

STASHED 



SPACE
RAIL

RACK MOUNT KIT

INSTRUCTIONS & INSTALLATION 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





QUICK START

➡ Q1. CHECK SUITABILITY OF YOUR COMMERCIAL RACKING FOR USE WITH THE RACK MOUNT SYSTEM

Box and Step Beams are suitable, Z and L beams are not.



RACK MOUNT IS DESIGNED TO FIT;

BEAM SECTIONS

→ Thickness of 40mm - 50mm / 1.5" - 2"

→ Height from 50mm - 165mm / 2" - 6.5"

Manufacturers produce commercial racking beams in a range of sizes, dependant on use and strength requirements.

We recommend having two beams at the top and one at the lower back, unless access from the rear is essential.

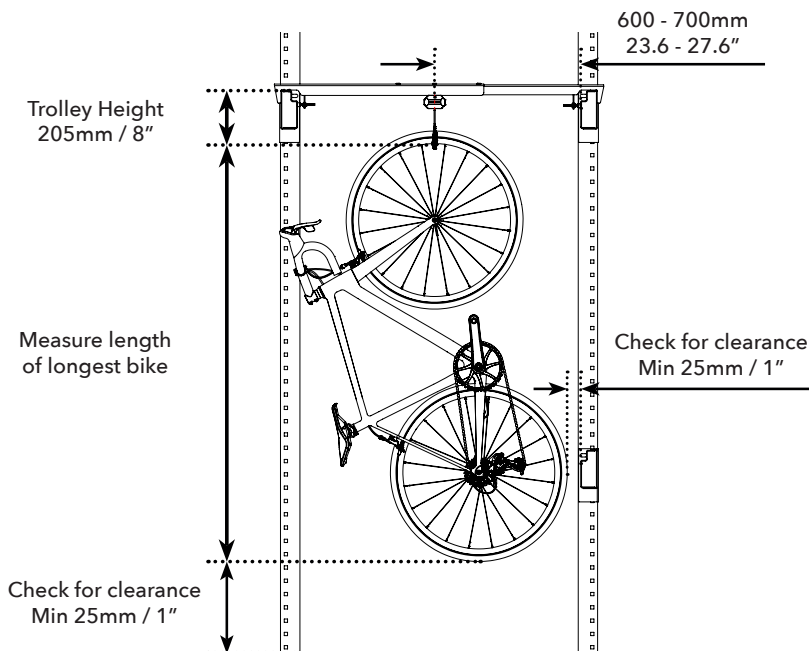
BEAM SPACING DEPTH

→ 900mm - 1250mm / 35.4" - 49.2"

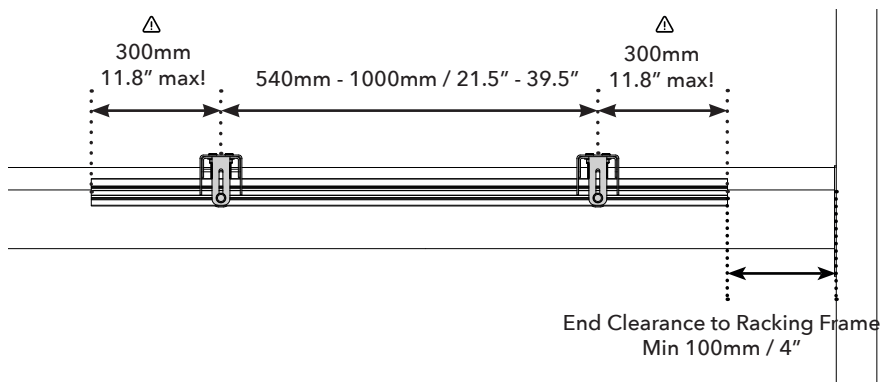
Refer to chart on Page 14 to setup rack mount to suit depth of your commercial racking



