



CR39

User Guide

1602016(230731)

1. Overview

The Muzata CR39 is a cost-effective and long-thread stud cable railing tensioner. It's suitable for 4" wood posts and can be used for both level and angled sections. The T316 stainless steel terminal has excellent resistance to rust, corrosion and extreme weather and is ideal for both indoor and outdoor projects, even coastal projects.

2. Specifications



Model	Material	For wire	Finishing
CR39	T316 Stainless Steel	1/8"	Natural/Black

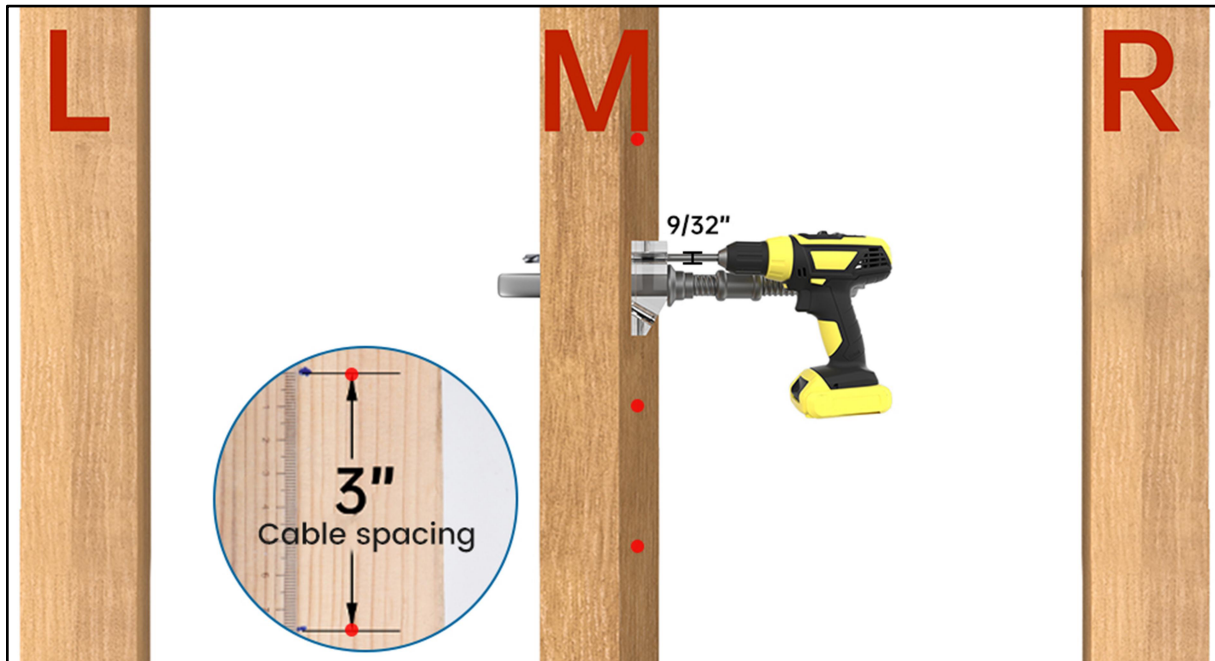
3. Items related

Listed below are all of the accessories and tools related to the Muzata CR39. Please note that not all items are essential. Some may not be included in your package. If you need them, you may need to purchase them separately. Please select the appropriate color of the product according to the color design of your project.

