Sttoraboks IBS-004

Sttoraboks Vertical Bike Parking Stand Instruction Manual

Model: IBS-004
Brand: Sttoraboks

1. Product Overview

The Sttoraboks Vertical Bike Parking Stand is designed to provide a space-saving and stable storage solution for various types of bicycles. This freestanding stand eliminates the need for wall drilling, making it ideal for apartments, offices, or garages where wall integrity is important. Its unique design incorporates lockable casters for easy mobility and a robust 4-point stability system to securely hold your bike.



Figure 1.1: Sttoraboks Vertical Bike Parking Stand with a bicycle in vertical storage position.

Key Features:

- **Vertical Storage with Lockable Wheels:** Equipped with four 360° swivel lockable casters for smooth movement between indoor and outdoor spaces. Casters can be locked to prevent unwanted sliding and distribute weight during relocation, enhancing stability.
- **No Wall Damage & Easy Assembly:** Freestanding design requires no drilling or wall damage. Installation is quick and straightforward with provided instructions and tools.

- **Triangular Structure with 4-Point Stability:** Features a robust triangular structure with V-shaped plastic supports and Y-shaped base slots for the rear wheel. Combined with a Velcro strap and upper hook, this provides 4-point contact support, ensuring stability and preventing accidental tipping.
- **Wide Compatibility:** Supports tires up to 4 inches wide, suitable for 20-24 inch kids' bikes, 26-27 inch mountain bikes, and 650C-700C road bikes. It can hold up to 25 kg. Includes two coated hooks (standard and fat tire) adjustable for different bike lengths. Constructed from powder-coated stainless steel for durability.
- **Compact & Space-Saving:** Designed to fit perfectly in corners, ideal for apartments, bike sheds, dorms, or garages. Can be used as a floor bike stand for indoor riding or an elegant vertical solution.

2. Safety Information

Please read and understand all safety instructions before assembling and using the Sttoraboks Vertical Bike Parking Stand. Failure to follow these instructions may result in injury or damage to the product or your bicycle.

- **Weight Limit:** Do not exceed the maximum weight capacity of 25 kg (55 lbs). Overloading can compromise stability and lead to tipping.
- **Secure Placement:** Always ensure the stand is placed on a flat, level, and stable surface. Avoid sloped or uneven ground.
- **Lock Casters:** When the stand is in its desired position, always engage the locks on all four casters to prevent unintended movement.
- **Bike Securing:** Always use the provided Velcro strap to secure the front wheel to the bike frame, especially when moving the stand or if the bike will be stored for an extended period. Ensure the upper hook is properly engaged with the bike's frame.
- **Children and Pets:** Keep children and pets away from the stand, especially when a bike is mounted, to prevent accidental tipping or injury.
- **Inspection:** Regularly inspect all components for wear, damage, or loose connections. Do not use the stand if any parts are damaged.
- **Assembly:** Assemble the stand strictly according to the instructions. Ensure all bolts and fasteners are tightened securely.

3. Package Contents

Before assembly, please verify that all components listed below are present and undamaged. If any parts are missing or damaged, please contact customer service.

- Main Vertical Support Pole
- Base Frame Components
- 4 x Lockable Casters
- Upper Bike Hook (Standard)
- Upper Bike Hook (Fat Tire - if included in your package)
- Velcro Strap for Front Wheel
- Assembly Hardware (bolts, nuts, washers)
- Assembly Tools (e.g., wrench, Allen key)
- Instruction Manual

4. Assembly and Setup

The Sttoraboks Vertical Bike Parking Stand is designed for quick and easy assembly without the need for special tools or wall drilling. Please follow these steps carefully.

1. **Unpack Components:** Carefully remove all parts from the packaging and lay them out on a clean, flat surface. Refer to the "Package Contents" section to ensure all parts are present.
2. **Attach Casters to Base:** Securely screw or bolt the four lockable casters into the designated holes on the bottom of the base frame components. Ensure they are tightly fastened.
3. **Assemble Base Frame:** Connect the base frame components according to the diagrams in your specific manual. This typically involves joining horizontal and vertical sections to form the stable base.
4. **Install Vertical Support Pole:** Insert the main vertical support pole into the designated slot on the assembled base. Secure it using the provided hardware.
5. **Attach Upper Bike Hook:** Select the appropriate upper bike hook (standard or fat tire) for your bicycle. Slide the hook onto the vertical support pole at your desired height. The pole has multiple mounting holes for height adjustment. Secure the hook using the provided pin or bolt.
6. **Final Checks:** Before placing your bike, ensure all connections are tight and the stand feels stable.

