

# SI 50 TXE-2LSRod end



## Rod end

SKF rod ends consist of an eye-shaped head with an integral shank that forms a housing for a spherical plain bearing. These rod ends are used in applications such as hydraulic cylinders, steering links, tie rods, or anywhere a precision articulation joint is required. SKF provides both rod ends that require maintenance and rod ends that are maintenance-free.

- Bearing housing combination for simple installation
- Various designs for individual assemblies
- Many sliding contact surface combinations
- Available with female or male left- or right-hand thread or with a welding shank

## 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

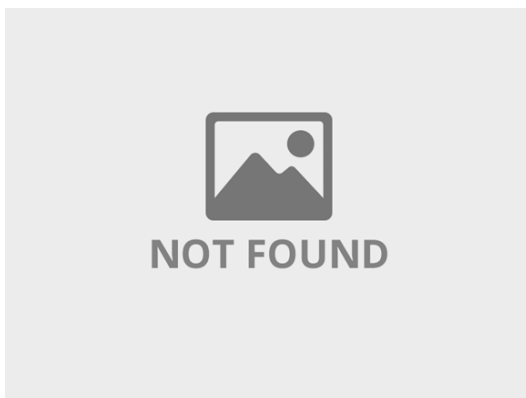
Basic dynamic load rating	440 kN
Basic static load rating	270 kN

## 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	Right-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	Right-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	$C_0$	270 kN
Specific dynamic load factor	K	300 N/mm <sup>2</sup>

## Mass

Mass rod end	4.5 kg
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