

SIKB 6 FRod end, maintenance-free, female thread

Rod end, maintenance-free, female thread

These SKF rod ends have an injection moulded sliding layer of PTFE FRP between the housing and the inner ring. This sliding contact surface combination is maintenance-free. The male thread is available with a left- (prefix SAL) or right-hand thread.

- Long service life
- Maintenance-free
- Relatively insensitive to contaminants
- Low coefficient of friction
- Simple and ready-to-mount



Overview

Dimensions

Bore diameter, bearing inner ring	6 mm
Outside diameter, housing eye	21 mm
Width, bearing inner ring	9 mm
Thread designation	M 6
Width, housing eye	7.5 mm
Centre height, housing (from end of shank)	30 mm
Housing length, total	42 mm

Performance

Basic dynamic load rating	4.25 kN
Basic static load rating	6.8 kN

Properties

Sliding contact surface combination	Steel/PTFE FRP
Material, housing	Steel
Material, inner ring	Bearing 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 FRP
Material, inner ring	Bearing steel
Sealing	Without
Attachment feature, rod end shank	Right-hand female thread



Dimensions

d	6 mm	Bore diameter
d ₂	max. 21 mm	Diameter head
B	9 mm	Width inner ring
G	M 6	Thread
C ₁	max. 7.5 mm	Width head
h ₁	30 mm	Height shank end face - centre rod end eye
α	13 °	Angle of tilt
d _k	12.7 mm	Raceway diameter inner ring
d ₃	≈ 10 mm	Housing diameter shank
d ₄	max. 14 mm	Housing diameter shank
l ₃	min. 9 mm	Length thread
l ₄	max. 42 mm	Length (height) housing
l ₅	≈ 5 mm	Length wrench flat
l ₇	min. 11 mm	Distance shank chamfer - centre rod end eye
w	11 mm	Size wrench
r ₁	min. 0.3 mm	Chamfer dimension bore

Calculation data

Basic dynamic load rating	C	4.25 kN
Basic static load rating	C_0	6.8 kN
Specific dynamic load factor	K	50 N/mm ²
Material constant	K_M	530

Mass

Mass rod end	0.028 kg
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