

## VEVOR 50FT x 1/2Inch Sewer Snake Machine

# VEVOR 50FT x 1/2 Inch Electric Drain Auger with Wheels User Manual

Model: 50FT x 1/2Inch Sewer Snake Machine

Brand: VEVOR

## 1. INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your VEVOR 50FT x 1/2 Inch Electric Drain Auger with Wheels. Please read this manual thoroughly before use to ensure proper function and to prevent injury or damage. This machine is designed for clearing blockages in 1-inch to 4-inch pipes.

## 2. SAFETY INSTRUCTIONS

**WARNING: Failure to follow these safety instructions may result in electric shock, fire, and/or serious injury.**

- **Personal Protective Equipment:** Always wear appropriate personal protective equipment, including heavy-duty gloves, eye protection (safety goggles), and long sleeves/pants to protect against rotating cable and splashing debris.
- **Electrical Safety:** Ensure the power outlet is properly grounded. Do not operate the machine in wet conditions or near standing water. The built-in GFCI (Ground Fault Circuit Interrupter) provides protection against electric shocks; regularly test the GFCI before use. Never bypass or disable safety features.
- **Secure Work Area:** Keep the work area clean and well-lit. Keep bystanders, children, and pets away from the operating machine.
- **Cable Handling:** Never grasp the rotating cable with bare hands. Always use the provided or recommended gloves. Be aware that the cable can twist, kink, or break if improperly handled or forced.
- **Machine Stability:** Ensure the machine is placed on a stable, level surface before operation. The wheels are for transport; the machine should be stationary during use.
- **Power Disconnection:** Disconnect the power supply before performing any maintenance, changing cutters, or if the machine is not in use.

- **Intended Use:** Use this machine only for its intended purpose of clearing drain blockages. Do not modify the machine or use it for purposes other than those specified.

### 3. PRODUCT OVERVIEW

The VEVOR 50FT x 1/2 Inch Electric Drain Auger is a robust tool designed for effective drain cleaning in various pipe types. It features a durable steel core cable, an enclosed drum, and multiple interchangeable cutters.

#### Components Included:

- 1 x Drain Cleaning Machine
- 4 x Shapes of Cutters (Arrow Cutter, Spade Cutter, C-Cutter, Boring Bulb Cutter)
- 1 x Pair of Gloves (Note: Leather gloves are recommended for enhanced safety)
- 2 x Hoses (for specific applications, refer to usage instructions)

#### Key Features:

- **Rugged and Durable Cable:** Equipped with a 50 FT x 1/2 Inch steel core cable that resists rust, corrosion, and tangling, designed to navigate through twisted pipes and 90-degree bends.
- **Enclosed Large Drum:** The cable drum is enclosed to prevent cable tangling and kinking, keeping the machine clean and neat during operation.
- **Powerful Motor with Foot Control:** Features a 250W 5.3A motor with 1700 RPM speed, controlled by an air-activated foot switch for hands-free operation and enhanced safety.
- **Versatile Cutter Options:** Includes four interchangeable cutters to address various types of blockages in pipes ranging from 1 inch to 4 inches in diameter.
- **Portable Design:** Mounted on 4 wheels for easy transport and includes a portable handle and tool tray/hook for convenience.



Figure 3.1: Operator demonstrating manual feeding and directional control (CW/CCW) of the drain auger.

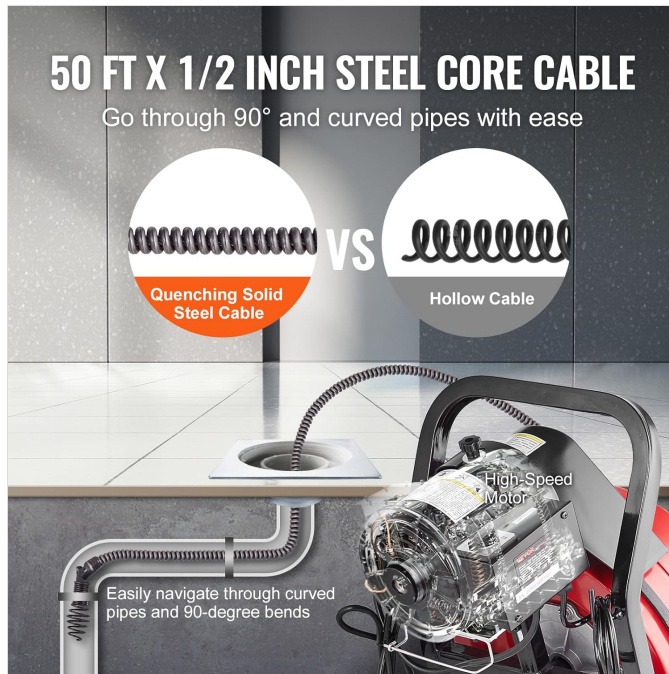


Figure 3.2: Illustration comparing the robust steel core cable with a hollow cable, highlighting its durability and flexibility for navigating pipes.



