



# User guide

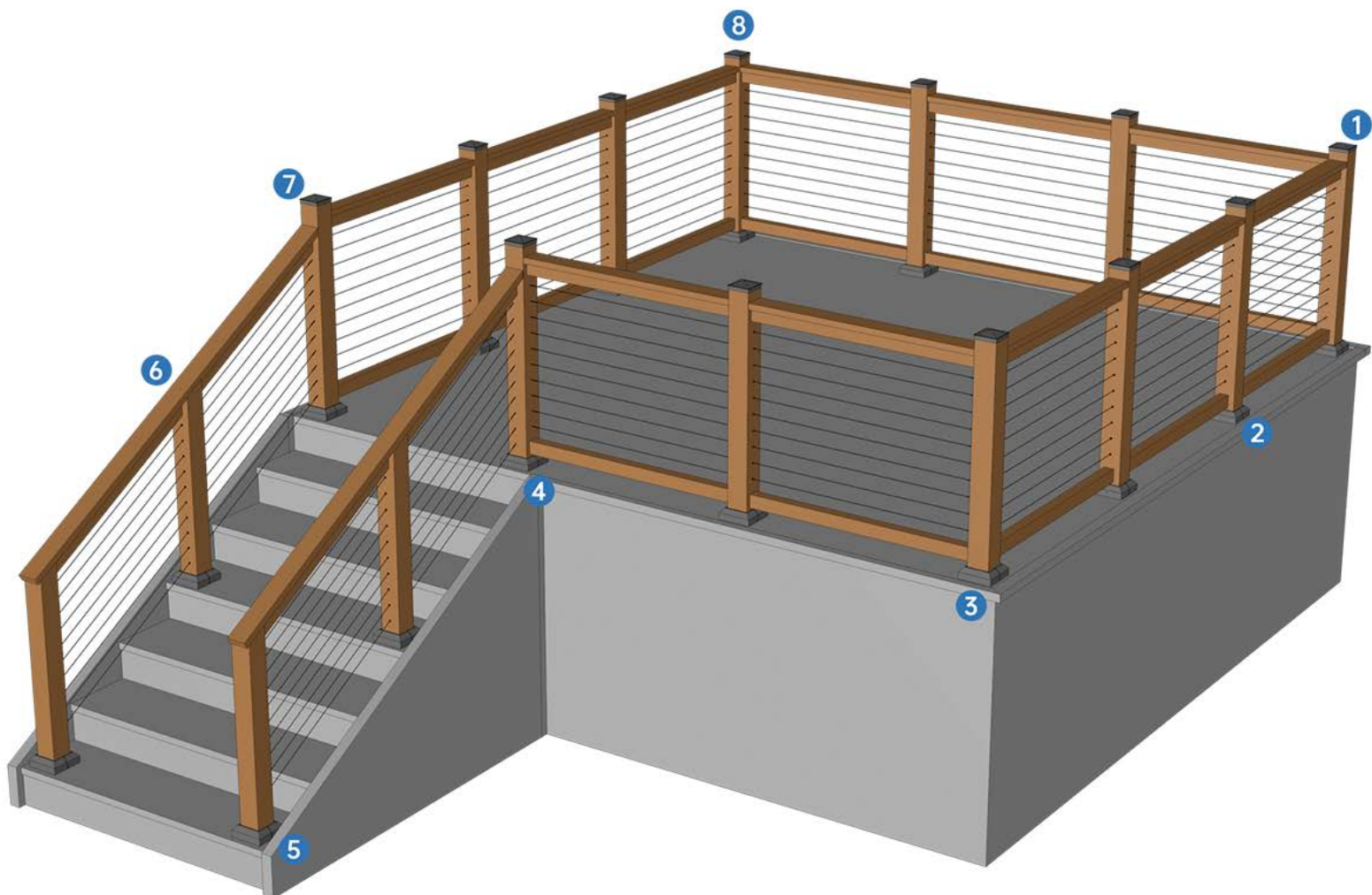
# Woodloft

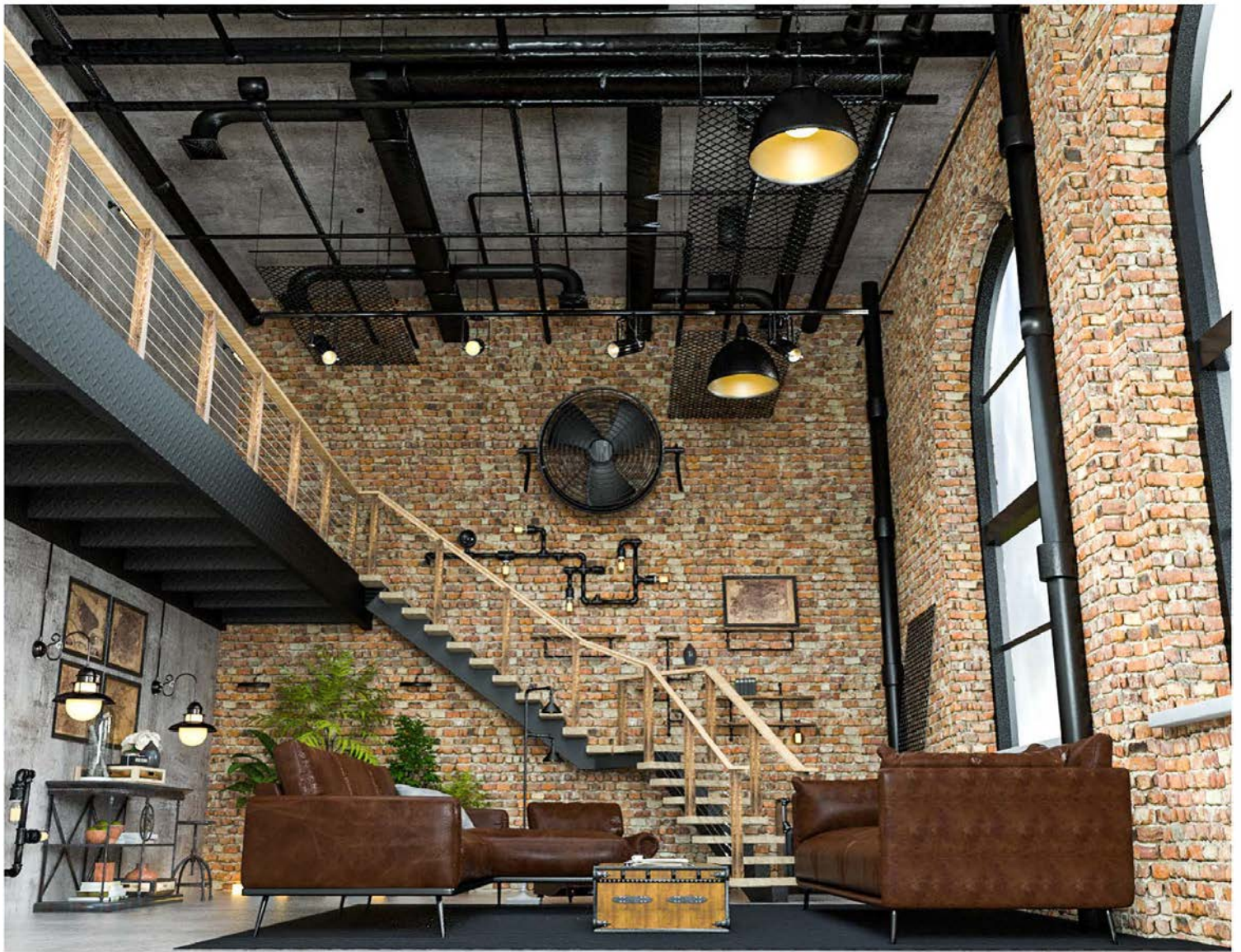
## Cable railing system

# 01

## Overview

Industrial style is an aesthetic trend in interior design that takes clues from old factories. WoodLoft is an industrial-style cable railing system at a cost-effective budget. It is great for lofts, garages, factories, warehouses, any industrial style decks and stairs. Wide adjustable range turnbuckle is friendly to beginners.





# 02

## Components

### 02-1 Posts

**2" x 2" or larger wood posts**

#### Notes

- It is recommended to buy wood posts from local stores since it will be cheaper without freight and packaging fee.
- This system also works for your existing wood frame. Just replace the infilling with cable railing materials.

