



# **MetalTalent Cable railing top mount posts**

## User Guide

1600498(221021)



## 1. Overview

MetalTalent aluminum cable railing posts provide a cost-effective and friendly solution for cable railing projects. You can assemble all the parts easily with the modular design. The posts are versatile for drilling any hole types, to work as horizontal, angle, and corner posts. The quality black powder coat makes it ideal for indoor and outdoor projects, even for seaside projects.

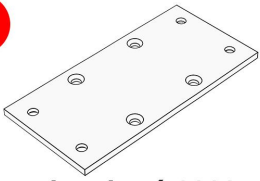
## 2. Post Specifications

Model	SPEC (mm)	Mount type	Bracket type	Hole type
PD01 BHAS	832 X 50 X 50	Top mount	Angle top bracket	Level drilled
PD01 BNAS	832 X 50 X 50	Top mount	Angle top bracket	Undrilled
PD02 BHAS	874 X 50 X 50	Top mount	Flat top bracket	Level drilled
PD02 BNAS	874 X 50 X 50	Top mount	Flat top bracket	Undrilled
PD01 BNAL	987 X 50 X 50	Top mount	Angle top bracket	Undrilled
PD02 BNAL	1029 X 50 X 50	Top mount	Flat top bracket	Undrilled

### 3. Post and accessories related

Here are all the accessories and tools related to this series. 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.

**1**



**Flat top bracket (1298063)**  
Connect the handrail and post

**2**



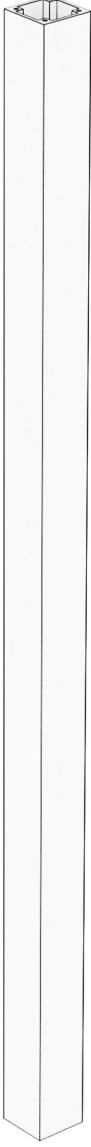
**M5 self tapping screws (1002009)**  
Fix bracket to wood handrail

**3**




**M4.8 self drilling screws(1002018)**  
Fix bracket to metal handrail

**4**



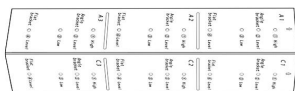
**Aluminum post**  
Work as support posts

**5**




**M4.8 self tapping screws(1002002)**  
Connect base and post, connect bracket and post

**6**



**Drill template (1801001)**  
For marking hole positions

**7**



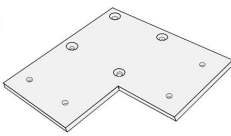
**Step drill bit (1001011)**  
For drilling holes on posts

**8**



**M8 hex lag screws (1002054)**  
Fix the base to deck

**9**



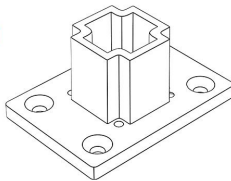
**Corner connector (1298063)**  
Connect the handrail and corner post

**10**




**Foot cover (1298051)**  
Cover the top mount base

**11**




**Top mount base (1298064)**  
For fixing posts on floor

**12**



**Flat angle bracket (1298062)**  
Connect the rectangle handrail and post for stair railing.

**13**



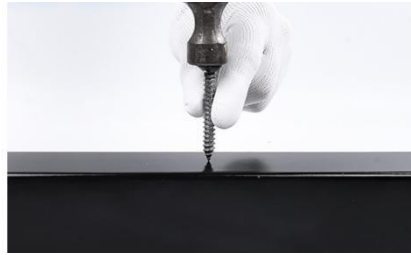
**Curve angle bracket (1298079)**  
Connect the round handrail and post for stair railing.

# 4. Installation steps

## (1) Hole drilling (Only for undrilled posts)



**Step 1** - Mark hole positions with **6**, check the manual of **6** for how to do holes positioning.



**Step 2** - Punch on the mark with a hammer and a big screw **3** attached to get a pit, which will prevent slipping while drilling.



**Step 3** - Drill the holes with **7**, choose the right hole size according to your terminals. Usually it will be 10mm.

## (2) Top mount posts installation



**Step 1** - Assemble **11** to **4** from bottom.



**Step 2** - Fix them with **5** from bottom of **11**.



**Step 3** - Place **4** on floor, mark **4** position in the holes of **11** with a pen.



**Step 4** - Drill guide holes with a 1/4" drill bit for screwing **8**. Add a wood block to reinforce the deck if it is not on a beam.



**Step 5** - Install post with **8**. Use an Allen wrench to tighten them.



**Step 6** - Place **10** to cover the **11**.

### (3) Brackets installation



Install bracket with ⑤. The bracket type varies according to post types you choose.

### (4) Handrails installation

This post can work with both wood and metal handrails. We will take aluminum handrail as an example. Please note that the installation of wood and stainless steel handrails will be a little different.

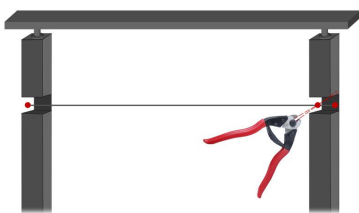


**Step 1** - Place the handrail above the bracket, mark the holes position on handrail.



**Step 2** - Connect handrail and bracket with ③.

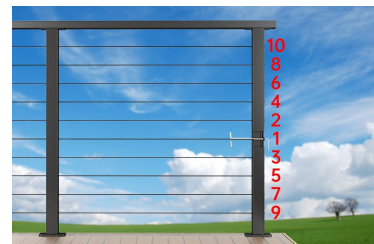
### (5) Cable infillings installation



**Step 1** - Measure the cable length and cut the cable for the need of your cable tensioner.



**Step 2** - Swage the cable to terminal and install the cable terminal to end post.



**Step 3** - Tighten the cable by rotating the tensioner with a corresponding tool. Check the Tips for more details of code compliance.

## 5. Tips

- (1) It is suggested to get a partner for installing.
- (2) Ensure that your posts and handrails are properly installed before you start cable infillings installation.
- (3) You might need to buy a few more materials than needed as backups in case some materials might not be reusable after operation mistakes. The recommended post spacing between two posts is 3ft-4ft, no more than 4ft. When working with our 6'6" handrails, 3'3" post spacing would be best.
- (4) The overall height of the railing (including handrail) should be equal to 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.

## 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.