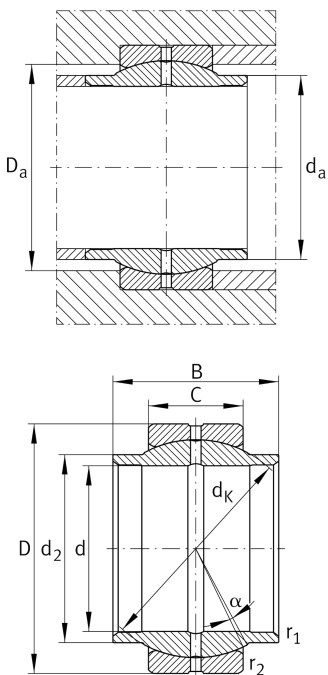


**GE100-LO** **Spherical plain bearing**

High performance Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series W, cylindrical extensions on inner ring, open design

High-performance: For highest load rating and lifetime demands

Technical information**Your current product variant**

Maintenance	Maintenance required	
Material	Steel	
Type of 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	100 mm	Bore diameter bearing
D	150 mm	Outside diameter bearing
B	100 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	4.888 kg	Weight

Mounting dimensions

r _{1smin}	1 mm	Edge Spacing
r _{2smin}	1 mm	Edge Spacing
d _{a max}	113 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	4 °	Tilt angle
d _{OT}	0.035 mm	Bore diameter bearing, upper tolerance
d _{UT}	0 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}	-0.35 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	0,085 - 0,165	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