

STASHED



**SPACE
RAIL**

**FREESTANDING
SYSTEM**

INSTRUCTIONS & ASSEMBLY GUIDE
VERSION .01

LIFE STORED BETTER



LIFE

GREAT KIT LETS US
GET MORE OUT OF LIFE

STORED

STASHED STORAGE SAVES SPACE
WITH NO LOSS OF ACCESS

BETTER

SIMPLY BETTER BY DESIGN



➔ STASHED

Welcome to your life, stored better

At Stashed, we design and build premium space saving storage systems, so you can enjoy your life, stored better.

Our products are tough enough for business, trusted by professional athletes and are saving space for thousands of riders in homes all over the world.

Your product has been thoughtfully designed, tested and manufactured in Wales (UK) by people who are passionate about quality products and care about protecting your bikes as much as you do.

All our products are built to last and are covered by our no quibble 2-year guarantee in the unlikely event you'll need to use it!

Thank you for purchasing this product, we hope you enjoy using it as much as we enjoyed making it.

Stashed Products Team





REQUIREMENTS

CHECK SUITABILITY OF YOUR SPACE FOR USE WITH THE FREESTAND SYSTEM

- A minimum ceiling height of 2250mm (89") required
- See page 3-5 for minimum required floor space required to install FreeStand, including wheel and handlebar overhangs.
- For optimum performance we recommend that Freestand is not positioned against a wall.
- Floor must be strong enough to take the weight of the FreeStand unit, all bikes and equipment. If in doubt seek advice from a building professional or structural engineer.
- Floor must be smooth and level, adjustable feet can compensate for up to 32mm (1 1/4") deviation.
- Ideally you will have at least 2.5m (8.2') square of clear area on the floor for assembly.

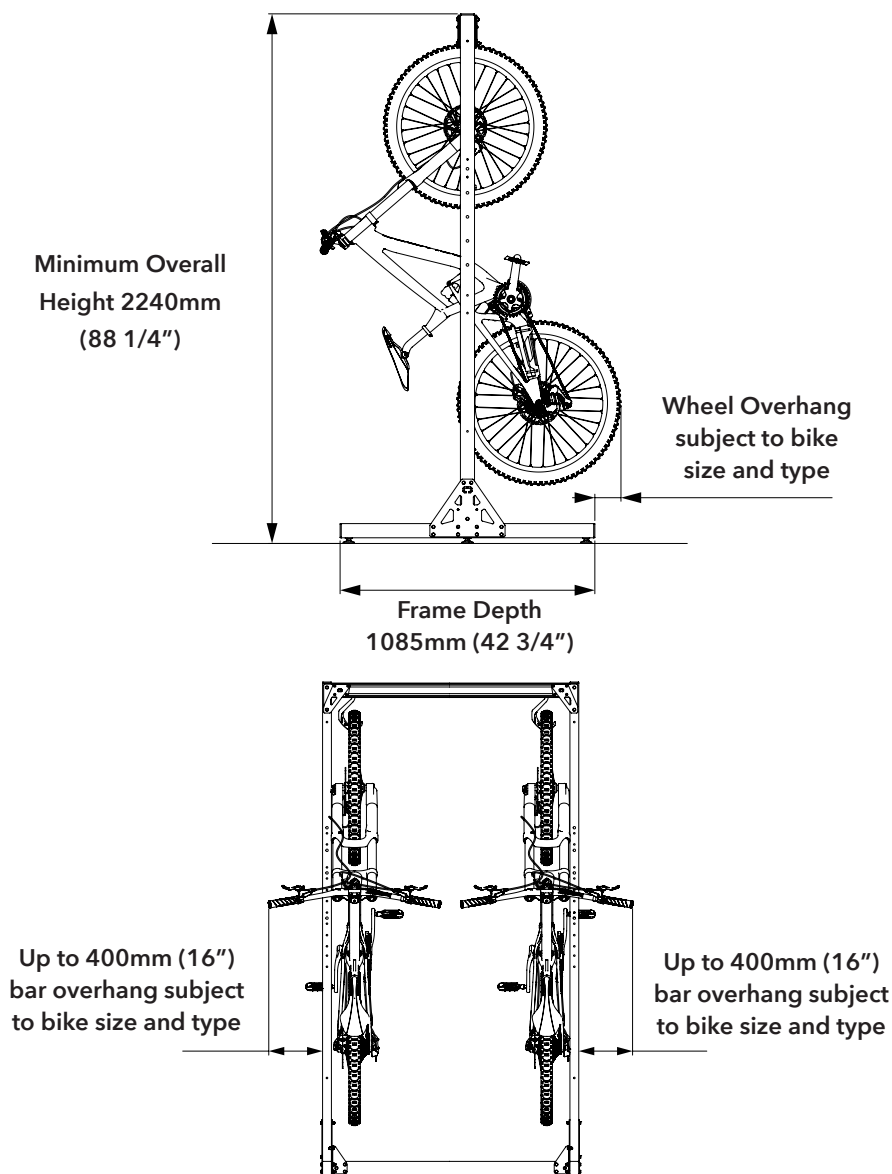
TOOLS REQUIRED

As a cyclist we anticipate you will already have the majority of the tools you need to install this product.

- 4mm hex key
- No. 2 Pozi Screwdriver
- Spirit Level
- Tape Measure
- 2 x 10mm Spanner / Socket
- 2 x 17mm Spanners
- A Mallet or Soft Hammer.
- A Helper

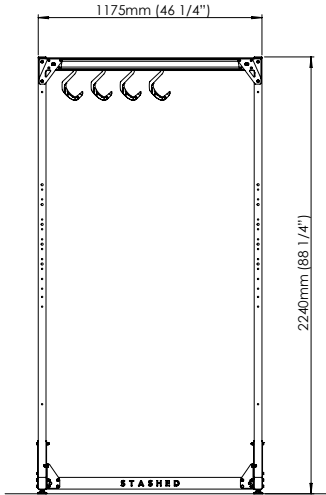


REQUIREMENTS





4 BIKE STARTER UNIT



Dimensions (LxDxH)

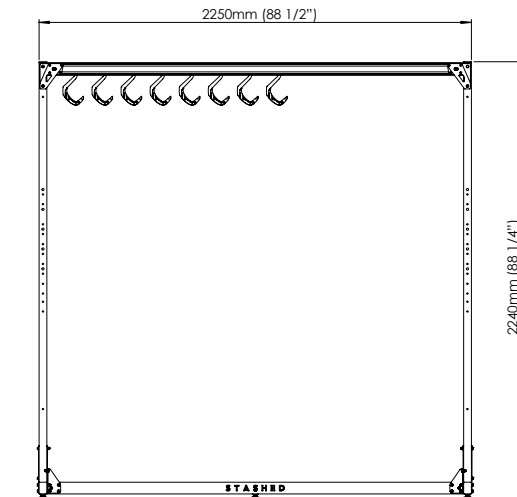
1175mm x 1085mm x 2240mm

46 1/4" x 42 3/4" x 88 1/4"

Approx Weight:

35kg / 77 lbs

8 BIKE STARTER UNIT



Dimensions (LxDxH)

2250mm x 1085mm x 2240mm

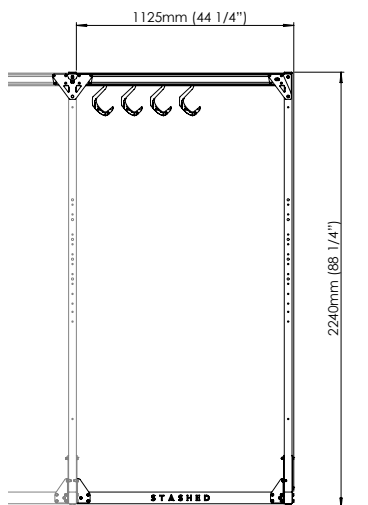
88 1/2" x 42 3/4" x 88 1/4"

Approx Weight:

40kg / 88 lbs



4 BIKE EXTENSION UNIT



Dimensions (LxDxH)

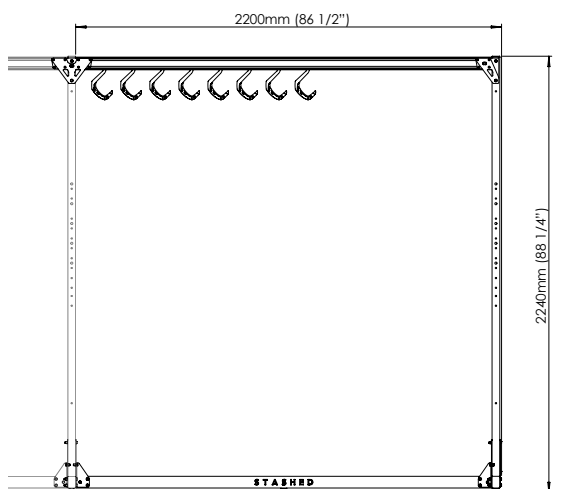
1125mm x 1085mm x 2240mm

44 1/4" x 42 3/4" x 88 1/4"

Approx Weight:

23.5kg / 52 lbs

8 BIKE EXTENSION UNIT



Dimensions (LxDxH)

2200mm x 1085mm x 2240mm

86 1/2" x 42 3/4" x 88 1/4"

