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Muzata MZZ395

Muzata 1/8" Cable Railing Hardware Kit Instruction Manual

Model: MZZ395

Brand: Muzata

1. PRODUCT OVERVIEW

The Muzata 1/8" Cable Railing Hardware Kit (CK21) provides a robust and aesthetically pleasing solution for cable railing systems. Designed for versatility, this kit is suitable for various applications including multi-angle stairs, corner posts, long-distance runs, and posts against walls. The components are made from T316 stainless steel, ensuring durability and resistance to corrosion.



Image: Overview of the Muzata Cable Railing Hardware Kit components and a sample installed railing system.

2. ITEMS INCLUDED

Each Muzata CK21 kit includes the following components:

- Tensioners (x10)
- Fixed ends (x10)
- Stainless steel washers (x20) - for covering spare holes
- Adhesive washers (x30)

- ✓ **ONLY for METAL posts**
- ✓ **Fits hole diameter $\geq 7\text{mm}$**

For 1/8" cable



Items included



Tensioner
x10



Fixed end
x10



Stainless steel washer
(For covering spare holes)
x20



Adhesive
x30

Image: Detailed view of the components included in the Muzata CK21 kit.

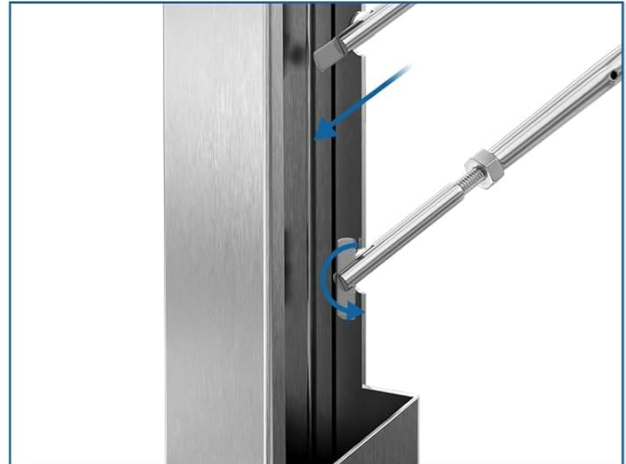
3. KEY FEATURES

- **Multi-scenes Application:** The kit is adaptable for various railing configurations, including any-angle stairs, corner posts, long-distance runs, and installations against walls. Adhesive washers are provided to cover unused holes if necessary.
- **Multi-angle Compatibility for Metal Posts:** Features a rotatable blade head that allows the tensioner to be easily stuck inside metal posts and rotated from 0 to 180 degrees, accommodating both level and angled applications.
- **Wide Adjustable Range:** The turnbuckle tensioner allows for tightening cables up to 35 feet in a straight run, simplifying cable length adjustment and re-tightening.
- **T316 Marine Grade Stainless Steel:** All components are constructed from high-quality T316 stainless steel, offering superior corrosion resistance, especially suitable for outdoor and marine environments.

