

***Sim Pedals Sprint
Baseplate
product manual***

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You have acquired a Heusinkveld Sim Pedals Sprint Baseplate! This product provides a solid mounting platform for your Sim Pedals Sprint.

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Introduction

This is the manual for the Heusinkveld Sim Pedals Sprint Baseplate, an optional accessory for the Sim Pedals Sprint. We advise you to read it thoroughly in order to get the most enjoyment out of your pedal set.

Table of contents

This manual has the following main sections:

- Introduction.
- Schematics.
- Installation.

Packing list

The Sim Pedals Sprint Baseplate box contains the following:

Main parts:

- 2x Powdercoated C-bracket.
- 1x powdercoated pedal plate.
- 1x bead blasted heel plate.

Pedal plate mounting:
4x M4 countersunk bolt.
4x M4 flanged nut.

Heel plate mounting:
4x M4x 20mm heel rest spacer.
4x M4x 40mm heel rest spacer.
4x M4 countersunk bolt.
4x M4 flanged nut.
4x M4 washer.

Pedals mounting:
12x M5x12mm bolts.
12x M5 washer.
12x M5 flanged nut.

Rig mounting:
4x M5x12 bolt (hex head).
4x M5x16 bolt (hex head).
8x M5 washer.
4x M5 nylock nut.
4x M5 T-nut.

Tools:
1x M2 hex key.

Tools

All tools required (hex keys and wrenches) to follow the instructions are either included with the baseplate or in the accessory box of your Sim Pedals Sprint.

The supplied flange nuts are self-gripping and don't require a wrench in order to keep them in place. Hold the nut with your fingers to stop it initially rotating and the nuts should self grip

In case they do slip, the following wrenches are needed:
7mm for M4 (pedal mounting plate and heel rest plate).
8mm for M5 (pedals to mounting plate).

Videos

In the Support section of the heusinkveld.com website you will find tutorial videos further demonstrating a number of the instructions shown in this manual.

Manual version & digital download

This is **version 1.2** of the manual. The latest version of this manual can always be found in the Support section at heusinkveld.com.

