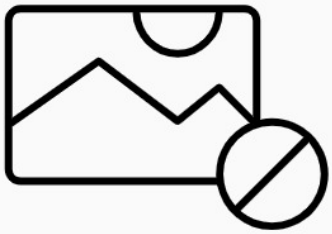
SA 12 ERod end



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	12 mm
Outside diameter, housing eye	35 mm
Width, bearing inner ring	10 mm
Thread designation	M 12
Width, housing eye	8.5 mm
Centre height, housing (from end of shank)	54 mm
Housing length, total	73 mm

Performance

Basic dynamic load rating	10.8 kN
Basic static load rating	24.5 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 male 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 male thread

Dimensions

d	12 mm	Bore diameter
d_2	max. 35 mm	Diameter head
B	10 mm	Width inner ring
G	M 12	Thread
C_1	max. 8.5 mm	Width head
h	54 mm	Height shank end face - centre rod end eye
α	10 °	Angle of tilt
d_k	18 mm	Raceway diameter inner ring
l_1	min. 28 mm	Length threat
l_2	max. 73 mm	Length (height) housing
l_7	min. 17 mm	Distance shank chamfer - centre rod end eye
r_1	min. 0.3 mm	Chamfer dimension bore

Calculation data

Basic dynamic load rating	C	10.8 kN

Basic static load rating	C_0	24.5 kN
Specific dynamic load factor	K	100 N/mm²
Material constant	K_M	330

Mass

Mass rod end	0.078 kg

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