



## SKF GEH 35 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                                  | 35 mm  |
| Outside diameter                               | 62 mm  |
| Width                                          | 35 mm  |
| Width outer ring                               | 22 mm  |
| Angle of tilt                                  | 15 °   |
| Raceway diameter inner ring                    | 53 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                              | 35 mm  |
| Width, outer ring                              | 22 mm  |

  

| Abutment dimensions       |         |
|---------------------------|---------|
| Abutment diameter shaft   | 38.8 mm |
| Abutment diameter shaft   | 39.8 mm |
| Abutment diameter housing | 54.5 mm |
| Abutment diameter housing | 57.8 mm |
| Fillet radius shaft       | 0.6 mm  |
| Fillet radius housing     | 1 mm    |

  

| Calculation data             |                       |
|------------------------------|-----------------------|
| Basic dynamic load rating    | 100 kN                |
| Basic static load rating     | 500 kN                |
| Specific dynamic load factor | 100 N/mm <sup>2</sup> |
| Specific static load factor  | 500 N/mm <sup>2</sup> |
| Material constant            | 330                   |

  

| Performance               |        |
|---------------------------|--------|
| Basic dynamic load rating | 100 kN |
| Basic static load rating  | 500 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 | 0.384 kg    |
| eClass code        | 23-05-01-06 |
| UNSPSC code        | 31171515    |

**SKF drawings**