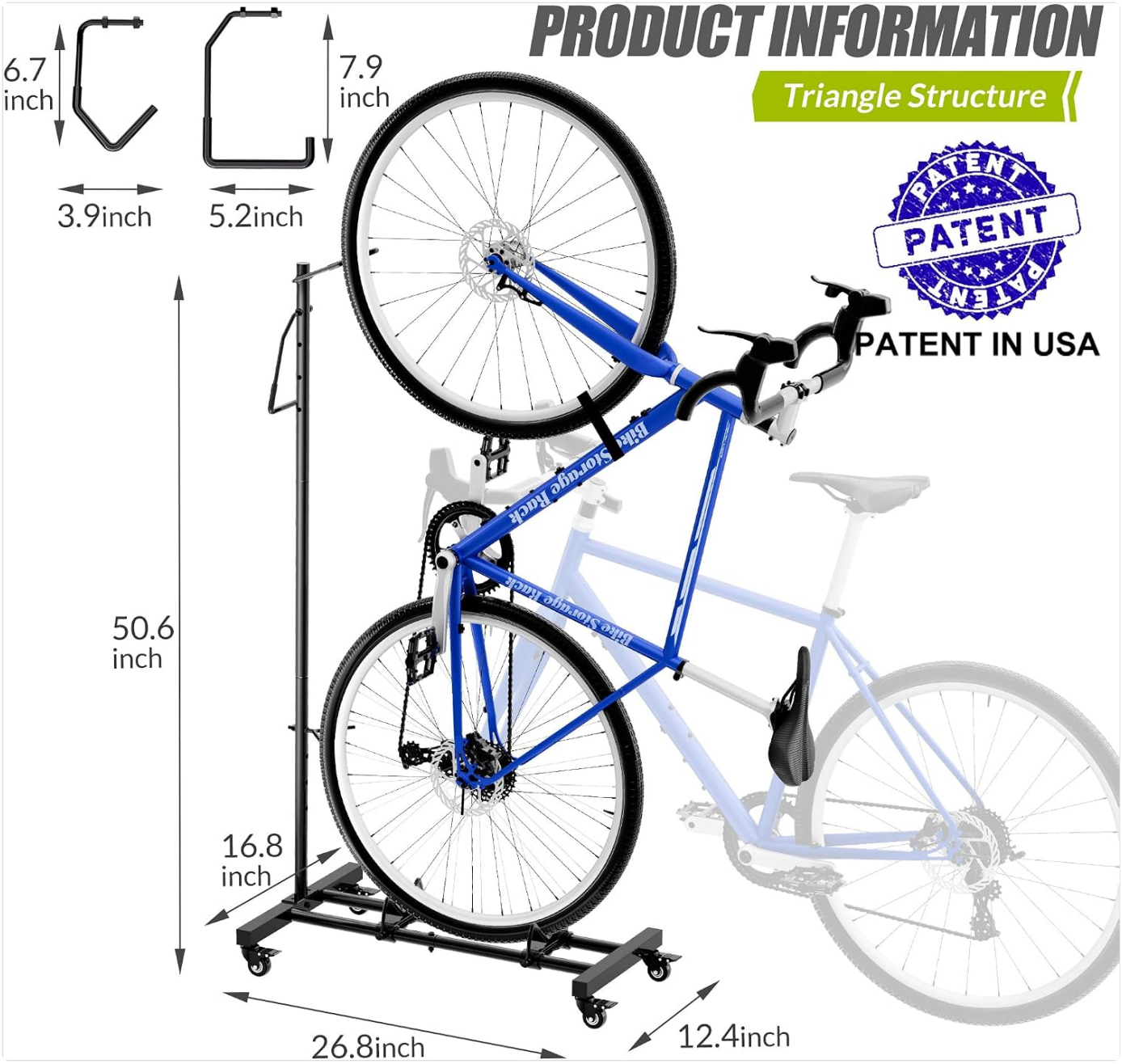


Figure 4.1: Triangular structure and height adjustment points.

