

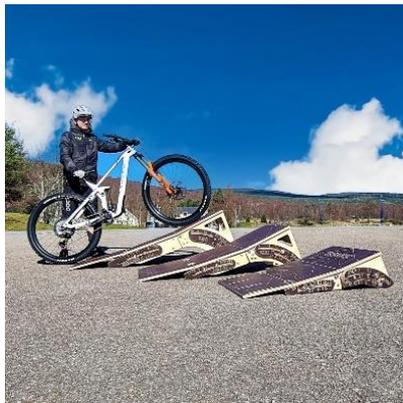


SENDER PROGRESSION RAMPS

350 - 500 ADVANCED AND 500 - 650 EXPERT



FOOTWEAR: **RIDE CONCEPTS** WILDCAT - BIKE: **CANYON** STRIVE



**PLEASE TAKE CARE OPENING YOUR PROGRESSION RAMPS WITH A KNIFE
THE OPTIONAL CARRY BAG MAY BE INSIDE ALONG WITH ASSEMBLY COMPONENTS.**

Thank you for buying a PROGRESSION RAMP. They are the most adjustable ramps ever designed and manufactured. It has been a long term project that has stretched our experience and knowledge of geometry and woodworking. Each part has been carefully considered for weight and strength. Progression ramps allow you to progress and build confidence and skill at your speed and height on Straight and Curved Transitions. Happy Landings.

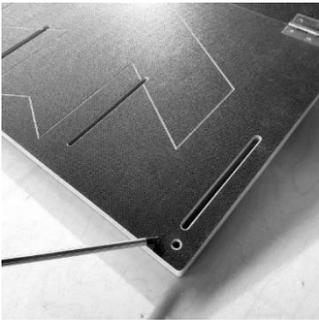
****Build confidence with ease – Gain height in small increments and become familiar with straight and curved take offs!**

MODULAR:

In addition, our ramp integrates with other SENDER BOLT ON features. For advice on compatibility please contact us. Progression ramps can be used as a take-off and landing ramps in Straight or Curved mode but NEVER used as a landing with the extension attached! The extension is not designed to take LANDING RAMP impact loads.

The ramp has **TERRAIN ADJUSTMENT**. Once set at a specific height you can micro adjust legs to stabilise the ramp. The ramp is best used on grass but can be used on tar or concrete. However, the severity of landing and risk factor will greatly increase on hard surfaces.

SAFETY FEATURE: The front edge of the ramp has 2 x PEG POINTS so you can add extra security when using the ramp on grass or gravel



SUITABLE FOR SKATEBOARDS and SCOOTERS

Progression ramps can be used with Skateboards and Scooters with the OPTIONAL Skate Plate. This Galvanised plate can be retro fitted. Once installed it can be adjusted through all the angles on the ramps!



RAMP WEIGHT / RANGE / ADJUSTMENT + MARKINGS:

(S) STRAIGHT – (C) CURVED – (C+) CURVED PLUS

- WEIGHT 14.5 kgs ADVANCED RANGE 350 to 500 – Markings at 350 / 400 / 450 / 500
- WEIGHT 18 kgs EXPERT RANGE 500 to 650 – Markings at 500 / 550 / 600 / 650
- WEIGHT 5 kgs PROGRESSION BOOSTER (EXTENSION) RANGE 150mm – Adjust to extend ramps Straight / Curved / Curved +

Transition Length Advanced Ramp is 1200 mm and Expert Ramp 1500 mm

PROGRESSION BOOSTER (EXTENSION) The BOOSTER must NEVER be used on the ROOKIE as it will tip over.

When the BOOSTER is attached to the Expert Ramp the Transition increases to 1825 mm



SAFE OPERATION!

Once you are familiar with all the parts you can set up, fold and pack PROGRESSION RAMPS in 5 – 10 minutes. You can easily adjust the ramp to YOUR CHOSEN height in a matter of minutes. However, YOU MUST ALWAYS check the components are bolted tightly together to prevent the ramp from failing / folding or collapsing.

Lift your ramp into place with two people. Dragging the ramp will damage components!

The Ramps have an OPTIONAL and strong Vinyl Carry Bag which has webbing strap points on the front you can use for attaching clothing (you will need to add elastic or similar). Lift the bag using the central lifting loop or both handles to mount on your back. The load / weight on one strap alone may rip the stitching. We do not recommend children under 16 carry the bag on the back OR set the ramp up.

WARNING – These ramps have moving components that can cause a finger entrapment. Under 16's should be supervised when assembling, erecting or changing mode.

The Ramp has many MOVING PARTS which means finger entrapment is a significant risk. Always unfold / adjust / store with care. Once again under 16's should not set the ramp up. We advise packing, unpacking and transporting the ramp with two people to avoid manual handling injuries.

DESIGNED FOR:

- Riders, clubs and coaches on all types of bikes - Heavy use including E Bikes.
- Safe Working Load is 150 Kgs – Dynamically Tested to over 350 Kgs
- Bolt Torque setting is 12 Nm

SAFE USE AND PPE:

Always wear a full face helmet, gloves and knee pads when jumping. We also recommend back protection and a neck brace. You should not jump ramp to ramp with a gap between components. Progression Ramps can be landed to FLAT. However, it is better to use a grass downslope as the height increases or a landing ramp. Ensure adequate fall space all around with no surrounding impact surfaces like fences, trees, vehicles or roads. Keep spectators clear. Locate your ramp on flat even ground. Take your time and follow all the user instructions carefully for max strength. Built confidence before trying higher jumps. We recommend hiring / consulting a coach to improve skills. When jumping goes wrong it can lead to life changing injuries and destroy expensive bikes.

SENDER BUILT TO LAST:

Designed and Manufactured in the Highlands of Scotland from 18 mm (13 layer) Birch Plywood and 18 mm (13 layer) Phenolic Grip (mesh) coated Plywood secured with Stainless Steel Components. Look after your ramp and it will last a life time. We recommend storing the trainer inside after use and carefully drying the trainer if it is used outside in the damp or rain. **Spare parts are available for purchase on request.** The Plywood has been Independently Impact tested and Insert Pull Tested. Do not drag or pull the ramp around. It should be LIFTED into place to prevent premature deterioration.

PRESERVING AND MAINTING:

COLOURED RAMP OWNERS GO TO END OF INSTRUCTIONS

When you assemble your ramp please use silicone spray to protect and lubricate the bolts. Follow instructions on the bottle / can for safe use. Preserve your ramp BEFORE use with the recommended Decking Protector – see end of Instructions



Recommended Torque Wrench – Spray your bolts during assembly process and as often as possible for better function

Moving parts such as Nuts and Bolts should be silicone sprayed frequently. All cut edges and natural plywood faces should be treated with LOW VOC (Water Based) Decking protector Natural Colour. Repeat annually. Under no circumstances use Varnish!! Check for damage before and after each use and retire the Ramp if you find any until you seek further advice from support@sender-ramps.com. Additional notes at the end of this guidebook.

INSTALLATION EQUIPMENT REQUIRED:

- 1 x 6 mm HEX KEY (Found ON Your Bike Maintenance TOOL!) – SUPER Fast with and Impact Gun with 6 mm Attachment.
- A “T” HANDLE 6 mm HEX / ALLEN KEY is use piece of equipment for tightening bolts
- A Torque Wrench will ensure that ALL bolts are set at the max tension of 12 Nm

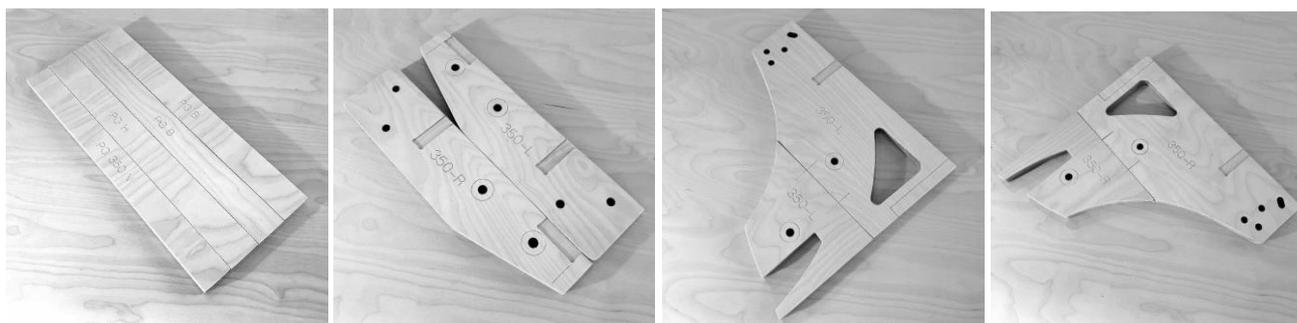
Your ramp may come unassembled or assembled. Please reads the section appropriate to your purchase.