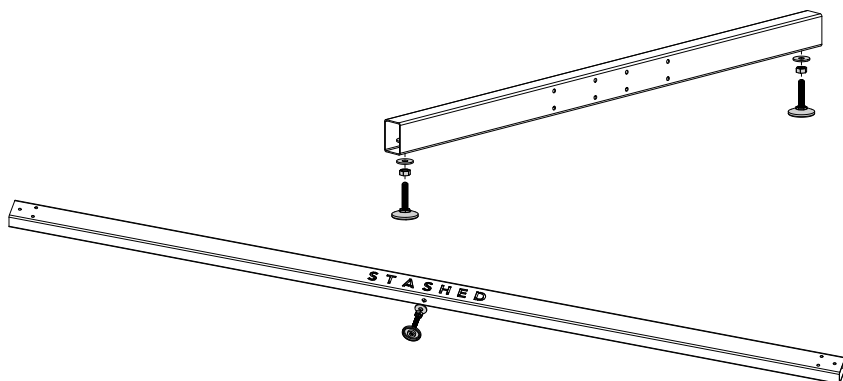
Approx Weight:

28.5kg / 63 lbs

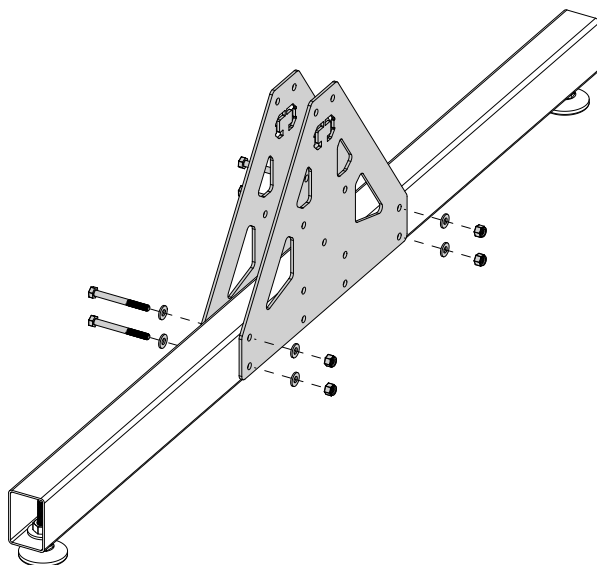


QUICK START INSTRUCTIONS

- Q1** FIT THE ADJUSTABLE FEET TO THE LEGS AND JOINER BEAM
(8 BIKE JOINER BEAM ONLY).

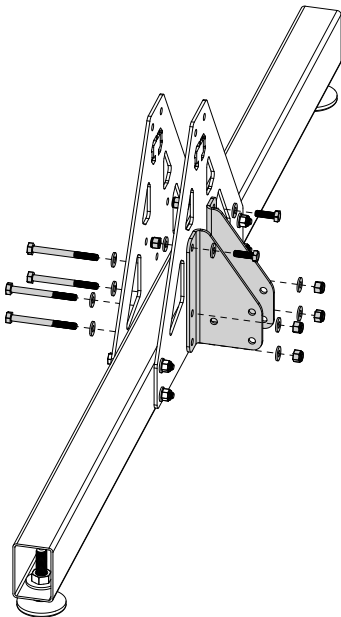


- Q2** FIT LEG PLATES TO THE LEGS USING 4 X M6x60MM HEX BOLTS, 8 X M6 WASHERS, 4 X M6 NYLOC NUTS.

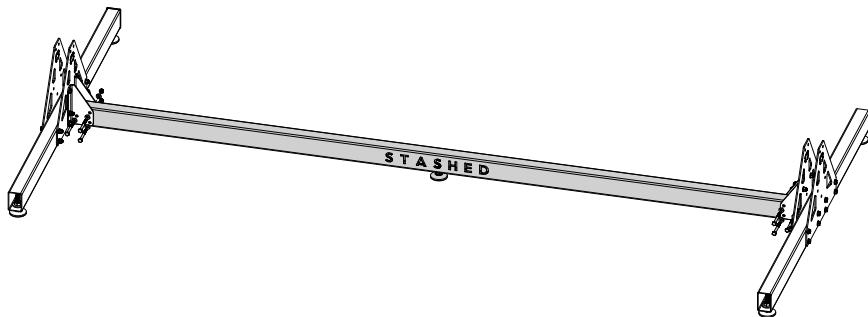




- Q3** FIT JOINER BRACKETS TO THE LEGS USING 4 X M6x65MM HEX BOLTS, 2 X M6x20MM HEX BOLTS, 12 X M6 WASHERS, 6 X M6 NYLOC NUTS.

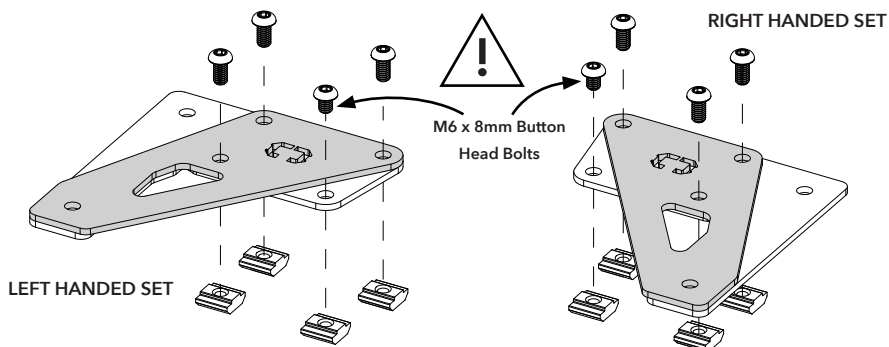


- Q4** CONNECT THE LEGS TO THE JOINER BEAM USING 6 X M6x60MM HEX BOLTS, 12 X M6 WASHERS AND 6 X M6 NYLOC NUTS.

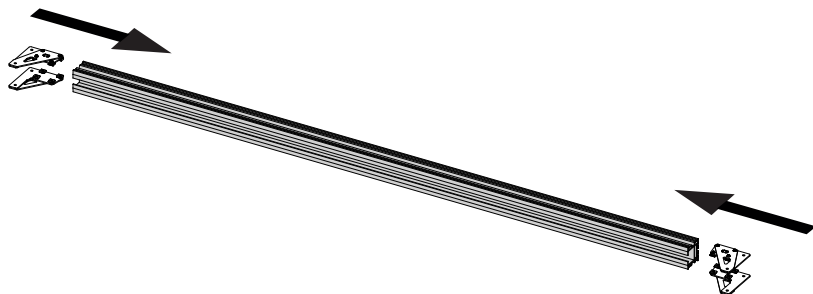




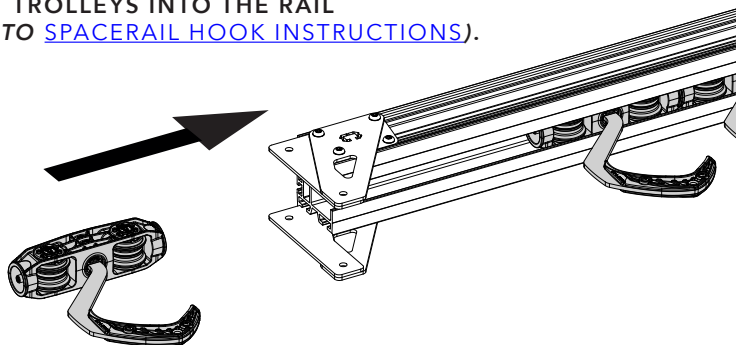
- Q5** ASSEMBLE 2 X LEFT HANDED AND 2 X RIGHT HANDED TOP BRACKET SETS, EACH USING 3 X M6x12MM, 1 X M6x8MM BUTTON HEAD BOLT AND 4 X M6 T-NUTS



- Q6** SLIDE THE 4NO. TOP BRACKET SETS ONTO THE ALUMINIUM RAIL AND TIGHTEN THE BUTTON HEAD BOLTS.

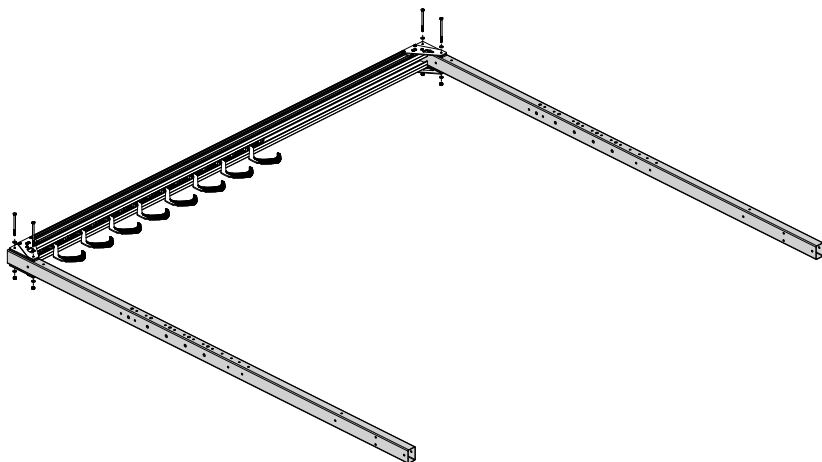


- Q7** INSERT TROLLEYS INTO THE RAIL
(REFER TO [SPACERAIL HOOK INSTRUCTIONS](#)).

