ideas
for independent living inc. ®

Lift and Lock

Device Mounting for Accessibility

Ideas For Independent Living

Who We Are - What We Do

Ideas for Independent Living provides assistance to those with disabilities by offering a diverse catalogue of products and services. They include:

- Standard and custom mounting solutions to fit a wide variety of users, and devices
- Access switches, joysticks, and switch interfaces for computer and environmental control
- Seating and arm rest components
- Prosthetics and Orthotic devices
- Solutions consultations

Our off-the-shelf mounting systems are comprised of two product lines: Tube and Socket, for switch access mounting and small accessories, and, Lift and Lock for large devices and more rugged applications.

Beginning with assessment, all the way through to product support, IdeasFIL is there every step of the process.

Ideas For Independent Living

Who We Are - What We Do

Lift and Lock System on Mobility Tricycle

Custom Lift and Lock Instrument Mount

Lift and Lock Rolling Floor Stand

Lift and Lock System on Manual Chair

Custom Prosthetic Hockey Wrist

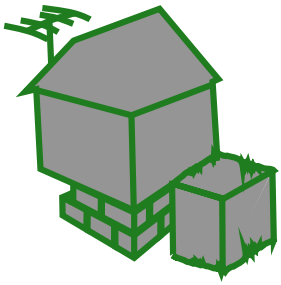
Access Switching and Custom Mounting

Lift and Lock - Our System

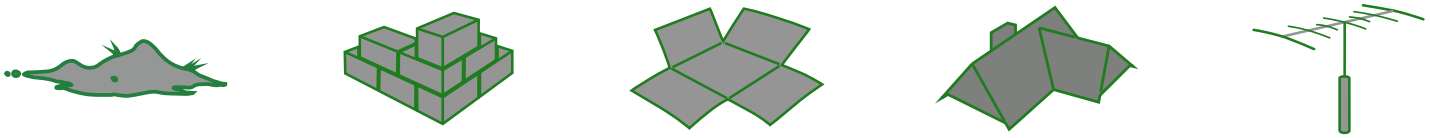
Lift and Lock is a line of modular and customizable device mounting hardware. It is designed to connect the user, their device, and their environment. Because of its extensive library of components, Lift and Lock systems are able to provide the optimal positioning for each individual, and cater to their specific needs.

Wheelchairs, walkers, standers, tables, desks, beds, walls, and floors are just some of the areas where a Lift and Lock system can be used. As for devices, Lift and Lock is compatible with a large variety of tablets, phones, laptops, speech generating devices, augmentative and alternative communication (AAC) devices, eye gaze systems, low vision accessories, and accessibility switches. Since manufacturing is proudly done in-house, new Lift and Lock parts are constantly and quickly developed, in order to accommodate the rapidly progressing field of technology.

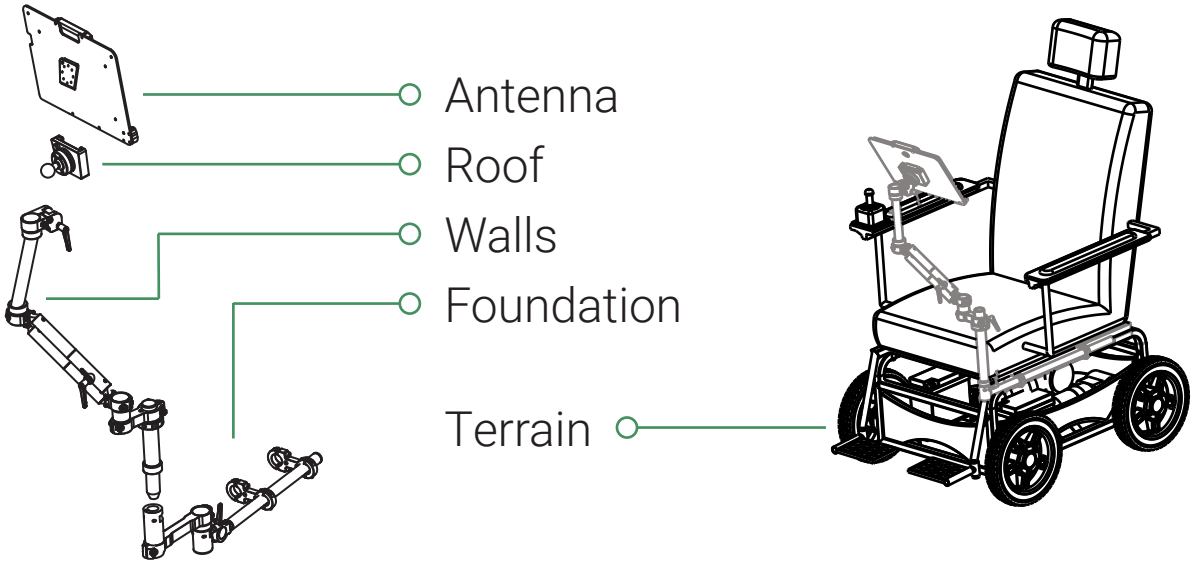
Lift and Lock - Building the System



We have developed training and assessment tools to simplify the building and designing of Lift and Lock Systems. An analogy can be drawn between the Lift and Lock System and a house. The components of the Lift and Lock System can be placed into five categories.



Terrain Foundation Walls Roof Antenna



When this method is used in tandem with our assessment form, critical information is easily communicated and will ensure the best selection of components for the user's situation. IdeasFIL will advise before, during, and after the process of building your system.

