

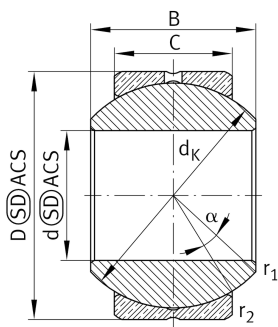
**GE5-PB**

Spherical plain bearing



Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/bronze, DIN ISO 12240-1, dimension series K, open design

Technical information



Your current product variant

| | |
|---------------------------|--|
| Maintenance | Maintenance required |
| Material | Steel |
| Sealing | Without |
| Radial internal clearance | CN (Group N) Normal internal clearance |
| Coating | Without |

Main Dimensions & Performance Data

| | | |
|-------------|---------|-----------------------------------|
| d | 5 mm | Bore diameter bearing |
| D | 13 mm | Outside diameter bearing |
| B | 8 mm | Width inner ring |
| C_r | 3.330 N | Basic dynamic load rating, radial |
| C_{0r} | 8.330 N | Basic static load rating, radial |
| $\approx m$ | 6 g | Weight |

Mounting dimensions

| | | |
|-------------------|--------|-------------------------------|
| $r_{1\text{min}}$ | 0,3 mm | Edge Spacing |
| $r_{2\text{min}}$ | 0,3 mm | Edge Spacing |
| $d_{a\text{max}}$ | 7,7 mm | Connection measure Inner ring |
| $D_{a\text{min}}$ | 9,8 mm | Housing Connection Diameter |



Dimensions








| | | |
|-------------------|---------------|--|
| C | 6 mm | Width Outer ring |
| d _K | 11,112 mm | Ball diameter |
| α | 13 ° | Tilt angle |
| d _{OT} | 0,012 mm | Bore diameter bearing, upper tolerance |
| d _{UT} | 0 mm | Bore diameter bearing, lower tolerance |
| d _T | H7 | Bore diameter bearing, 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 _{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} | -60 °C | Operating temperature min. |
| T _{max} | 250 °C | Operating temperature max. |



Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Not sealed
-  Static angular error and misalignment
-  Dynamic angular error and misalignment