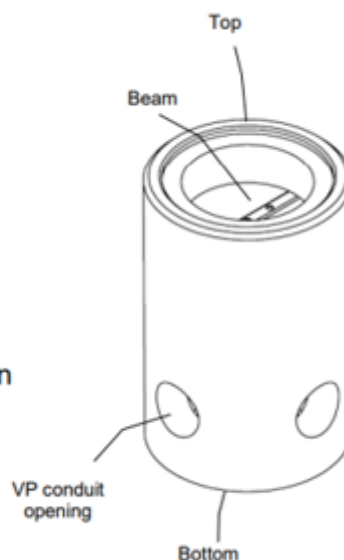


INSTALLATION MANUAL UNIMI-1BASE™ CONCRETE



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- Weight: ca 100 kg / 220 lb
- Hight: ca 600 mm / 24 in
- Outer diameter: 400 + 2 mm / 16 in



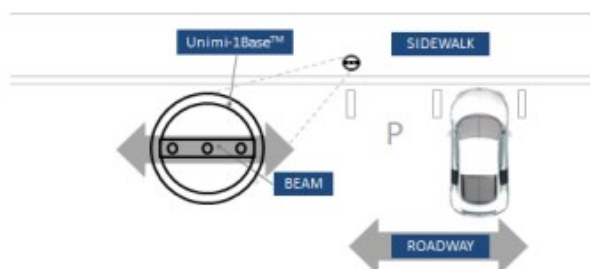
- The Unimi-1Base™ foundation is designed for anchoring of EV charging stations in the ground, predominantly in the outdoor public environment.
- This installation manual serves as guidelines and function alongside any local building codes for similar applications. If in conflict, the local building codes supersede these instructions.
- The foundation is equipped with 4x110 mm (4 inch) VP conduit openings positioned in 90-degree angles from one another allowing easy multiple cable entry. Unused entry holes shall be covered with the supplied plastic conduit covers alternatively re-filled inside, with either excavated masses or gravel, to just above the conduit opening.
- The foundation needs to be placed in a cavity large enough so that the excavated ground masses can be trampled/vibrated both underneath and on the sides of the foundation. Ensure that the masses are packed thoroughly at bottom and on the sides.
- Recommended min cavity dimensions are 800x800x800 mm depending on ground stomp/vibrator used.
- It is further recommended that the surrounding masses are of self-draining material such as mixed stone gravel or macadam with packable characteristics (0/16 or 0/32 mm).
 - The top of the foundation shall be flush with the final ground surface level, allowing pedestrians and lighter traffic to pass over it without the foundation constituting a tripping or driving hazard if the foundation is installed in “dormant” mode with a manhole cover over it. (Manhole cover supplied separately)

INSTALLATION MANUAL UNIMI-1BASE™ CONCRETE

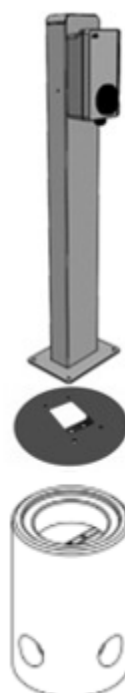
- Suggested orientation of the attaching beam inside the foundation is shown in the picture below



Orientation of the foundation member and metal beam
[view from above]



- Most adaptors will be fastened using only one center screw (M12x90 mm) making the adaptor rotatable at the foundation top, however if larger charging stations are anchored, all three attachment points might be needed and then the orientation of the beam will become important
- Before attaching the station specific adaptor, make sure that the foundation rim is clear of any small gravel that might make the adaptor wiggle after installation
- Attach the adaptor with the accompanying M12x90 mm screw(s) (1-3 pcs) thru the bracket of the adaptor into the beam inside of the foundation
- Maximum torque on the screw is 18 Nm. Greater torque will start to deform the bracket which is part of the patented functionality serving as a protection to keep the position of the foundation intact in the ground in case of any vehicle driving into the charging station.
- The picture to the left serves as a conceptual drawing – the adaptor and EV charging station may vary depending on station manufacturer



Any AC charging station

Specific adaptor

Unimi-1base concrete

INSTALLATION MANUAL UNIMI-1BASE™ CONCRETE

- If optional integrated Unimi-1base concrete crash protections are part of the installation, these shall be installed so the pervading screws (1) of the bollards are just above ground level. This to ensure easy switch of damaged poles (2) in case of any vehicle crashing into it