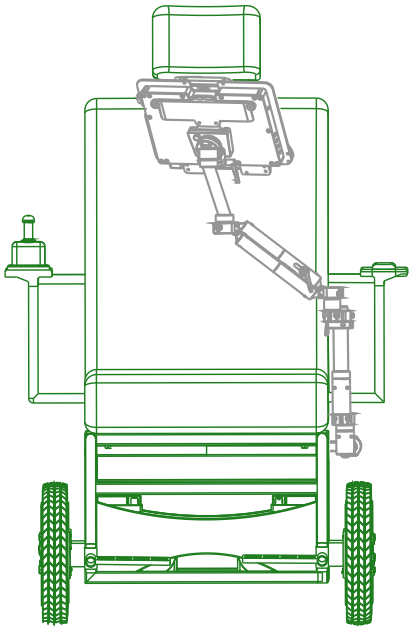
The examples shown in the following pages are a sample of Lift and Lock component offerings and do not depict all options available.

Terrain

The first step in designing a Lift and Lock system is collecting all the necessary information in regards to where the mounting system will be used and how it will be used.

Essential factors to consider are:
- Area of usage (wheelchair, table, bed, etc.)
- Type of mobility aid if applicable (manual/power wheelchair, lipped/unlipped desk)
- User's condition and habits (movements, tone, etc.)
- Number of positions
- Device specifications

Power Chair

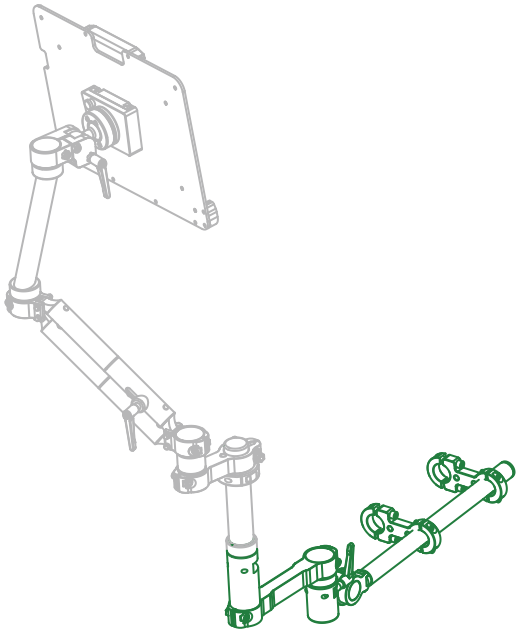


Rolling Floor Stand

Table Mounts (Table Clamp shown)

Foundation

The **Foundation** is the component, or set of components, responsible for connecting your mounting system with the physical terrain established in step 1. Each component has a specific application, be it a type or brand of chair, environment like a desk or floor, etc.



The different foundation components are:

- Direct mount sockets
- Frame clamps
- Socket bars
- Table mounts
- Floor stands

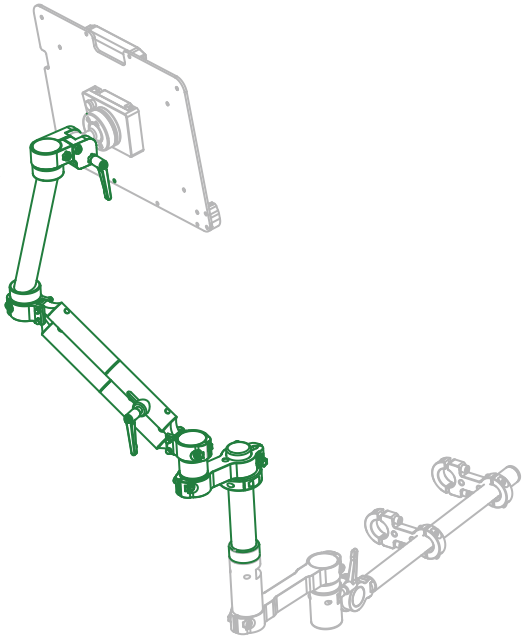
Table Mounts

Two Point Frame Clamps (For Chair Frames)

Rolling Floor Stand

Single Point Frame Clamps (For Chair Frames)

Walls



After determining what foundation is required, the next step is to build up, and out. The **Wall** components of Lift and Lock system provide the vertical, and horizontal elements of your mounting solution. Recall the usage information collected in step 1, and then select the necessary components from the following categories:

- Vertical bars
- Extension bars
- Extension assemblies
- Mounting arms

Depending on your specific use case, you may require components from each category, or just one.

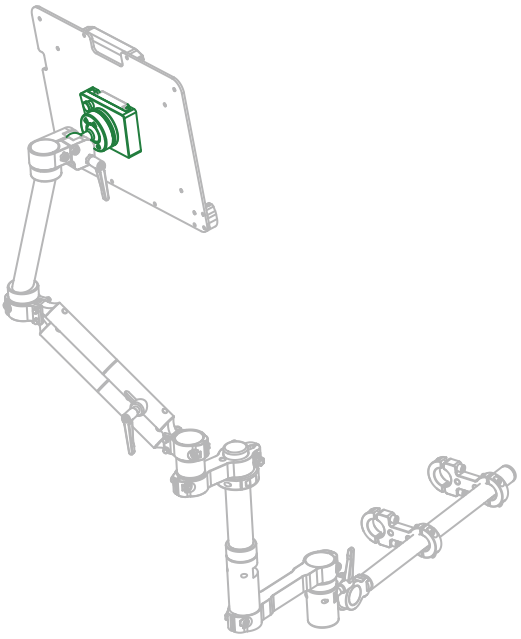
M2 Series Arms
For vertical and horizontal adjustments on the fly

Articulating Arms
For rigidity and horizontal movement

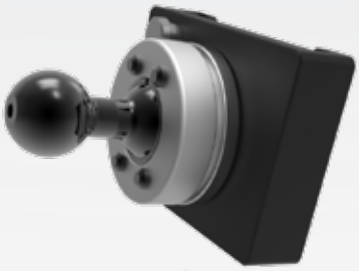
Vertical Bars
Connects arms to foundations, allows vertical reach

Vertical Extension Bars
Extend a hardware system vertically to suit a users' needs