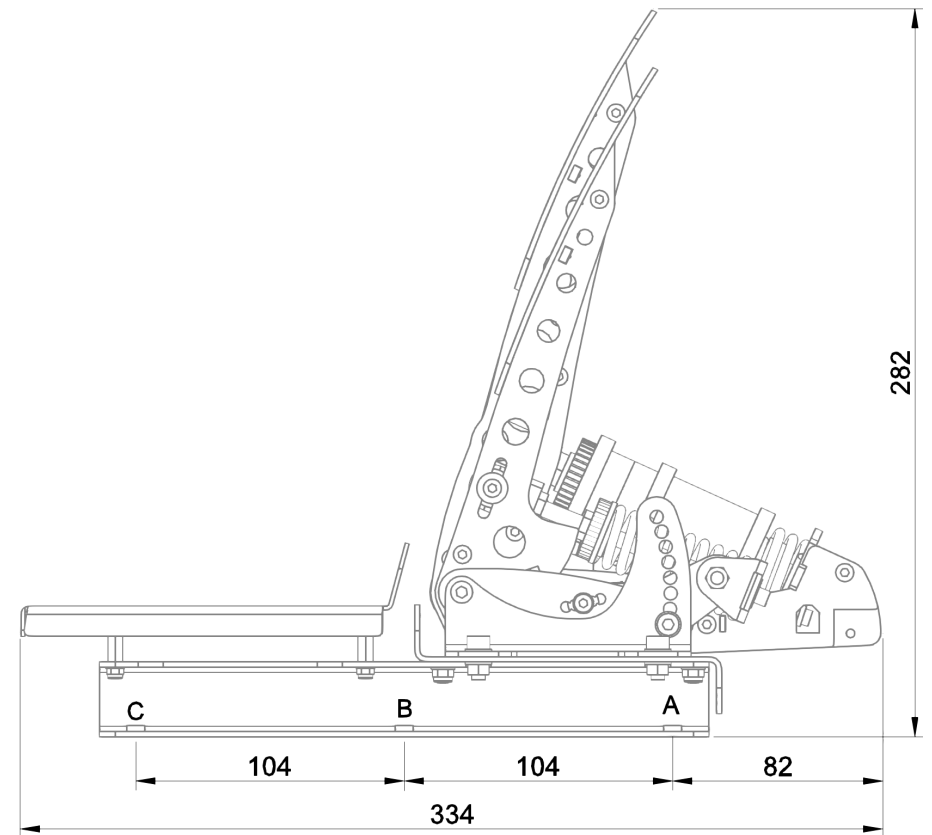
Contact

If you have any questions which are not covered in this manual or in the instruction videos, feel free to send us an email at support@heusinkveld.com.

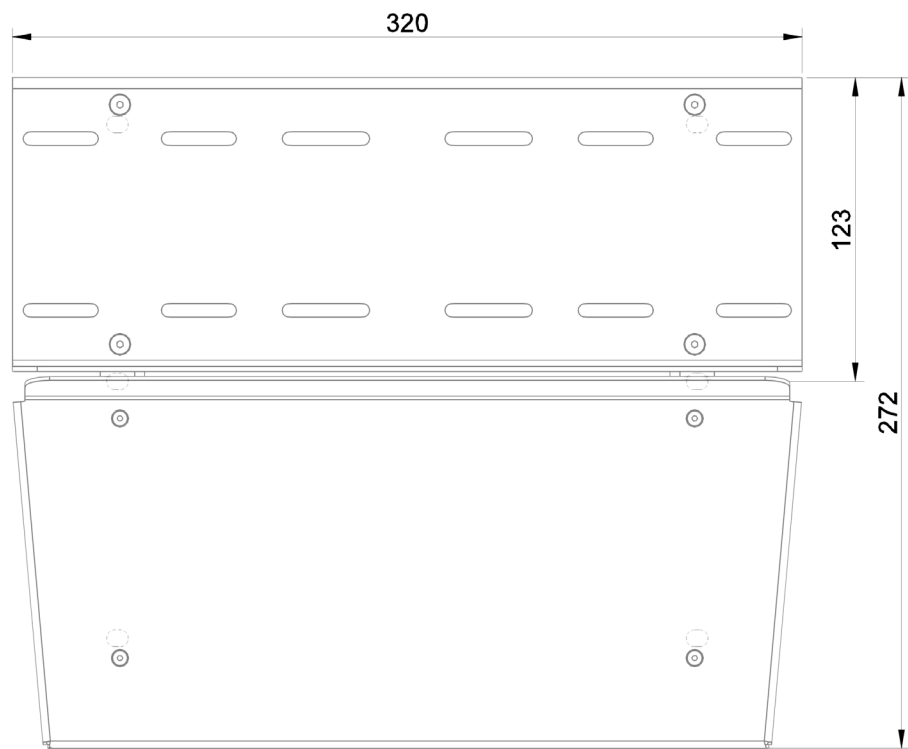
Schematics

This section shows the main dimensions of your Sim Pedals Sprint Baseplate.

