



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

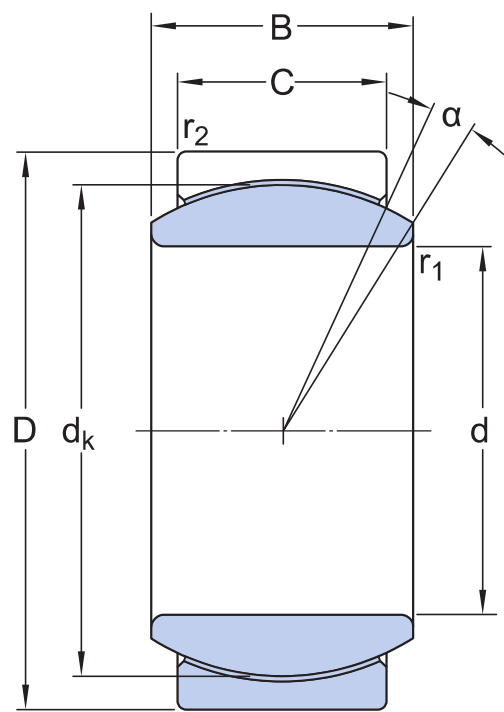
Sliding contact surface combination	Steel/PTFE sintered bronze
Material, inner ring	Bearing steel
Material, outer ring	Steel
Maintenance	Maintenance-free
Sealing	Without
Relubrication feature	Without

Logistics

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

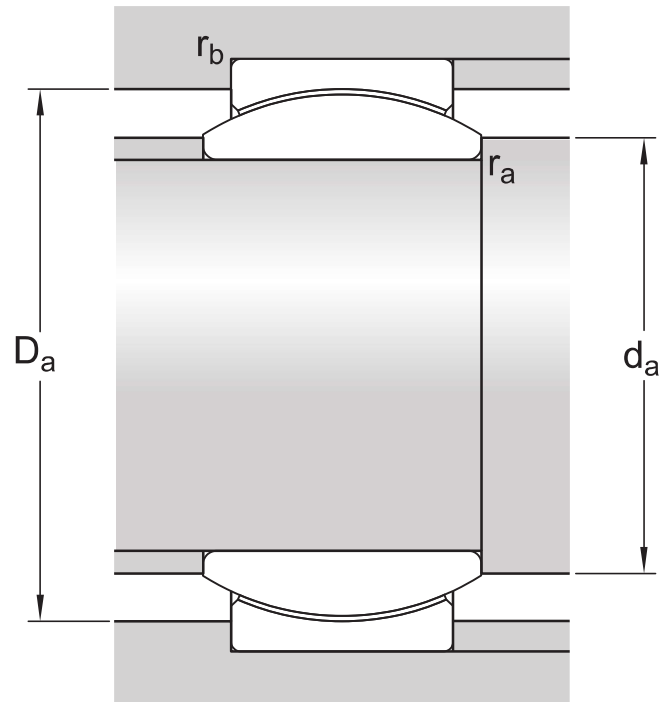
Technical specification

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
$\alpha$	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/mm <sup>2</sup>
Specific static load factor	$K_0$	250 N/mm <sup>2</sup>
Material constant	$K_M$	1 400




Tolerances and clearances

- [General bearing specifications](#)

## RADIAL LOCATION OF BEARINGS

- [Recommended fits](#)

More Information

<div> <b>Product details</b></div> <div><a href="#">Radial spherical plain bearings requiring maintenance</a></div> <div><a href="#">Maintenance-free radial spherical plain bearings</a></div> <div><a href="#">General bearing specifications</a></div> <div><a href="#">Temperature limits</a></div>	<div> <b>Engineering information</b></div> <div><a href="#">Principles of selection</a></div>	<div> <b>Tools</b></div> <div><a href="#">SKF Product select</a></div> <div><a href="#">Heater selection tool</a></div>
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