Figure 3.3: View of the enclosed large drum, designed to prevent cable tangling and maintain cleanliness during operation.



Figure 3.4: The four included cutters: Arrow Cutter, Spade Cutter, C-Cutter, and Boring Bulb Cutter, used for various blockage types.

## 4. SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Wheel Assembly:** The machine comes mostly pre-assembled. Attach the four wheels to the base frame using the provided hardware. Ensure all bolts are tightened securely for stability during transport.
3. **Initial Inspection:** Before connecting to power, visually inspect the cable for any kinks or damage. Ensure all connections are secure.
4. **Cutter Attachment:** Select the appropriate cutter for the type of blockage you anticipate. Securely attach the chosen cutter to the end of the snake cable. Ensure it is firmly locked in place to prevent detachment during operation.

## 5. OPERATING INSTRUCTIONS

Always wear heavy-duty gloves and eye protection during operation.

1. **Positioning the Machine:** Place the drain auger on a stable, level surface near the drain opening. Ensure the power cord can reach a grounded outlet without tension.
2. **Power Connection:** Plug the machine into a grounded electrical outlet. Test the GFCI by pressing the 'TEST' button, then the 'RESET' button. The GFCI should trip and then reset.
3. **Cable Feeding:** Manually feed the cable into the drain opening until it reaches the blockage or resistance. Do not force the cable.
4. **Activating the Machine:** Step on the air-activated foot switch to start the motor. The cable will begin to rotate.
5. **Clearing the Blockage:** While the cable is rotating, gently push the cable forward into the blockage. Use the CW (clockwise) or CCW (counter-clockwise) control switch on the machine to change the rotation direction as needed to attack stubborn clogs. Avoid applying excessive force, as this can kink the cable.
6. **Navigating Bends:** For curved pipes or 90-degree bends, feed the cable slowly and gently. The steel core cable is designed to navigate these, but excessive speed or force can cause issues.
7. **Retracting the Cable:** Once the blockage is cleared, release the foot switch to stop the motor. Manually

retract the cable back into the drum. Ensure the cable is clean as it retracts to prevent debris from entering the drum.

8. **Post-Operation:** Disconnect the power cord from the outlet. Clean the cable and machine as described in the Maintenance section.



Figure 5.1: The air-activated foot switch for hands-free operation and the ergonomic handle for portability.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your drain auger.

- **Cleaning the Cable:** After each use, thoroughly clean the entire length of the cable to remove any debris, grease, or sludge.
- **Drying and Oiling:** Completely dry the cable and the inside of the drum to prevent rust and corrosion. Apply a light coat of oil to the cable and cutters before storage.
- **Drum Cleaning:** The enclosed drum helps keep the machine clean, but periodically inspect and clean the interior of the drum if necessary. Place rags or towels under the drum during cleaning to catch any water or debris.
- **Cutter Inspection:** Inspect cutters for wear or damage. Replace worn or broken cutters to maintain effective cleaning performance.
- **General Inspection:** Regularly check the power cord, foot switch, and all mechanical parts for signs of wear, damage, or loose connections.
- **Storage:** Store the machine in a dry, clean area, away from moisture and extreme temperatures.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not start	No power; GFCI tripped; Foot switch malfunction	Check power connection; Reset GFCI; Inspect foot switch for damage.

Problem	Possible Cause	Solution
Cable kinks or binds	Excessive force; Cable too long for pipe diameter; Sharp bend in pipe	Reduce force; Feed cable slowly; Use appropriate cutter for pipe type; Consider using a guide pipe for vertical drops.
Machine does not stop when foot switch is released	Foot switch malfunction; Electrical issue	Immediately disconnect power from the wall outlet. Do not use the machine until inspected and repaired by a qualified technician.
Cutter gets stuck in pipe	Incorrect cutter for blockage/pipe; Cable twisted	Reverse cable rotation briefly; Gently pull back while rotating; If unsuccessful, professional assistance may be required.

## 8. SPECIFICATIONS

Specification	Detail
Item Model Number	50FT x 1/2Inch Sewer Snake Machine (D1000)
Cable Length	50 FT
Cable Diameter	1/2 Inch
Motor Power	250W
Motor Speed	1700 RPM
Pipe Diameter Compatibility	1 inch - 4 inches
Feeding Method	Manual Feeding
Product Dimensions	21.4 x 14.2 x 23.8 inches (545 x 360 x 605 mm)
Item Weight	71.2 pounds
Color	Red + Black



Figure 8.1: Detailed dimensions and specifications of the drain auger.

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please refer to the official VEVOR website or contact VEVOR customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

**Website:** [www.vevor.com](http://www.vevor.com)