



SI 40 ES-2RS Rod end, requires maintenance, female thread

Rod end, requires maintenance, female 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 female thread is available with a left- (prefix SIL) or right-hand thread. Some sizes have different fitting dimensions (SIA 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 | 166 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 | 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 female 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 ₁ | 145 mm | Height shank end face - centre rod end eye |
| α | 6 ° | Angle of tilt |
| d _k | 53 mm | Raceway diameter inner ring |
| d ₄ | ≈ 58 mm | Diameter shank |
| l ₃ | min. 65 mm | Length thread |
| l ₄ | max. 194 mm | Length (height) housing |
| l ₅ | ≈ 25 mm | Length wrench flat |
| l ₇ | min. 50 mm | Distance shank chamfer - centre rod end eye |
| w | 50 mm | Size wrench |
| r ₁ | min. 0.6 mm | Chamfer dimension bore |

Calculation data

| | | |
|------------------------------|----------------|-----------------------|
| Basic dynamic load rating | C | 100 kN |
| Basic static load rating | C ₀ | 166 kN |
| Specific dynamic load factor | K | 100 N/mm ² |
| Material constant | K _M | 330 |

Mass

| | |
|--------------|--------|
| Mass rod end | 2.2 kg |
|--------------|--------|

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