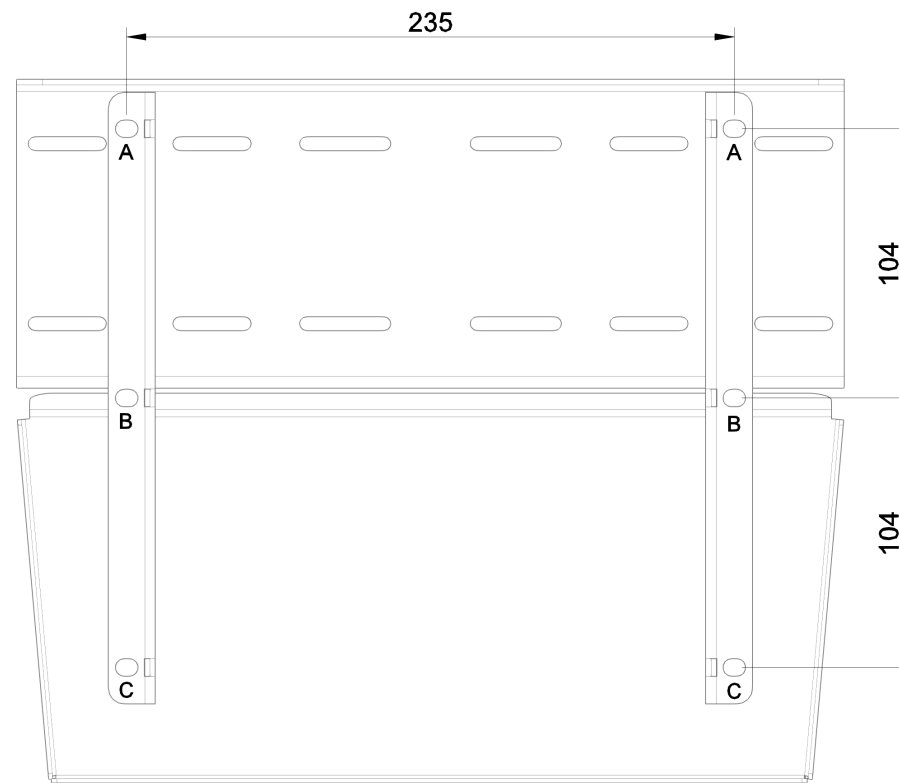
All dimensions are in millimeters (mm). The bottom mounting points for your Sim Pedals Sprint Baseplate have a width of 235mm. This is compatible with the mounting holes for TM T3PA and T3PA Pro (235mm) pedal sets.



Baseplate with 20mm raised heelplate and pedals installed.



Baseplate, top view.



Baseplate, bottom view.

Installation

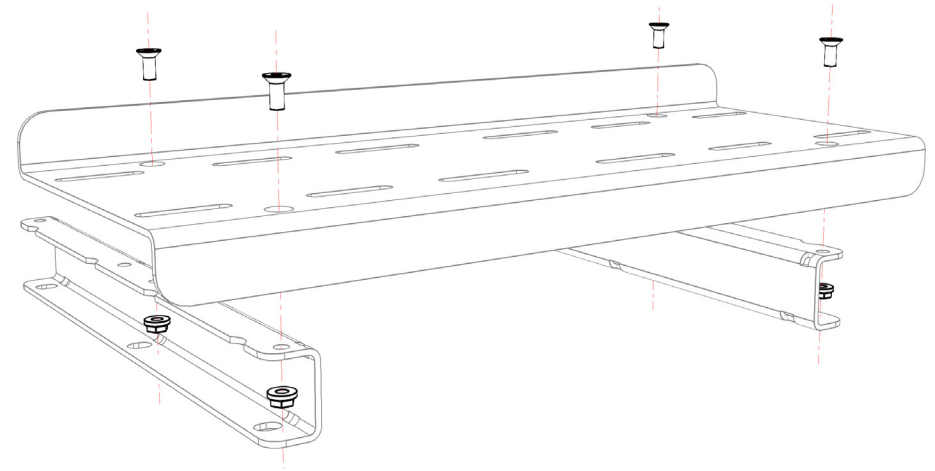
This section explains how to assemble the baseplate, mount the pedals and install the assembly onto your simulator. We recommend following the instructions in chronological order.