### 02-2 Handrails

**Any handrails would work**

### 02-3 Wire ropes

**Both of the following cables could work for this system**



**WR01**

T304 stainless steel wire rope 1/8"



**WR02**

T316 stainless steel wire rope 1/8"

## Notes

- We have two ways of packing. Wire rope in reel would be easier to control after you open it while wire rope in roll is cheaper.
- The cable in roll is recommended to open in a bucket, which could help to control the cable as it expands.
- 1/8" are recommended for code compliance in most states.
- We also have wire ropes with 5/32" or 3/16" size, vinyl-coated cables, blacken cables for your choice. Please search "muzata WP1" to find more. And remember that you should use terminals of the same size to go with wire ropes. For example, 1/8" cable should go with 1/8" terminals.

## 02-4 Cable terminals

Cable terminals will fix the cable on posts and fasten the cable to get enough tension as safeguards. The swage multi-angle terminal is friendly to beginner. Please check the following images to see where and how they are used for.



### Cable railing kit

**CK01** - Adjustable multi-angle turnbuckle cable railing kit for wood posts.

Other option: **CN09**



### Level protector sleeve

**CR13** - To protect the level holes

Other options:  
**CR65/CR66/CR75**

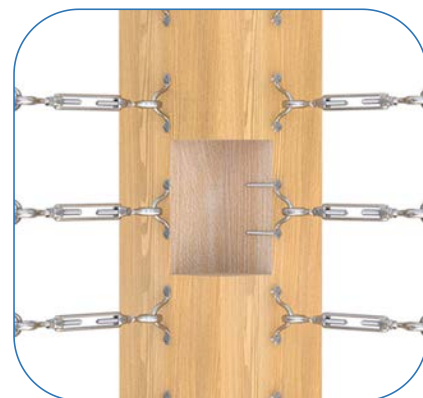
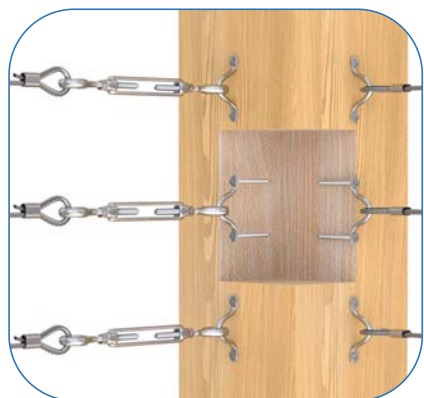
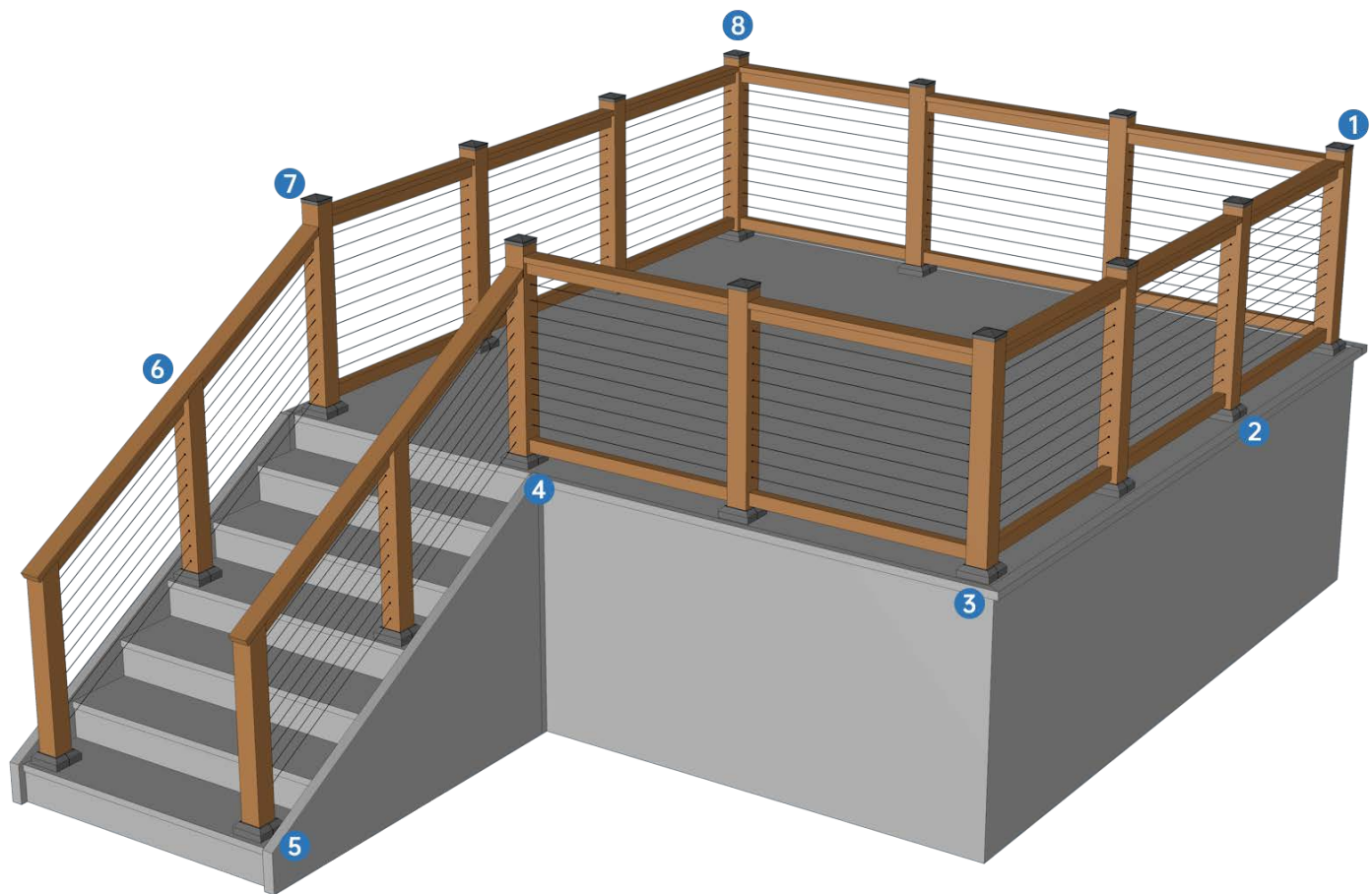