ADVANCED and EXPERT PROGRESSION ASSEMBLY

REFRESH KIT: A Refresh KIT will be available in our shop for components in contact with the ground subject to the most wear and tear. This will keep you rolling and jumping for years!

IMPORTANT: The Assembly Process and Function for the Advanced and Expert Progression Ramps is the same. Only the Markings on the Adjustable Legs is different.

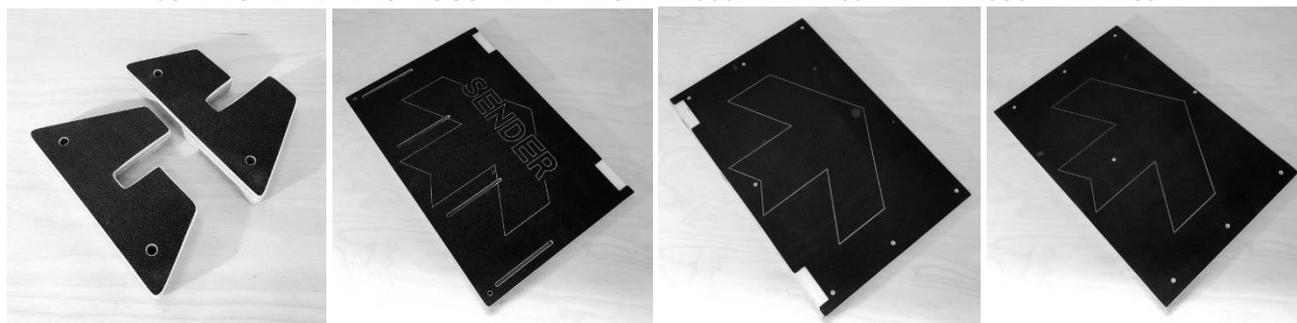
COMPONENTS:



CROSS BATONS – FRONT SIDE PARTS – REAR SIDES AND LEGS



JOINING PLATE – BACK LOGO PLATE – FRONT ADJUSTABLE LEGS – REAR ADJUSTABLE LEGS



REAR FEET – BOTTOM SURFACE WITH SKATE PLATE SLOTS – MIDDLE SURFACE – TOP SURFACE

ADDITIONAL OPTIONAL COMPONENTS:



RED ADVANCED BAG – BLACK EXPERT BAG – SKATE PLATE – PROGRESSION BOOSTER EXTENSION

VERY IMPORTANT:

STAINLESS STEEL IS SOFT. It is VERY easy to round the heads of screws. Apply CONSTANT PRESSURE when fixing components. Take your time to complete the ASSEMBLY process. Poor Assembly WILL lead to a weak and poorly functioning product!

ASSEMBLY TOOLS:

- 1 x Drill Driver
- 1 x Impact Drill Driver
- 1 x Pozi 2 Hand Screw Driver
- 1 x 4 mm Drill Bit
- 1 x Pozi 2 Driver Bit
- 1 x TX25 Driver Bit
- 2 x 600 mm Quick Wood Clamps

Wear appropriate PPE when assembling your product – Eyewear / Gloves / Footwear. Protect your work space to avoid damaging your property.

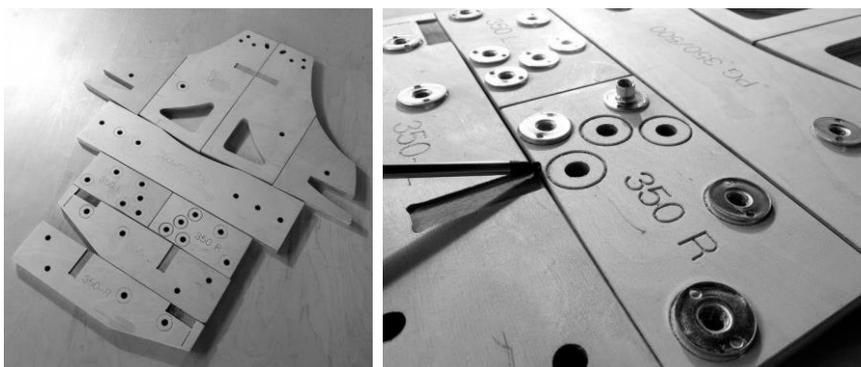
ADVANCED and EXPERT FIXINGS:

- 29 x Stainless Steel TX25 Screws (**31 x TX25 SCREWS on EXPERT**)
- 4 x Stainless Steel Hinges
- 24 x Stainless Steel Hinge Screws
- 5 x Stainless Steel 4 x 30 Screws
- 10 x 40 mm Button Head Bolts
- 10 x Large Washers
- 6 x 10 x 35 mm Countersink Bolts
- 24 x T Nuts
- 48 x Stainless Steel T Nut Screws
- 2 x 280 mm Cords for Feet

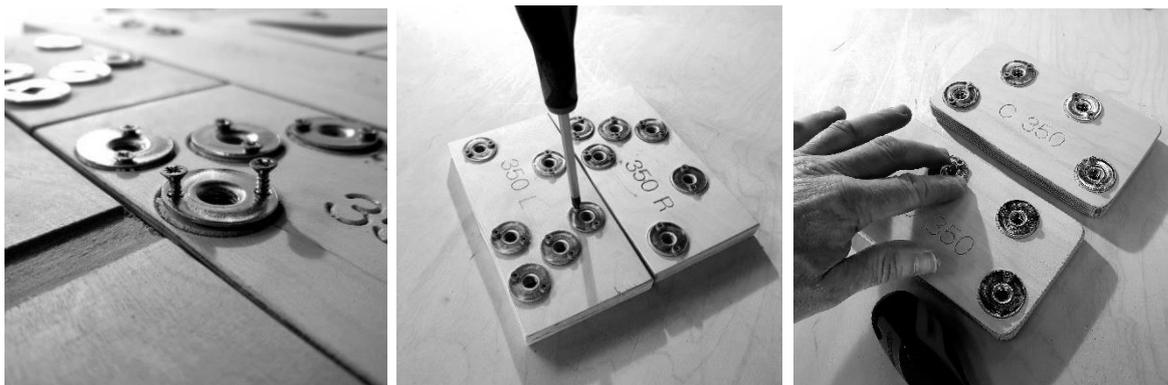
ASSEMBLING YOUR ADVANCED or EXPERT PROGRESSION RAMP

STAGE 1: Time to assemble approximately 1 – 1.5 Hrs

Select all the components shown in the image. Lie them on a flat surface so you can see ALL of the CIRCLE / ROUND Markers around the holes. Place the T nuts into ALL CIRCLED HOLES ONLY!

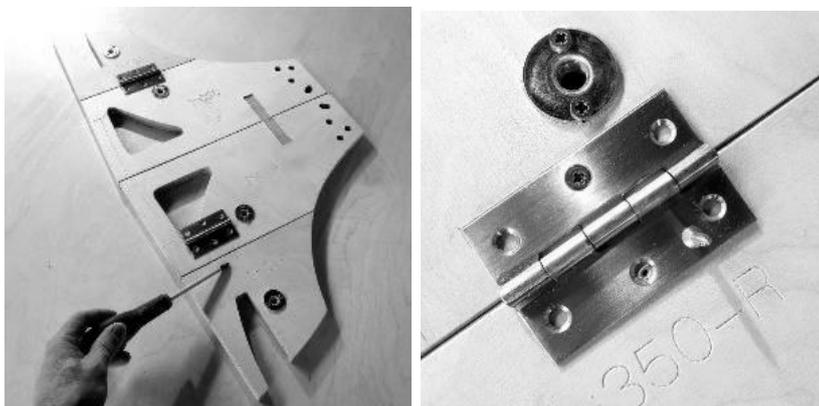


Place the Small Screws into the holes in the T Nuts and fix them to the Plywood. The Screws MUST be placed VERTICALLY! When complete take the TWO Joining Blocks (Each has 6 x T Nuts) Use a SCREW DRIVER and undo the screws 1 turn until they can be MOVED / ROCKED with two fingers!