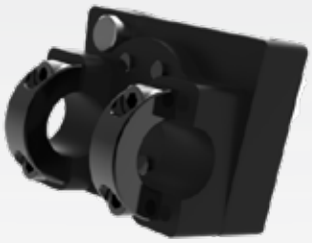
Roof



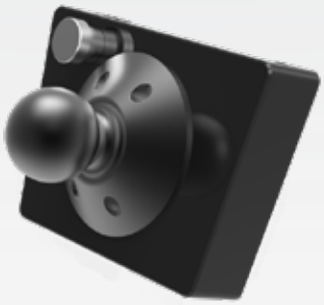
The **Roof** section of a Lift and Lock system is the wedge receiver. It is responsible for providing pivoting/rotational adjustment of your device, as well as a hassle-free method of installing, and removing your device. The appropriate wedge receiver is determined by factoring in the weight of the device, as well as the desired amount of movement.



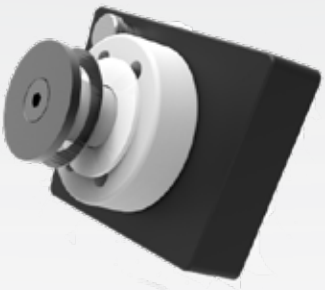
E.G. Wedge Receiver
Rotational and angle adjustment on the fly for the heaviest devices



T-Bar Wedge Receiver
For angular adjustment and rigidity

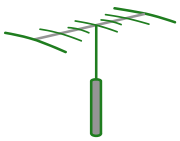


Locking Wedge Receiver
Allows rotation and angle adjustment as well as full locking

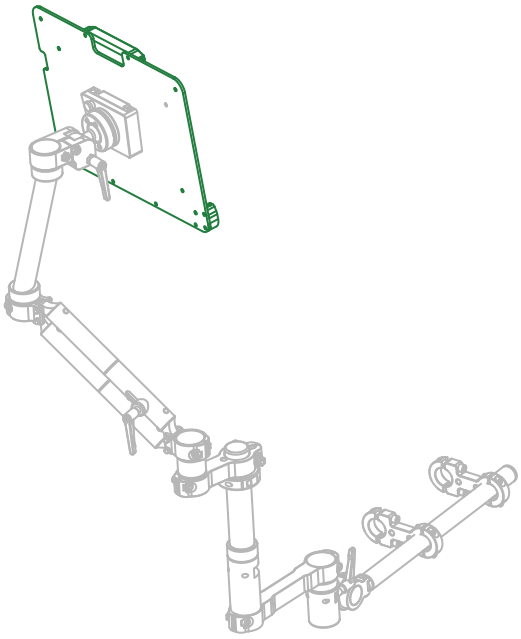


Direct Mount Wedge Receiver
Low profile with rotational adjustment

Antenna



The final piece of a Lift and Lock system is the **Antenna**, which adds an Ideas wedge to your device so it can interface with the rest of your system. In your assessment form, simply specify the device to be mounted, and we will take care of selecting the right antenna.



Tobii Dynavox i13 Plate
Attaches an IdeasFIL Wedge directly to a Tobii Dynavox i13 device

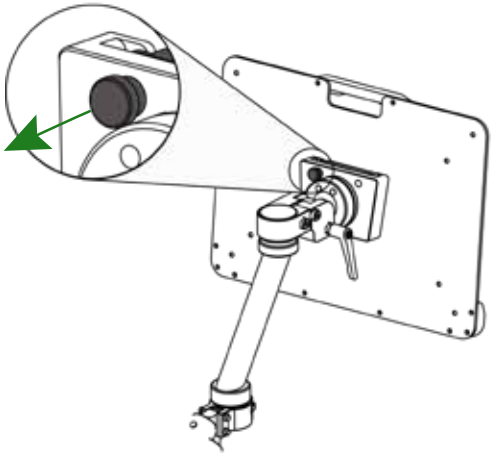
Literacy Plate
Holds media and items with clips and velcro for interaction

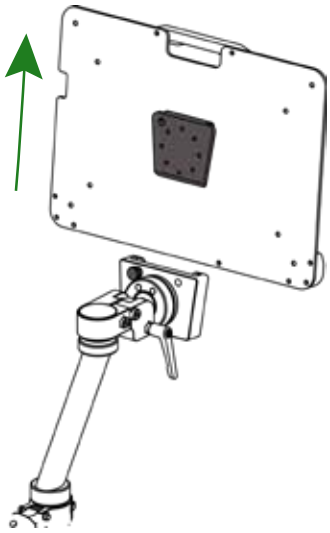
Laptop Tray
Various sizes available, holds laptop

