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› SMARTSMITH 8FT Box Rail Sliding Barn Door Hardware Kit User Manual

SMARTSMITH BG-01-8

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Model: BG-01-8

PRODUCT OVERVIEW

The SMARTSMITH 8FT Box Rail Hardware is a heavy-duty steel sliding barn door track system designed for both indoor and exterior applications. This wall-mount kit provides a smooth and quiet operation for your barn doors, enhancing both functionality and aesthetic appeal. The system is constructed from solid steel with a fine black powder-coated surface, ensuring anti-corrosion properties and long-term durability. It is engineered to support doors weighing up to 300 lbs and is suitable for door panel thicknesses ranging from 1 1/2 inches to 2 inches.



Image: The SMARTSMITH 8FT Box Rail Hardware installed with a wooden barn door, showcasing its sleek black finish and wall-mount design.

Key features include 8.8 grade screws and roller screws for secure installation, and ball-bearing equipped rollers that provide a very quiet and smooth glide. The vertical lock nuts on the rollers are adjustable, allowing for precise fitting. This kit is designed for easy installation, providing a robust and reliable solution for your sliding door needs.

PACKAGE CONTENTS

Please verify that all components listed below are included in your package before beginning installation. If any parts are missing or damaged, please contact SMARTSMITH customer support.