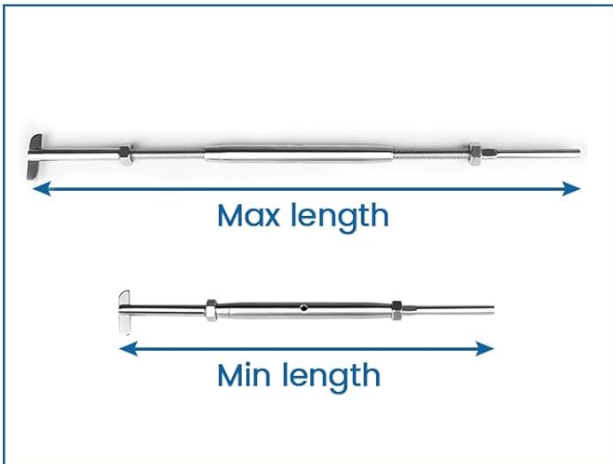
Super Easy for Beginners



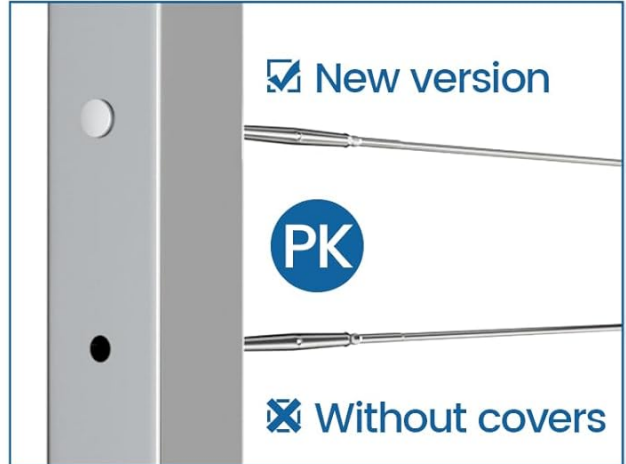
For any angles



Simply stuck in



Wide adjustable length



Simply stuck in

Image: Demonstrates the multi-angle adjustability and ease of installation for beginners.

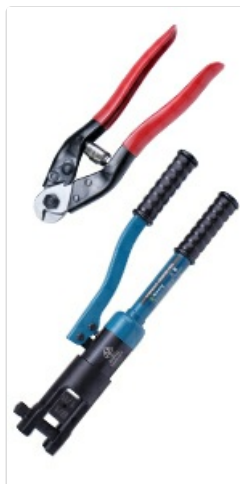


Image: Close-up of T316 Stainless Steel components, highlighting their marine-grade quality and resistance to elements.

4. SETUP AND INSTALLATION

Follow these steps for installing your Muzata cable railing kit. For a complete system, additional components like wire rope, protector sleeves, and crimping tools may be required (sold separately).

4.1 Recommended System Components

To build a complete system, Muzata recommends combining the CK21 kit with:

- Wire rope (WR22)
- Protector sleeve (CR90)
- Adhesive washer (CR91)
- Cable cutter and hydraulic crimper (CK12)
- Posts (PS01, PS02)
- Handrails (HT10)
- Handrail connectors (HA01, HA02, HA23)

