SI 17 ESRod end

Rod end

SKF rod ends consist of an eye-shaped head with an integral shank that forms a housing for a spherical plain bearing. These rod ends are used in applications such as hydraulic cylinders, steering links, tie rods, or anywhere a precision articulation joint is required. SKF provides both rod ends that require maintenance and rod ends that are maintenance-free.

- Bearing housing combination for simple installation
- Various designs for individual assemblies
- Many sliding contact surface combinations
- Available with female or male left- or right-hand thread or with a welding shank

Overview

Dimensions

Bore diameter, bearing inner ring	17 mm
Outside diameter, housing eye	47 mm
Width, bearing inner ring	14 mm
Thread designation	M 16
Width, housing eye	11.5 mm
Centre height, housing (from end of shank)	67 mm
Housing length, total	92 mm

Performance

Basic dynamic load rating	21.2 kN
Basic static load rating	44 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

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	17 mm	Bore diameter
d_2	max. 47 mm	Diameter head
B	14 mm	Width inner ring
G	M 16	Thread
C_1	max. 11.5 mm	Width head
h_1	67 mm	Height shank end face - centre rod end eye
α	10 °	Angle of tilt
d_k	25 mm	Raceway diameter inner ring
d_4	≈ 25 mm	Diameter shank
l_3	min. 24 mm	Length threat
l_4	max. 92 mm	Length (height) housing
l_5	≈ 15 mm	Length wrench flat
l_7	min. 22 mm	Distance shank chamfer - centre rod end eye
w	22 mm	Size wrench
r_1	min. 0.3 mm	Chamfer dimension bore

Calculation data

Basic dynamic load rating	C	21.2 kN
Basic static load rating	C_0	44 kN
Specific dynamic load factor	K	100 N/mm^2
Material constant	K_M	330

Mass

Mass rod end	0.25 kg

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