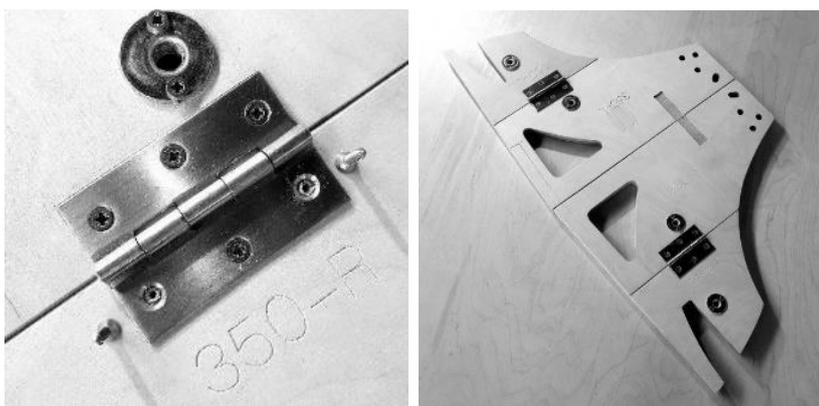


STAGE 2:

Select the REAR SIDE PANELS and FOLDING LEGS. Place them together as shown. Take 2 No hinges and place them between the marker lines on the face of the REAR SIDE PANELS and LEGS. Centralise / Line the hinge with the join. Place one screw centrally in the hinge on one side of the join. Place the second screw in the opposing hole! IT IS ESSENTIAL THAT THIS SECOND SCREW IS 1 mm OFF CENTRE TOWARDS THE LONG EDGE OF THE HINGE! This helps pull the parts together.

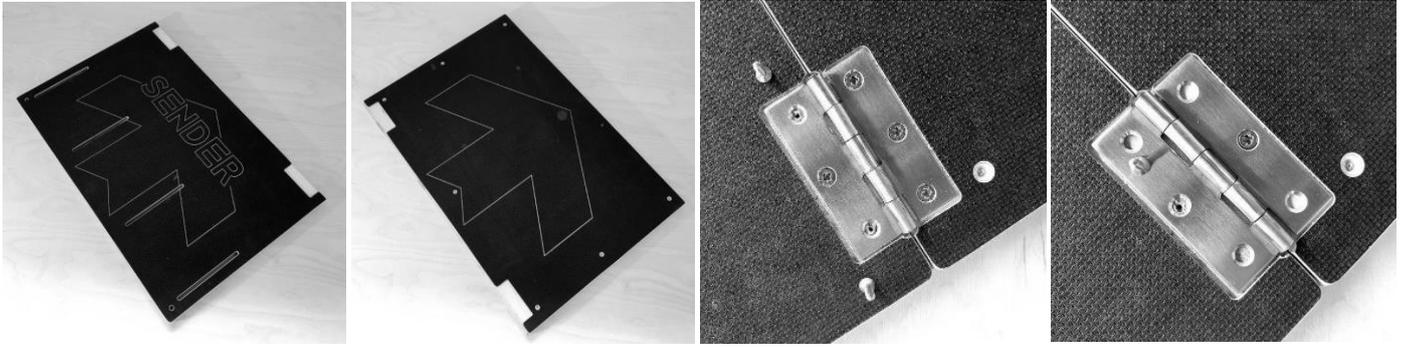


Place two more screws in one side of the hinge. Again OFFSET the other side by 1 mm (from centre of hinge hole) to pull the parts together.



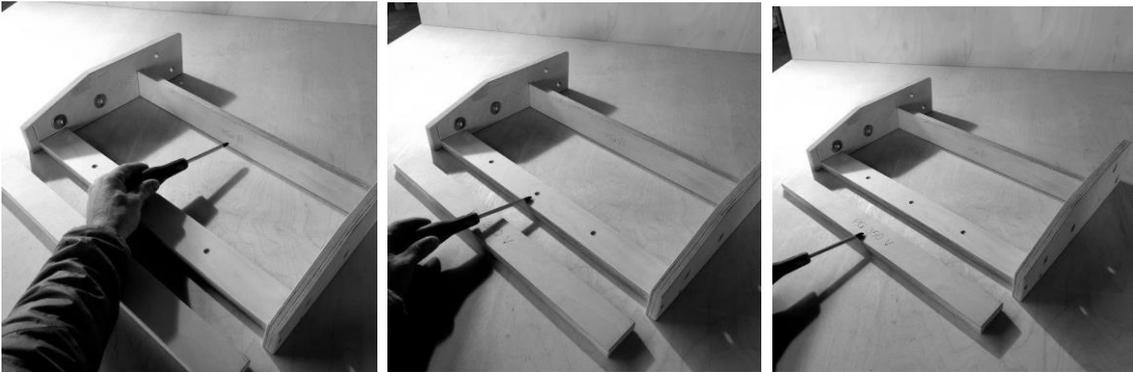
STAGE 3:

Take the LOWER and MIDDLE surfaces with the hinge pockets and place them together. Make sure the join is CLOSED. Place a hinge in each pocket and REPEAT the process / sequence described above to pull and hold the parts together. Once complete place these carefully away from your work area.



STAGE 4:

Take the two FRONT Side Panels R + L and Cross Batons PG B + PG V + PG H. Place PG B in the VERTICAL Pocket. Place PG H in the HORIZONTAL Pocket. **IMPORTANT** – PG H has 3 screw marker points. These must face UP!



WARNING! YOU MUST DRILL EACH HOLE BEFORE FIXING COMPONENTS WITH A SCREW. FAILING TO DO THIS WILL SPLIT THE PLYWOOD. WE BUILD HUNDREDS OF RAMPS AND NEVER HAVE SPLIT COMPONENTS! DO NOT BE LAZY AND SKIP THIS PROCESS.

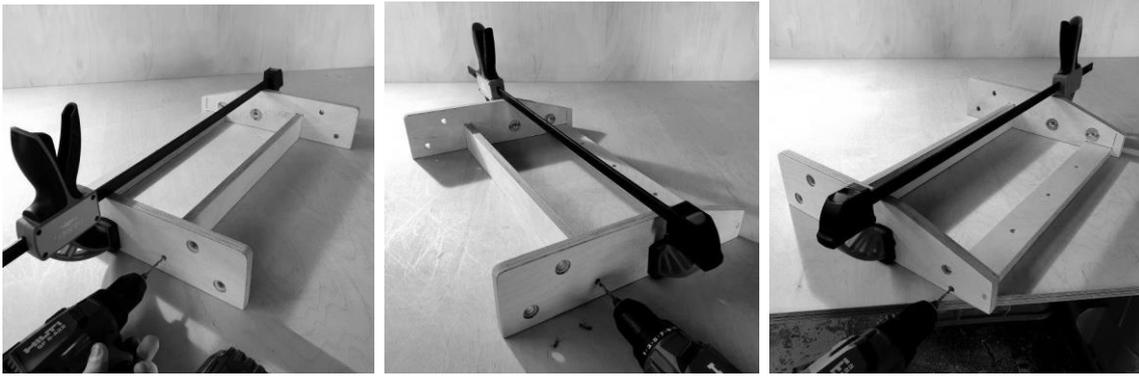
Place the 4 mm Drill Bit beside a TX25 Screw and ensure that the drill bit will make a hole the same length as the screw. Use a Quick Clamp to hold the structure together. You may need to PULL the structure to the edge of the table to drill a straight hole where the marker is close to the table surface. It is important that you follow the sequence described. Drill through the marker point in the side panel into the end of H.



****Secure with a TX25 Screw LEAVING 15 mm PROTRUDING. As shown below****



Drill through the side panel into the end of B on both sides and secure with a TX25 Screw. Rotate the structure and drill into the other end of H.



Secure with a TX25 Screw LEAVING 15 mm PROTRUDING as shown below.
This process makes it easier to locate component PG V.



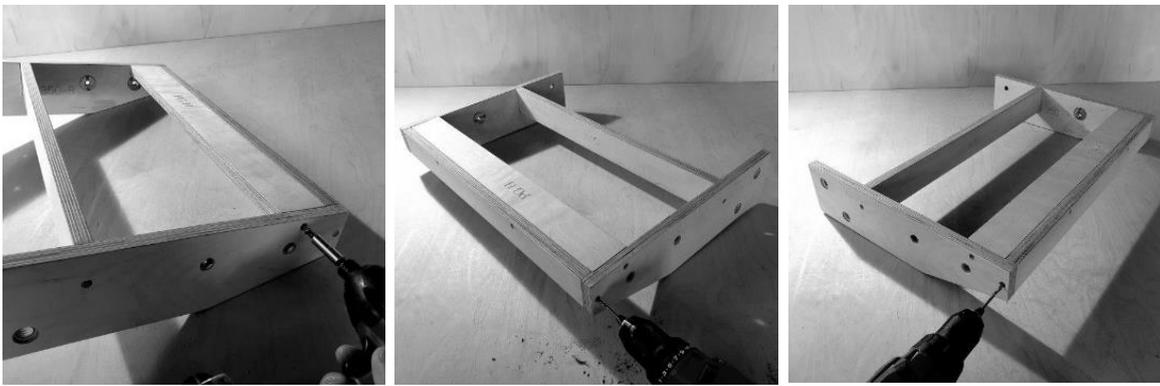
Take Component PG V and push / place this against PG H with the two marker points facing out as shown. IF PG V is a little loose then completely tighten the two screws above. A clamp can help to hold this component in place while you check the top and ends are flush.



