



# CR26

## User Guide

1600719(230817)

# 1. Overview

Muzata CR26 is an upgraded invisible cable railing kit. With our patent designs of the invisible flattened tail and thinner head, you can hide the ugly swaged end inside the wood post to get a neat appearance and get enough tension to pass the 4" sphere test to meet code compliance with the help of customized socket wrench Muzata CT16. It's suitable for 2"x2" 4"x4" wood or metal posts and applicable for both level and angled sections.

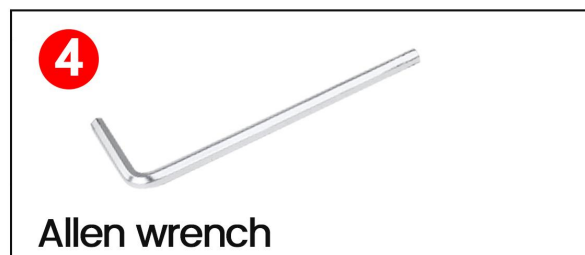
# 2. Specifications



<b>Model</b>	<b>Material</b>	<b>For wire rope size</b>	<b>Finishing</b>
CR26	T316 Stainless Steel	1/8"	Natural/Black coated

### 3. Items related(Wood system)

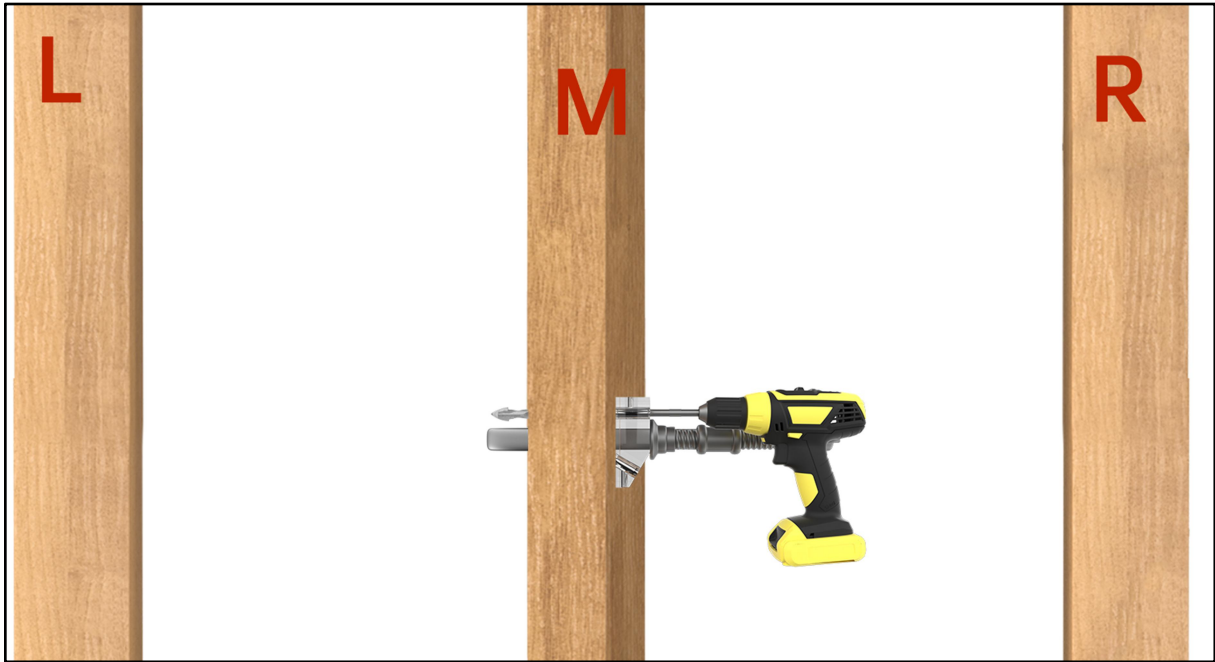
Listed below are all of the accessories and tools related to the Muzata CR26. Please note that not all items are essential. Some may not be included in your package. If you need them, you may need to purchase them separately. Please select the appropriate color of the product on the color design of your project.



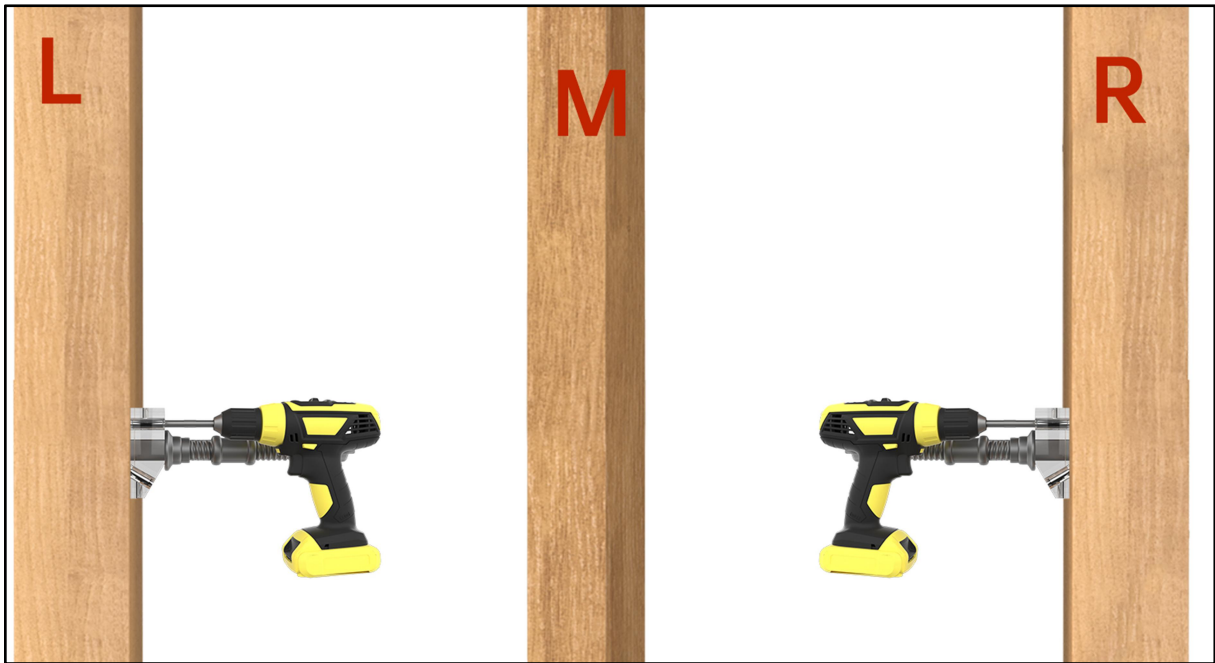
## 4. Installation steps

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

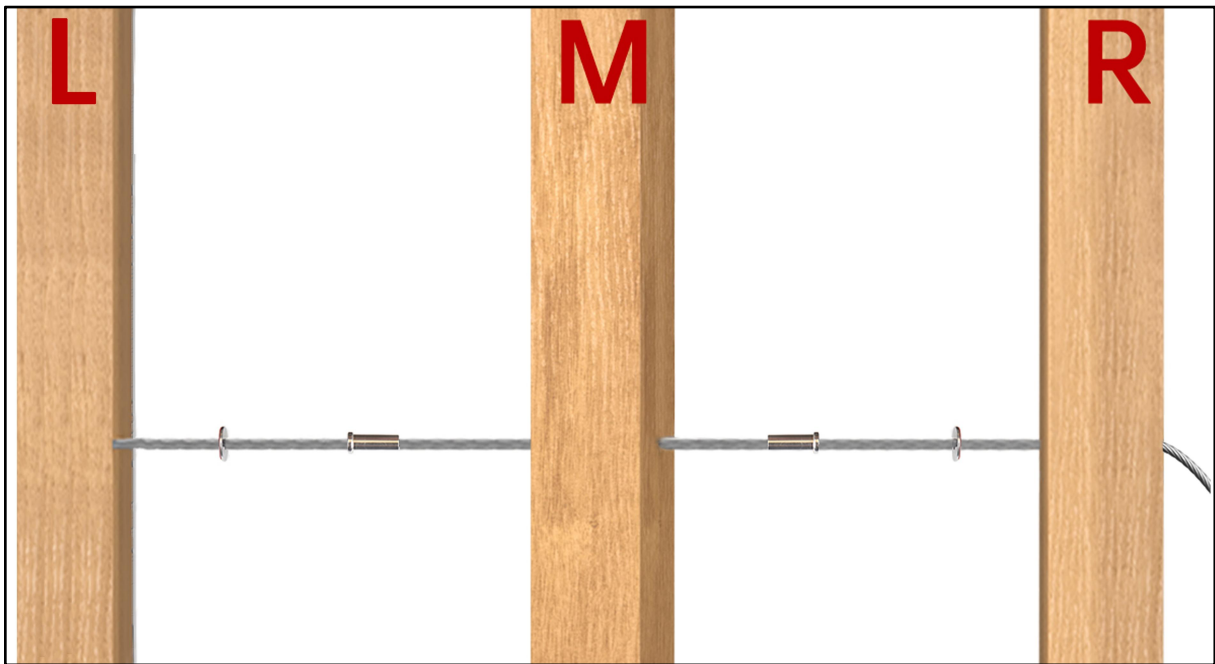
### 4.1 For level railing



**Step 1** - Locate hole position with drill guide **10** ; drill through holes on the intermediate posts with a 9/32" drill bit.



**Step 2** - Locate hole positions, drill through holes with drill guide ⑩ on right posts with a 13/32" drill bit, and drill through holes on left posts with a 1/4" drill bit.



