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> VEVOR HR-03-29-2 Wall-Mounted Handrail Instruction Manual

## VEVOR HR-03-29-2

# VEVOR HR-03-29-2 Wall-Mounted Handrail Instruction Manual

Model: HR-03-29-2 | Brand: VEVOR

## 1. INTRODUCTION

Thank you for choosing the VEVOR HR-03-29-2 Wall-Mounted Handrail. This manual provides essential information for the safe installation, operation, and maintenance of your handrail. Please read it thoroughly before installation and retain it for future reference.

This U-shaped handrail is designed for enhanced safety and support on 1 to 3 steps. Constructed from high-quality carbon steel with a matte black finish, it offers durability, wear resistance, and rust protection, making it suitable for both indoor and outdoor environments. Each handrail has a maximum load capacity of 240 kg (530 lbs).



Image 1.1: The VEVOR HR-03-29-2 handrail installed on a porch, showcasing its robust carbon steel construction and matte black finish, designed for durability and rust resistance.

## 2. SAFETY INSTRUCTIONS

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- Always read and understand all instructions before installation and use.
- Ensure the handrail is securely mounted to a structurally sound wall or post capable of supporting the maximum load capacity.
- Do not exceed the maximum load capacity of 240 kg (530 lbs).
- Regularly inspect the handrail and all mounting hardware for any signs of wear, damage, or looseness. Tighten fasteners as needed.
- Keep children away from the installation area during setup.
- Use appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation.
- If you are unsure about any part of the installation process, consult a qualified professional.

## 3. PACKAGE CONTENTS

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Verify that all components are present and undamaged before beginning installation.

1. 2 x Handrails (U-shape, 29-inch)
2. 4 x M10 x 20 Hex Socket Semi-Countersunk Screws (with screw head)
3. 12 x M6 x 40 Black Cross Semi-Countersunk Self-Tapping Screws
4. 12 x 8 x 38 Iron Expansion Tubes
5. 1 x 10 x 110 Triangular Drill Bit
6. 1 x Hex Wrench 6



Image 3.1: A complete view of the VEVOR HR-03-29-2 handrail and all accompanying accessories, including screws, expansion tubes, drill bit, and hex wrench.

## 4. INSTALLATION GUIDE

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The VEVOR HR-03-29-2 handrail is designed for versatile installation on various wall materials, including concrete, wood, tile, and marble. Follow these steps for secure mounting:

- 1. Choose Location:** Select a suitable location on a sturdy wall adjacent to your steps (1 to 3 steps). Ensure the mounting surface is clean and free of obstructions.
- 2. Mark Drilling Points:** Position the handrail against the wall at the desired height and angle. Use a pencil to mark the locations for the mounting holes through the base plate.
- 3. Drill Holes:** Using the provided 10x110 triangular drill bit (or an appropriate drill bit for your wall material), drill holes at the marked points. Ensure the depth is sufficient for the expansion tubes.
- 4. Insert Expansion Tubes:** Insert the 8x38 iron expansion tubes into the drilled holes. Tap them gently with a hammer until they are flush with the wall surface.

5. **Mount Handrail:** Align the handrail's base plate with the inserted expansion tubes. Secure the handrail to the wall using the M10x20 hex socket semi-countersunk screws and the M6x40 self-tapping screws. Use the hex wrench to tighten the M10 screws.
6. **Verify Stability:** After tightening all screws, firmly pull and push on the handrail to ensure it is securely mounted and does not wobble.

**VEVOR**

Item Model Number:  
**HR-03-29-2**

Specification:  
**29 inch**

Maximum Load Capacity:  
**530 lbs / 240 kg**

Net Weight(with accessories):  
**10.76 lb / 4.88 kg**

Quantity:  
**2**

Product Dimensions (LxWxH):  
**22.64x3.15x17.72 in / 575x80x450 mm**

Image 4.1: The VEVOR handrail is compatible with various wall materials, including tiles, wood, concrete, and marble, offering flexible installation options.

# COMES WITH MULTIPLE METAL EXPANSION ANCHORS

More Stable, Less Likely to Break



Image 4.2: Detailed view of the metal expansion anchors and screws provided for a secure and stable installation of the handrail.

## 5. USAGE

The VEVOR HR-03-29-2 handrail provides reliable support for individuals navigating 1 to 3 steps. Its U-shaped design and comfortable grip ensure stability. To use, simply grasp the handrail firmly while ascending or descending stairs. The thickened tube and double reinforcement rods contribute to its robust structure, ensuring safety for all users.



Image 5.1: An elderly person demonstrating the use of the VEVOR handrail, highlighting its strong load capacity and ease of grip for safe stair navigation.



Image 5.2: This diagram illustrates the double connection rods integrated into the handrail design, providing superior stability and safety compared to single rod designs.

## 6. MAINTENANCE

- **Cleaning:** Wipe the handrail regularly with a soft, damp cloth to remove dust and dirt. Avoid abrasive cleaners or harsh chemicals that could damage the matte black finish.
- **Inspection:** Periodically check all mounting screws and connections to ensure they remain tight. Re-tighten any loose fasteners immediately.
- **Damage Check:** Inspect the handrail for any signs of rust, cracks, bends, or other damage. If significant damage is found, discontinue use and consider replacement.

## 7. TROUBLESHOOTING

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### Problem: Handrail feels loose after installation.

**Solution:** Ensure all mounting screws (M10 and M6) are fully tightened. Verify that the expansion tubes are properly seated in the wall and that the wall material is sound. If the wall material is weak, consider reinforcing the mounting area or consulting a professional.