Drill through the marker points in V into H and fix with TX 25 Screws. You can now drive the screws completely into the end of H at both ends to trap PG V.



Complete the process of fixing PG V by drilling through the side panels and fixings with TX25 Screws as shown below. **THE EXPERT PROGRESSION RAMP HAS 2 x TX25 Screws EACH SIDE OF BATON PG V!**



STAGE 4:

Take the Hinged Surface and the Structure you have created above and line these components up at the edge of a table. You can use the joining block(s) to stop the structure from tipping while you complete the next stage. You will need to clamp the structure to hold the surface accurately to the substructure!

FAILURE TO COMPLETE THIS PROCESS ACCURATELY MAY PREVENT THE RAMP FROM FUNCTIONING PROPERLY AND MISSALIGN THE SURFACES WHEN BOLTED TOGETHER!

YOU MUST start at the end with the VERTICAL SIDES as these connect with the other part of the ramp. Use the two SLOTTED FEET as 18 mm spacing guides! And place these either side of the surface as shown flush against the sides of the substructure. **BALANCE / EQUALISE** by feel and sight so that the surface is sitting EQUALLY above Substructure. It is normal that the substructure is 0.5 to 1 mm inset from the Surface when using the blocks as a guide. Once you are satisfied that the BALANCE is correct clamp the surface to the substructure ready for drilling and fixing.

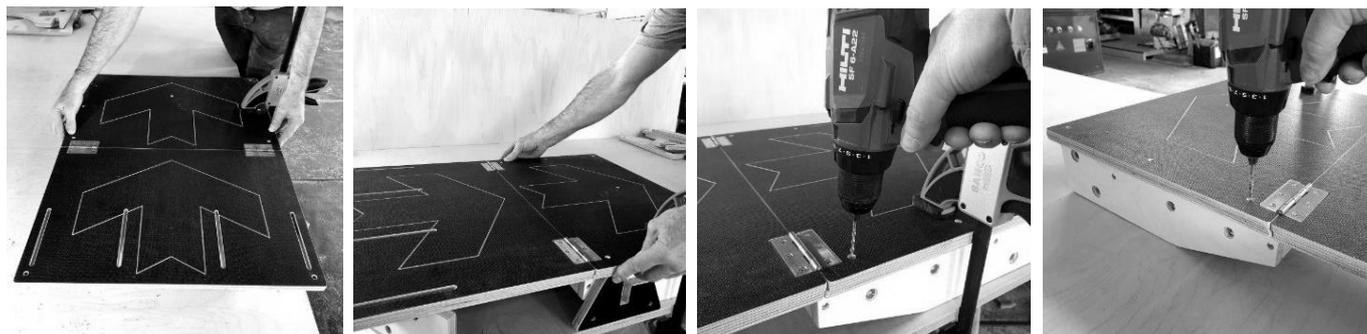
You must also check that the end of the surface and the End of the Vertical Side Panel is TOTALLY flush. Re-adjust if necessary and Re-clamp. Drill VERTICALLY through the marker point on the surface and secure with a TX25 Screw.



You may wish to rotate the structure. Follow the same process of checking with the block and ensuring the end of the surface and vertical end of the side panel are flush before drilling and securing with a TX25 Screw. It can be done without rotating the structure. Please see the example below.



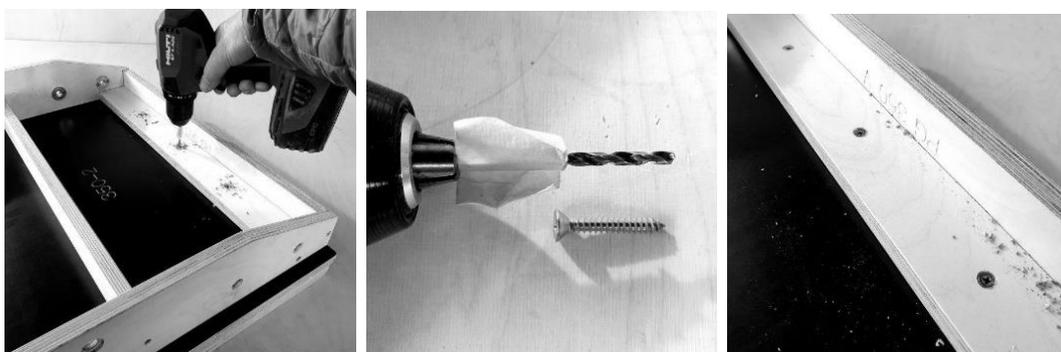
Now turn the structure around and repeat the process described above to SQUARE, DRILL and SECURE the Folding / Hinged end of the Surface to the Substructure



There are 3 additional fixing points on the surface. One on either edge and one in the centre.



Turn the entire Structure over. You will see the 3 marker holes in Baton PG H. Place one of the 4 x 30 Stainless Steel Screws beside the drill bit and use a piece of tape on the drill bit to mark HOLE DEPTH. IF you drill too deep you will go through the SURFACE of the RAMP! The Drill holes should be 2 / 3 mm shorter than the Screw. Drill and Secure all 3 points with 4 x 30 Screws. Beware the Stainless Steel Screws are SOFT! Rounding the heads is possible if you DO NOT apply constant pressure.

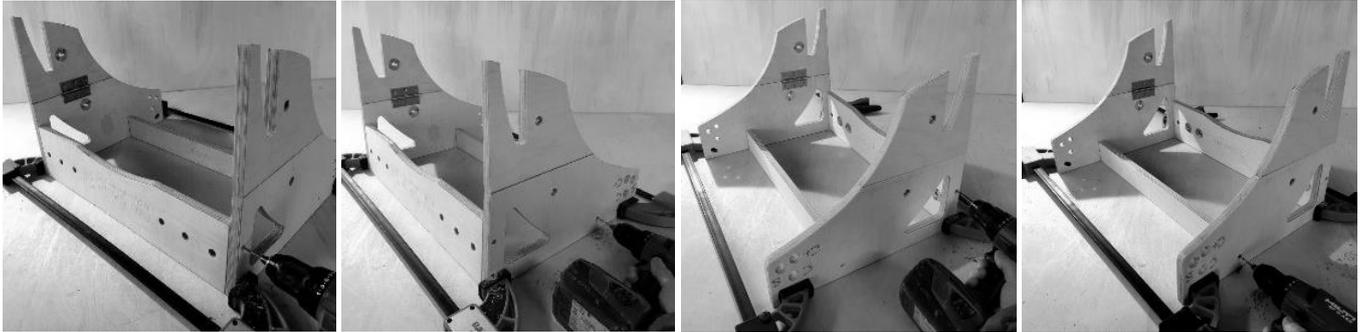


STAGE 5:

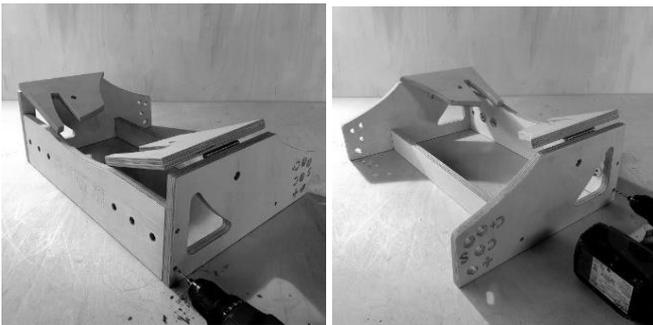
Take both Rear Legs and Side Panels now hinged together along with the Back Plate and another PG B baton. Place PG B into the vertical pocket on the side panels. Take the BACK Plate and rotate this so the text is facing out and is upside down. Use two quick clamps to hold the structure together. Check that the underside of the Back plate is flush with the vertical and horizontal Side Panels



Drill through the Side Panels at the marked points into the ends of PG B and the Back Plate on both sides and secure with TX25 Screws.