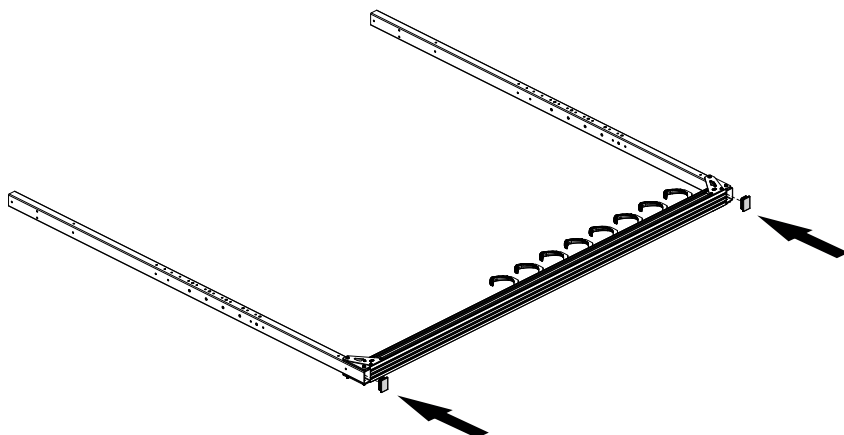




- Q8** BOLT THE POSTS AND POST SPACERS TO THE TOP BRACKETS USING 2 X M6x95MM AND 2 X M6x90MM HEX BOLTS, 8 X M6 WASHERS, 4 X M6 NYLOC NUTS.

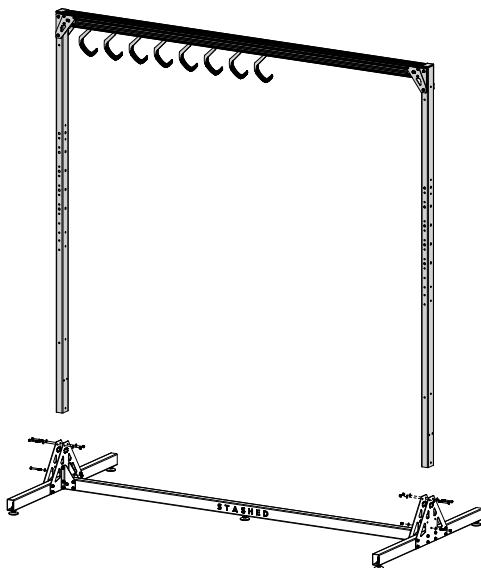


- Q9** INSERT THE PLASTIC END CAPS INTO THE POSTS

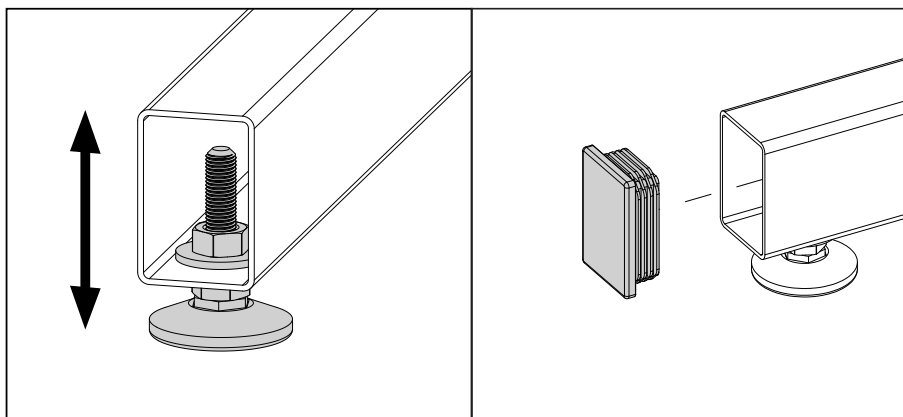




- Q10** LIFT THE RAIL ARCH ONTO THE BASE ASSEMBLY AND SECURE WITH 6 X M6x60MM HEX BOLTS, 12 X M6 WASHERS AND 6 X M6 NYLOC NUTS



- Q11** LEVEL THE UNIT USING THE M10 ADJUSTABLE FEET AND CHECKING WITH THE SPIRIT LEVEL, THEN INSERT THE END CAPS INTO THE LEGS.





CONTENTS

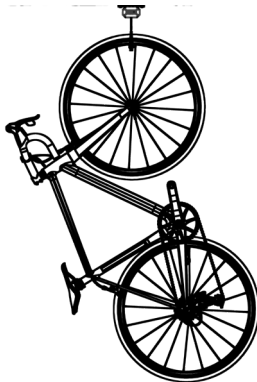
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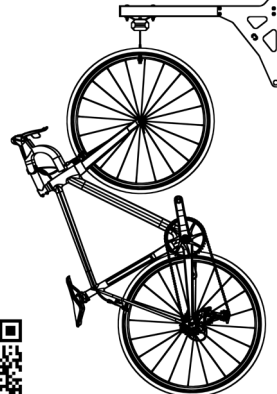
GENERAL NOTES

- All the benefits of SpaceRail bike storage, in an easy to assemble freestanding units. No need to fix to walls or ceilings. Adaptable bike storage designed for rented spaces, urban hang outs, offices, shops and warehouses. FreeStand is the most flexible, site adaptable bike storage system in our range. Select a 4 or 8 bike starter unit and extend your bike storage capacity by adding a 4 or 8 bike extension kit as more storage is required.
- FreeStand features a heavy duty rail - designed to hold the growing number of e-bike fleets. It's our strongest storage system to date.
- Take time to assemble your FreeStand system correctly. A poorly built system may not run correctly, which could reduce performance and potentially compromise load holding ability.
- There are a range of FreeStand Add-ons and accessories available on our [website](#).
- SpaceRail can also be mounted to walls, ceilings and commerical racking - please visit our [website](#) to find out more about our other mounting options.

Ceiling Mounted



Wall Mounted





TECHNICAL SPECIFICATION

-  **FREESTAND MUST BE BUILT ON A SURFACE THAT IS CAPABLE OF SUPPORTING THE LOAD OF THE UNIT PLUS ALL BIKES AND EQUIPMENT STORED ON OR AROUND THE FRAME. IT IS THE RESPONSIBILITY OF YOU (THE CUSTOMER) TO ENSURE THE FLOOR IS OF SUITABLE LOAD BEARING CAPACITY.**
- The system is infinitely extendable - multiple 4 or 8 bike extension frames can be added to the starter unit, you are only limited by available floor space.
- FreeStand is suitable for internal use only.
- FreeStand Component Materials: Powder Coated Mild Steel, BZP Steel, 6063 T6 Aluminium, Polyethylene, LDPE, Stainless Steel, Acetal, Nylon, BZP Steel.
- The 4 and 8 bike FreeStand variations are based on average bike sizes, you may find that bikes with narrow handlebars then additional hooks can be purchased and added to frames fit to more than the specified number of bikes.
- The Universal Hooks are rated to carry 30kg/65lbs, suitable for all bikes including e-bikes.
- The suggested bikes per unit, rail length and maximum loads are shown in the table below.
- If you are unsure how to assemble or use this product, please reach out and ask our experts or look for fitting examples and instruction videos on our website www.stashedproducts.co.uk

NUMBER OF BIKES	NUMBER OF RAILS	RAIL LENGTH (INSIDE OF POSTS)	MAX LOAD INDIVIDUAL RAIL (KG / LBS)
1-4	1	1074mm / 42.3"	80kg / 176lbs
5-8	1	2150mm / 84.6"	160kg / 352lbs

THERE IS NO LIMIT TO THE NUMBER OF BIKES FREESTAND CAN STORE. ADD MORE RAILS AS REQUIRED



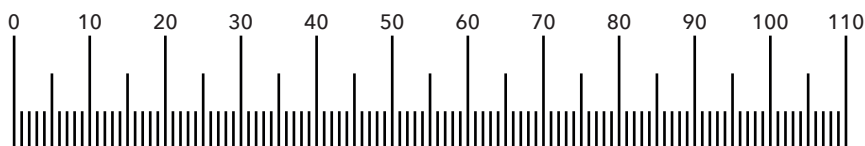
WARNINGS ⚠

Stashed Products do not take responsibility for the supporting structure around FreeStand. In using this product, the customer agrees to take all necessary measures to ensure the structure is suitable.

- It is essential to determine the suitability and load bearing strength of your floor, if in doubt consult a professional.
- Although every effort has been taken to remove sharp edges, component edges can still be sharp, so take care when handling or installing this product.
- Objects can fall from the SpaceRail system if not correctly hung.
- Do not connect an extension Rail to the starter unit without support at the other end, even momentarily during installation.
- Ensure all fixings are tightened and secure, these should be checked periodically, as using the unit may loosen some fixings.
- FreeStand is not suitable for shock loads. Gently place objects on to the Bike Hooks.
- Not to be used by children or as a toy!
- When installing this product always wear the appropriate safety equipment.
- Check bikes are safe for use and all hanging adapters have been removed every time they are taken off the SpaceRail.
- Keep the area beneath your rail clear of other items so bikes can be accessed from directly below.
- When using the product take care lifting your bikes on and off the hooks. Stashed Products does not accept responsibility for any harm or injury caused by lifting bikes.
- ⚠ NEVER USE FOR HUMAN SUSPENSION!
- ⚠ WARNING: CANCER AND REPRODUCTIVE HARM.
SEE WWW.P65WARNINGS.CA.GOV

BOLT LENGTH CHECKER (MILLIMETRES)

*To scale when printed as A5 booklet.