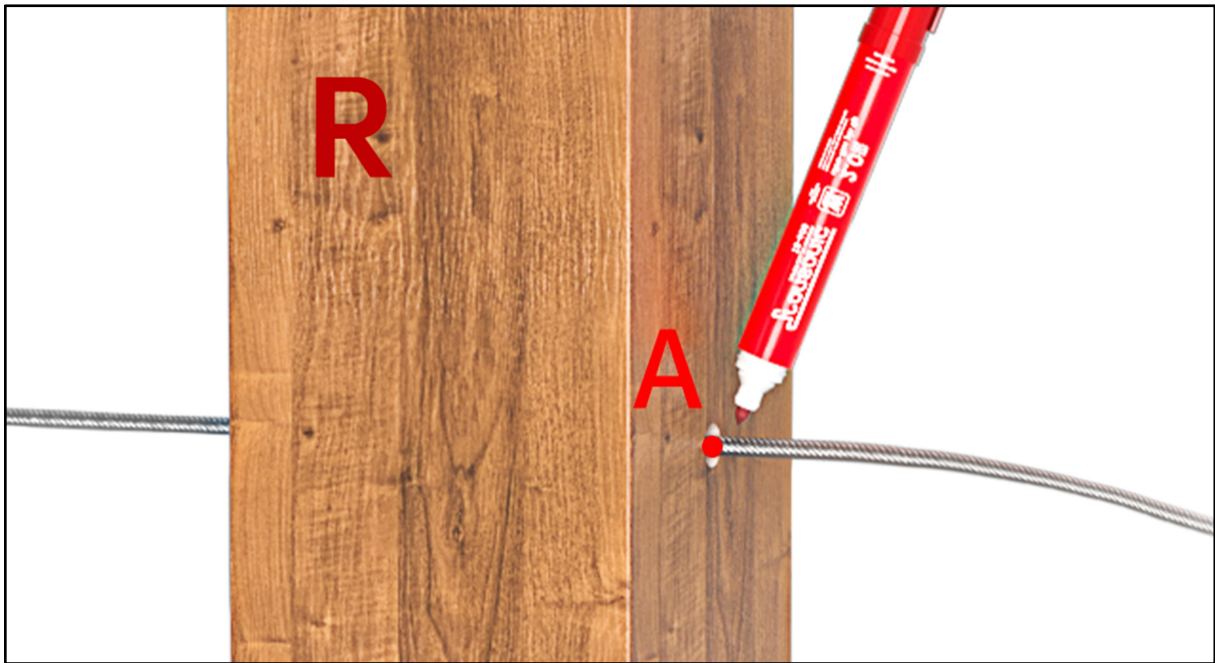
**Step 3** - While pass the cable ⑤ from the right post to the left post, put in the adhesive washers ⑨ for end posts and level protector sleeves ⑦ for intermediate posts.



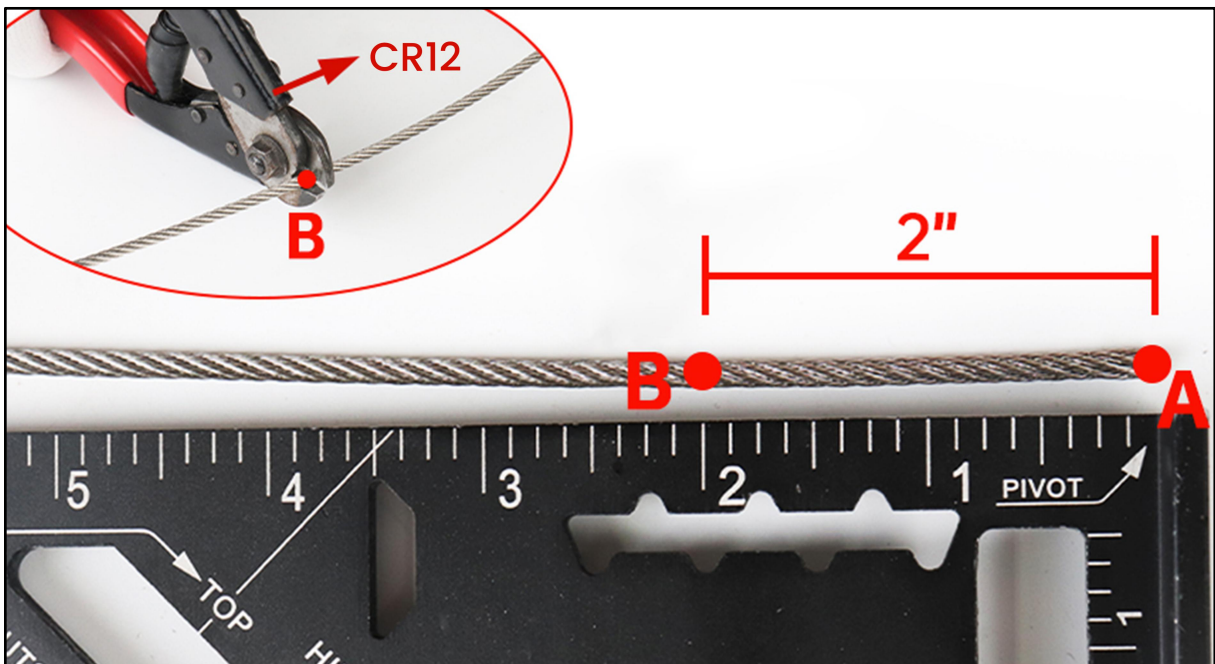
**Step 4** - Swage the fixed end **2** with the hydraulic crimper **6**.



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



**Step 6** - Tighten the cable ⑤ from the right end post, mark point A from the outside and cut cable ⑤ on point A with cable cutter ⑥.



