



SIQG 80 ESRod end, requires maintenance, female thread with clamping screws

Rod end, requires maintenance, female thread with clamping screws

These SKF rod ends contain a spherical plain bearing with a steel/steel sliding contact surface combination. The inner ring is extended on both sides. The bearing requires maintenance and can be relubricated via grease fitting in the housing and for sizes 16 and larger also via the shaft. The female thread is available with a left- (prefix SIL) or right-hand thread.

- Easy to relubricate
- Suitable for heavy static, alternating or impact loads
- Simple and ready-to-mount
- Slotted shank with clamping screws
- Suitable for hydraulic cylinders
- Bearing can be exchanged

Overview

Dimensions

Bore diameter, bearing inner ring	80 mm
Outside diameter, housing eye	171.5 mm
Width, bearing inner ring	80 mm
Thread designation	M 64x3
Width, housing eye	68 mm
Centre height, housing (from end of shank)	180 mm
Housing length, total	272.5 mm

Performance

Basic dynamic load rating	400 kN
Basic static load rating	600 kN

Properties

Sliding contact surface combination	Steel/steel, standard
Material, housing	Cast iron
Material, inner ring	Bearing steel
Material,	Bearing steel

outer ring

Maintenance

Relubrication required

Attachment
feature,
rod end shank

Right-hand female thread and
clamping screws

Sealing

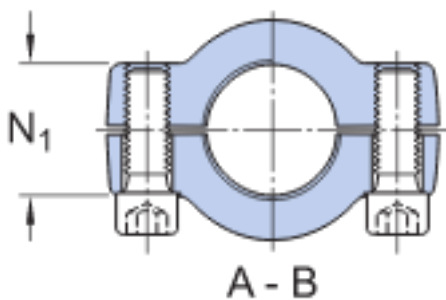
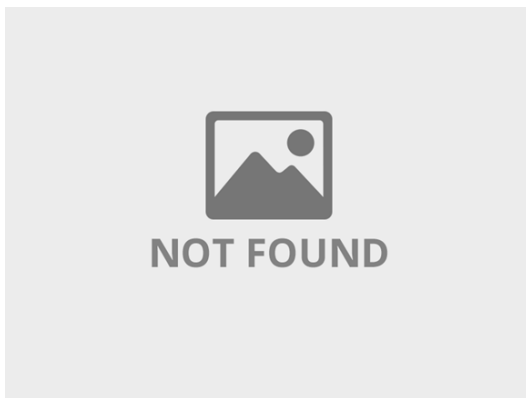
Without

Technical Specification

Maintenance	Relubrication required
Sliding contact surface combination	Steel/steel, standard
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Sealing	Without
Attachment feature, rod end shank	Right-hand female thread and clamping screws

Dimensions

d	80 mm	Bore diameter
d ₂	max. 171.5 mm	Diameter head
B	80 mm	Width inner ring
G	M 64x3	Thread
C ₁	max. 68 mm	Width head
h ₁	180 mm	Height shank end face - centre rod end eye
α	4 °	Angle of tilt
d _k	105 mm	Raceway diameter inner ring
d ₄	max. 91 mm	Housing diameter shank
l ₃	min. 86 mm	Length thread
l ₄	max. 272.5 mm	Length (height) housing
l ₇	min. 77 mm	Distance shank chamfer - centre rod end eye
N	max. 150 mm	Width shank
N ₁	max. 50 mm	Thickness shank base for clamping bolts
r ₁	min. 1 mm	Chamfer dimension bore



Bolts with internal hexagon

Size bolt with internal hexagon	M 20
Tightening torque bolt with internal hexagon	410 N·m

Calculation data

Basic dynamic load rating	C	400 kN
Basic static load rating	C_0	600 kN
Specific dynamic load factor	K	100 N/mm ²
Material constant	K_M	330

Mass

Mass rod end	14.5 kg
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