



CB40

User Guide

1602005(230706)

1. Overview

Muzata CB40 is a beginner-friendly cable railing tensioner. With our patent design of invisible flattened tail and thinner head, you can hide the ugly swaged end inside the metal post to get a neat appearance and get enough tension to pass 4" sphere test to meet code compliance with the help of customized socket wrench Muzata CT16. It's suitable for 2"x2" metal posts and applicable for both level and angled sections.

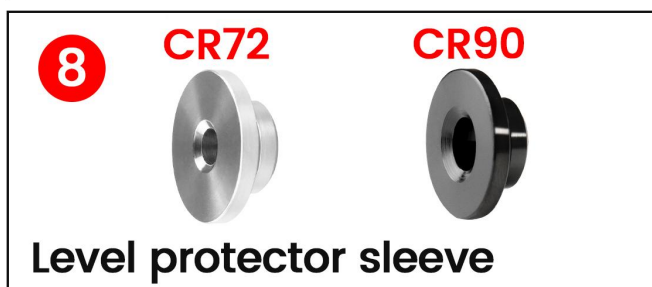
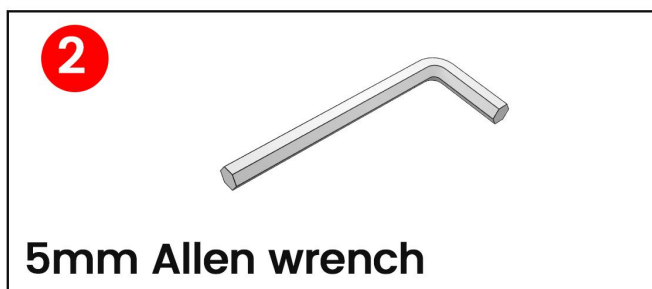
2. Specifications



Model	Material	Size for wire rope	Surface treatment/Finish
CB40	T316 stainless steel	1/8"	Natural /Black

3. Items related

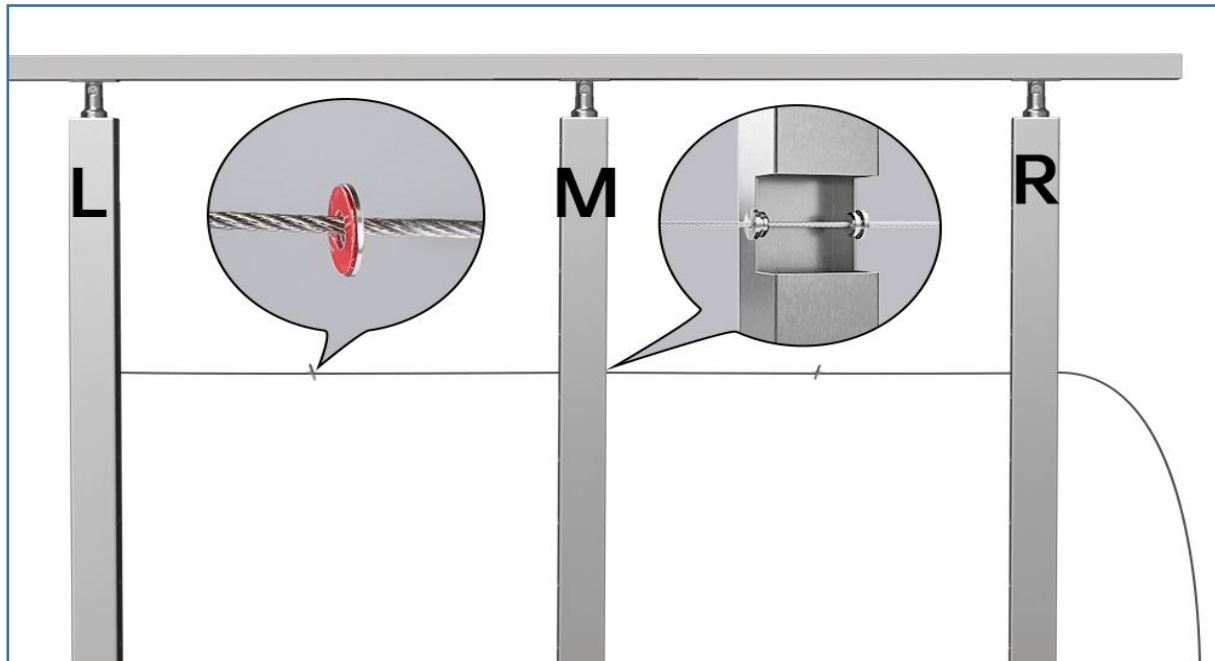
Listed below are all of the accessories and tools related to the Muzata CB40. Please note that not all items are essential. Some may not be included in your package. If you need them, you may need to purchase them separately. Please select the appropriate color of the product by the color design of your project.



4. Installation steps

We will install the tensioner on the right end post as an example. Actually you can install it on either side according to your need.

