



CB16

User Guide

1602002(230627)

1. Overview

Muzata CB16 is an invisible and swageless cable railing tensioner. With our patented design of invisible flattened tail, you can hide the end inside the wood post to get a neat appearance using the Muzata CT16 socket wrench. The swageless design makes it ideal for beginners since it can be reused and there is no need for crimpers. It's suitable for wood posts larger than 4"x4" and applicable for both level and angled sections.

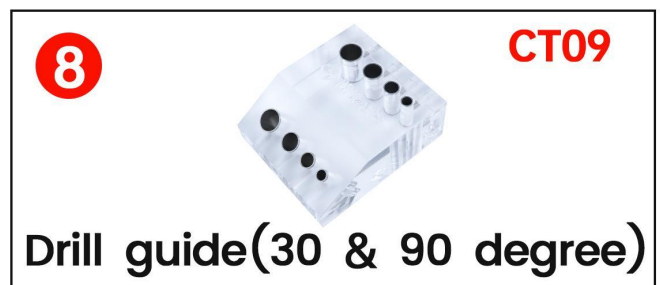
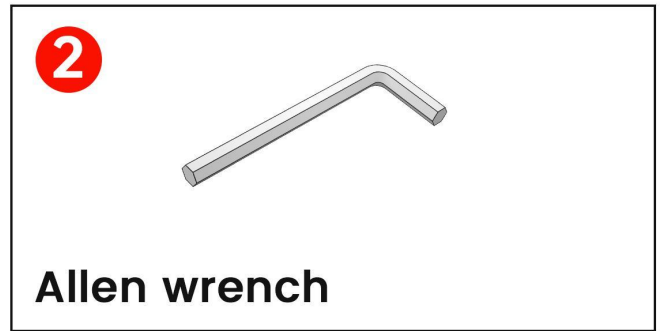
2. Specifications



Model	Material	For wire	Finishing
CB16	T316 Stainless Steel	1/8"	Natural

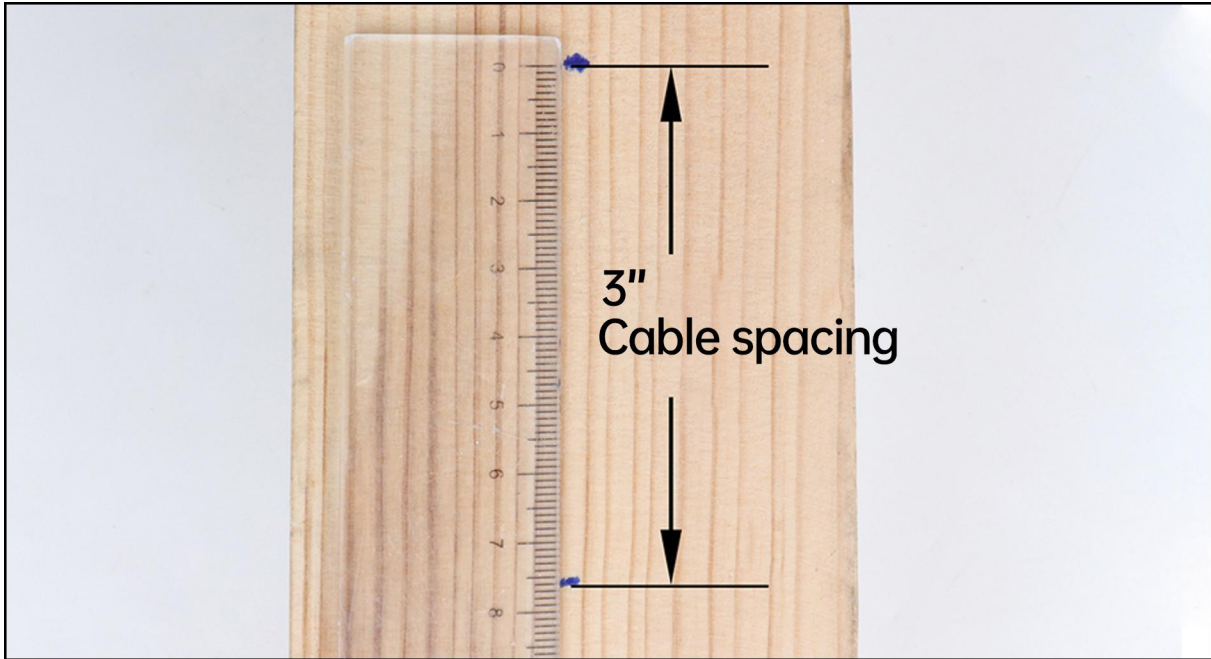
3. Items related

Listed below are all of the accessories and tools related to the Muzata CB16. 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.