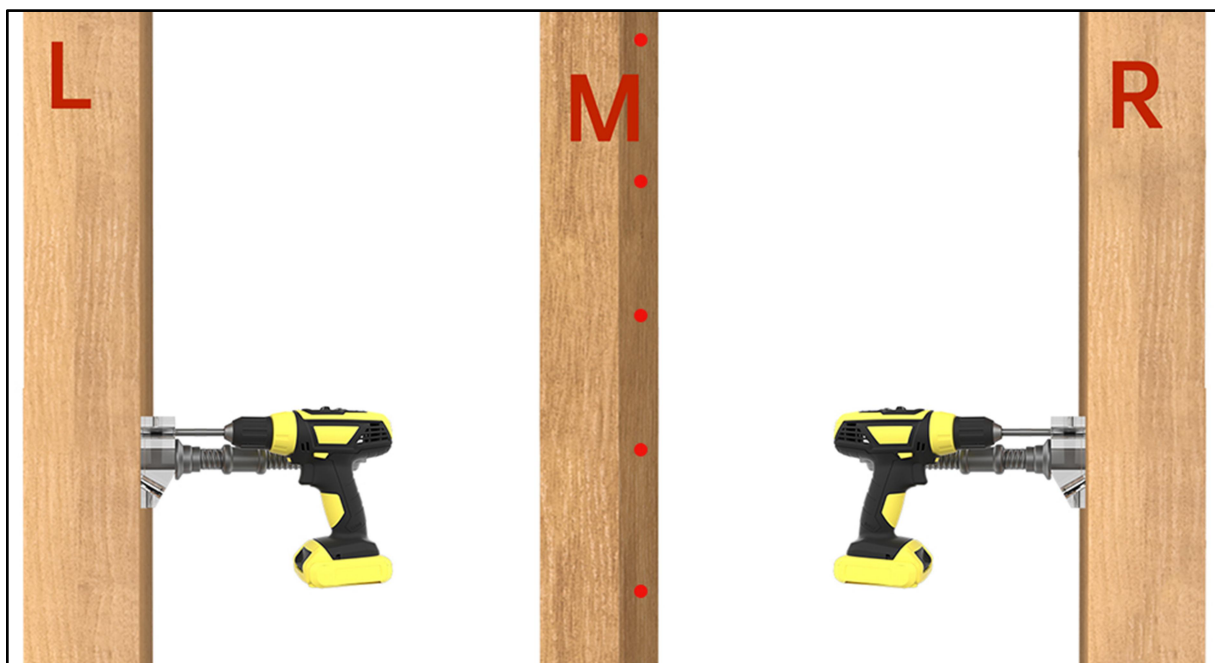


4. Installation Steps

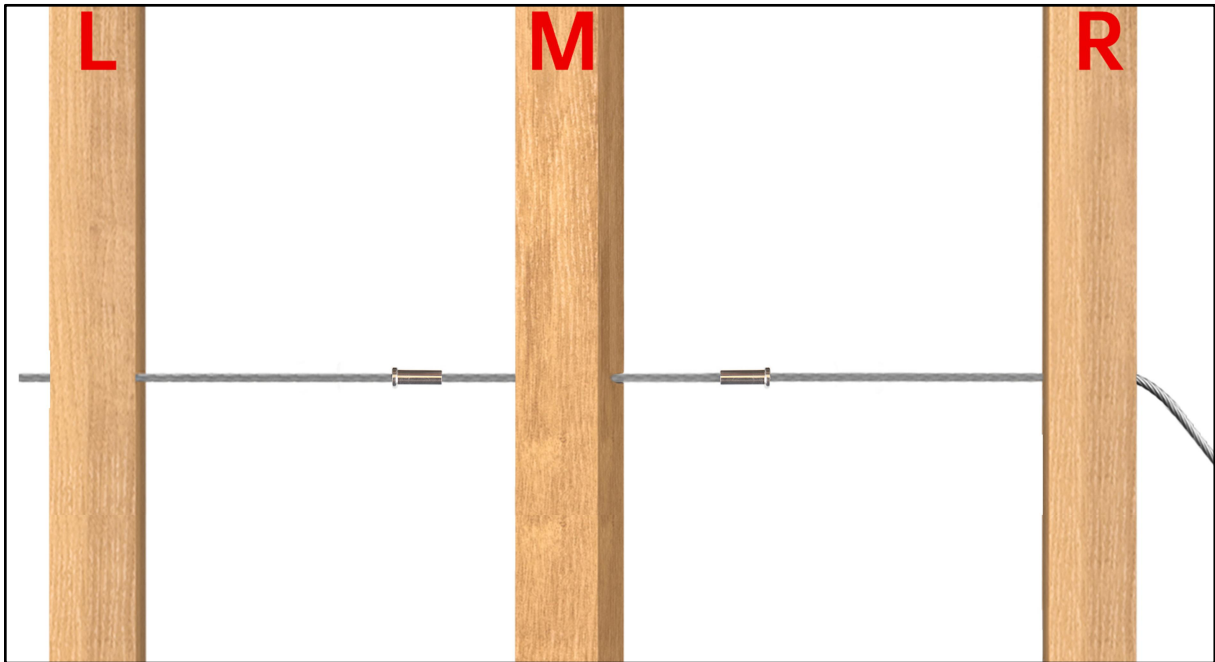
4.1 For level railing



Step 1 - Locate hole positions, drill through holes with drill guide ⑧ and a 9/32" drill bit ⑨ on the intermediate posts.



Step 2 - Locate hole positions, drill through holes with drill guide ⑧ and a 9/32" drill bit ⑨ on the left and right posts.



Step 3 - Pass the cable ③ from the right post to the left post, and put in level protector sleeves ⑤ on both sides of all intermediate posts.