### Angle protector sleeve

**CR68** - To protector the angle holes  
other option: **CR67**

## Notes

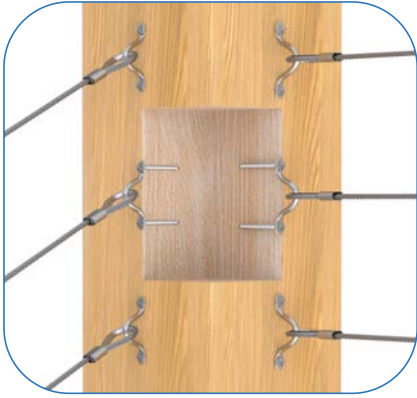
Concrete wall - if you need to install terminals on concrete/brick/stone walls please use our expansion tensioner **CB25** (1/8") / **CB26**(3/16")



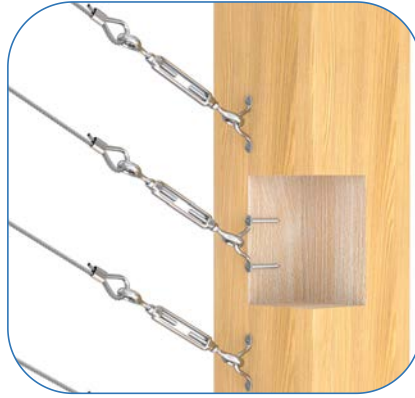
① Tensioner-CK01+Terminal-CK01

② CR13+CR13

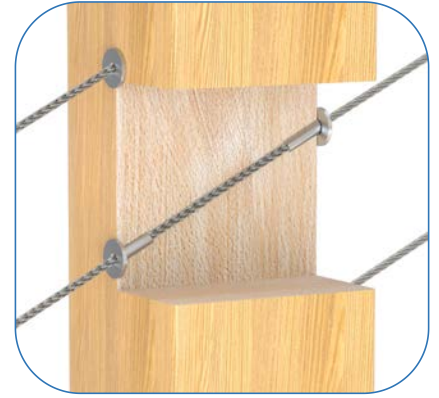
③ Tensioner-CK01+Tensioner-CK01



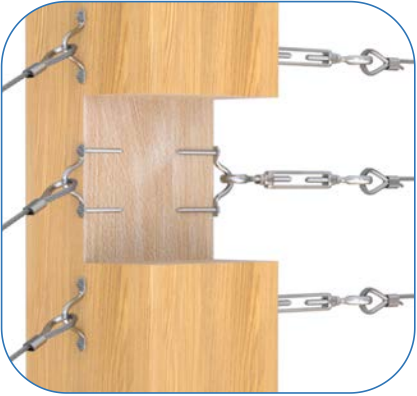
④ Terminal-CK01+Terminal-CK01



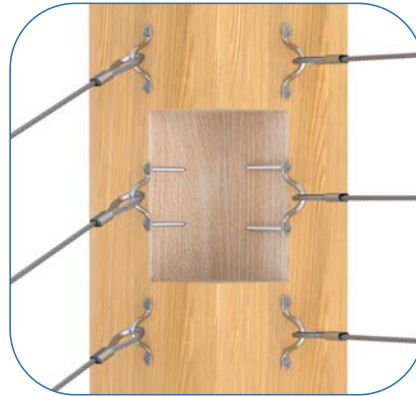
⑤ Tensioner-CK01



⑥ CR68+CR68



⑦ Terminal-CK01+Tensioner-CK01



⑧ Terminal-CK01+Terminal-CK01

## 02-5 Tools



**Cable cutter CT15/CR12**

For cable cutting