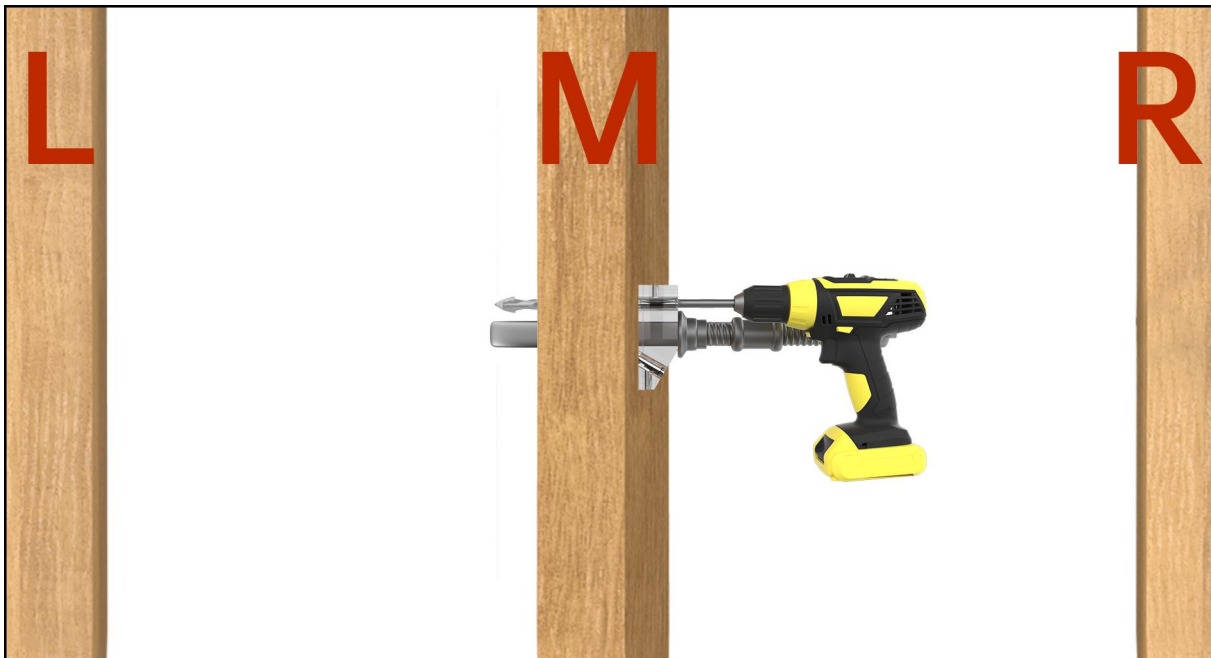


4. Installation Steps

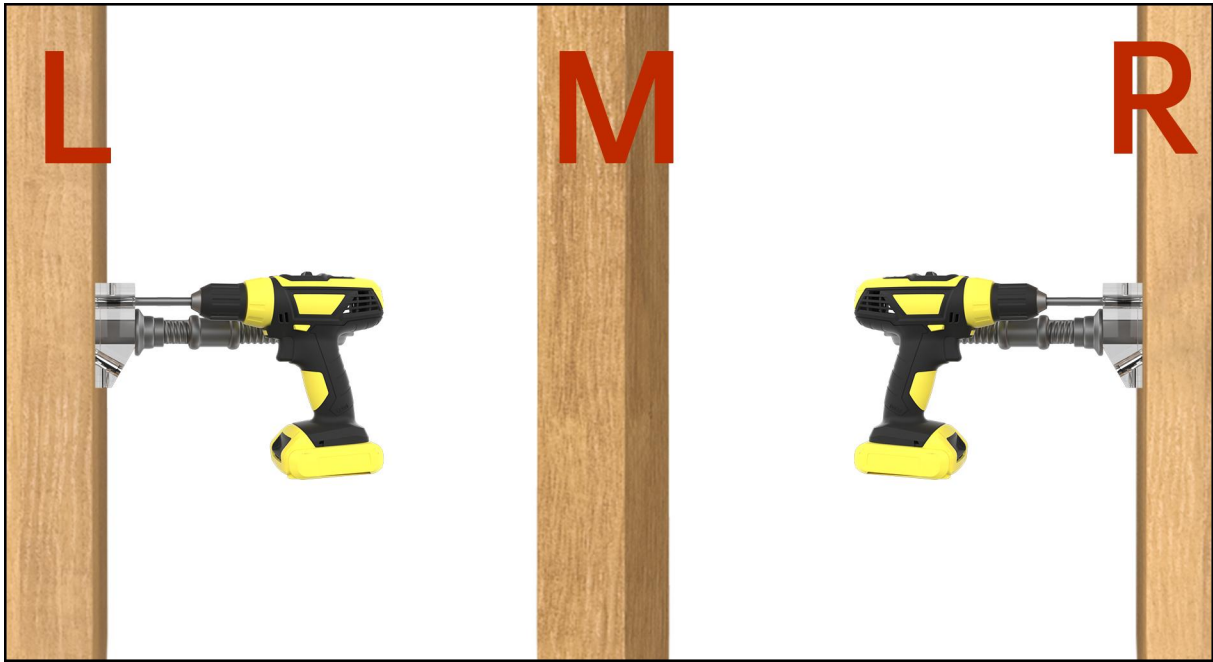
4.1 For level railing



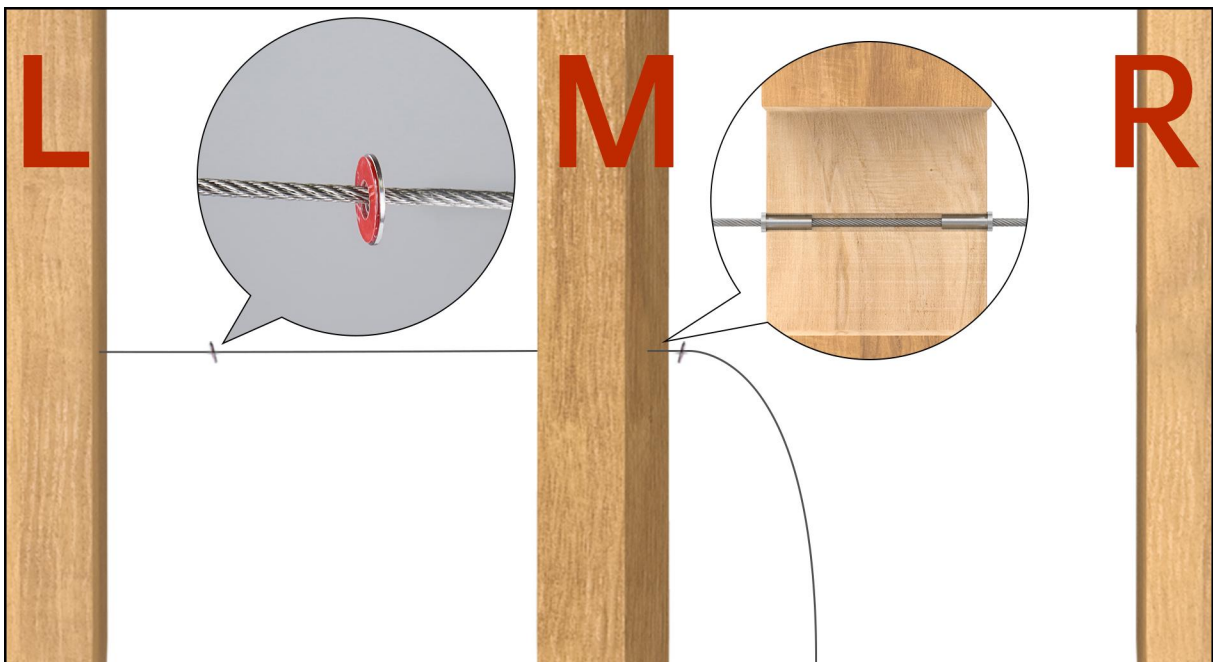
Step 1 - Locate hole position with 3" cable spacing.