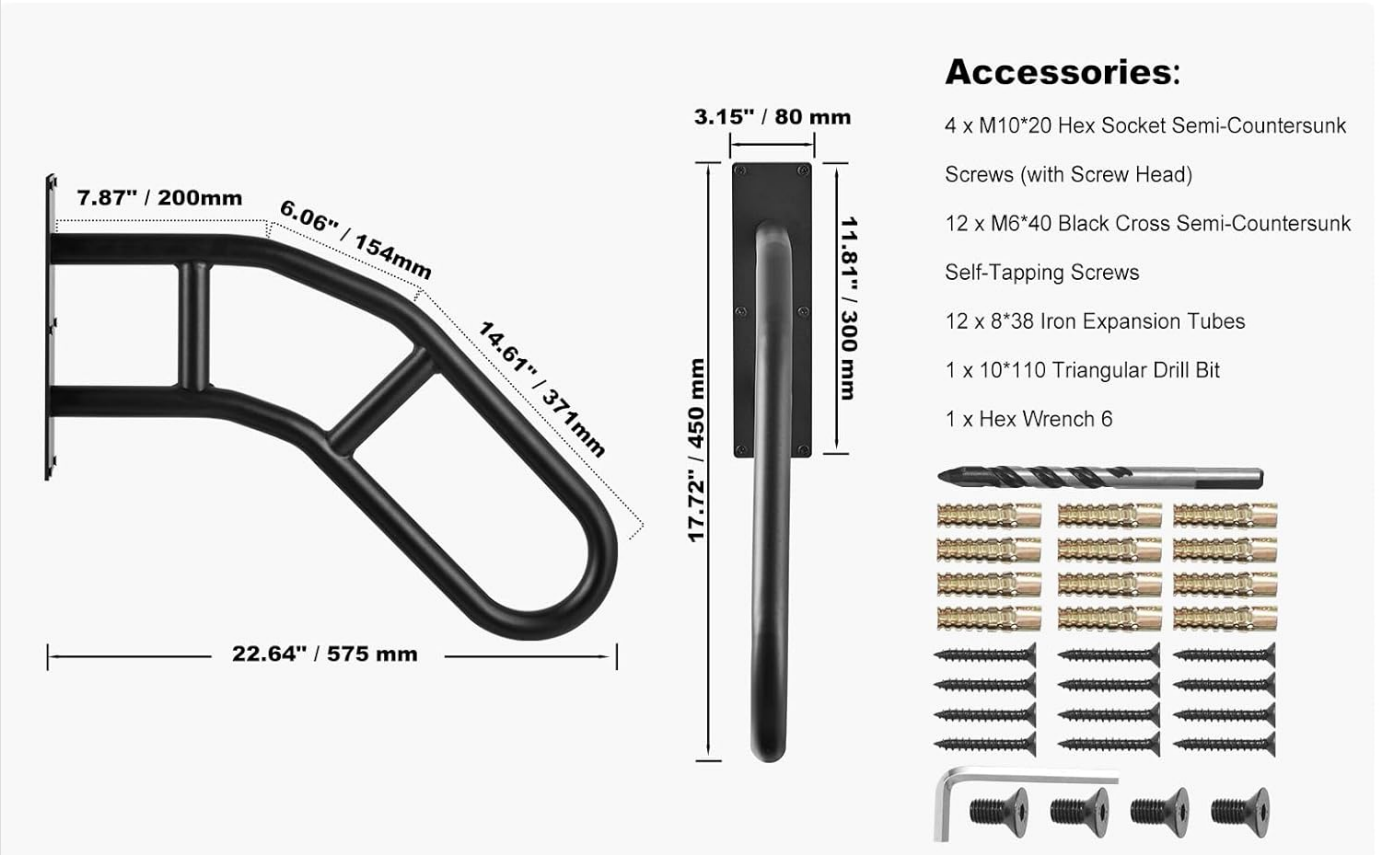
### Problem: Difficulty drilling holes or screws not holding.

**Solution:** Confirm you are using the correct drill bit for your specific wall material. For concrete or masonry, ensure the drill is set to hammer drill mode. If screws are not holding, the expansion tubes may not be properly installed or the hole size might be incorrect. Refer to the installation guide for proper hole dimensions.

## 8. SPECIFICATIONS

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<b>Model</b>	HR-03-29-2
<b>Quantity</b>	2 pieces (for this variant)
<b>Length</b>	73.7 cm (29 inches)
<b>Maximum Load Capacity</b>	240 kg (530 lbs)
<b>Applicable Steps</b>	1 to 3 steps
<b>Main Material</b>	Q235A Carbon Steel
<b>Net Weight (with accessories)</b>	4.88 kg (10.76 lbs)
<b>Product Dimensions (L x W x H)</b>	575 x 80 x 450 mm (22.64 x 3.15 x 17.72 inches)
<b>Finish</b>	Matte Black, Powder Coating



**Item Model Number:**

HR-03-29-2

**Specification:**

29 inch

**Quantity:**

2

**Maximum Load Capacity:**

530 lbs / 240 kg

**Applicable Steps:**

1-3

**Net Weight (with accessories):**

10.76 lb / 4.88 kg

**Product Dimensions (LxWxH):** 22.64x3.15x17.72 in / 575x80x450 mm

Image 8.1: Technical drawing illustrating the precise dimensions of the VEVOR HR-03-29-2 handrail, including length, width, and height measurements.

**9. WARRANTY AND SUPPORT**

VEVOR is committed to providing high-quality products. For any warranty claims, technical support, or questions regarding your HR-03-29-2 handrail, please contact VEVOR customer service through the retailer where the product was purchased or visit the official VEVOR website for support information. Please have your model number (HR-03-29-2) and purchase details ready when contacting support.