

**GE10-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 | |
| Type of Seal | 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 | 10 mm | Bore diameter bearing |
| C _r | 11.300 N | Basic dynamic load rating, radial |
| D | 22 mm | Outside diameter bearing |
| B | 12 mm | Width inner ring |
| C | 7 mm | Width Outer ring |
| C _{0r} | 28.400 N | Basic static load rating, radial |
| ≈m | 0,02 kg | Weight |



Mounting dimensions

| | | |
|-------------------|---------|------------------------------------|
| $r_{1\text{min}}$ | 0,3 mm | Edge Spacing |
| $r_{2\text{min}}$ | 0,3 mm | Edge Spacing |
| D_{amin} | 17,5 mm | Housing Connection Diameter |
| d_{amax} | 13,4 mm | Connection measurement, inner ring |

Dimensions

| | | |
|-------------------|-----------|--|
| d_{κ} | 18 mm | Ball diameter |
| α | 18 ° | 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