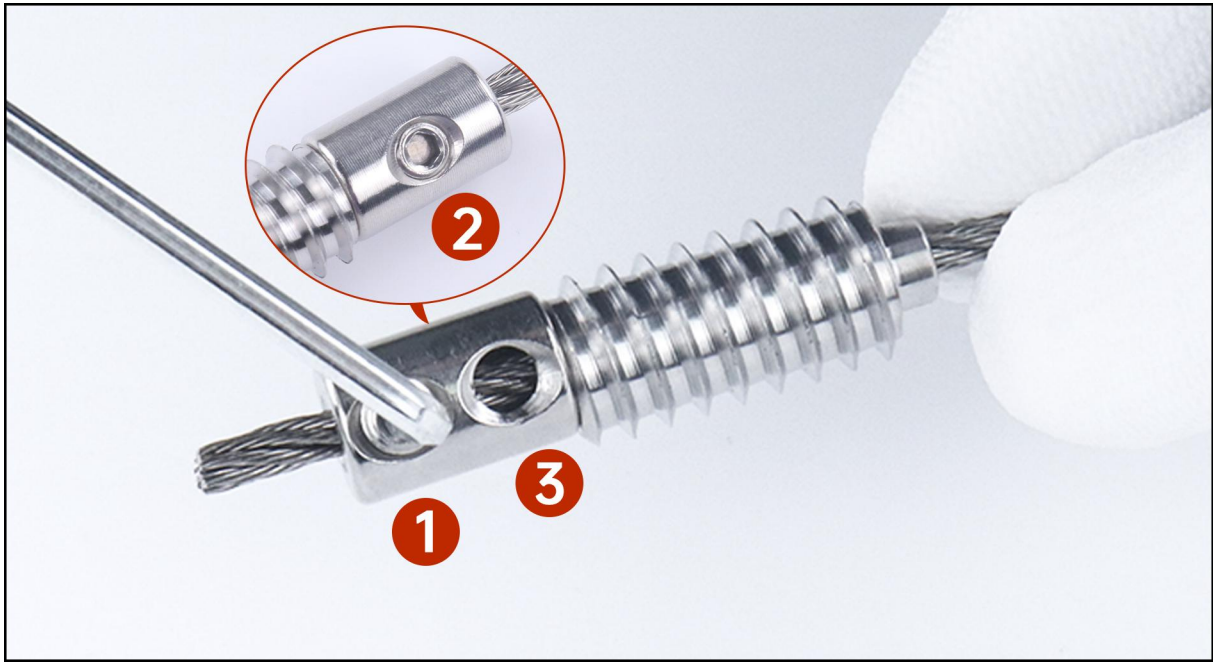
Step 2 - Drill through holes with drill guide **8** on all intermediate posts with a 9/32" drill bit.



Step 3 - Drill 2 3/8" deep holes with drill guide ⑧ on the end posts with a 13/32" drill bit ⑩.



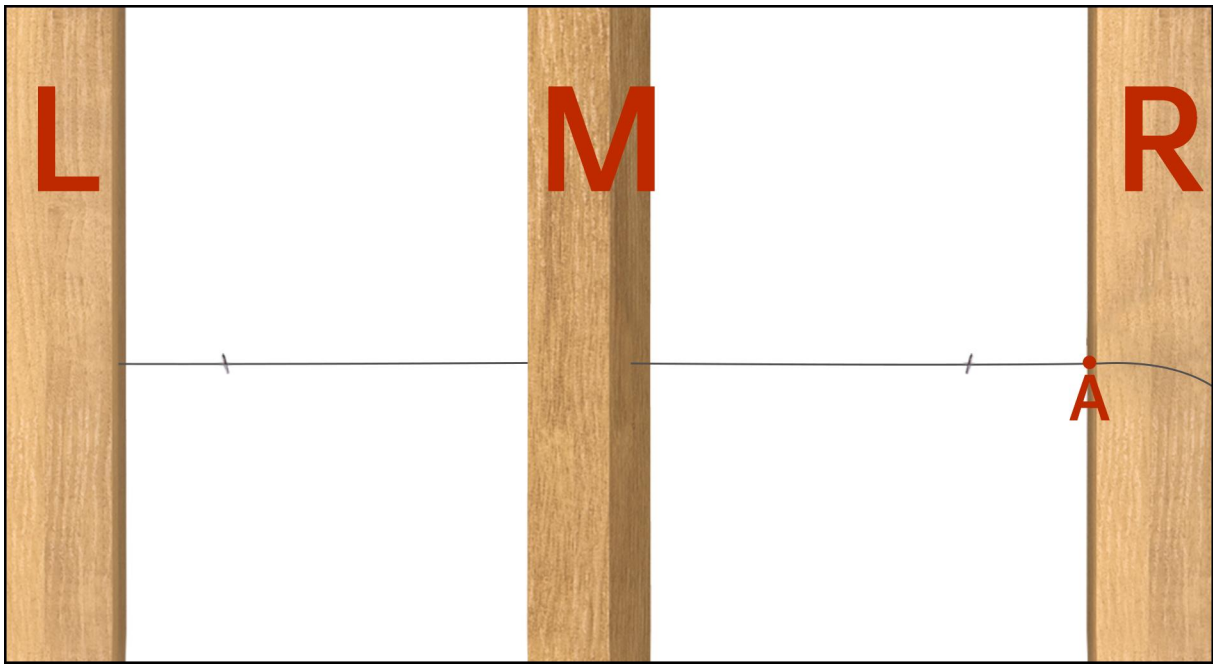
Step 4 - Put the adhesive washers ⑥ into the cable and pull the cable through all intermediates posts and level protector sleeves ④.