**Drill guide CT19/CT21**

Help you to drill accurate angle holes.



**Hand crimper CT03**

For crimping the aluminum loops sleeve

## 02-6 Optional components

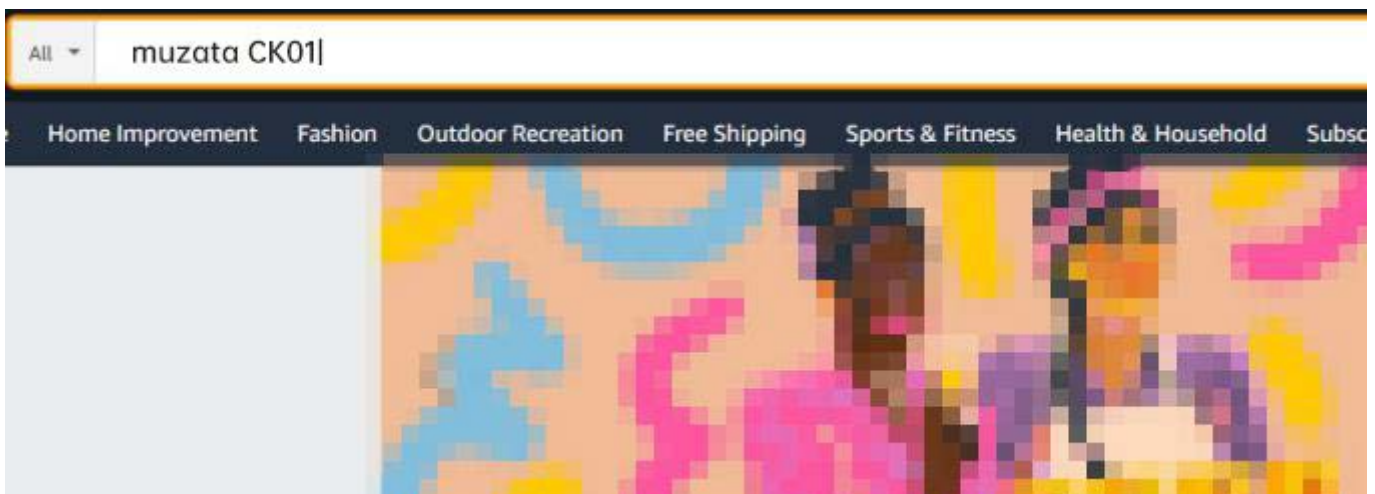


Post cap [WT06](#)



Foot cover [WT07](#)

## 02-7 How to find the products?



- (1) Click on the model number with link [\(blue\)](#) on this file to open the web page
- (2) Search "muzata + model number", like [muzata CK01](#)



# 03

## Design

If you are a beginner or not sure about how to do it. Please feel free to contact us. Our experts can do all the planning, designing and budget work for you without extra charging. Then you can follow the shopping list to buy all the materials in 3 minutes.