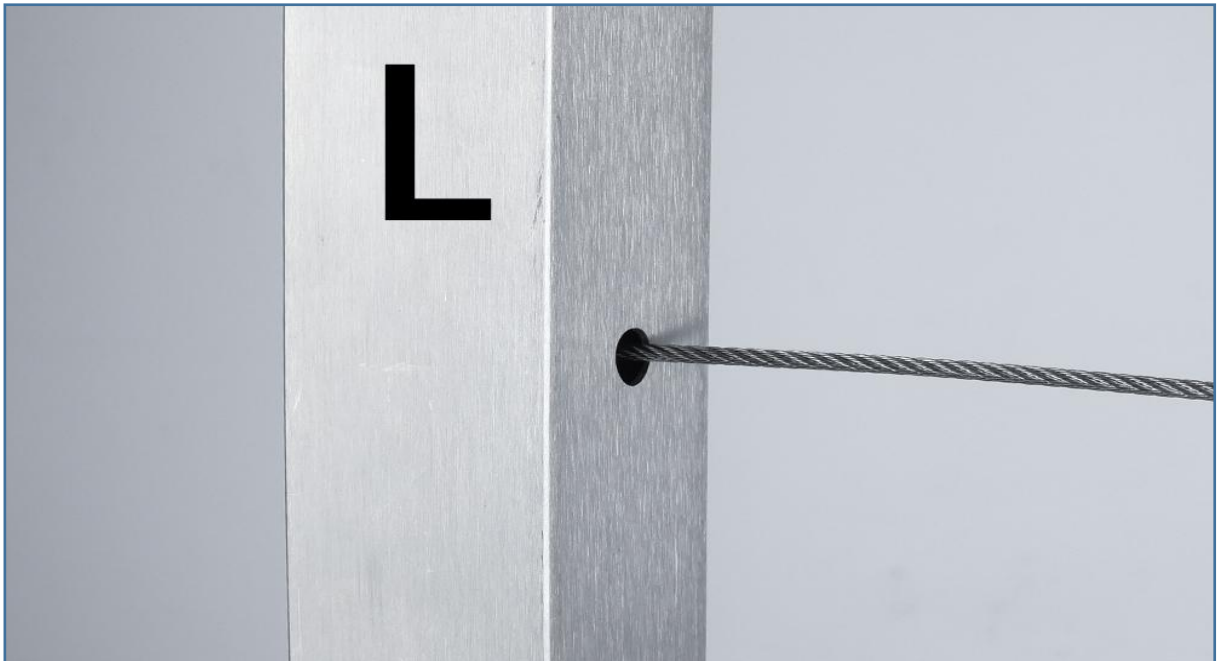
4.1 For level railing



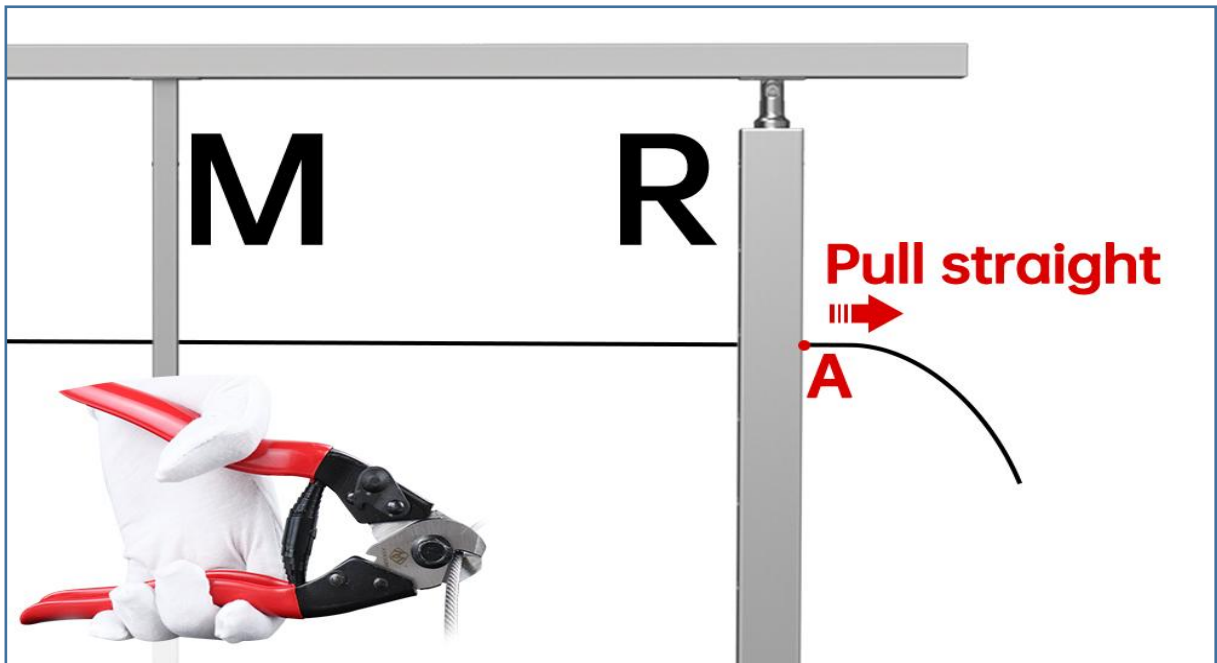
Step 1 - While pass the cable **3** from the right post to the left post, put in adhesive washers **6** for end posts and level protector sleeves **8** for intermediate posts.