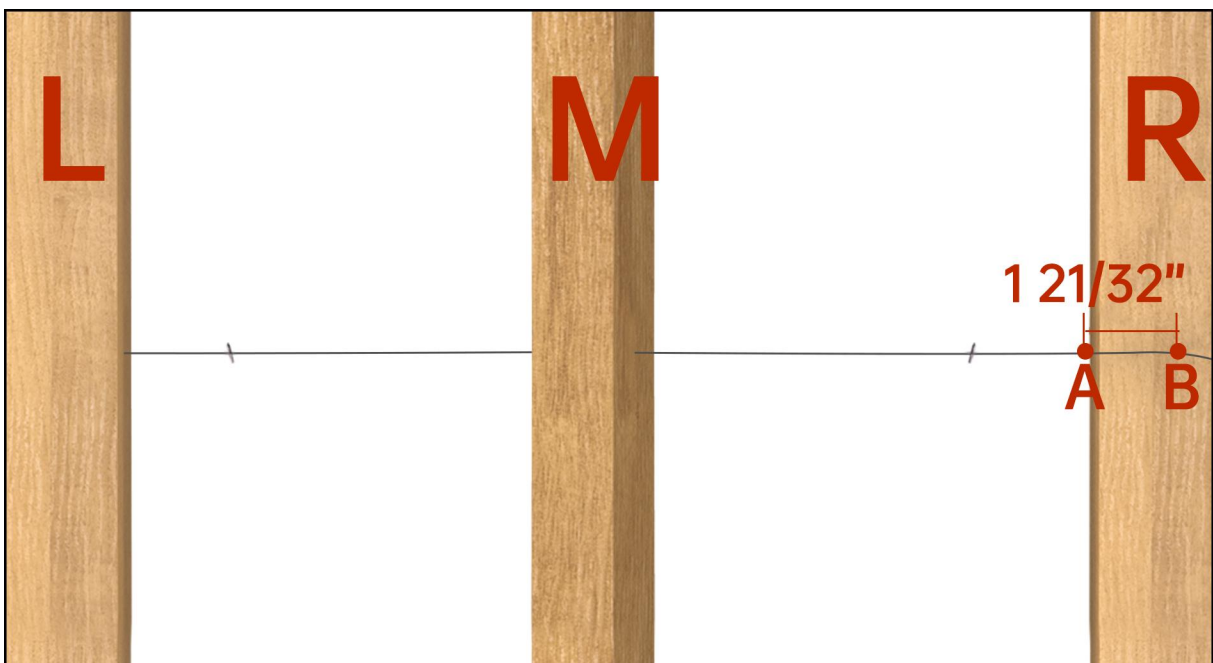
Step 5 - Put the cable **3** into the tensioner **1** and install the set screws by sequence with an Allen wrench **2**.



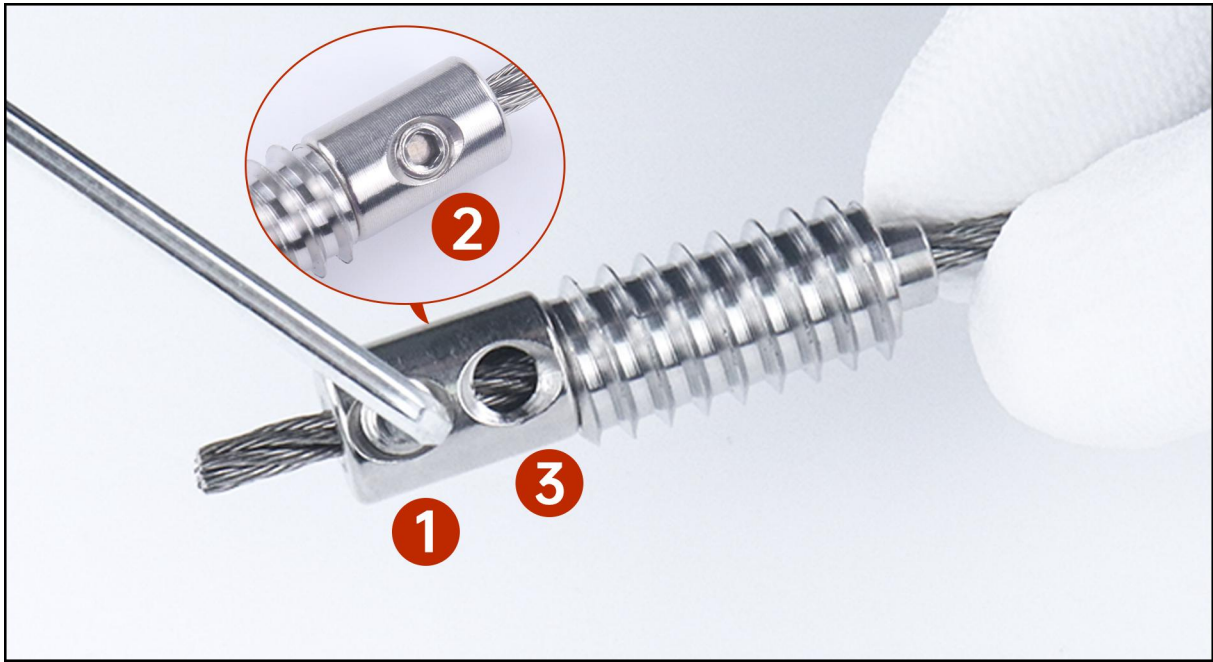
Step 6 - Tighten the tensioner **1** with the socket wrench **9** on the left post.



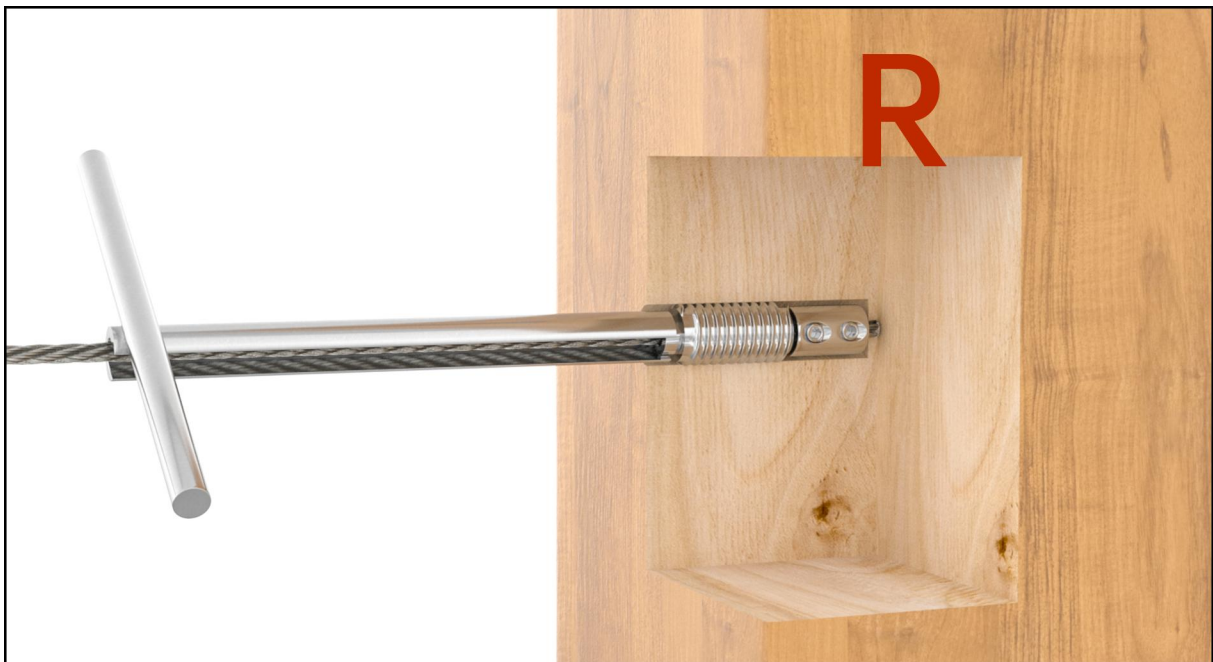
Step 7 - Pull the cable ③ against the right post and mark point A against the inside of the right post.