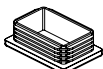
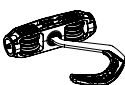


PARTS LIST

PART	IMAGE	DESCRIPTION (LENGTH)	BIKE STARTER			
			4 BIKE STARTER	8 BIKE STARTER	4 BIKE EXTENSION	8 BIKE EXTENSION
SB-L-0001A		8 BIKE RAIL (2150mm/84-7/16")	0	1	0	1
SB-L-0001B		4 BIKE RAIL 1074mm/42-5/16"	1	0	1	0
SB-L-0021		JOINER BEAM SHORT (1068mm/42-1/16")	1	0	1	0
SB-L-0004		JOINER BEAM LONG (2144mm/84-7/16")	0	1	0	1
SB-L-0003		LEG BEAM (1074mm/42-5/16")	2	2	1	1
SB-L-0002		POST (2150mm/84-7/16")	2	2	1	1
SB-L-0005		LEG PLATE	4	4	2	2
SB-L-0022L		JOINER BRACKET LEFT	2	2	2	2
SB-L-0022R		JOINER BRACKET RIGHT	2	2	2	2
SB-L-0011		POST SPACER	4	4	2	2
SB-L-0008		INNER PLATE STARTER	4	4	0	0
SB-L-0010		OUTER PLATE STARTER	4	4	0	0
SB-L-009		INNER PLATE EXTENSION	0	0	2	2
SB-L-007		OUTER PLATE EXTENSION	0	0	2	2



FREESTAND FASTENERS

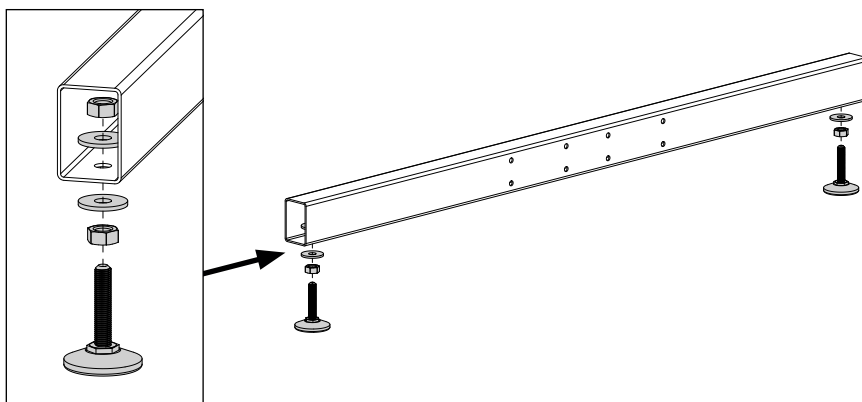
PART	IMAGE	DESCRIPTION	4 BIKE STARTER	8 BIKE STARTER	4 BIKE EXTENSION	8 BIKE EXTENSION
SB-L-0037		M6 x 20MM HEX BOLT	4	4	4	4
SB-L-0015		M6 x 60MM HEX BOLT	20	20	13	13
SB-L-0035		M6 x 65MM HEX BOLT	8	8	4	4
SB-L-0014		M6 x 90MM HEX BOLT	2	2	1	1
SB-L-0034		M6 x 95MM HEX BOLT	2	2	1	1
SB-L-0036		M6 x 8MM BUTTON HEAD BOLT	4	4	4	4
SB-L-0016		M6 x 12MM BUTTON HEAD BOLT	12	12	12	12
SB-G-0012		M6 NYLOC NUT	36	36	23	23
SB-B-0007		M6 SLIDING T-NUT	16	16	16	16
SB-G-0009		M6 FLAT WASHER	72	72	46	46
SB-L-0012		BLACK PLASTIC TUBE END CAP	6	6	3	3
SB-L-0033		RIGID FOOT M10 x 50MM	4	5	2	3
SB-L-018		M10 FULL NUT	8	10	4	6
SB-L-0023		M10 WASHER	8	10	4	6
SB-01-A		HOOK TROLLEY KIT	4	8	4	8



ASSEMBLY INSTRUCTIONS

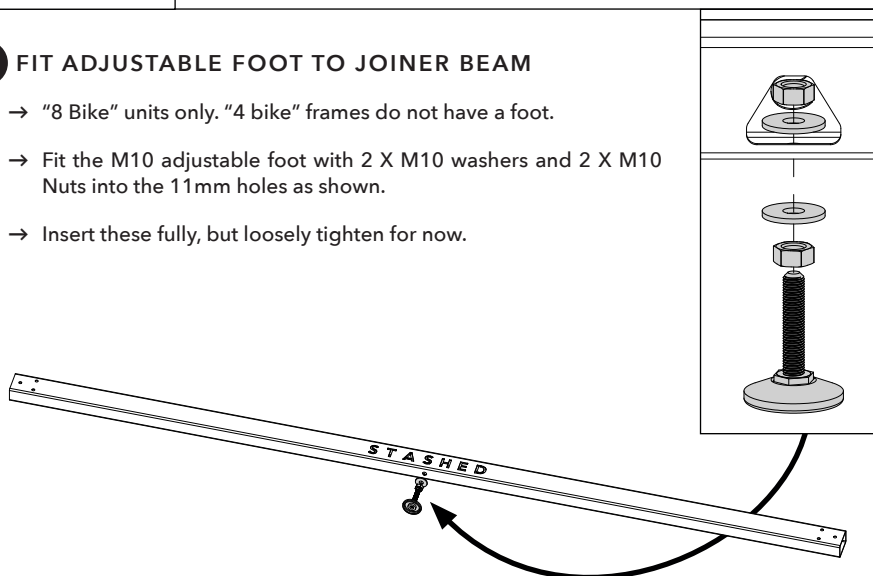
1 FIT ADJUSTABLE FEET TO LEG BEAMS

- Fit each M10 adjustable foot with 2 X M10 washers and 2 X M10 Nuts into the 11mm leg beam holes as shown.
- Insert these fully, but loosely for now.



2 FIT ADJUSTABLE FOOT TO JOINER BEAM

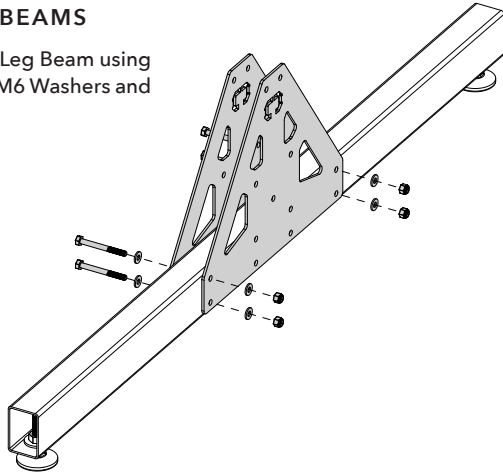
- "8 Bike" units only. "4 bike" frames do not have a foot.
- Fit the M10 adjustable foot with 2 X M10 washers and 2 X M10 Nuts into the 11mm holes as shown.
- Insert these fully, but loosely tighten for now.





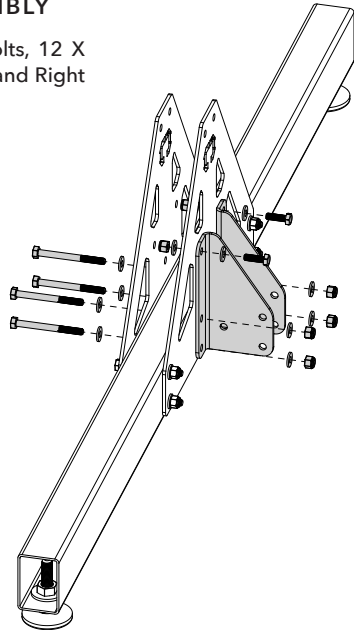
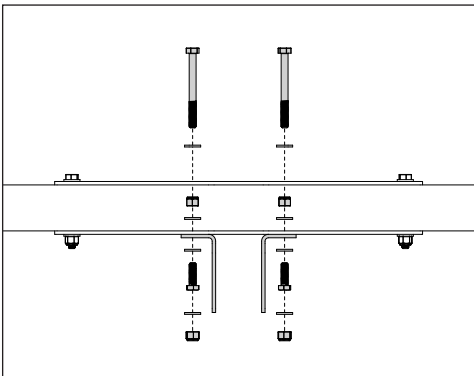
3 FIT LEG PLATES TO LEG BEAMS

- Attach 2 X Leg Plates to each Leg Beam using 4 X M6x60mm Hex Bolts, 8 X M6 Washers and 4 X M6 Nyloc Nuts as shown.
- Tighten loosely for now.



