

# SA 35 ES-2RS Rod 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	35 mm
Outside diameter, housing eye	84 mm
Width, bearing inner ring	25 mm
Thread designation	M 36x3
Width, housing eye	22 mm
Centre height, housing (from end of shank)	130 mm
Housing length, total	174 mm

## Performance

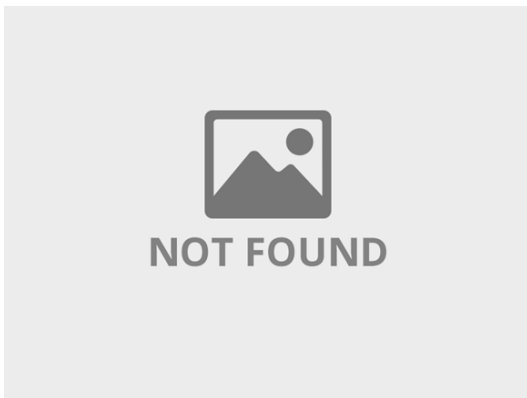
Basic dynamic load rating	80 kN
Basic static load rating	110 kN

## 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	Seal on both sides
Sealing type	Double-lip

# Technical Specification

Maintenance	Relubrication required
Sliding contact surface combination	Steel/steel, standard
Material, inner ring	Bearing steel
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Sealing type	Double-lip
Attachment feature, rod end shank	Right-hand male thread



## Dimensions

d	35 mm	Bore diameter
d <sub>2</sub>	max. 84 mm	Diameter head
B	25 mm	Width inner ring
G	M 36x3	Thread
C <sub>1</sub>	max. 22 mm	Width head
h	130 mm	Height shank end face - centre rod end eye
α	6 °	Angle of tilt
d <sub>k</sub>	47 mm	Raceway diameter inner ring
l <sub>1</sub>	min. 68 mm	Length thread
l <sub>2</sub>	max. 174 mm	Length (height) housing
l <sub>7</sub>	min. 40 mm	Distance shank chamfer - centre rod end eye
r <sub>1</sub>	min. 0.6 mm	Chamfer dimension bore

## Calculation data

Basic dynamic load rating	C	80 kN
Basic static load rating	$C_0$	110 kN
Specific dynamic load factor	K	100 N/mm <sup>2</sup>
Material constant	$K_M$	330

## Mass

Mass rod end	1.3 kg
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