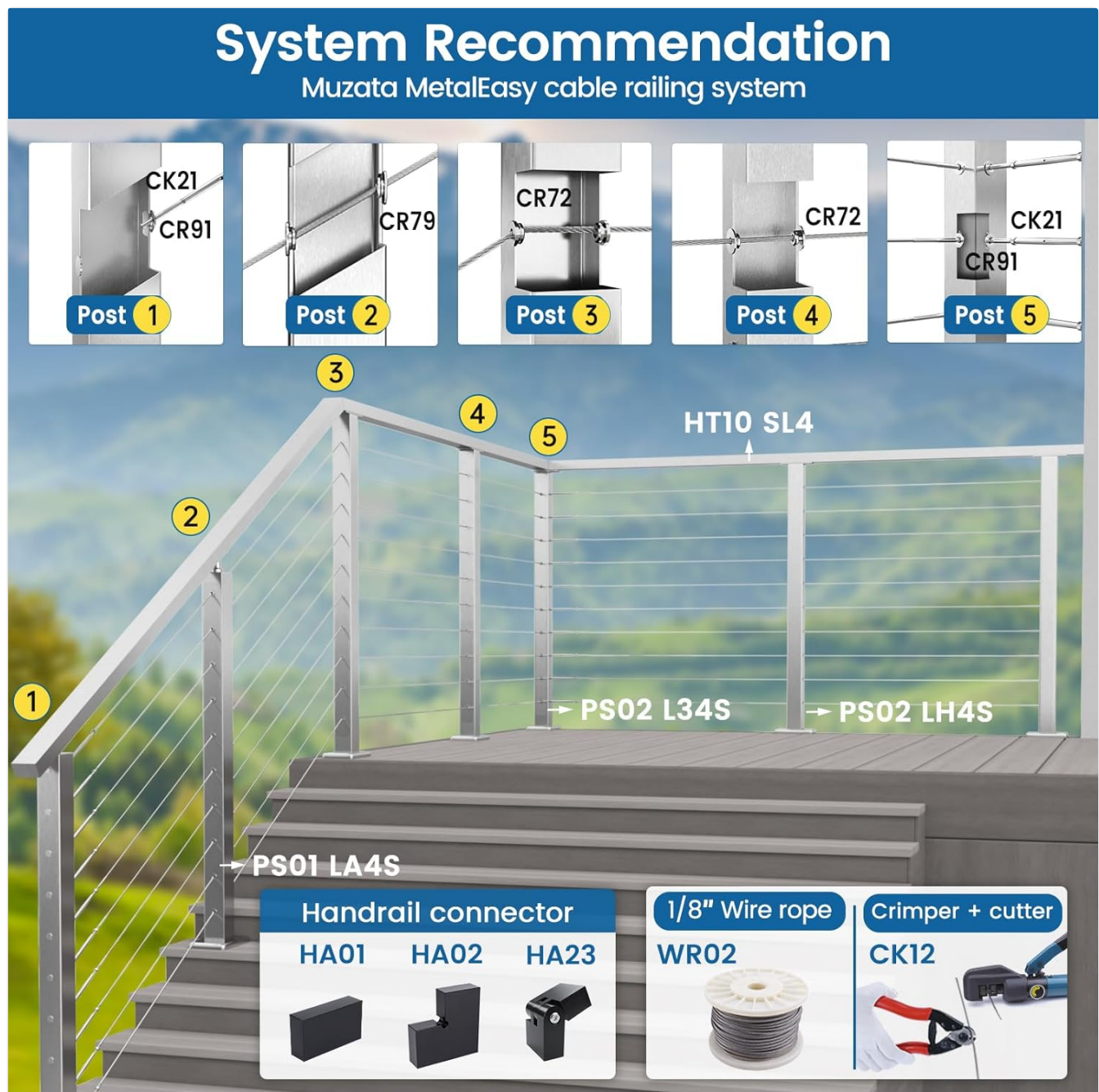


Image: System Recommendation diagram for Muzata MetalEasy cable railing.

4.2 Installation Steps

1. **Prepare Posts:** Ensure your metal posts have appropriate holes drilled for the cable railing. The rotatable blade head of the tensioner requires a hole diameter of at least 7mm.

2. **Swage and Flip Fixed End:** Insert the cable into the fixed end and swage it securely. Flip the fixed end into the post hole.
3. **Install and Loosen Tensioner:** Insert the tensioner into the opposite post hole and loosen it to its maximum length.
4. **Measure and Cut Cable:** Extend the cable from the fixed end through the tensioner. Mark the cable at the insertion depth of the tensioner and cut it using a cable cutter.
5. **Swage Tensioner End:** Swage the cable securely into the tensioner.
6. **Tighten and Lock:** Tighten the turnbuckle tensioner until the cable is taut. Lock the nut to secure the tension.
7. **Cover Spare Holes:** If any holes are unused, cover them with the provided adhesive washers for a clean finish.

How to install Muzata CK21 ?



Image: Visual step-by-step guide for installing the Muzata CK21 kit.

4.3 Installation Video Guide

Video: Detailed installation steps for the Muzata T316 stainless steel 1/8" cable railing kit CK21. This video demonstrates the process of attaching the cable to the tensioners and fixed ends, as well as tightening the system.

5. OPERATING AND ADJUSTMENT

Once installed, the cable railing system requires minimal operation. The primary adjustment involves maintaining proper cable tension.

- **Tension Adjustment:** Use the turnbuckle mechanism on the tensioner to adjust the tautness of the cable. Turn the body of the

turnbuckle to either tighten or loosen the cable as needed.

- **Initial Settling:** Cables may stretch slightly after initial installation. It is recommended to check and re-tighten the cables after a week or two, and then periodically thereafter.

5.1 Product Overview Video

Video: An overview of the Graceful and Modern Cable Railing System - Muzata SteelGrace. This video showcases the aesthetic and functional aspects of the railing system, including its natural color and brushed finish.