→ Q2. CHOOSE INSTALL POSITION AND MEASURE BIKES
TO CHECK HEIGHT AND DISTANCE FROM OBJECTS

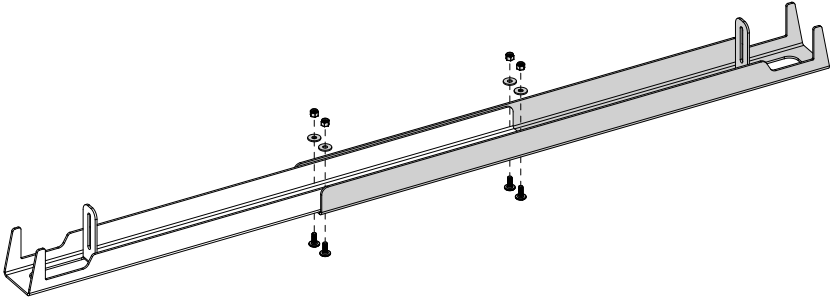


→ Q3. ASSESS POSITIONS FOR RACK MOUNT BEAMS ON RACKING

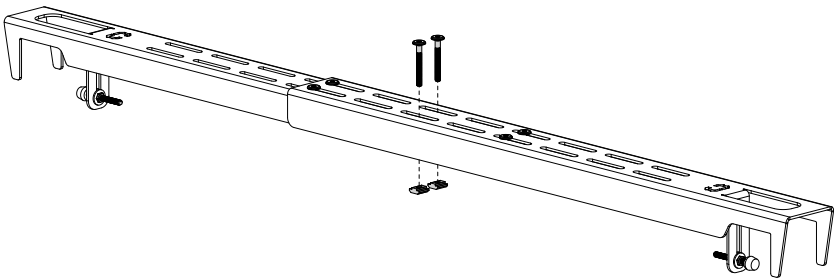




➞ Q4. ASSEMBLE 2 X RACK MOUNT BEAMS - DO NOT FULLY TIGHTEN.

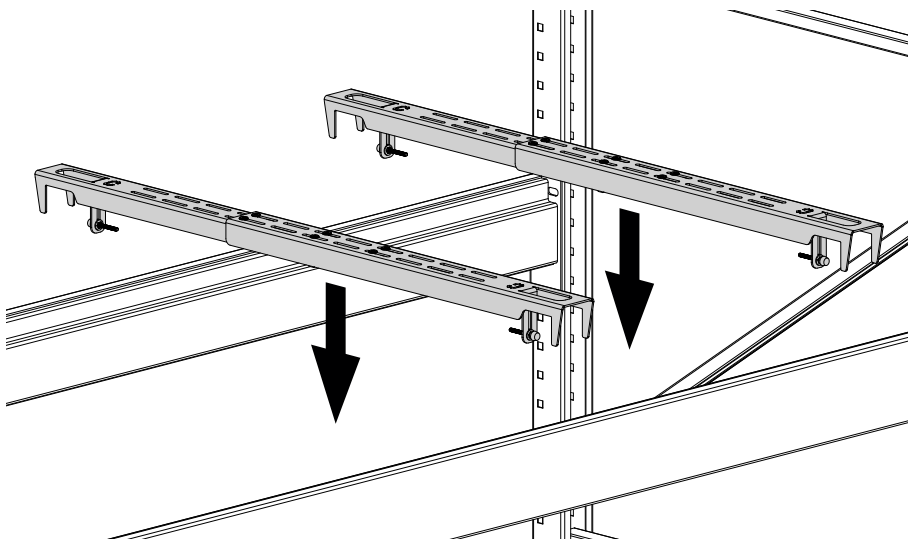


➞ Q5. INSERT RAIL HANGING BOLTS AND RUBBER PRESSURE PADS, DO NOT FULLY TIGHTEN.