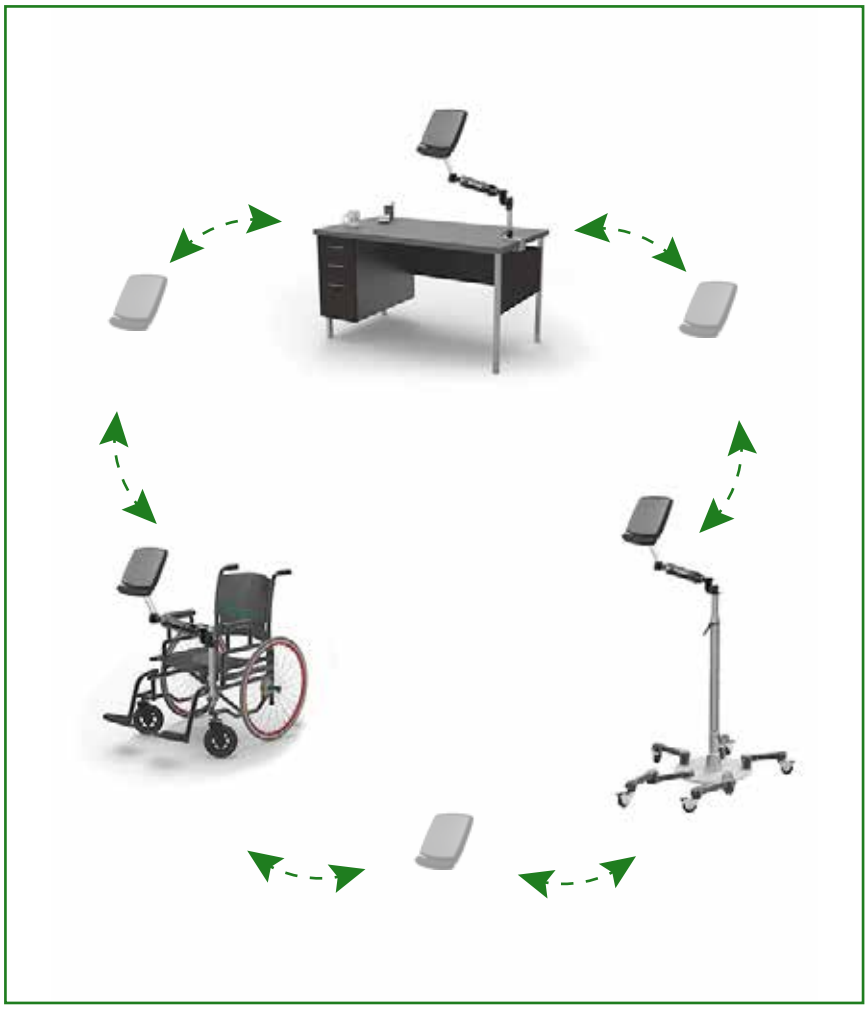
iPad Cradle
Holds iPads and other tablets, with or without cases

What is the Ideas Wedge?

The **Wedge** and **Wedge Receiver** provide a simple mechanism for the installation and removal of a device from a Lift and Lock system







Simply pull the plunger on the rear of the **Wedge Receiver** and the **Wedge** and device slide out.

Put the device back in and it will automatically lock into place.

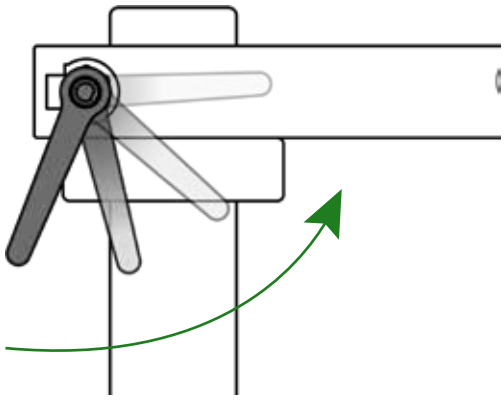
Devices with a **Wedge** can easily be moved from one system to another, or removed for storage or transfer.

Transferring Walls from Foundations

Lift and Lock arms, vertical bars, and vertical extension bars (**Wall** components) can be interchanged from **Foundation** to **Foundation**.

An arm can be used on different Lift and Lock systems. Similarly, vertical bars, and vertical extension bars can be moved from system to system.

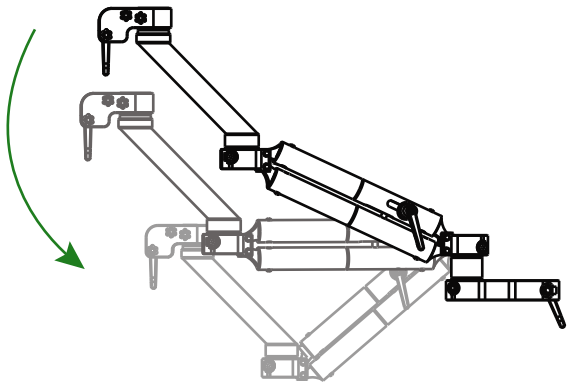
Locking handles on **Wall** Components allow for them to be swapped for different uses and for storage.



Adjusting Height

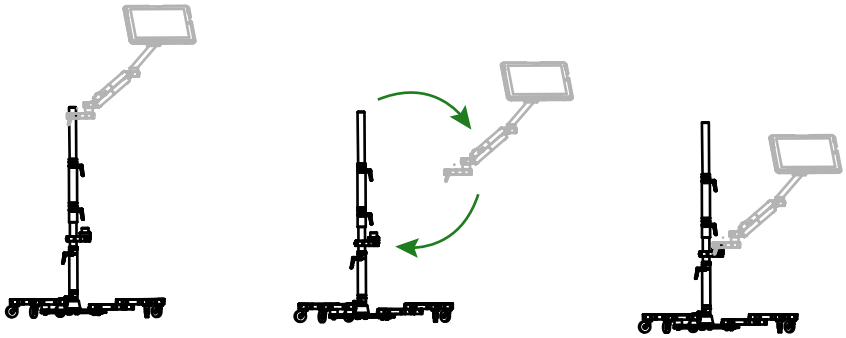
M2 series arms feature an internal gas shock. This allows for supported height adjustment on the fly with over 12” of vertical movement. Simply loosen the locking handle and adjust height anywhere throughout the travel. M2 series arms can hold up to 15 pounds.

