



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

SC 40 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	40 mm
Outside diameter, housing eye	94 mm
Width, bearing inner ring	28 mm
Width, housing eye	24 mm
Centre height, housing (from end of shank)	69 mm
Housing length, total	118 mm

Performance

Basic dynamic load rating	100 kN
Basic static load rating	134 kN

Properties

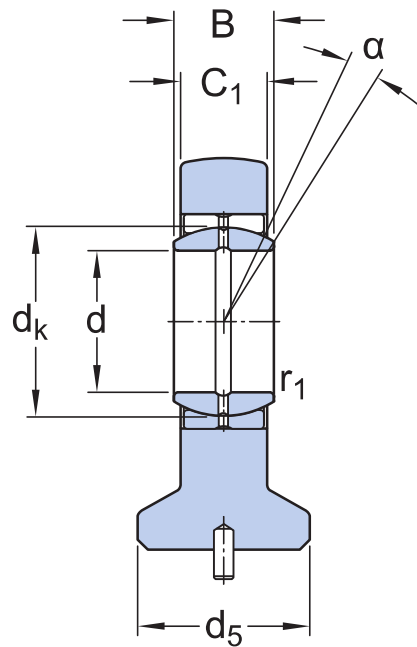
Sliding contact surface combination	Steel/steel, standard
Material, housing	Steel
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Maintenance	Relubrication required
Attachment feature, rod end shank	Cylindrical section, with locating pin, for welding
Sealing	Without

Logistics

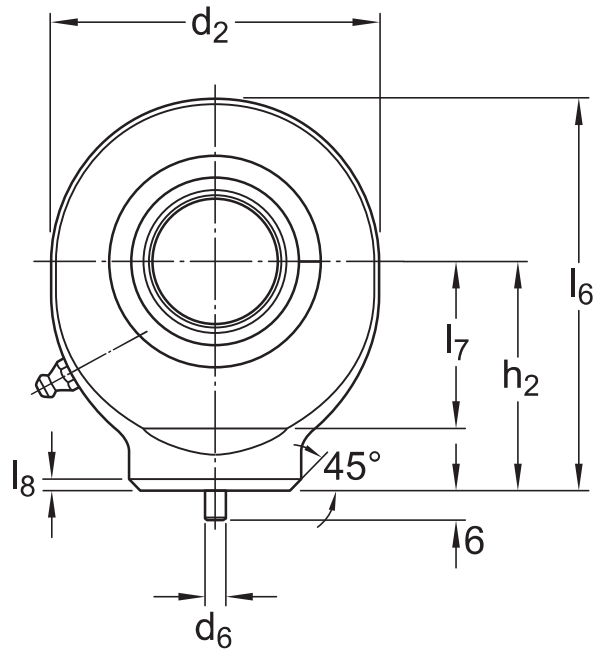
Product net weight	1.42 kg
eClass code	23-05-01-05
UNSPSC code	31171508

Technical specification

Attachment feature, rod end shank



Cylindrical section, with locating pin, for welding



Dimensions

d	40 mm	Bore diameter
d ₂	max. 94 mm	Diameter head
B	28 mm	Width inner ring
C ₁	max. 24 mm	Width head
h ₂	69 mm	Height shank end face - centre rod end eye
α	7 °	Angle of tilt
d _k	53 mm	Raceway diameter inner ring
d ₅	max. 54 mm	Diameter welding shank
d ₆	4 mm	Diameter centering pin at welding shank end
l ₆	max. 118 mm	Length (height) housing
l ₇	min. 46 mm	Distance shank chamfer - centre rod end eye
l ₈	4 mm	Length chamfer at welding shank end

r ₁	min. 0.6 mm	Chamfer dimension bore
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Calculation data

Basic dynamic load rating	C	100 kN
Basic static load rating	C ₀	134 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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