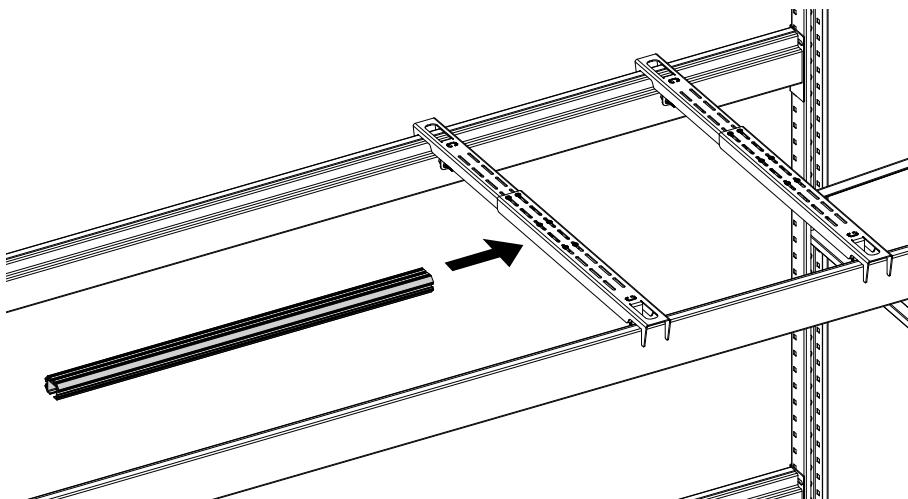




➡ Q6. POSITION RACK MOUNT RAILS ONTO RACKING AND TIGHEN ADJUSTABLE PRESSURE PADS

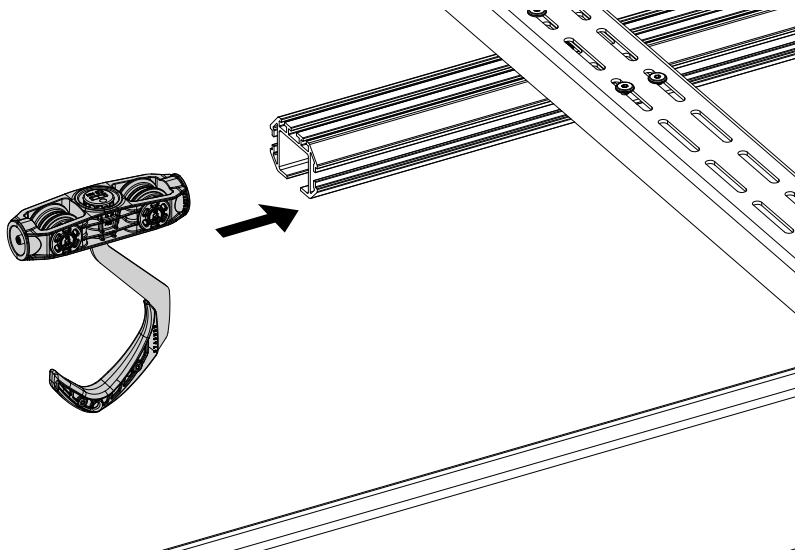


➡ Q7. INSTALL SPACERAIL TO RACK MOUNT BEAMS. MAKE FINAL ADJUSTMENTS AND FULLY TIGHTEN.

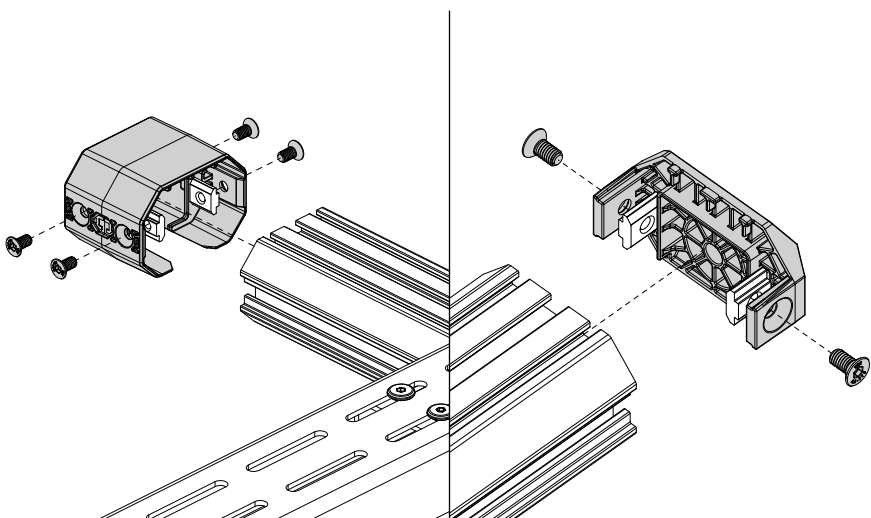




- ➞ Q8. INSERT TROLLEYS (REFER TO [SPACERAIL HOOK INSTRUCTIONS](#)).



- ➞ Q9. INSTALL RAIL JOINER AND TO ADD ADDITIONAL RAILS FOLLOWING STEPS 1-9 OR ATTACH END CAPS TO COMPLETE.