**Step 7** - Mark and cut at B, which is 2" away from point A with cable cutter ⑥.

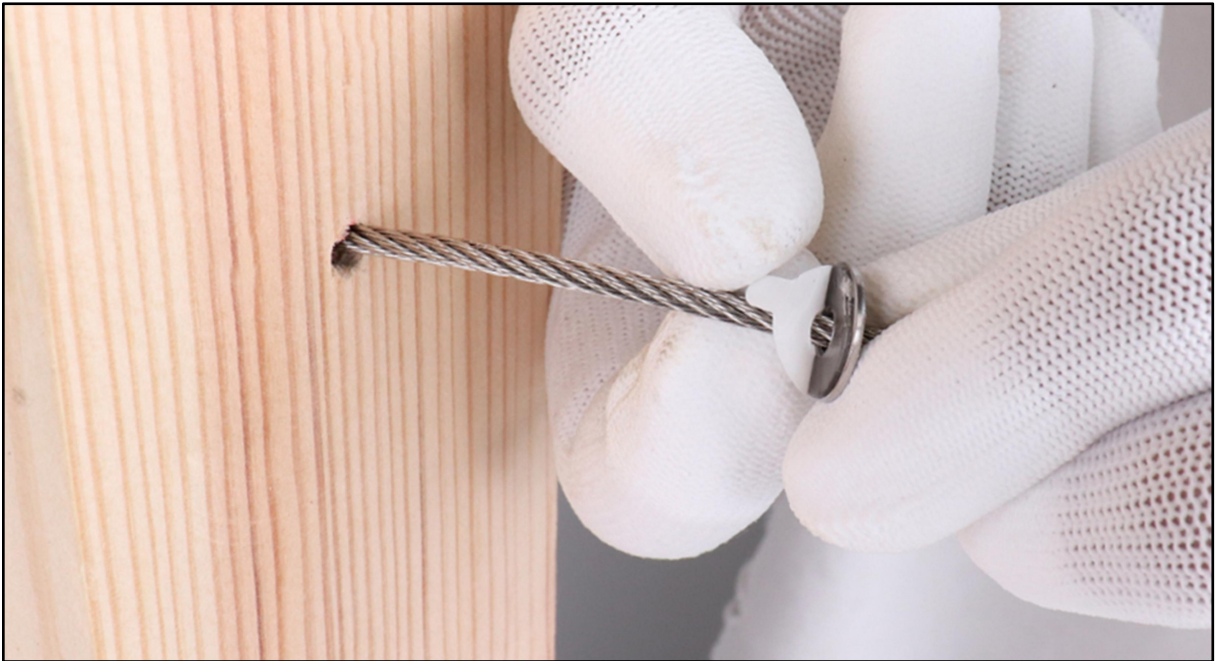


**Step 8** - Swage tensioner ① and wire rope with hydraulic crimper ⑥.



**Step 9** - Tighten the tensioner ① with an Allen wrench ④ and socket wrench ⑪ on the right end post.



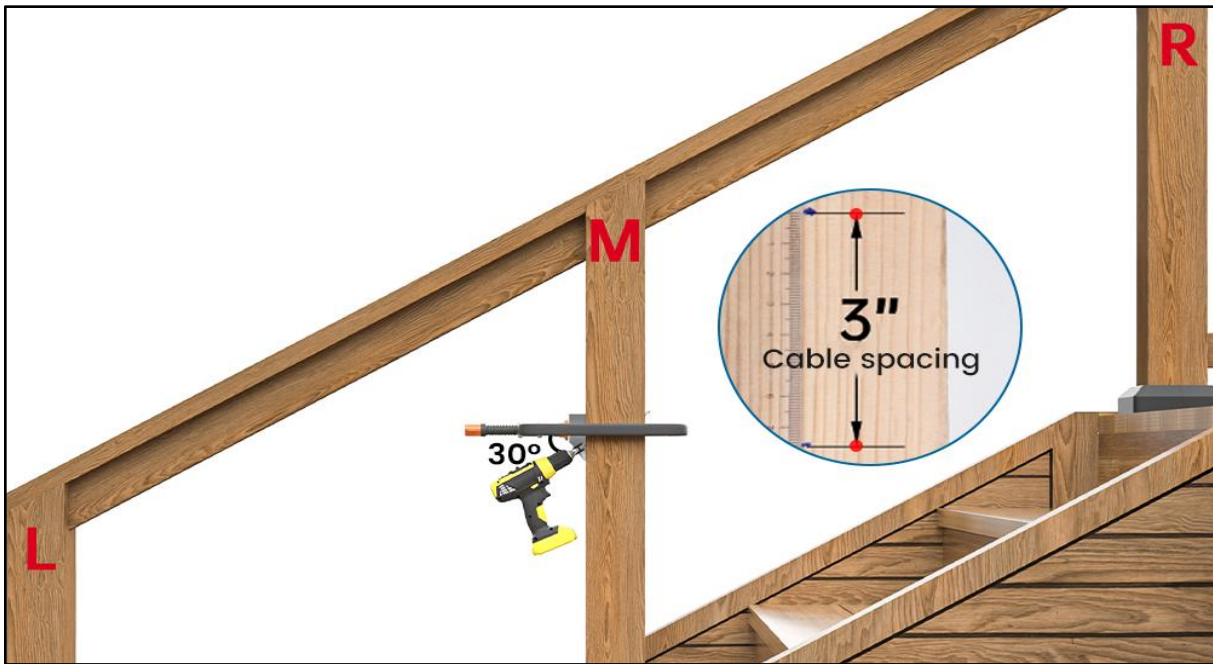


**Step 10** - Install the adhesive washers 9.

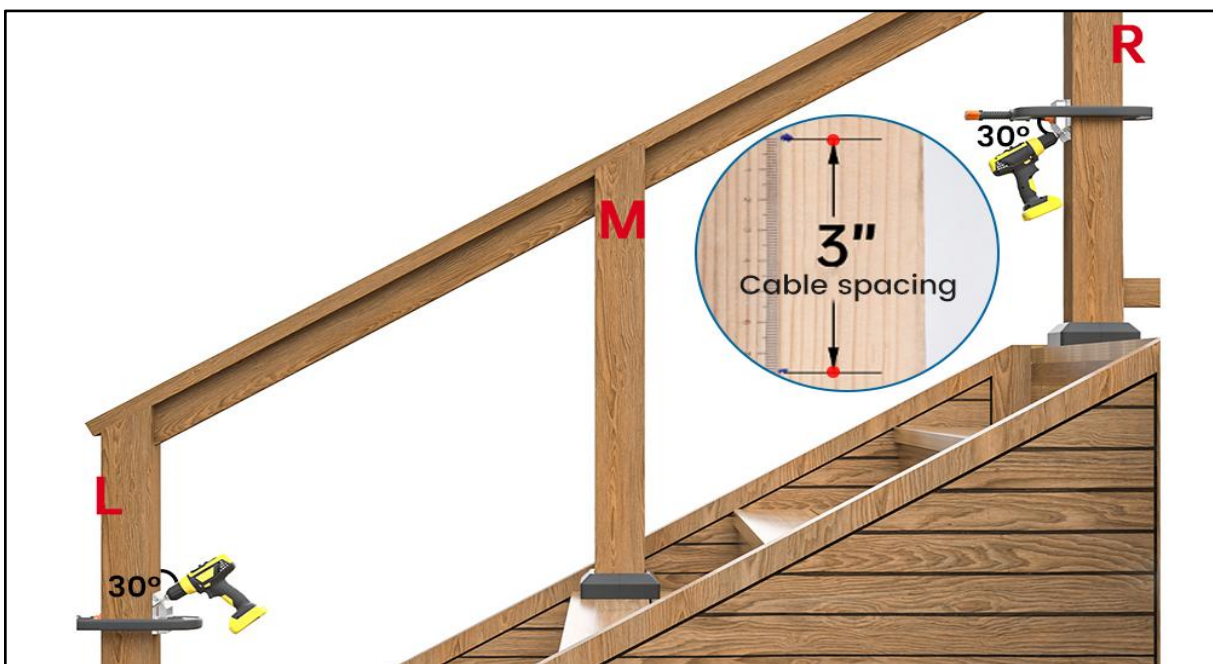


**Step 11** - Follow the sequence to install other cable runs.

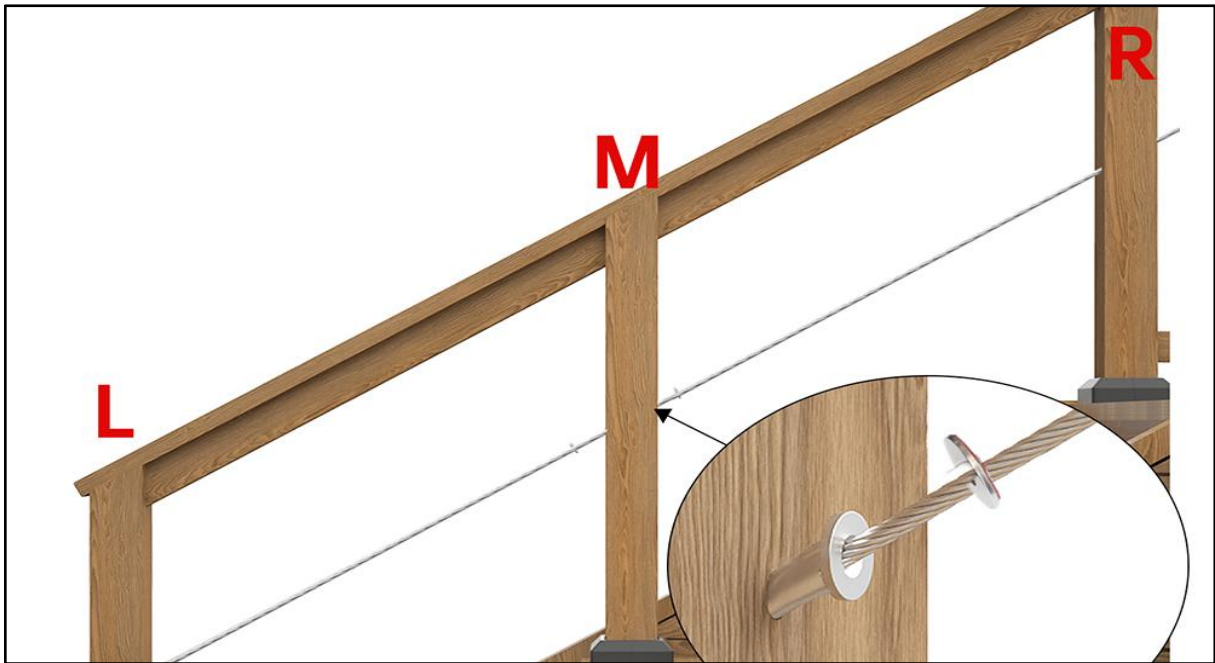
## 4.2 For angle railing



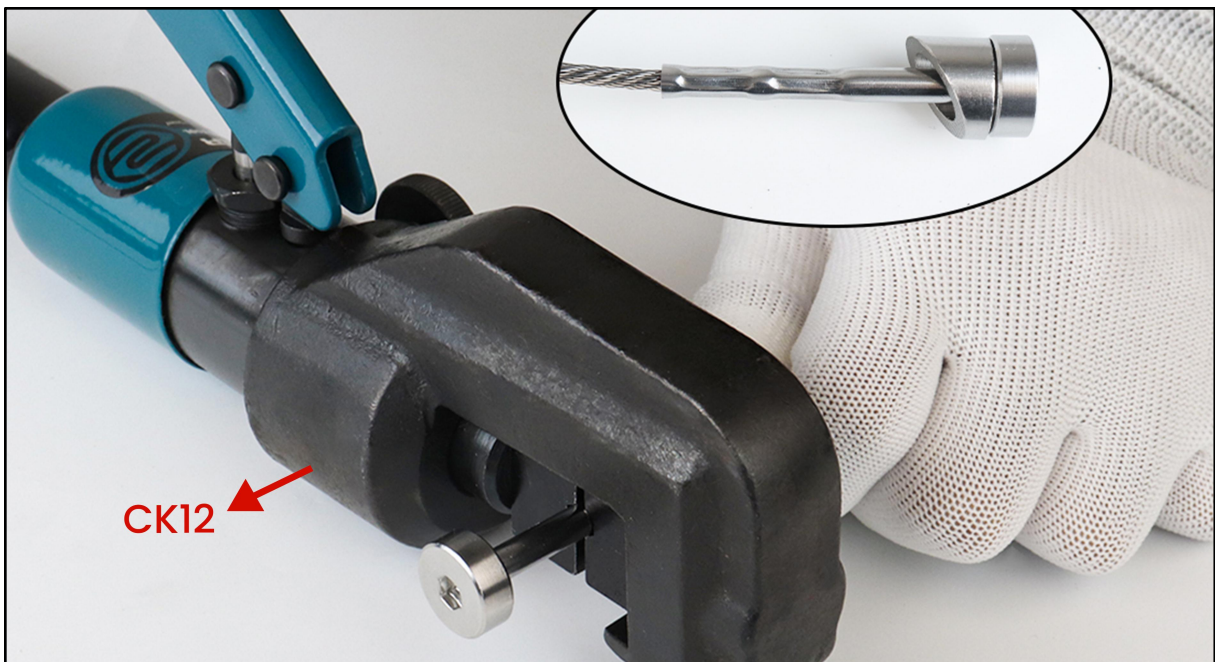
**Step 1** - Locate the hole positions and drill 30-degree hole with drill guide ⑩, drill through hole on intermediate posts with a 5/16" drill bit.



**Step 2** - Locate hole positions and drill 30-degree hole with drill guide ⑩; drill through holes on right posts with a 13/32" drill bit, and drill through holes on left posts with a 1/4" drill bit.