Pedal mounting plate installation

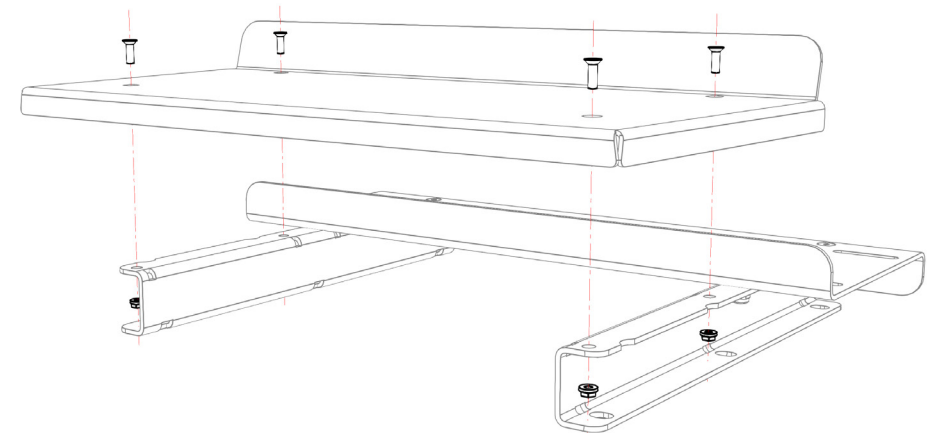
1. Locate the powdercoated pedal mounting plate and the two C-shaped brackets.
2. Determine the correct installation: Countersunk holes on the pedal plate should face upwards. The open side of the C-shaped brackets should face outwards. Use two of the four smallest holes to connect the plate to a bracket. The four holes are symmetrical, you can use either side of the bracket.
3. Mount the pedal plate to the brackets using four M4 recessed bolts and four M4 flange nuts.

Heel plate installation - lowest position

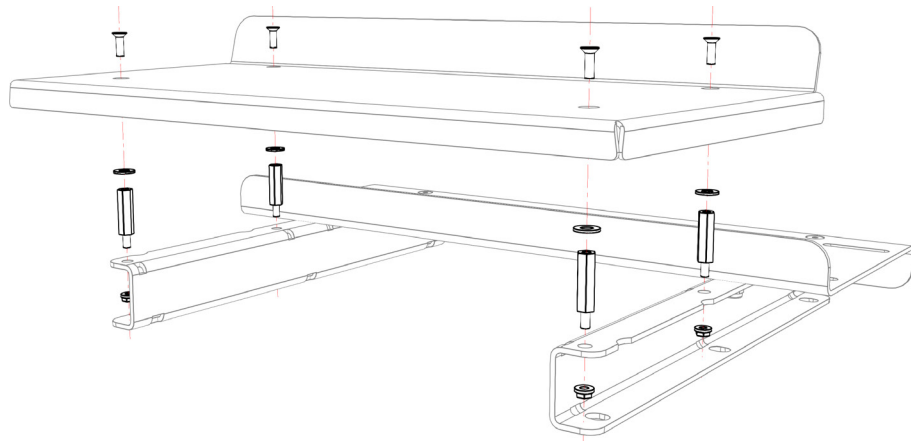
1. Locate the bead blasted heel plate.
2. Mount the heel plate to the brackets using four M4 recessed bolts and four M4 flange nuts.



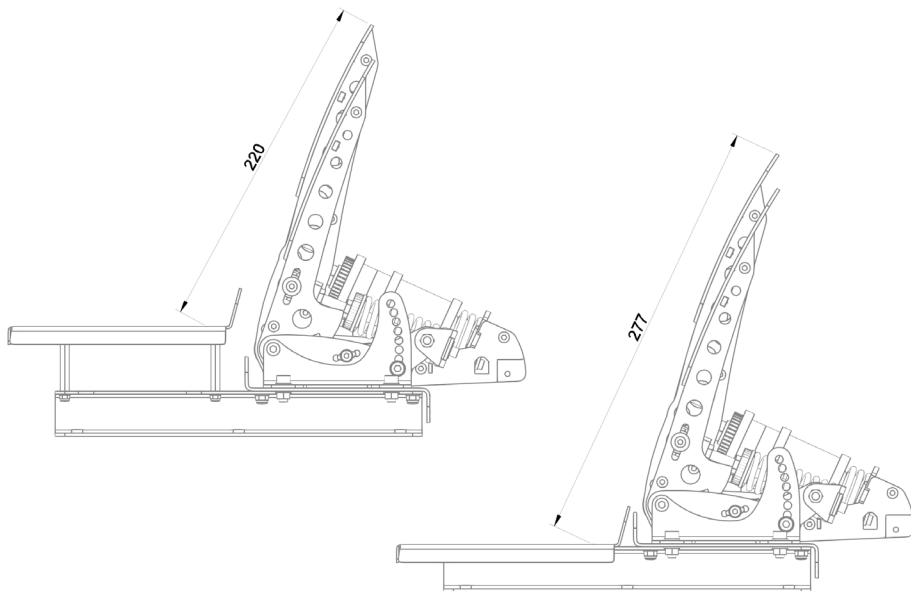
Pedal mounting plate installation.



