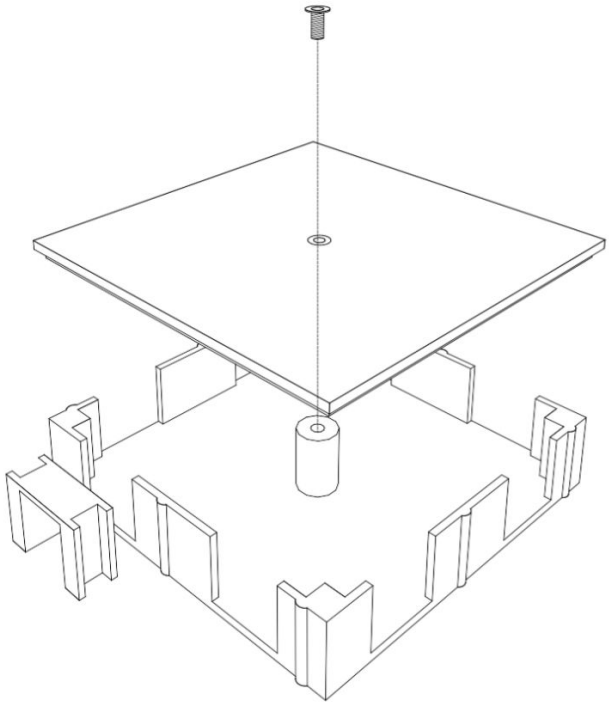


Product Descriptions

Content **Page**

Overview 1

Transfer module 2

Foundation module 3

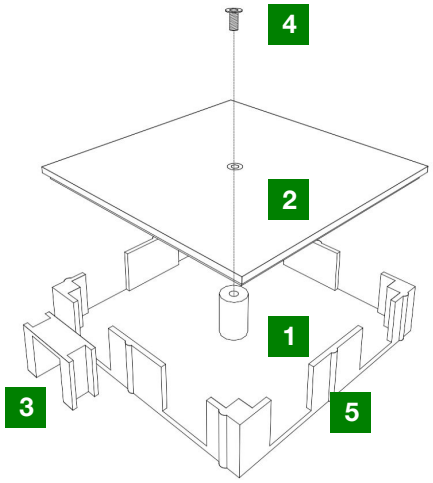
Connector 4

Security fasteners 5

Appendix - Construction and Product Dimensions 6

Version 2026-08-06

Website www.addel.se
Email hello@addel.se
LinkedIn addel-se
WhatsApp +46 708 999 101



Overview

The products eliminate excavation. They are used to house electric power cables from a power source to an electric outlet. An example is EV charging post. The power cables are protected from mechanical stress and vandalism. Existing pavement is replaced with our products between a house facade and the curb.

Parts

1 a lower part - box
2 an upper part - cover
3 connector(s)
4 security fastener
5 integrated distances

Description

The box has openings where the electrical cables are placed. Multiple boxes are connected with each other with “connectors”. The connectors protect the power cables from ground movements and vandalism. A safety fastener holds the box and the lid together. The safety fastener protects from unathorized access. The distances ensures a distance to connecting modules and surrounding tiles (see the appendix).

Material and load class

The products are made of recycled cast iron. They are designed for load class B 250, that is, they can withstand a load of 25 tonnes. This load class is suitable for footpaths / walkways, pedestrian traffic areas and similar as well as car parks, parking decks, etc. Certification in accordance with SS-EN 124-2 is in progress.

Dimensions

This document covers the standard design sizes. Other dimensions are available on request. Length, width and thickness can be customized to your specifications.

Coating

The box, the cover and the connector are painted grey or black upon delivery. The part will turn light brown after a while as all cast iron objects in public environments.



1 2



3

Transfer module

Standard Dimensions

The table below covers the standard design dimensions. Other dimensions are available on request.