CONTENTS

Stashed Products	1
Quick Start	2
General Notes	8
Technical Specification	9
Warnings	10
Parts Identification	11
Mounting Guide	12
Tools Required	13
Installation	
→ Assemble Beams	14
→ Fit Pressure Pads & Hanging Bolts	15
→ Fit Beams	16
→ Fit Space Rail	17
→ Secure Rack Mount	18
→ Pressure Pad Adjustment	19
→ Fit End Cap and Trolleys	20
→ Fit Other End Cap or Rail Connector	21
→ Extend Rail	22
→ Additional Trolleys and End Cap	23
FAQ & Warranty>Returns	24
Maintenance & Checks	25



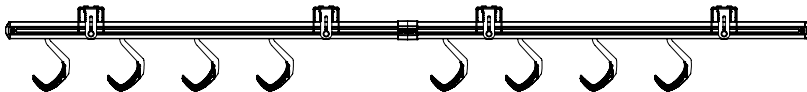
GENERAL NOTES

- Rack Mount is designed to convert your commercial racking system into space saving bike storage. Our easy to use, no-fix mount works with our sliding SpaceRail system so industrial and commercial customers can enjoy the benefit of space saving bike storage.
- Rack Mount is fully adjustable and has been designed to be used with a wide variety of beams. It is the users responsibility to ensure racking is of suitable quality and strength.
- Always assemble commercial racking following the manufacturer's recommendations.
- Take time to fit your Rack Mount and SpaceRail correctly. A poorly fitted system may not run correctly, which could reduce performance and potentially compromise load holding ability.
- SpaceRail can also be mounted to wall or ceiling structures - please visit our [website](#) to find out more about our other mounting options.
- Space Rail Kits and Hooks are sold separately to the Rack Mount system.

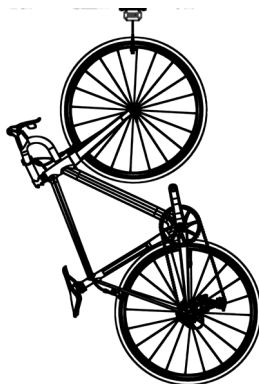
SPACERAIL RACK & MOUNT KIT



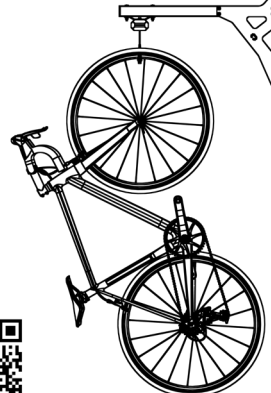
MULTIPLE SPACERAIL & RACK MOUNT KITS



Ceiling Mounted



Wall Mounted





TECHNICAL SPECIFICATION

-  **RACK MOUNT MUST BE ATTACHED TO A RACKING STRUCTURE THAT IS CAPABLE OF SUPPORTING THE LOAD. IT IS THE RESPONSIBILITY OF YOU (THE CUSTOMER) TO ENSURE THE STRUCTURE IS OF SUITABLE LOAD BEARING CAPACITY.**
- The system is infinitely extendable - dependent on how many bikes need to be stored and is only limited by available mounting structure.
- Rack Mount is suitable for internal mounting only.
- Rack Mount Component Materials: Powder Coated Mild Steel, BZP Steel, Rubber
- Rail and Hook Component Materials: Nylon, 6063 T6 Aluminium, BZP Steel, Powder Coated Steel.
- If you use wooden pallet boards, our standard Ceiling Mounted system can be used with some minor adaptations instead.
- Each SpaceRail Kit is suitable for up to 4 bikes, but an unlimited number of additional SpaceRail Kits can be added to increase bike storage capacity. Depending on the type and size of the bikes to be stored, the addition of a SpaceRail Extension Kit and another Rack Mount kit may be required to ensure suitable access.
- The suggested bikes per Rail, maximum loads and approximate total Rail length including end caps, is shown in the table below. There may be a minor variation in total rail length when joiners are used to connect rails.
- If you are unsure on how to fit 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	TOTAL LENGTH (OUTSIDE OF END CAPS)	MAX LOAD INDIVIDUAL RAIL (KG / LBS)	MAX TOTAL LOAD PER SYSTEM (KG / LBS)
1-4	1	114cm / 45"	100kg / 220lbs	100kg / 220lbs
5-8	2	228cm / 90"	100kg / 220lbs	200kg / 440lbs
9-12	3	342cm / 135"	100kg / 220lbs	300kg / 660lbs
13-16	4	456mm / 180"	100kg / 220lbs	400kg / 880lbs
17-20	5	570cm / 224"	100kg / 220lbs	500kg / 1100lbs
21-24	6	684cm / 269"	100kg / 220lbs	600kg / 1320lbs