**Step 3** - While pass the cable ⑤ from the right post to the left post, put in adhesive washers ⑨ for end post and angle protector sleeves ⑧ for intermediate posts.



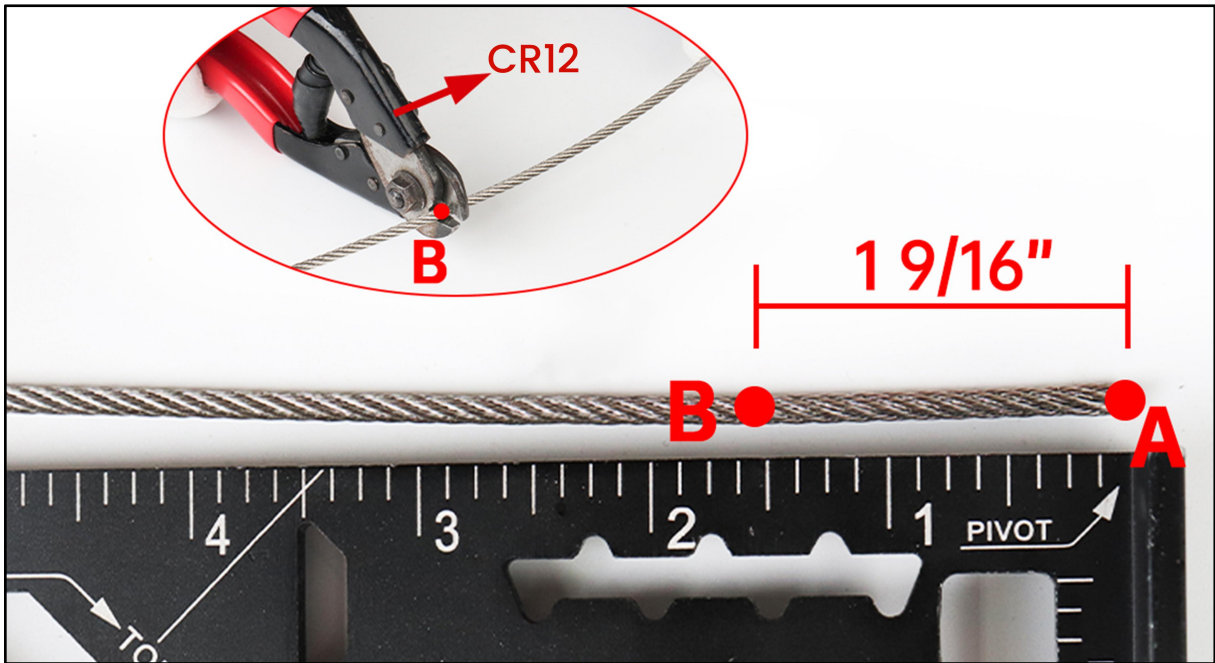
**Step 4** - Put in angle washer ③ before swaging fixed end ② with the hydraulic crimper ⑥.



**Step 5** - Install fixed end ② on the left end post.



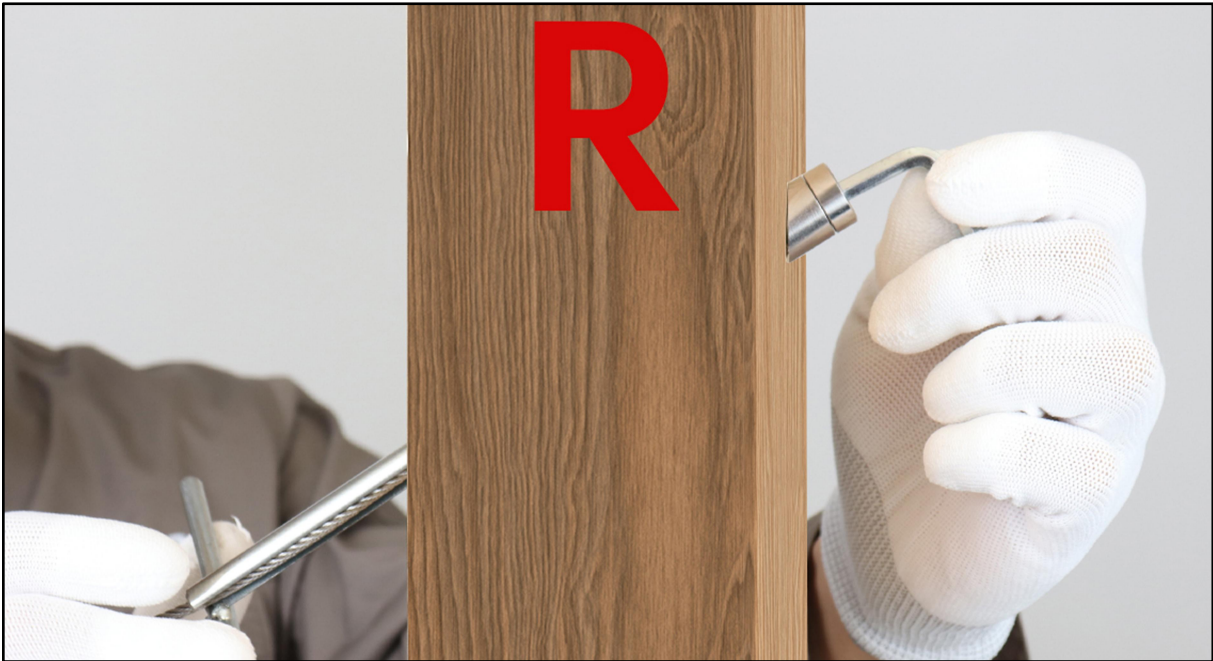
**Step 6** - Tighten the cable ⑤ from the right end post, mark point A from the outside, and cut cable on point A with cable cutter ⑥.



**Step 7** - Mark and cut at B with cable cutter **6**, which is  $1 \frac{9}{16}$ " away from A.



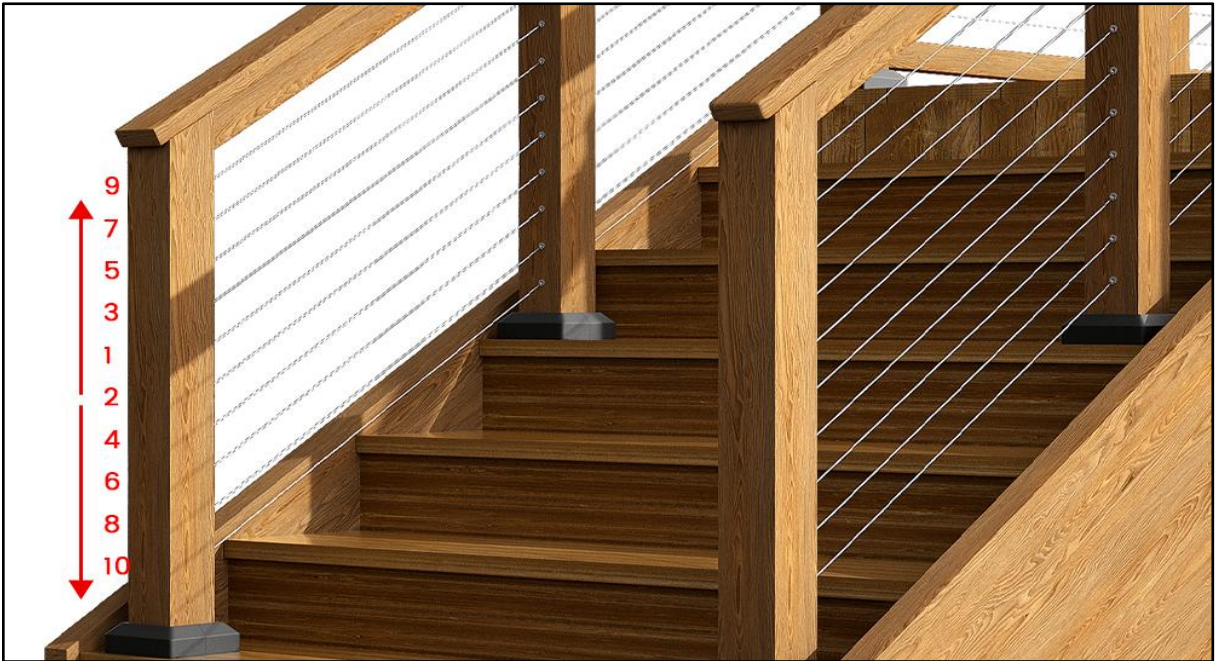
**Step 8** - Swage tensioner **1** and cable with hydraulic crimper **6**.



**Step 9** - Put in angle washer **3**, and tighten the tensioner **1** with an Allen wrench **4** and socket wrench **11** on the right end post.



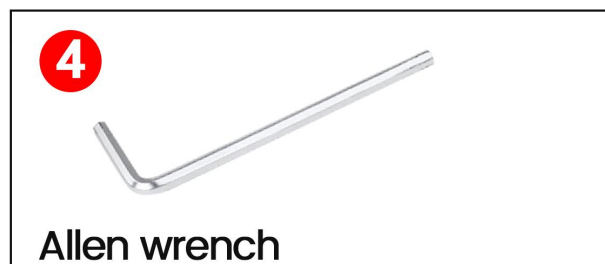
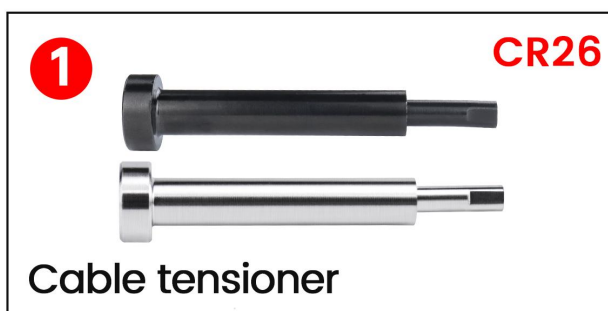
**Step 10** - Install the adhesive washers **9**.



