

**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 <sub>r</sub>	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 <sub>0r</sub>	21.600 N	Basic static load rating, radial
≈m	13,77 g	Weight



### Mounting dimensions

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

### Dimensions

$d_{\kappa}$	16 mm	Ball diameter
$\alpha$	21 °	Tilt angle
$D_{\text{OT}}$	0 mm	Outside diameter, upper tolerance
$D_{\text{UT}}$	-0,009 mm	Outside diameter, lower tolerance
$B_{\text{OT}}$	0 mm	Width inner ring, upper tolerance
$d_{\text{UT}}$	-0,008 mm	Bore diameter bearing, lower tolerance
$B_{\text{UT}}$	-0,12 mm	Width inner ring, lower tolerance
$d_{\text{OT}}$	0 mm	Bore diameter bearing, upper tolerance
$C_{\text{OT}}$	0 mm	Width outer ring, upper tolerance
$C_{\text{UT}}$	-0,24 mm	Width outer ring, lower tolerance
$G_{\text{r}}$	0 - 0,032	Radial Clearance
$G_{\text{rmax}}$	0,032 mm	Radial clearance, maximum
$G_{\text{rmin}}$	0 mm	Radial clearance, minimum

### Temperature range

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



## Characteristics

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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