25+

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



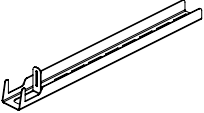
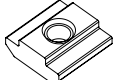
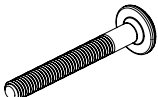
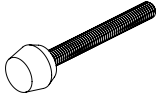
WARNINGS

Stashed Products does not take responsibility for the structure that the product is installed to. In using this product, the customer agrees to take all necessary measures to ensure the structure is suitable.

- It is essential to refer to the guides supplied by your racking manufacturers to determine the suitability and load bearing strength of your racking system.
- If Rack Mount is attached to racking that is also used for storage above the rail system, all weight needs to be accounted for in order to adhere to SpaceRail weight limits and health and safety protocol.
- The customer must also ensure that the load is applied evenly across the commercial racking beam length.
- 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 a second Rail to the first Rail without hanging support, even momentarily during installation.
- Ensure End Caps are secured correctly as these prevent hooks from running out of the Rail.
- Do not bump the End Caps with the Bike Hook during bike movement. They are not intended to absorb heavy impacts.
- SpaceRail is not suitable for shock loads. Gently place objects on to the Bike Hook.
- Not to be used by children or as a toy!
- When installing this product always wear the appropriate safety equipment when using power tools.
- Check bike is safe for use and all hanging adapters have been removed every time it is taken off the SpaceRail.
-  NEVER USE FOR HUMAN SUSPENSION!
-  WARNING: CANCER AND REPRODUCTIVE HARM.
SEE WWW.P65WARNINGS.CA.GOV



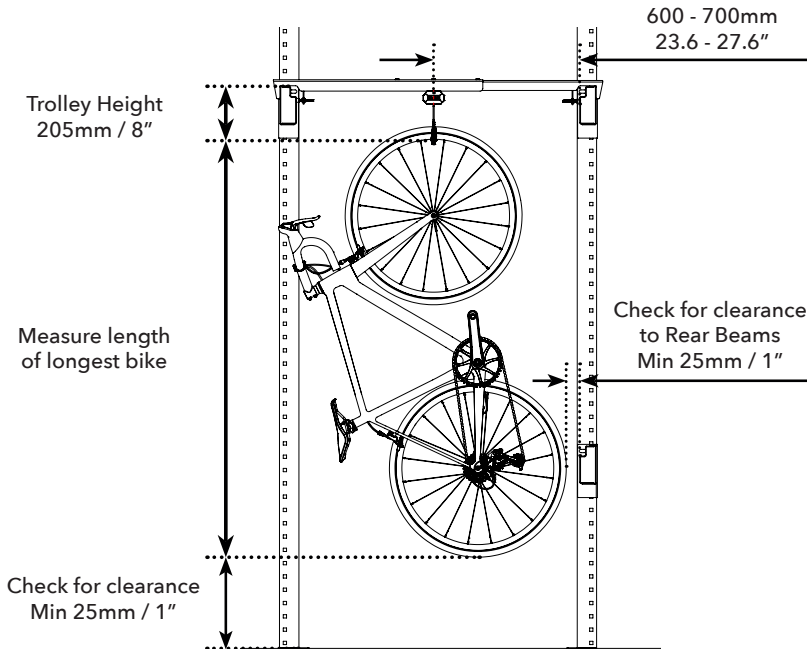
RACK MOUNT KIT PARTS

PART	IMAGE	QUANTITY
Rail Mount Beam - Inner		2
Rail Mount Beam - Outer		2
M6 T Nut		4
M6 x 16mm Connector Bolt		8
M6 x 50mm Connector Bolt		4
M6 Nyloc Nut		8
M6 Washer		16
M6 Adjustable Rubber Pressure Pads		4
M6 Half Nut		8