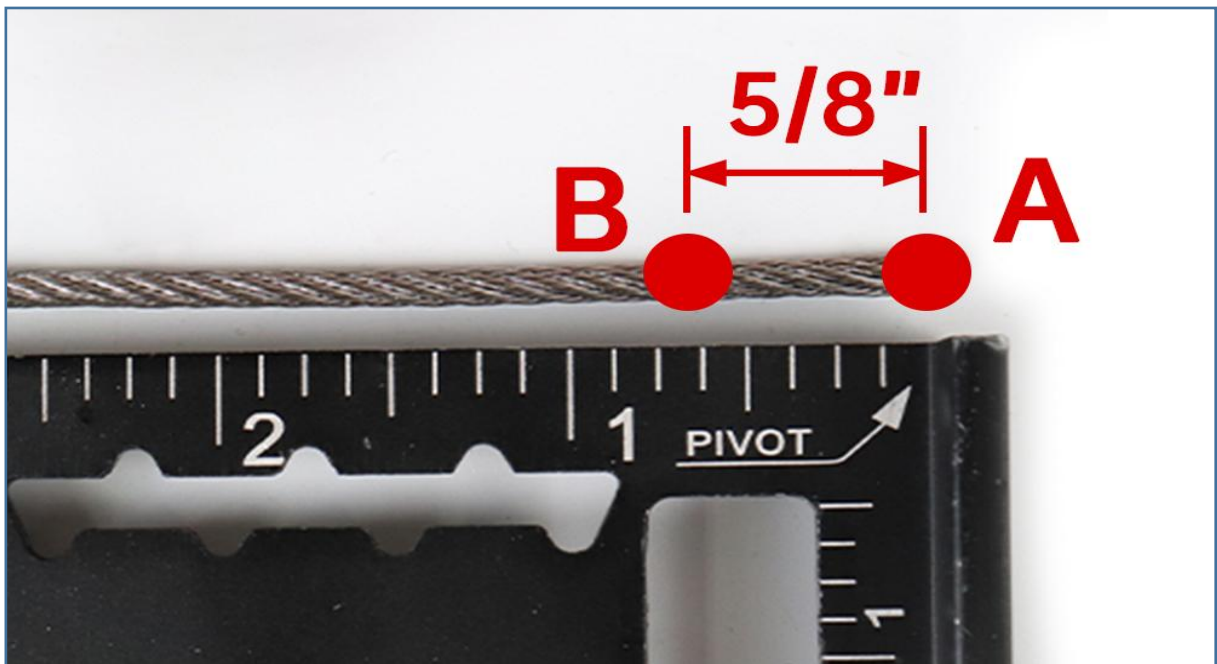
Step 2 - Swage the fixed end **1** with hydraulic crimper **4**.



Step 3 - Install fixed end **1** on the left end post.



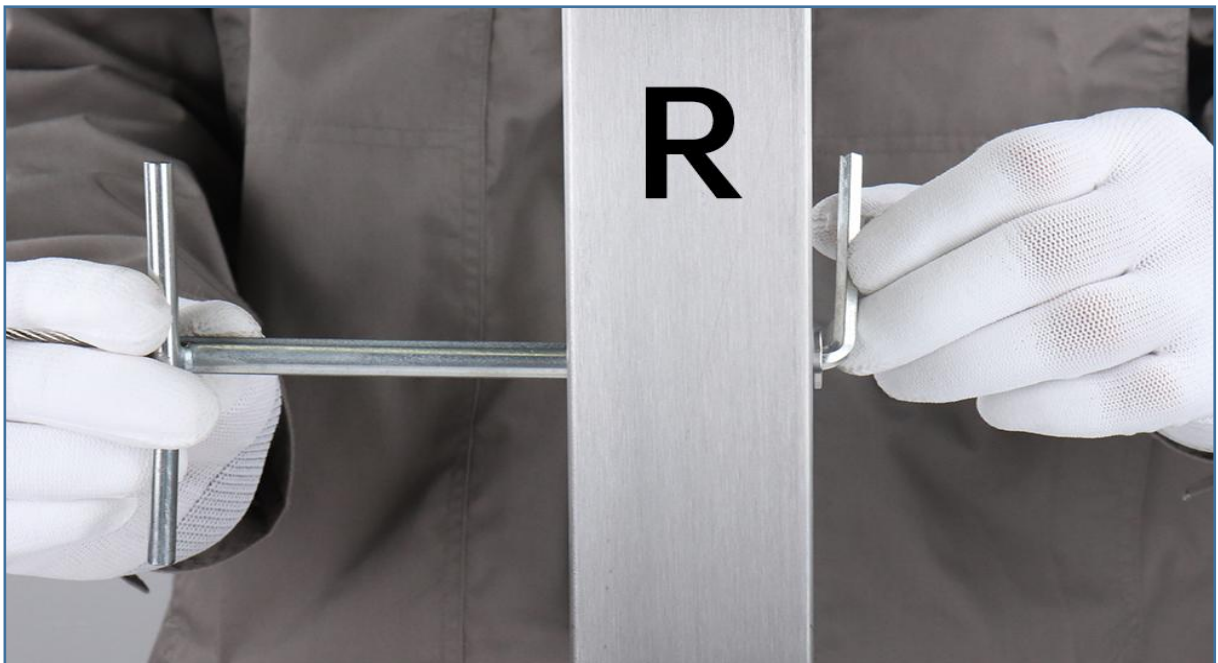
Step 4 - Pull the cable against the right end post, mark point A from the outside, and cut cable at point A with cable cutter ④.



