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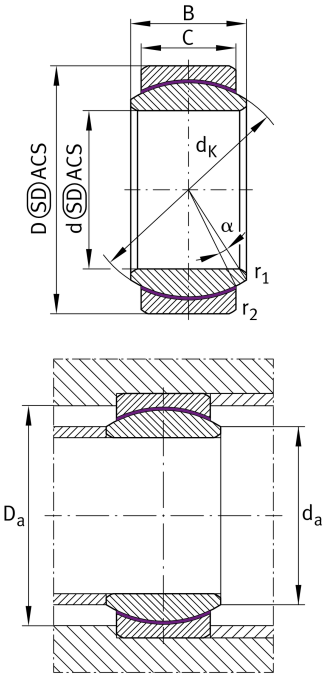
SCHAEFFLER

GE30-UK

Spherical plain bearing

Radial spherical plain bearing, maintenance-free, sliding layer: PTFE composite, inner ring curved surface with hard chromium coating, DIN ISO 12240-1, dimension series E, open design

Technical information



Your current product variant

Maintenance	Maintenance free	
Sealing	Without	Without
Bore lining	Without	
Coating	Without	
Fabric	PTFE-composite	Composite Material based on a steel backing, sintered bronze layer, with inserted plastic material.
Material	Steel	

Main Dimensions & Performance Data

d	30 mm	Bore diameter bearing
C_r	65.900 N	Basic dynamic load rating, radial
D	47 mm	Outside diameter bearing
B	22 mm	Width inner ring
C	18 mm	Width Outer ring
C_{0r}	165.000 N	Basic static load rating, radial
≈m	0,148 kg	Weight

Mounting dimensions

r_{1smin}	0,6 mm	Edge Spacing
r_{2smin}	0,6 mm	Edge Spacing
D_{amin}	38 mm	Housing Connection Diameter
d_{amax}	34,2 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	40,7 mm	Ball diameter
α	6 °	Tilt angle
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,011 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
d_{UT}	-0,01 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}	-0,24 mm	Width outer ring, lower tolerance
G_r	0 - 0,05	Radial Clearance
G_{rmax}	0,05 mm	Radial clearance, maximum
G_{rmin}	0 mm	Radial clearance, minimum

Temperature range

T_{min}	-50 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.

Characteristics

- Radial load
- Axial load in one direction
- Axial load in two directions
- Lifetime lubrication, freedom from maintenance
- Not sealed
- Static angular error and misalignment
- Dynamic angular error and misalignment