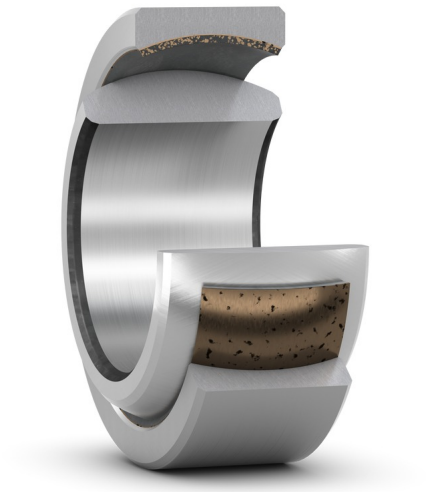


GE 12 CRadial spherical plain bearing, maintenance-free, metric sizes

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	12 mm
Outside diameter	22 mm
Width, inner ring	10 mm
Width, outer ring	7 mm

Performance

Basic dynamic load rating	11.4 kN
Basic static load rating	28.5 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

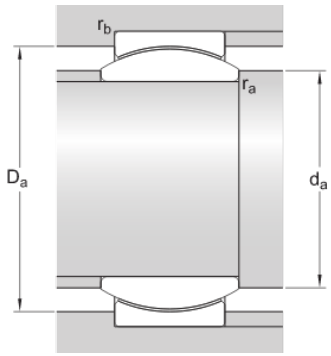
Technical Specification

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

NOT FOUND

Dimensions

d	12 mm	Bore diameter
D	22 mm	Outside diameter
B	10 mm	Width
C	7 mm	Width outer ring
α	10 °	Angle of tilt
d_k	18 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. 13.5 mm	Abutment diameter shaft
d_a	max. 15 mm	Abutment diameter shaft
D_a	min. 17.1 mm	Abutment diameter housing
D_a	max. 20.6 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	11.4 kN
Basic static load rating	C_0	28.5 kN
Specific dynamic load factor	K	100 N/mm²
Specific static load factor	K_0	250 N/mm²
Material constant	K_M	1 400

Mass

Mass plain bearing	0.017 kg

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