



SKF GE 50 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	50 mm
Outside diameter	75 mm
Width	35 mm
Width outer ring	28 mm
Angle of tilt	6 °
Raceway diameter inner ring	66 mm
Width annular lubrication groove at outer ring	4.6 mm
Width annular lubrication groove at inner ring	4.8 mm
Diameter lubrication hole (outer ring)	3 mm
Chamfer dimension bore	0.6 mm
Chamfer dimension outer ring	1 mm
Width, inner ring	35 mm
Width, outer ring	28 mm
Abutment dimensions	
Abutment diameter shaft	54.6 mm
Abutment diameter shaft	56 mm
Abutment diameter housing	62.7 mm
Abutment diameter housing	70.5 mm
Fillet radius shaft	0.6 mm
Fillet radius housing	1 mm
Calculation data	
Basic dynamic load rating	156 kN
Basic static load rating	780 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	156 kN
Basic static load rating	780 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

0.546 kg

eClass code

23-05-01-06

UNSPSC code

31171515

SKF drawings