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

# 5. Items related(Metal system)

Listed below are all of the accessories and tools related to the Muzata CR26. 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.

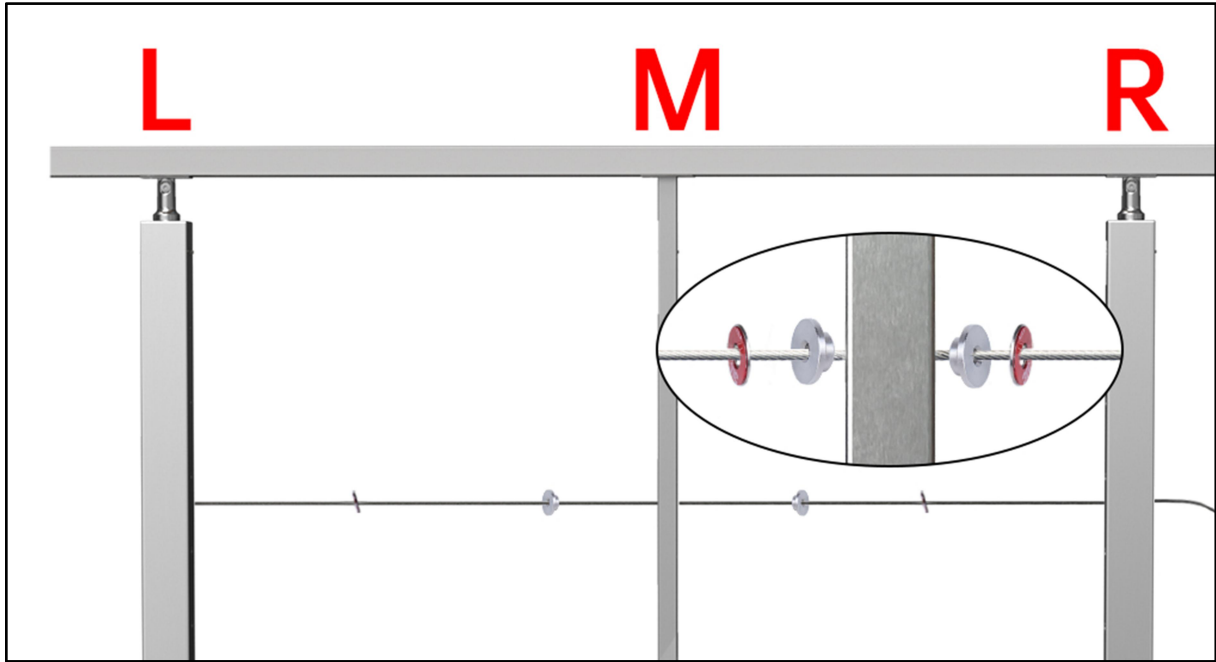




## 6. Installation steps

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

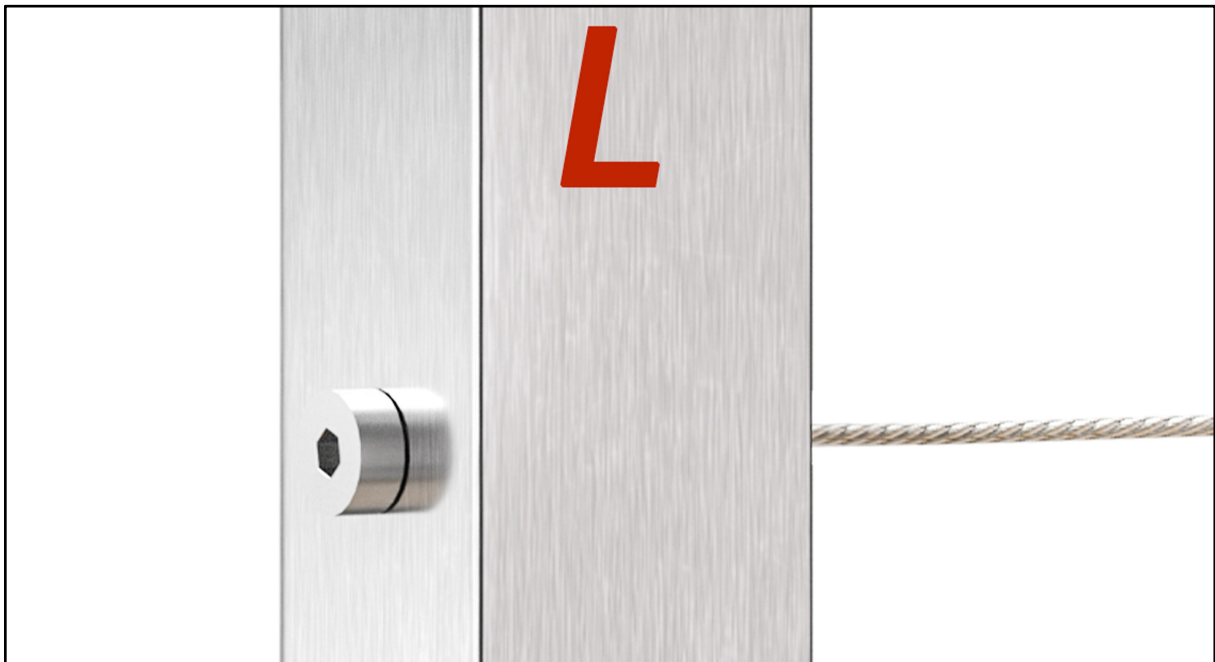
### 6.1 For level railing



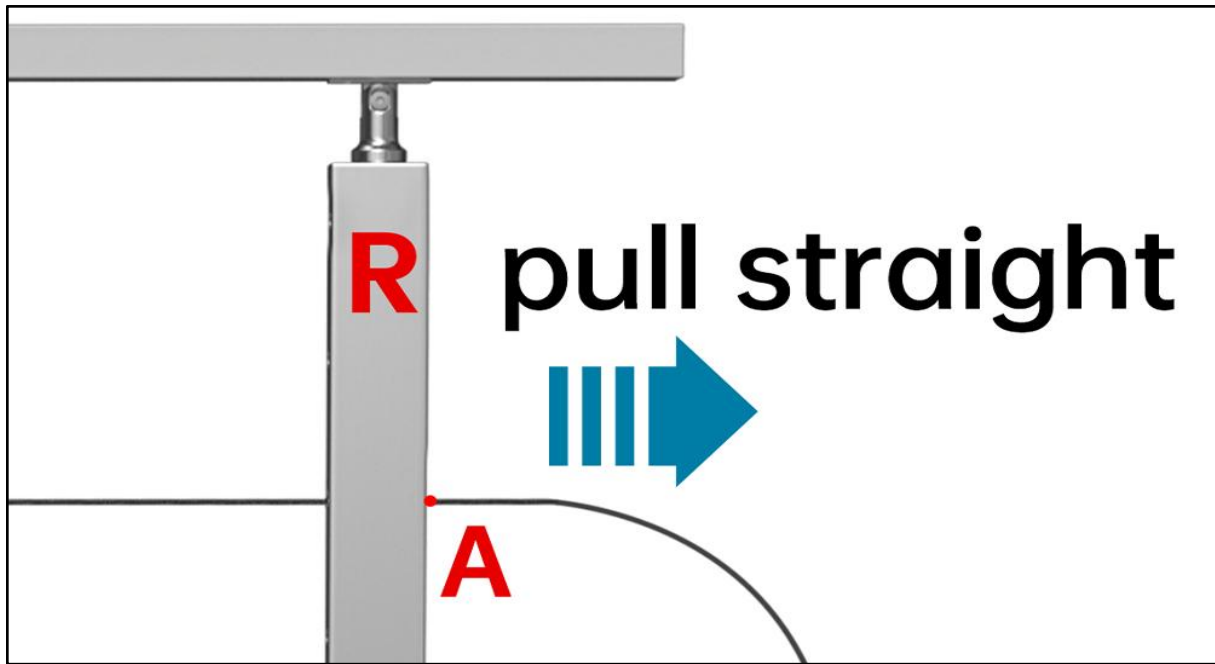
**Step 1** - While pass the cable ⑤ from the right post to the left post, put in adhesive washer ⑨ for end posts and level protector sleeve ⑥ for intermediate posts.



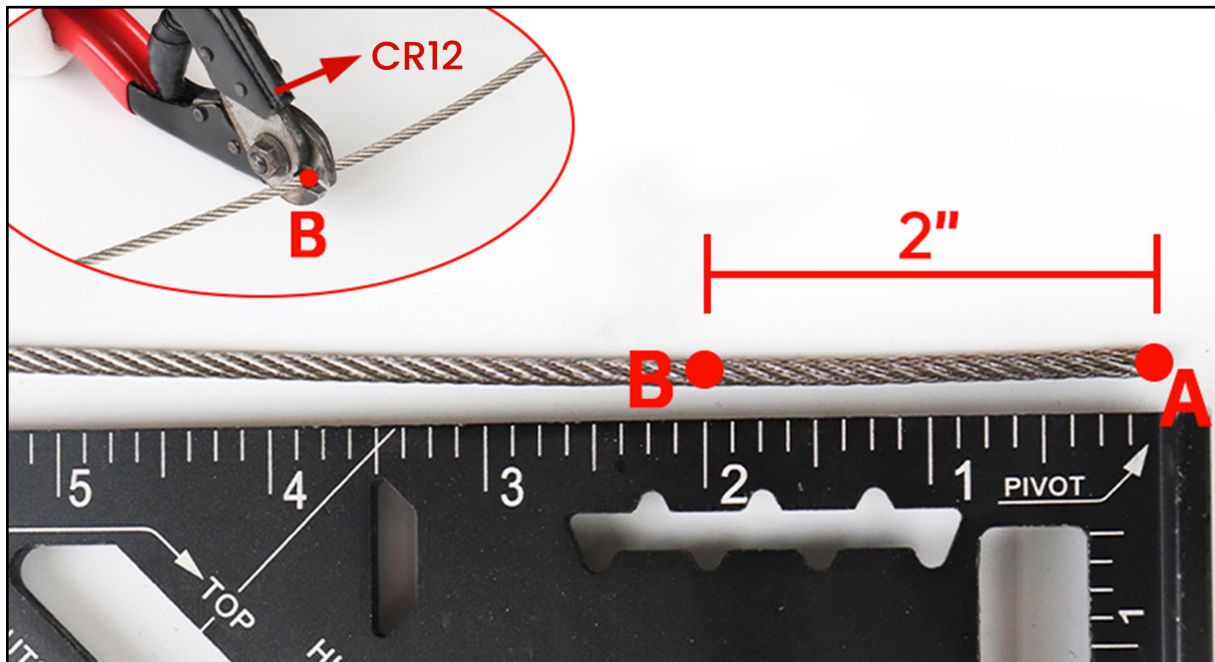
**Step 2** - Swage the fixed end ② with the hydraulic crimper ⑧.



