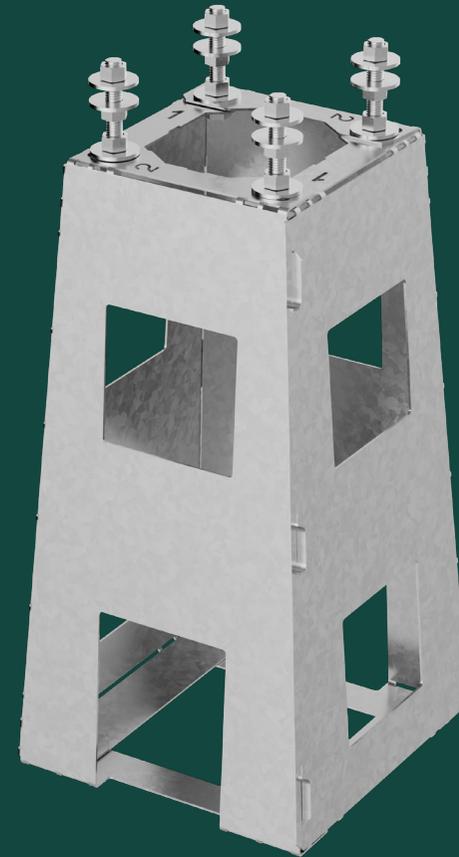


ONEPOLE

Installation Manual - Base Mount | QBB2P



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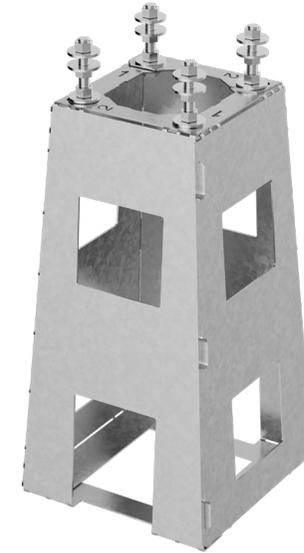
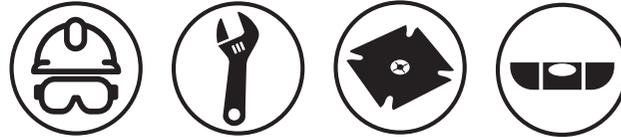


ONEPOLE PRO Base Mount

The ONEPOLE PRO Base Mount QBB2P provides a robust, durable, and eco-friendly foundation for charging stations (pedestals) and bollards. Utilizing advanced materials and innovative design, the base mount ensures longevity and stability in various soil conditions. This guide outlines the detailed assembly and installation process.

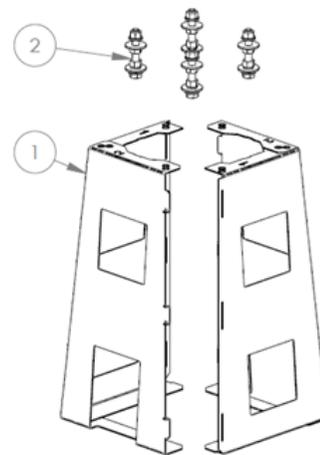
Tools and Materials Required

- Adjustable spanner/wrench (recommended)
- Personal protective equipment (PPE)
- Optional: Leveler or ONEPOLE PRO Bullseye Leveler



Scope of Delivery

- (1) Two Main Parts of the Foundation: Two double halves designed to be assembled to form the base mount.
- (2) Mounting Kit: A bag containing all necessary bolts, nuts, and washers for installing ONEPOLE PRO pedestal



Installation

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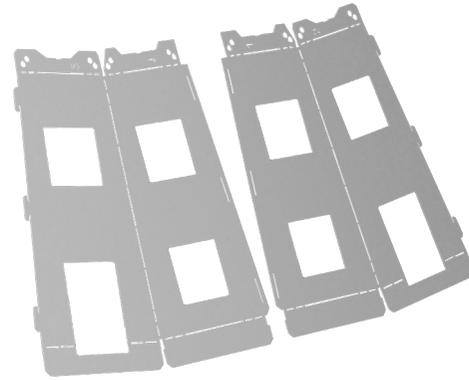
Watch video:



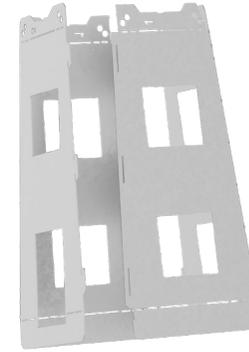
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Rev.3.0 - 2025

1 Bend Main Components:

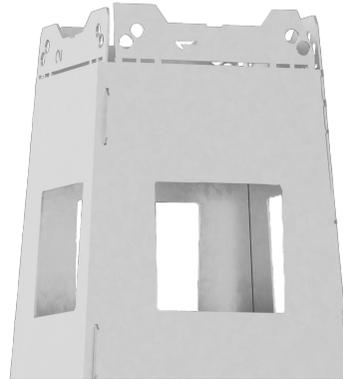


Step 1.1: Unpack the two primary components of the base mount.



