

# SIL 8 CRod end, maintenance-free, female thread

## Rod end, maintenance-free, female thread

These SKF rod ends contain a spherical plain bearing with a steel/PTFE sintered bronze contact surface combination. The bearing is maintenance-free. The female thread is available with a left- (prefix SIL) or right-hand thread.

- Long service life
- Maintenance-free
- Suitable for heavy, constant direction loads
- Low coefficient of friction
- Simple and ready-to-mount



## Overview

### Dimensions

Bore diameter, bearing inner ring	8 mm
Outside diameter, housing eye	25 mm
Width, bearing inner ring	8 mm
Thread designation	M 8
Width, housing eye	6.5 mm
Centre height, housing (from end of shank)	36 mm
Housing length, total	50 mm

### Performance

Basic dynamic load rating	5.85 kN
Basic static load rating	12.9 kN

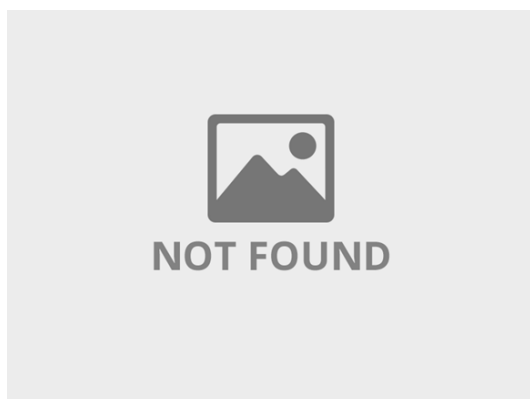
### Properties

Sliding contact surface combination	Steel/PTFE sintered bronze
Material, housing	Steel
Material, inner ring	Bearing steel
Material, outer ring	Deep-drawing steel
Maintenance	Maintenance-free
Attachment feature, rod end shank	Left-hand female thread
Sealing	Without

## Technical Specification

Maintenance	Maintenance-free
Sliding contact surface combination	Steel/PTFE sintered bronze
Material, inner ring	Bearing steel
Material, outer ring	Deep-drawing steel
Sealing	Without
Attachment feature, rod end shank	Left-hand female thread

## Dimensions



d	8 mm	Bore diameter
d <sub>2</sub>	max. 25 mm	Diameter head
B	8 mm	Width inner ring
G	M 8	Thread
C <sub>1</sub>	max. 6.5 mm	Width head
h <sub>1</sub>	36 mm	Height shank end face - centre rod end eye
α	15 °	Angle of tilt
d <sub>k</sub>	13 mm	Raceway diameter inner ring
d <sub>4</sub>	≈ 13 mm	Diameter shank
l <sub>3</sub>	min. 15 mm	Length thread
l <sub>4</sub>	max. 50 mm	Length (height) housing
l <sub>5</sub>	≈ 9 mm	Length wrench flat
l <sub>7</sub>	min. 11 mm	Distance shank chamfer - centre rod end eye
w	11 mm	Size wrench
r <sub>1</sub>	min. 0.3 mm	Chamfer dimension bore

## Calculation data

Basic dynamic load rating	C	5.85 kN
Basic static load rating	$C_0$	12.9 kN
Specific dynamic load factor	K	100 N/mm <sup>2</sup>
Material constant	$K_M$	1 400

## Mass

Mass rod end	0.036 kg
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