



SKF GE 12 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.

Technical specifications

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

Dimensions	
Bore diameter	12 mm
Outside diameter	22 mm
Width	10 mm
Width outer ring	7 mm
Angle of tilt	10 °
Raceway diameter inner ring	18 mm
Chamfer dimension bore	0.3 mm
Chamfer dimension outer ring	0.3 mm
Width, inner ring	10 mm
Width, outer ring	7 mm

Abutment dimensions	
Abutment diameter shaft	13.5 mm
Abutment diameter shaft	15 mm
Abutment diameter housing	17.1 mm
Abutment diameter housing	20.6 mm
Fillet radius shaft	0.3 mm
Fillet radius housing	0.3 mm

Calculation data	
Basic dynamic load rating	11.4 kN
Basic static load rating	28.5 kN
Specific dynamic load factor	100 N/mm ²
Specific static load factor	250 N/mm ²
Material constant	1400

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

Logistics	
Product net weight	0.016 kg

eClass code	23-05-01-06
UNSPSC code	31171515

SKF drawings