

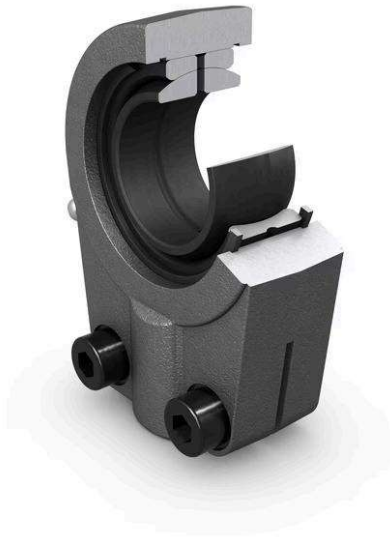


Image may differ from product. See technical specification for details.

## SIR 25 ES

**Rod end, requires maintenance, female thread with clamping screws**

These SKF rod ends contain a spherical plain bearing with a steel/steel sliding contact surface combination. The bearing requires maintenance and can be relubricated via grease fitting in the housing and via the shaft. The female thread is available with a left- (prefix SIL) or right-hand thread.

- Easy to relubricate
- Suitable for heavy static, alternating or impact loads
- Simple and ready-to-mount
- Slotted shank with clamping screws
- Suitable for hydraulic cylinders
- Bearing can be exchanged

## Overview

### Dimensions

|                                            |          |
|--------------------------------------------|----------|
| Bore diameter, bearing inner ring          | 25 mm    |
| Outside diameter, housing eye              | 58 mm    |
| Width, bearing inner ring                  | 20 mm    |
| Thread designation                         | M 16x1.5 |
| Width, housing eye                         | 23.5 mm  |
| Centre height, housing (from end of shank) | 50 mm    |
| Housing length, total                      | 81 mm    |

### Performance

|                           |       |
|---------------------------|-------|
| Basic dynamic load rating | 48 kN |
| Basic static load rating  | 52 kN |

### Properties

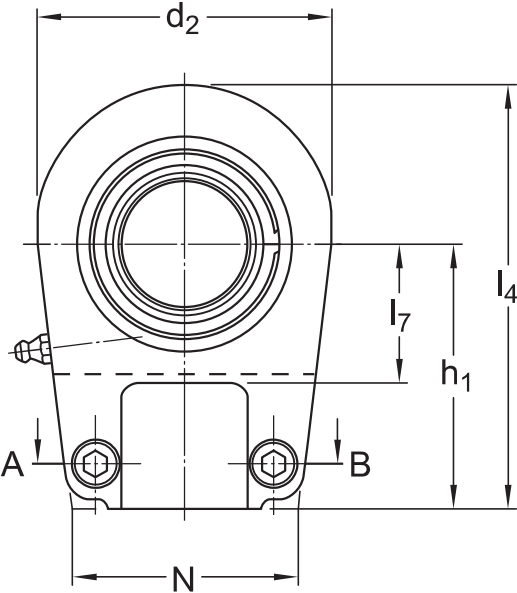
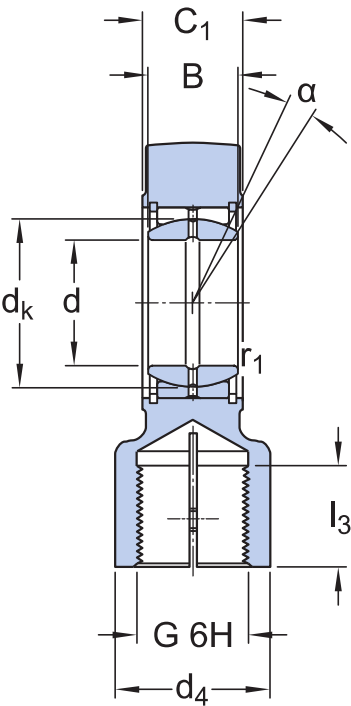
|                                     |                                              |
|-------------------------------------|----------------------------------------------|
| Sliding contact surface combination | Steel/steel, standard                        |
| Material, housing                   | Steel                                        |
| Material, inner ring                | Bearing steel                                |
| Material, outer ring                | Bearing steel                                |
| Maintenance                         | Relubrication required                       |
| Attachment feature, rod end shank   | Right-hand female thread and clamping screws |
| Sealing                             | Without                                      |

