



SC 45 ES Rod end, requires maintenance, cylindrical section welding shank

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	45 mm
Outside diameter, housing eye	104 mm
Width, bearing inner ring	32 mm
Width, housing eye	28 mm
Centre height, housing (from end of shank)	77 mm
Housing length, total	132 mm

Performance

Basic dynamic load rating	127 kN
Basic static load rating	180 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

Technical Specification

Attachment feature, rod end shank

Cylindrical section, with locating pin, for welding



Dimensions

d	45 mm	Bore diameter
d ₂	max. 104 mm	Diameter head
B	32 mm	Width inner ring
C ₁	max. 28 mm	Width head
h ₂	77 mm	Height shank end face - centre rod end eye
α	7 °	Angle of tilt
d _k	60 mm	Raceway diameter inner ring
d ₅	max. 60 mm	Diameter welding shank
d ₆	6 mm	Diameter centering pin at welding shank end
l ₆	max. 132 mm	Length (height) housing
l ₇	min. 50 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

Calculation data

Basic dynamic load rating	C	127 kN
Basic static load rating	C ₀	180 kN
Specific dynamic load factor	K	100 N/mm ²
Material constant	K _M	330

Mass

Mass rod end

1.9 kg

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