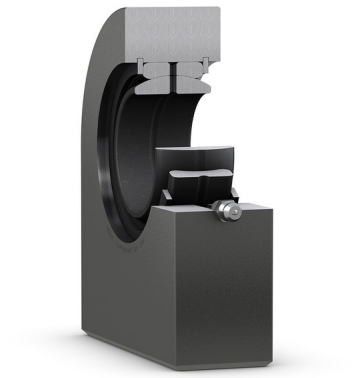


SCF 80 ESRod end, requires maintenance, rectangular section welding shank

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	80 mm
Outside diameter, housing eye	182.5 mm
Width, bearing inner ring	55 mm
Width, housing eye	62 mm
Centre height, housing (from end of shank)	141 mm
Housing length, total	233.5 mm

Performance

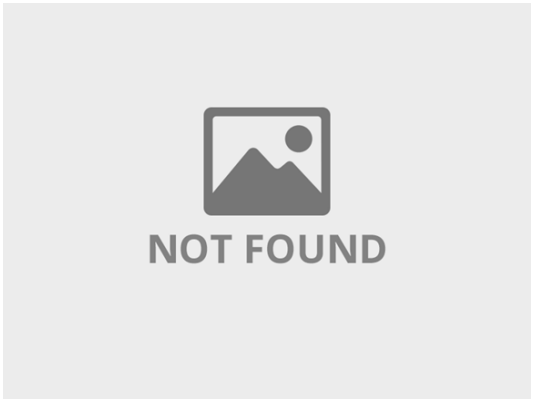
Basic dynamic load rating	400 kN
Basic static load rating	750 kN

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	80 mm	Bore diameter
d_2	max. 182.5 mm	Diameter head
B	55 mm	Width inner ring
C_1	max. 62 mm	Width head
h_2	141 mm	Height shank end face - centre rod end eye
α	6 °	Angle of tilt
d_k	105 mm	Raceway diameter inner ring
l_6	max. 233.5 mm	Length (height) housing
r_1	min. 1 mm	Chamfer dimension bore

Calculation data

Basic dynamic load rating	C	400 kN
Basic static load rating	C_0	750 kN
Specific dynamic load factor	K	100 N/mm^2
Material constant	K_M	330

Mass

Mass rod end	15 kg

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