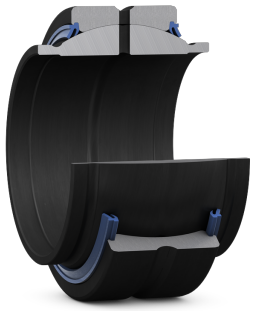

SKF GEM 25 ES-2RS

Radial spherical plain bearing, requiring maintenance, sealed, 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, an extended inner ring 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.

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	25 mm
Outside diameter	42 mm
Width	29 mm
Width outer ring	16 mm
Angle of tilt	4 °
Raceway diameter inner ring	35.5 mm
Shoulder diameter cylindrical extension inner ring	29 mm
Width annular lubrication groove at outer ring	3.1 mm
Width annular lubrication groove at inner ring	3.2 mm
Diameter lubrication hole (outer ring)	2 mm
Chamfer dimension bore	0.3 mm
Chamfer dimension outer ring	0.6 mm
Width, inner ring	29 mm
Width, outer ring	16 mm

Abutment dimensions	
Abutment diameter shaft	28.3 mm
Abutment diameter shaft	29 mm
Abutment diameter housing	36.9 mm
Abutment diameter housing	39.2 mm
Fillet radius shaft	0.3 mm
Fillet radius housing	0.6 mm

Calculation data	
Basic dynamic load rating	48 kN
Basic static load rating	240 kN
Specific dynamic load factor	100 N/mm²
Specific static load factor	500 N/mm²
Material constant	330

Performance	
Basic dynamic load rating	48 kN
Basic static load rating	240 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	0.114 kg
eClass code	23-05-01-06
UNSPSC code	31171515

SKF drawings