

## SKF SKF Seal 24898 For GMC Chevrolet Dodge Jeep Plymouth

# SKF Seal 24898 Instruction Manual

Model: SKF Seal 24898

## INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your SKF Seal 24898. The SKF Seal 24898 is a high-quality aftermarket replacement rotary shaft seal designed to effectively retain lubricants and exclude contaminants in various automotive applications.

It features a dual-lip design with a spring, constructed from durable Nitrile Rubber, ensuring reliable performance under extreme operating conditions and superior fluid and temperature compatibility.

Please read this manual thoroughly before installation and operation to ensure optimal performance and longevity of the seal.

## PRODUCT OVERVIEW



Figure 1: Top view of the SKF Seal 24898. This image highlights the seal's overall circular form and the distinct black and green material composition.



Figure 2: Angled view of the SKF Seal 24898. This perspective provides a closer look at the internal spring mechanism and the dual-lip structure, crucial for its sealing function.

### Key Features:

- Keeps Lubricants in and Contaminants Out
- Optimized Compounds Perform Reliably In Extreme Operating Conditions
- Superior Fluid And Temperature Compatibility
- Excellent Contamination Exclusion

### SETUP AND INSTALLATION

Proper installation is critical for the effective performance and longevity of the SKF Seal 24898. Always refer to the vehicle manufacturer's service manual for specific instructions related to your application.

#### General Installation Guidelines:

1. **Preparation:** Ensure the shaft and bore surfaces are clean, smooth, and free from burrs, nicks, or corrosion. Any surface imperfections can compromise the seal's integrity.
2. **Lubrication:** Lightly lubricate the seal lips and the shaft with the same lubricant that the seal is intended to retain. This aids in smooth installation and prevents initial dry running.
3. **Installation Tool:** Use a proper seal installation tool or a suitable sleeve to press the seal squarely into the bore. Avoid using hammers directly on the seal, as this can deform it or damage the sealing lips.
4. **Alignment:** Ensure the seal is installed straight and to the correct depth in the bore. Misalignment can lead to premature wear and leakage.
5. **Shaft Entry:** When sliding the seal over the shaft, be careful not to damage the sealing lips on sharp edges or splines. Protective sleeves or tape can be used if necessary.
6. **Final Check:** After installation, visually inspect the seal to ensure it is seated correctly and the lips are not inverted or damaged.

### OPERATING PRINCIPLES

The SKF Seal 24898 functions as a rotary shaft seal, designed to create a barrier between two environments, typically to retain lubricating oil or grease within a system while preventing the ingress of external contaminants like dirt, dust, and moisture.

Its dual-lip design provides enhanced sealing capability, with one lip primarily for fluid retention and the other for contaminant exclusion. The integrated spring applies a consistent radial force to the sealing lip, maintaining contact with the rotating shaft and ensuring effective sealing throughout its operational life.

The Nitrile Rubber material is selected for its excellent resistance to petroleum-based oils and greases, as

well as its ability to perform reliably across a wide range of temperatures common in automotive applications.

## MAINTENANCE

SKF seals are designed for long-term, maintenance-free operation under normal conditions. However, periodic inspection of the sealed area can help identify potential issues before they lead to significant problems.

### Inspection Guidelines:

- **Visual Check:** Periodically inspect the area around the seal for any signs of lubricant leakage or excessive dirt accumulation.
- **Noise:** Listen for any unusual noises coming from the sealed component, which could indicate a failing seal or bearing.
- **Temperature:** Check for any abnormal heat generation around the seal, which might suggest excessive friction or improper installation.

If any signs of leakage or seal degradation are observed, the seal should be replaced promptly to prevent damage to other components.

## TROUBLESHOOTING

Most issues with rotary shaft seals are related to improper installation or extreme operating conditions. Here are some common problems and their potential causes:

Problem	Possible Cause(s)	Solution
Lubricant Leakage	<ul style="list-style-type: none"><li>◦ Improper installation (e.g., seal not square in bore, damaged lip)</li><li>◦ Worn or hardened seal lip</li><li>◦ Damaged shaft surface (e.g., scratches, grooves)</li><li>◦ Excessive shaft runout or misalignment</li><li>◦ Incorrect lubricant type or level</li><li>◦ Excessive pressure or temperature</li></ul>	<ul style="list-style-type: none"><li>◦ Reinstall seal correctly, ensuring no damage</li><li>◦ Replace seal</li><li>◦ Repair or replace shaft</li><li>◦ Correct alignment issues</li><li>◦ Use recommended lubricant</li><li>◦ Address system pressure/temperature issues</li></ul>
Premature Seal Wear	<ul style="list-style-type: none"><li>◦ Lack of lubrication</li><li>◦ Abrasive contaminants entering the seal</li><li>◦ Excessive shaft speed or temperature</li><li>◦ Improper seal material for application</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure adequate lubrication</li><li>◦ Improve contamination exclusion (e.g., add external dust lip)</li><li>◦ Verify operating conditions are within seal limits</li><li>◦ Select appropriate seal material</li></ul>

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified mechanic or contact SKF technical support.