Figure	Part number	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)
1	61-01	350	350	50	15
2	61-02	350	350	65	17
3	61-03	700	175	65	17

Please note: the dimensions refers to the construction dimensions, please see the appendix.


a

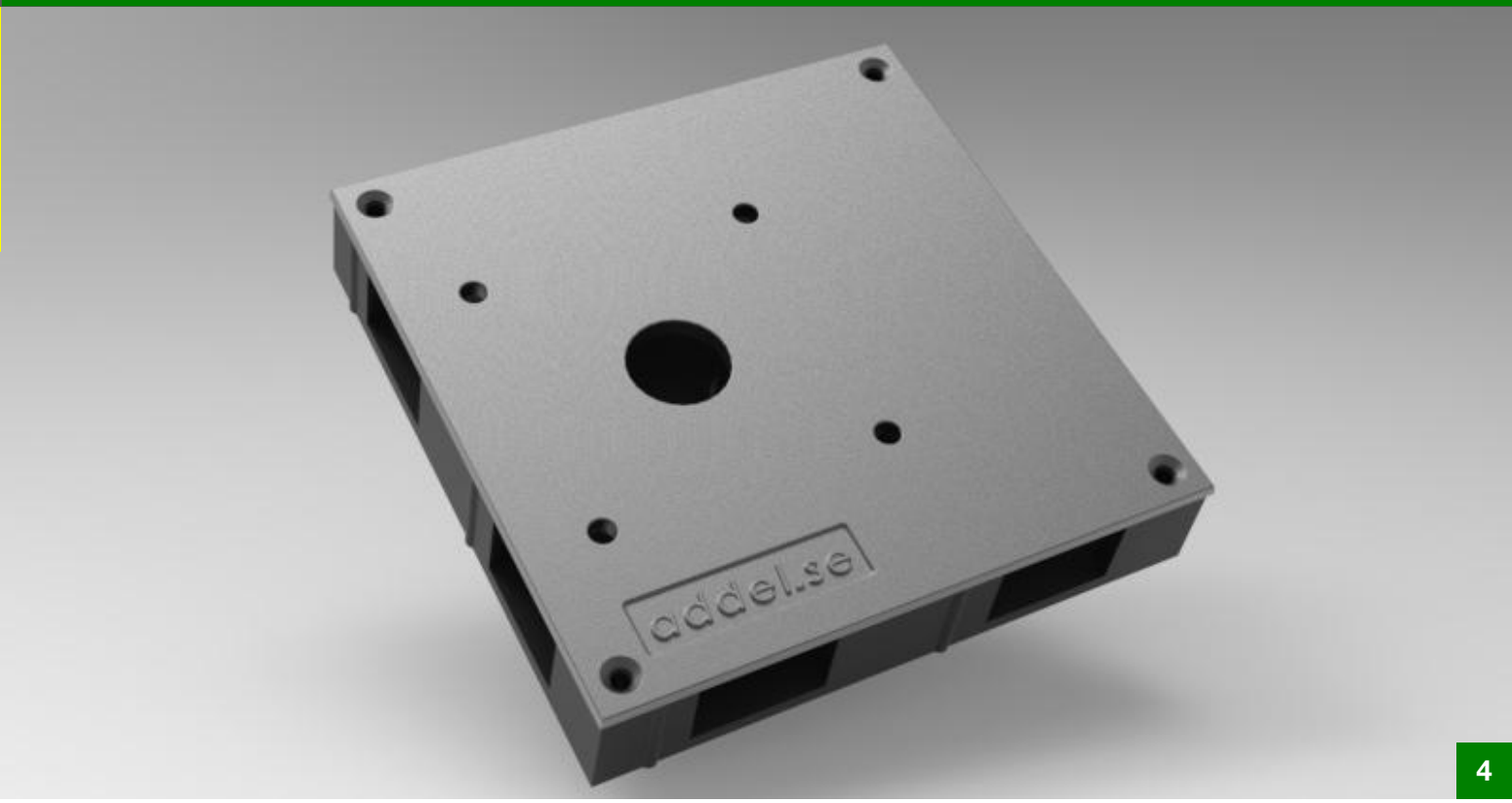

b


c

Standard Covers

Standard covers include plain, classic and tactile patterns. Customized covers with, for example, logos are available upon request.