4 FIT JOINER BRACKETS TO LEG ASSEMBLY

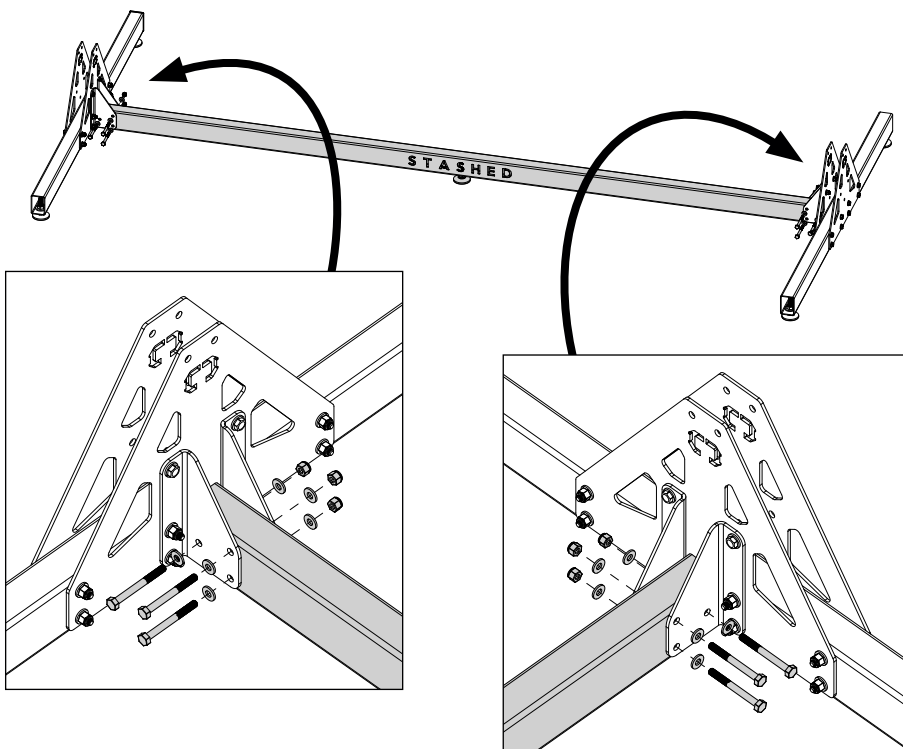
- Using 4 X M6x65mm, 2 X M6x20mm Hex Bolts, 12 X M6 Washers and 6 X Nyloc Nuts, attach a Left and Right handed bracket to each leg as shown.
- Tighten very loosely for now.





5 CONNECT EACH LEG ASSEMBLY WITH THE JOINER BEAM

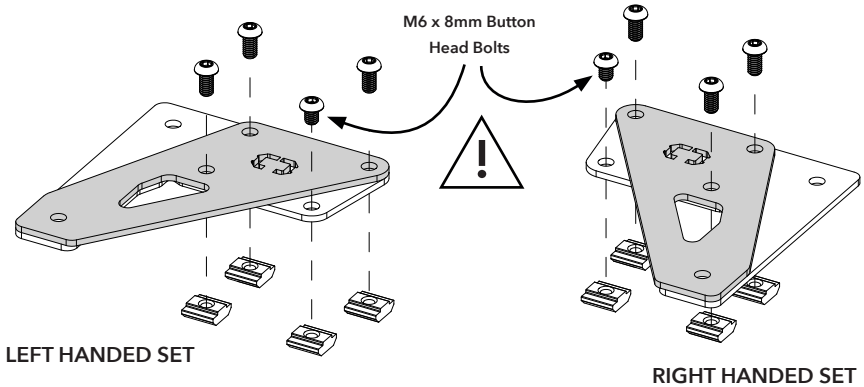
- Lower the Joiner Beam (8 bike shown) between the Joiner Brackets of each leg assembly, if its a tight fit then loosen off the bracket bolts slightly.
- Attach the parts using 6 X M6x60mm bolts, 12 X M6 washers and 6 X M6 nyloc nuts.
- Check squareness of the legs by measuring diagonally to the ends of each leg, the measurement should be the same front left to back right, and front right to back left.





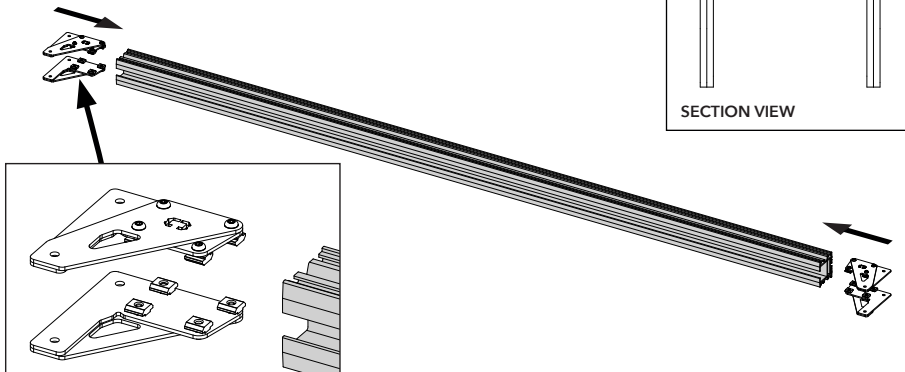
6 ASSEMBLE TOP BRACKETS

- Make 2 X Left handed sets and 2 X Right Handed sets by stacking the plates in order.
- Connect inner and Outer Top brackets using 3 X M6 x 12mm Button Head Bolts, 1 X M6 x 8mm Button Head Bolt and 4 X M6 T-Nuts. Fasten Loosely for now.



7 FIT THE TOP BRACKET SETS ONTO RAIL

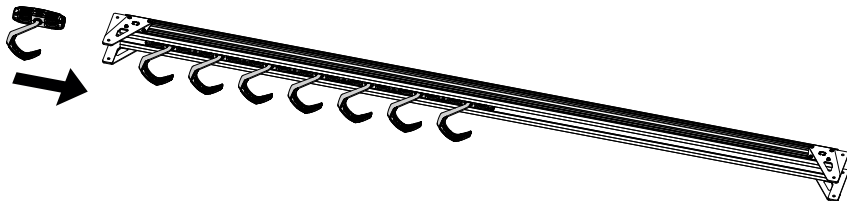
- The T-Nuts fit into the rails side slots as shown below.
- Slide each Bracket assembly onto the Rail (8 bike rail shown) until it stops.
- Tighten the Button Head Bolts equally with a 4mm allen key to hold them in place.





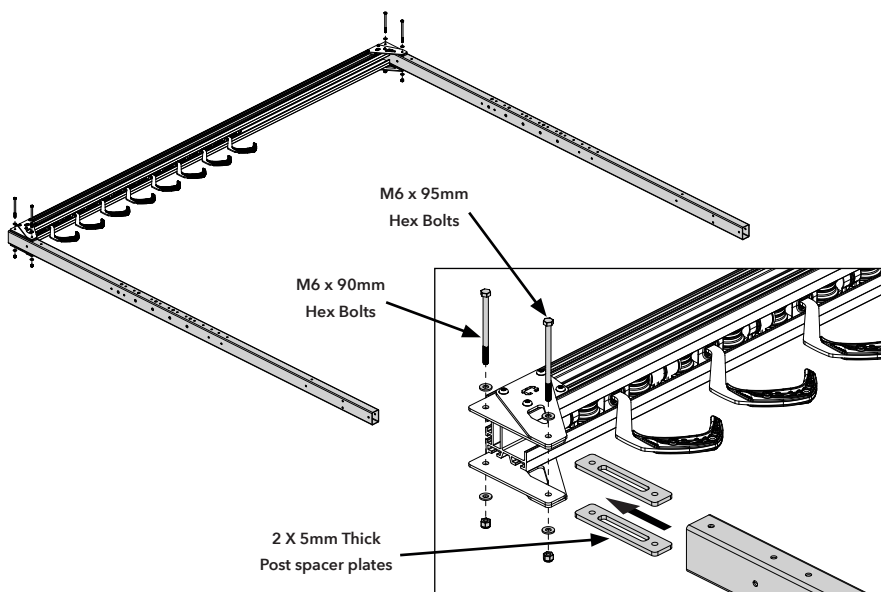
8 INSERT TROLLEYS

- Slide all of your trolleys into the Rail. You need to pull down on the hook, de-activating the auto-loc tech to get them in, (see [SPACERAIL HOOK INSTRUCTIONS](#) for further detail) ensure they run freely and smoothly the whole length of the Rail. Don't forget to grease them!



9 FIT POSTS TO THE RAIL ASSEMBLY

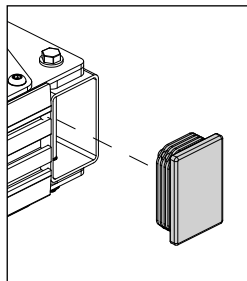
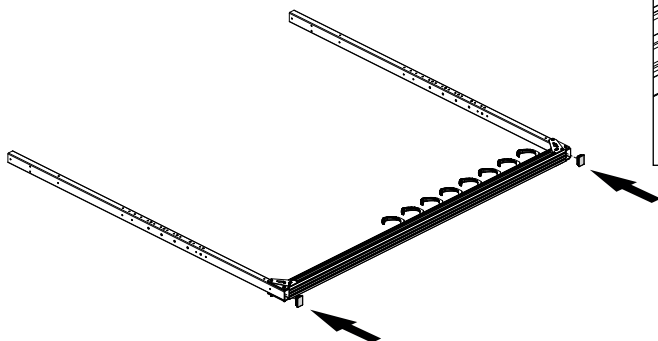
- Slide the posts between the top brackets, with a spacer plate on each side and align the holes.
- Insert the 2 X M6 x 95mm and 2 X M6 x 90mm Hex Bolts as shown, along with 8 X M6 Washers and 4 X M6 Nyloc Nuts. Fasten the Hex bolts slightly.