M2 Series Arms



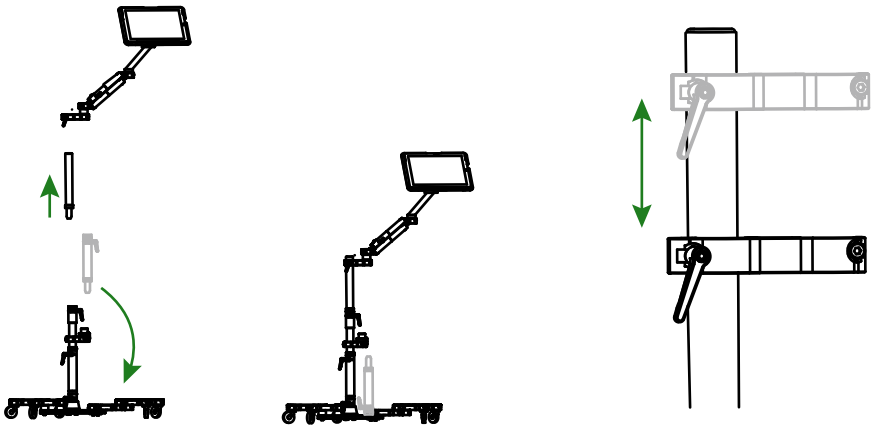
Rolling floor stands can be configured with multiple tail posts. Tail posts allow for an arm to be used in a different height range. Similar to how **Wall** components can be interchanged between **Foundations**, an arm can be moved from the top of a rolling floor stand on a vertical bar, to a lower position on a tail post.

Rolling Floor Stands



Wall sections of a rolling floor stand can be removed, added, and interchanged to adjust height. They can be stored on the rolling floor stand base. **Wall** sections used on any **Foundation,** including table and chair mounts, can be interchanged to adjust height in the same fashion. Arms can slide up and down vertical bars by loosening a handle on the tail bone.

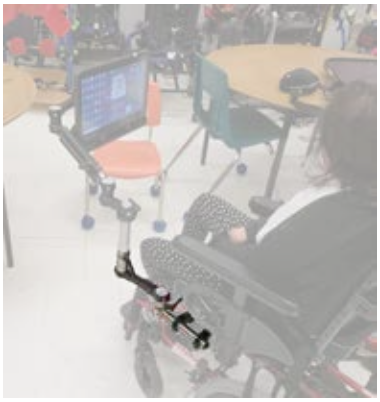
Wall Components



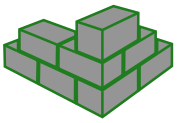
Example -
Eye Gaze Device to Manual Chair

The **Terrain** is a manual chair with a user who spends most of their time in the chair. The chair is used at home and in a class room.

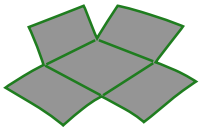
The device being used is a Tobii Dynavox I-13.



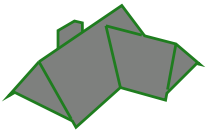
The **Foundation** is a frame clamp with socket bar and an extended socket arm.



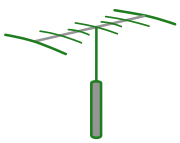
The **Walls** are a 6” vertical bar and an m2 series arm.



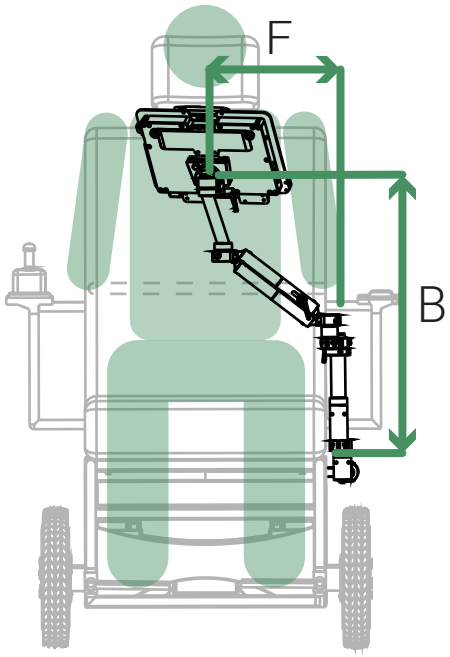
The **Roof** is an E.G. wedge receiver.

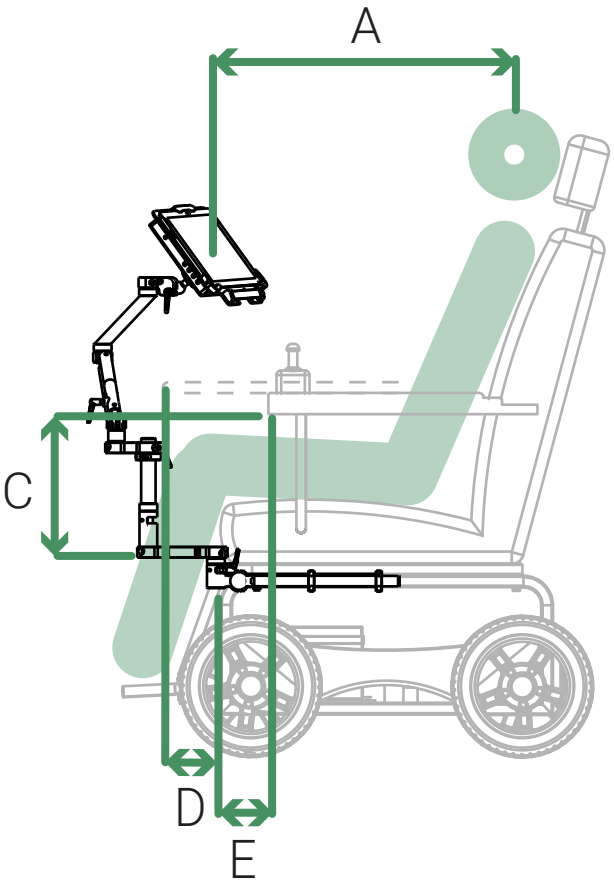


The **Antenna** is a Tobii Dynavox I-13 device plate.



Lift and Lock Assessment Form





Power Chair

Approx. Device Weight: _____

Chair Brand/Model: _____

Tray? Yes ◯ No ◯

Tilt? Yes ◯ No ◯

Dimensions

In inches. See above diagram for dimension locations.

