

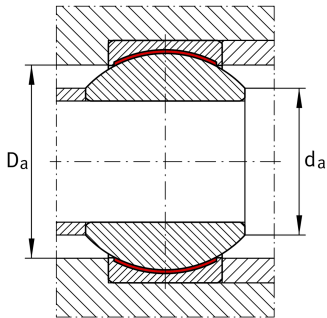
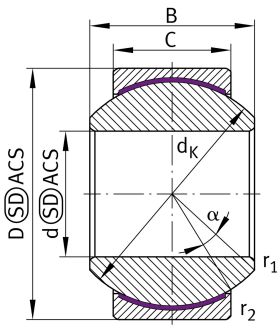
**GE12-PW**

## 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 Sealing | Without Without  |
| Bore lining     | Without          |
| Coating         | Without          |
| Material        | Steel            |

**Main Dimensions & Performance Data**

|                 |          |                                   |
|-----------------|----------|-----------------------------------|
| d               | 12 mm    | Bore diameter bearing             |
| C <sub>r</sub>  | 24.000 N | Basic dynamic load rating, radial |
| D               | 26 mm    | Outside diameter bearing          |
| B               | 16 mm    | Width inner ring                  |
| C               | 12 mm    | Width Outer ring                  |
| C <sub>0r</sub> | 60.000 N | Basic static load rating, radial  |
| m               | 43 g     | Weight                            |

**Mounting dimensions**

|                   |         |                                    |
|-------------------|---------|------------------------------------|
| r <sub>1min</sub> | 0,3 mm  | Edge Spacing                       |
| r <sub>2min</sub> | 0,3 mm  | Edge Spacing                       |
| D <sub>amin</sub> | 19,5 mm | Housing Connection Diameter        |
| d <sub>amax</sub> | 15,4 mm | Connection measurement, inner ring |



## Dimensions

|            |               |  |
|------------|---------------|--|
| $d_K$      | 22,225 mm     | Ball diameter                          |
| $\alpha$   | 13 °          | Tilt angle                             |
| $d_T$      | H7            | Bore diameter bearing, tolerance       |
| $D_{OT}$   | 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 mm          | Bore diameter bearing, lower tolerance |
| $B_{UT}$   | -0,12 mm      | Width inner ring, lower tolerance      |
| $d_{OT}$   | 0,018 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      |
| $G_r$      | 0,006 - 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