

Image may differ from product. See technical specification for details.

# GE 4 C

## Radial spherical plain bearing, maintenance-free, metric sizes

These spherical plain bearings have a steel/PTFE sintered bronze contact surface combination and are maintenance-free. The sliding surfaces have to be externally protected from contaminants. These bearings are also available with a wider inner ring and a larger outside diameter (suffix GEH), which enable higher load ratings and larger tilt angles.

- Designed for radial and combined radial and axial loads
- Long service life and maintenance-free
- Suitable for heavy, constant direction loads
- Low coefficient of friction
- High operating temperatures
- High sliding velocities and small operating clearances

# Overview

## Dimensions

| | |
|---|---|
| Bore diameter | 4 mm |
| Outside diameter | 12 mm |
| Width, inner ring | 5 mm |
| Width, outer ring | 3 mm |

## Performance

| | |
|---|---|
| Basic dynamic load rating | 2.16 kN |
| Basic static load rating | 5.4 kN |

## Properties

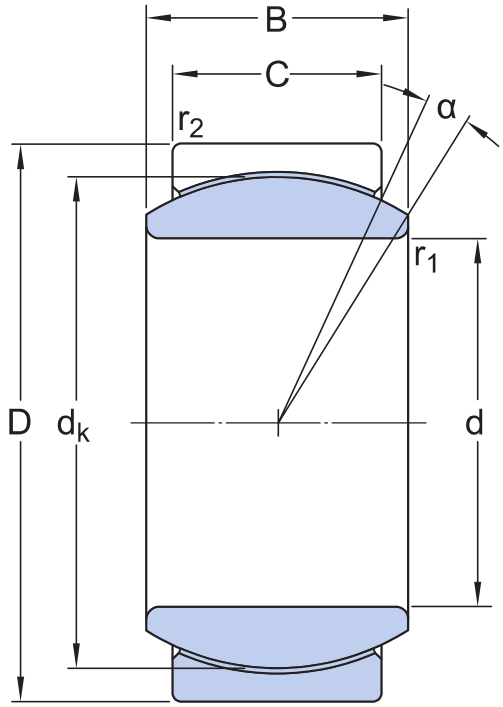
| | |
|---|---|
| Sliding contact surface combination | Steel/PTFE sintered bronze |
| Material, inner ring | Bearing steel |
| Material, outer ring | Steel |
| Maintenance | Maintenance-free |
| Sealing | Without |
| Relubrication feature | Without |

## Logistics

| | |
|---|---|
| Product net weight | 0.0026 kg |
| eClass code | 23-05-01-06 |
| UNSPSC code | 31171515 |

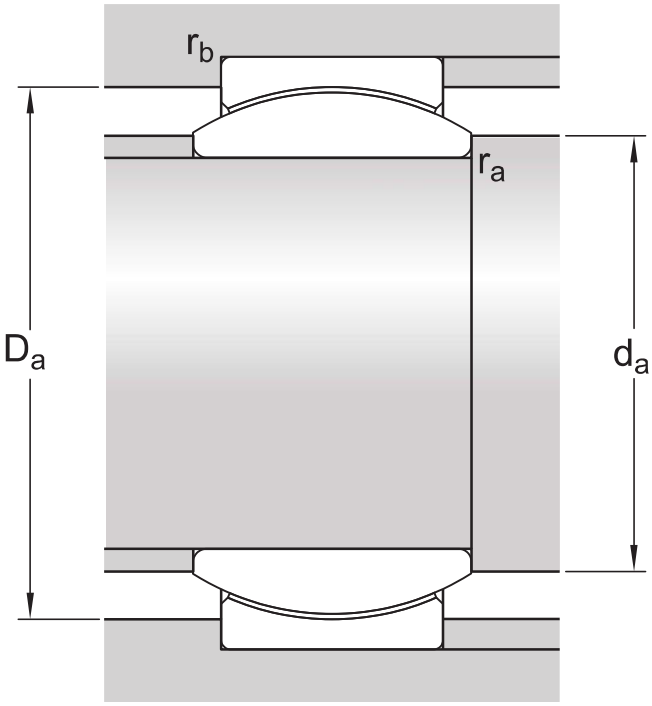
## Technical specification

| | |
|---|---|
| Maintenance | Maintenance-free |
| Sliding contact surface combination | Steel/PTFE sintered bronze |
| Material, inner ring | Bearing steel |
| Material, outer ring | Steel |
| Sealing | Without |




## Dimensions

| | | |
|---|---|---|
| d | 4 mm | Bore diameter |
| D | 12 mm | Outside diameter |
| B | 5 mm | Width |
| C | 3 mm | Width outer ring |
| α | 16 ° | Angle of tilt |
| $d_k$ | 8 mm | Raceway diameter inner ring |
| $r_1$ | min. 0.3 mm | Chamfer dimension bore |
| $r_2$ | min. 0.3 mm | Chamfer dimension outer ring |




## Abutment dimensions

| | | |
|---|---|---|
| $d_a$ | min. 5.4 mm | Abutment diameter shaft |
| $d_a$ | max. 6.2 mm | Abutment diameter shaft |
| $D_a$ | min. 7.6 mm | Abutment diameter housing |
| $D_a$ | max. 10.7 mm | Abutment diameter housing |
| $r_a$ | max. 0.3 mm | Fillet radius shaft |
| $r_b$ | max. 0.3 mm | Fillet radius housing |

## Calculation data

| | | |
|---|---|---|
| Basic dynamic load rating | C | 2.16 kN |
| Basic static load rating | $C_0$ | 5.4 kN |
| Specific dynamic load factor | K | 100 N/mm² |
| Specific static load factor | $K_0$ | 250 N/mm² |
| Material constant | $K_M$ | 1 400 |

## Tolerances and clearances

- General bearing specifications

## RADIAL LOCATION OF BEARINGS

- Recommended fits

## More Information

### Product details

- Radial spherical plain bearings requiring maintenance
- Maintenance-free radial spherical plain bearings
- General bearing specifications
- Temperature limits

### Engineering information

- Principles of selection

### Tools

- SKF Product select
- Heater selection tool

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