Step 8 - Mark point B at $1 \frac{21}{32}$ " against the right side of point A. Cut the cable ③ at point B with cable cutter ⑦.



Step 9 - Put the cable **3** into the tensioner **1** and install the set screws by sequence with Allen wrench **2**.



Step 10 - Tighten the tensioner **1** with the socket wrench **9** on the right post.

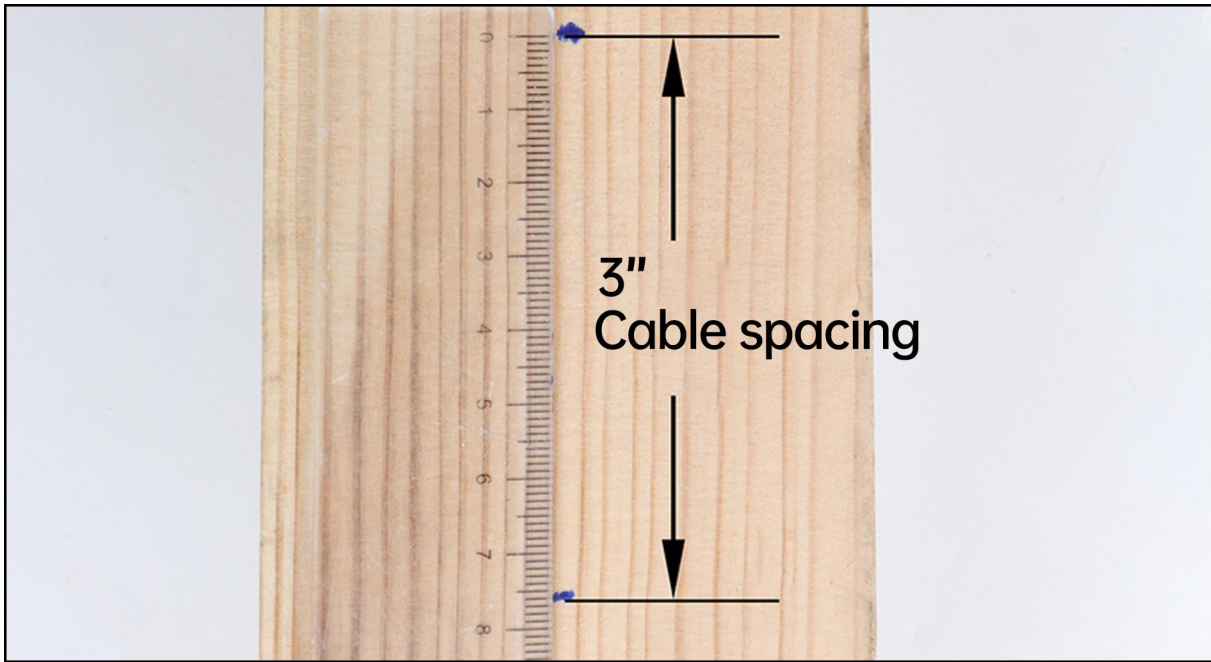


Step 11 - Install the adhesive washers **6**.



Step 12 - Follow the sequence to finish the other cable runs.