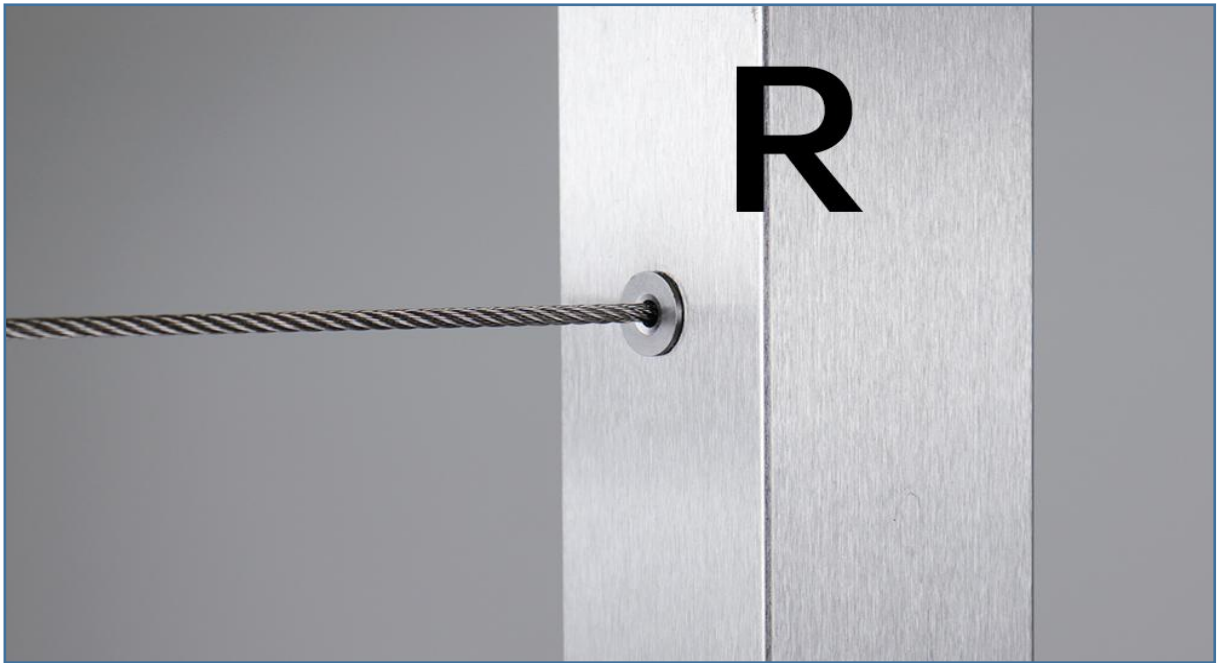
Step 5 - Mark and cut at point B with cable cutter ④, which is 5/8" away from point A.



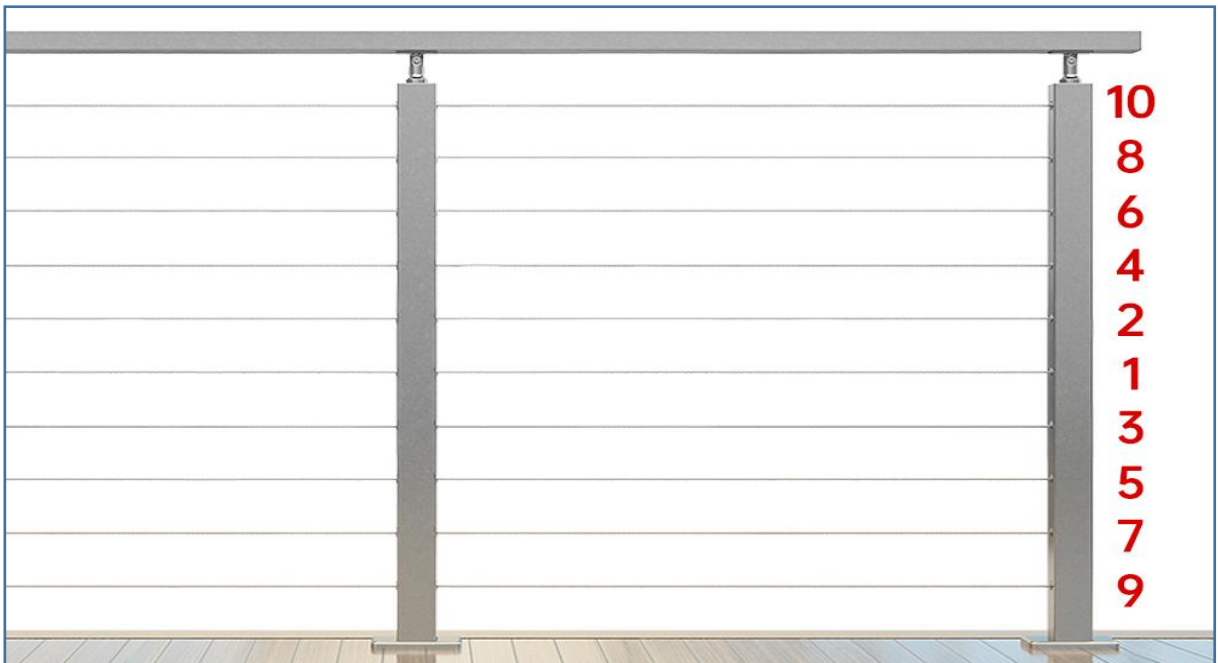
Step 6 - Swage tensioner **1** and cable with hydraulic crimper **4**.



