

Strongway TH920003

Strongway Multidirectional Bottle Jack

20-TON CAPACITY - INSTRUCTION MANUAL

Model: TH920003

Introduction

The Strongway Heavy-Duty Bottle Jack is engineered for reliable lifting, pushing, and moving applications. Featuring a robust forged base and cylinder, this jack is designed to provide leak-free operation and exceptional strength. Its unique multi-directional capability allows for use in vertical, horizontal, and angled positions, offering versatility for various tasks. With a 20-ton (40,000 lbs) capacity and an adjustable lifting range, it provides the necessary power and flexibility for heavy-duty operations.

- Can be rotated 360° for multi-directional use in vertical, horizontal, and angled positions.
- Forged base and cylinder provide strength and eliminate leaks.
- Lifting range: 10.83 inches – 20.47 inches.
- Extension screw-top for height adjustments up to 18-5/8 inches.
- Chrome-plated cylinder rod for higher strength and corrosion resistance.
- Blackened threaded adjusting rod and cast steel handle to improve service life.

Safety Information

Always read and understand all instructions and warnings before operating this bottle jack. Failure to follow these instructions may result in serious injury or property damage.

- **Never exceed the rated capacity of 20 tons (40,000 lbs).**
- Use only on a hard, level surface. Soft or uneven surfaces can cause the jack to shift or sink.
- Ensure the load is centered on the saddle of the jack. Off-center loads can cause instability.
- Always use appropriate jack stands or other stable supports immediately after lifting a load. Never work under a load supported only by a jack.
- Keep hands and feet clear of the jack and the load during lifting and lowering operations.
- Do not modify the jack in any way. Use only genuine Strongway replacement parts.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.
- Inspect the jack before each use for any signs of damage, leaks, or wear. Do not use if damaged.

- Ensure the release valve is fully closed before attempting to lift a load.
- Lower the load slowly and in a controlled manner.

Components

The Strongway Multidirectional Bottle Jack package includes the following:

- (1) Heavy-duty bottle jack
- (1) Multi-piece handle assembly



Image: The Strongway 20-Ton Multidirectional Bottle Jack shown with its multi-piece handle assembly. The jack is blue with a black base and handle components.

Setup and Assembly

1. **Unpacking:** Carefully remove the bottle jack and all components from the packaging. Inspect for any shipping damage. If any damage is found, do not use the jack and contact customer service.
2. **Handle Assembly:** The operating handle typically comes in multiple sections. Assemble the handle by inserting the

smaller sections into the larger ones until they are securely connected. This forms the complete pump handle.

3. **Familiarization:** Locate the main components: the saddle (top of the ram), the extension screw (if applicable, for additional height adjustment), the pump handle socket, and the release valve.
4. **Purging Air (Initial Use):** Before first use, or if the jack has been stored for a long time, it may be necessary to purge air from the hydraulic system. To do this, open the release valve by turning it counter-clockwise. Pump the handle several times to circulate the hydraulic fluid and expel any trapped air. Close the release valve firmly by turning it clockwise.

Operating Instructions

Lifting a Load

1. **Prepare the Work Area:** Ensure the jack and the load are on a hard, level, and stable surface. If lifting a vehicle, engage the parking brake and chock the wheels that are not being lifted.
2. **Position the Jack:** Place the jack directly under the lifting point of the load. Ensure the saddle is centered and making full contact with the lifting point. For multi-directional use, the jack can be positioned vertically, horizontally, or at an angle, provided the load is stable and within capacity.



MULTI-DIRECTIONAL USE

360° ROTATING
DESIGN ALLOWS
FOR USE AT
EVERY ANGLE

Image: The Strongway 20-Ton Bottle Jack positioned horizontally under a vehicle's frame, demonstrating its multi-directional capability for lifting.

3. **Close Release Valve:** Insert the slotted end of the handle into the release valve and turn it clockwise until it is firmly closed. Do not overtighten.
4. **Pump the Handle:** Insert the handle into the pump handle socket. Pump the handle up and down steadily to raise the jack ram and lift the load. Continue pumping until the desired height is reached.



Image: The Strongway 20-Ton Bottle Jack actively lifting a vehicle, showcasing the jack's extension and stability during operation.

5. **Secure the Load:** Immediately after lifting, place appropriately rated jack stands or other stable supports under the load. Never rely solely on the jack to support a load.

Lowering a Load

1. **Clear the Area:** Ensure all tools, personnel, and obstructions are clear from under and around the load.
2. **Remove Supports:** If jack stands were used, slightly raise the load with the jack to relieve pressure on the stands, then carefully remove the jack stands.
3. **Open Release Valve:** Slowly and gradually turn the release valve counter-clockwise using the handle. The load will begin to descend. Control the rate of descent by adjusting how much the valve is opened.

4. **Fully Lower:** Continue to open the valve until the load is fully lowered and the jack ram is retracted. Once the load is fully supported by the ground, remove the jack.

Maintenance

Regular maintenance ensures the longevity and safe operation of your bottle jack.

- **Inspection:** Before each use, inspect the jack for any signs of damage, cracks, leaks, or loose parts. Check the hydraulic fluid level periodically.
- **Cleaning:** Keep the jack clean and free of dirt, grease, and debris. Wipe down the ram and cylinder after each use.
- **Lubrication:** Lightly lubricate moving parts, such as the pump mechanism and pivot points, with a general-purpose grease or oil.
- **Hydraulic Fluid:** Use only high-quality hydraulic jack oil. Never use brake fluid, alcohol, glycerin, detergent, or motor oil, as these can damage the seals and hydraulic system. To check/add fluid: fully retract the ram, remove the oil filler plug, and fill to the level of the filler hole. Replace the plug.
- **Storage:** Store the jack in a clean, dry place with the ram fully retracted to prevent corrosion and extend seal life.

Troubleshooting

If you encounter issues with your bottle jack, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Jack will not lift load.	Release valve open; Low hydraulic fluid; Air in system; Overload.	Close release valve; Check/add fluid; Purge air; Reduce load (do not exceed capacity).
Jack lifts slowly or erratically.	Low hydraulic fluid; Air in system; Worn seals.	Check/add fluid; Purge air; Contact customer service for seal replacement.
Jack sinks under load.	Release valve not fully closed; Internal leak; Overload.	Ensure valve is tightly closed; Contact customer service for internal repair; Reduce load (do not exceed capacity).
Oil leak.	Loose fittings; Damaged seals.	Tighten fittings; Contact customer service for seal replacement.

Specifications

Model Number	TH920003
Load Capacity	20 Ton (40,000 lbs)
Lifting Range	10.83 in. – 20.47 in.
Extension Screw Adjustment	Up to 18-5/8 in.
Item Weight	29.3 pounds
Color	Blue
UPC	840321761873

Warranty and Support

This Strongway Multidirectional Bottle Jack is backed by a **1-Year Warranty** against defects in materials and

workmanship. For warranty claims, technical support, or to order replacement parts, please contact Strongway customer service.

Please retain your purchase receipt as proof of purchase for warranty purposes.

For further assistance, visit the official Strongway website or contact their customer support department.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question