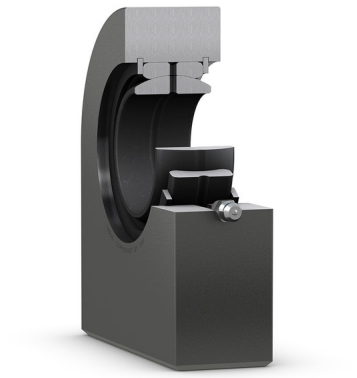

SCF 45 ESRod end, requires maintenance, rectangular section welding shank

Rod end, requires maintenance, rectangular 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 grease fitting in the housing and via the shaft. The housing with the rectangular section welding shank enables heavy static loads.

- Suitable for heavy static, alternating or impact loads
- Easy to relubricate
- Bearing can be exchanged

Overview

Dimensions

Bore diameter, bearing inner ring	45 mm
Outside diameter, housing eye	112 mm
Width, bearing inner ring	32 mm
Width, housing eye	41.5 mm
Centre height, housing (from end of shank)	77 mm
Housing length, total	134 mm

Performance

Basic dynamic load rating	127 kN
Basic static load rating	360 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	Rectangular section, for welding
Sealing	Without

Technical Specification

Attachment feature, rod end shank	Rectangular section, for welding



Dimensions

d	45 mm	Bore diameter
d_2	max. 112 mm	Diameter head
B	32 mm	Width inner ring
C_1	max. 41.5 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
l_6	max. 134 mm	Length (height) housing
r_1	min. 0.6 mm	Chamfer dimension bore

Calculation data

Basic dynamic load rating	C	127 kN
Basic static load rating	C_0	360 kN
Specific dynamic load factor	K	100 N/mm^2
Material constant	K_M	330

Mass

Mass rod end	3.4 kg

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