Step 7 - Tighten the tensioner **1** with an allen wrench **2** and socket wrench **5** on the right end post.

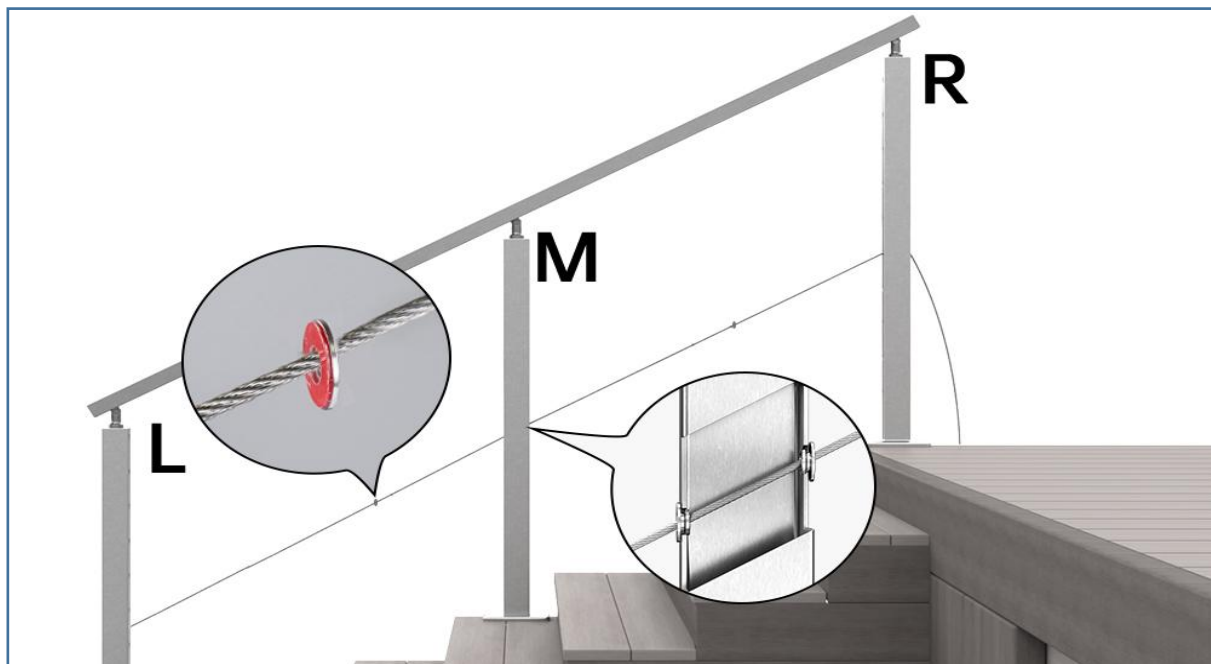


Step 8 - Install adhesive washers ⑥.