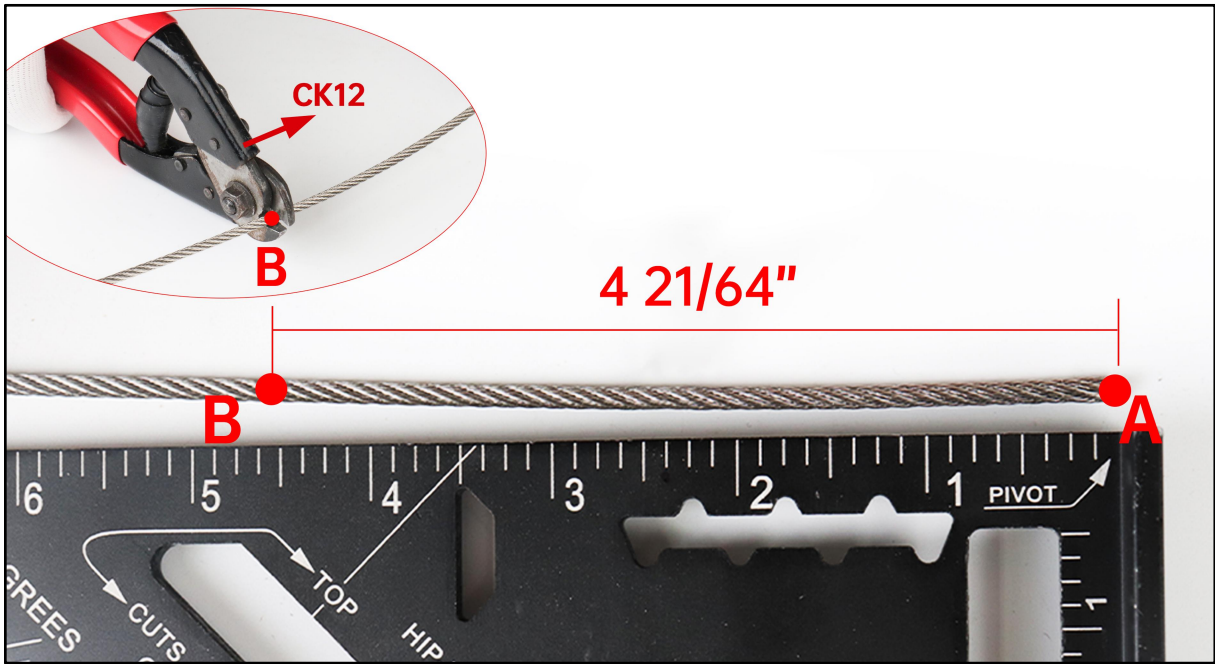
Step 4 - Swage the fixed end ② with the hydraulic crimper tool ④.



Step 5 - Install the fixed end ② to the left posts.



Step 6 - Pull the cable ③ against the right end post, mark point A from the outside, and cut cable ③ on point A with a cable cutter ④.



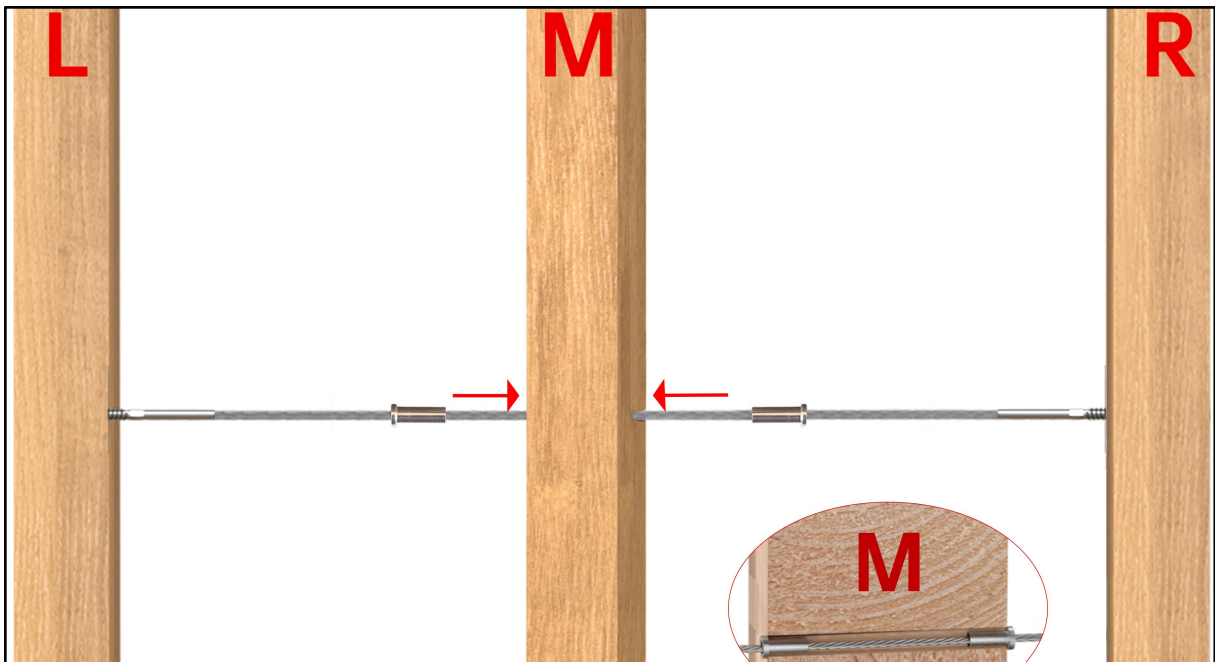
Step 7 - Mark and cut at B with cable cutter, which is 4 21/64" away from point A.