TEL: 323-975-9828 | TEL: 323-210-4098



Expert Team

### 1 Contact us

Click "sold by Muzata" below "add to cart" button

### 2 Fill in a form

answer some easy questions

### 3 Custom design

Recommend materials + shopping list + budget



Support Team

### 6 Tech support

Via email and phone call

### 5 DIY installing

follow our videos

### 4 Buy everything in 3 minutes

follow the shopping list

# 04

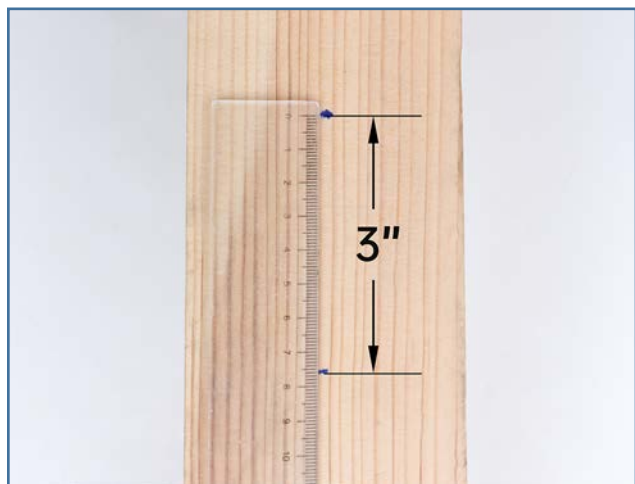
## Installation

### Things to Know Before You Get Started

- Please consult your local office for building codes and make sure you know all the requirements of the codes. Some states might have special rules of their own. You should choose carefully to comply with them. We can't promise everything to comply with all the codes of every state.
- It is recommended to do some planning work and estimate a budget. Please contact us if you need help with that. You might want to buy a few more materials than expected since some materials could be used by operation mistakes. Especially swage terminals and wire ropes.
- It is suggested to be 2 person project.
- When electric instruments (Electric drill, Cutting Machine) are used in the installation process, please be careful.
- Please note that products made of T304 stainless steel can't work for projects within 10 miles of sea. They will also get rusty easier than expected when being near salt water or in highly humid conditions.

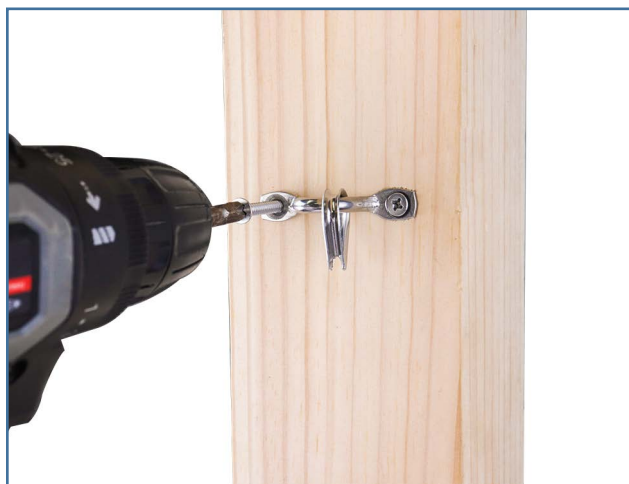
# 04-1 Cable infilling installation

## 04-1-1 General steps



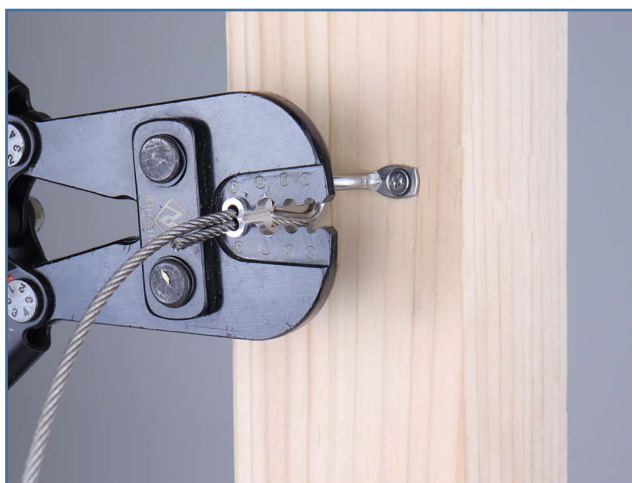
### Measure and mark

Divide the height of the post into equal sections (3" recommended) for each run and mark with a pencil.