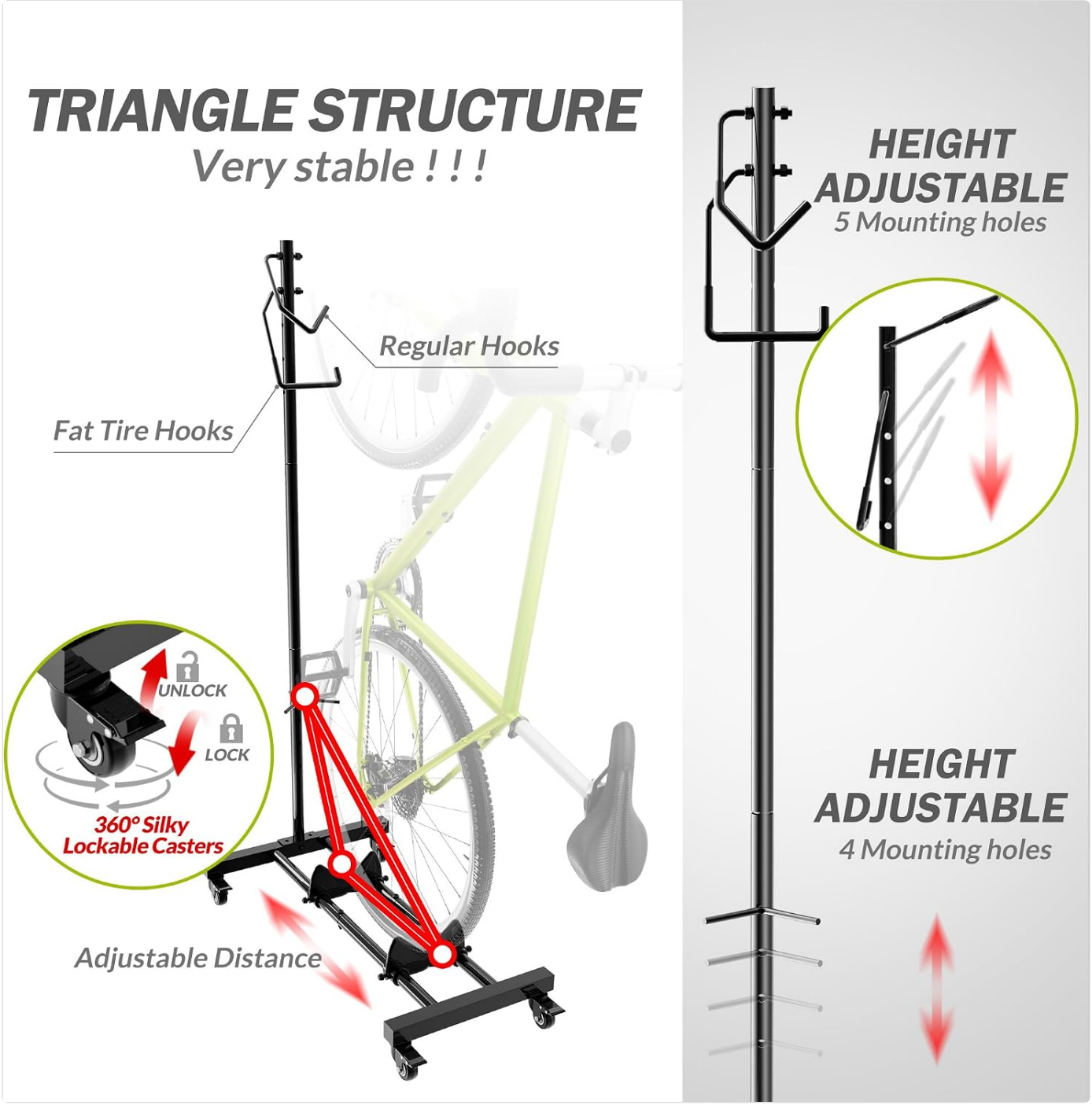


Figure 4.2: The 4-point stability system for secure bike placement.

5. Operation

Using your Sttoraboks Vertical Bike Parking Stand is simple and efficient for both storage and mobility.

