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

# SIQG 40 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 inner ring is extended on both sides. The bearing requires maintenance and can be relubricated via grease fitting in the housing and for sizes 16 and

larger also 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 | 40 mm |
| Outside diameter, housing eye | 91.5 mm |
| Width, bearing inner ring | 40 mm |
| Thread designation | M 33x2 |
| Width, housing eye | 34 mm |
| Centre height, housing (from end of shank) | 97 mm |
| Housing length, total | 146.5 mm |

## Performance

| | |
|---|---|
| Basic dynamic load rating | 100 kN |
| Basic static load rating | 176 kN |

## Properties

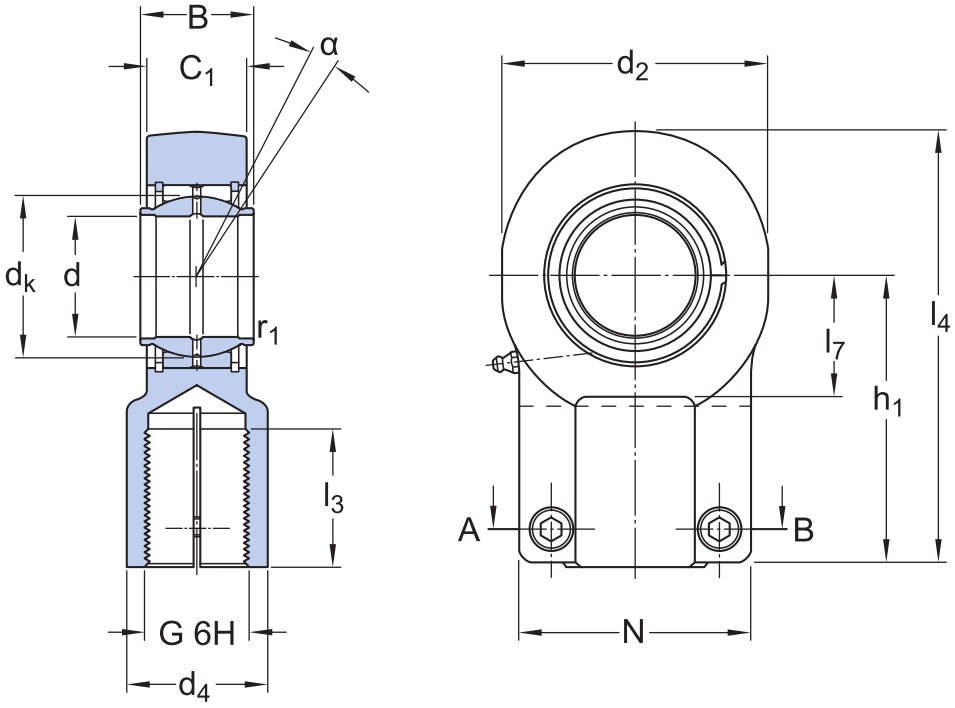
| | |
|---|---|
| Sliding contact surface combination | Steel/steel, standard |
| Material, housing | Steel |
| Material, inner ring | Bearing steel |
| Material, outer ring | Bearing steel |
| Maintenance | Relubrication required |
| Attachment feature, rod end shank | Right-hand female thread and clamping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

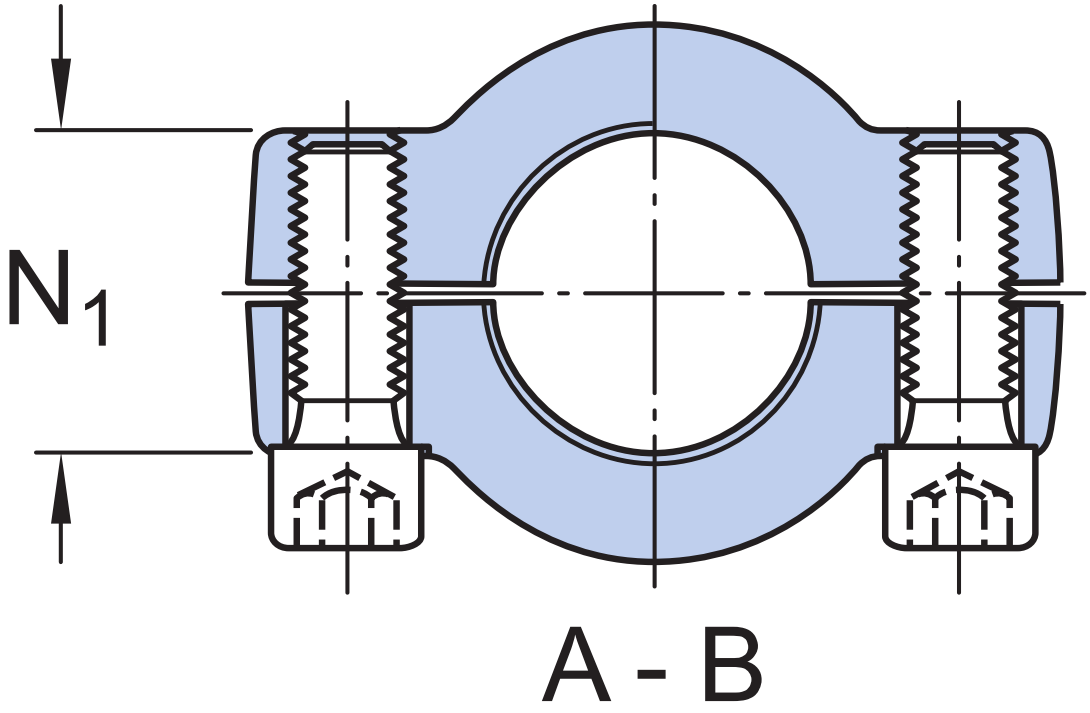
## Logistics

| | |
|---|---|
| Product net weight | 2.07 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 | 40 mm | Bore diameter |
| $d_2$ | max. 91.5 mm | Diameter head |
| B | 40 mm | Width inner ring |
| G | M 33x2 | Thread |
| $C_1$ | max. 34 mm | Width head |
| $h_1$ | 97 mm | Height shank end face - centre rod end eye |
| α | 4 ° | Angle of tilt |
| $d_k$ | 53 mm | Raceway diameter inner ring |
| $d_4$ | max. 49 mm | Housing diameter shank |
| $l_3$ | min. 46 mm | Length thread |
| $l_4$ | max. 146.5 mm | Length (height) housing |
| $l_7$ | min. 40 mm | Distance shank chamfer - centre rod end eye |
| N | max. 82 mm | Width shank |
| $N_1$ | max. 28 mm | Thickness shank base for clamping bolts |
| $r_1$ | min. 0.6 mm | Chamfer dimension bore |

## Bolts with internal hexagon

| | |
|---|---|
| Size bolt with internal hexagon | M 10 |
| Tightening torque bolt with internal hexagon | 48 N·m |

## Calculation data

| | | |
|---|---|---|
| Basic dynamic load rating | C | 100 kN |
| Basic static load rating | $C_0$ | 176 kN |
| Specific dynamic load factor | K | 100 N/mm$^2$ |
| Material constant | $K_M$ | 330 |

## Tolerances and clearances

- General bearing specifications

## More Information

### Product details

- Rod ends bearings requiring maintenance
- Maintenance-free rod ends
- General rod end specifications
- Temperature limits

### Engineering information

- Principles of selection

### Tools

- SKF Product select

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