### Install fix end terminal

Start with the terminal side, press terminal into the gap of thimble and put it into eye strap before installing them.



### Install the cable

Thread the cable into the ferrule, then thimble, pull to tighten the cable. Crimp the ferrule with a hand crimper or hydraulic crimper. Crimp twice to make sure it is firm enough.



### Measure and cut

Expand the tensioner, draw the cable to the other side to measure the cable length between two posts. Leave a suitable room and cut the wire rope with a cable cutter.



### Install the tensioner

Install the tensioner into the gap of a thimble and put it into the eye strap before installing them. Thread the cable into the ferrule, then thimble, pull to tighten the cable, and crimp the ferrule with a hydraulic crimp.



### Tensioning

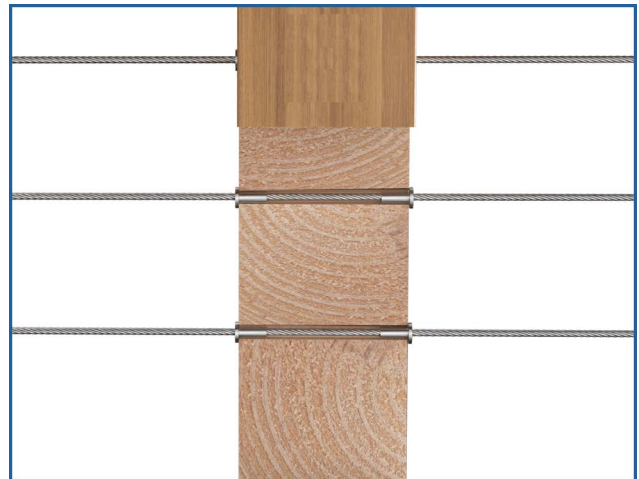
Tighten the cable by rotating the tensioner, then fix the tensioner with the two nuts.