1. **Positioning the Stand:** Unlock the casters and roll the stand to your desired location. Once positioned, engage the locks on all four casters to secure the stand.
2. **Mounting Your Bicycle:**
    - Ensure the upper hook is adjusted to an appropriate height for your bike's frame.
    - Lift your bicycle and guide its front wheel into the Y-shaped slot at the base of the stand.
    - Simultaneously, guide the bike's frame onto the upper hook. The bike should rest securely on both the base and the hook, forming a stable triangular structure.
    - Use the provided Velcro strap to secure the front wheel to the bike's frame, preventing it from turning and adding to overall stability.

3. **Adjusting Height and Hooks:** The vertical pole has multiple mounting holes allowing you to adjust the height of the upper hook to accommodate different bike sizes and frame geometries. Two types of hooks (standard and fat tire) are provided to ensure compatibility with various tire widths up to 4 inches.
4. **Moving the Stand with Bike:** If you need to move the stand with the bike mounted, ensure the bike is securely fastened with the Velcro strap and the upper hook. Unlock the casters and carefully roll the stand to the new location. Re-lock the casters once in place.

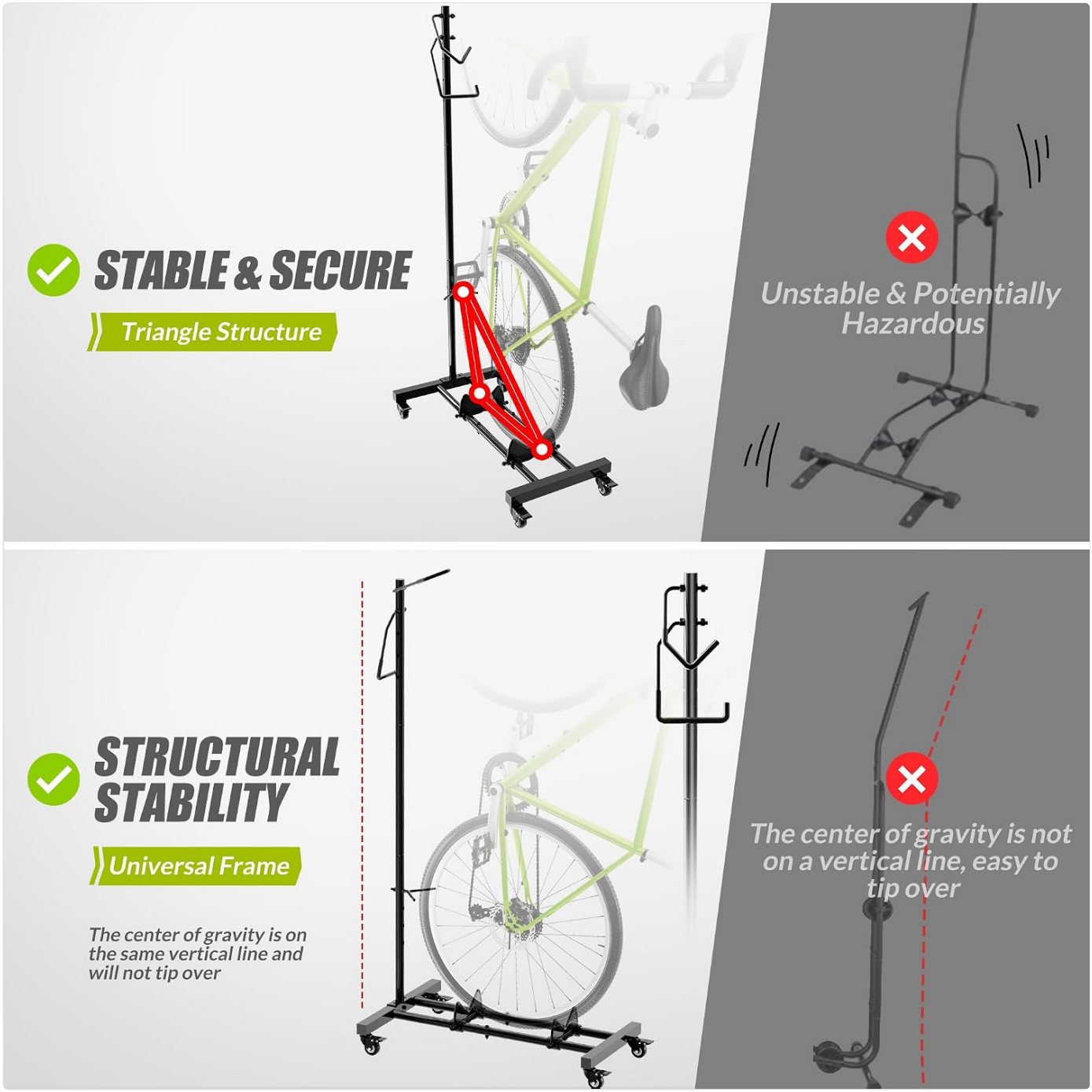


Figure 5.1: Lockable casters for easy movement and universal tire width compatibility.



Figure 5.2: Tire width and wheel size compatibility, with adjustable features.



Figure 5.3: Versatile placement and easy mobility of the stand.

6. Maintenance

Regular maintenance will ensure the longevity and continued performance of your Sttoraboks Vertical Bike Parking Stand.

- **Cleaning:** Wipe down the stand with a damp cloth to remove dust and dirt. Avoid abrasive cleaners that could damage the powder-coated finish.
- **Hardware Check:** Periodically check all bolts, nuts, and fasteners to ensure they remain tight. Re-tighten if necessary.
- **Caster Inspection:** Inspect the casters for any debris or hair that might impede their movement. Clean them as needed. Ensure the locking mechanism functions correctly.
- **Hook Condition:** Check the coated hooks for any signs of wear or damage to the protective coating. This coating helps prevent scratches to your bike frame.
- **Storage:** If storing the stand without a bike for an extended period, ensure it is clean and dry. Store in a cool, dry

place.

7. Troubleshooting

