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SKF 19737

SKF 19737 LDS & Small Bore Seal Instruction Manual

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your SKF 19737 LDS & Small Bore Seal. Designed for demanding applications, this seal is engineered to effectively retain lubricants and exclude contaminants, ensuring reliable performance in various operating conditions.



A close-up view of the SKF 19737 LDS & Small Bore Seal, showing its green outer ring and black inner lip, designed for sealing applications.

INSTALLATION GUIDELINES

Proper installation is crucial for the longevity and performance of the SKF 19737 seal. Follow these guidelines carefully:

- **Preparation:** Ensure the shaft and bore surfaces are clean, free from burrs, scratches, and foreign particles. Any surface imperfections can compromise seal integrity.
- **Lubrication:** Lightly lubricate the seal lips and the shaft with the system's operating fluid or a compatible lubricant before installation. This reduces friction during assembly and prevents initial dry running.
- **Tools:** Use appropriate installation tools to prevent damage to the seal. Avoid using sharp objects or excessive force that could deform the seal.
- **Alignment:** Carefully align the seal with the bore and shaft. Press the seal squarely into its housing. Uneven pressure can lead to distortion and premature failure.
- **Inspection:** After installation, visually inspect the seal to ensure it is seated correctly and that the lip is not inverted or damaged.

OPERATING PRINCIPLES

The SKF 19737 LDS & Small Bore Seal is engineered to create a dynamic barrier between two environments, typically to prevent fluid leakage and block the ingress of external contaminants. Its design, featuring an R Lip Code and HM14 Style, is optimized for reliable performance under various operating conditions, including those with superior fluid and temperature compatibility. The seal's primary function is to maintain lubrication within the system while protecting internal components from dirt, dust, and moisture.

MAINTENANCE AND INSPECTION

Regular inspection and timely maintenance are vital for maximizing the service life of your SKF seal.

- **Visual Inspection:** Periodically check the seal area for any signs of leakage, cracking, hardening, or excessive wear on the seal lip. The frequency of inspection depends on the application's operating conditions and environment.
- **Performance Monitoring:** Monitor the system for any changes in fluid levels or unusual noise, which could indicate seal degradation.
- **Replacement:** Seals are wear components. Replace the seal if any signs of damage, leakage, or significant wear are observed. Always replace with an identical SKF 19737 seal to ensure compatibility and performance.

TROUBLESHOOTING COMMON ISSUES

If issues arise with your SKF 19737 seal, consider the following common problems and their potential causes:

- **Leakage:**
 - Improper installation (e.g., seal not seated squarely, damaged during installation).
 - Shaft or bore surface damage (scratches, burrs).
 - Incorrect seal size or material for the application.
 - Excessive pressure or temperature beyond the seal's rating.
 - Seal wear due to age or abrasive contaminants.
- **Premature Wear:**
 - Lack of lubrication or incompatible lubricant.
 - Excessive shaft runout or misalignment.

- Presence of abrasive contaminants.
- Operating temperatures exceeding the seal's material limits.
- Improper shaft surface finish.
- **Seal Extrusion:**
 - Excessive pressure causing the seal material to be forced out of the gland.
 - Too large a clearance between the shaft and bore.

PRODUCT SPECIFICATIONS

Specification	Detail
Model Number	19737
Material	Rubber
Shaft Diameter	2 Inches
Bore Diameter	2.371 Inches
Width	0.25 Inches
Lip Code	R
Style	HM14
UPC	085311022033
Item Weight	0.592 ounces

WARRANTY INFORMATION

For detailed warranty information regarding your SKF 19737 LDS & Small Bore Seal, please refer to the official SKF website or contact your authorized SKF distributor or the original seller. Warranty terms and conditions may vary based on region and purchase location.

SUPPORT AND CONTACT

Should you require further assistance, technical support, or have questions regarding the SKF 19737 LDS & Small Bore Seal, please visit the official SKF website or contact SKF customer service. You can also find more information at the [SKF Store on Amazon](#).