Stanley 6-97-187

STANLEY 6-97-187 Single Head Suction Lifter Instruction Manual

Model: 6-97-187 | Brand: Stanley

1. Product Overview

The STANLEY 6-97-187 Single Head Suction Lifter is a professional tool designed for safely lifting and transporting heavy, smooth-surfaced materials. Its robust construction and high lifting capacity make it suitable for various industrial and construction applications.

- **High Performance:** Equipped with a 200mm diameter suction cup, offering a lifting capacity of up to 120 kg for effortless handling of heavy loads.
- **Durability:** Features a metal body and handle, ensuring high resistance to impacts and corrosion, and extended product lifespan.
- **Flexibility:** The 100% rubber suction disc includes three sealing lips for enhanced flexibility and optimal sealing on various smooth surfaces.
- **Safety:** A red safety indicator ring provides continuous visual confirmation of the vacuum's integrity, ensuring secure operation.
- **Comfort:** The metal handle is coated with a non-slip material, providing a firm and comfortable grip for easy and secure handling.
- **Portability:** Compact dimensions and a lightweight design, along with an included carrying case, simplify storage and transport.



Image 1.1: The STANLEY 6-97-187 Single Head Suction Lifter, showcasing its robust design and yellow finish.

2. Safety Information

Read and understand all safety instructions before using the suction lifter. Failure to follow these instructions may result in injury or damage to the product or materials.

- **Inspection:** Always inspect the suction cup and all components for damage, wear, or debris before each use. Do not use if any part is damaged.
- **Surface Preparation:** Ensure the surface of the material to be lifted is clean, dry, smooth, and non-porous. Dust, dirt, moisture, or texture can compromise suction.
- **Weight Limit:** Do not exceed the maximum lifting capacity of 120 kg. Overloading can lead to loss of suction and material drop.
- **Vacuum Monitoring:** Continuously monitor the red safety indicator ring during operation. If the red ring becomes visible, the vacuum pressure is decreasing, and the material should be gently lowered immediately. Re-pump the plunger to restore full vacuum.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, such as safety gloves and eye protection, when handling heavy materials.
- **Stable Environment:** Use the suction lifter in a stable and well-lit environment. Avoid using it on unstable platforms or in windy conditions.
- **Pinch Points:** Keep hands and fingers clear of moving parts and potential pinch points during operation.
- **Storage:** Store the suction lifter in its protective case in a clean, dry place, away from direct sunlight and extreme temperatures, to prevent degradation of the rubber components.

3. Package Contents

Verify that all items are present and in good condition upon unpacking.

- 1 x STANLEY 6-97-187 Single Head Suction Lifter

- 1 x Carrying Case



Image 3.1: The included carrying case for the suction lifter, designed for protection and portability.

4. Setup

Before first use, ensure the suction lifter is properly prepared.

1. Unpack the suction lifter from its carrying case.
2. Inspect the rubber suction cup for any dust, dirt, or damage. Clean the surface of the rubber cup with a clean, damp cloth if necessary. Ensure it is completely dry before use.
3. Prepare the material to be lifted: Ensure its surface is clean, dry, smooth, and free of any oils, grease, or debris that could prevent a proper seal.

5. Operating Instructions

Follow these steps for safe and effective operation of your STANLEY suction lifter.

1. **Positioning:** Place the suction cup firmly onto the clean, smooth, non-porous surface of the material you intend to lift. Ensure the entire rubber disc makes full contact with the surface.
2. **Activating Suction:** Press the pump plunger repeatedly until the red safety indicator ring is no longer visible. This indicates that a secure vacuum has been established. The number of pumps required may vary depending on the surface and ambient conditions.



Image 5.1: Close-up view of the pump plunger and the red safety indicator ring. The ring should not be visible when full vacuum is achieved.

3. **Lifting and Transporting:** Once the red ring is no longer visible, carefully lift and move the material. Maintain a firm and balanced grip on the handle.



