

**GE25-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 | 25 mm | Bore diameter bearing |
| C _r | 51.100 N | Basic dynamic load rating, radial |
| D | 42 mm | Outside diameter bearing |
| B | 20 mm | Width inner ring |
| C | 16 mm | Width Outer ring |
| C _{0r} | 128.000 N | Basic static load rating, radial |
| ≈m | 0,115 kg | Weight |

Mounting dimensions

| | | |
|-------------------|---------|------------------------------------|
| r _{1min} | 0,6 mm | Edge Spacing |
| r _{2min} | 0,6 mm | Edge Spacing |
| D _{amin} | 33 mm | Housing Connection Diameter |
| d _{amax} | 29,3 mm | Connection measurement, inner ring |










Dimensions

| | | |
|------------|-----------|--|
| d_K | 35,5 mm | Ball diameter |
| α | 7 ° | 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 |