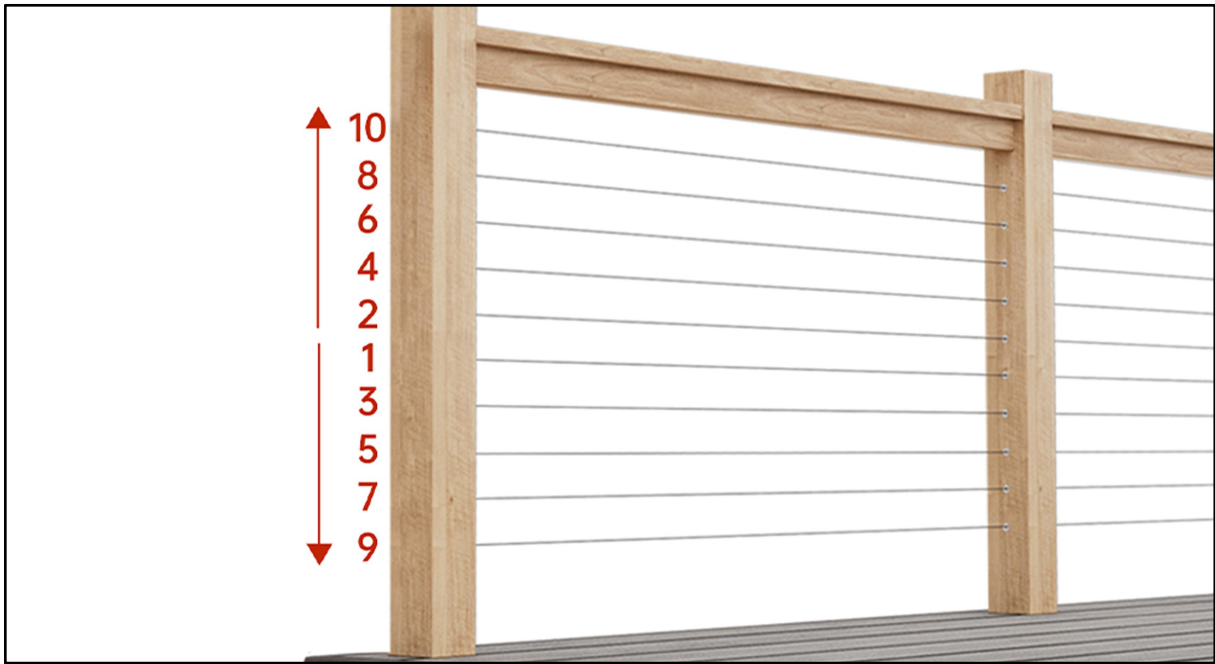
Step 8 - Swage tensioner ① with the hydraulic crimper ④.



Step 9 - Install the tensioner **1** with clamp and wrench on the right post.

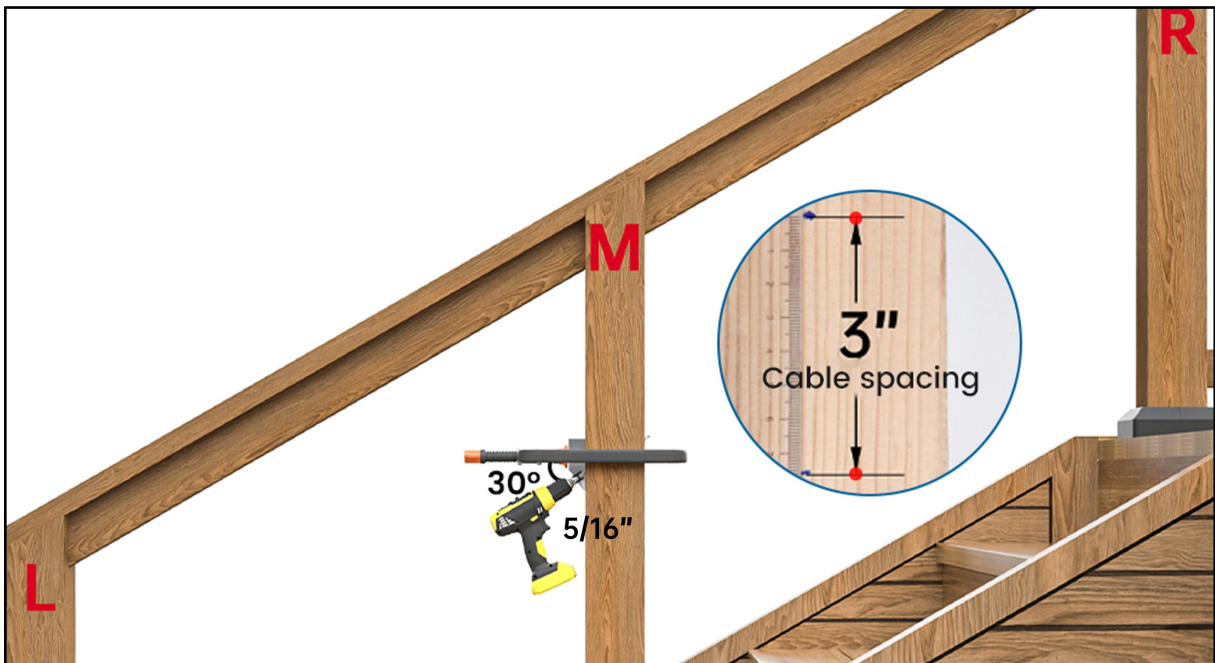


Step 10 - Install level protector sleeves **5**.

