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› Metty Metal Handrail Instruction Manual

Metty Metal Q350

Metty Metal Handrail Instruction Manual

Model: Q350 - Black-Straight 4 Step

1. INTRODUCTION

This instruction manual provides comprehensive guidance for the installation, operation, and maintenance of your Metty Metal Handrail. Designed for both indoor and outdoor use, this sturdy and adjustable handrail enhances safety and accessibility for various stair configurations, including 1 to 4 steps. Its robust wrought iron construction and powder-coated finish ensure durability and a modern aesthetic.

Please read this manual thoroughly before beginning installation to ensure proper setup and long-lasting performance.

2. SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, during installation.
- Ensure the mounting surface (wood or concrete) is structurally sound and capable of supporting the handrail's load capacity of 600 pounds.
- Verify all fasteners are securely tightened after installation and periodically check for any loosening.
- Do not use the handrail for purposes other than providing support on stairs.
- Keep children and pets away from the installation area.

3. PACKAGE CONTENTS

Before beginning installation, verify that all components listed below are present and undamaged:

- Handrail Assembly (Main Rail and Support Bars)
- Mounting Brackets
- Self-drilling Screws (for wood installation)
- Expansion Bolts (for concrete installation)
- Hex Bit
- Bit Extension
- Masonry Drill Bit

- Standard Drill Bit
- Nut Driver
- Installation Guide (this manual)



Figure 3.1: All components included in the Metty Metal Handrail kit.

4. SETUP AND INSTALLATION

The Metty Metal Handrail is designed for easy DIY installation. Follow these steps carefully for a secure and stable setup.

4.1 Pre-Installation Considerations

- Determine the optimal placement for your handrail. It is adjustable to fit 1 to 4 steps.
- Ensure the surface is clean and free of debris.
- Gather all necessary tools, including a drill (hammer drill recommended for concrete), measuring tape, and a pencil.

