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23.05.2026, 05:26:19 UTC

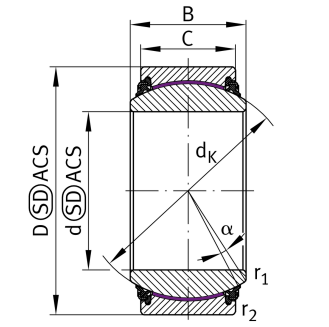
SCHAEFFLER

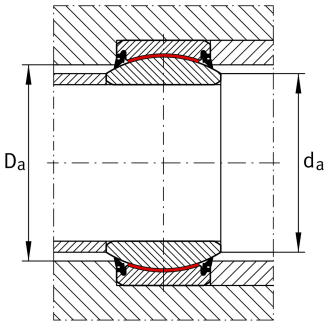
GE50-UK-2TS

Spherical plain bearing

Radial spherical plain bearing, maintenance-free, sliding layer: ELGOGLIDE, DIN ISO 12240-1, Tolerances of the outside diameter and bore not according to DIN ISO 12240-1, dimension series E, sealed

Technical information





Your current product variant

Maintenance	Maintenance free	
Type of Seal	2TS	Integrated triple lip high performance seals on both sides
Bore lining	Without	
Coating	Without	
Fabric	ELGOGLIDE	
Material	Steel	

Main Dimensions & Performance Data

d	50 mm	Bore diameter bearing
C_r	444.000 N	Basic dynamic load rating, radial
D	75 mm	Outside diameter bearing
B	35 mm	Width inner ring
C	28 mm	Width Outer ring
C_{0r}	739.000 N	Basic static load rating, radial
≈m	0,53 kg	Weight

Mounting dimensions

r_{1smin}	0,6 mm	Edge Spacing
r_{2smin}	1 mm	Edge Spacing
D_{amin}	63 mm	Housing Connection Diameter
d_{amax}	56 mm	Connection measurement, inner ring

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

d_K	66 mm	Ball diameter
α	6 °	Tilt angle
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,013 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
d_{UT}	-0,012 mm	Bore diameter bearing, lower tolerance
B_{UT}	-0,12 mm	Width inner ring, lower tolerance
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance
C_{UT}	-0,3 mm	Width outer ring, lower tolerance
G_r	0 - 0,06	Radial Clearance
G_{rmax}	0,06 mm	Radial clearance, maximum
G_{rmin}	0 mm	Radial clearance, minimum

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	100 °C	Operating temperature max.

Characteristics

- Radial load
- Axial load in one direction
- Axial load in two directions
- Lifetime lubrication, freedom from maintenance
- Sealed on both sides
- Static angular error and misalignment
- Dynamic angular error and misalignment