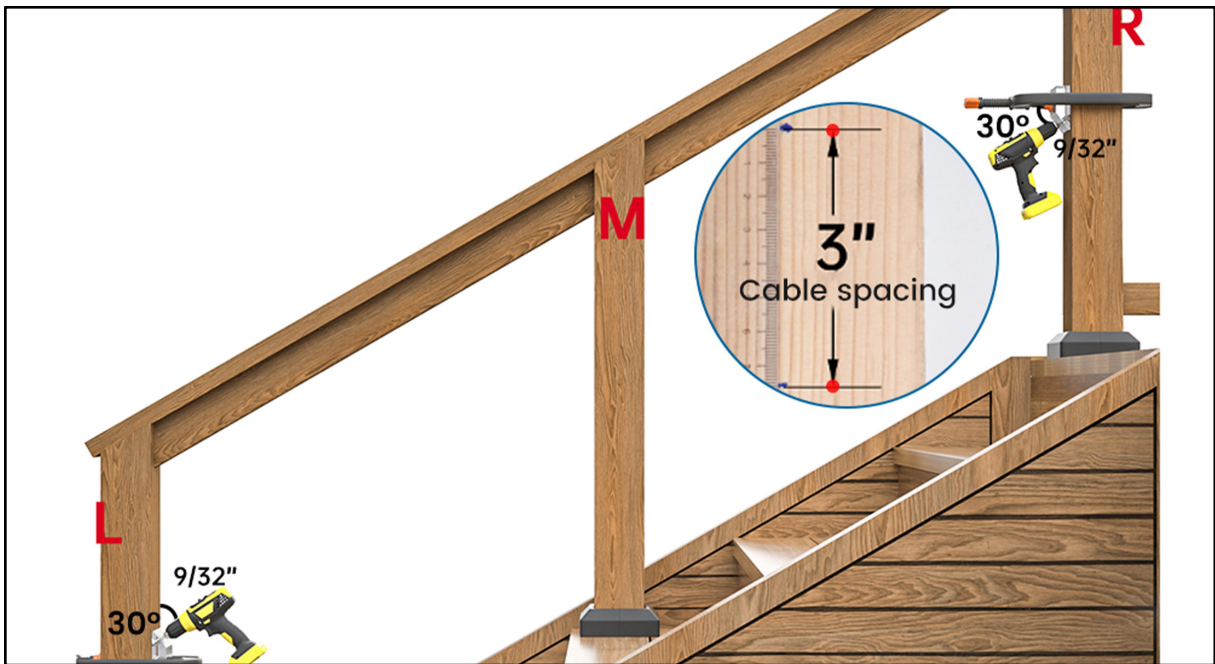


Step 11 - Follow the sequence to install other cable runs.

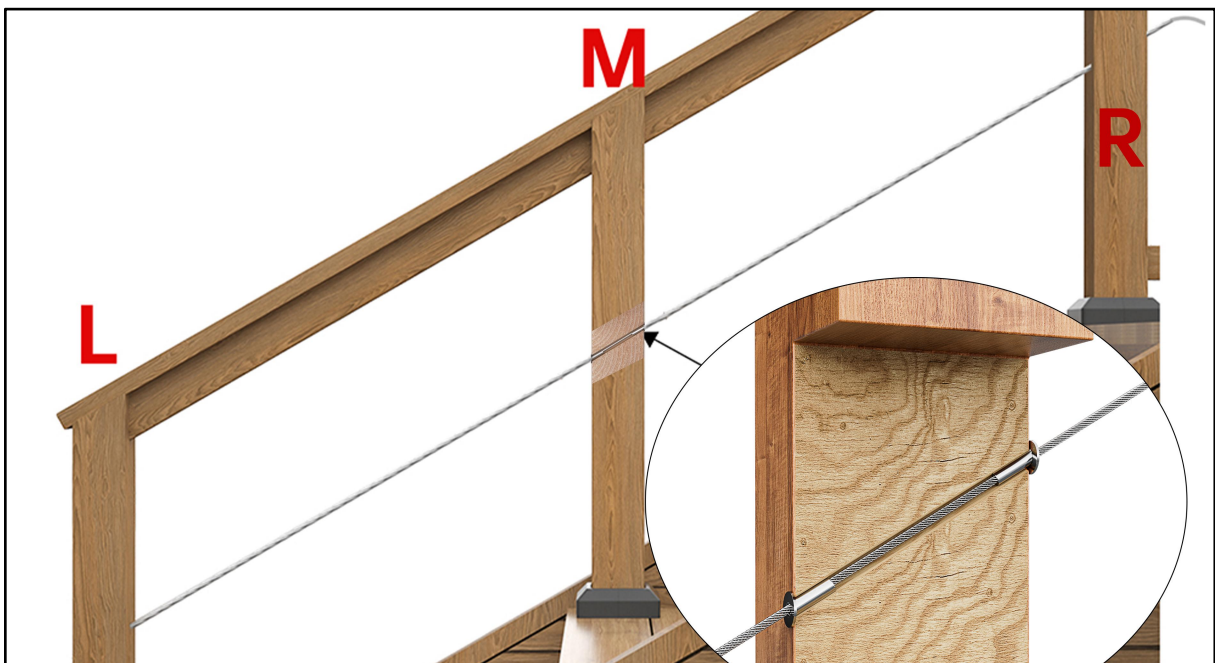
4.2 For angle railing



Step 1 - Locate hole positions, drill 30 degrees through holes with a 5/16" drill bit **10** on intermediate posts.



