

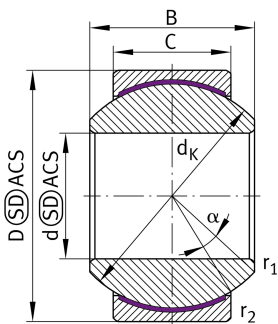
**GE30-PW**

Spherical plain bearing



Radial spherical plain bearing, maintenance-free, sliding layer: PTFE film, brass outer ring, DIN ISO 12240-1, dimension series K, open design

Technical information

**Your current product variant**

| | |
|--------------|------------------|
| Maintenance | Maintenance free |
| Type of Seal | Without Without |
| Bore lining | Without |
| Coating | Without |
| Material | Steel |

Main Dimensions & Performance Data

| | | |
|-----------------|-----------|-----------------------------------|
| d | 30 mm | Bore diameter bearing |
| C _r | 114.000 N | Basic dynamic load rating, radial |
| D | 55 mm | Outside diameter bearing |
| B | 37 mm | Width inner ring |
| C | 25 mm | Width Outer ring |
| C _{0r} | 286.000 N | Basic static load rating, radial |
| m | 0,385 kg | Weight |

Mounting dimensions

| | | |
|-------------------|---------|------------------------------------|
| r _{1min} | 0,3 mm | Edge Spacing |
| r _{2min} | 0,6 mm | Edge Spacing |
| D _{amin} | 46 mm | Housing Connection Diameter |
| d _{amax} | 34,8 mm | Connection measurement, inner ring |




Dimensions

| | | |
|------------|---------------|--|
| d_K | 50,8 mm | Ball diameter |
| α | 17 ° | Tilt angle |
| d_T | H7 | Bore diameter bearing, tolerance |
| D_{OT} | 0 mm | Outside diameter, upper tolerance |
| D_{UT} | -0,013 mm | Outside diameter, lower tolerance |
| B_{OT} | 0 mm | Width inner ring, upper tolerance |
| d_{UT} | 0 mm | Bore diameter bearing, lower tolerance |
| B_{UT} | -0,12 mm | Width inner ring, lower tolerance |
| d_{OT} | 0,021 mm | Bore diameter bearing, upper tolerance |
| C_{OT} | 0 mm | Width outer ring, upper tolerance |
| C_{UT} | -0,3 mm | Width outer ring, lower tolerance |
| G_r | 0,006 - 0,035 | Radial Clearance |
| G_{rmax} | 0,035 mm | Radial clearance, maximum |
| G_{rmin} | 0,006 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 |