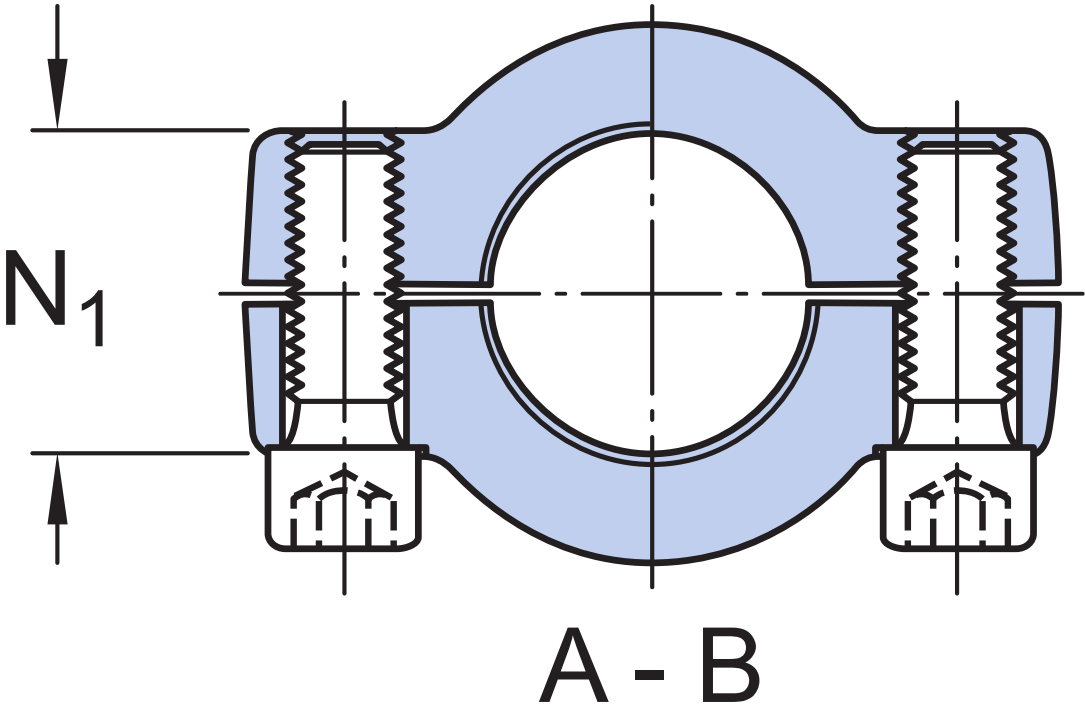
### Logistics

|                    |             |
|--------------------|-------------|
| Product net weight | 0.462 kg    |
| eClass code        | 23-05-01-05 |
| UNSPSC code        | 31171508    |

Technical specification

|                                     |                                              |
|-------------------------------------|----------------------------------------------|
| Maintenance                         | Relubrication required                       |
| Sliding contact surface combination | Steel/steel, standard                        |
| Material, inner ring                | Bearing steel                                |
| Material, outer ring                | Bearing steel                                |
| Sealing                             | Without                                      |
| Attachment feature, rod end shank   | Right-hand female thread and clamping screws |





Dimensions

|                |              |                                             |
|----------------|--------------|---------------------------------------------|
| d              | 25 mm        | Bore diameter                               |
| d <sub>2</sub> | max. 58 mm   | Diameter head                               |
| B              | 20 mm        | Width inner ring                            |
| G              | M 16x1.5     | Thread                                      |
| C <sub>1</sub> | max. 23.5 mm | Width head                                  |
| h <sub>1</sub> | 50 mm        | Height shank end face - centre rod end eye  |
| α              | 7 °          | Angle of tilt                               |
| d <sub>k</sub> | 35.5 mm      | Raceway diameter inner ring                 |
| d <sub>4</sub> | max. 26 mm   | Housing diameter shank                      |
| l <sub>3</sub> | min. 17 mm   | Length thread                               |
| l <sub>4</sub> | max. 81 mm   | Length (height) housing                     |
| l <sub>7</sub> | min. 27 mm   | Distance shank chamfer - centre rod end eye |
| N              | max. 46 mm   | Width shank                                 |
| N <sub>1</sub> | max. 23.5 mm | Thickness shank base for clamping bolts     |
| r <sub>1</sub> | min. 0.6 mm  | Chamfer dimension bore                      |

Bolts with internal hexagon

|                                              |        |
|----------------------------------------------|--------|
| Size bolt with internal hexagon              | M 8    |
| Tightening torque bolt with internal hexagon | 23 N·m |

Calculation data

|                              |                |                       |
|------------------------------|----------------|-----------------------|
| Basic dynamic load rating    | C              | 48 kN                 |
| Basic static load rating     | C <sub>0</sub> | 52 kN                 |
| Specific dynamic load factor | K              | 100 N/mm <sup>2</sup> |
| Material constant            | K <sub>M</sub> | 330                   |

Tolerances and clearances

- [General bearing specifications](#)



More Information

|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                |                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div> <b>Product details</b></div> <div><a href="#">Rod ends bearings requiring maintenance</a></div> <div><a href="#">Maintenance-free rod ends</a></div> <div><a href="#">General rod end specifications</a></div> <div><a href="#">Temperature limits</a></div> | <div> <b>Engineering information</b></div> <div><a href="#">Principles of selection</a></div> | <div> <b>Tools</b></div> <div><a href="#">SKF Product select</a></div> |
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