SCHAEFFLER

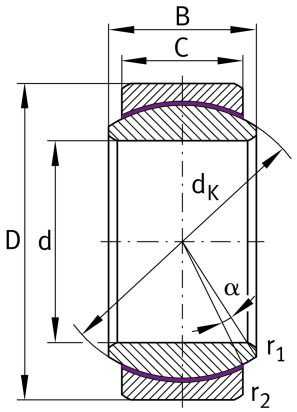
# GE8-UK

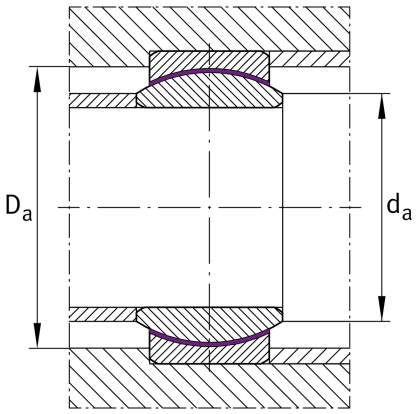
## Spherical plain bearing

Schaeffler ID:
0066498820000

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




### Main Dimensions & Performance Data

| | | |
|---|---|---|
| D | 16 mm | Outside diameter bearing |
| d | 8 mm | Bore diameter bearing |
| B | 8 mm | Width Inner ring |
| C | 5 mm | Width Outer ring |
| $C_r$ | 5.850 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 14.600 N | Basic static load rating, radial |
| | 10 g | Weight |

### Dimensions

| | | |
|---|---|---|
| $d_K$ | 13 mm | Ball diameter |
| α | 15 ° | Tilt angle |
| $G_r$ | 0 - 0,032 mm | Radial Clearance |
| $d_{OT}$ | 0 mm | Bore diameter bearing, upper tolerance |
| $d_{UT}$ | -0,008 mm | Bore diameter bearing, lower tolerance |
| $D_{OT}$ | 0 mm | Outside diameter, upper tolerance |
| $D_{UT}$ | -0,008 mm | Outside diameter, lower tolerance |
| $B_{OT}$ | 0 mm | Width inner ring, upper tolerance |
| $B_{UT}$ | -0,12 mm | Width inner ring, lower tolerance |
| $C_{OT}$ | 0 mm | Width outer ring, upper tolerance |
| $C_{OT}$ | -0,24 mm | Width outer ring, lower tolerance |

### Mounting dimensions

| | | |
|---|---|---|
| $r_{1smin}$ | 0,3 mm | Edge Spacing |
| $r_{2smin}$ | 0,3 mm | Edge Spacing |
| $d_{a\ max}$ | 10,2 mm | Connection measure Inner ring |
| $D_{a\ min}$ | 12,5 mm | Housing Connection Diameter |

### Temperature range

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

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.