Remove the Quick Clamps and complete the process of securing the Back Plate to Ramp Sides.



STAGE 6:

Take Top Surface and the Structure you have created and line this up at the edge of a table. Because of the shape of the Structure it is best to quick clamp the two parts near the middle. It is important that you hold the surface accurately to the substructure while you drill and secure with screws!

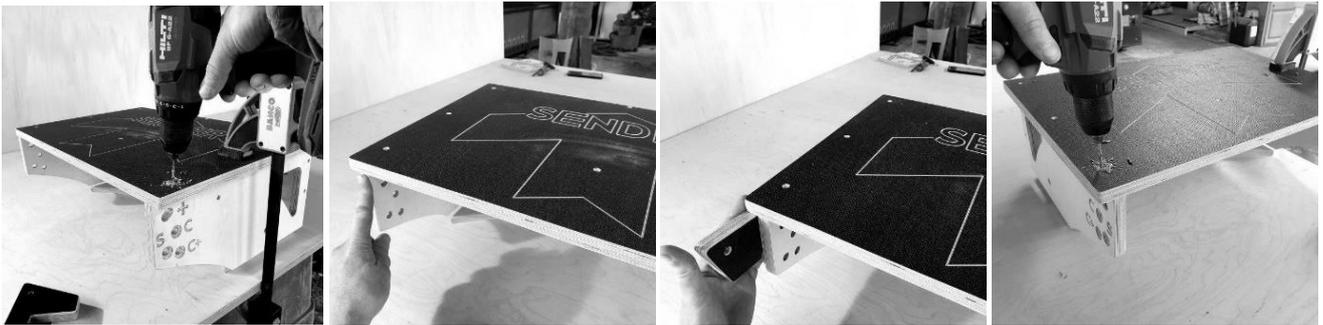
FAILURE TO COMPLETE THIS PROCESS ACCURATELY MAY PREVENT THE RAMP FROM FUNCTIONING PROPERLY AND MISSALIGN THE SURFACES WHEN BOLTED TOGETHER!

YOU MUST start at the end with the VERTICAL SIDES (NOT THE BACK PLATE) as these connect with the other part of the ramp. Use the two SLOTTED FEET as spacer guides. Place these either side of the surface as shown flush against the sides of the substructure. **BALANCE / EQUALISE** by feel and sight so that the surface is sitting EQUALLY above Substructure. It is normal that the substructure is 0.5 to 1 mm inset from the Surface when using the blocks as a guide.

Once you are satisfied that the BALANCE is correct clamp the surface. You must also check that the end of the surface and the End of the Vertical Side Panel is TOTALLY flush. Re-adjust if necessary and Re-clamp. Drill VERTICALLY through the marker point on the surface and secure with a TX25 Screws.



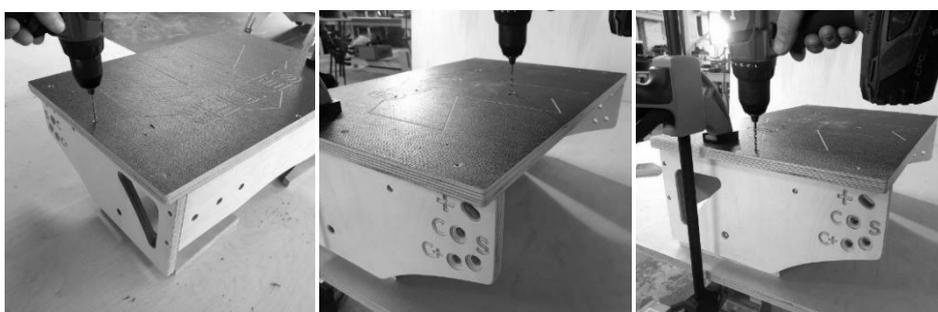
You may wish to rotate the structure. Follow the same process of checking with the block and ensuring the end of the surface and vertical end of the side panel are flush before drilling and securing with a TX25 Screw.



Turn the structure around and repeat the process above to SQUARE, DRILL and SECURE the Back Plate / End of the Surface to the Substructure as shown below.



The BACK PLATE is also secured in the middle at the edge of the surface. YOU MUST DRILL AND SECURE AT A SLIGHT ANGLE! To prevent the plywood bulging or the screw appearing on the front or back of the BACK PLATE! There are 3 additional fixing points on the surface. One on either edge and one in the centre.



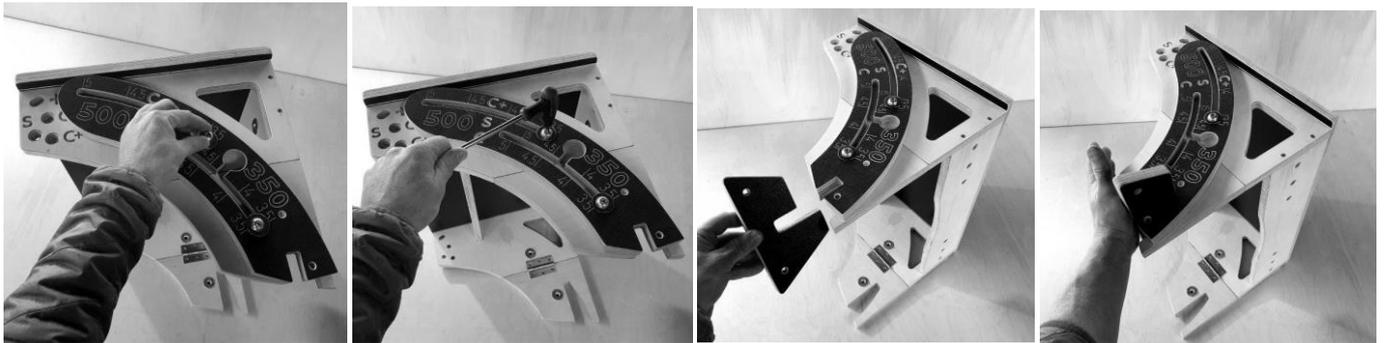
STAGE 7:

Take the structure you have created and turn this onto its side. Take one of the Curved Rear Legs and place this onto the side. Secure the leg to the Side Panel using 2 x M10 x 40 Button Head bolts. You **MUST** use the Large M10 Washers with each bolt to spread the load applied when you tighten the bolt.

ESSENTIAL: ALWAYS catch the thread of bolts with your fingers first to PREVENT / AVOID CROSS THREADING! Never use an impact gun / drill to catch the thread.

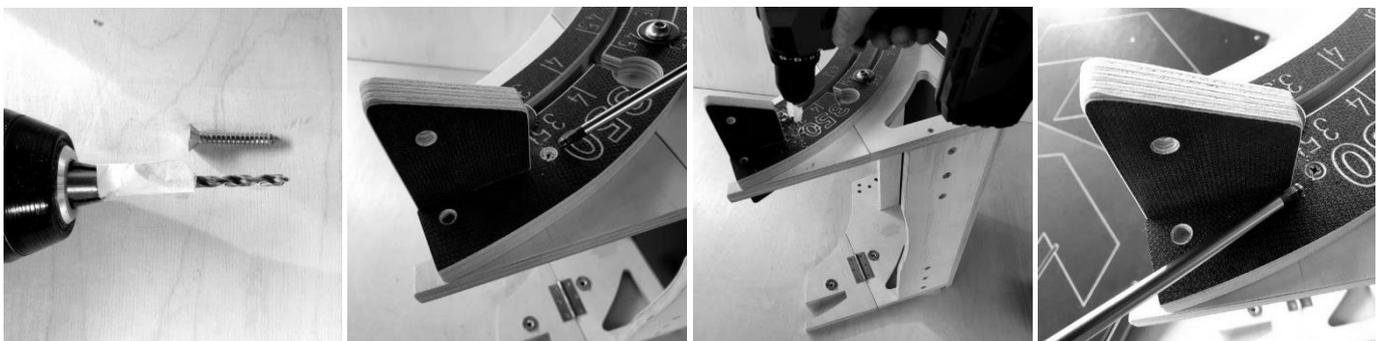
Slide the leg into place so the bottom of the Curved Leg is flush with the bottom of the Side Panel and tighten the bolts. Take one of the small feet and push this firmly into place on the Curved Leg. This may require a few taps / blows from a RUBBER Mallet. The Rough face of the Foot should face the back of the ramp. The higher side of the foot is on the INSIDE!

These feet are designed to be removed and you can purchase a REFRESH KIT TO REPLACE and RENEW components in contact with the ground once they wear out.