**Step 3** - Install fixed end ② on the left end posts.



**Step 4** - Tighten the cable ⑤ from the right end post, mark point A from the outside, and cut cable on point A with cable cutter ⑧.



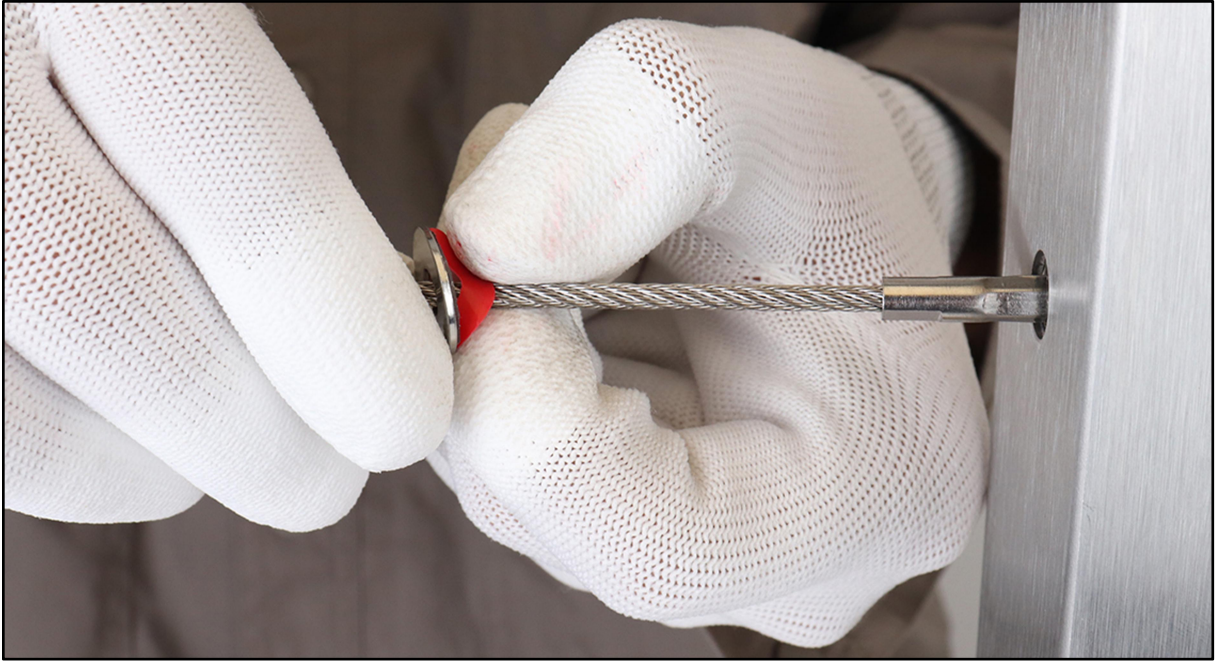
**Step 5** - Mark and cut at point B with cable cutter ⑧, which is 2" away from point A.



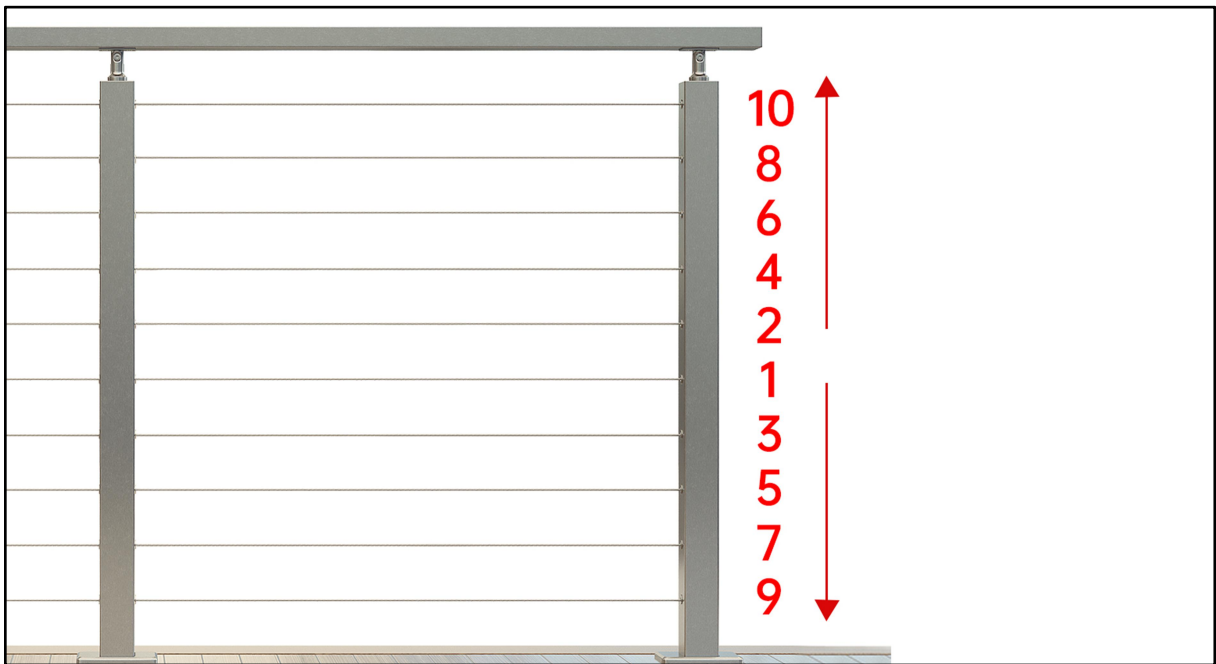
**Step 6** - Swage tensioner **1** with hydraulic crimper **8**.



