



# SIL 50 ES-2RS Rod end, requires maintenance, female thread

Rod end, requires maintenance, female thread

These SKF rod ends contain a spherical plain bearing with a steel/steel sliding contact surface combination and a double-lip contact seal on both sides. The bearing requires maintenance and can be relubricated via a grease fitting in the housing and via the shaft. The female thread is available with a left- (prefix SIL) or right-hand thread. Some sizes have different fitting dimensions (SIA series).

- Long service life
- Minimal maintenance
- Easy to relubricate
- Suitable for heavy static, alternating or impact loads
- Simple and ready-to-mount

## Overview

### Dimensions

Bore diameter, bearing inner ring	50 mm
Outside diameter, housing eye	114 mm
Width, bearing inner ring	35 mm
Thread designation	M 52x3
Width, housing eye	31 mm
Centre height, housing (from end of shank)	195 mm
Housing length, total	254 mm

### Performance

Basic dynamic load rating	156 kN
Basic static load rating	270 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	Left-hand female thread
Sealing	Seal on both sides

Sealing type

Double-lip

# Technical Specification

Maintenance	Relubrication required
Sliding contact surface combination	Steel/steel, standard
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Sealing	Seal on both sides
Sealing type	Double-lip
Attachment feature, rod end shank	Left-hand female thread



## Dimensions

d	50 mm	Bore diameter
d <sub>2</sub>	max. 114 mm	Diameter head
B	35 mm	Width inner ring
G	M 52x3	Thread
C <sub>1</sub>	max. 31 mm	Width head
h <sub>1</sub>	195 mm	Height shank end face - centre rod end eye
α	6 °	Angle of tilt
d <sub>k</sub>	66 mm	Raceway diameter inner ring
d <sub>4</sub>	≈ 70 mm	Diameter shank
l <sub>3</sub>	min. 68 mm	Length thread
l <sub>4</sub>	max. 254 mm	Length (height) housing
l <sub>5</sub>	≈ 30 mm	Length wrench flat
l <sub>7</sub>	min. 58 mm	Distance shank chamfer - centre rod end eye
w	60 mm	Size wrench
r <sub>1</sub>	min. 0.6 mm	Chamfer dimension bore

## Calculation data

Basic dynamic load rating	C	156 kN
Basic static load rating	C <sub>0</sub>	270 kN
Specific dynamic load factor	K	100 N/mm <sup>2</sup>
Material constant	K <sub>M</sub>	330

## Mass

Mass rod end		4.1 kg
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