

SIKAC 12 M/VZ019Rod end, requires maintenance, female thread

Rod end, requires maintenance, female thread

These SKF rod ends contain a spherical plain bearing with a steel/bronze sliding contact surface combination. The bearing requires maintenance, sizes 6 and larger can be relubricated via a grease fitting in the housing and via the shank. The female thread is available with a left- (prefix SIL) or right-hand thread.

- Suitable where lubricant starvation might occur
- Simple and ready-to-mount
- Easy to relubricate (sizes ≥ 6)



Overview

Dimensions

Bore diameter, bearing inner ring	12 mm
Outside diameter, housing eye	33 mm
Width, bearing inner ring	16 mm
Thread designation	M 12x1.25
Width, housing eye	12.5 mm
Centre height, housing (from end of shank)	50 mm
Housing length, total	67 mm

Performance

Basic dynamic load rating	12.2 kN
Basic static load rating	14 kN

Properties

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

Technical Specification

Maintenance	Relubrication required
Sliding contact surface combination	Steel/bronze
Material, inner ring	Bearing steel
Sealing	Without
Attachment feature, rod end shank	Right-hand female thread



Dimensions

d	12 mm	Bore diameter
d ₂	max. 33 mm	Diameter head
B	16 mm	Width inner ring
G	M 12x1.25	Thread
C ₁	max. 12.5 mm	Width head
h ₁	50 mm	Height shank end face - centre rod end eye
α	13 °	Angle of tilt
d _k	22.225 mm	Raceway diameter inner ring
d ₃	≈ 17.5 mm	Housing diameter shank
d ₄	max. 23 mm	Housing diameter shank
l ₃	min. 18 mm	Length thread
l ₄	max. 67 mm	Length (height) housing
l ₅	≈ 6.5 mm	Length wrench flat
l ₇	min. 16 mm	Distance shank chamfer - centre rod end eye
w	19 mm	Size wrench
r ₁	min. 0.3 mm	Chamfer dimension bore

Calculation data

Basic dynamic load rating	C	12.2 kN
Basic static load rating	C ₀	14 kN
Specific dynamic load factor	K	50 N/mm ²
Material constant	K _M	330

Mass

Mass rod end		0.11 kg
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