Heel plate installation, lowest position.



Heel plate installation, raised position.



Pedals + baseplate in lowest and highest position.

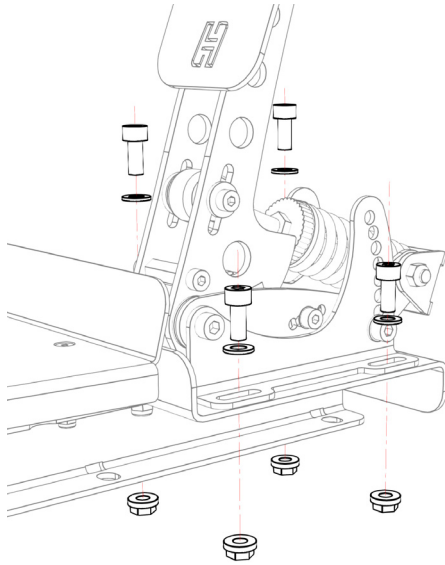
Heel plate installation - raised position

Two sets of metal spacers (20mm en 40mm length, four pieces each) are included with your baseplate. You can use these to increase the height of the heel plate. This may be usefull if you have small feet or drive without shoes. Note that you can also adjust the pedal plates on the pedal arm to achieve a similar effect.

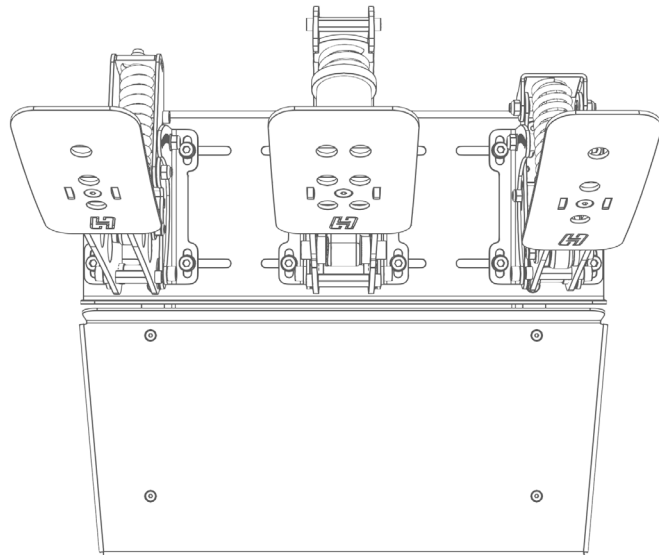
To install the heel plate in a raised position, do the following:

1. Locate the bead blasted heel plate.
2. Choose which spacer length you want to use: 20mm or 40mm.
3. Mount the spacers to the brackets using four M4 flange nuts.
4. Mount the heel plate to the spacers using four M4 recessed bolts and four M4 washers. One M4 washer needs to be added between a spacer and the heelplate.

The image on the left shows the pedals in the lowest (40mm raised heelplate and rotated pedal plates) and the highest (low heelplate and regular positioned pedal plates) position.



Mounting a pedal to the pedal plate.



Setup with 3 pedals.

Mounting the pedals to the pedal plate

Before mounting the pedals to the pedal plate, determine if you want to adjust the angle of the pedal arms. If yes, this should be done now. Refer to the Sim Pedals Sprint manual on how to adjust the pedal angle.

