

# SIL 6 ERod 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. The bearing requires maintenance and can only be relubricated from the side. The female thread is available with a left- (prefix SIL) or right-hand thread.

- Suitable for heavy static, alternating or impact loads
- Simple and ready-to-mount



## Overview

## Dimensions

Bore diameter, bearing inner ring	6 mm
Outside diameter, housing eye	22 mm
Width, bearing inner ring	6 mm
Thread designation	M 6
Width, housing eye	4.5 mm
Centre height, housing (from end of shank)	30 mm
Housing length, total	43 mm

## Performance

Basic dynamic load rating	3.4 kN
Basic static load rating	8.15 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	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	Left-hand female thread



## Dimensions

d	6 mm	Bore diameter
d <sub>2</sub>	max. 22 mm	Diameter head
B	6 mm	Width inner ring
G	M 6	Thread
C <sub>1</sub>	max. 4.5 mm	Width head
h <sub>1</sub>	30 mm	Height shank end face - centre rod end eye
α	13 °	Angle of tilt
d <sub>k</sub>	10 mm	Raceway diameter inner ring
d <sub>4</sub>	≈ 11 mm	Diameter shank
l <sub>3</sub>	min. 11 mm	Length thread
l <sub>4</sub>	max. 43 mm	Length (height) housing
l <sub>5</sub>	≈ 8 mm	Length wrench flat
l <sub>7</sub>	min. 9 mm	Distance shank chamfer - centre rod end eye
w	9 mm	Size wrench
r <sub>1</sub>	min. 0.3 mm	Chamfer dimension bore

## Calculation data

Basic dynamic load rating	C	3.4 kN
Basic static load rating	$C_0$	8.15 kN
Specific dynamic load factor	K	100 N/mm <sup>2</sup>
Material constant	$K_M$	330

## Mass

Mass rod end	0.02 kg
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