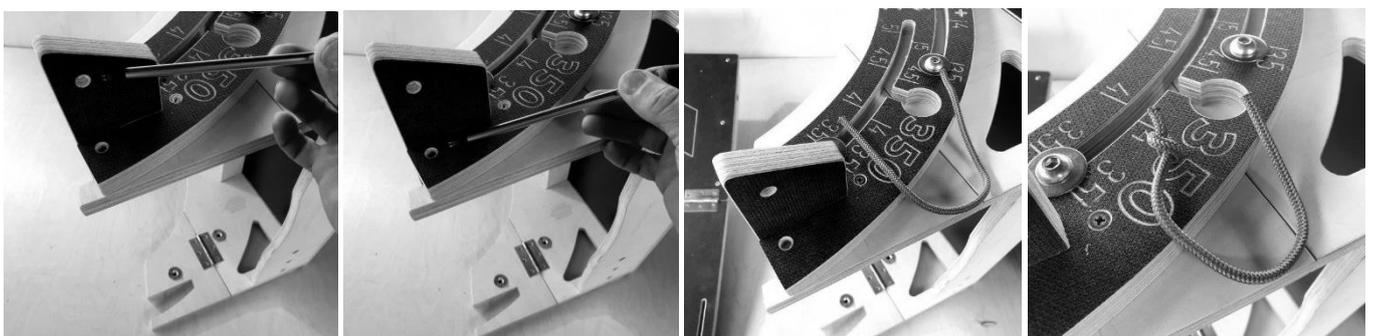
FIXED FEET:

We have designed the feet so they can be removed for easier storage or screwed in place. If you would like to permanently fix the feet then use some tape to mark drill depth using one of the 4 x 30 Stainless Steel Screws as a guide. Drill through the Curved Leg at the point shown and then secure with a 4 x 30 Screw. **REMOVE THIS SCREW IF YOU WOULD LIKE A REMOVABLE FOOT AND FOLLOW THE NEXT STAGE**



REMOVABLE FEET:

There is a hole in the foot and on the Curved Leg. Take one of the short sections of cord provided with your ramp. Tie a simple overhand knot at the end of the cord. Pass this through the Curved Leg first (back to front). Then through the Foot at shown. Tie a second simple overhand knot and pull this tight.



If you have removed the screw from the FIXED SOLUTION ABOVE then the foot should be removable. To begin with you may need to tap / push firmly with the heel of your hand or a rubber mallet. The foot will now stay attached to the ramp so it cannot be lost when you put the ramp into storage mode for transport.



Repeat the process above on the other side to attach the Curved Leg and the Foot either FIXED or REMOVABLE



Stage 8:

Take the Front Hinged Ramp Structure / Section and place this on its side. Unfolding the Surface will help stabilise the structure while you attach the legs AND while you join the Ramp Sections together. Take one of the Curved Front Legs and place this onto the Side of the ramp so you can see the bolt holes through slot. The C+ marker should be nearest to the Hinged Join.

Take two M10 x 40 Button Head Bolts and 2 Large Washers and place these through the slot and into the T nuts below. You must catch the thread by HAND FIRST for the reasons stated above (AVOID CROSS THREADING) When the Curved Leg is flush with the hinged end of the ramp the leg is in STORAGE MODE! Tighten the bolts.



Turn the Ramp Section over and repeat the Leg installation process on the other side!



STAGE 9:

Installing the joining block. Take both sections of ramp and place them side by side so the VERTICAL JOIN TOUCHES. Take the joining block with the corresponding holes as shown below and place this behind the side panels. There are two PERMANENT fixing bolts points that should only be untightened or removed to relocate / adjust the block or to place in Super Compact Mode.

Take 2 x M10 x 35 mm Countersink Bolts and place these through the side panel into the T Nuts on the joining plate. Catch the thread by hand first. Then secure / tighten these bolts. These bolts should be set at 12 Nm for maximum security (Check before each use)



ADJUSTING / SETTING YOUR HEIGHT and TRANSITION ON ADVANCED and EXPERT PROGRESSION RAMP

At this stage we look at how to set the ramp in the easiest mode – STRAIGHT. Please note that the base height for an ADVANCED RAMP is 350 mm HIGH and the EXPERT RAMP is 500 mm HIGH. The markings on the legs are of course relative to the ramp you have purchased but the ADJUSTMENT METHODS are the SAME! On all bolts we “recommend” 12 Nm for max security.

STAGE 10:

There are 4 Marked Holes

+ = COMMON BOLT POINT NEVER REMOVED UNLESS FOLDING FOR TRANSPORT AND STORAGE

C = SWEET CURVED MODE

C+ = STEEP CURVED MODE

S = STRAIGHT MODE

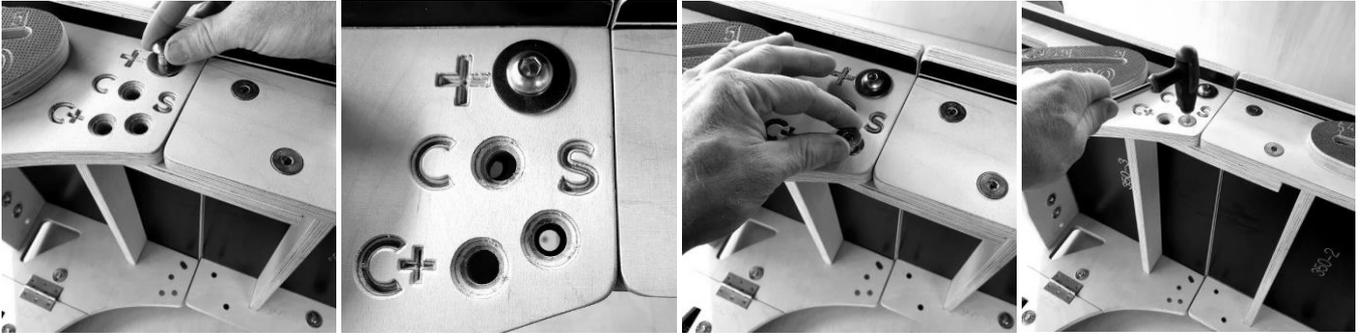


**SETTING THE RAMP IN STRAIGHT MODE (EXAMPLE 1)

Take an M10 x 40 Button Head bolt and a LARGE WASHER and place this into the + Marked hole. Manipulate the SECTION to make this possible. The washer is essential to spread the load and prevent damage to the ramp.

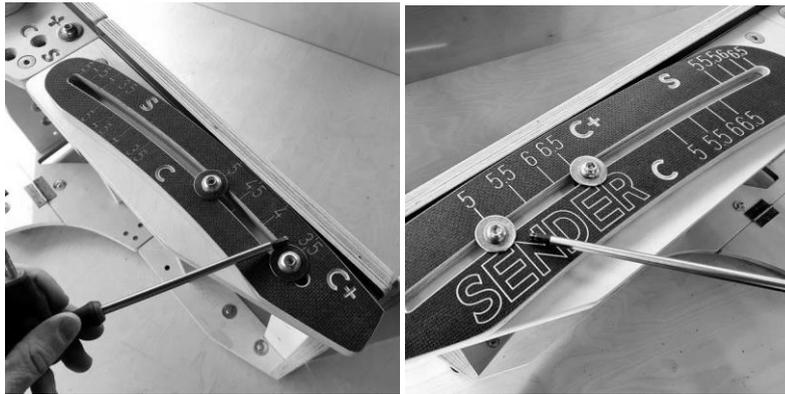
NEVER FORCE A BOLT OR YOU WILL CROSS THREAD THE T NUT!

Wind the Button Head Bolt and washer by hand so that it is flush with the surface but not tight. MANIPULATE the Sections so you can see through the hole in the ramp side panel and the T Nut in the Joining Plate in the S = STRAIGHT Mode. Secure this position with an M10 x 35 Countersink Bolt. And tighten the bolt to (recommended 12 Nm). You can now also tighten the + Bolt to the (recommended) 12 Nm.