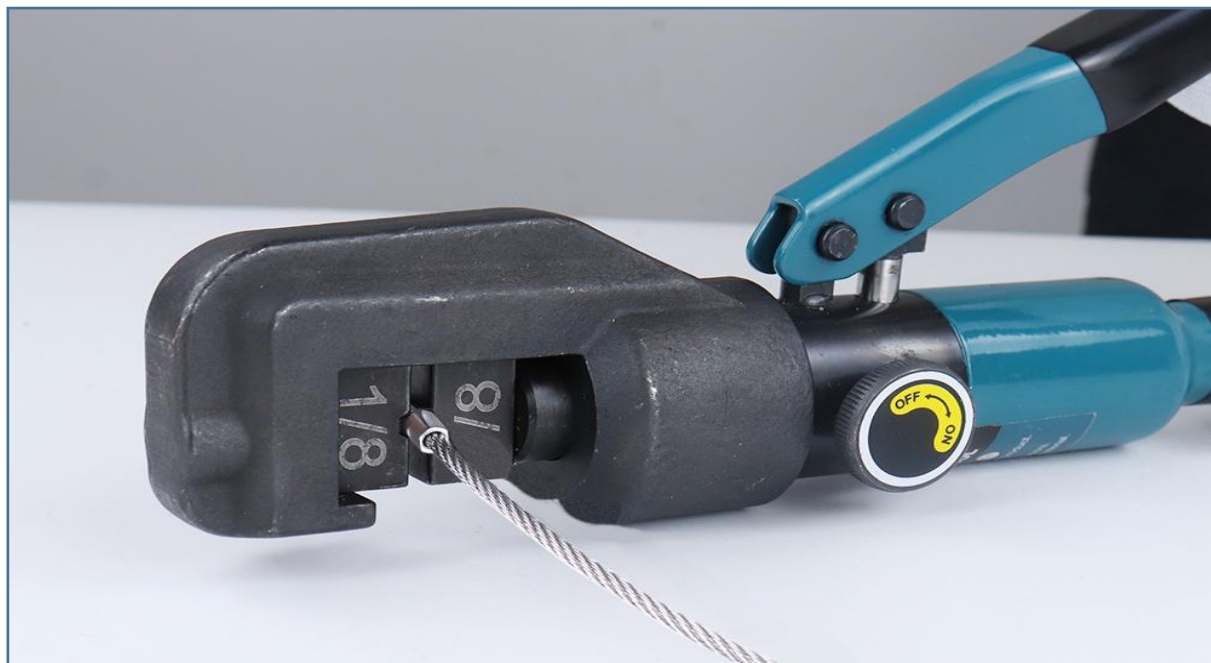


Step 9 - Follow the sequence to install other cable runs.

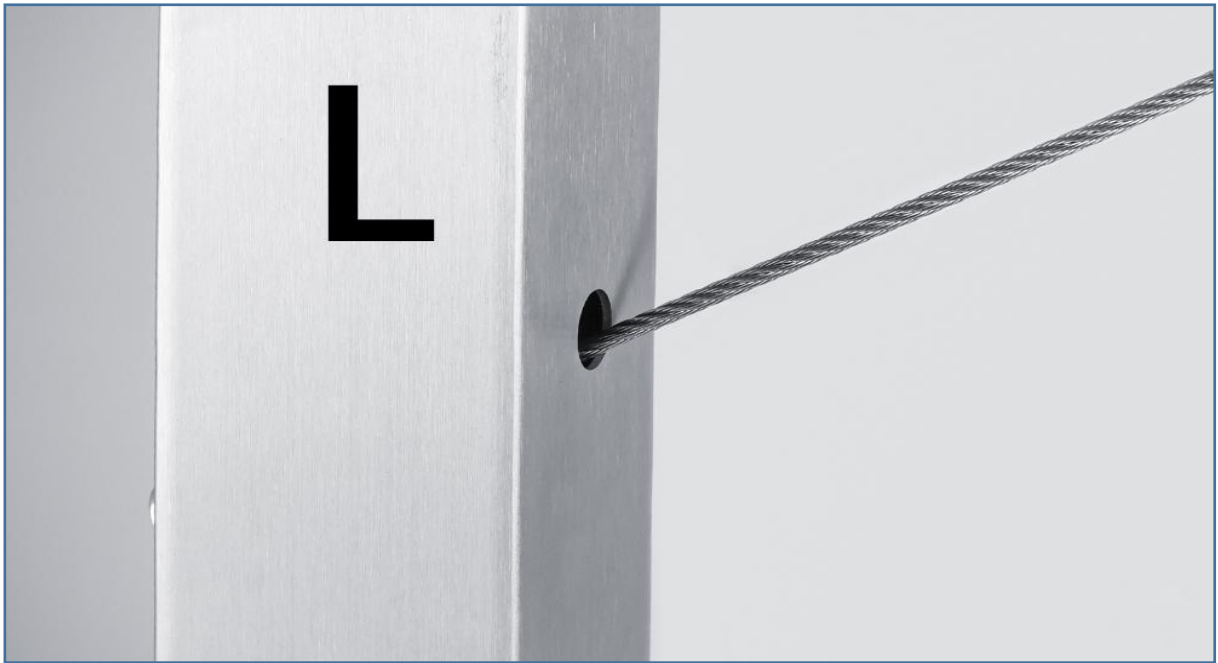
4.2 For angle railing



Step 1 - While pass the cable **3** from right post to the left post, put in adhesive washers **6** for end post and angle protector sleeves **9** for intermediate posts.



