



# SIR 35 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 bearing requires maintenance and can be relubricated via grease fitting in the housing and 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	35 mm
Outside diameter, housing eye	80 mm
Width, bearing inner ring	25 mm
Thread designation	M 28x1.5
Width, housing eye	30.5 mm
Centre height, housing (from end of shank)	70 mm
Housing length, total	113 mm

### Performance

Basic dynamic load rating	80 kN
Basic static load rating	118 kN

### Properties

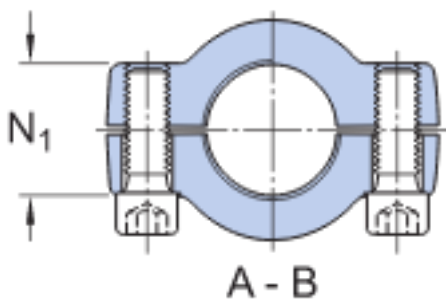
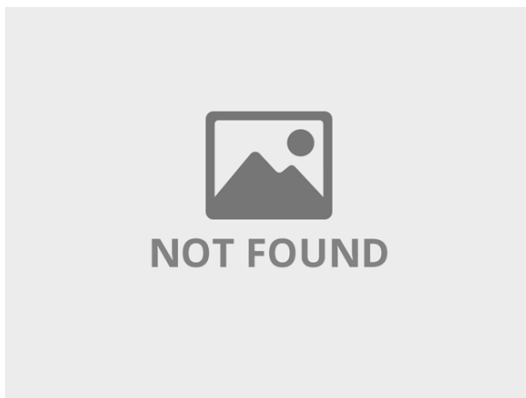
Sliding contact surface combination	Steel/steel, standard
Material, housing	Steel
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel

Maintenance	Relubrication required
Attachment feature, rod end shank	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	35 mm	Bore diameter
$d_2$	max. 80 mm	Diameter head
B	25 mm	Width inner ring
G	M 28x1.5	Thread
$C_1$	max. 30.5 mm	Width head
$h_1$	70 mm	Height shank end face - centre rod end eye
$\alpha$	6 °	Angle of tilt
$d_k$	47 mm	Raceway diameter inner ring
$d_4$	max. 41.5 mm	Housing diameter shank
$l_3$	min. 29 mm	Length thread
$l_4$	max. 113 mm	Length (height) housing
$l_7$	min. 37 mm	Distance shank chamfer - centre rod end eye
N	max. 66 mm	Width shank
$N_1$	max. 30.5 mm	Thickness shank base for clamping bolts
$r_1$	min. 0.6 mm	Chamfer dimension bore

## Bolts with internal hexagon

Size bolt with internal hexagon	M 10
Tightening torque bolt with internal hexagon	48 N·m

## Calculation data

Basic dynamic load rating	C	80 kN
Basic static load rating	$C_0$	118 kN
Specific dynamic load factor	K	100 N/mm <sup>2</sup>
Material constant	$K_M$	330

## Mass

Mass rod end	1.24 kg
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