Step 1.2: Bend each component to a 90-degree angle using manual force.

2 Join the parts:



Step 2.1: Align the tabs on the first component with the corresponding slots on the second component.



Step 2.2: Insert the tabs into the slots to interlock the two components.

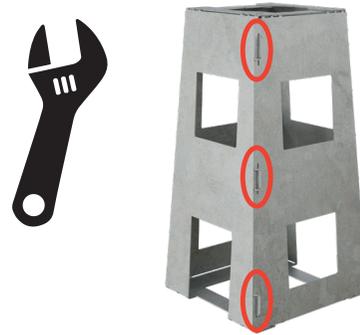
Step 2.3: Ensure that the parts are fully engaged and aligned properly before proceeding to the next step.

Installation

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3 Secure and Lock the Tabs:



Step 3.1: Utilize an adjustable spanner (wrench) to bend and lock the tabs in place. There are six tabs, three on each side of the assembled double halves.



(Top/bottom)



(Middle)

Step 3.2: Pay close attention to the specific bending requirements:

-The tabs located at the top and bottom serve a guiding function and should be bent on one side only.

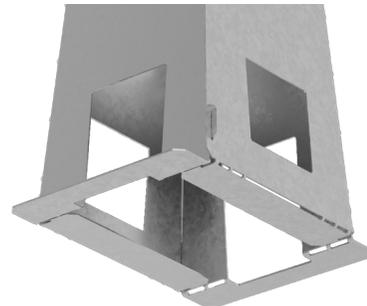
-The tab in the middle is the locking tab and must be bent on both sides to ensure maximum stability and securely interlock the two halves.

4 Stabilize the Base:



The stabilization of the base is dependent on the type of soil. It is the sole responsibility of the installation crew to assess and determine the appropriate method for stabilizing the base.

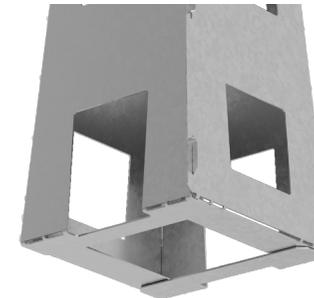
Avoid repeatedly bending the foot flaps back and forth, as this compromises the material integrity and increases the risk of breakage.



Option A (Advised for Sandy Soil):

Step 4.1: Bend the two opposite flaps outward to enhance stability in sandy or loose soil conditions.

Step 4.2: Bend the remaining two flaps inward.



Option B (Advised for Hard Soil):

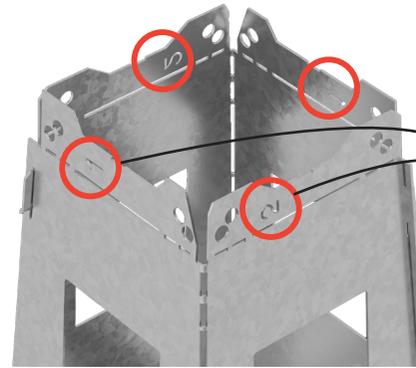
Step 4.3: In hard or compact soil conditions, bend all four flaps inward to secure the base mount.

Installation

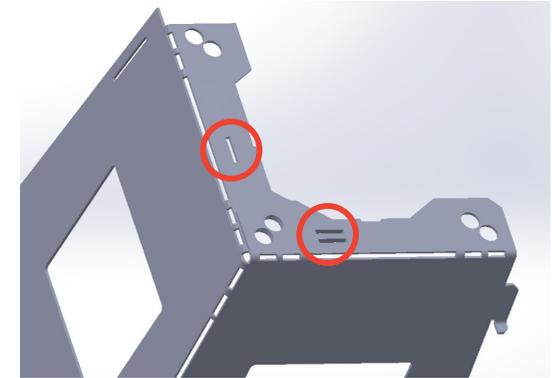
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5 Secure the top:

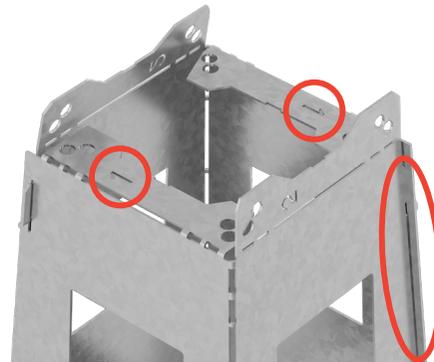


1 and 2: for illustration purposes only.