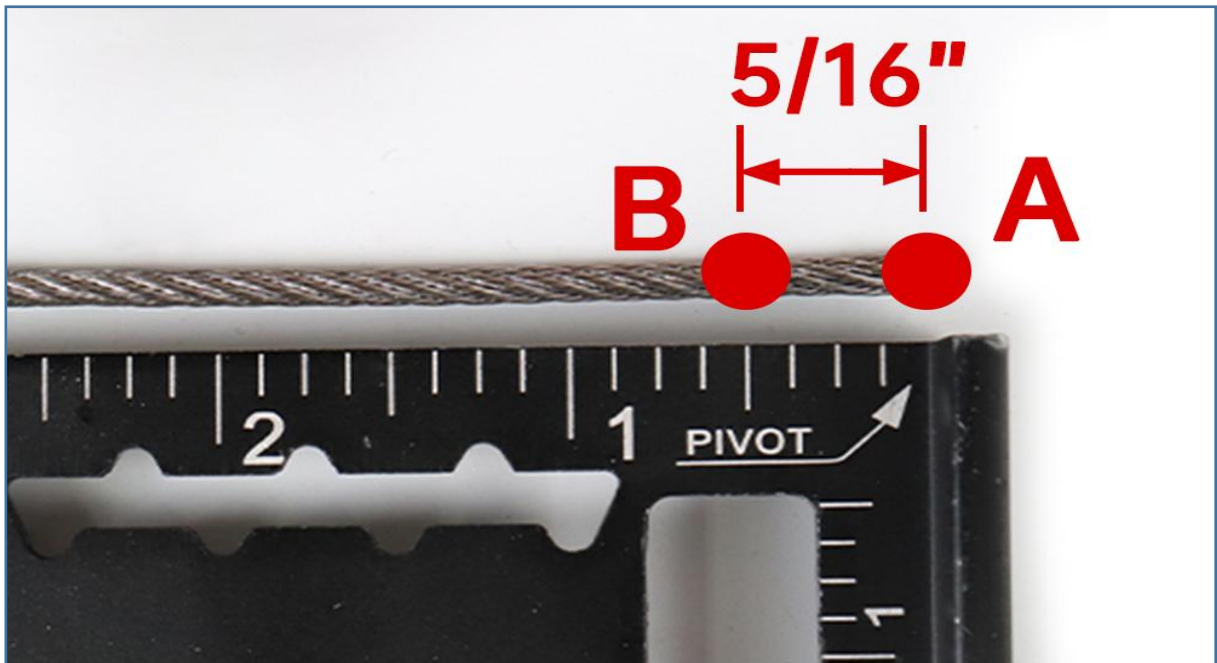
Step 2 - Swage fixed end **1** with hydraulic crimper **4**.



Step 3 - Install fixed end **1** on the left end post.



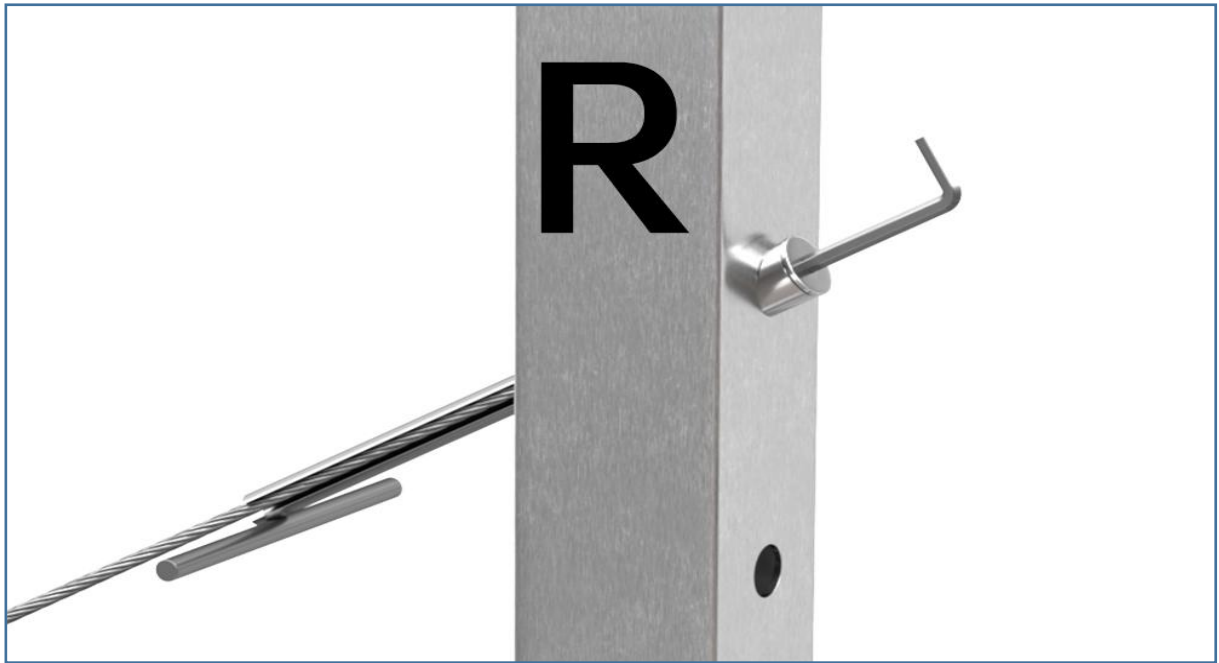
Step 4 - Pull the cable against the right end post, mark point A from the right side, and cut cable on point A with cable cutter **4**.



