

**GE100-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	
Sealing	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	100 mm	Bore diameter bearing
D	150 mm	Outside diameter bearing
B	70 mm	Width inner ring
C _r	790.000 N	Basic dynamic load rating, radial
C _{0r}	3.040.000 N	Basic static load rating, radial
m	4,3 kg	Weight

Mounting dimensions

r _{1min}	1 mm	Edge Spacing
r _{2min}	1 mm	Edge Spacing
d _{a max}	109,5 mm	Connection measure Inner ring
D _{a min}	123 mm	Housing Connection Diameter



Dimensions

C	55 mm	Width Outer ring
d _K	130 mm	Ball diameter
α	7 °	Tilt angle
d _{OT}	0 mm	Bore diameter bearing, upper tolerance
d _{UT}	-0,02 mm	Bore diameter bearing, lower tolerance
D _{OT}	0 mm	Outside diameter, upper tolerance
D _{UT}	-0,018 mm	Outside diameter, lower tolerance
B _{OT}	0 mm	Width inner ring, upper tolerance
B _{UT}	-0,2 mm	Width inner ring, lower tolerance
C _{OT}	0 mm	Width outer ring, upper tolerance
C _{UT}	-0,5 mm	Width outer ring, lower tolerance
G _r	0,165 - 0,245	Radial Clearance
G _{rmax}	0,165 mm	Radial clearance, maximum
G _{rmin}	0,085 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