

# SILKB 20 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	20 mm
Outside diameter, housing eye	51 mm
Width, bearing inner ring	25 mm
Thread designation	M 20x1.5
Width, housing eye	18.5 mm
Centre height, housing (from end of shank)	77 mm
Housing length, total	105 mm

### Performance

Basic dynamic load rating	31 kN
Basic static load rating	50 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	20 mm	Bore diameter
d <sub>2</sub>	max. 51 mm	Diameter head
B	25 mm	Width inner ring
G	M 20x1.5	Thread
C <sub>1</sub>	max. 18.5 mm	Width head
h <sub>1</sub>	77 mm	Height shank end face - centre rod end eye
α	14 °	Angle of tilt
d <sub>k</sub>	34.925 mm	Raceway diameter inner ring
d <sub>3</sub>	≈ 27.5 mm	Housing diameter shank
d <sub>4</sub>	max. 37 mm	Housing diameter shank
l <sub>3</sub>	min. 30 mm	Length thread
l <sub>4</sub>	max. 105 mm	Length (height) housing
l <sub>5</sub>	≈ 10 mm	Length wrench flat
l <sub>7</sub>	min. 25 mm	Distance shank chamfer - centre rod end eye
w	32 mm	Size wrench
r <sub>1</sub>	min. 0.3 mm	Chamfer dimension bore

## Calculation data

Basic dynamic load rating	C	31 kN
Basic static load rating	$C_0$	50 kN
Specific dynamic load factor	K	50 N/mm <sup>2</sup>
Material constant	$K_M$	530

## Mass

Mass rod end	0.38 kg
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