This section addresses common issues you might encounter with your bike stand.

Problem	Possible Cause	Solution
Stand feels unstable or wobbly.	◦ Not on a flat surface. ◦ Casters not locked. ◦ Bike not properly seated on hooks/base. ◦ Loose assembly hardware. ◦ Bike weight exceeds capacity.	◦ Move stand to a flat, level surface. ◦ Ensure all four casters are locked. ◦ Re-seat the bike, ensuring the front wheel is in the Y-slot and the frame is on the upper hook. Use the Velcro strap. ◦ Check and tighten all assembly bolts and nuts. ◦ Ensure bike weight is within the 25 kg limit.
Difficulty moving the stand.	◦ Casters are locked. ◦ Debris in casters.	◦ Unlock all four casters. ◦ Clean any debris (hair, dirt) from the caster wheels.
Bike slips off the upper hook.	◦ Hook height incorrect. ◦ Incorrect hook type used (e.g., standard hook for fat tire bike). ◦ Bike not properly balanced.	◦ Adjust the upper hook height to securely cradle the bike frame. ◦ Ensure you are using the correct hook for your tire width. ◦ Verify the bike's center of gravity is aligned with the stand.



Figure 7.1: Importance of the triangular structure and proper center of gravity for stability.

8. Specifications

Model Number:	IBS-004
Brand:	Sttoraboks
Color:	Black
Main Material:	Metal (Powder-coated stainless steel)
Dimensions (L x W x H):	68.1 x 42.7 x 128.5 cm (26.8 x 16.8 x 50.6 inches)
Item Weight:	4.17 kg (9.19 lbs)
Maximum Load Capacity:	25 kg (55 lbs)

Tire Width Compatibility:	Up to 4 inches
Wheel Size Compatibility:	20-24 inch (Kids' Bikes), 26-27 inch (MTB), 650C-700C (Road Bikes)
Special Features:	Portable, Lockable Casters, Adjustable Height, No-Drill Installation, 4-Point Stability System



Figure 8.1: Product dimensions and hook details.

9. Warranty and Support

Sttoraboks is committed to providing high-quality products and excellent customer service. Your Vertical Bike Parking Stand comes with a satisfaction guarantee.

For any questions, concerns, or assistance with assembly, operation, or troubleshooting, please contact Sttoraboks customer support. Please have your model number (IBS-004) ready when contacting support.

Contact information (e.g., website, email, phone number) would typically be provided here by the manufacturer.

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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

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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