**Step 7** - Tighten the tensioner **1** with an Allen wrench **4** and socket wrench **10** on the right end post.

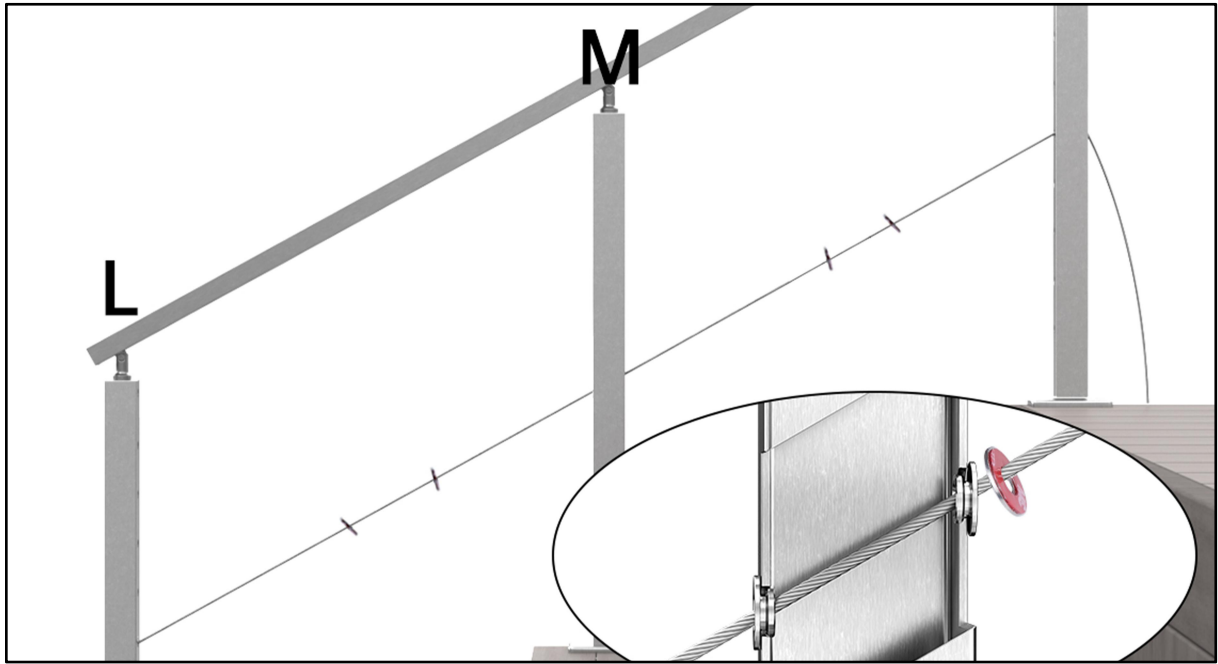


**Step 8** - Install the adhesive washers ⑨.

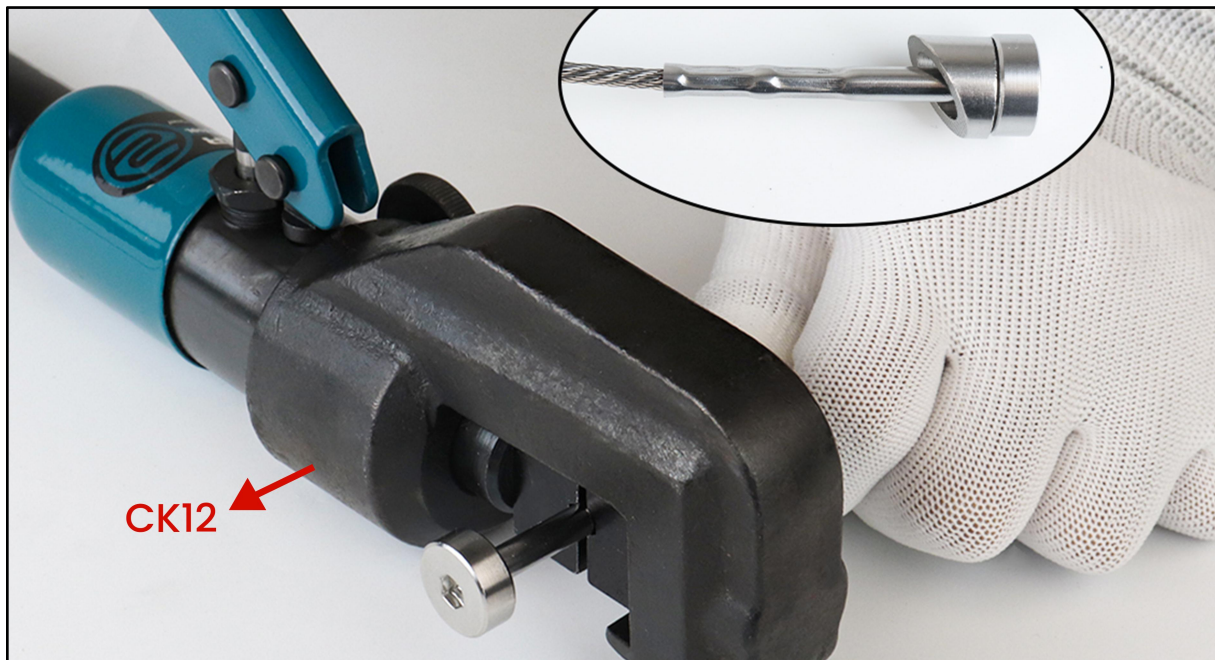


**Step 9** - Follow the sequence to install other cable runs.

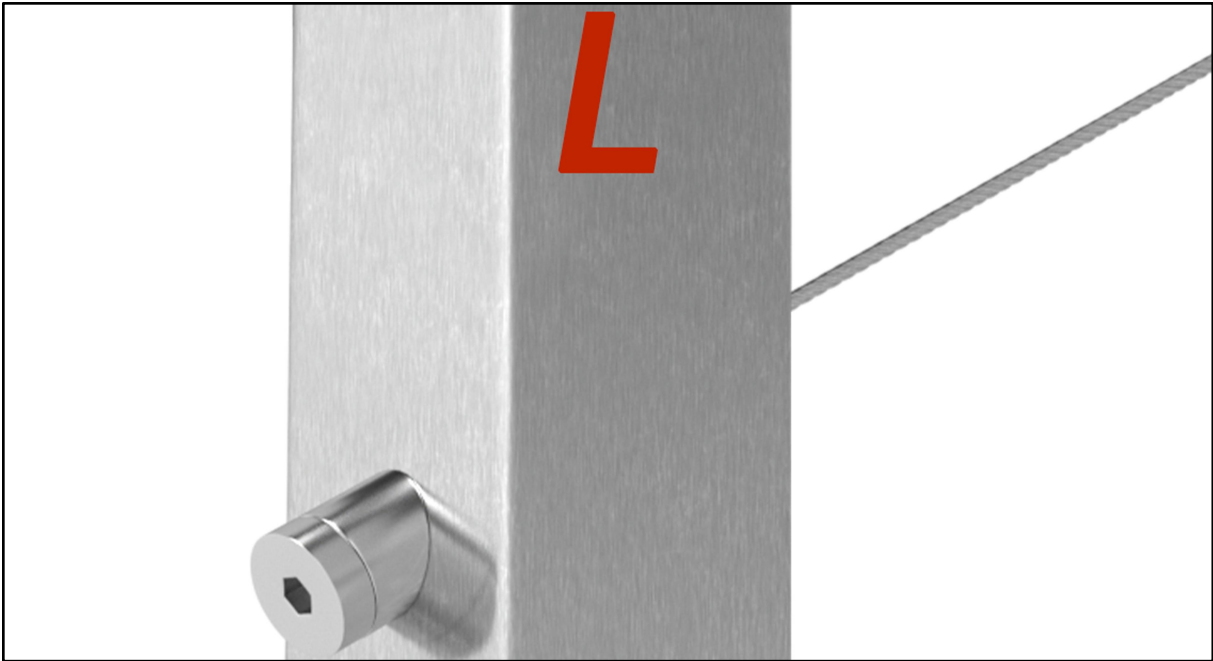
## 6.2 For angle railing



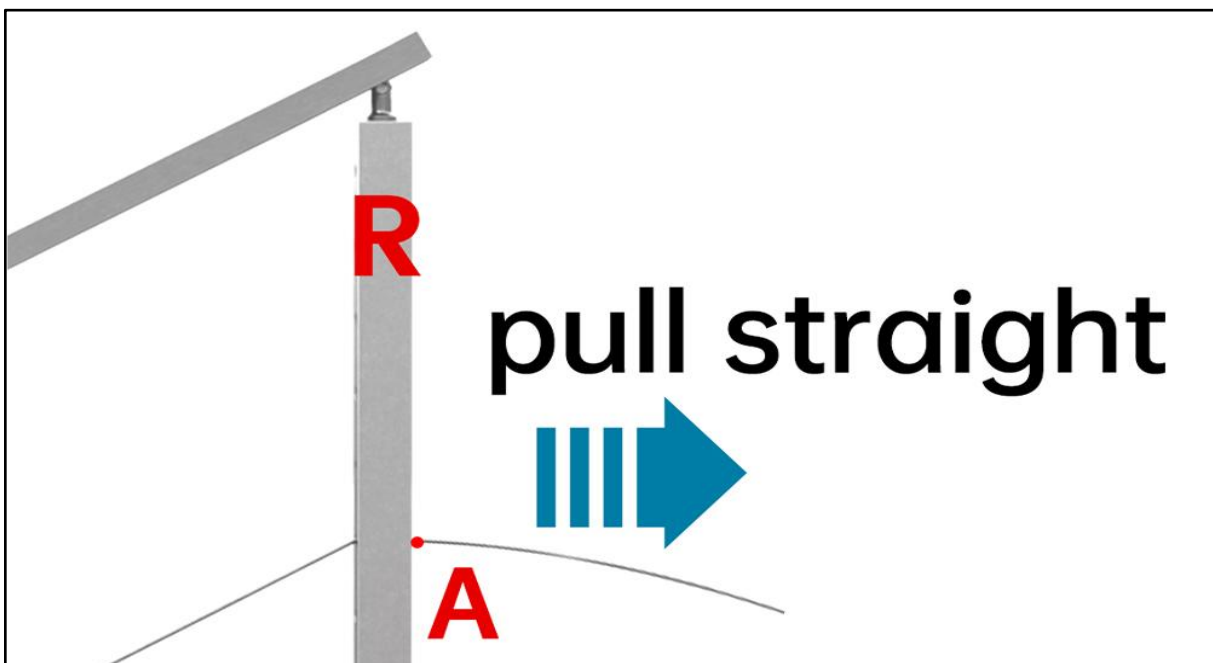
**Step 1** - While pass the cable ⑤ from the right side to the left post, put in adhesive washer ⑨ for end posts and angle protector sleeve ⑦ for intermediate posts.



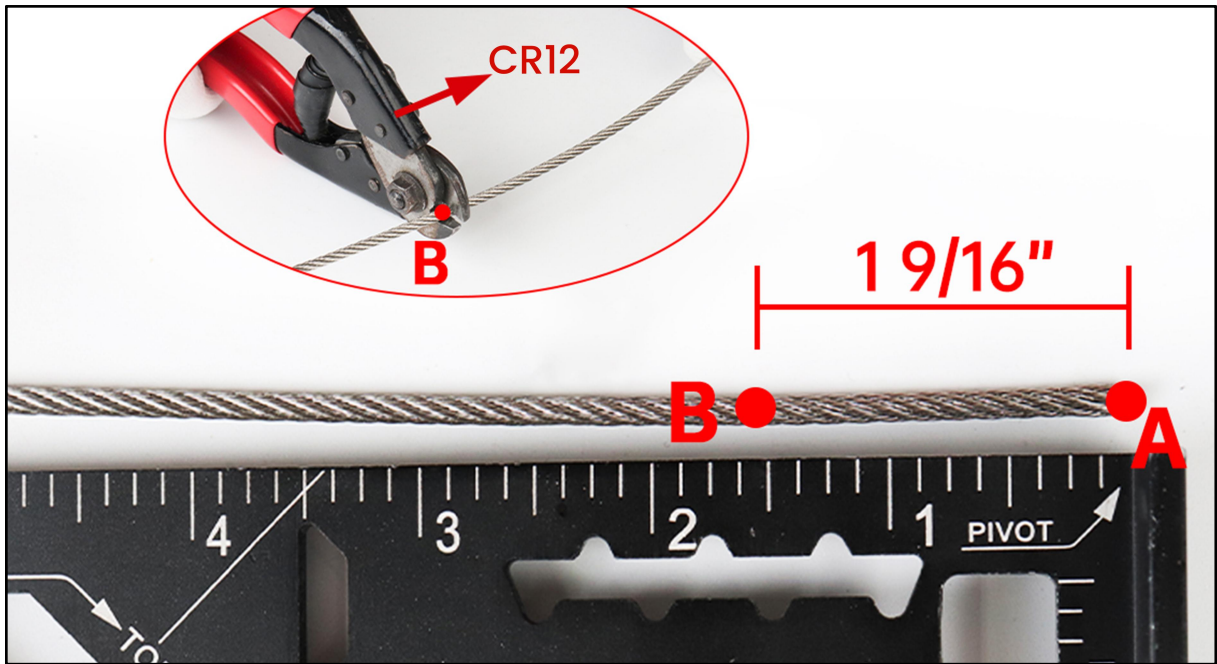
**Step 2** - Put in angle washer ③ first and then swage the fixed end ② with the hydraulic crimper ⑧.