MOUNTING GUIDE

CHOOSE INSTALL POSITION AND MEASURE BIKES TO
CHECK HEIGHT AND DISTANCE FROM OBJECTS



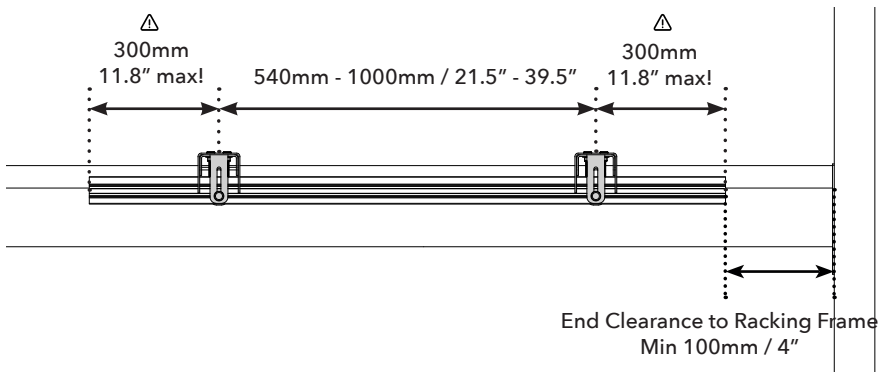
MOUNTING TO COMMERCIAL RACKING

- Ensure you have enough height to hang your bikes with the wheels off the floor. Look for the largest bike you are planning on storing and measure the length and depth.
- The Rail and Trolley requires 205mm of height allowance from the top face of the Racking Beams to the inside of the bikes front wheel rim, add this to your longest bikes' length, and an additional 25mm for ground clearance, and this is your guide racking height.
- The distance needed to mount your SpaceRail Kit away from any Racking Beams, depends on both the size of your bikes and if rotation is required once hung. As a general rule, the Rail should be mounted between 600 - 700mm / 23.6" - 27.6" away from rear walls or other objects to ensure bikes can spin and slide freely.
- For optimum Rail performance the bikes should not rest against the rear beams once hung up, although this is possible providing hooks are not misaligned in the rail.



RAIL ENDS

- To ensure the end bikes' handlebars do not clash with the Racking Framework, measure the bike from the centre of the stem to the end of the handlebars.
- Use this dimension to ensure your SpaceRail is far enough away from the framework to utilise the full length of the rail. We recommend that the outside of the handlebar of the end bike should be near to, but not touching Racking Frame.



TOOLS REQUIRED

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

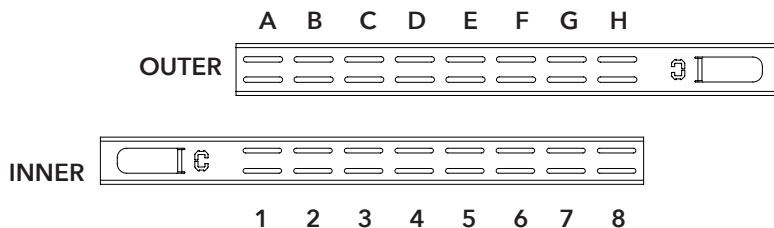
- 4mm hex key
- Spirit Level
- Tape Measure
- 10mm Spanner
- A helper*

* Not essential, but makes the installation easier and safer.

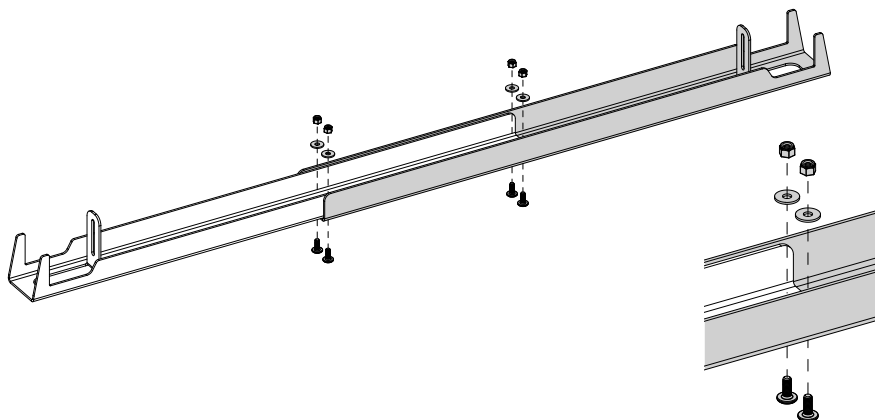


1 ASSEMBLE 2 X INNER AND OUTER RACK MOUNT BEAMS

- Using the chart below, assemble the inner and outer parts of the rack mount beams to suit the depth dimension of your racking.
- Place the M6 x 16mm Bolts into the slots from the top side, add an M6 Washer and thread on the M6 Nut from below. Do not tighten fully so the beams can still be adjusted.