A: _____ Client to Device

B: _____ Foundation to Device (height)

C: _____ Foundation to Arm Rest (height)

D: _____ Foundation to Edge of Tray

E: _____ Foundation to Arm Rest

F: _____ Foundation to Device

Frame Type

Square ◯

Round ◯

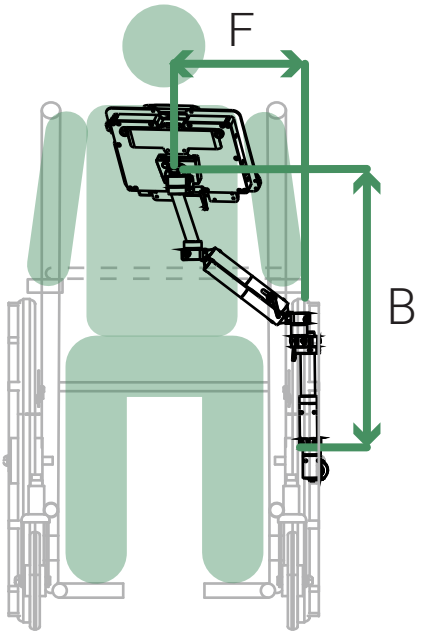
T-Track ◯

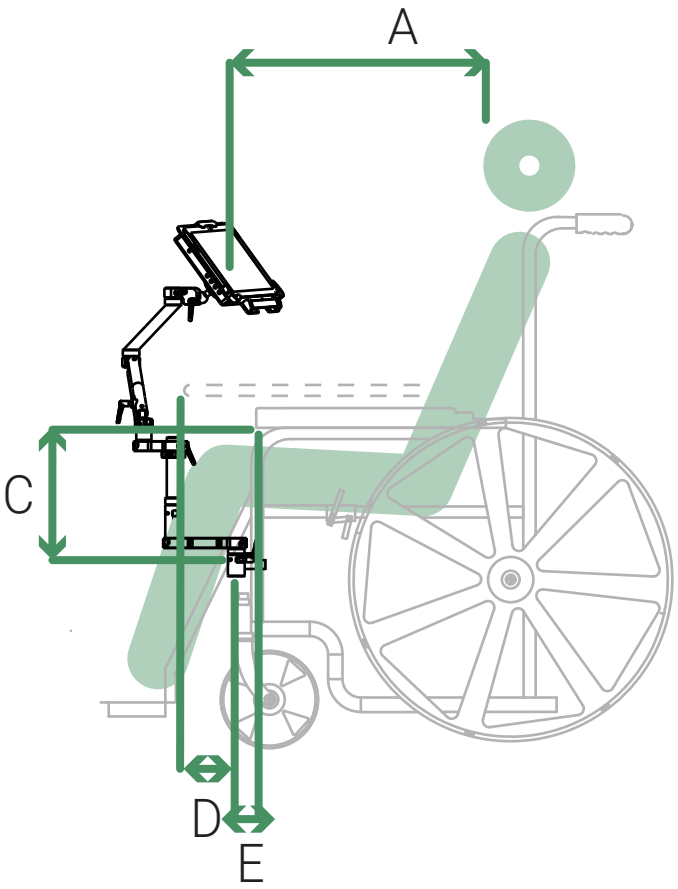
Double T-Track ◯

Where will the system be used primarily ?

Inside ◯ Outside ◯ Both ◯

Footrest Swing ◯ No Swing ◯





Manual Chair

Approx. Device Weight: _____

Chair Brand/Model: _____

Tray? Yes ◯ No ◯

Tilt? Yes ◯ No ◯

Dimensions

In inches. See above diagram for dimension locations.

A: _____ Client to Device

B: _____ Foundation to Device (height)

C: _____ Foundation to Arm Rest (height)

D: _____ Foundation to Edge of Tray

E: _____ Foundation to Arm Rest

F: _____ Foundation to Device

Frame Type

Square ◯

Round

Vertical ◯ Horizontal Tube ◯

Where will the system be used primarily ?

