	Width outer ring, lower tolerance
G <sub>r</sub>	0,192 - 0,284	Radial Clearance
G <sub>rmax</sub>	0,192 mm	Radial clearance, maximum
G <sub>rmin</sub>	0,1 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