



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

## SIQG 50 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	50 mm
Outside diameter, housing eye	110.5 mm
Width, bearing inner ring	50 mm
Thread designation	M 42x2
Width, housing eye	42 mm
Centre height, housing (from end of shank)	120 mm
Housing length, total	180 mm

### Performance

Basic dynamic load rating	156 kN
Basic static load rating	270 kN

### Properties

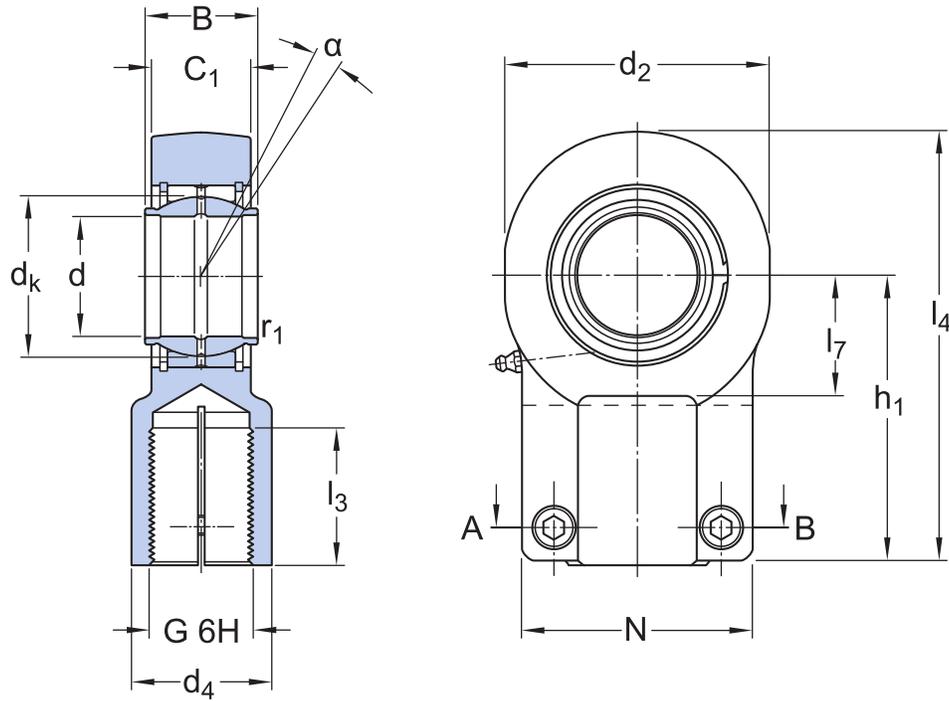
Sliding contact surface combination	Steel/steel, standard
Material, housing	Steel
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Maintenance	Relubrication required
Attachment feature, rod end shank	Right-hand female thread and clamping screws
Sealing	Without

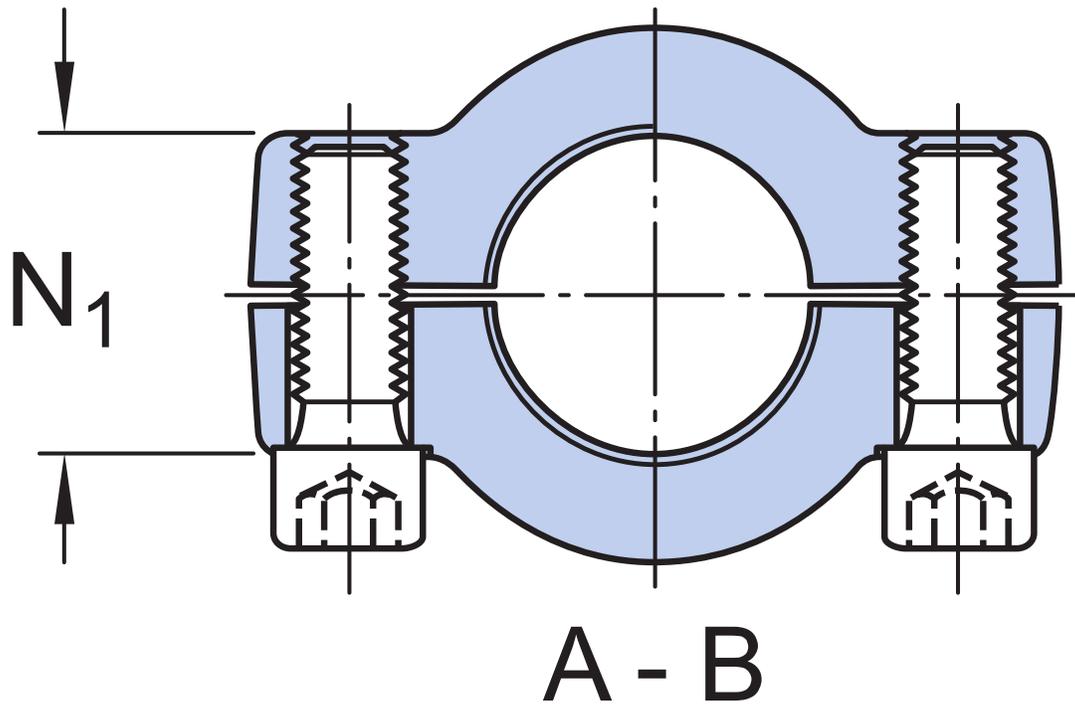
### Logistics

Product net weight	3.77 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	50 mm	Bore diameter
d <sub>2</sub>	max. 110.5 mm	Diameter head
B	50 mm	Width inner ring
G	M 42x2	Thread
C <sub>1</sub>	max. 42 mm	Width head
h <sub>1</sub>	120 mm	Height shank end face - centre rod end eye
α	4 °	Angle of tilt
d <sub>k</sub>	66 mm	Raceway diameter inner ring
d <sub>4</sub>	max. 60.5 mm	Housing diameter shank
l <sub>3</sub>	min. 57 mm	Length thread
l <sub>4</sub>	max. 180 mm	Length (height) housing
l <sub>7</sub>	min. 49 mm	Distance shank chamfer - centre rod end eye
N	max. 98 mm	Width shank
N <sub>1</sub>	max. 34 mm	Thickness shank base for clamping bolts
r <sub>1</sub>	min. 0.6 mm	Chamfer dimension bore

## Bolts with internal hexagon

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Size bolt with internal hexagon	M 12
Tightening torque bolt with internal hexagon	84 N·m

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## Calculation data

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Basic dynamic load rating	C	156 kN
Basic static load rating	C <sub>0</sub>	270 kN
Specific dynamic load factor	K	100 N/mm <sup>2</sup>
Material constant	K <sub>M</sub>	330

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## Tolerances and clearances

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- [General bearing specifications](#)



## More Information

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