6. MAINTENANCE

To ensure the longevity and appearance of your Muzata cable railing system, follow these maintenance guidelines:

- **Regular Cleaning:** Clean stainless steel components periodically with mild soap and water. Rinse thoroughly with clean water and dry with a soft cloth to prevent water spots and maintain luster.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners, steel wool, or harsh chemicals (e.g., bleach, chlorine-based cleaners) as these can damage the stainless steel finish and promote corrosion.
- **Inspect for Tension:** Periodically check the tension of the cables. If any cables feel loose, re-tighten them using the turnbuckle mechanism.
- **Address Rust Spots:** While T316 stainless steel is highly corrosion-resistant, surface rust (tea staining) can occur in harsh environments. Address these promptly with a specialized stainless steel cleaner or passivating agent.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Cables become loose after installation	Initial cable stretching or settling.	Re-tighten the turnbuckle tensioners. This is normal during the first few weeks.
Fittings do not fit into post holes	Incorrect hole size or minor manufacturing tolerance.	Ensure post holes are at least 7mm in diameter. If minor, gentle filing of the fitting or re-drilling the hole slightly larger may be necessary.
Surface rust (tea staining) appears on components	Exposure to harsh environmental elements (e.g., salt spray, industrial pollutants) or improper cleaning agents.	Clean with a specialized stainless steel cleaner or passivating solution. Rinse and dry thoroughly. Avoid abrasive materials.

8. SPECIFICATIONS

- **Product Dimensions:** 8.46 x 0.39 x 0.39 inches
- **Item Weight:** 2.05 Pounds
- **Model Number:** MZZ395
- **Material:** T316 Stainless Steel
- **Color:** Silver
- **Shape:** Half-round Rod
- **Country of Origin:** China

9. WARRANTY INFORMATION

Specific warranty details for the Muzata 1/8" Cable Railing Hardware Kit (CK21) are not provided within this manual. Please refer to the official Muzata website or contact Muzata customer support for comprehensive warranty information.

10. SUPPORT AND CONTACT

Muzata is committed to providing quality products and professional service. For any questions or assistance with your cable railing project, please utilize the following resources:

- **Expert Design Service:** Muzata offers planning, designing, and budget assistance without extra charges.
- **Dedicated After-Sales Care:** Support is available for any post-purchase inquiries.
- **Comprehensive Installation Support:** Access tutorial videos and direct technical support.

To contact Muzata, you can typically find their contact information (message or phone) by clicking on the "Sold by Muzata" link on the product's retail page. You can also search for specific products by typing "Muzata + model number" (e.g., "Muzata CK17") in the search bar.