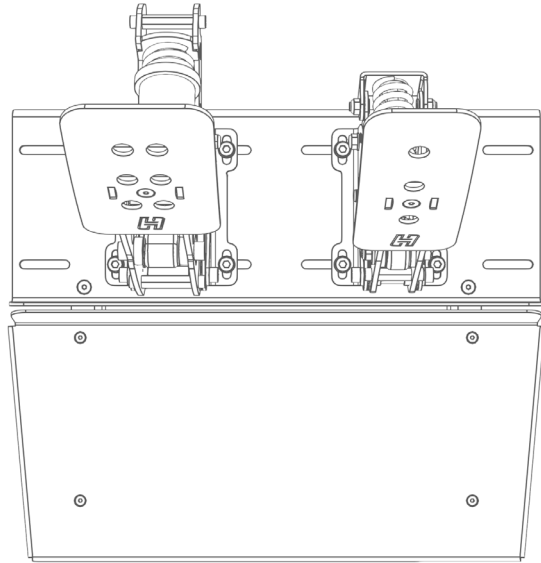
Each pedal is connected to the pedal plate using four M5 bolts, four washers (one underneath the head of each bolt) and four M5 flange nuts.

Fine tuning the pedal spacing

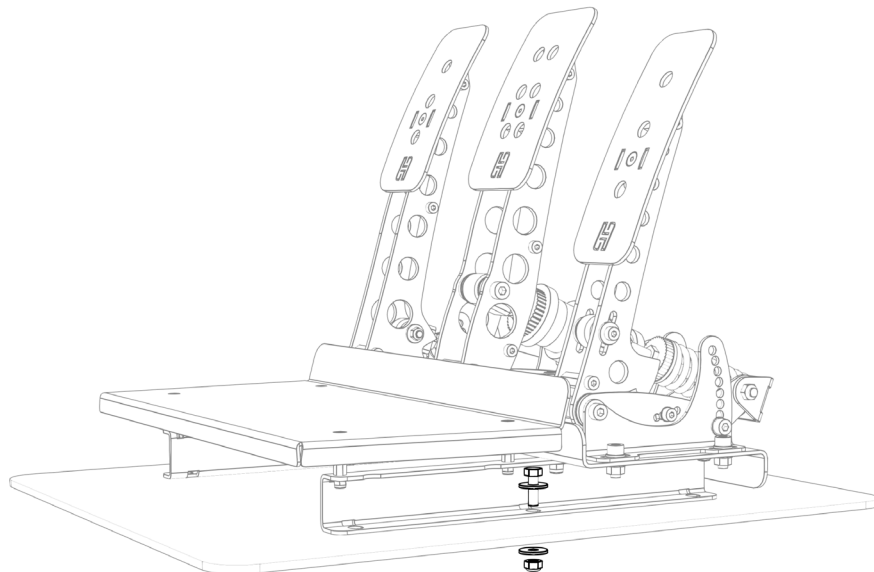
The baseplate mounting points for the pedals are slots allowing for lateral adjustment of individual pedals. The dimensions of these lateral slots are 29mm for the brake and 24mm for the throttle and clutch.

Every single pedal can also be adjusted 12,5mm backwards and forwards through the slots in the pedal feet themselves.

These slots allow you to fine tune the pedal spacing. Drivers who use right foot braking may for example find it more convenient to have the brake pedal closer to the throttle pedal compared to left-foot brakers. Also, in case of heel-and-toe shifting it may be convenient to place the throttle pedal a bit behind the brake pedal.



Setup with 2 pedals.



Mounting the baseplate to your rig - minimal mount (using two bolts).

Note on 2-pedal sets

With a 2-pedal set (no clutch) the throttle and brake must be positioned next to each other, otherwise the wire to connect the throttle to the controller in the brake may be too short. The brake must be positioned between the brackets, as the corner of the pedal plate is not designed to take high brake loads.

