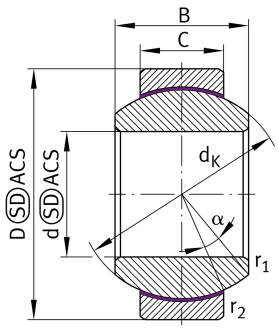
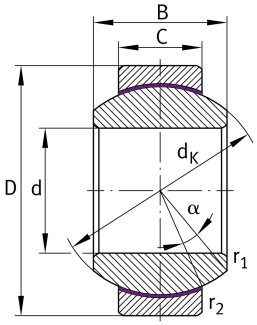
GE8-FW

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 G, 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	8 mm	Bore diameter bearing
C_r	8.640 N	Basic dynamic load rating, radial
D	19 mm	Outside diameter bearing
B	11 mm	Width inner ring
C	6 mm	Width Outer ring
C_{0r}	21.600 N	Basic static load rating, radial
≈m	13,77 g	Weight

Mounting dimensions

r_{1smin}	0,3 mm	Edge Spacing
r_{2smin}	0,3 mm	Edge Spacing
D_{amin}	15,5 mm	Housing Connection Diameter
d_{amax}	11,6 mm	Connection measurement, inner ring

Dimensions

d_K	16 mm	Ball diameter
α	21 °	Tilt angle
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,009 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
d_{UT}	-0,008 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 - 0,032	Radial Clearance
G_{rmax}	0,032 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