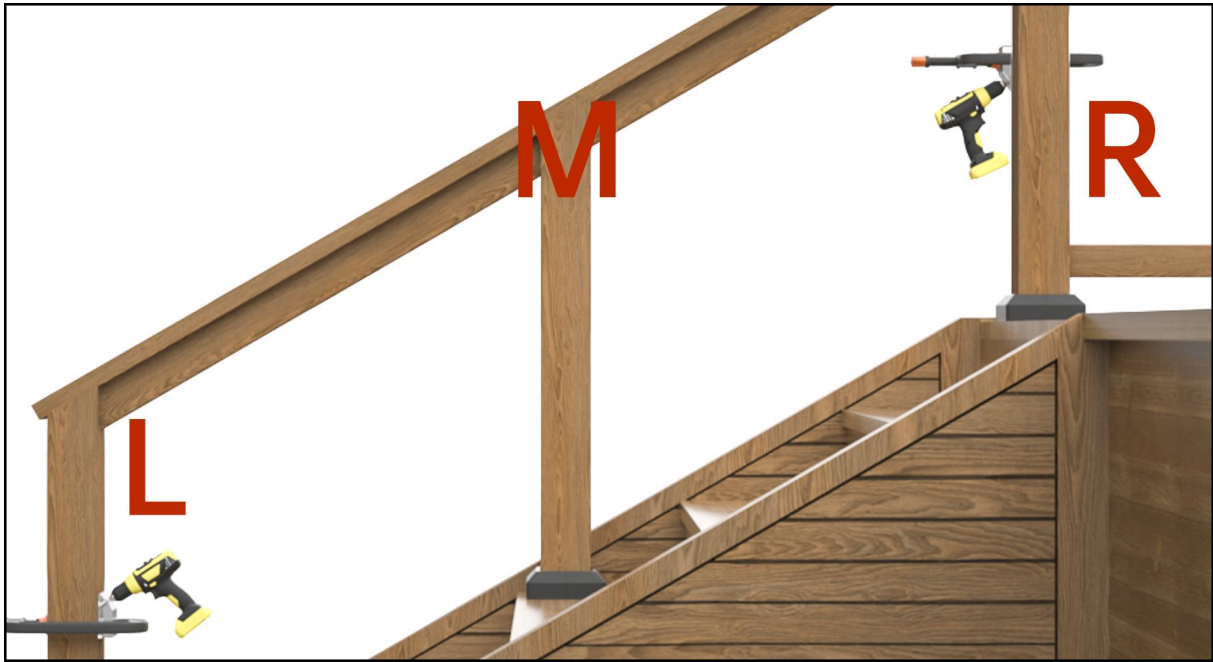
4.2 For angle railing



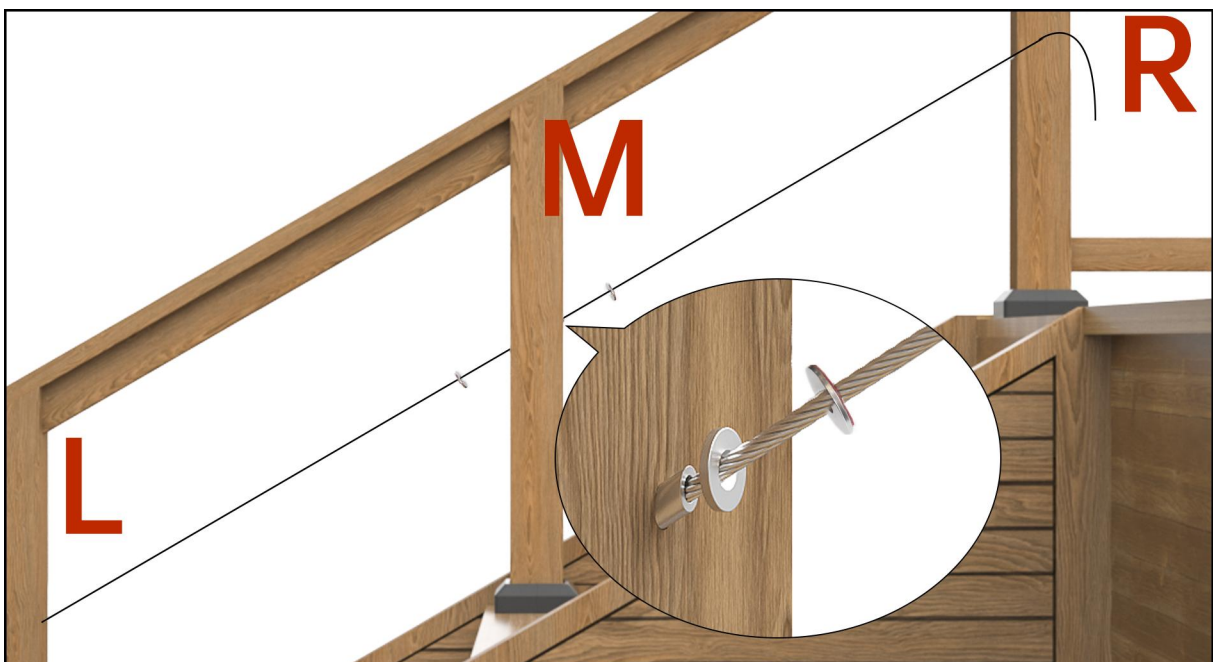
Step 1 - Locate hole position with 3" cable spacing.



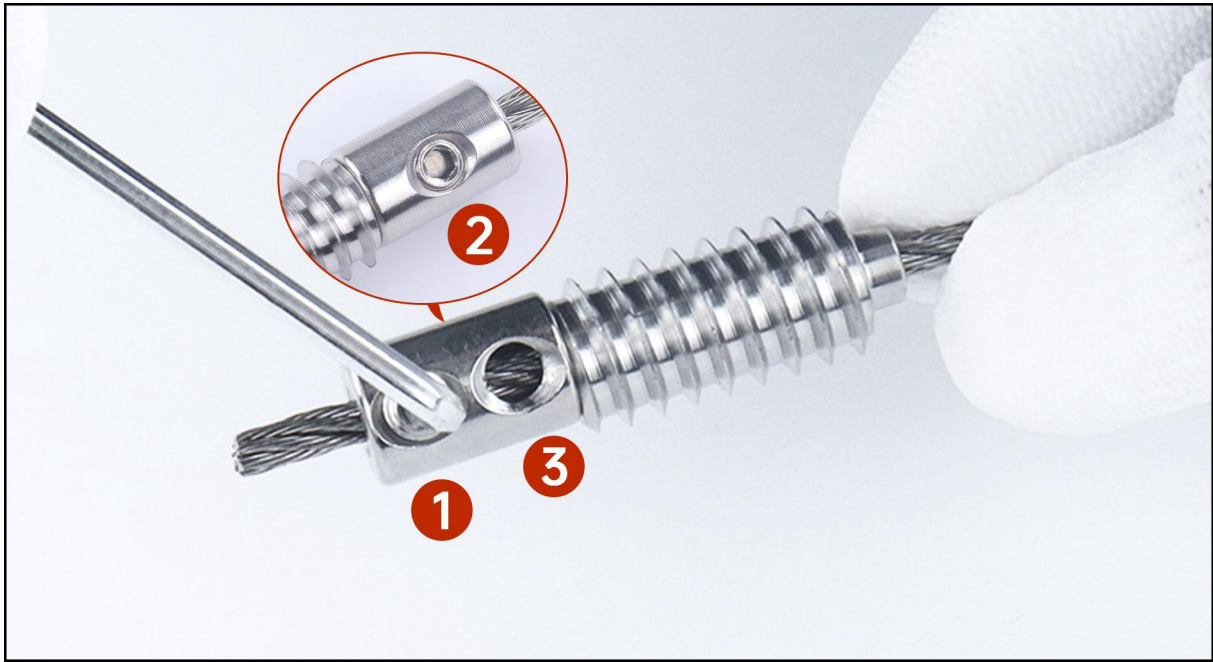
Step 2 - Drill 30 degrees through holes with drill guide ⑧ on all intermediate posts with a 9/32" drill bit.



Step 3 - Drill 30 degrees 2 3/8" deep holes with drill guide **8** on the right and left posts with a 13/32" drill bit .