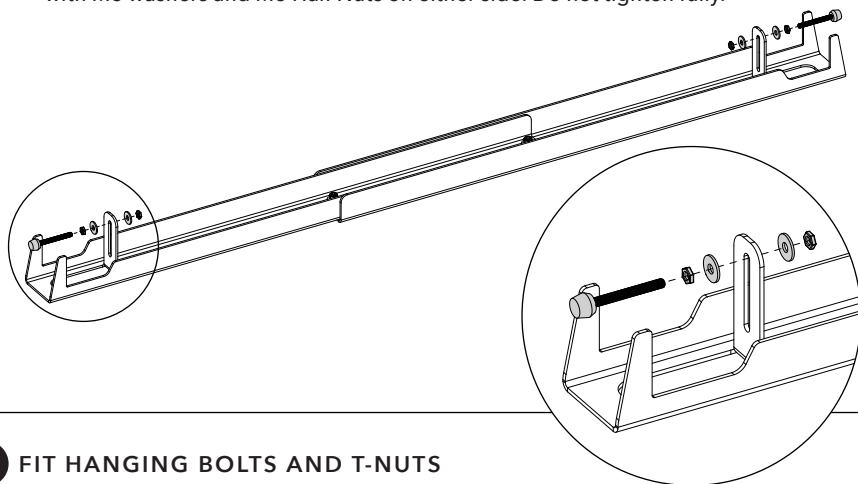
RACKING DEPTH		OUTER BEAM SLOT		INNER BEAM SLOT	
METRIC	IMPERIAL	SLOT 1	SLOT 2	SLOT1	SLOT 2
900mm		B	H	1	7
	36"	A	H	1	8
	42"	A	G	2	8
1,100mm		A	F	3	8
1,200mm		A	E	4	8
	48"	A	E	4	8
1250mm		A	D	5	8





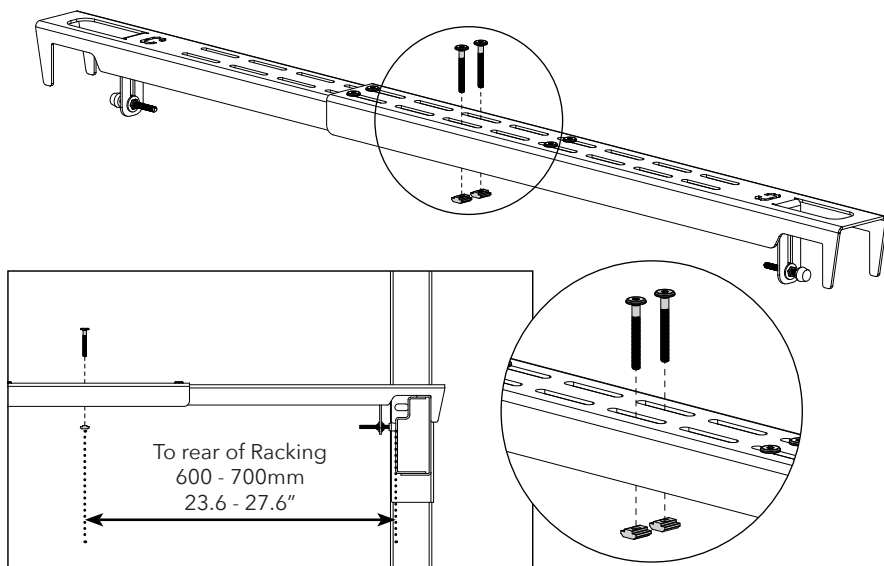
2 FIT ADJUSTABLE RUBBER PRESSURE PADS

- Insert the M6 threaded rubber pressure pads through the tabs in the rack mount rails with M6 washers and M6 Half Nuts on either side. Do not tighten fully.