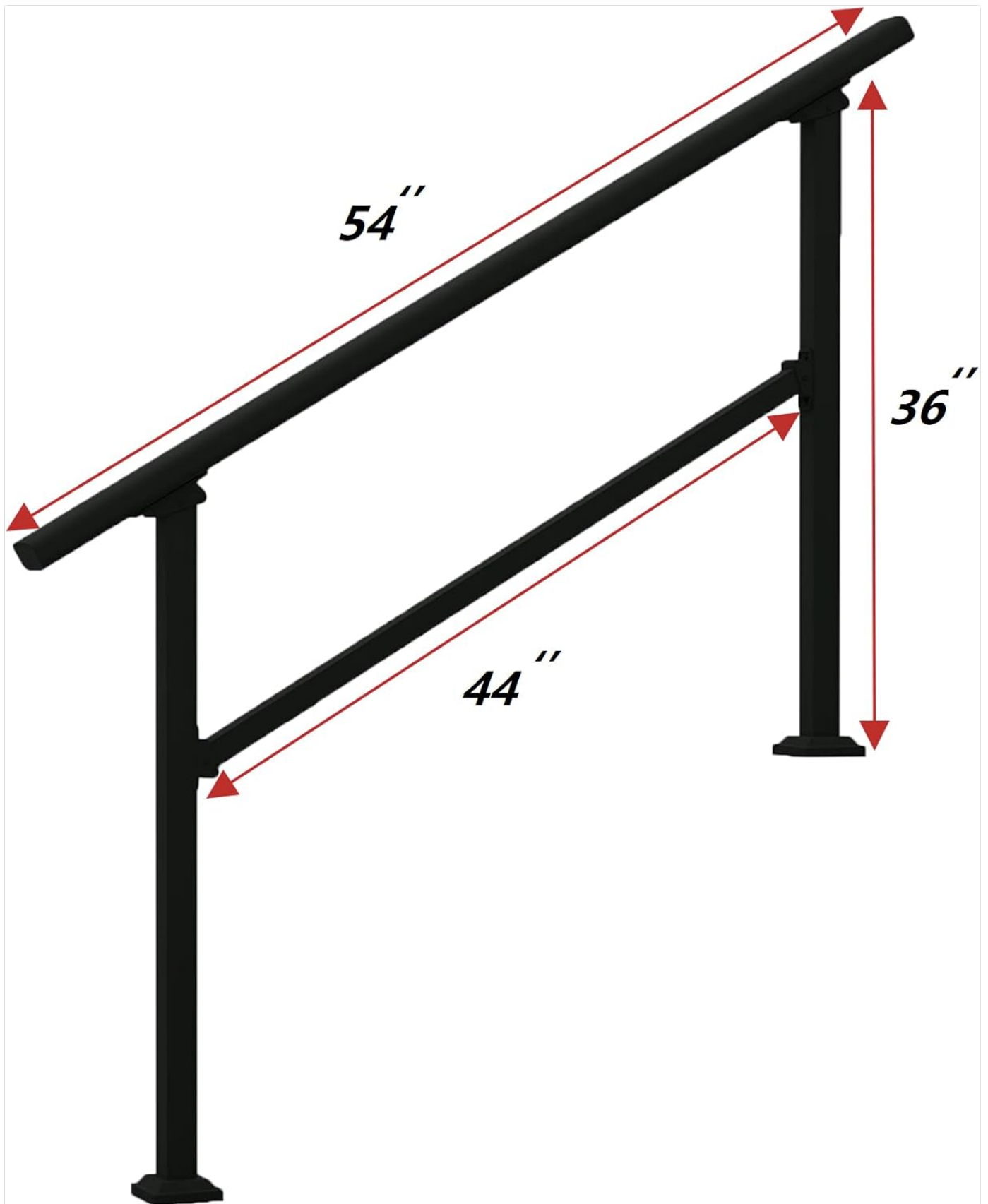


Figure 4.1: Handrail dimensions for planning installation.

4.2 Assembly Steps

1. **Assemble the Handrail:** Connect the main rail and support bars using the provided screws. Ensure the curved ends of the handrail are positioned correctly for comfortable grip.
2. **Positioning:** Place the assembled handrail on your steps to determine the exact mounting locations for the base plates. Mark the drill points accurately with a pencil.
3. **Drilling Holes:**

- For **wood surfaces**, use the standard drill bit to pre-drill pilot holes at the marked locations.
- For **concrete surfaces**, use the masonry drill bit and a hammer drill to drill holes at the marked locations.

4. Secure the Handrail:

- For **wood surfaces**, align the base plates with the pre-drilled holes and secure the handrail using the self-drilling screws. Use the hex bit and bit extension with your drill.
- For **concrete surfaces**, insert the expansion bolts into the drilled holes. Place the handrail base plates over the bolts and tighten securely with the nut driver.

5. **Final Adjustments:** The handrail features adjustable angles to accommodate different step heights. Ensure all connections are tight and the handrail is stable before use.

