

**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 & Performance Data

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

Mounting dimensions

r _{1smin}	1,1 mm	Edge Spacing
r _{2smin}	1,1 mm	Edge Spacing
d _{a max}	198,9 mm	Connection measure Inner ring
D _{a min}	219 mm	Housing Connection Diameter



Dimensions

C	80 mm	Width Outer ring
d _K	225 mm	Ball diameter
α	6 °	Tilt angle
d _{OT}	0 mm	Bore diameter bearing, upper tolerance
d _{UT}	-0,025 mm	Bore diameter bearing, lower tolerance
D _{OT}	0 mm	Outside diameter, upper tolerance
D _{UT}	-0,035 mm	Outside diameter, lower tolerance
B _{OT}	0 mm	Width inner ring, upper tolerance
B _{UT}	-0,25 mm	Width inner ring, lower tolerance
C _{OT}	0 mm	Width outer ring, upper tolerance
C _{UT}	-0,7 mm	Width outer ring, lower tolerance
G _r	0,192 - 0,284	Radial Clearance
G _{rmax}	0,192 mm	Radial clearance, maximum
G _{rmin}	0,1 mm	Radial clearance, minimum

Temperature range

T _{min}	-60 °C	Operating temperature min.
T _{max}	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