

SAA 50 TXE-2LSRod 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 | 50 mm |
| Outside diameter, housing eye | 114 mm |
| Width, bearing inner ring | 35 mm |
| Thread designation | M 45x3 |
| Width, housing eye | 31 mm |
| Centre height, housing (from end of shank) | 185 mm |
| Housing length, total | 244 mm |

Performance

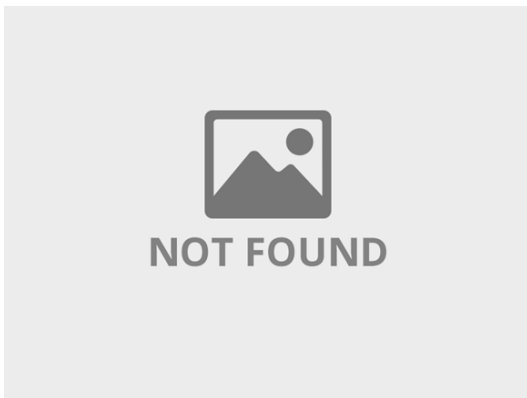
| | |
|---------------------------|--------|
| Basic dynamic load rating | 440 kN |
| Basic static load rating | 245 kN |

Properties

| | |
|-------------------------------------|------------------------|
| Sliding contact surface combination | Steel/PTFE fabric |
| Material, housing | Steel |
| Material, inner ring | Bearing steel |
| Material, outer ring | Bearing steel |
| Maintenance | Maintenance-free |
| Attachment feature, rod end shank | Right-hand male thread |
| Sealing | Seal on both sides |
| Sealing type | Triple-lip |

Technical Specification

| | |
|-------------------------------------|------------------------|
| Maintenance | Maintenance-free |
| Sliding contact surface combination | Steel/PTFE fabric |
| Material, inner ring | Bearing steel |
| Material, outer ring | Bearing steel |
| Sealing | Seal on both sides |
| Sealing type | Triple-lip |
| Attachment feature, rod end shank | Right-hand male thread |



Dimensions

| | | |
|----------------|-------------|---|
| d | 50 mm | Bore diameter |
| d ₂ | max. 114 mm | Diameter head |
| B | 35 mm | Width inner ring |
| G | M 45x3 | Thread |
| C ₁ | max. 31 mm | Width head |
| h | 185 mm | Height shank end face - centre rod end eye |
| α | 6 ° | Angle of tilt |
| d _k | 66 mm | Raceway diameter inner ring |
| l ₁ | min. 104 mm | Length thread |
| l ₂ | max. 244 mm | Length (height) housing |
| l ₇ | min. 58 mm | Distance shank chamfer - centre rod end eye |
| r ₁ | min. 0.6 mm | Chamfer dimension bore |

Calculation data

| | | |
|------------------------------|----------------|-----------------------|
| Basic dynamic load rating | C | 440 kN |
| Basic static load rating | C ₀ | 245 kN |
| Specific dynamic load factor | K | 300 N/mm ² |

Mass

| | | |
|--------------|--|--------|
| Mass rod end | | 3.3 kg |
|--------------|--|--------|

Terms and conditions

By accessing and using this website / app owned and published by AB SKF (publ.) (556007-3495 · Gothenburg) ("SKF"), you agree to the following terms and conditions:

Warranty Disclaimer and Limitation of Liability

Although every care has been taken to assure the accuracy of the information on this website / app, SKF provides this information "AS IS" and DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. You acknowledge that your use of this website / app is at your sole risk, that you assume full responsibility for all costs associated with use of this website / app, and that SKF shall not be liable for any direct, incidental, consequential, or indirect damages of any kind arising out of your access to, or use of the information or software made available on this website / app. Any warranties and representations in this website / app for SKF products or services that you purchase or use will be subject to the agreed upon terms and conditions in the contract for such product or service. Further, for non-SKF websites / apps that are referenced in our website / app or where a hyperlink appears, SKF makes no warranties concerning the accuracy or reliability of the information in these websites / apps and assumes no responsibility for material created or published by third parties contained therein. In addition, SKF does not warrant that this website / app or these other linked websites / apps are free from viruses or other harmful elements.

Third Party Services

When viewing YouTube content via the SKF website(s) (i.e. using YouTube API Services), you agree to be bound by the YouTube Terms of Service.

Copyright

Copyright in this website / app copyright of the information and software made available on this website / app rest with SKF or its licensors. All rights are reserved. All licensed material will reference the licensor that has granted SKF the right to use the material. The information and software made available on this website / app may not be reproduced, duplicated, copied, transferred, distributed, stored, modified, downloaded or otherwise exploited for any commercial use without the prior written approval of SKF. However, it may be reproduced, stored and downloaded for use by individuals without prior written approval of SKF. Under no circumstances may this information or software be supplied to third parties.

This website /app includes certain images used under license from Shutterstock, Inc.

Trademarks and Patents

All trademarks, brand names, and corporate logos displayed on the website / app are the property of SKF or its licensors, and may not be used in any way without prior written approval by SKF. All licensed trademarks published on this website / app reference the licensor that has granted SKF the right to use the trademark. Access to this website / app does not grant to the user any license under any patents owned by or licensed to SKF.

Changes

SKF reserves the right to make changes or additions to this website / app at any time.