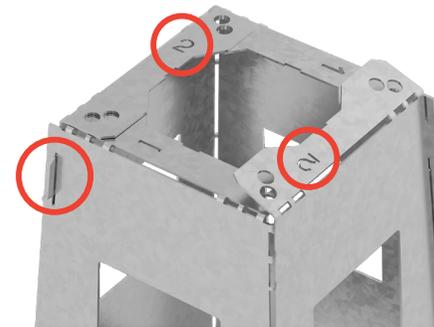


As shown in the image, the marking on the top flaps corresponds to the actual markings I and II on the product.

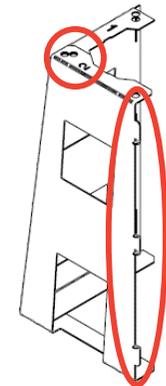
Step 5.1: The top of the base mount has four sides marked with numbers I and II (1 and 2).



Step 5.2: Follow the sequence for bending: First, bend the top flaps marked with I (the top flap on the vertical plane with slots)



Step 5.3: Subsequently, bend the top flaps marked with II (the top flap on the vertical plane with tabs)

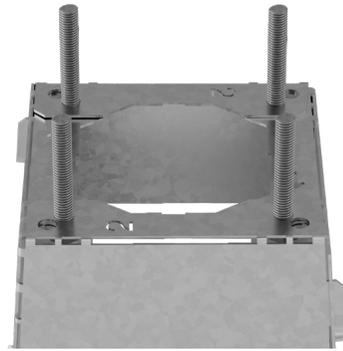


Step 5.4: Use the adjustable spanner to achieve precise bending and ensure a secure fit.

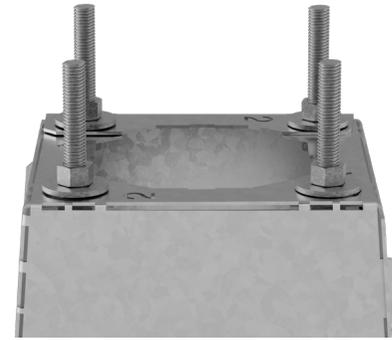
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6 Install Bolt Set:

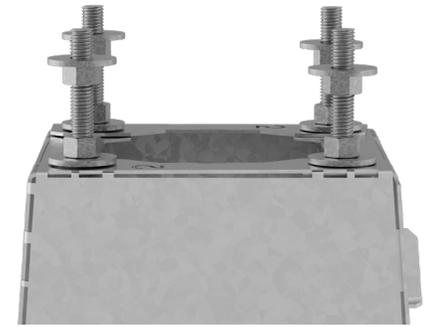


Step 6.1: Insert the bolt set into the designated holes on the top of the base mount, corresponding to the footplate size of the pedestal (CC160 or CC140). Begin by inserting the bolts from the bottom of the top flaps.



Step 6.2: Add an M12x3 washer and an M12 hex nut and tighten to secure the top of the base.

Use an adjustable spanner (wrench) to tighten all bolts securely.



Step 6.3: Add another M12 nut and an M12x3 washer to level the base, preparing it for the installation of the ONEPOLE PRO pedestal.

Verify that all bolts are adequately tightened to ensure structural integrity.

7

Preparation

- a. Identify and mark the designated area for installing the deep foundation. Ensure that the area is free from any underground cables or obstacles.
- b. Excavate the area to the required depth and dimensions according to the foundation being used. The excavation should ensure that the foundation rests securely in the ground and is level. When using the Onepole Pro Base Mount, the recommended excavation depth is 65 cm, with a working width of 130 × 130 cm.
- c. Start by laying a 15 cm layer of gravel/crushed stone at the bottom of the trench. Then, compact the material to create a solid, level base before proceeding. The height from the bottom of the trench to ground level should be 50 cm.

