



SKF GE 35 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	35 mm
Outside diameter	55 mm
Width	25 mm
Width outer ring	20 mm
Angle of tilt	6 °
Raceway diameter inner ring	47 mm
Width annular lubrication groove at outer ring	3.8 mm
Width annular lubrication groove at inner ring	4 mm
Diameter lubrication hole (outer ring)	2.5 mm
Chamfer dimension bore	0.6 mm
Chamfer dimension outer ring	1 mm
Width, inner ring	25 mm
Width, outer ring	20 mm
Abutment dimensions	
Abutment diameter shaft	38.5 mm
Abutment diameter shaft	39.8 mm
Abutment diameter housing	44.6 mm
Abutment diameter housing	50.9 mm
Fillet radius shaft	0.6 mm
Fillet radius housing	1 mm
Calculation data	
Basic dynamic load rating	80 kN
Basic static load rating	400 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	80 kN
Basic static load rating	400 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
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Logistics	
Product net weight	0.218 kg
eClass code	23-05-01-06
UNSPSC code	31171515

SKF drawings