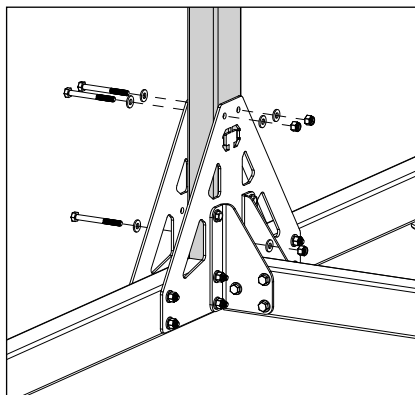
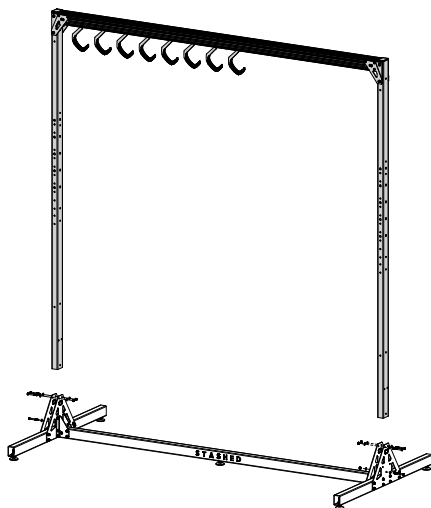
10 FIT END CAPS

- Position your plastic end caps on the top of the posts, knock them in with a soft hammer or mallet.



11 FIT ARCH ASSEMBLY TO BASE ASSEMBLY.

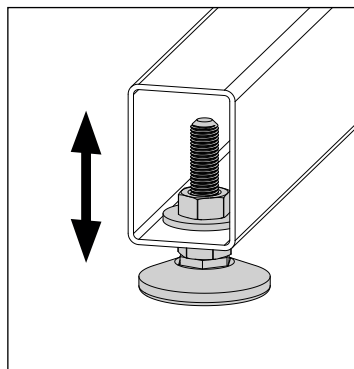
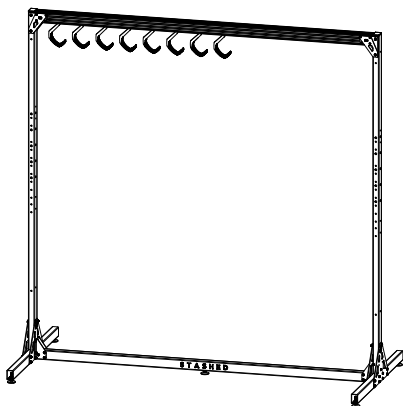
- Lift the arch assembly into an upright position and slot the posts into place between the base brackets
- Secure using 6 X M6x60mm Hex bolts, 12 X M6 Washers and 6 X M6 Nyloc Nuts.





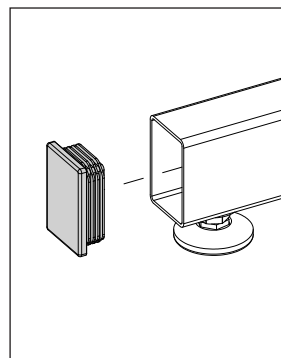
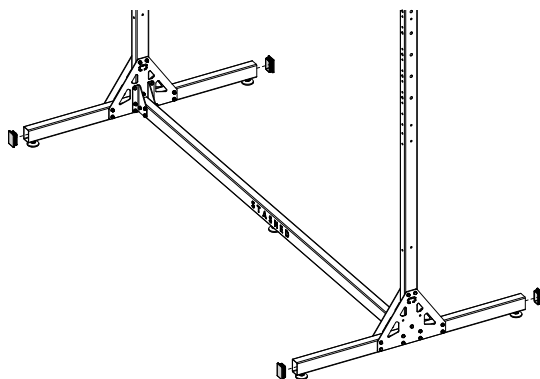
12 ADJUST AND SECURE UNIT

- Move unit into its final location
- Checking with a spirit level, adjust all of the M10 feet with a 17mm spanner to make the legs and joiner beam stable and level.
- Then with the spirit level, check the posts are vertical and the rail is square.
- When the unit is correct, tighten all nuts and bolts fully.



12 FIT END CAPS

- Position your plastic end caps on the end of the legs, knock them in with a soft hammer or mallet.

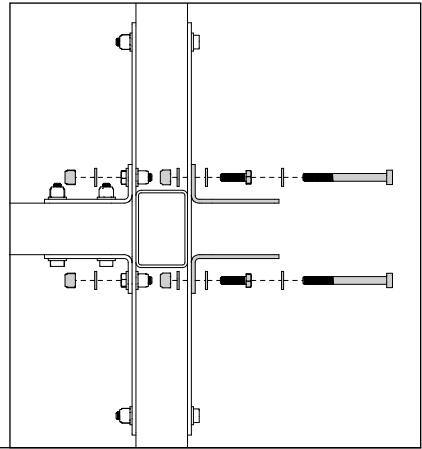
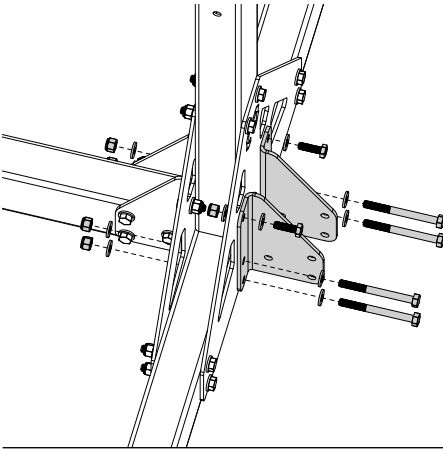




EXTENSION INSTRUCTIONS

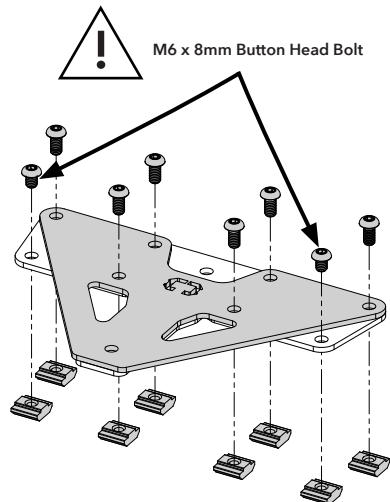
E1 ADD JOINER JOINER BRACKETS

- Remove the 4 X M6x65mm bolts on the side you've chosen to extend.
- Add a left and a right handed Joiner Brackets to the outside of the base plates.
- Re-fit the 4 X M6x65mm bolts as well as 2 X M6x20mm Bolts, 4 X M6 Washers and 2 X M6 Nyloc Nuts.



E2 ASSEMBLE EXTENSION BRACKETS

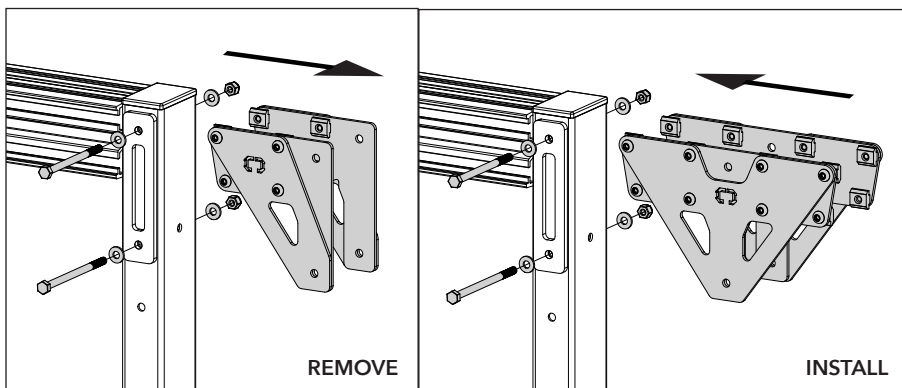
- Make up 2 X sets of extension brackets by stacking the inner and outer plates in order.
- Connect them using 6 X M6 x 12mm Button Head Bolts, 2 X M6 x 8mm Button Head Bolts and 8 X M6 T-Nuts. Tighten Loosely for now.





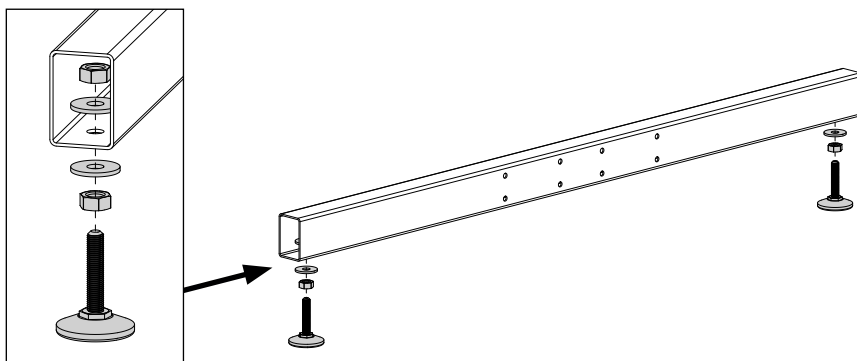
E3 REPLACE TOP BRACKETS WITH EXTENSION BRACKETS

- Keep the rail supported at all times
- Remove the M6 Hex bolts, Loosen the Button Head Bolts, Remove the existing inner and outer top plates, but keep the 5mm thick post spacers in position.
- Fit the extension plate sets as shown, re-use the M6 Hex bolts, washers and nuts.



