



SA 40 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	40 mm
Outside diameter, housing eye	94 mm
Width, bearing inner ring	28 mm
Thread designation	M 42x3
Width, housing eye	24 mm
Centre height, housing (from end of shank)	145 mm
Housing length, total	194 mm

Performance

Basic dynamic load rating	100 kN
Basic static load rating	140 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
Material, outer ring	Bearing steel
Sealing	Seal on both sides
Sealing type	Double-lip
Attachment feature, rod end shank	Right-hand male thread

Dimensions



d	40 mm	Bore diameter
d ₂	max. 94 mm	Diameter head
B	28 mm	Width inner ring
G	M 42x3	Thread
C ₁	max. 24 mm	Width head
h	145 mm	Height shank end face - centre rod end eye
α	6 °	Angle of tilt
d _k	53 mm	Raceway diameter inner ring
l ₁	min. 76 mm	Length thread
l ₂	max. 194 mm	Length (height) housing
l ₇	min. 46 mm	Distance shank chamfer - centre rod end eye
r ₁	min. 0.6 mm	Chamfer dimension bore

Calculation data

Basic dynamic load rating	C	100 kN
Basic static load rating	C_0	140 kN
Specific dynamic load factor	K	100 N/mm ²
Material constant	K_M	330

Mass

Mass rod end		1.9 kg
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