**Step 3** - Install the fixed end ② on the left end post.



**Step 4** - Tighten the cable ⑤ from the right end post, mark point A from the right side, and cut cable on point A with cable cutter ⑧.

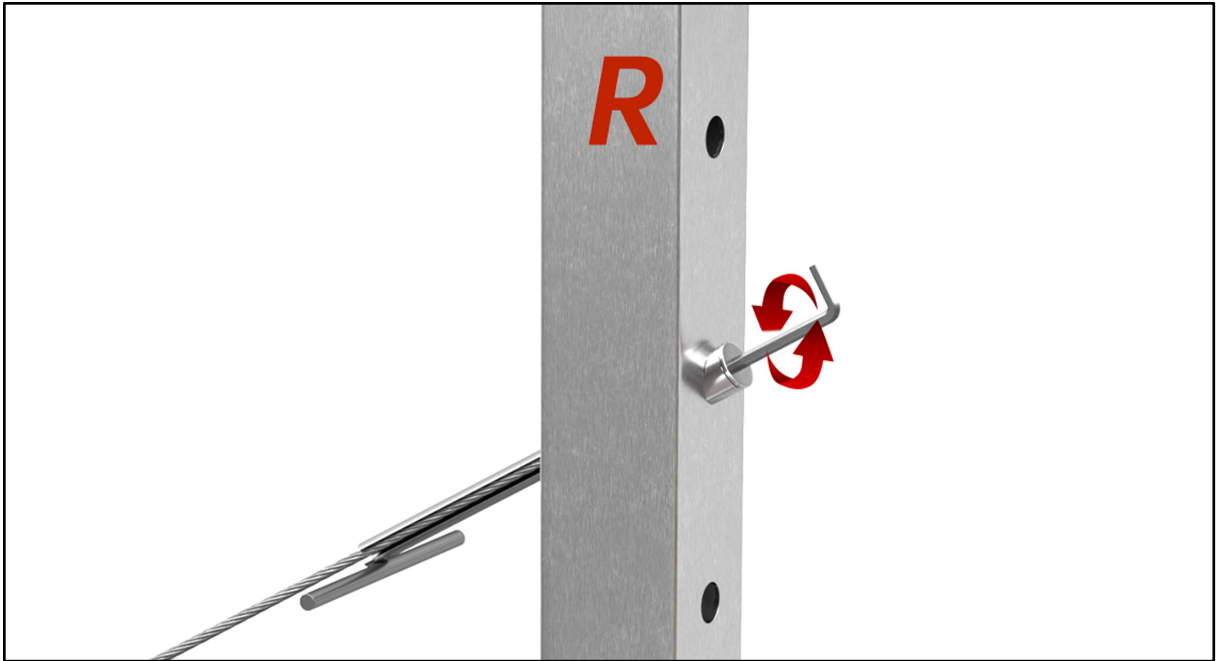


**Step 5** - Mark and cut at B with cable cutter **8**, which is 1 9/16" away from point A.

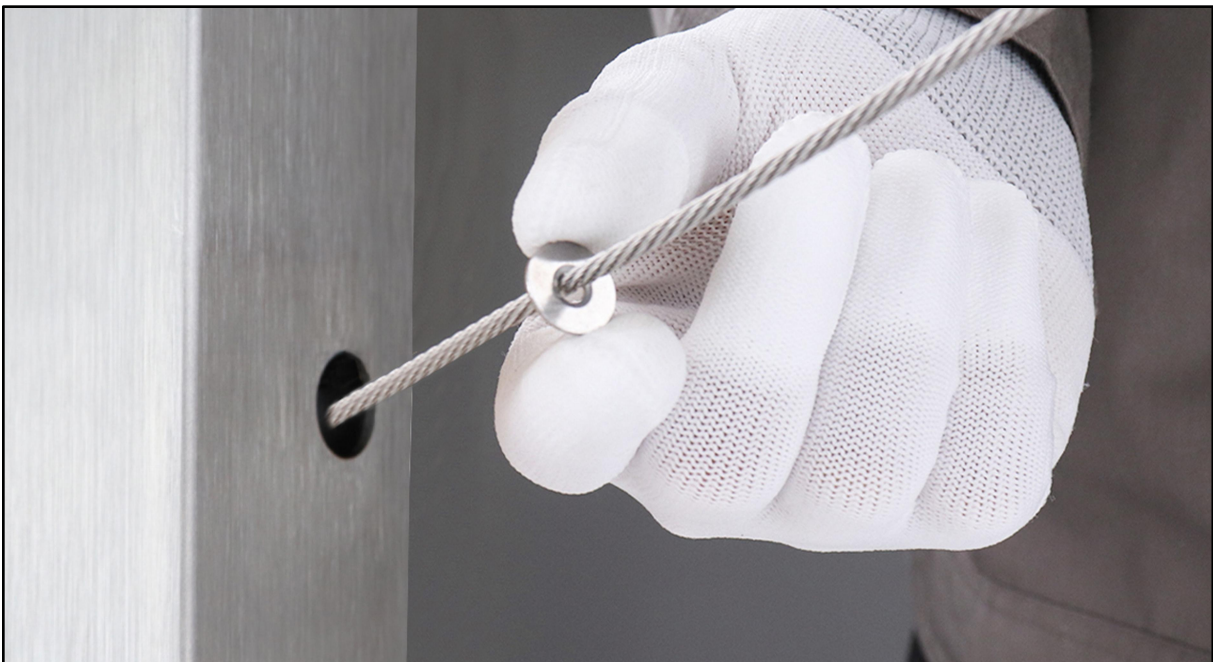


**Step 6** - Swage tensioner **1** and cable with hydraulic crimper **8**.

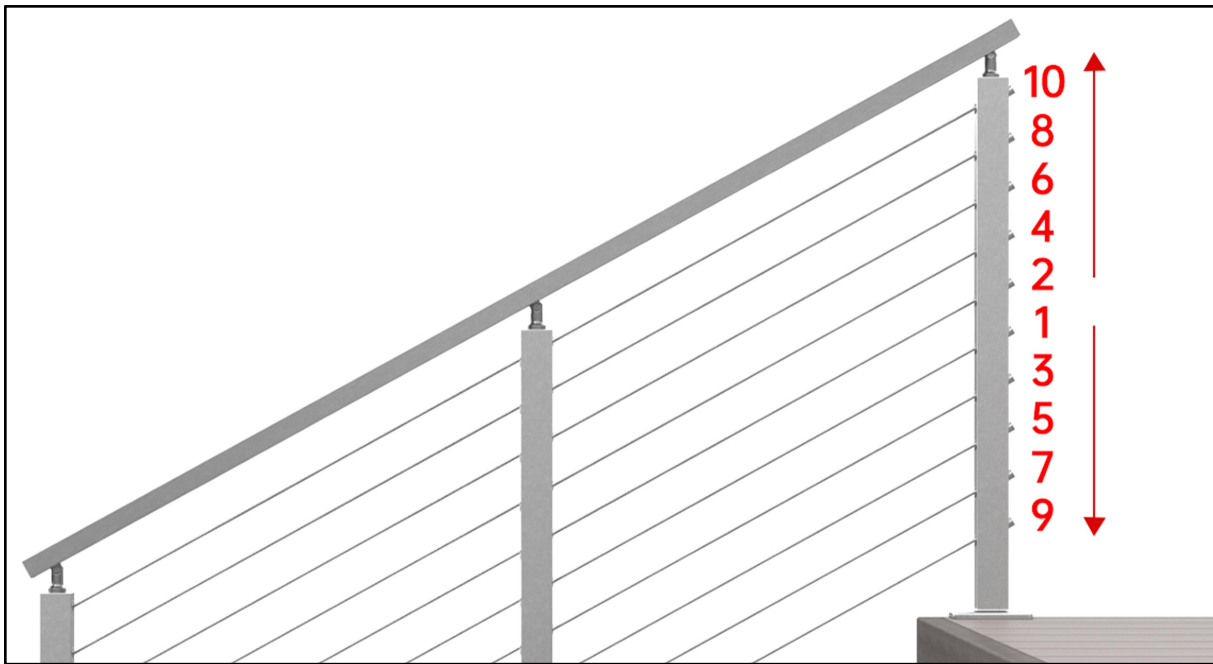




**Step 7** - Put in angle washer **3** , tighten the tensioner **1** with an Allen wrench **4** and socket wrench **10** on the right end post.



**Step 8** - Install the adhesive washers **9**.



**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.

## 7. Tips

- (1) Ensure that your posts and handrail are properly installed before you 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 use 3'3" post spacing.
- (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.

## 8. 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.

## 9. 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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