Figure	Name	Description
a	Smooth	Imitate a concrete slab surface with a rugged surface
b	Classic	Imitate traditional cast iron found in streets i.e. manholes, etc
c	Tactile	Assist pedestrians who are visually impaired



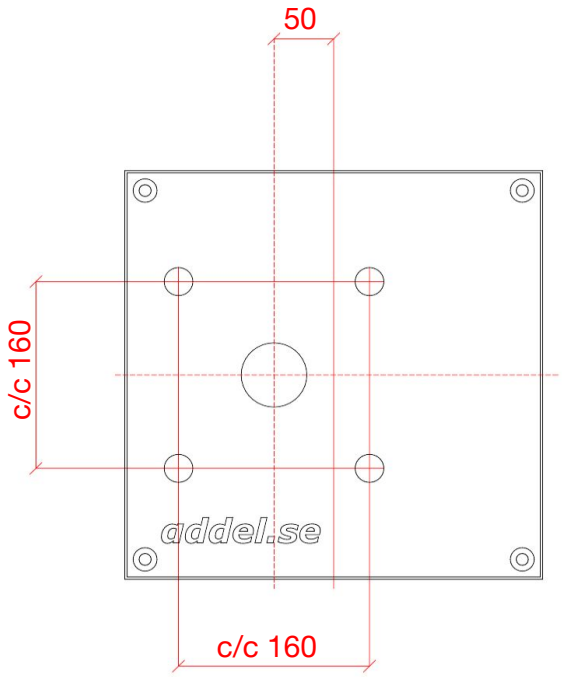
4

Foundation module

The foundation module serves as the base for a standard charging post as shown belown to the right. A 50 mm offset enables 3 different distances to the curb.

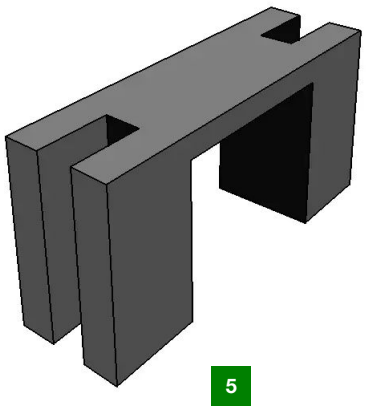
The standard charging post consists of a Ø60mm steel tube with a welded base plate with 4 holes Ø24mm and a c/c distance of 160mm. We recommend a height of 750 mm.

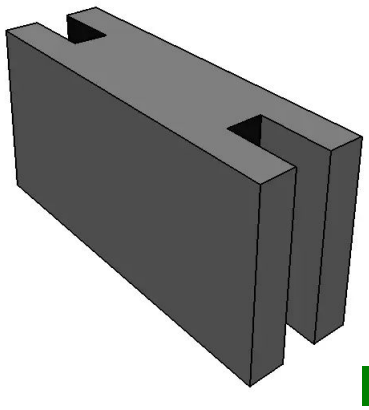
Figure	Part number	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)
4	63-01	350	350	65	17





Standard Charging Post


5


6

Connector & Spacer

Description
The connector and the spacer are accessories to the transfer module. Depending on the implementation, it is recommended that the connector is always used and the spacer is used when necessary.

The connector and the spacer are made with a “loose fit” for easy assembly as well as allowing small angular changes between modules depending on ground movements.

Connector 62-1
The connector has an opening and is placed over the cable(s). The connector protects against mechanical stress if subsidense in ground occurs. The connector also protects the cables against sharp objects penetrating from above between the modules in the event of vandalism attempts.

Spacer 62-2
The spacer is used to establish a larger space than the integrated spacers. The space must be filled with sand to be able to handle heavy loads from above making the modules and the slabs to work together. The spacer is available in various thicknesses.

Figure	Part Number	Name	Description
5	62-1	Connector	Protects from ground movements and vandalism
6	62-2	Spacer	Creates a larger space than the integrated spacer



6-lobe pin type



5 lobe pin type



Solok™ type

Security Fasteners

Security fasteners safeguard against theft and vandalism but also deal with stringent Health & Safety Law to keep the public safe.

