

SI 10 CRod end, maintenance-free, female thread

Rod end, maintenance-free, female thread

These SKF rod ends contain a spherical plain bearing with a steel/PTFE sintered bronze contact surface combination. The bearing is maintenance-free. The female thread is available with a left- (prefix SIL) or right-hand thread.

- Long service life
- Maintenance-free
- Suitable for heavy, constant direction loads
- Low coefficient of friction
- Simple and ready-to-mount



Overview

Dimensions

| | |
|--|--------|
| Bore diameter, bearing inner ring | 10 mm |
| Outside diameter, housing eye | 30 mm |
| Width, bearing inner ring | 9 mm |
| Thread designation | M 10 |
| Width, housing eye | 7.5 mm |
| Centre height, housing (from end of shank) | 43 mm |
| Housing length, total | 60 mm |

Performance

| | |
|---------------------------|---------|
| Basic dynamic load rating | 8.65 kN |
| Basic static load rating | 19 kN |

Properties

| | |
|-------------------------------------|----------------------------|
| Sliding contact surface combination | Steel/PTFE sintered bronze |
| Material, housing | Steel |
| Material, inner ring | Bearing steel |
| Material, outer ring | Deep-drawing steel |
| Maintenance | Maintenance-free |
| Attachment feature, rod end shank | Right-hand female thread |
| Sealing | Without |

Technical Specification

| | |
|-------------------------------------|----------------------------|
| Maintenance | Maintenance-free |
| Sliding contact surface combination | Steel/PTFE sintered bronze |
| Material, inner ring | Bearing steel |
| Material, outer ring | Deep-drawing steel |
| Sealing | Without |
| Attachment feature, rod end shank | Right-hand female thread |



Dimensions

| | | |
|----------------|-------------|---|
| d | 10 mm | Bore diameter |
| d ₂ | max. 30 mm | Diameter head |
| B | 9 mm | Width inner ring |
| G | M 10 | Thread |
| C ₁ | max. 7.5 mm | Width head |
| h ₁ | 43 mm | Height shank end face - centre rod end eye |
| α | 12 ° | Angle of tilt |
| d _k | 16 mm | Raceway diameter inner ring |
| d ₄ | ≈ 16 mm | Diameter shank |
| l ₃ | min. 15 mm | Length thread |
| l ₄ | max. 60 mm | Length (height) housing |
| l ₅ | ≈ 11 mm | Length wrench flat |
| l ₇ | min. 14 mm | Distance shank chamfer - centre rod end eye |
| w | 14 mm | Size wrench |
| r ₁ | min. 0.3 mm | Chamfer dimension bore |

Calculation data

| | | |
|------------------------------|-------|-----------------------|
| Basic dynamic load rating | C | 8.65 kN |
| Basic static load rating | C_0 | 19 kN |
| Specific dynamic load factor | K | 100 N/mm ² |
| Material constant | K_M | 1 400 |

Mass

| | | |
|--------------|--|----------|
| Mass rod end | | 0.065 kg |
|--------------|--|----------|

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