## 04-1-2 Intermediate posts related

### Level intermediate posts



Drill straight holes with 7mm drill bit and drill guide CT19

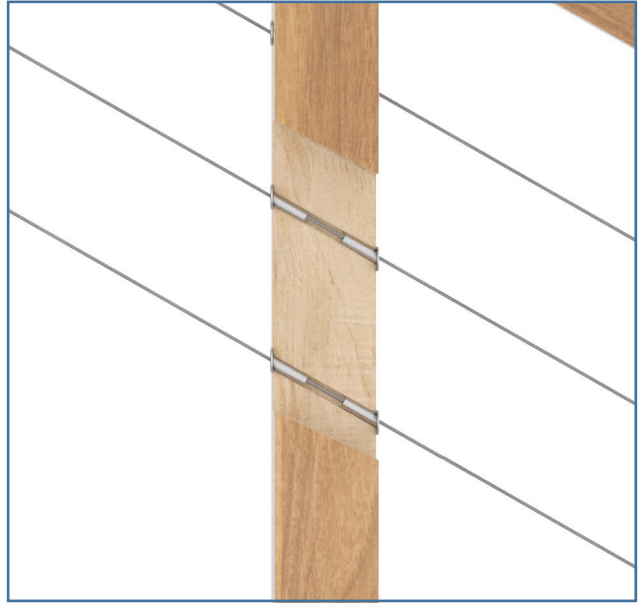


- 1) Put CR13 in
- 2) Let the cable goes through

## Angle intermediate posts



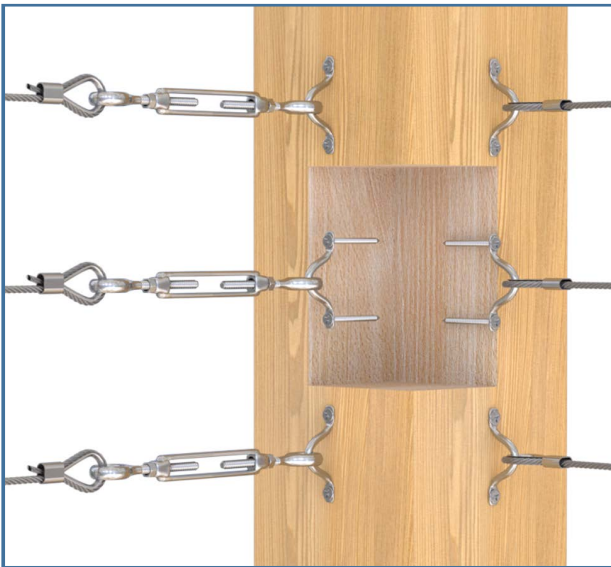
- 1) Choose the closest angle on the drill guide according to your stair angle.
- 2) Drill accurate angle holes with CT19



- 1) Put CR68/CR67 in
- 2) Let the cable goes through

## 04-1-3 Corner solution

### Single post

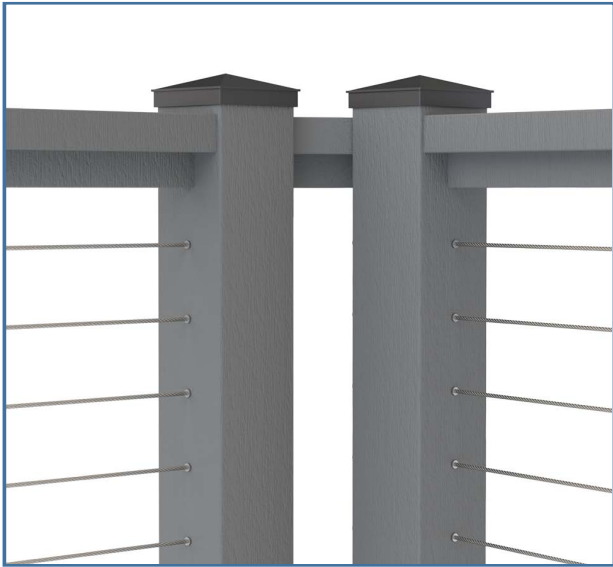


Option1: Use two terminals on adjacent sides of the post.



Option 2: An adjacent pre-drilled post to go with 2 protector sleeves CR69 to bear force and let the cable go through the corner. The size of corner post must no less than 4" x 4".

## Two posts

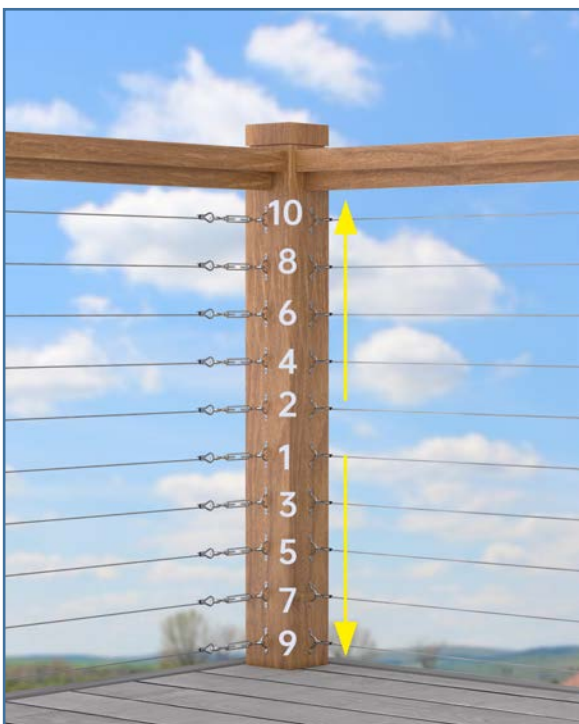


Option 1: End the cable line at the corner and start a new one



Option 2: Use level protector sleeve CR13 to bear force and let the cable goes through the two posts with a 45° angle.

## Notes



1. Please follow the sequence to tighten the cables as shown in the left image.
2. For swage tensioners, please preserve some tensioning range in case the cable gets loose due to temperature change in years.
3. Install infilling on stairs is pretty much the same as level sections.



4. If your local building code requires 4" sphere test. The tension is recommended to be around 200 lbs to pass the test. You can buy a tension gauge online or local store.

# Congratulations ! You're done

Please feel free to contact us via phone call or email if you have any questions.

✉ support@muzata.com

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