Easy to Install

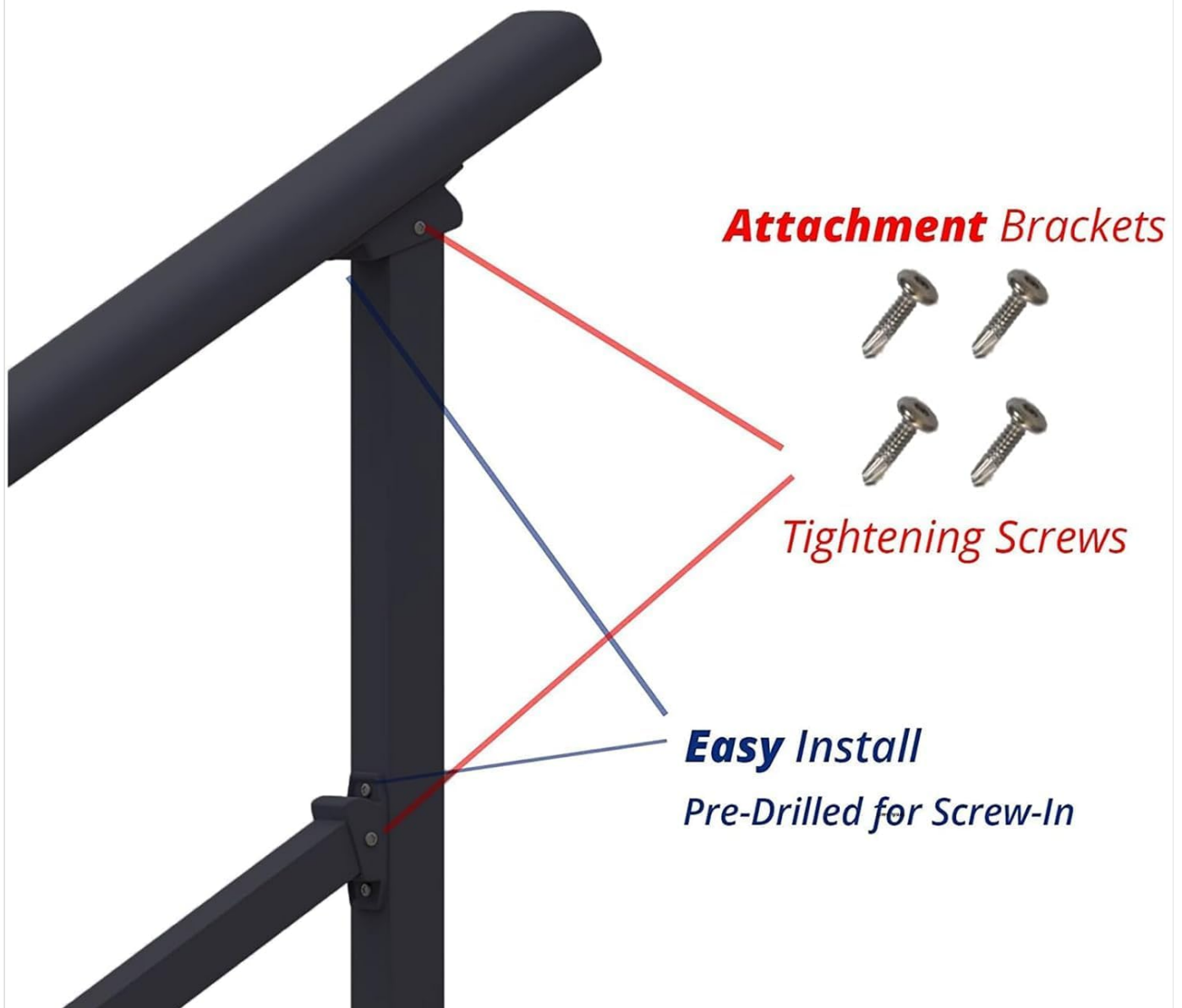


Figure 4.2: Simplified installation steps.



Figure 4.3: Example of installed handrail on outdoor steps.

4.3 Installation Video Guide

For a visual walkthrough of the installation process, please watch the official product video below:

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Video 4.1: Metty Metal Handrail Product Overview and Installation Highlights.

5. OPERATING INSTRUCTIONS

The Metty Metal Handrail provides a secure and comfortable grip for ascending and descending stairs. Its design is suitable for a wide range of users, including independent toddlers, the elderly, and individuals with mobility challenges.

- Always use the handrail for support when navigating stairs, especially in slippery or low-light conditions.
- The oval armrests are designed for a comfortable and secure grip.
- The handrail's robust construction ensures stability and can support loads above 500 lbs, providing reliable

assistance.



Figure 5.1: Handrail providing support for different users.

More comfortable and user-friendly design

Our



Oval armrests for better grip

Others



Easy to hurt your hands

Figure 5.2: Ergonomic design for comfortable use.

6. MAINTENANCE

Regular maintenance will ensure the longevity and continued performance of your Metty Metal Handrail.

- **Cleaning:** Wipe down the handrail periodically with a damp cloth and mild soap to remove dirt and grime. Avoid abrasive cleaners or harsh chemicals that could damage the powder-coated finish.
- **Inspection:** Annually, or more frequently in harsh weather conditions, inspect all mounting points and connections for any signs of loosening, rust, or damage. Tighten any loose fasteners immediately.
- **Rust Prevention:** The handrail features a durable powder-coated finish designed to resist rust. However, if any scratches or chips occur, touch up the affected areas with rust-inhibiting paint to prevent corrosion.

