



SI 50 ES-2RS Rod end, requires maintenance, female thread

Rod end, requires maintenance, female thread

These SKF rod ends contain a spherical plain bearing with a steel/steel sliding contact surface combination and a double-lip contact seal on both sides. The bearing requires maintenance and can be relubricated via a grease fitting in the housing and via the shaft. The female thread is available with a left- (prefix SIL) or right-hand thread. Some sizes have different fitting dimensions (SIA series).

- Long service life
- Minimal maintenance
- Easy to relubricate
- Suitable for heavy static, alternating or impact loads
- 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	156 kN
Basic static load rating	270 kN

Properties

Sliding contact surface combination	Steel/steel, standard
Material, housing	Steel
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Maintenance	Relubrication required
Attachment feature, rod end shank	Right-hand female thread
Sealing	Seal on both sides

Sealing type

Double-lip

Technical Specification

Maintenance	Relubrication required
Sliding contact surface combination	Steel/steel, standard
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Sealing	Seal on both sides
Sealing type	Double-lip
Attachment feature, rod end shank	Right-hand female thread



Dimensions

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

Calculation data

Basic dynamic load rating	C	156 kN
Basic static load rating	C_0	270 kN
Specific dynamic load factor	K	100 N/mm ²
Material constant	K_M	330

Mass

Mass rod end	4.1 kg
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