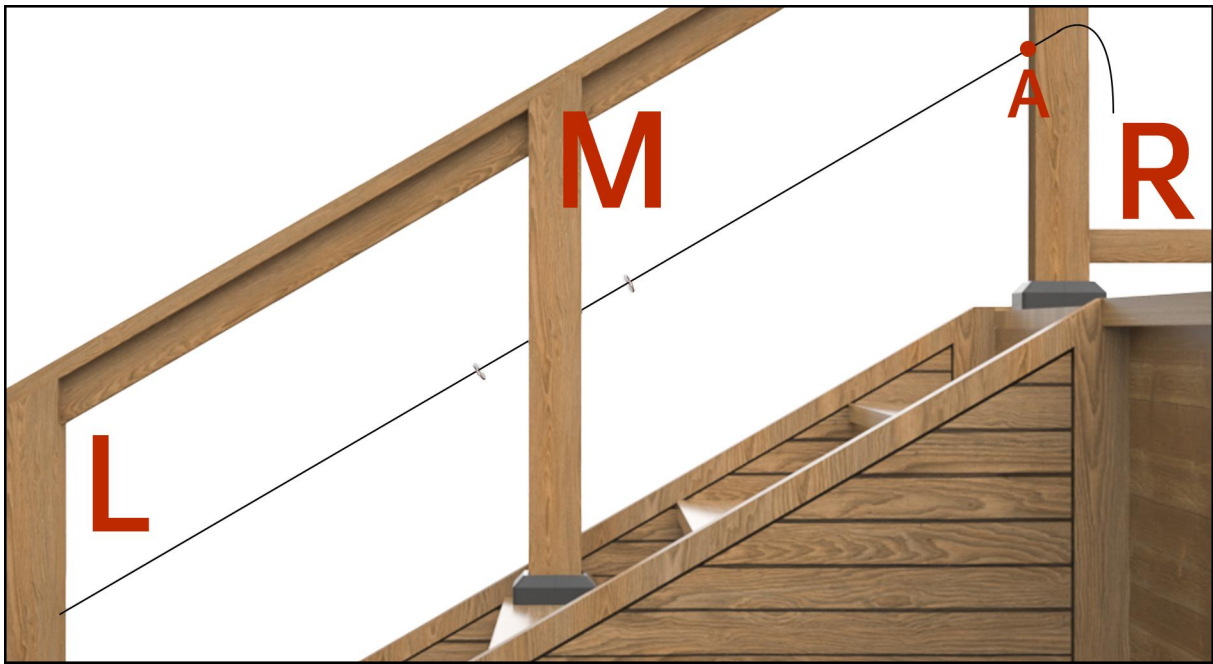
Step 4 - Put the adhesive washers **6** into the cable and pull the cable through all intermediates posts and angle protector sleeves **5**.



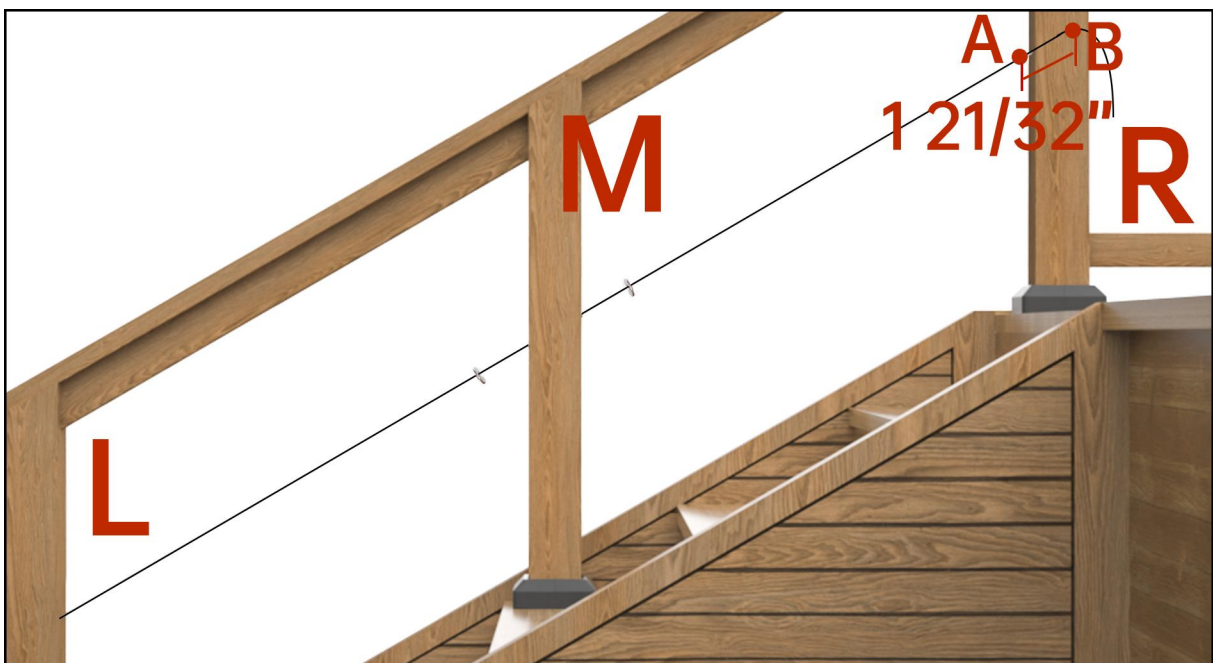
Step 5 - Put the cable **3** into the tensioner **1** and install the set screws by sequence with an Allen wrench **2**.



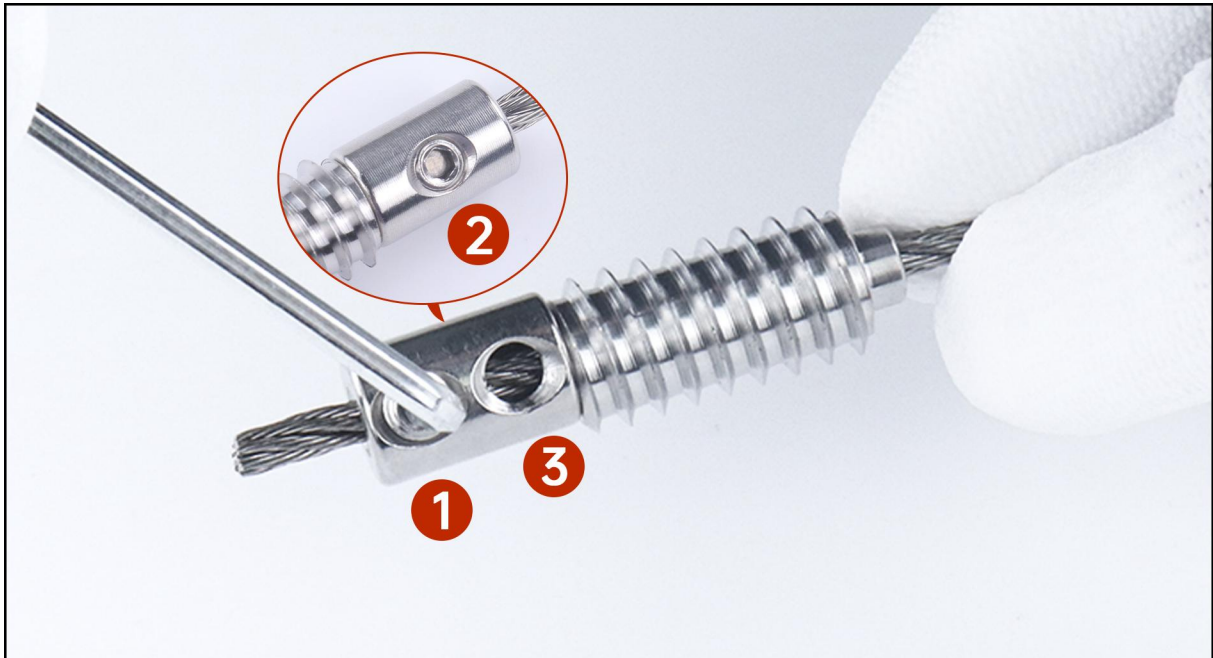
Step 6 - Tighten the tensioner **1** with the socket wrench **9** on the left post.