UNDERSTANDING THE CURVED FRONT LEG MARKINGS - ADVANCED AND EXPERT RAMP

C+ = THE MARKER LINES CORRESPOND WITH THE FIRST BOLT NEAREST THE START OF THE RAMP (NEAREST HINGE JOIN)
 C and S = THE MARKER LINES CORRESPOND WITH THE SECOND BOLT



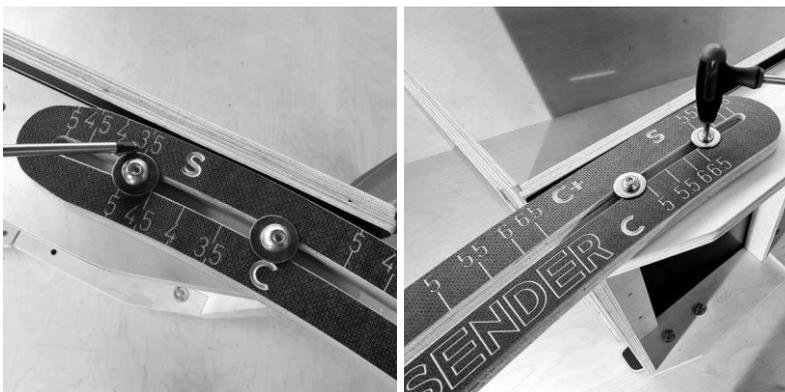
ADVANCED 350 C+ SETTING LEFT – EXPERT 500 C+ SETTING RIGHT

IMAGE ABOVE SHOWS SETTING C+ (Curved Plus) at 350 HEIGHT – LINE UP USING THE FIRST BOLT!
 ON THE EXPERT RAMP THIS WILL BE 500 C+ HEIGHT SETTING ON THE FIRST BOLT



ADVANCED 350 C SETTING LEFT – EXPERT 500 C SETTING RIGHT

IMAGE ABOVE SHOWS SETTING C (Curved) at 350 HEIGHT – LINE UP USING THE SECOND BOLT!
 ON THE EXPERT RAMP THIS WILL BE 500 C HEIGHT SETTING ON THE SECOND BOLT



ADVANCED 350 S SETTING LEFT – EXPERT 500 S SETTING RIGHT

IMAGE ABOVE SHOWS SETTING S (Straight) at 350 HEIGHT – LINE UP USING THE SECOND BOLT!
EXPERT RAMP THIS WILL BE 500 S HEIGHT SETTING ON THE SECOND BOLT

****CONTINUE THE PROCESS OF SETTING THE RAMP AT 350 STRAIGHT (ADVANCED) OR 500 STRAIGHT (EXPERT)**

Ensure the 350 S (OR 500 S) Marker line is central with the SECOND bolt then tighten both bolts (12 Nm)



UNDERSTANDING THE CURVED REAR LEG MARKINGS

C+ = THE MARKER LINES CORRESPOND WITH THE FIRST BOLT NEAREST THE SURFACE OF THE RAMP

C and S = THE MARKER LINES CORRESPOND WITH THE SECOND BOLT NEAREST THE GROUND



ADVANCED 350 C+ SETTING LEFT – EXPERT 500 C+ SETTING RIGHT

IMAGE ABOVE SHOWS SETTING C+ (Curved Plus) at LOWEST DEFAULT 350 HEIGHT – LINE UP USING THE FIRST BOLT!
ON THE EXPERT RAMP THIS WILL BE 500 C+ LOWEST DEFAULT HEIGHT SETTING ON THE FIRST BOLT



ADVANCED 350 C SETTING LEFT – EXPERT 500 C SETTING RIGHT

IMAGE ABOVE SHOWS SETTING C (Curved) at LOWEST DEFAULT 350 HEIGHT – LINE UP USING THE SECOND BOLT!
ON THE EXPERT RAMP THIS WILL BE 500 C LOWEST DEFAULT HEIGHT SETTING ON THE SECOND BOLT!



ADVANCED 350 S SETTING LEFT – EXPERT 500 S SETTING RIGHT

IMAGE ABOVE SHOWS SETTING S (Straight) at LOWEST DEFAULT 350 HEIGHT – LINE UP USING THE SECOND BOLT!
 ON THE EXPERT RAMP THIS WILL BE 500 S LOWEST DEFAULT HEIGHT SETTING ON THE SECOND BOLT

**** CONTINUE THE PROCESS OF SETTING THE RAMP AT 350 STRAIGHT (ADVANCED) OR 500 STRAIGHT (EXPERT)**



On the Curved REAR LEG ensure the 350 S (OR 500 S) Marker line is central with the SECOND BOLT then tighten both bolts to (12 Nm). **TURN THE RAMP OVER** and align the second Joining Plate repeating the process above so the permanent fixing points are secured BEFORE adding the Button Head Bolt and Washer to the + Hole. Manipulate and Align the hole so you can place an M10 x 35 Countersink bolt by hand into the S Hole and wind this into the T Nut. Set BOTH front and REAR Legs as described above.



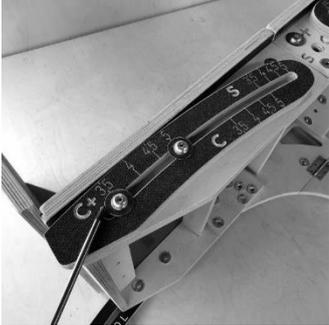
If the feet have been removed install / push these into place before turning the ramp over into JUMP MODE. Go around ALL the ramp bolts checking that they are tight before starting a JUMP SESSION. You are now ready to TAKE OFF or LAND at ADVANCED 350 STRAIGHT. OR if you have an EXPERT RAMP it will be 500 STRAIGHT.



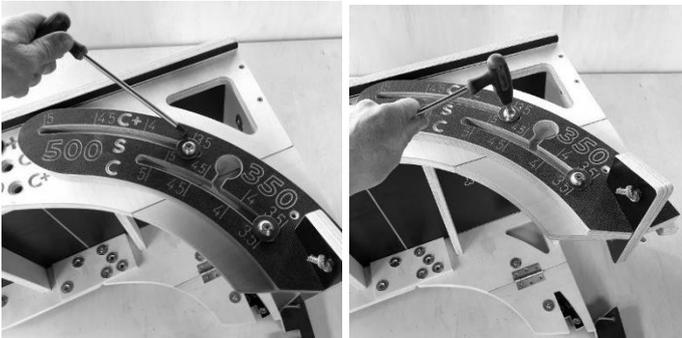
CHANGING THE TRANSITION AND HEIGHT

Example: Changing to a 350 CURVED PLUS RAMP – Procedure is the same for an EXPERT 500 CURVED PLUS RAMP

This can be done quickly once you have practiced a few times! Turn the ramp onto its side (preferably on a surface that will not damage or wear the edges of the ramp). Loosen the bolts on the Front Legs so the leg can slide easily to the 350 C+ Marker Line (OR EXPERT 500 C+ Marker Line). This should correspond with the FIRST BOLT. Tighten both bolts to the recommended 12 Nm.



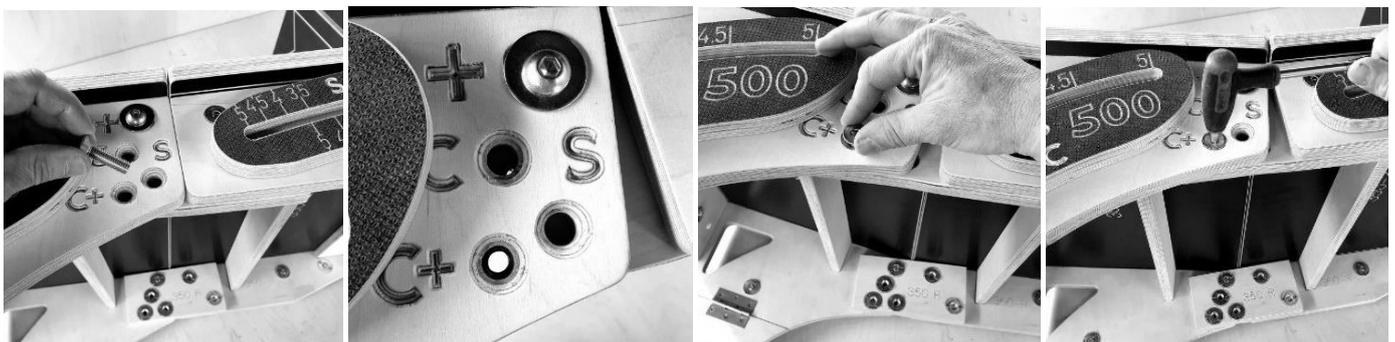
Loosen the Bolts on the Curved Rear Leg. Slide the Leg to the 350 C+ (OR EXPERT 500 C+ Marker Line). This should correspond with the FIRST BOLT. Tighten both bolts to the recommended 12 Nm.