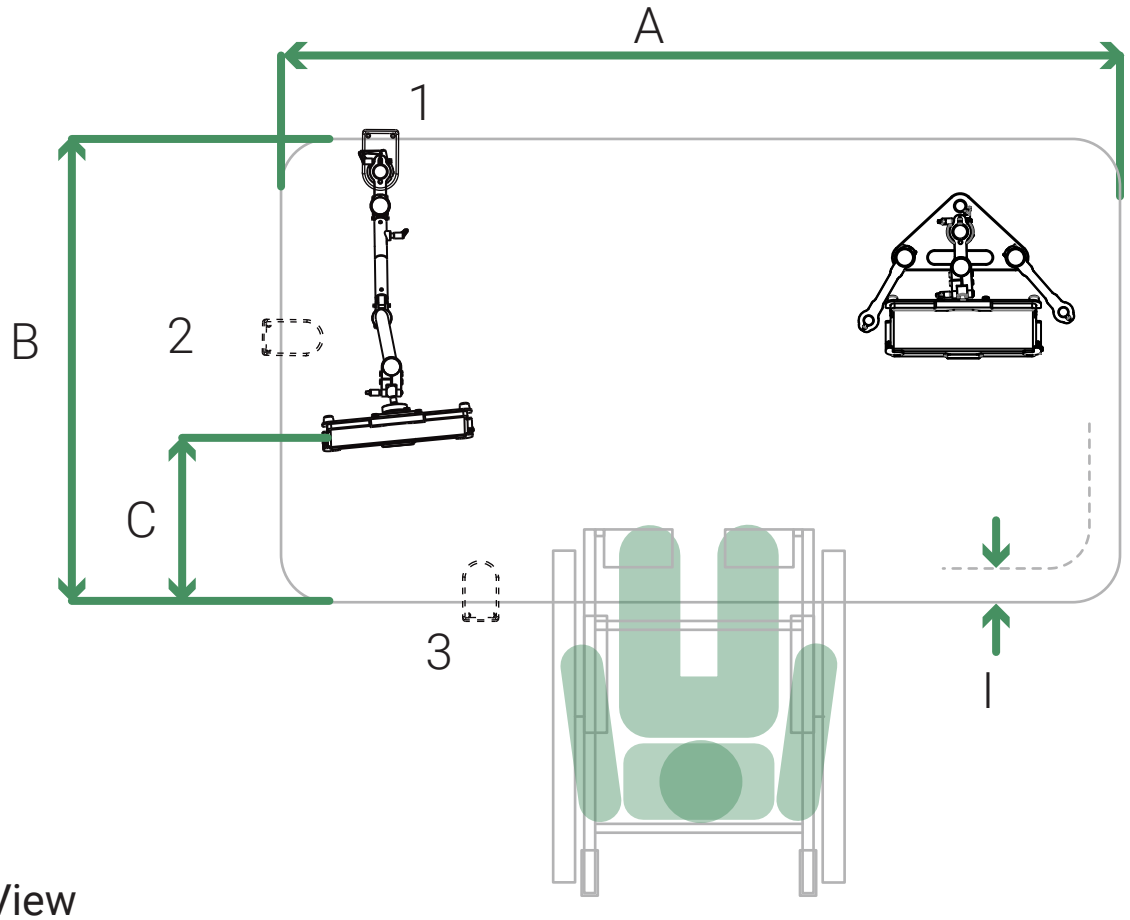
Inside ◯ Outside ◯ Both ◯

Footrest? Yes ◯ No ◯

Brake Lever? Yes ◯ No ◯

Table Clamp & Table Stand

Top (Birds Eye) View



Front View

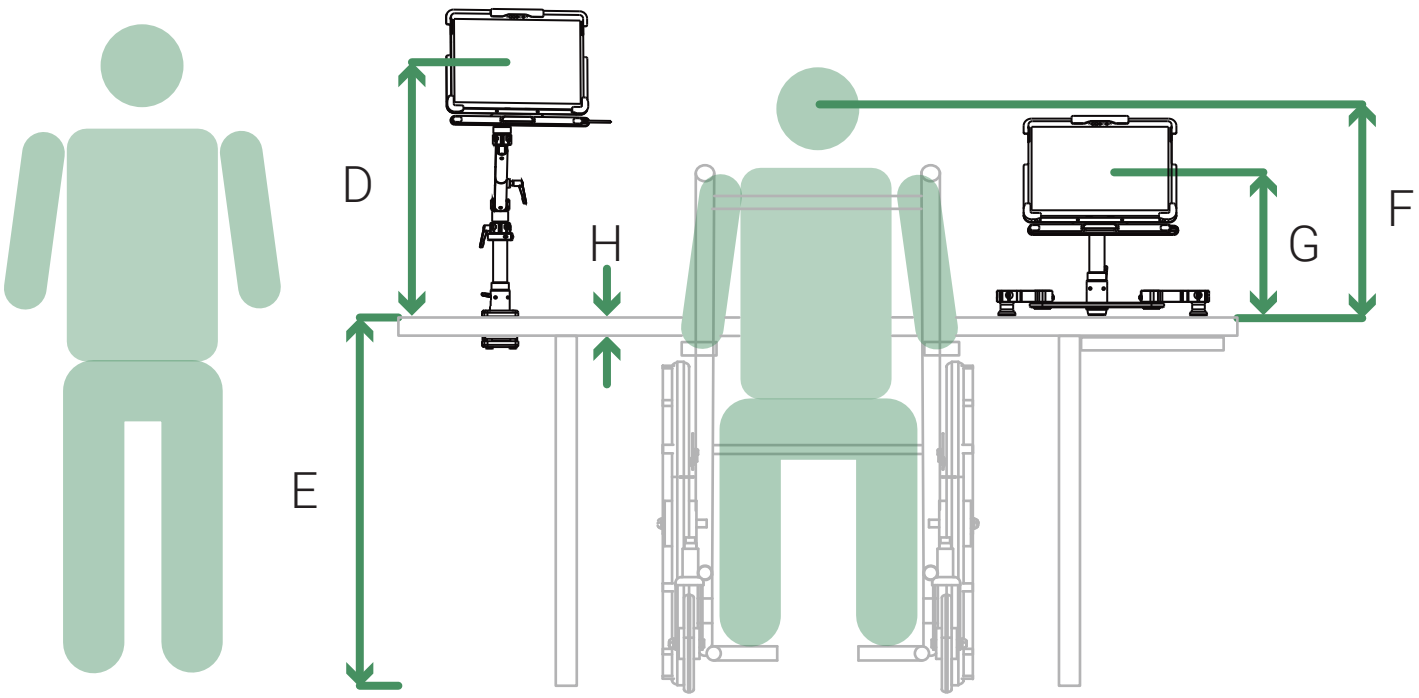


Table Clamp & Table Stand

Approx. Device Weight/ Device type: _____

Chair Brand/Model: _____

Tray? Yes ◯ No ◯

Tilt? Yes ◯ No ◯

Dimensions

In inches. See diagram on previous page for dimension locations.