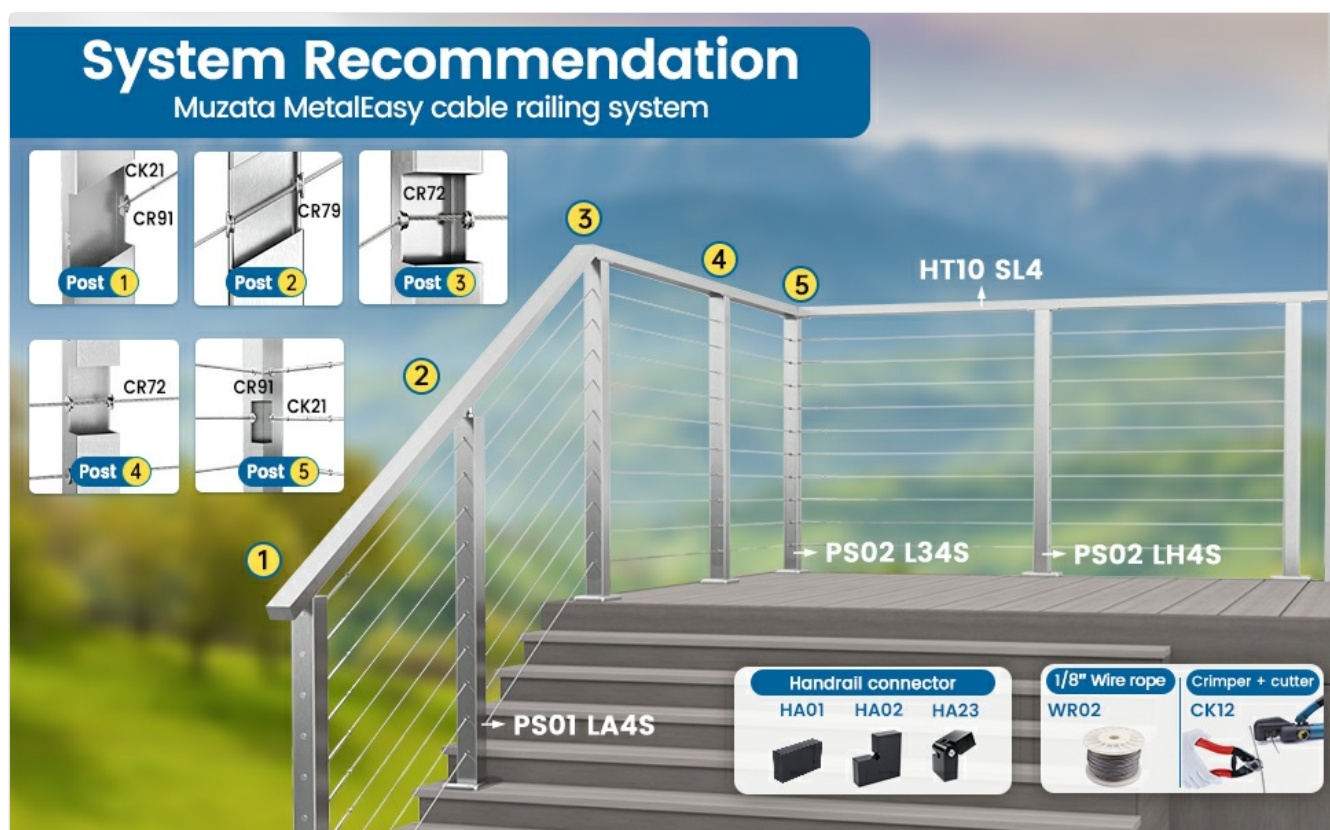








Image: Diagram illustrating Muzata's One-Stop Service, from initial contact to installation support.

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Related Documents - MZZ395

 CR73 User Guide <small>16/02/015 (230616)</small>	Muzata CR73 User Guide: Invisible Cable Railing Installation <p>Comprehensive user guide for the Muzata CR73 invisible cable railing kit. Learn how to install this T316 stainless steel system on wood posts for decks and stairs, including level and angle railing instructions and tips.</p>
 CR27 User Guide <small>16/02/019(230907)</small>	Muzata CR27 Cable Railing System User Guide <p>Comprehensive user guide for the Muzata CR27 invisible cable railing system, detailing installation for wood and metal posts, including parts, specifications, and tips for level and angled railings.</p>
 CR26 User Guide <small>16/00719(230817)</small>	Muzata CR26 Invisible Cable Railing System User Guide <p>Comprehensive user guide for the Muzata CR26 Invisible Cable Railing System, detailing installation for both wood and metal posts, including level and angled sections. Learn about specifications, related items, and installation tips for a clean and code-compliant cable railing.</p>
 CR09 User Guide <small>16/00499(2022715)</small>	Muzata CR09 Hydraulic Crimper User Guide Stainless Steel Cable Railing Tool <p>Comprehensive user guide for the Muzata CR09 hydraulic crimper tool, detailing its specifications, operation steps, and features for 1/8-inch stainless steel cable railing kits. Learn how to use the tool effectively and about Muzata's design services.</p>
 HT10 Handrail User Guide <small>16/00494(2018)</small>	Muzata HT10 Handrail User Guide: Installation and Specifications <p>Get detailed installation instructions and specifications for the Muzata HT10 stainless steel handrail system. This user guide covers overview, product variants (HT10 BP4, HT10 WP4, HT10 SL4), installation steps for level, corner, and stair configurations, essential tips, and Muzata's design services. Ideal for residential and commercial projects.</p>
 Side Mount Post PF01 PF02 User Guide <small>16/00494(2018)</small>	Muzata PF01 PF02 Side Mount Post User Guide & Installation Instructions <p>Comprehensive user guide and installation instructions for Muzata PF01 and PF02 Side Mount Posts. Learn about specifications, related items, and step-by-step installation for level and stair sections.</p>

