



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

SI 20 ES

Rod end, requires maintenance, female thread

These SKF rod ends contain a spherical plain bearing with a steel/steel sliding contact surface combination. The bearing requires maintenance and can be relubricated via a lubrication hole in the housing and via the shaft. The female thread is available with a left- (prefix SIL) or right-hand thread.

- Suitable for heavy static, alternating or impact loads
- Simple and ready-to-mount
- Easy to relubricate

Overview

Dimensions

Bore diameter, bearing inner ring	20 mm
Outside diameter, housing eye	54 mm
Width, bearing inner ring	16 mm
Thread designation	M 20x1.5
Width, housing eye	13.5 mm
Centre height, housing (from end of shank)	77 mm
Housing length, total	106 mm

Performance

Basic dynamic load rating	30 kN
Basic static load rating	57 kN

Properties

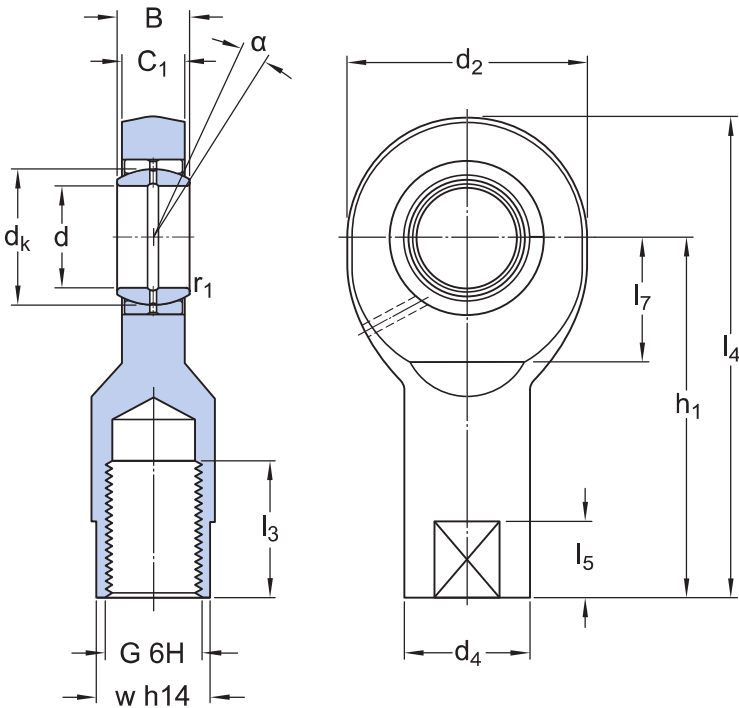
Sliding contact surface combination	Steel/steel, standard
Material, housing	Steel
Material, inner ring	Bearing steel
Material, outer ring	Bearing steel
Maintenance	Relubrication required
Attachment feature, rod end shank	Right-hand female thread
Sealing	Without

Logistics

Product net weight	0.364 kg
eClass code	23-05-01-05
UNSPSC code	31171508

Technical specification

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



Dimensions

d	20 mm	Bore diameter
d ₂	max. 54 mm	Diameter head
B	16 mm	Width inner ring
G	M 20x1.5	Thread
C ₁	max. 13.5 mm	Width head
h ₁	77 mm	Height shank end face - centre rod end eye
α	9 °	Angle of tilt
d _k	29 mm	Raceway diameter inner ring

d ₄	≈ 28 mm	Diameter shank
l ₃	min. 30 mm	Length thread
l ₄	max. 106 mm	Length (height) housing
l ₅	≈ 16 mm	Length wrench flat
l ₇	min. 24 mm	Distance shank chamfer - centre rod end eye
w	24 mm	Size wrench
r ₁	min. 0.3 mm	Chamfer dimension bore

Calculation data

Basic dynamic load rating	C	30 kN
Basic static load rating	C ₀	57 kN
Specific dynamic load factor	K	100 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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