E4 FIT ADJUSTABLE FEET TO LEG BEAM

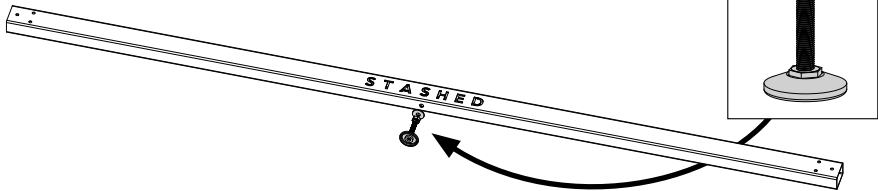
- Fit each M10 adjustable foot with 2 X M10 washers and 2 X M10 Nuts into the 11mm leg beam holes as shown.
- Insert these fully, but loosely tighten for now.





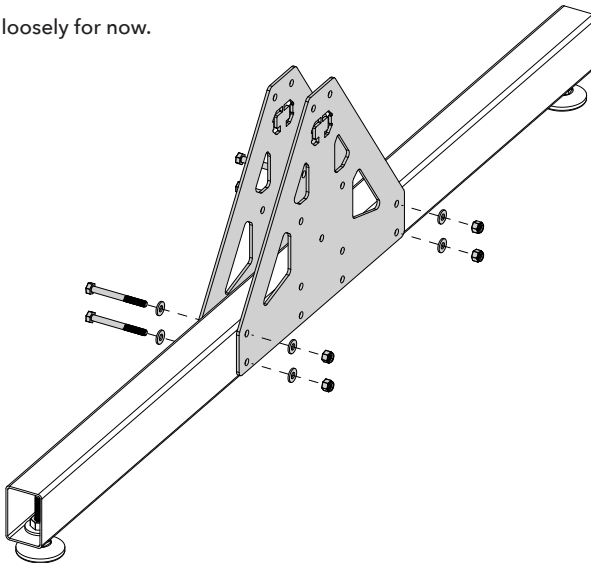
E5 FIT ADJUSTABLE FOOT TO JOINER BEAM

- "8 Bike" units only, "4 bike" joiner beams don't have a foot.
- Fit the M10 adjustable foot with 2 X M10 washers and 2 X M10 Nuts into the 11mm holes as shown.
- Insert these fully, but loosely for now.



E6 FIT LEG PLATES TO LEG BEAM

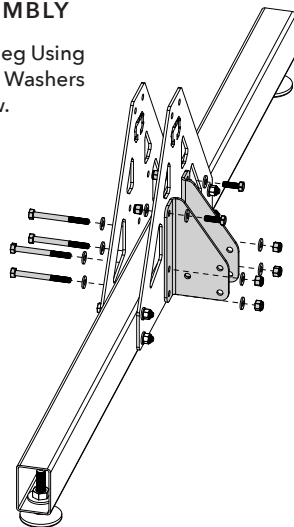
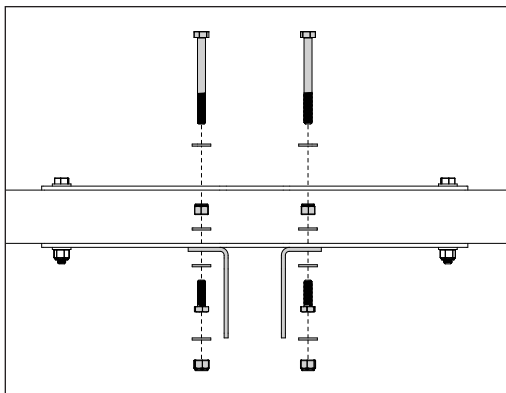
- Attach 2 X Leg Plates to the Leg Beam using 4 X M6x60mm Hex Bolts, 8 X M6 Washers and 4 X M6 Nyloc Nuts as shown.
- Fasten loosely for now.





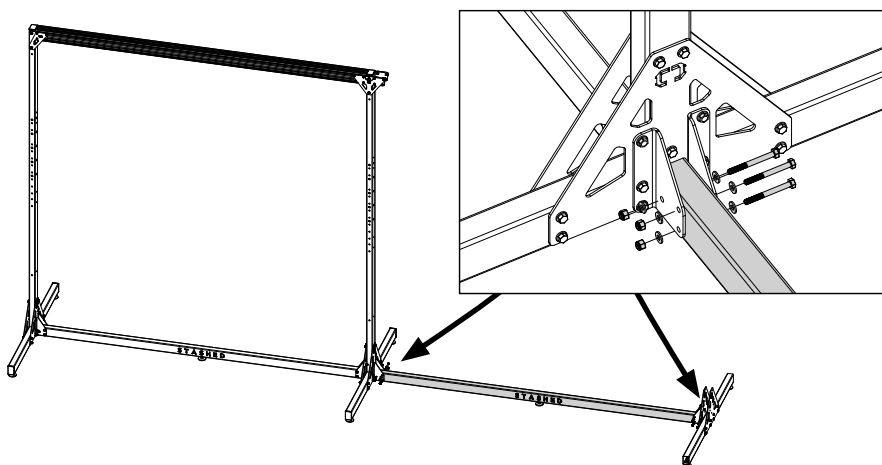
E7 FIT JOINER BRACKETS TO NEW LEG ASSEMBLY

- Attach a Left and Right handed Joiner bracket to the leg Using 4 X M6 x 65mm, 2 X M6 x 20mm Hex Bolts, 12 X M6 Washers and 6 X Nyloc Nuts, as shown. Fasten loosely for now.



E8 CONNECT NEW JOINER BEAM AND LEG ASSEMBLY TO THE STARTER FRAME

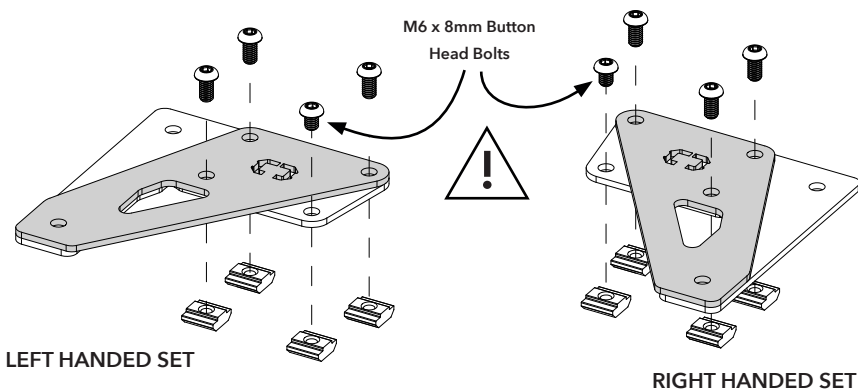
- Fit the Joiner Beam (8 bike shown) between the Joiner Brackets of each leg assembly, if its a tight fit then loosen off the bracket bolts slightly.
- Attach the parts using 6 X M6 x 60mm bolts, 12 X M6 washers and 6 X M6 nyloc nuts. These bolts can be tightened fully.





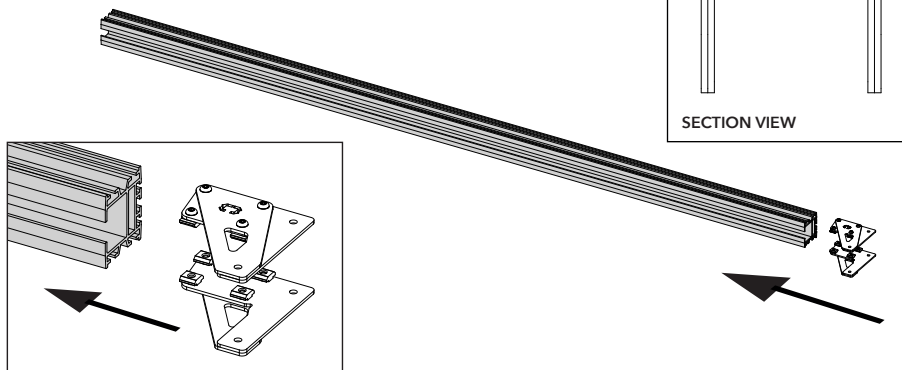
E9 RE-USE TOP BRACKET SETS FROM STARTER UNIT

- Prepare the Top bracket sets that you removed from the starter frame in step E2. You should have 1 X Left handed set and 1 X Right handed set.
- The sets should be connected with 3 X M6 x 12mm Button Head Bolts, 1 X M6 x 8mm Button Head Bolt and 4 X M6 T-Nuts. Fasten Loosely for now.



E10 FIT THE TOP BRACKETS ONTO THE NEW RAIL

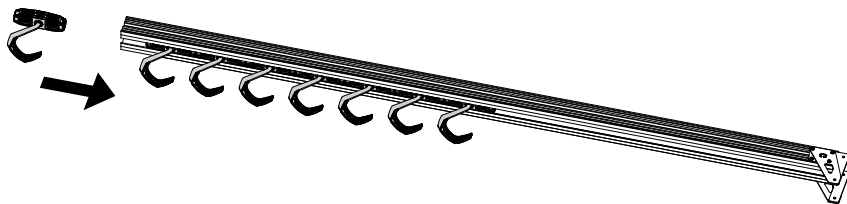
- The T-Nuts fit into the rails side slots as shown below
- Slide each Bracket assembly onto the new rail untill it stops. (8 bike rail shown)
- Tighten the Button Head Bolts slightly with a 4mm Allen Key to hold them in place.





