

# SILKB 6 FRod end, maintenance-free, female thread

## Rod end, maintenance-free, female thread

These SKF rod ends have an injection moulded sliding layer of PTFE FRP between the housing and the inner ring. This sliding contact surface combination is maintenance-free. The male thread is available with a left- (prefix SAL) or right-hand thread.

- Long service life
- Maintenance-free
- Relatively insensitive to contaminants
- Low coefficient of friction
- Simple and ready-to-mount



## Overview

### Dimensions

Bore diameter, bearing inner ring	6 mm
Outside diameter, housing eye	21 mm
Width, bearing inner ring	9 mm
Thread designation	M 6
Width, housing eye	7.5 mm
Centre height, housing (from end of shank)	30 mm
Housing length, total	42 mm

### Performance

Basic dynamic load rating	4.25 kN
Basic static load rating	6.8 kN

### Properties

Sliding contact surface combination	Steel/PTFE FRP
Material, housing	Steel
Material, inner ring	Bearing 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 FRP
Material, inner 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. 21 mm	Diameter head
B	9 mm	Width inner ring
G	M 6	Thread
C <sub>1</sub>	max. 7.5 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>	12.7 mm	Raceway diameter inner ring
d <sub>3</sub>	≈ 10 mm	Housing diameter shank
d <sub>4</sub>	max. 14 mm	Housing diameter shank
l <sub>3</sub>	min. 9 mm	Length thread
l <sub>4</sub>	max. 42 mm	Length (height) housing
l <sub>5</sub>	≈ 5 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	4.25 kN
Basic static load rating	$C_0$	6.8 kN
Specific dynamic load factor	K	50 N/mm <sup>2</sup>
Material constant	$K_M$	530

## Mass

Mass rod end	0.028 kg
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