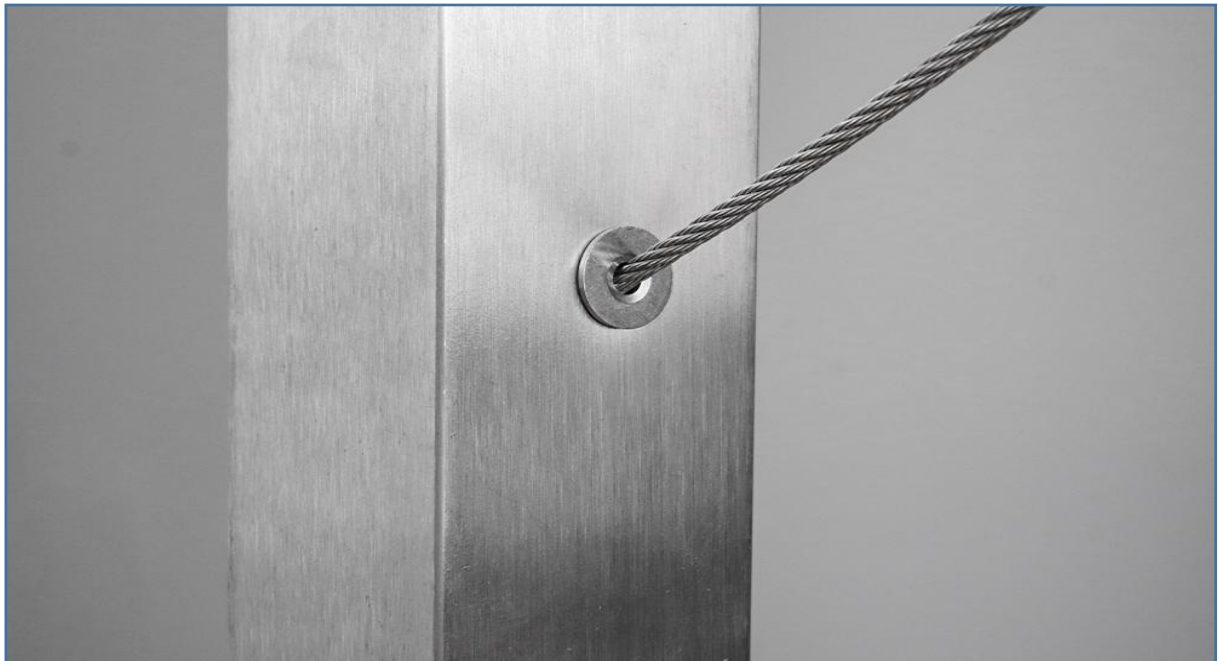
Step 5 - Mark and cut at B with cable cutter **4**, which is 5/16" away from point A.



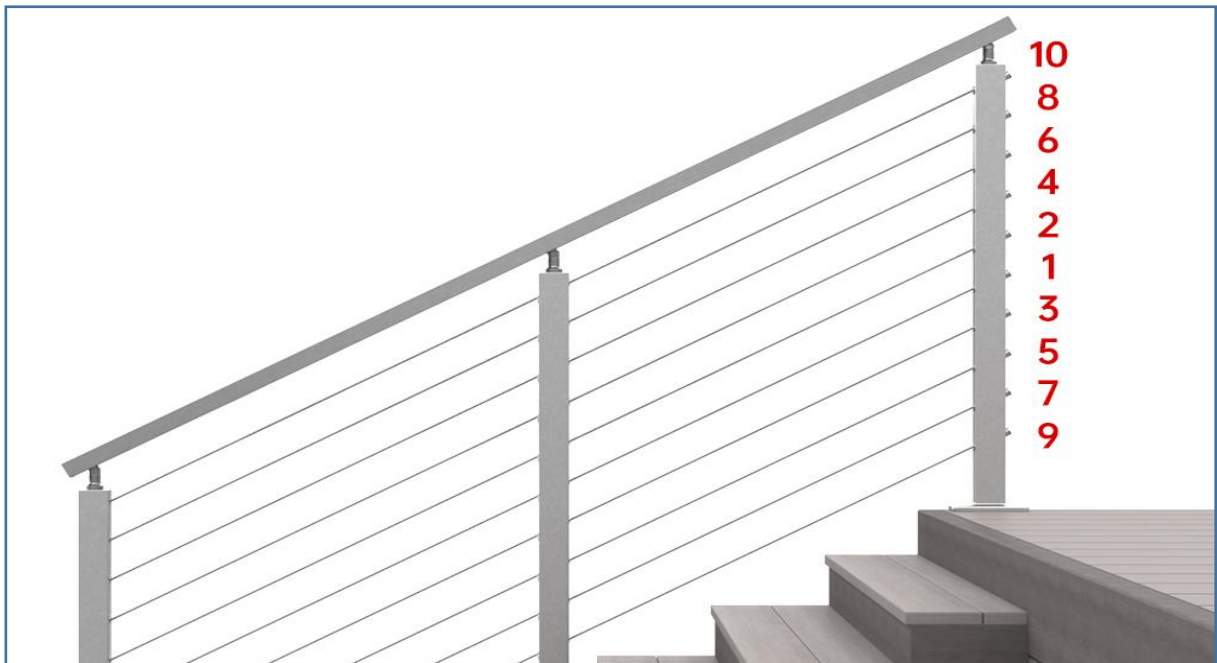
Step 6 - Swage tensioner **1** and cable with hydraulic crimper **4**.



Step 7 - Put in angle washer **7**, tighten the tensioner with an allen wrench **2** and socket wrench **5** on the right end post.



Step 8 - Install adhesive washers **6** .



Step 9 – 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 extra materials than expected in case some materials might not be reusable after operation mistakes.
- (3) The recommended post spacing between two posts is 3ft-4ft, no more than 4ft. For our 6'6" handrails, it would be best to adopt 3'3" post spacing.
- (4) The overall height of the railing, which is the structure of post and handrail, should be equal or higher than 36" to meet the 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 services 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.

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