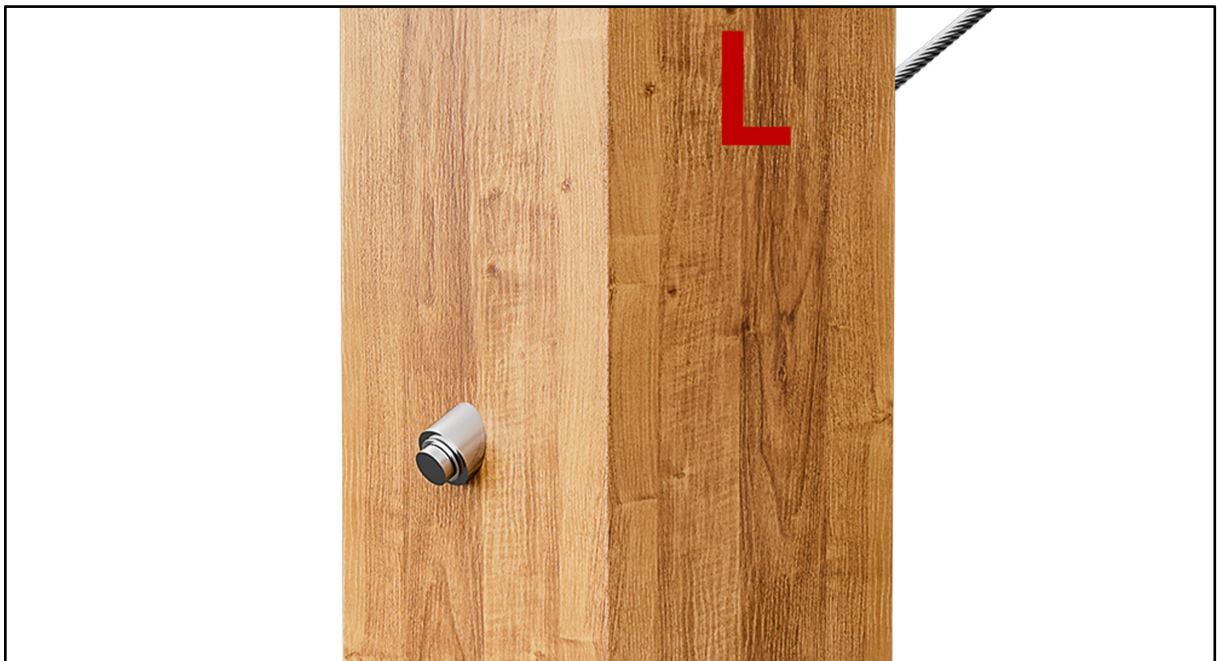
Step 2 - Locate hole positions, drill 30 degrees through holes with a 9/32" drill bit ⑨ on the left and right posts.



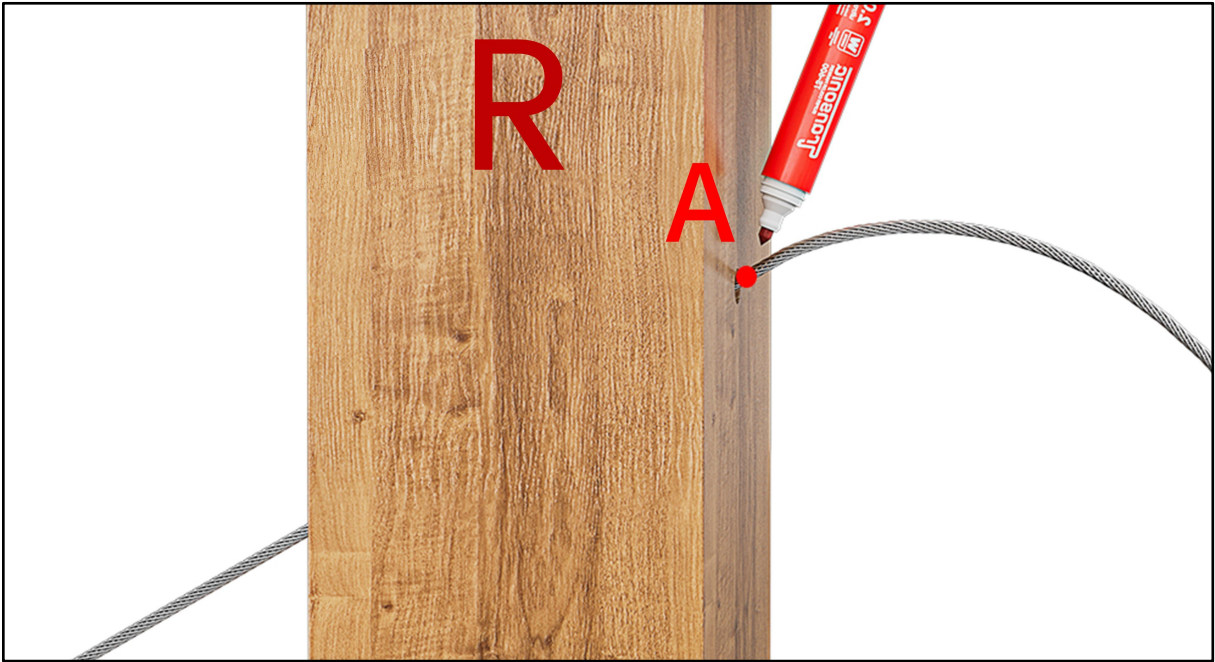
Step 3 - Pass the cable ③ from the right post to the left post, and put in angle protector sleeves ⑥ on both sides of all intermediate posts.