Step 7 - Pull the cable **3** against the right post and mark point A against the inside of the right post.



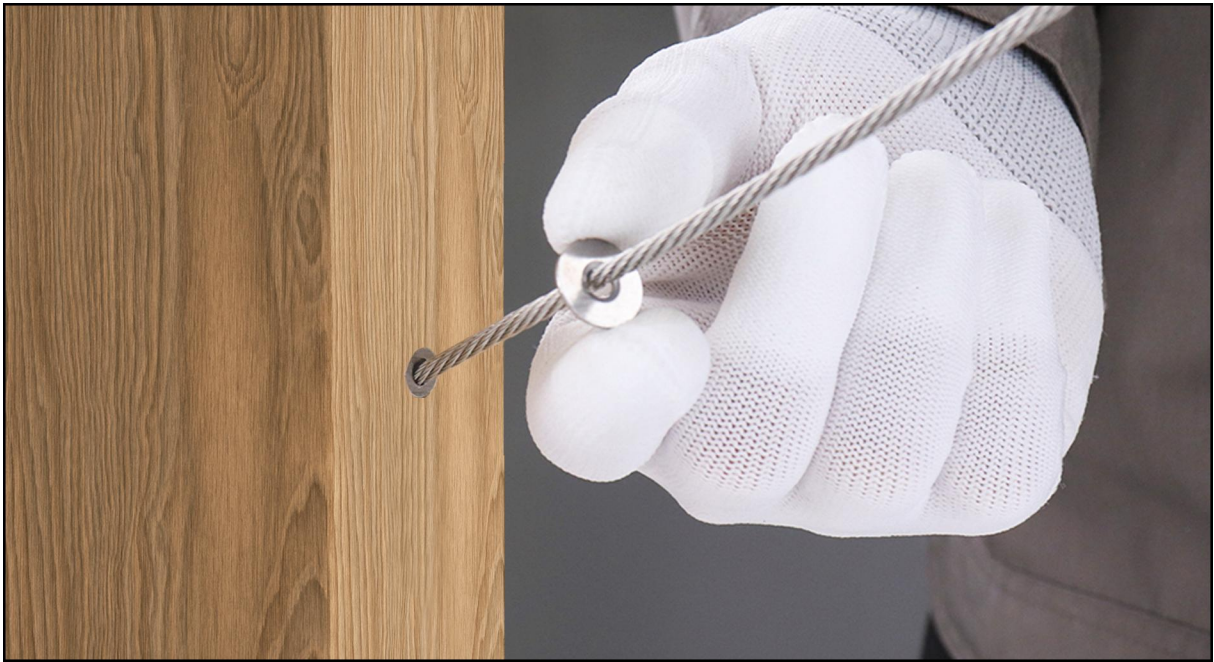
Step 8 - Mark point B at $1 \frac{21}{32}$ " against the right side of point A. Cut the cable **3** at point B with cable cutter **7**.



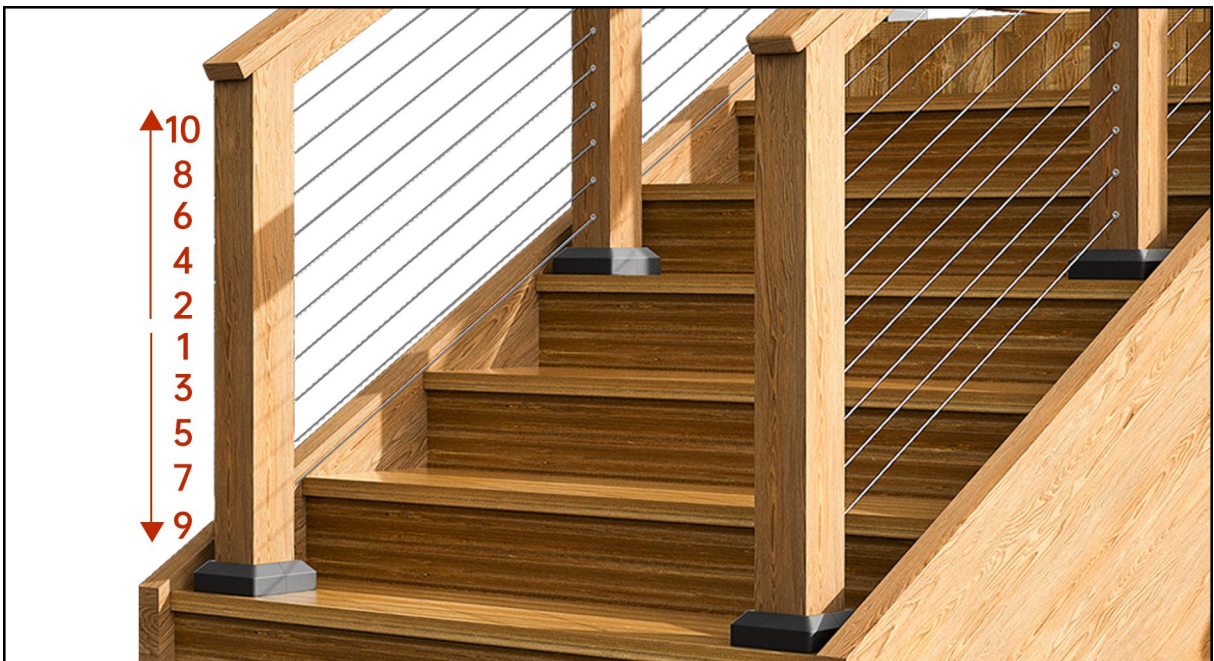
Step 9 - Put the cable **3** into the tensioner **1** and install the set screws by sequence with an Allen wrench **2**.



Step 10 - Tighten the tensioner **1** with the socket wrench **9** on the right post.



Step 11 - Install adhesive washers **6** and angle protector sleeves **5**.



Step 12 - Follow the sequence to finish the other cable runs.

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

5.Tips

- (1) Please ensure that your posts and handrail are properly installed before you start cable installation.
- (2) You might need to buy extra 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. Please consult your local building offices for building codes and make sure the system complies with the codes.
- (5) 3" cable spacing and 200 lbs tension on each cable line are 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.

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