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VEVOR VV-OSRLG-4

VEVOR Outdoor Stair Railing VV-OSRLG-4 User Manual

Model: VV-OSRLG-4

1. Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of your VEVOR Outdoor Stair Railing, Model VV-OSRLG-4. This adjustable wrought iron handrail is designed to provide support and enhance safety on outdoor steps, suitable for 0 to 5 steps. Please read these instructions thoroughly before beginning installation or use.

2. Safety Instructions

- Always wear appropriate personal protective equipment (PPE) during installation, including safety glasses and gloves.
- Ensure the mounting surface is structurally sound and capable of supporting the handrail and anticipated loads.
- Verify all fasteners are securely tightened before using the handrail. Regular checks are recommended.
- Do not modify the handrail structure, as this may compromise its integrity and safety.
- Keep children and pets away from the installation area.
- If you are unsure about any part of the installation process, consult a qualified professional.

3. Package Contents

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

- 1 x Outdoor Handrail
- 10 x M8x60mm Screws
- 10 x Expansion Screws
- 1 x M12 Drill Bit
- Other necessary installation accessories (e.g., wrench, inner hexagon spanners)



Figure 3.1: Complete accessories included for installation.

Note: The exact quantity and type of smaller fasteners may vary slightly. Refer to the provided parts list in your package for precise details.

4. Specifications

Feature	Specification
Model	VV-OSRLG-4
Material	Wrought Iron
Color	Matte Black
Fitting Steps	0-5 Steps
Adjustable Angle	0-50°
Max. Height for Steps	26.7 inches / 67.8 cm

Item Height	33 inches / 83.5 cm
Item Width	68 inches / 172.5 cm
Weight Capacity	Up to 661 lbs (300 kg)
Finish Type	Powder Coated

