View product details on medias

20.06.2026, 20:37:54 UTC

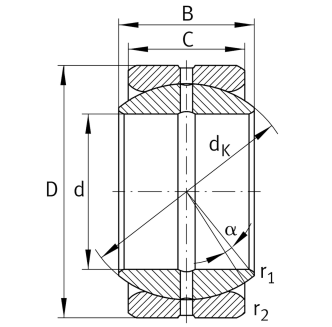
SCHAEFFLER

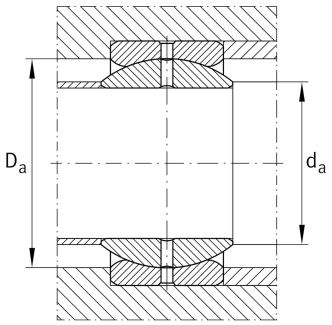
GE114-ZO-2RS-E

Spherical plain bearing

Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/ stee,, inch size, sealed design

Technical information





Your current product variant

Maintenance	Maintenance required	
Material	Steel	
Sealing	2RS	Lip seals on both sides
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	114,3 mm	Bore diameter bearing
D	177,8 mm	Outside diameter bearing
B	100 mm	Width inner ring
C_r	1.130.000 N	Basic dynamic load rating, radial
C_{0r}	5.640.000 N	Basic static load rating, radial
≈m	9,8 kg	Weight

Mounting dimensions

r_{1smin}	1 mm	Edge Spacing
r_{2smin}	1 mm	Edge Spacing
$d_{a\ max}$	130,6 mm	Connection measure Inner ring
$D_{a\ min}$	147 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	85,725 mm	Width Outer ring
d_K	164,5 mm	Ball diameter
α	6 °	Tilt angle
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
d_{UT}	-0,02 mm	Bore diameter bearing, lower tolerance
d_T	0,02	Bore diameter bearing, tolerance
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,025 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
B_{UT}	0 mm	Width inner ring, lower tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance
C_{UT}	-0,05 mm	Width outer ring, lower tolerance
G_r	0,13-0,23	Radial Clearance
G_{rmax}	0,23 mm	Radial clearance, maximum
G_{rmin}	0,13 mm	Radial clearance, minimum

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	130 °C	Operating temperature max.

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

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

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