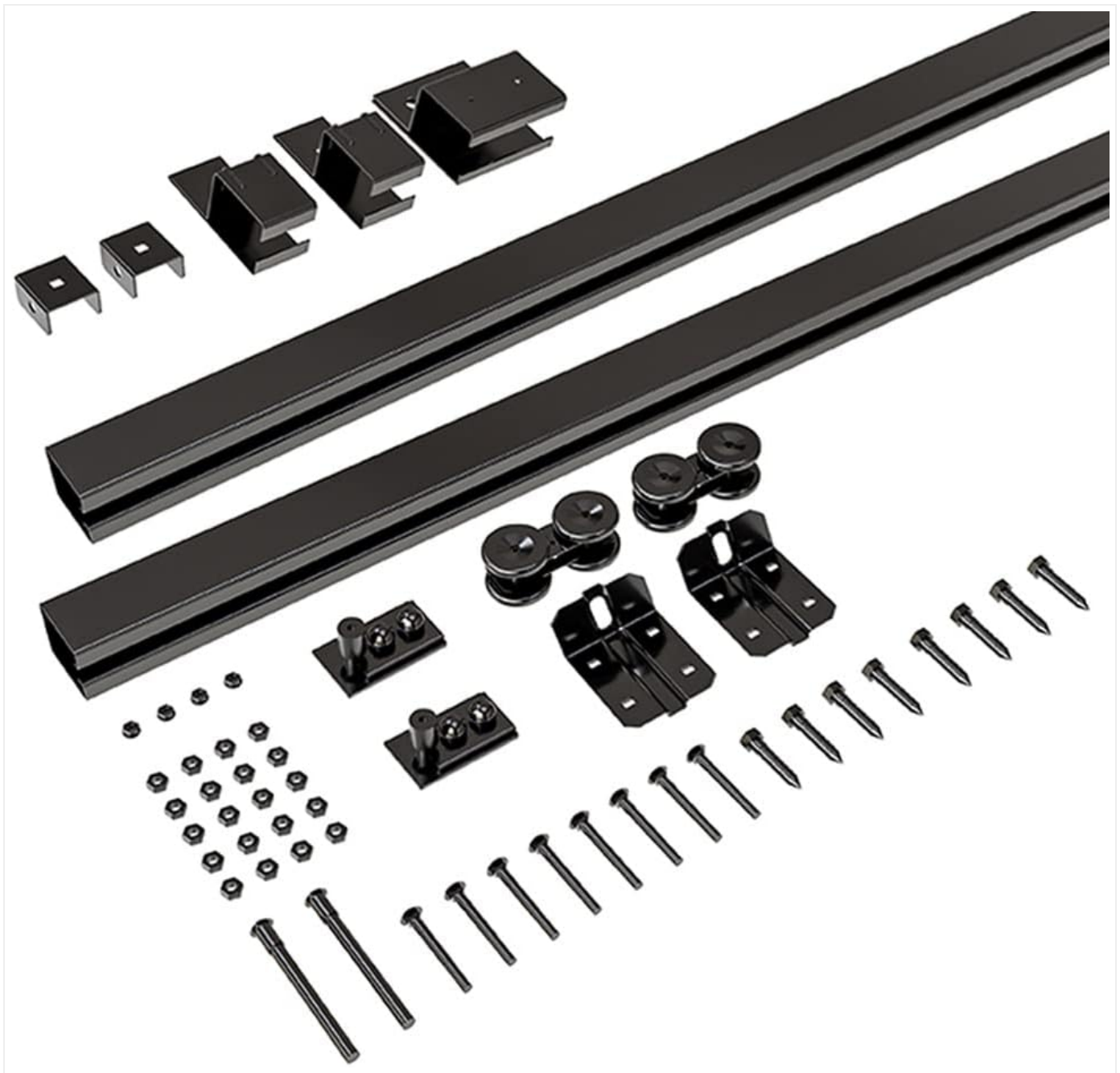


Image: All components of the 8FT Box Rail Hardware Kit, including the track, rollers, brackets, and fasteners, neatly arranged.

- 2x 4FT Box Track sections
- 1x Track Connector
- 2x Box Track Brackets
- 2x Rollers (with ball bearings)
- 2x Door Stops
- 2x End Caps
- L Guides (Floor Guides)
- All necessary mounting hardware (screws, nuts, washers)

Note: Door panel and handle are NOT included with this hardware kit.

SPECIFICATIONS

Attribute	Detail
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Attribute	Detail
Brand	SMARTSMITH
Model Number	BG-01-8
Color	Wall Mount (Black)
Material	Steel
Style	Modern
Item Weight	22 Pounds
Product Dimensions	1.5 x 96 x 84 inches (approximate, for 8FT track)
Assembly Required	Yes
Max Door Weight Capacity	300 lbs
Suitable Door Thickness	1 1/2" to 2"

SAFETY INFORMATION

Please read and understand all safety instructions before installation and use. Failure to follow these instructions may result in injury or property damage.

- **Wear Safety Gear:** Always wear appropriate personal protective equipment, including safety glasses and gloves, during installation.
- **Proper Tools:** Use only the correct tools for each step of the installation. Ensure tools are in good working condition.
- **Secure Mounting:** Ensure the mounting surface (wall) is structurally sound and capable of supporting the weight of the door and hardware. If installing on drywall, locate wall studs or use appropriate anchors.
- **Professional Assistance:** If you are unsure about any part of the installation process, consult a qualified professional.
- **Children and Pets:** Keep children and pets away from the installation area during assembly.
- **Door Weight Limit:** Do not exceed the maximum door weight capacity of 300 lbs.
- **Clearance:** Ensure adequate clearance around the door opening to prevent pinching or crushing hazards.

INSTALLATION GUIDE

Before You Begin

Before starting the installation, gather the necessary tools and prepare your door and wall. Common tools required include a tape measure, pencil, level, drill, drill bits, wrench, and screwdriver.