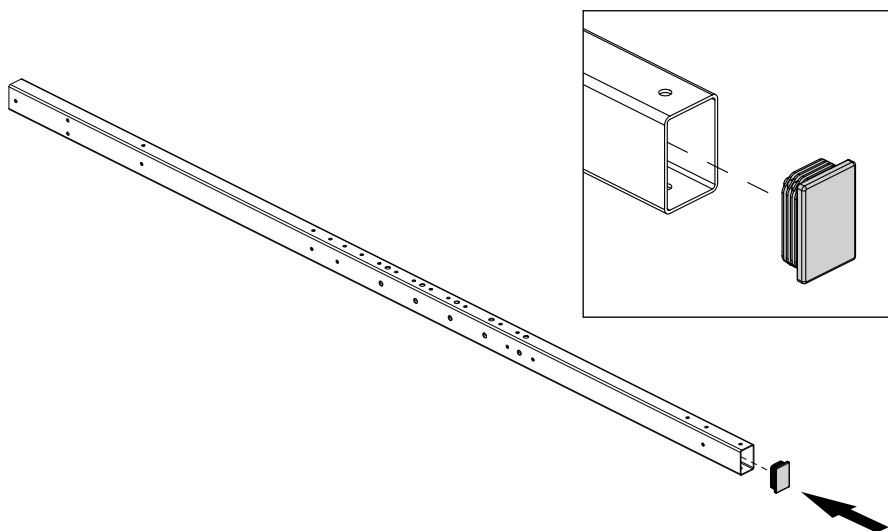
E11 INSERT TROLLEYS INTO NEW RAIL

- Slide all of your trolleys into the Rail. You need to pull down on the hook, de-activating the auto-loc tech to get them in, (see [SPACERAIL HOOK INSTRUCTIONS](#) for further detail) ensure they run freely and smoothly the whole length of the Rail. Don't forget to grease them!



E12 FIT END CAP ON NEW POST

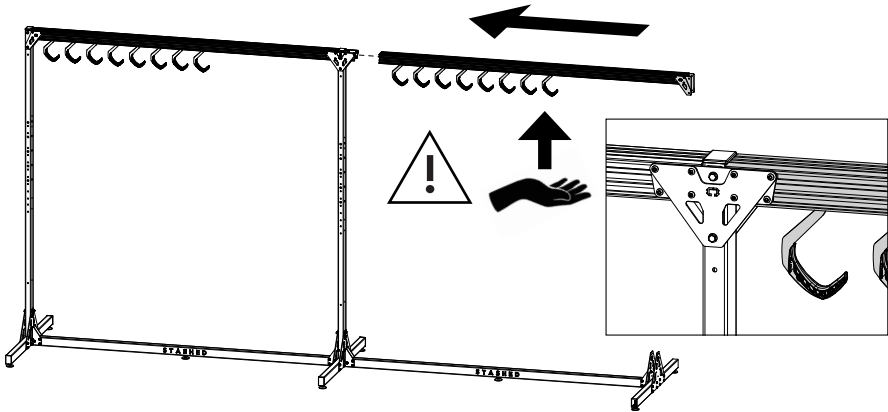
- Position your plastic end caps on the top of the posts, knock them in with a soft hammer or mallet.





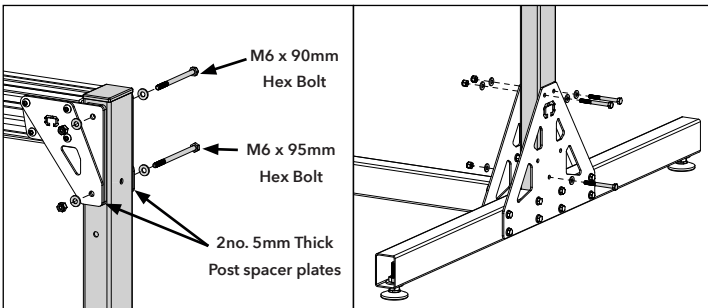
E13 POSITION NEW RAIL INTO EXTENSION BRACKET

- Lift the new rail assembly and slot onto the extension brackets. The T-nuts slot into the rails side channels. Tighten the button head bolts with a 4mm allen key
- 1 person must continue to support the rail throughout the next step.



E14 FIT NEW POST

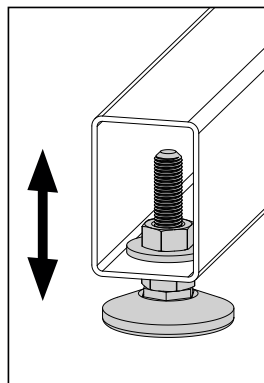
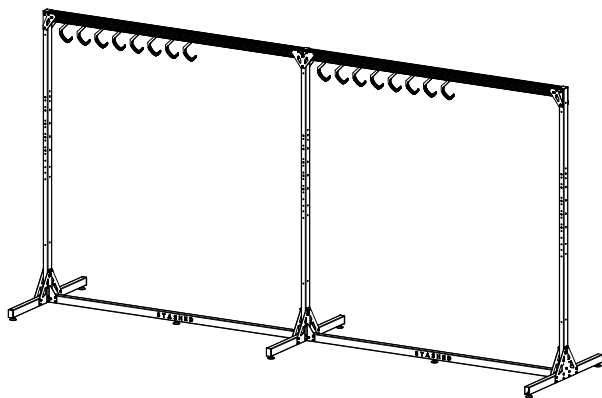
- Lift the new post into position, slot between the base brackets at the bottom and between the Top brackets at the top.
- At the top add the 5mm Post spacers and then insert in the M6 x 90mm & M6 x 95mm Hex bolts, 4 X M6 Washers and 2 X M6 Nyloc Nuts.
- At the bottom fit 3 X M6x60mm Hex bolts, 6 X M6 Washers and 3 X M6 Nyloc Nuts.





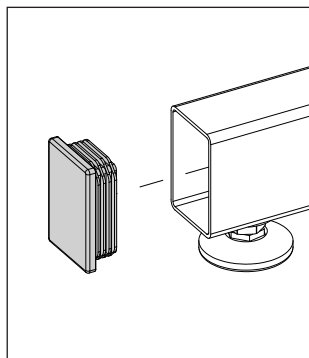
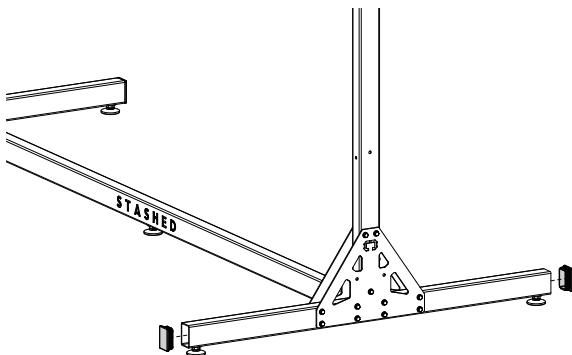
E15 ADJUST AND SECURE UNIT

- Move unit into its final location
- Checking with a spirit level, adjust all of the M10 feet with a 17mm spanner to make the legs and joiner beam stable and level.
- Then with the spirit level, check the posts are vertical and the rail is square.
- When the unit is correct, tighten all nuts and bolts fully.



E16 FIT END CAPS

- Position your plastic end caps on the ends of the new leg, knock them in with a soft hammer or mallet.





FAQ

My Bike Hook keeps rolling on its own

- Check the level of your Rail, adjust the feet to make the until level and stable.

Can I shorten the Rail?

- Not with the freestanding system. Fixed length 4 and 8 Bike systems are available.

My Frame is wobbling

- Check your frame is level, all feet are adjusted correctly, and all the fixings are fully tightened.

I cannot spin my bikes or access them easily

- Change bike order to improve access.
- Rail length is not long enough so add a FreeStand Extension frame.

How many frames can I join?

- The number of frames that can be joined together is unlimited and is only constrained by available support structures. Consult a structural engineer if you are unsure of the maximum load your floor can support.

WARRANTY/RETURNS

All hardware is covered by a 5-year no quibble warranty. Please see our [website](#) for full details.

If any issues arise outside of the warranty period, then we have designed our products to be easily serviceable to ensure they have a long life in service. All parts are available separately from our website.

If you have any problems with your product or questions, please contact us for support.



MAINTENANCE

Your FreeStand frame is generally very low maintenance and should give years of use without issue.

Some basic maintenance tips:

- Ensure the Rail is kept clean and free from debris, this is especially important on the rail faces where the Bike Hook wheels run.
- Clean your Rail with a soft cloth or use compressed air to remove debris from hard to reach areas.

PERIODIC CHECKS

- Check the structural integrity of the floor area around the frame.
- Apply grease to the bullet of the hooks, being careful to avoid the top cap.
- Check all bolts and nuts - retighten if necessary.
- Check for wear to any components such as wheels or impact areas.
- Ensure free movement of trolleys when loaded.
- Ensure Auto-Lock Tech functions correctly when unloaded.

STASHED

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