Mounting the baseplate to your rig

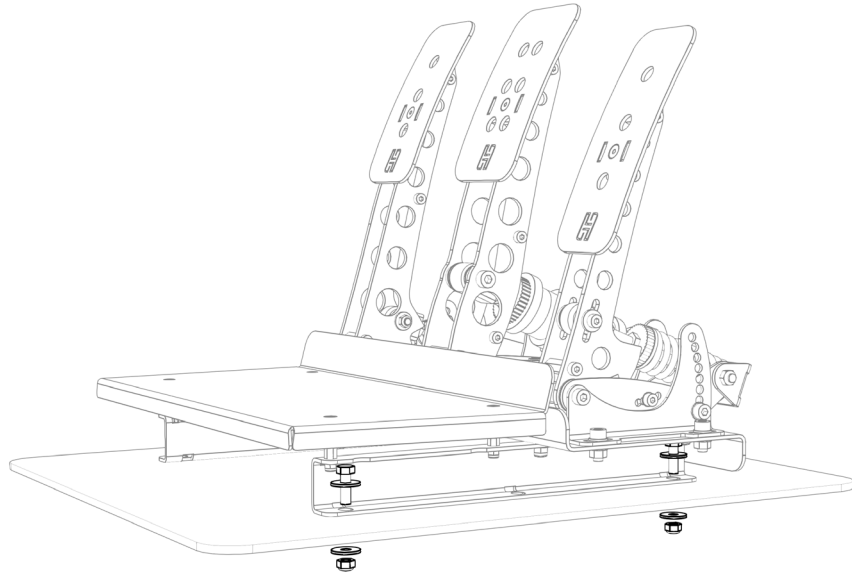
We provide the following mounting hardware to mount the baseplate to your rig:

- 4x M5x16 bolt (hex head).
- 4x M5x12 bolt (hex head).
- 8x M5 large washer.
- 4x M5 nylock nut.
- 4x M5 T-nut

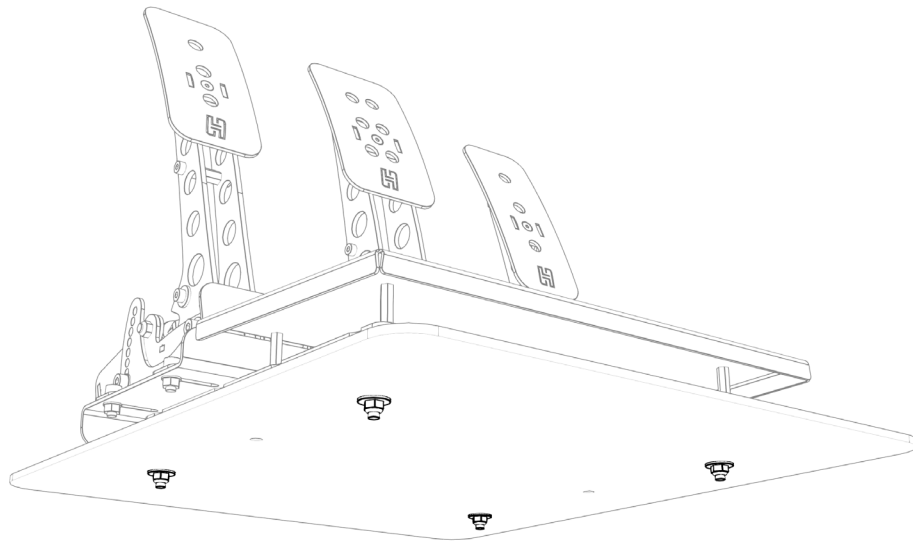
These can be used to mount the baseplate to a drilled metal plate with a maximum thickness of 6 mm (see images), or (using the T-nuts) to aluminium profiles.

Please note that you may need to use one or two M5 washers between a bolt and the C-bracket to create enough clearance for the bolt in the aluminium profile.

If you have a different kind of mounting platform underneath your baseplate, you need to source your own mounting hardware.



Mounting the baseplate - most solid mount (using four bolts).



Mounting the baseplate - most solid mount (viewed from below).

Minimal baseplate mount (T3PA/T3PA Pro mount)

There are 3 rows of mounting holes available underneath the baseplate. These bottom mounting points have a width of 235mm. This is compatible with the mounting holes for TM T3PA and T3PA Pro (235mm) pedal sets.

When using the middle row of mounting holes (row B - also see Schematics section), your baseplate + pedal setup will be roughly similar to the ergonomics of TM T3PA and T3PA Pro pedal sets. This may ease the setup on rigs which have support for those pedal types. Never use the rear row (row A) as the only mounting point.

Most solid baseplate mount

For the most solid mount, we recommend using at least 4 mounting points, ideally the rear and the front row (rows A and C - also see Schematics section).

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