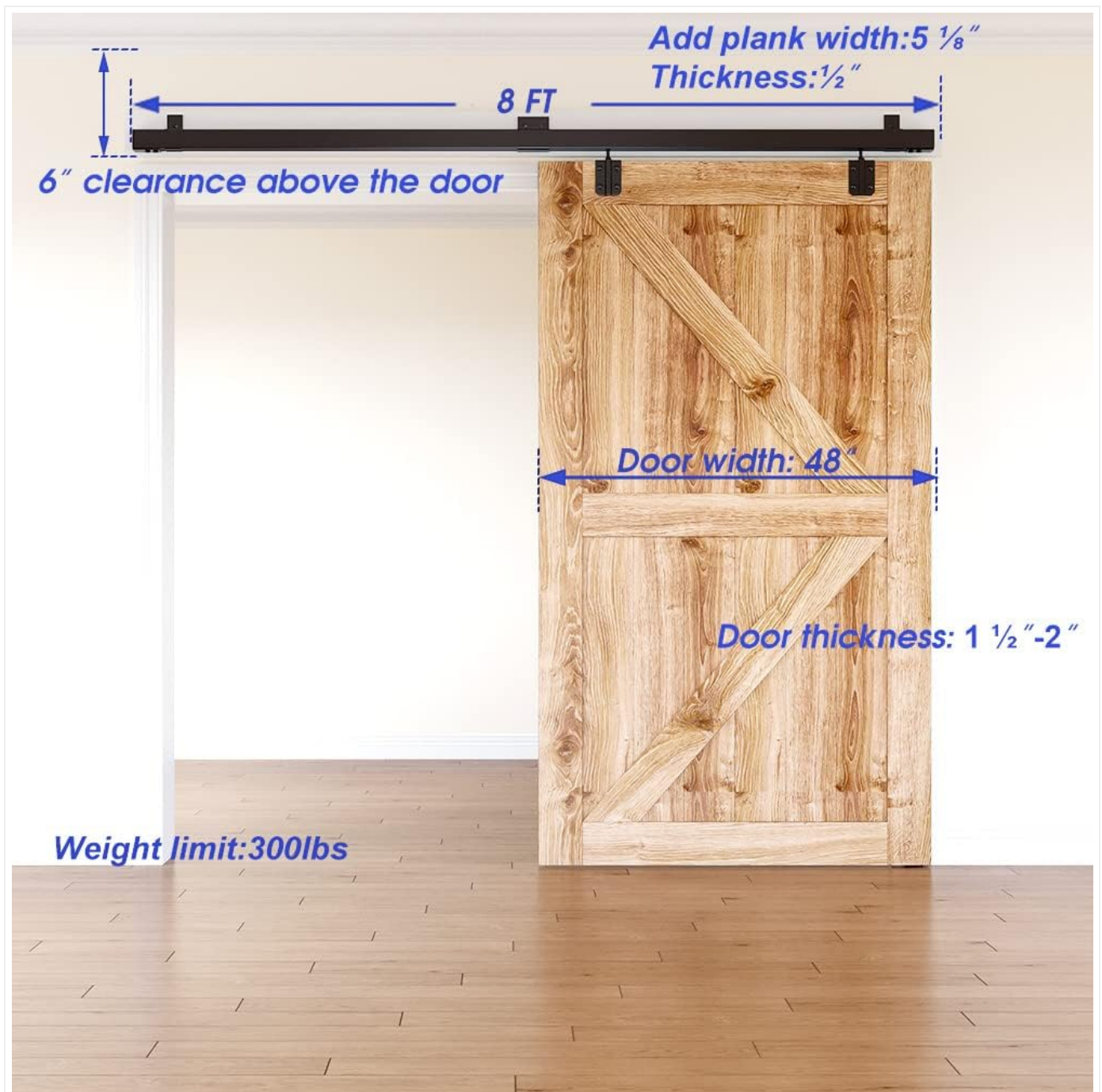


Image: A diagram illustrating key dimensions for installation, including track length (8FT), required clearance above the door (6 inches), and door specifications (48 inch width, 1 1/2 to 2 inch thickness, 300 lbs weight limit).

- **Door Preparation:** Ensure your door panel is within the specified thickness (1 1/2" to 2") and does not exceed the 300 lbs weight limit.
- **Wall Preparation:** The box track requires installation on a sturdy wood board, especially if the gap between the door and wall is small. This board should be securely mounted to wall studs.
- **Clearance:** Allow for approximately 6 inches of clearance above the door opening for track installation.

Step-by-Step Installation

Follow these general steps for installation. Refer to the detailed diagrams for specific measurements and component placement.