Foundation Placement

- d. Position the foundation in the trench, ensuring that the cable slots align with the cable routing. Ensure that the top of the foundation is level with the ground and that the bolts are aligned parallel with the markings and any adjacent foundations in the row. Make the necessary adjustments to ensure that the foundation aligns with any pre-marked reference points.
- e. Place the conduit pipes/cables in position and fill the inside of the foundation with crushed stone to secure it in place. Adjust the foundation to ensure it is vertically straight (plumb) and level before proceeding to the next step. We recommend using our specially designed Onepole Pro Bullseye Leveler for quick and accurate installation.

Stabilization and Backfilling

- f. Ensure there is adequate clearance around all sides of the foundation before starting the backfilling process. Temporarily secure the foundation with supports or braces to prevent movement during backfilling.



- g. Begin backfilling around the foundation in layers, compacting thoroughly after each layer. We recommend using gravel for backfilling, as it provides good drainage and protection against corrosion.

Final Adjustments and Inspection

- h. Perform a final inspection to confirm that the following criteria are met:
 - The backfill material is properly compacted.
 - There are no voids or areas that could lead to erosion around the foundation.
 - The top of the foundation is flush with ground level and aligns with the project plan.
 - The foundation is ready for further installation.
- i. Finally, use the Onepole Pro Bullseye Leveler to adjust the nuts to the correct level for optimal installation results before mounting the pole.

Important Notes

Surface rust may appear on Aluzinc, but this is completely harmless and will not develop further. Aluzinc is an alloy composed of 55% aluminum, 43.4% zinc, and 1.6% silicon, providing strong corrosion protection.

- If the coating is scratched or damaged, the exposed steel may begin to rust.
- In coastal areas with high salt content or in environments where roads are salted, corrosion can accelerate, especially when combined with moisture.
- Exposure to strong acids or bases can degrade the coating over time.
- If Aluzinc is exposed to constant moisture without the ability to dry, white rust (zinc corrosion) can develop, which may eventually lead to red rust. Surface rust is purely cosmetic and will not spread further.
- The surface rust is completely harmless and will not develop further.

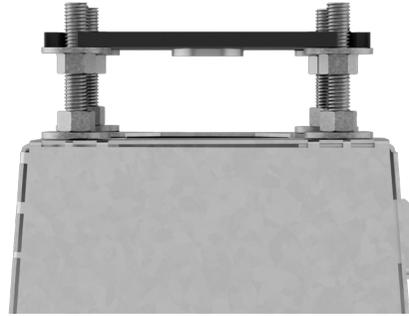


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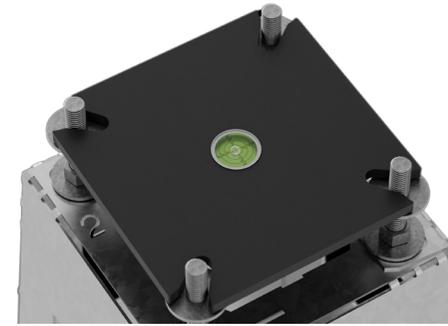
8 Level the Base Mount for Mounting the Pedestal:



Step 8.1: Attach the ONEPOLE PRO BULLSEYE Leveling Tool (or a universal leveller) to the base mount.

Step 8.2: If the base mount is not level, identify the areas that need adjustment.

Step 8.3: Loosen the M12 nuts slightly using the adjustable spanner.



Step 8.4: If the base is too high, tighten the M12 nuts to lower position and vice versa.

Step 8.5: In case where a standard leveller is used: Reposition the leveller across different axes of the base mount (e.g., front-to-back and side-to-side) to ensure comprehensive levelling.

Step 8.6: Continue adjusting the M12 nuts and washers as described in Step 7.4 until the bubble in the BULLSEYE/leveller remains centred in all directions.



Step 8.7: The base mount is now ready for installing the pedestal using the final set of M12 nuts and washers.



Step 8.8: Place the pedestal's footplate onto the bolts of the foundation. Insert the plastic washers between the footplate and the steel washers to protect the top of the footplate. Finish by securing with the final set of M12 nuts. Plastic washers are supplied with the pedestal.

Safety information

Personal Safety: Always wear appropriate personal protective equipment (PPE) such as gloves, safety glasses, and steel-toe boots during installation.

Proper Handling: Handle all tools and components with care to avoid injuries.

Public Safety: To prevent injuries from protruding bolts, consider installing a safety lid or protective plastic bolt caps. For additional information, please contact ONEPOLE.

Contact information

For further assistance, please contact our support team:

Email: support@onepole.no

Phone: +47 488 53 563

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4628 Kristiansand, Norway

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