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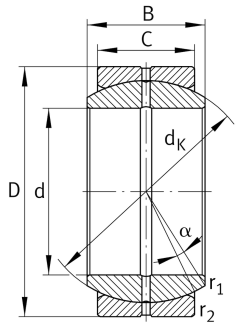
SCHAEFFLER

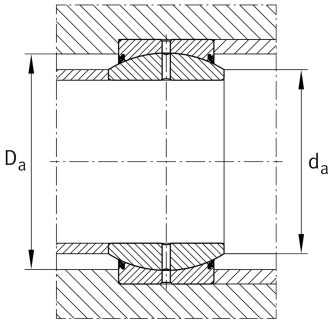
GE90-DO-E

Spherical plain bearing

Standard performance Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series E, open design

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_r	489.000 N	Basic dynamic load rating, radial
C_{0r}	2.440.000 N	Basic static load rating, radial
≈m	2,7 kg	Weight

Mounting dimensions

r_{1smin}	1 mm	Edge Spacing
r_{2smin}	1 mm	Edge Spacing
$d_{a\ max}$	98,1 mm	Connection measure Inner ring
$D_{a\ min}$	108,6 mm	Housing Connection Diameter

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

Dimensions

C	50 mm	Width Outer ring
d_K	115 mm	Ball diameter
α	5 °	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	0,072 - 0,142	Radial Clearance
G_{rmax}	0,142 mm	Radial clearance, maximum
G_{rmin}	0,072 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
- Sealed on both sides
- Static angular error and misalignment
- Dynamic angular error and misalignment

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