

SIL 12 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	12 mm
Outside diameter, housing eye	35 mm
Width, bearing inner ring	10 mm
Thread designation	M 12
Width, housing eye	8.5 mm
Centre height, housing (from end of shank)	50 mm
Housing length, total	69 mm

Performance

Basic dynamic load rating	11.4 kN
Basic static load rating	25.5 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	Left-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	Left-hand female thread



Dimensions

d	12 mm	Bore diameter
d ₂	max. 35 mm	Diameter head
B	10 mm	Width inner ring
G	M 12	Thread
C ₁	max. 8.5 mm	Width head
h ₁	50 mm	Height shank end face - centre rod end eye
α	10 °	Angle of tilt
d _k	18 mm	Raceway diameter inner ring
d ₄	≈ 19 mm	Diameter shank
l ₃	min. 18 mm	Length thread
l ₄	max. 69 mm	Length (height) housing
l ₅	≈ 12 mm	Length wrench flat
l ₇	min. 17 mm	Distance shank chamfer - centre rod end eye
w	17 mm	Size wrench
r ₁	min. 0.3 mm	Chamfer dimension bore

Calculation data

Basic dynamic load rating	C	11.4 kN
Basic static load rating	C_0	25.5 kN
Specific dynamic load factor	K	100 N/mm ²
Material constant	K_M	1 400

Mass

Mass rod end		0.11 kg
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