

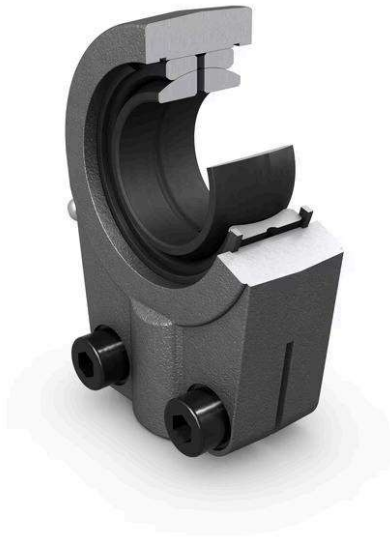


Image may differ from product. See technical specification for details.

SIR 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 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	50 mm
Outside diameter, housing eye	118 mm
Width, bearing inner ring	35 mm
Thread designation	M 45x1.5
Width, housing eye	40.5 mm
Centre height, housing (from end of shank)	105 mm
Housing length, total	169 mm

Performance

Basic dynamic load rating	156 kN
Basic static load rating	280 kN

Properties

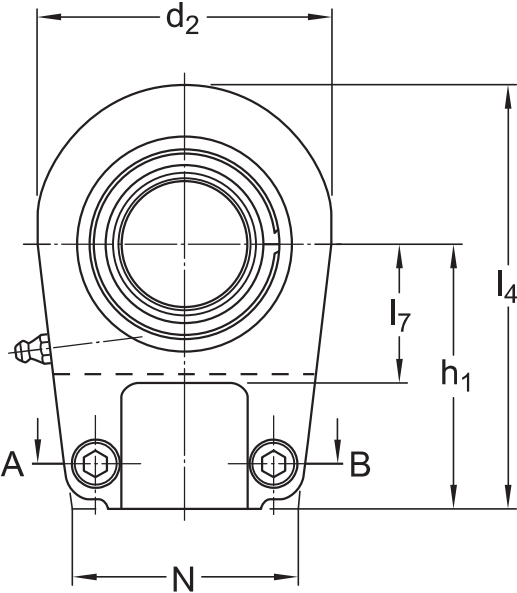
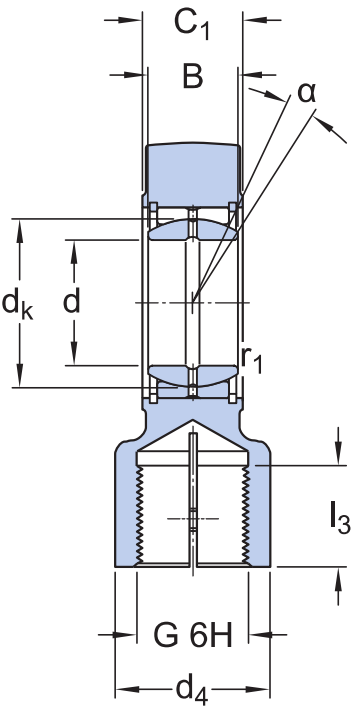
Sliding contact surface combination	Steel/steel, standard
Material, housing	Steel
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Maintenance	Relubrication required
Attachment feature, rod end shank	Right-hand female thread and clamping screws
Sealing	Without

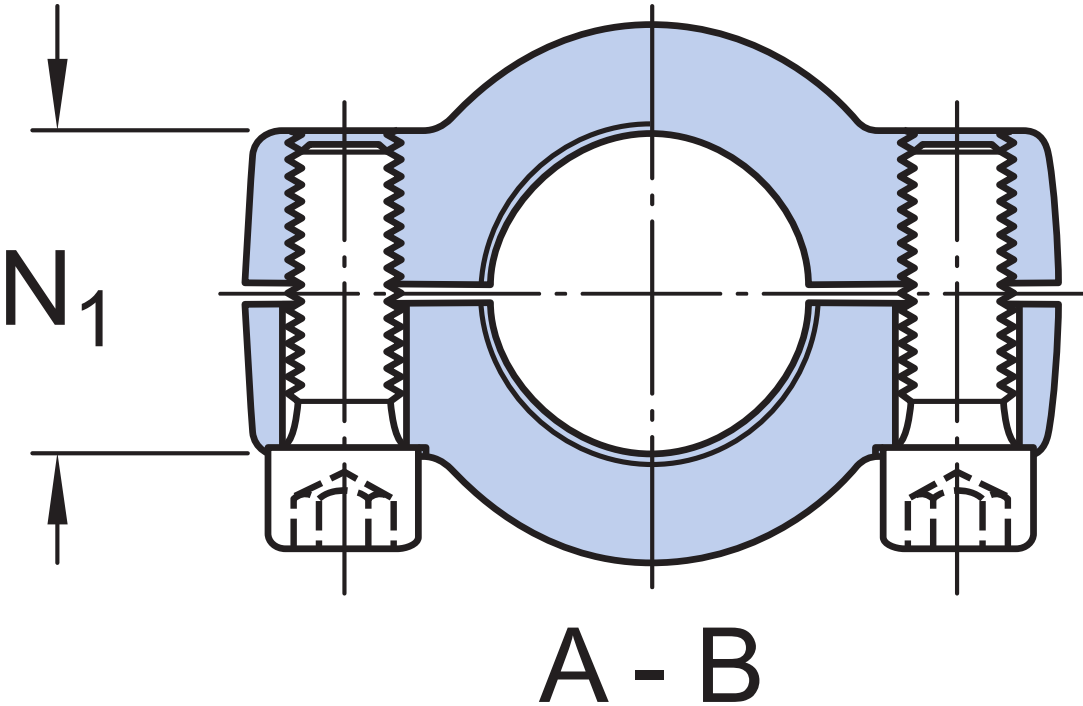
Logistics

Product net weight	3.6 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 ₂	max. 118 mm	Diameter head
B	35 mm	Width inner ring
G	M 45x1.5	Thread
C ₁	max. 40.5 mm	Width head
h ₁	105 mm	Height shank end face - centre rod end eye
α	6 °	Angle of tilt
d _k	66 mm	Raceway diameter inner ring
d ₄	max. 62.5 mm	Housing diameter shank
l ₃	min. 46 mm	Length thread
l ₄	max. 169 mm	Length (height) housing
l ₇	min. 54 mm	Distance shank chamfer - centre rod end eye
N	max. 90 mm	Width shank
N ₁	max. 38 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 12
Tightening torque bolt with internal hexagon	84 N·m

Calculation data

Basic dynamic load rating	C	156 kN
Basic static load rating	C ₀	280 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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