Image: An exploded view demonstrating how the various components of the barn door hardware, including the track, rollers, and brackets, fit together for assembly.

1. **Marking:** Measure and mark the desired height for the track on your wall, ensuring it is level. Mark the positions for the track brackets and mounting holes.
2. **Install Wood Board (if needed):** If your wall requires a backing board for proper mounting, securely attach it to the wall studs at the marked height.
3. **Assemble Track:** Connect the two 4FT track sections using the track connector.
4. **Attach Track Brackets:** Secure the box track brackets to the wall or wood board using the provided screws.
5. **Mount Track:** Carefully lift and attach the assembled track to the installed brackets. Ensure it is level and securely fastened.
6. **Install Rollers on Door:** Attach the rollers to the top edge of your door panel using the provided hardware. Ensure they are aligned and securely tightened. The vertical lock nuts on the rollers are adjustable for fine-tuning.
7. **Hang Door:** Carefully lift the door and hook the rollers onto the track.
8. **Install Door Stops:** Slide the door stops onto the track at the desired positions to prevent the door from rolling too far in either direction. Tighten them securely.
9. **Install Floor Guides:** Position the L guides (floor guides) on the floor beneath the door to prevent it from swinging out. Secure them in place.

10. **Final Adjustments:** Test the door's movement. Make any necessary adjustments to the door stops or floor guides for smooth and quiet operation.

OPERATION

The SMARTSMITH barn door hardware system is designed for effortless operation. Once installed, the door will slide smoothly along the track, guided by the ball-bearing rollers and the floor guides.

ULTIMATE SMOOTH ROLLERS

BALL BEARINGS



Image: A close-up view of the smooth ball-bearing rollers, highlighting their design for quiet and fluid door movement.

To open or close the door, simply apply gentle pressure to slide it along the track. The ball bearings within the rollers minimize friction, ensuring a quiet and smooth glide. The door stops will prevent the door from over-extending its travel range, and the floor guides will keep the bottom of the door aligned with the track.

MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your SMARTSMITH barn door hardware.

- **Cleaning:** Periodically wipe down the track and rollers with a soft, damp cloth to remove dust and debris. Avoid abrasive cleaners that could damage the finish.
- **Lubrication:** While the ball bearings are designed for smooth operation, a light application of silicone-based lubricant to the track and roller axles every 6-12 months can help maintain optimal glide, especially in high-use environments.
- **Hardware Check:** Annually inspect all screws, bolts, and fasteners to ensure they remain tight. Re-tighten any loose hardware to prevent wobbling or misalignment.
- **Roller Inspection:** Check the rollers for any signs of wear or damage. Ensure they spin freely and quietly.

TROUBLESHOOTING

If you encounter any issues with your barn door hardware, refer to the common problems and solutions below:

- **Problem:** Door is not sliding smoothly or makes noise.

Solution:

- Check the track for any obstructions (dust, debris, or paint flakes from rollers). Clean the track thoroughly.
- Apply a silicone-based lubricant to the track and roller axles.
- Inspect rollers for damage or excessive wear.
- Ensure all mounting screws are tight and the track is level.

- **Problem:** Door wobbles or swings out from the wall.

Solution:

- Verify that the floor guides are properly installed and adjusted to keep the door stable.
- Check that the track is securely mounted to the wall or wood board.

- **Problem:** Door stops are not effective.

Solution:

- Ensure the door stops are securely tightened in their desired positions on the track.

- **Problem:** Paint flaking from rollers.

Solution:

- This can occur with new rollers. Clean any flaked paint from the track to prevent obstruction. Continued use should smooth out the rollers.

WARRANTY AND SUPPORT

SMARTSMITH stands behind the quality of its products. For specific warranty information regarding your 8FT Box Rail Hardware Kit, please refer to the product packaging or contact SMARTSMITH customer support directly.

If you have any questions, require technical assistance, or need to report a missing or damaged part, please reach out to SMARTSMITH customer service. Contact information can typically be found on the product packaging or the official SMARTSMITH website.

