

Image may differ from product. See technical specification for details.

SIKAC 12 M/VZ019

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

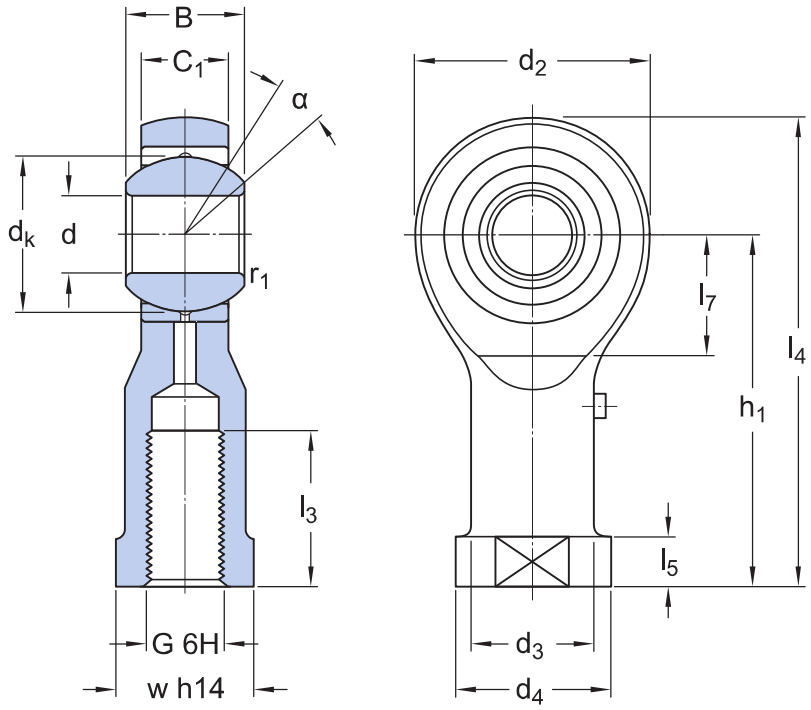
Sliding contact surface combination	Steel/bronze
Material, housing	Steel
Material, inner ring	Bearing steel
Maintenance	Relubrication required
Attachment feature, rod end shank	Right-hand female thread
Sealing	Without

Logistics

Product net weight	0.113 kg
eClass code	23-05-01-05
UNSPSC code	31171508

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

Tolerances and clearances

- General bearing specifications

More Information

Product details

- Rod ends bearings requiring maintenance
- Maintenance-free rod ends
- General rod end specifications
- Temperature limits

Engineering information

- Principles of selection

Tools

- SKF Product select

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