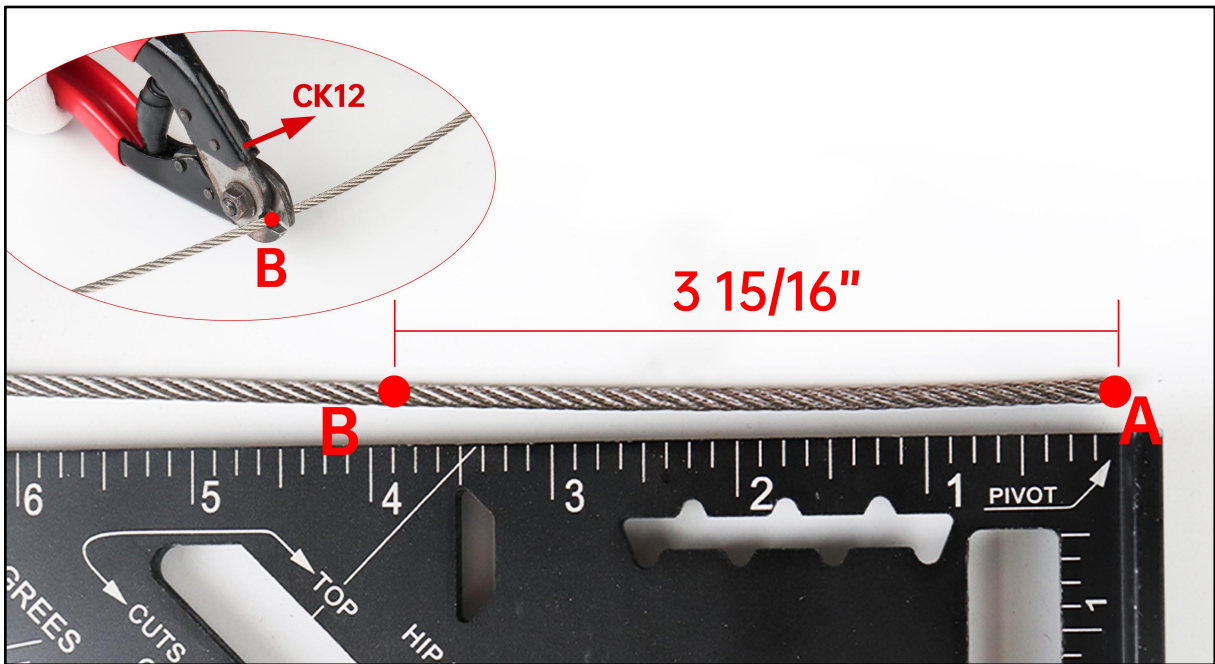
Step 4 - Put in angle washer **7** to the fixed end **2** and swage the fixed end with the hydraulic crimper **4**.



Step 5 - Install the fixed end **2** to the left posts.



Step 6 - Pull the cable ③ against the right end post, mark point A from the outside, and cut cable ③ on point A with a cable cutter ④.



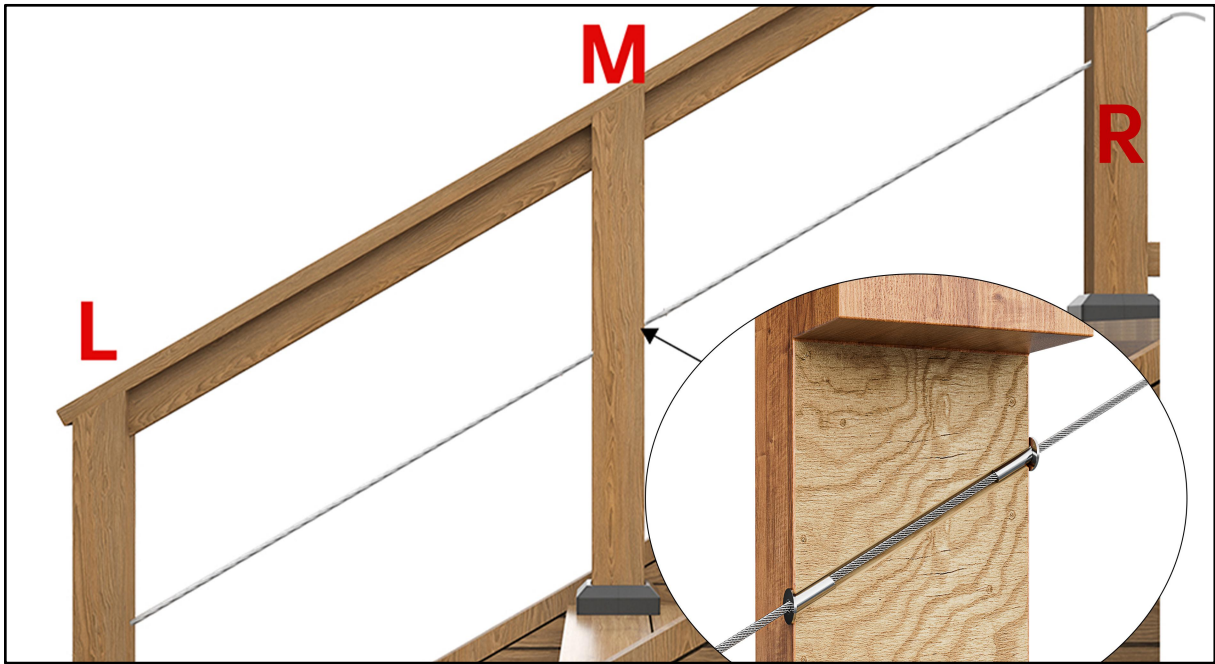
Step 7 - Mark and cut at B with cable cutter, which is $3 \frac{15}{16}$ " away from point A.



