

# SI 20 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	20 mm
Outside diameter, housing eye	54 mm
Width, bearing inner ring	16 mm
Thread designation	M 20x1.5
Width, housing eye	13.5 mm
Centre height, housing (from end of shank)	77 mm
Housing length, total	106 mm

### Performance

Basic dynamic load rating	31.5 kN
Basic static load rating	57 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	Right-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	Right-hand female thread

### Dimensions



d	20 mm	Bore diameter
d <sub>2</sub>	max. 54 mm	Diameter head
B	16 mm	Width inner ring
G	M 20x1.5	Thread
C <sub>1</sub>	max. 13.5 mm	Width head
h <sub>1</sub>	77 mm	Height shank end face - centre rod end eye
α	9 °	Angle of tilt
d <sub>k</sub>	29 mm	Raceway diameter inner ring
d <sub>4</sub>	≈ 28 mm	Diameter shank
l <sub>3</sub>	min. 30 mm	Length thread
l <sub>4</sub>	max. 106 mm	Length (height) housing
l <sub>5</sub>	≈ 16 mm	Length wrench flat
l <sub>7</sub>	min. 24 mm	Distance shank chamfer - centre rod end eye
w	24 mm	Size wrench
r <sub>1</sub>	min. 0.3 mm	Chamfer dimension bore

## Calculation data

Basic dynamic load rating	C	31.5 kN
Basic static load rating	$C_0$	57 kN
Specific dynamic load factor	K	100 N/mm <sup>2</sup>
Material constant	$K_M$	1 400

## Mass

Mass rod end	0.35 kg
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