## SPECIFICATIONS

Attribute	Value
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Attribute	Value
Model Number	24898
Brand	SKF
Material	Nitrile Rubber
Design Code	CRWA1
Shaft Diameter	2-1/2 In
Width	3/8 In
Bore Diameter	3-1/4 In
Product Dimensions	3.63 x 3.63 x 0.63 inches
Item Weight	0.8 ounces
Color	Black
UPC	085311026826
Manufacturer Part Number	24898

### WARRANTY INFORMATION

Specific warranty details for the SKF Seal 24898 are typically provided by the manufacturer, SKF, or the authorized reseller at the time of purchase. Please refer to the documentation included with your product or visit the official SKF website for the most current and comprehensive warranty policy.

Generally, SKF products are manufactured to high standards and are warranted against defects in material and workmanship under normal use and service. Any claims under warranty should be directed to the point of purchase or SKF customer service with proof of purchase.






### SUPPORT AND CONTACT

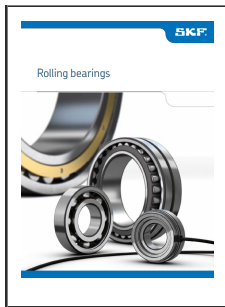
For technical assistance, product inquiries, or support regarding your SKF Seal 24898, please contact SKF directly through their official channels.

- **Official Website:** Visit the SKF official website for product information, technical data sheets, and contact details.
- **Customer Service:** Refer to the packaging or the SKF website for customer service phone numbers or email contacts in your region.
- **Authorized Distributors:** Your local authorized SKF distributor can also provide support and genuine replacement parts.

When contacting support, please have your product model number (24898) and any relevant purchase information ready.

Related Documents - SKF Seal 24898 For GMC Chevrolet Dodge Jeep Plymouth

 <p>Изделия SKF для технического обслуживания и смазочные материалы</p> <p>Увеличенный ресурс подшипника</p>	<p><a href="#">SKF Изделия для Технического Обслуживания и Смазочные Материалы</a></p> <p>Каталог SKF, посвященный изделиям и материалам для технического обслуживания подшипников. Охватывает монтаж, демонтаж, смазывание, выверку и мониторинг состояния для продления срока службы подшипников.</p>
 <p>SKF TKBA 40</p> <p>Instructions for use Mode d'emploi Bedienungsanleitung Instrucciones de uso</p> <p>Manuale d'istruzioni Instruções de uso 說明書 Инструкция по эксплуатации</p>	<p><a href="#">SKF TKBA 40 Belt Alignment Tool User Manual</a></p> <p>This user manual provides comprehensive instructions for operating the SKF TKBA 40 Belt Alignment Tool, detailing its technical specifications, application range, troubleshooting, and maintenance procedures.</p>
 <p>Прибор SKF TKSA 51 для выверки валов</p> <p>Инструкция по эксплуатации</p>	<p><a href="#">SKF TKSA 51 Shaft Alignment Tool - User Manual and Specifications</a></p> <p>Comprehensive user manual for the SKF TKSA 51 shaft alignment tool, detailing its features, technical specifications, setup, operation, and maintenance. Learn how to perform precise shaft alignments for industrial machinery.</p>
 <p>SKF Dynamic Motor Analyzer EXP4000</p>	<p><a href="#">SKF Dynamic Motor Analyzer EXP4000 User Manual</a></p> <p>User manual for the SKF Dynamic Motor Analyzer EXP4000, detailing its features, intended use, software license agreement, and support information.</p>
 <p>SKF Automatic Lubricators Automatic lubrication system (LAGD, TLSD, TLMR, TLMP)</p>	<p><a href="#">SKF Automatic Lubricators: LAGD, TLSD, TLMR, TLMP Series - Product Guide</a></p> <p>Comprehensive guide to SKF Automatic Lubricators, including LAGD, TLSD, TLMR, and TLMP series. Learn about features, benefits, applications, technical specifications, and accessories for improved safety, reliability, and maintenance.</p>



### [SKF Rolling Bearings Catalog: Selection Guide and Technical Data](#)

Comprehensive catalog from SKF detailing rolling bearings for industrial applications. Covers bearing selection processes, types, technical specifications, and performance data to help engineers and designers choose the optimal bearing solution.