



# SAL 45 ES-2RS Rod end, requires maintenance, sealed, male thread

Rod end, requires maintenance, sealed, male thread

These SKF rod ends contain a spherical plain bearing with a steel/steel sliding contact surface combination and a double-lip contact seal on both sides. The bearing requires maintenance and can be relubricated via a grease fitting in the housing and via the shaft. The male thread is available with a left- (prefix SAL) or a right-hand thread. Some sizes have different fitting dimensions (SA(L)A series).

- Long service life
- Minimal maintenance
- Easy to relubricate
- Suitable for heavy static, alternating or impact loads
- Simple and ready-to-mount

## Overview

### Dimensions

Bore diameter, bearing inner ring	45 mm
Outside diameter, housing eye	104 mm
Width, bearing inner ring	32 mm
Thread designation	M 45x3
Width, housing eye	28 mm
Centre height, housing (from end of shank)	165 mm
Housing length, total	219 mm

### Performance

Basic dynamic load rating	127 kN
Basic static load rating	200 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	Left-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
Material, outer ring	Bearing steel
Sealing	Seal on both sides
Sealing type	Double-lip
Attachment feature, rod end shank	Left-hand male thread

## Dimensions



d	45 mm	Bore diameter
d <sub>2</sub>	max. 104 mm	Diameter head
B	32 mm	Width inner ring
G	M 45x3	Thread
C <sub>1</sub>	max. 28 mm	Width head
h	165 mm	Height shank end face - centre rod end eye
α	7 °	Angle of tilt
d <sub>k</sub>	60 mm	Raceway diameter inner ring
l <sub>1</sub>	min. 95 mm	Length thread
l <sub>2</sub>	max. 219 mm	Length (height) housing
l <sub>7</sub>	min. 50 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	127 kN
Basic static load rating	$C_0$	200 kN
Specific dynamic load factor	K	100 N/mm <sup>2</sup>
Material constant	$K_M$	330

## Mass

Mass rod end	2.55 kg
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