



## SKF SA 50 ES-2RS

Rod end, requires maintenance, sealed, male thread

These SKF rod ends contain a spherical plain bearing with a steel/steel sliding contact surface combination and a double-lip contact seal on both sides. The bearing requires maintenance and can be relubricated via a grease fitting in the housing and via the shaft. The male thread is available with a left- (prefix SAL) or a right-hand thread. Some sizes have different fitting dimensions (SA(L)A series).

### 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             |
| Attachment feature, rod end shank   | Right-hand male thread |

  

| Dimensions                                  |        |
|---------------------------------------------|--------|
| Bore diameter                               | 50 mm  |
| Diameter head                               | 114 mm |
| Width inner ring                            | 35 mm  |
| Thread                                      | M 52x3 |
| Width head                                  | 31 mm  |
| Height shank end face - centre rod end eye  | 195 mm |
| Angle of tilt                               | 6 °    |
| Raceway diameter inner ring                 | 66 mm  |
| Length thread                               | 110 mm |
| Length (height) housing                     | 254 mm |
| Distance shank chamfer - centre rod end eye | 58 mm  |
| Chamfer dimension bore                      | 0.6 mm |
| Bore diameter, bearing inner ring           | 50 mm  |
| Outside diameter, housing eye               | 114 mm |
| Width, bearing inner ring                   | 35 mm  |
| Thread designation                          | M 52x3 |
| Width, housing eye                          | 31 mm  |
| Centre height, housing (from end of shank)  | 195 mm |
| Housing length, total                       | 254 mm |

  

| Calculation data             |                       |
|------------------------------|-----------------------|
| Basic dynamic load rating    | 156 kN                |
| Basic static load rating     | 245 kN                |
| Specific dynamic load factor | 100 N/mm <sup>2</sup> |
| Material constant            | 330                   |

  

| Performance               |        |
|---------------------------|--------|
| Basic dynamic load rating | 156 kN |
| Basic static load rating  | 245 kN |

  

| Properties                          |                        |
|-------------------------------------|------------------------|
| Sliding contact surface combination | Steel/steel, standard  |
| Material, housing                   | Steel                  |
| Material, inner ring                | Bearing steel          |
| Material, outer ring                | Bearing steel          |
| Maintenance                         | Relubrication required |
| Attachment feature, rod end shank   | Right-hand male thread |
| Sealing                             | Seal on both sides     |

|              |            |
|--------------|------------|
| Sealing type | Double-lip |
|--------------|------------|

| Logistics          |             |
|--------------------|-------------|
| Product net weight | 3.9 kg      |
| eClass code        | 23-05-01-05 |
| UNSPSC code        | 31171508    |

**SKF drawings**