A:_____ Table Width (Table Clamp + Table Stand)

B:_____ Table Depth (Table Clamp + Table Stand)

C:_____ Device to Table edge (Table Clamp)

D:_____ Preferred Device Height (Table Clamp)

E:_____ Table Height (Table Clamp + Table Stand)

F:_____ Client to Table (Table Clamp + Table Stand)

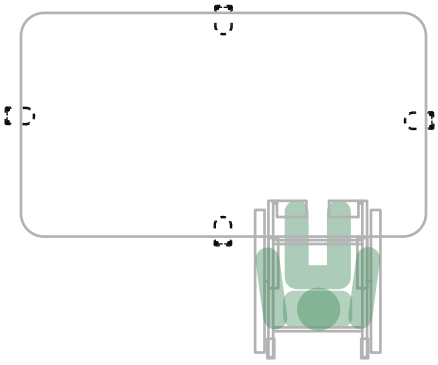
G:_____ Preferred Device Height (Table Stand)

H:_____ Table Top Thickness

I: Does the table have a lip?* Yes ◯ No ◯

Lip to edge of table dimension _____

Table Clamp Location

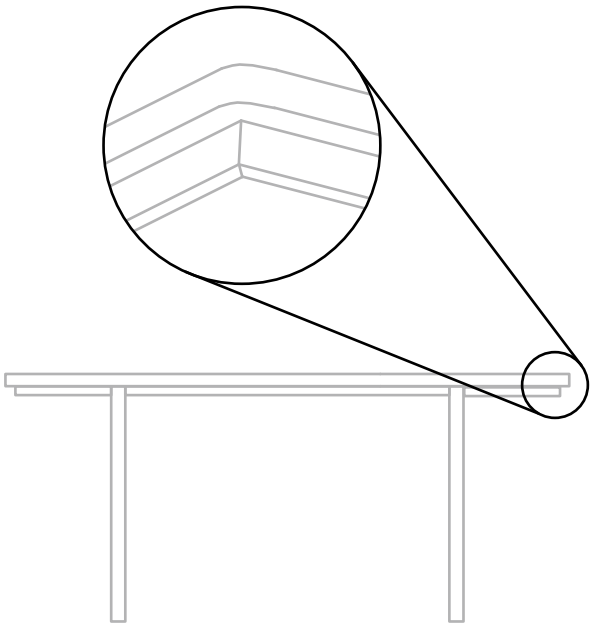


Client Left ◯

Client Right ◯

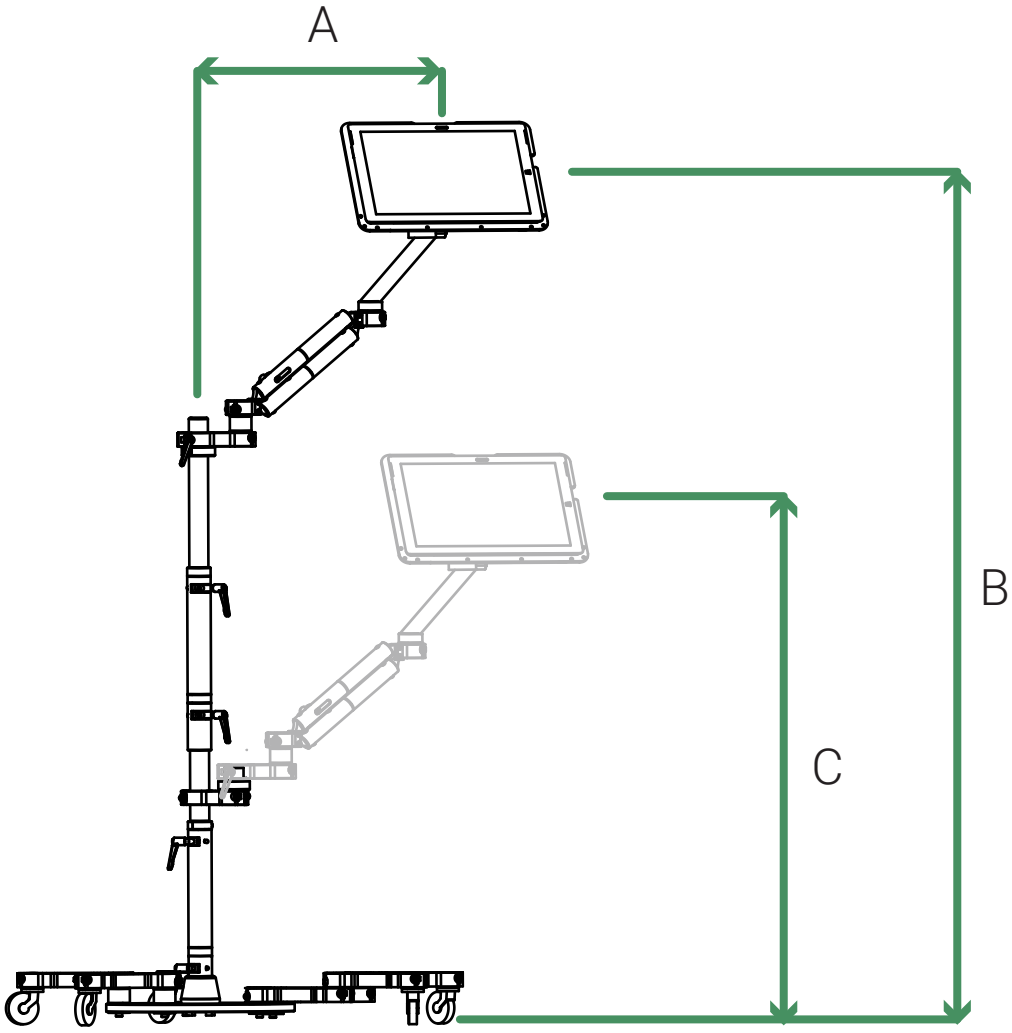
Front Edge (Client side of table) ◯

Back Edge ◯



*A "Lip" is found on some tables like a ledge or bracket that protrudes from the bottom side of a tabletop. Tables with a lip may require a modified Table Clamp.

Rolling Floor Stand



Dimensions

In inches. See diagram above for dimension locations.

Approx. Device Weight/ Device Type: _____

A:_____ Device Arm Length

B:_____ Maximum Required Height

C:_____ Minimum Required Height

Will the user be laying down in a horizontal position? Yes ◯ No ◯

Contact Us

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