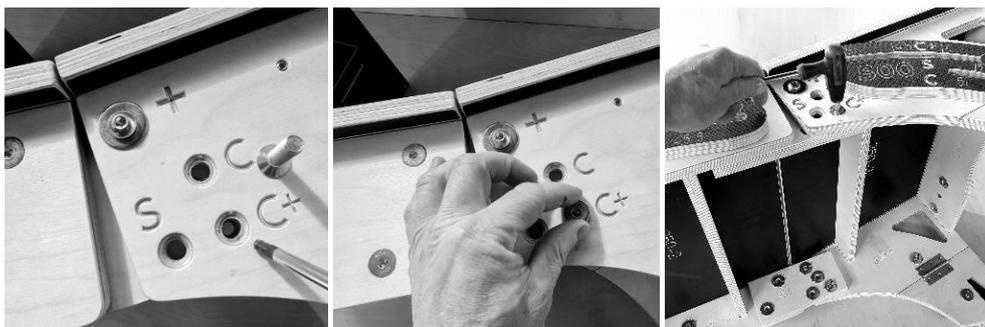
Loosen the + Bolt on the Joining Plate. Remove the Countersink bolt from Point S and place to one side. DO NOT TRY AND PLACE THE BOLT IN C+ POSITION YET! Turn the Ramp Over!



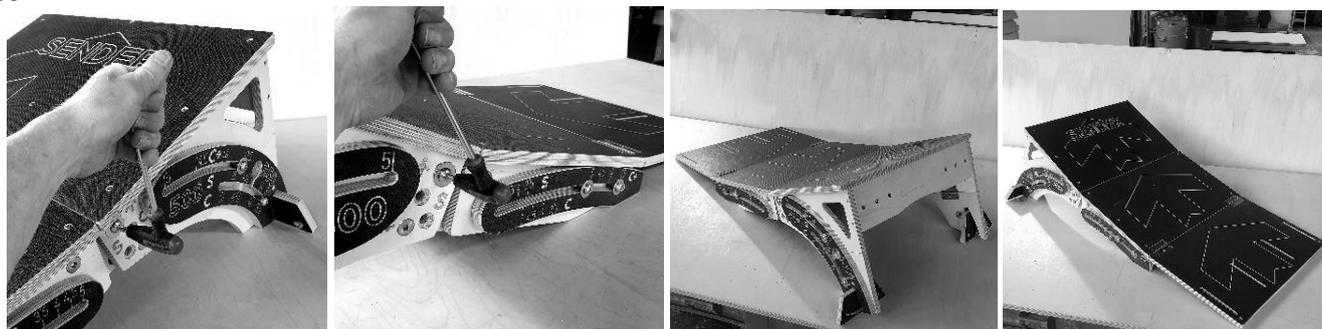
Repeat the process of loosening, sliding and then securing the bolts on the FRONT and REAR Curved Legs at the 350 C+ (OR 500 C+) marker lines. Loosen the + Bolt and remove the Bolt at position S. Manipulate the Sections so the C+ Hole lines up with the plate below and replace the Countersink Bolt by hand and then tighten the bolt.



Turn the Ramp back over and manipulate the ramp sections so that the **C+** Hole and Joining plate align. Replace the bolt by hand and tighten the bolt.



If the feet have been removed install / push these into place before turning the ramp over into JUMP MODE. **PRESS FIRMLY AT THE JOIN TO SEAT THE JOINING BLOCK AT THE + POSITION.** Go around ALL the ramp bolts checking that they are tight before starting a JUMP SESSION. You are now ready to TAKE OFF or LAND at ADVANCED 350 CURVED PLUS or EXPERT 500 CURVED PLUS



STORAGE AND TRANSPORT MODES

Your ramp has two storage modes. **Compact** and **Super Compact**.

Compact Mode: Turn the ramp onto its side and loosen the FRONT CURVED LEG BOLTS. Slide the Leg back into the Storage position. Tighten the bolts.

Loosen the Rear Curved Leg Bolts and slide the leg to the point where the bolt can be moved out of the CIRCULAR HOLE / SLOT into the ESCAPE HOLE. At this point the Folding Leg DROPS and allows you to move / pivot the Curved Rear Leg into the storage position alongside the Ramp Sides. Tighten the Bolts. Turn the Ramp to the other side and repeat this process. Fold the Ramp Surface along the HINGE. The Ramp is now in Compact Storage / Transport MODE.



COMPACT ADVANCED RAMP – COMPACT EXPERT RAMP

Super Compact Mode: Move the FRONT Curved Legs into the storage position. **Remove** the Rear Curved Legs. Undo and **Remove** the joining blocks. **Fold** the Ramp Surface. You now have a very compact stack of components. Ensure you store the bolts in a safe place. You may wish to **strap** the sections together OR better place in our (optional) transport bag.



SUPER COMPACT ADVANCED RAMP – SUPER COMPACT EXPERT RAMP

TERRAIN ADJUSTMENT

Progression ramps allow you to adjust the 4 Legs independently to level the ramp on uneven terrain. Just set the ramp up in the MODE / Transition / height setting you require. Sit the ramp in the location you plan to jump and make the necessary adjustments checking all bolts again before jumping.

STORING YOUR RAMP – KEY POINTS TO REMEMBER

Your ramp should be stored in a dry location. Shipping Containers are terrible for humid, warm and cold conditions that are perfect for growing mould and mildew. Birch Plywood (and other sheet materials) are prone to these growths if it is not treated. Your ramp **CAN BE** used outside in the rain and in wet grass but if you would like your ramp to last a lifetime bring it inside after use. We strongly recommend treating your ramp with a preservative. Please see below.

Never leave your ramp in the transport bag if it has been used in wet grass or in the rain.

SENDER TRANSPORT BAG

Our Transport bags are manufactured in the UK. they are strong but not indestructible. The webbing straps are double welded but you must avoid picking the ramp up with one strap! Use the Lifting Loop and a strap at the same time to mount the ramp on your bag.

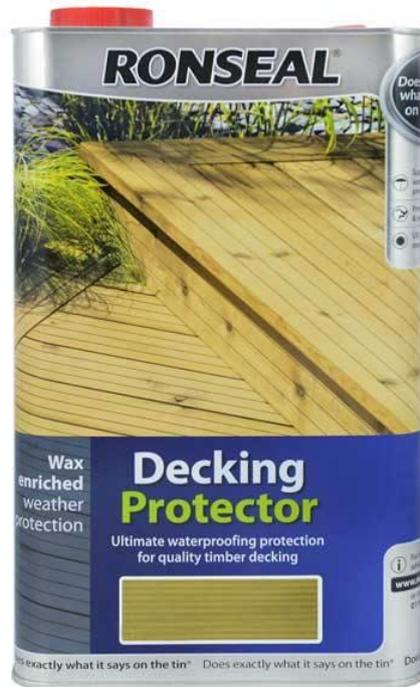
IMPORTANT! PRESERVING RAMPS + COLOURED RAMPS:

BLUE COLOURED RAMPS MUST BE TREATED WITH RONSEAL LOW VOC WATER BASED DECKING PROTECTOR – NATURAL or CLEAR! This will seal and maintain the colour. You should apply the preservative carefully onto these blue surfaces allowing the coating to soak into the wood. Coat all cut edges twice. If you do not coat the blue surfaces you may experience loss of pigment when the ramp is wet.

On ALL other colours you should coat all cut edges twice but run a test on an internal coloured part to check the discolouration! BEFORE committing to coating the coloured faces.

NATURAL WOOD / PHENOLIC MESH PLYWOOD

It is not essential to use a preservative but it will greatly increase the longevity of your ramp and prevent unsightly marks. NEVER use a varnish. Use a water based protector. These are very easy to apply as long as you use a wet, then dry cloth to remove the excess from all BROWN Surfaces. It leaves a waxy film that peels in the rain! You should coat / treat all cut edges, all birch faces and any holes / routed text. Preferably twice! And again annually or biannually. A Clear or Natural Colour should not YELLOW the wood. Ronseal LOW VOC Decking Protector easily and quickly soaks in and dries leaving an effective barrier.



DISPOSING OF YOUR RAMP

You should remove all screws / nuts and bolts and place these in metal recycling. You must put the plywood in the wood recycling.

BETTER! Get in touch for new parts or one of our refresh kits! Keep using the ramp or selling the ramp to another user is by far the MOST ENVIRONMENTALLY FRIENDLY SOLUTION!

Thanks again – We hope you enjoy the process of building your ramp and then making fast progress to new skill levels and greater confidence on the trail!

Scott and Team

You can get expert advice at Sender. Do not hesitate to contact us. You can also order replacement parts. This keep your purchase environmentally friendly and keeps you rolling.

Please subscribe to our YouTube Channel Sender Ramps for notifications when we upload new films. If you need advice or help please contact us [direct support@sender-ramps.com](mailto:support@sender-ramps.com)