

# **CK07** User Guide

1600700(20221130)

## 1. Overview

Muzata CK07 is a beginner-friendly cable tensioner kit that belongs to Muzata WoodEasy ( with plain color ) and Muzata WoodBlack (with black color ) cable railing system. Muzata CK07 is wide adjustable and does not need any pre-drilling. You can install by yourself without a contractor. You can use Muzata CK07 for multi angle stairs as well as level railings. The T316 stainless steel material of CK07 made it ideal for both indoor and outdoor projects, even seaside projects.

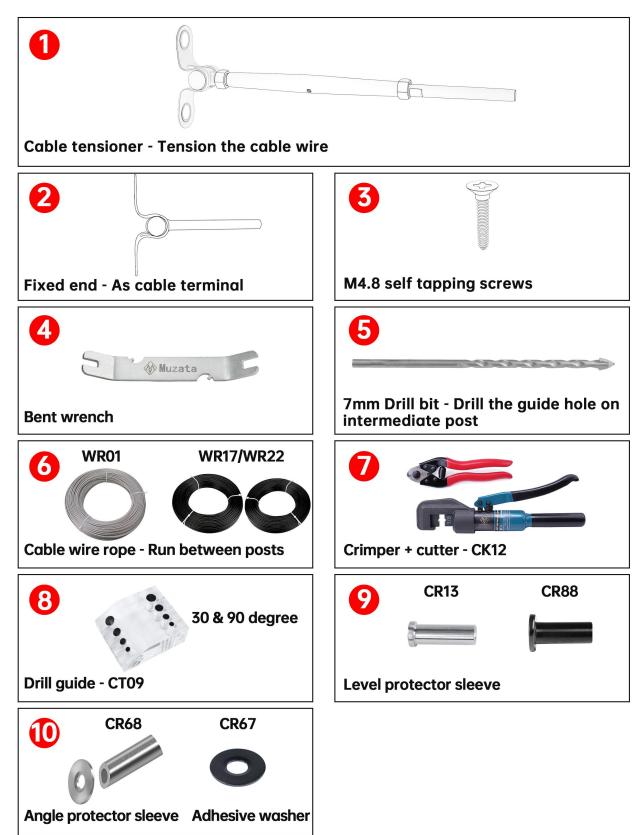
## 2. Specifications



Model	Material	Size for wire rope	Surface treatment
CK07	T316 stainless steel	1/8"	Plain/Black

## 3. Items related

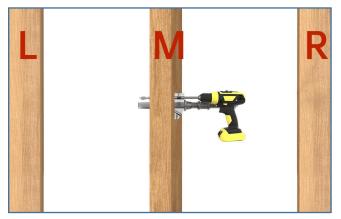
There are two colors of Muzata CK07: plain and black for you to choose. Below are all accessories and tools related to CK07. Please note that not all the items are necessary for you and some of them might not be included in your package. You might have to buy them separately if you need them.



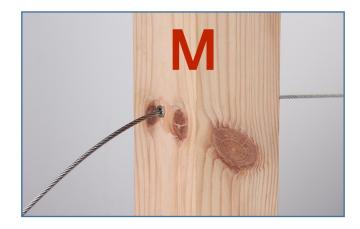
### 4. Installation steps

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

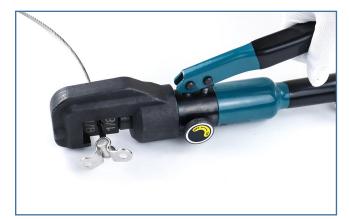
#### 4.1 Installation steps



**Step 1 -** Locate hole positions with drill guide **3** and drill holes with drill bit **5** on all intermediate posts for cable to go through.



Step 2 - Insert the cable through all the intermediate posts and 2, then install 2 on all intermediate posts.



Step 3 - Swage fixed end 2 with the cable wire rope 6 end by crimper 7.



**Step 4 -** Locate fixed end **2** on the left end post, mark holes.



Step 5 - Use screws 3 to fix 2 on the left end post.



**Step 7 -** Use screws **3** to fix tensioner **1** on the right end post.



**Step 9 -** Pull the cable straight, mark the cable at the flatten part (point A) and cut at point A with cutter 7.



**Step 6 -** Locate tensioner **1** on the right end post, mark holes.



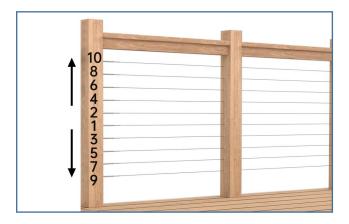
**Step 8 -** Loosen tensioner **1** to extend the turnbuckle to about 3/4.



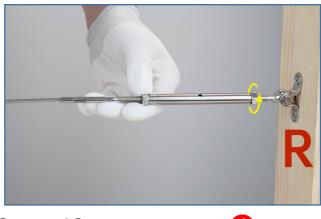
**Step 10 -** Crimp the right end of cable with the CK07 tensioner by crimper 7.



**Step 11 -** Clamp the terminal with a plier, use bent wrench 4 to tighten the cable.



**Step 13 -** Follow the shown sequence to finish the other runs.



**Step 12 -** Fix tensioner **1** with two nuts to prevent loosening.

#### 4.2 For stair railing



Step 1 - Locate hole positions with drill guide 3 and drill holes with drill bit 5 on all intermediate posts for cable to go through.



Step 2 - Install angle protector sleeve i on all intermediate posts.



**Step 3 -** Pass cable **6** through all adhesive washer **10** and intermediate posts.



Step 4 - Swage fixed end	
with the cable end by crimper 🚺	).



**Step 5 -** Locate fixed end **2** on the left end post, mark holes.



**Step 6 -** Use screws **3** to fix **2** on the left end post.



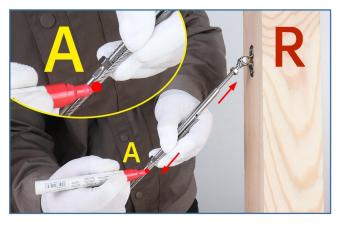
Step 7 - Locate tensioner 1 on the right end post, mark holes.



**Step 9 -** Loosen tensioner **1** to extend the turnbuckle to about 3/4.



Step 8 - Use screws ③ to fix tensioner ① on the right end post.



Step 10 - Pull the cable straight, mark the cable at the flatten part (point A) and cut at point A with cutter 7.



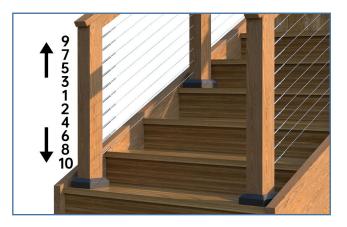
**Step 11 -** Crimp the right end of with the tensioner **1**.



Step 13 - Fix tensioner **1** with two nuts to prevent it from loosening.



Step 12 - Clamp tensioner ① with a plier, use bent wrench ④ to tighten the cable.



**Step 14 -** Follow the shown sequence to finish the other runs.

## 5. Tips

(1) Ensure that your posts and handrail are properly installed before you 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 than36" to meet residential building codes of most states. Please consult your local buildingoffices 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 charging.

## 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.