Image 5.2: The suction lifter securely attached to a glass panel, demonstrating its application for lifting.

4. **Monitoring During Use:** Periodically check the safety indicator ring during transport. If the red ring begins to reappear, gently lower the material to a safe position and re-pump the plunger until the ring disappears again. Do not continue lifting if the red ring is visible.
5. **Releasing Suction:** To release the material, ensure it is safely supported on a stable surface. Then, press the release lever located near the handle base. This will break the vacuum seal, allowing the lifter to be removed.



Image 5.3: Detail of the release lever, used to disengage the vacuum seal.

6. Maintenance

Proper maintenance ensures the longevity and reliable performance of your suction lifter.

- **Cleaning:** After each use, clean the rubber suction cup and the surface of the lifter with a clean, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the rubber and metal components. Ensure all parts are dry before storage.
- **Inspection:** Regularly inspect the rubber suction cup for any signs of cracks, tears, or excessive wear. Also, check the pump mechanism for smooth operation.
- **Storage:** Store the suction lifter in its original carrying case in a cool, dry place, away from direct sunlight, extreme temperatures, and sharp objects. This protects the rubber from degradation and prevents accidental damage.
- **Replacement Parts:** If the rubber suction cup or any other critical component shows significant wear or damage, contact Stanley customer support for genuine replacement parts.

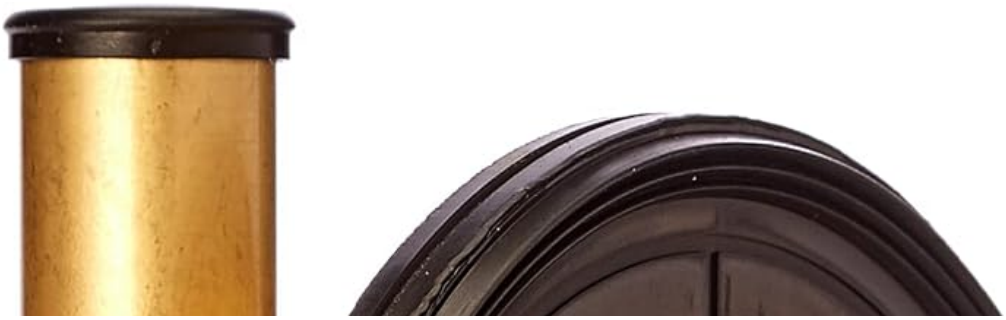




Image 6.1: Underside view of the suction cup, highlighting the three sealing lips that ensure a tight vacuum seal.

7. Troubleshooting

If you encounter issues with your suction lifter, refer to the following common problems and solutions.

- **Problem: Suction does not hold, or the red indicator ring remains visible after pumping.**
  Solution:
  - Ensure the surface of the material is perfectly clean, dry, smooth, and non-porous. Any dust, moisture, or texture will prevent a proper seal.
  - Inspect the rubber suction cup for any damage, cracks, or debris. Clean the cup thoroughly.
  - Ensure the suction cup is placed flat against the surface, with no air gaps around the edges.
  - Pump the plunger firmly and repeatedly until the red ring completely disappears.
- **Problem: Difficulty releasing suction.**
  Solution:
  - Ensure the material is fully supported on a stable surface before attempting to release the suction.
  - Press the release lever firmly and completely to break the vacuum seal.

8. Specifications

Model Number	6-97-187
Brand	Stanley
Suction Cup Diameter	200 mm
Maximum Lifting Capacity	120 kg
Material	Metal (body/handle), 100% Rubber (suction cup)
Product Dimensions (L x W x H)	34.5 x 20 x 10 cm
Item Weight	2.04 kg
Operation Mode	Manual

9. Warranty and Support

For detailed warranty information, customer service, or to purchase replacement parts, please refer to the documentation included with your product or visit the official Stanley website. Keep your proof of purchase for warranty claims.

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