



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

## SC 50 ES

**Rod end, requires maintenance, cylindrical section welding shank**

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 a lubrication hole or grease fitting in the housing and via the shaft. The dowel pin eases centring at the cylindrical section welding shank.

- Suitable for heavy static, alternating or impact loads
- Easy to relubricate
- Easy to center

## Overview

### Dimensions

Bore diameter, bearing inner ring	50 mm
Outside diameter, housing eye	114 mm
Width, bearing inner ring	35 mm
Width, housing eye	31 mm
Centre height, housing (from end of shank)	88 mm
Housing length, total	150 mm

### Performance

Basic dynamic load rating	156 kN
Basic static load rating	220 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	Cylindrical section, with locating pin, for welding
Sealing	Without

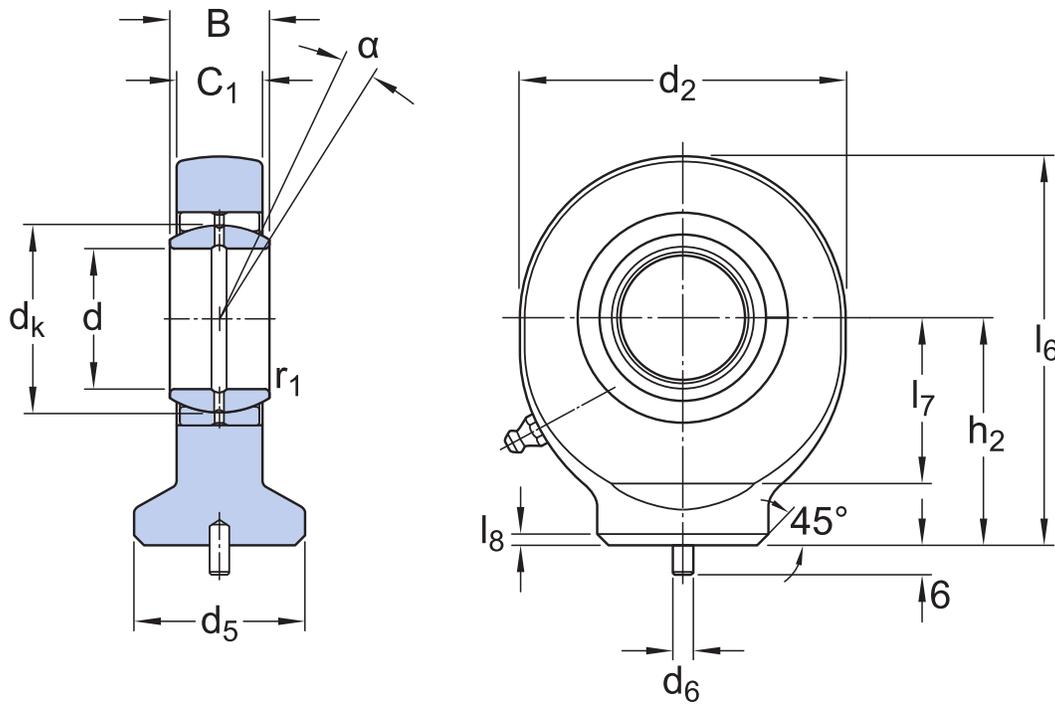
### Logistics

Product net weight	2.68 kg
eClass code	23-05-01-05
UNSPSC code	31171508

## Technical specification

Attachment feature, rod end shank

Cylindrical section, with locating pin, for welding



## Dimensions

d	50 mm	Bore diameter
d <sub>2</sub>	max. 114 mm	Diameter head
B	35 mm	Width inner ring
C <sub>1</sub>	max. 31 mm	Width head
h <sub>2</sub>	88 mm	Height shank end face - centre rod end eye
α	6°	Angle of tilt
d <sub>k</sub>	66 mm	Raceway diameter inner ring
d <sub>5</sub>	max. 64 mm	Diameter welding shank
d <sub>6</sub>	6 mm	Diameter centering pin at welding shank end
l <sub>6</sub>	max. 150 mm	Length (height) housing
l <sub>7</sub>	min. 58 mm	Distance shank chamfer - centre rod end eye
l <sub>8</sub>	4 mm	Length chamfer at welding shank end

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$r_1$	min. 0.6 mm	Chamfer dimension bore
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## Calculation data

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Basic dynamic load rating	C	156 kN
Basic static load rating	$C_0$	220 kN
Specific dynamic load factor	K	100 N/mm <sup>2</sup>
Material constant	$K_M$	330

## Tolerances and clearances

- 
- [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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