



SKF GEH 50 ES-2RS

Radial spherical plain bearing, requiring maintenance, sealed, metric sizes

These radial spherical plain bearings have a steel/steel sliding contact surface combination and a double-lip contact seal on both sides. The bearings require maintenance and can be relubricated via lubrication holes and an annular groove in both rings. Compared to the GE series, they have a wider inner ring and a larger outside diameter, which enable higher load ratings and larger tilt angles.

Technical specifications

General	
Maintenance	Relubrication required
Sliding contact surface combination	Steel/steel, standard
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Sealing	Seal on both sides
Sealing type	Double-lip

Dimensions	
Bore diameter	50 mm
Outside diameter	90 mm
Width	56 mm
Width outer ring	36 mm
Angle of tilt	17 °
Raceway diameter inner ring	80 mm
Width annular lubrication groove at outer ring	6.2 mm
Width annular lubrication groove at inner ring	6.4 mm
Diameter lubrication hole (outer ring)	4 mm
Chamfer dimension bore	0.6 mm
Chamfer dimension outer ring	1 mm
Width, inner ring	56 mm
Width, outer ring	36 mm

Abutment dimensions	
Abutment diameter shaft	55.8 mm
Abutment diameter shaft	57.1 mm
Abutment diameter housing	79.7 mm
Abutment diameter housing	84.2 mm
Fillet radius shaft	0.6 mm
Fillet radius housing	1 mm

Calculation data	
Basic dynamic load rating	245 kN
Basic static load rating	1220 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	245 kN
Basic static load rating	1220 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	Seal on both sides
Sealing type	Double-lip
Relubrication feature	With

Logistics	
Product net weight	1.39 kg
eClass code	23-05-01-06
UNSPSC code	31171515

SKF drawings