We offer 3 types of security fasteners:

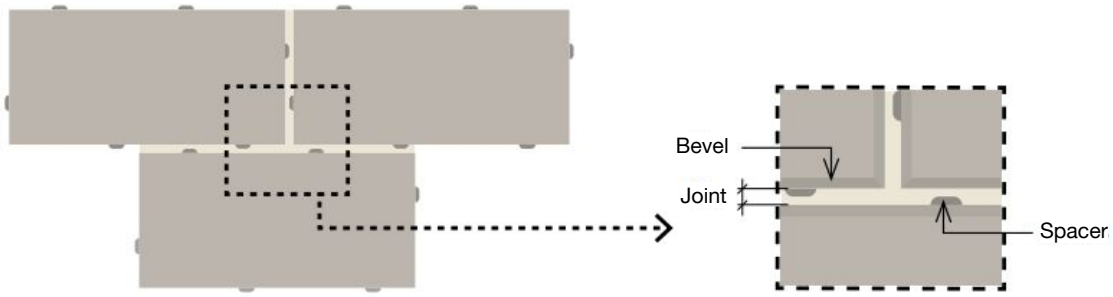
1. **6-lobe pin** - offers protection from vandalism and opportunistic crime. Driver tools can be purchased by the general public
2. **5-lobe pin** - less common and less recognisable. Driver tooling is non-standard and harder for the general public to buy
3. **Solok™** Highest security available. Products require bespoke exclusive, custom made driver tools to remove.

The security fasteners are countersunk machine screws. They are made of A2 stainless steel in the size M10x25.

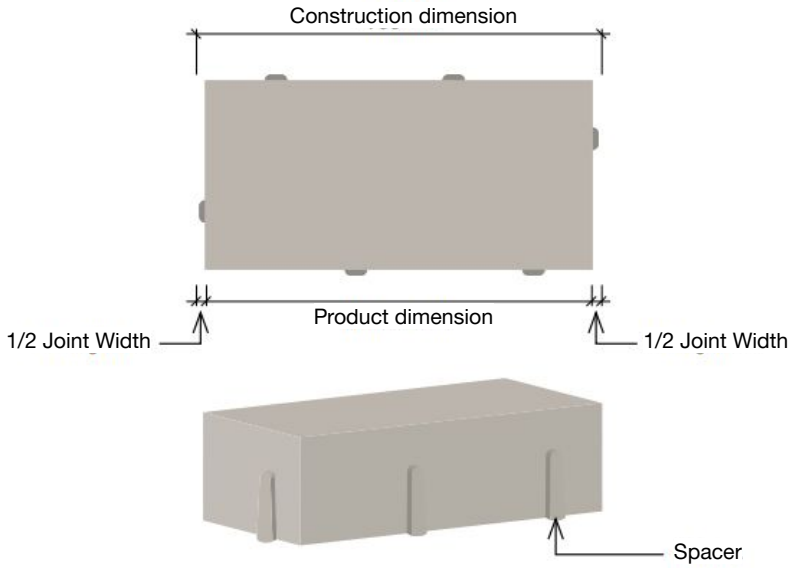
Website www.addel.se
Email hello@addel.se
LinkedIn addel-se
WhatsApp +46 708 999 101

Appendix - Construction and Product Dimensions

Concrete slabs have spacers on the sides to ensure a joint as described below.



To facilitate a minimum joint, there are usually 1–2.5 mm thick spacers on the sides of the tiles/paving stones.



Construction dimensions - The dimensions that manufacturers specify for their paving stones or slabs are the construction dimensions. The construction dimensions are the dimensions used in planning and construction because they include the slab or paving stone's product dimensions including the recommended joint width (i.e. half the joint width on each side of the stone, see image).

Product dimensions - The actual length and width of the paving stone or slab, excluding any spacers. The product dimensions are subject to requirements according to Swedish Standard SS-EN 1338/1339, where a permissible dimensional tolerance is specified. The variation in the product dimensions is taken up by the joint and the setting material. The joint width and the thickness of the setting material sometimes need to be adjusted to take up the variation in product dimensions that occurs during the manufacture of the product. This applies in particular to joints where paving stones or slabs with different construction dimensions are combined in prescribed patterns and when machine-laying modules.

Source: https://svenskmarkbetong.se/media/d2civcqc/svensk_markbetong_plattor_och_marksten_av_betong-210927v2.pdf

Website www.addel.se
Email hello@addel.se
LinkedIn addel-se
WhatsApp +46 708 999 101