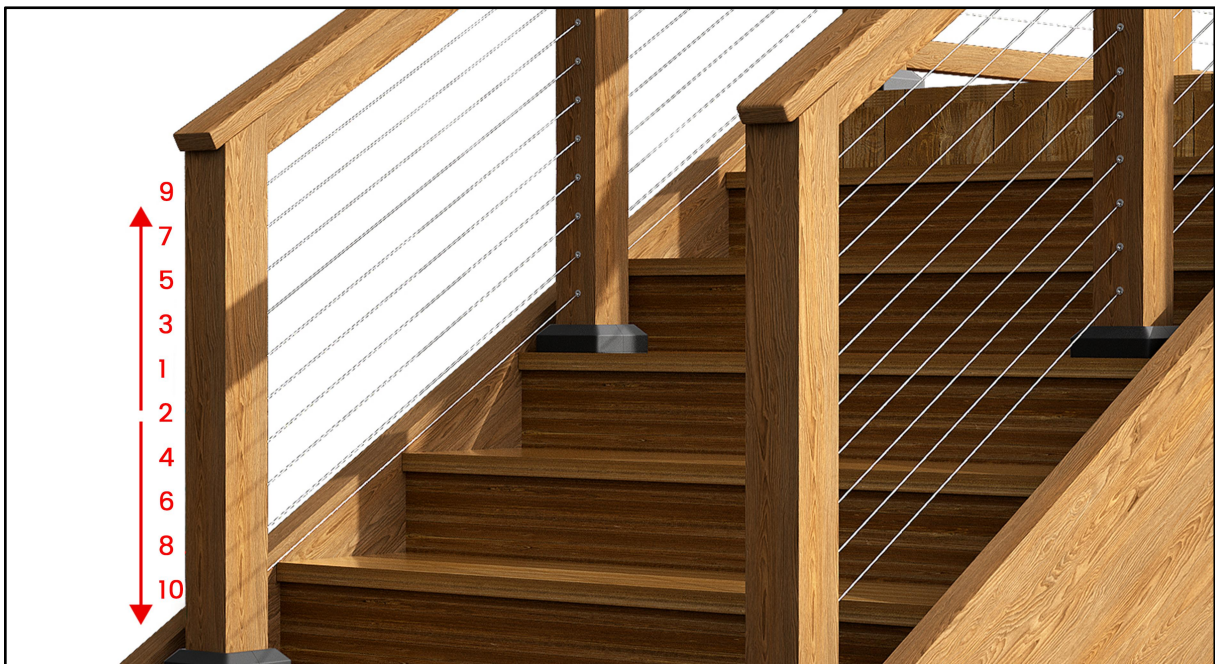
Step 8 - Swage tensioner **1** with the hydraulic crimper **4**.



Step 9 - Put in angle washer **7** , Install the tensioner **1** with clamp and wrench on the right post.



Step 10 - Install angle protector sleeves **6**.



Step 11 - Follow the sequence to install other cable runs.

Please note that installation videos are available on our product pages for further details if needed.

5. Tips

- (1) Ensure that your posts and handrail are properly installed before your start cable installation.
- (2) You might have to buy a few more materials than expected in case some materials might not be reusable after operation mistakes.
- (3) The recommended post spacing between two wood posts is 4ft-6ft, no more than 6ft.
- (4) The overall height of the railing (includes handrail) should be equal or higher than 36" to meet residential building codes of most states.
- (5) 3" cable spacing and 200 lbs tension on each cable line is recommended in order to pass the 4" sphere test (required by some states). You can buy a tension gauge online or from local stores.

6. Free design service

We offer custom cable railing design service for free. If you are a beginner or not sure about how to do it, please reach us. Our experts can do all the planning, designing and budget work for you without extra charge.

7. About Muzata

MUZATA has helped millions of families with their cable railing projects during the past years. We believe that home renovation should be easy and affordable. So we work with every effort to provide quality products and professional service, to make Muzata a reliable brand.

Follow us



@Muzata railing



@muzata_official



@muzata_official



@muzata_official