



SKF GE 100 ES

Radial spherical plain bearing, requiring maintenance, metric sizes

Radial spherical plain bearings are designed to accommodate radial and combined radial and axial loads, and also misalignment. This specific design includes a steel/steel sliding contact surface combination. The bearings require maintenance and can be relubricated via lubrication holes and an annular groove in both rings.

Technical specifications

General	
Maintenance	Relubrication required
Sliding contact surface combination	Steel/steel, standard
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Sealing	Without

Dimensions	
Bore diameter	100 mm
Outside diameter	150 mm
Width	70 mm
Width outer ring	55 mm
Angle of tilt	7 °
Raceway diameter inner ring	130 mm
Width annular lubrication groove at outer ring	11.5 mm
Width annular lubrication groove at inner ring	11.5 mm
Diameter lubrication hole (outer ring)	5 mm
Chamfer dimension bore	1 mm
Chamfer dimension outer ring	1 mm
Width, inner ring	70 mm
Width, outer ring	55 mm

Abutment dimensions	
Abutment diameter shaft	107.8 mm
Abutment diameter shaft	109.5 mm
Abutment diameter housing	123.5 mm
Abutment diameter housing	143.2 mm
Fillet radius shaft	1 mm
Fillet radius housing	1 mm

Calculation data	
Basic dynamic load rating	610 kN
Basic static load rating	3050 kN
Specific dynamic load factor	100 N/mm ²
Specific static load factor	500 N/mm ²
Material constant	330

Performance	
Basic dynamic load rating	610 kN
Basic static load rating	3050 kN

Properties	
Sliding contact surface combination	Steel/steel, standard
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Maintenance	Relubrication required
Radial internal clearance	CN
Sealing	Without

Relubrication feature

With

Logistics

Product net weight

4.25 kg

eClass code

23-05-01-06

UNSPSC code

31171515