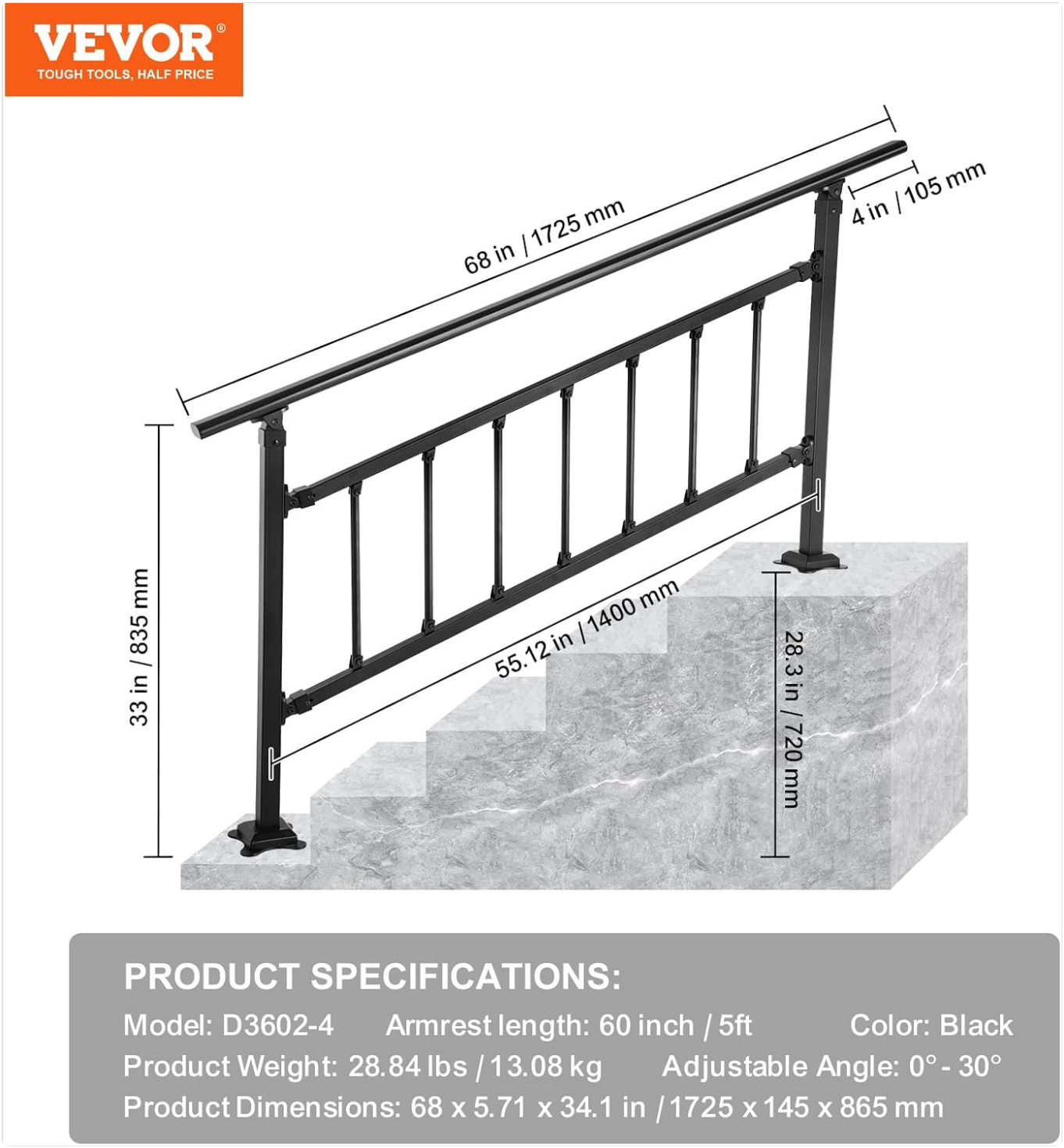

Figure 4.1: Product dimensions and adjustable angle details.



Figure 4.2: Handrail adjustability for various step heights and angles.

5. Setup (Installation)

The VEVOR Outdoor Stair Railing is designed for straightforward installation. Follow these steps carefully:

1. **Step 1: Mark Hole Positions**
   Position the handrail on your steps to determine the desired location. Use a pencil to mark the drilling points through the base plates onto the mounting surface. Ensure the handrail angle aligns with your stairs (adjustable from 0-50 degrees).
2. **Step 2: Drill Holes**
   Using the provided M12 drill bit, drill holes at the marked positions. The depth of the holes should be appropriate for the M8x60mm screws and expansion screws. For concrete surfaces, a hammer drill is recommended.
3. **Step 3: Install Bolts**
   Insert the expansion screws into the drilled holes. Place the handrail over the expansion screws, aligning the base plate holes.
4. **Step 4: Secure with Metal Anchors**
   Tighten the M8x60mm screws into the expansion screws using the provided wrench until the handrail is firmly secured to the surface. Ensure all connections are tight and stable.



Figure 5.1: Visual guide for the 4-step installation process.

Note: The handrail features adjustable pivot points that allow you to set the angle to match your stairs. Adjust these points before final tightening of the base plate screws.

6. Operating (Usage)

The VEVOR Outdoor Stair Railing is designed to provide stable support when ascending or descending steps. Grasp the handrail firmly to maintain balance and prevent falls, especially in adverse weather conditions such as rain or snow. The robust wrought iron construction ensures reliable support for users.



Figure 6.1: Handrail in use, providing support on outdoor steps.

The handrail is suitable for various outdoor environments including homes, gardens, hotels, and porches. Its versatile design allows it to be installed on concrete, brick, or wood steps.



Figure 6.2: Examples of versatile applications for the outdoor handrail.

7. Maintenance

To ensure the longevity and appearance of your VEVOR Outdoor Stair Railing, follow these maintenance guidelines:

- **Cleaning:** The powder-coated surface is easy to clean. Use a soft cloth or mop with mild soap and water to wipe down the handrail. Avoid abrasive cleaners or harsh chemicals that could damage the finish.
- **Inspection:** Periodically inspect all mounting points and fasteners for tightness. Re-tighten any loose screws to maintain stability.
- **Damage:** If the powder coating is scratched or chipped, consider applying a suitable touch-up paint to prevent rust and maintain the aesthetic.

8. Troubleshooting

This section addresses common issues you might encounter with your handrail.

- **Issue: Handrail feels loose after installation.**
  Solution: Re-check all anchor points and ensure screws are tightened securely. Over-tightening certain adjustable components

can cause damage; refer to installation steps for proper torque.

- **Issue: Minor cosmetic imperfections (e.g., scratches).**
  Solution: A suitable touch-up paint can be applied to the powder-coated surface to restore its appearance and protect against corrosion.
- **Issue: Water accumulation within posts (in freezing climates).**
  Solution: To prevent potential damage from freezing water, consider consulting a professional for advice on adding small drainage holes at the lowest point of the posts if the design allows and if necessary for your specific environment.

9. Warranty and Support

VEVOR products are manufactured to high-quality standards. For warranty information, product support, or to report any issues, please refer to the warranty card included with your purchase or visit the official VEVOR website. Keep your purchase receipt as proof of purchase for any warranty claims.

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