Guaranteed for 10 years without rusting

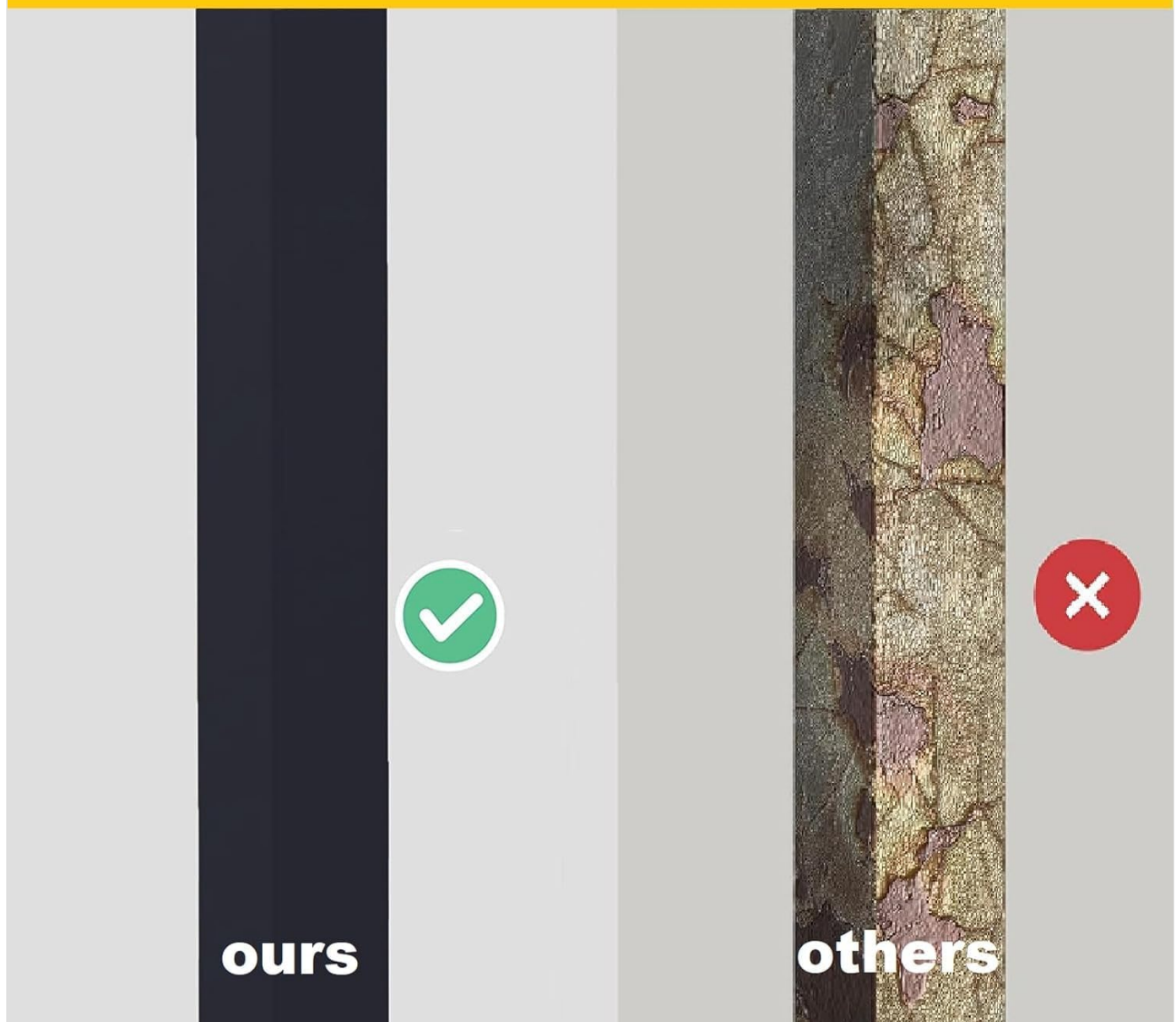


Figure 6.1: Rust resistance of Metty Metal Handrails.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Handrail feels wobbly or loose.	Loose mounting bolts/screws; insufficient structural support.	Tighten all mounting bolts/screws. If the surface is not strong enough, reinforce it or consult a professional.
Difficulty aligning holes during installation.	Inaccurate marking or drilling.	Re-measure and re-mark carefully. Ensure drill is perpendicular to the surface. Use the provided bit extension for better reach.
Surface rust appearing.	Damage to the powder-coated finish exposing bare metal.	Clean the rusted area thoroughly and apply rust-inhibiting paint to touch up.

8. SPECIFICATIONS

- **Brand:** Metty Metal
- **Model:** Q350
- **Material:** Wrought Iron
- **Color:** Black-Straight
- **Product Dimensions:** 36"L x 25"W
- **Item Weight:** 14.47 pounds (6.58 Kilograms)
- **Finish Type:** Powder Coated
- **Maximum Weight Capacity:** 600 Pounds
- **Country of Origin:** China

TOP RAIL SPECIFICATION

- **Adjustable Positions**

With Suggested PreDrill Holes

Use Inculded Self-Tap



- **Can Cut Shorter**

Only If Desired



- **Plastic End Cap**

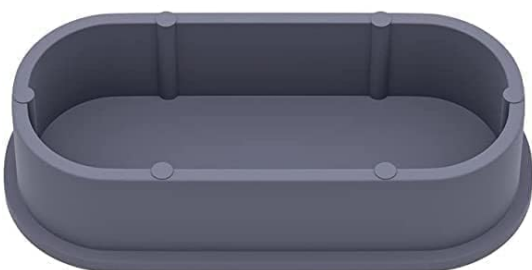


Figure 8.1: Top rail specifications.

9. WARRANTY AND SUPPORT

Metty Metal stands behind the quality of its products. For specific warranty details, product support, or to inquire about replacement parts, please refer to the contact information provided on the product packaging or visit the official Metty Metal website.

We are committed to ensuring your satisfaction and safety with our handrails.