

# SIL 50 TXE-2LSRod end, maintenance-free, female thread

## Rod end, maintenance-free, female thread



These SKF rod ends contain a spherical plain bearing with a steel/PTFE fabric sliding contact surface combination and a triple-lip, heavy duty contact seal on both sides. The bearing is maintenance-free. The female thread is available with a left- (prefix SIL) or right-hand thread. Some sizes have different fitting dimensions (SAA series).

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

## Overview

### Dimensions

Bore diameter, bearing inner ring	50 mm
Outside diameter, housing eye	114 mm
Width, bearing inner ring	35 mm
Thread designation	M 52x3
Width, housing eye	31 mm
Centre height, housing (from end of shank)	195 mm
Housing length, total	254 mm

### Performance

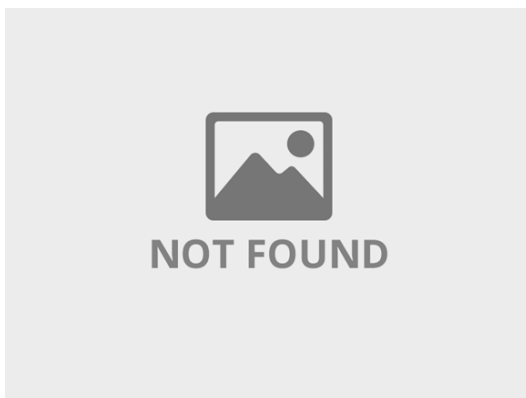
Basic dynamic load rating	440 kN
Basic static load rating	270 kN

### Properties

Sliding contact surface combination	Steel/PTFE fabric
Material, housing	Steel
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Maintenance	Maintenance-free
Attachment feature, rod end shank	Left-hand female thread
Sealing	Seal on both sides
Sealing type	Triple-lip

## Technical Specification

Maintenance	Maintenance-free
Sliding contact surface combination	Steel/PTFE fabric
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Sealing	Seal on both sides
Sealing type	Triple-lip
Attachment feature, rod end shank	Left-hand female thread



### Dimensions

d	50 mm	Bore diameter
d <sub>2</sub>	max. 114 mm	Diameter head
B	35 mm	Width inner ring
G	M 52x3	Thread
C <sub>1</sub>	max. 31 mm	Width head
h <sub>1</sub>	195 mm	Height shank end face - centre rod end eye
α	6 °	Angle of tilt
d <sub>k</sub>	66 mm	Raceway diameter inner ring
d <sub>4</sub>	≈ 70 mm	Diameter shank
l <sub>3</sub>	min. 68 mm	Length threath
l <sub>4</sub>	max. 254 mm	Length (height) housing
l <sub>5</sub>	≈ 30 mm	Length wrench flat
l <sub>7</sub>	min. 58 mm	Distance shank chamfer - centre rod end eye
w	60 mm	Size wrench
r <sub>1</sub>	min. 0.6 mm	Chamfer dimension bore

## Calculation data

Basic dynamic load rating	C	440 kN
Basic static load rating	C <sub>0</sub>	270 kN
Specific dynamic load factor	K	300 N/mm <sup>2</sup>

## Mass

Mass rod end	4.5 kg
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