3 FIT HANGING BOLTS AND T-NUTS

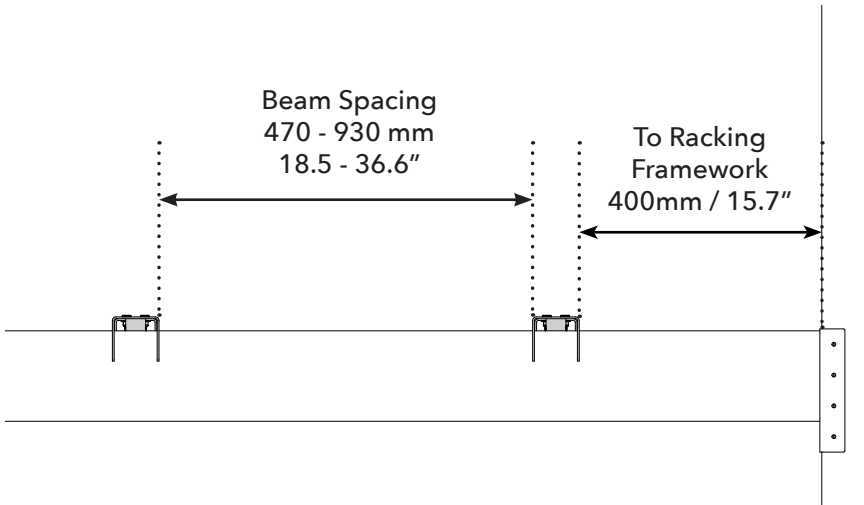
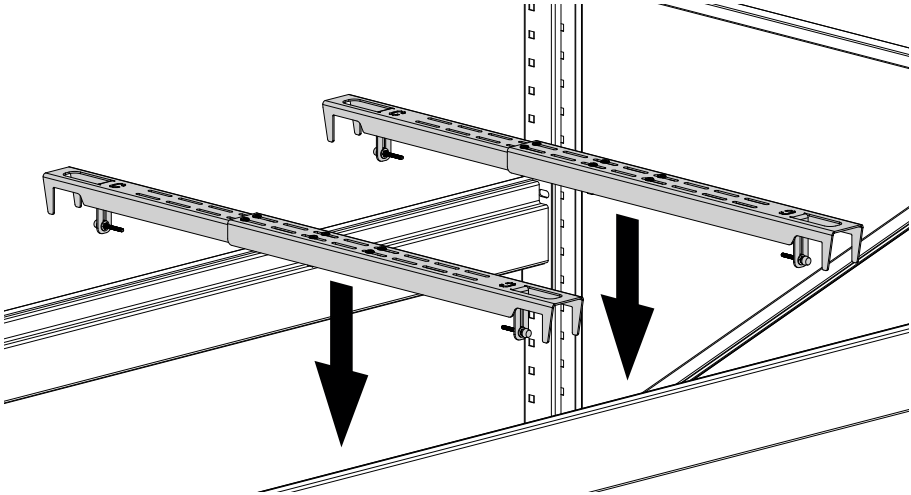
- Insert the M6 x 50mm Connector Bolts through the most central slots of both assembled rack mount beams and loosely screw the T-Nuts to the ends.





4 POSITION BEAMS ONTO RACKING

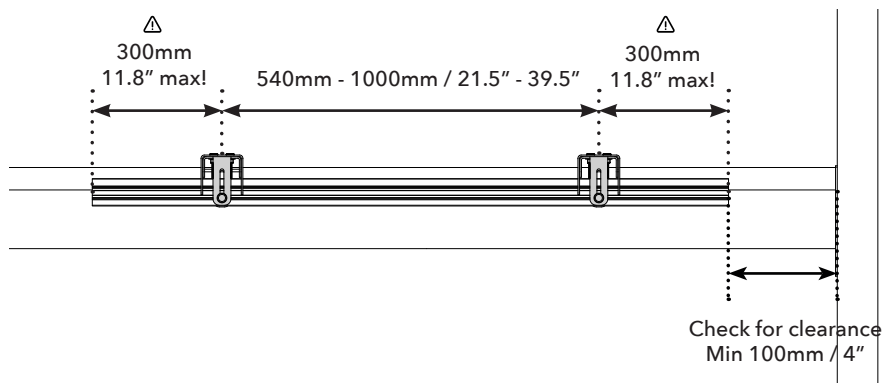
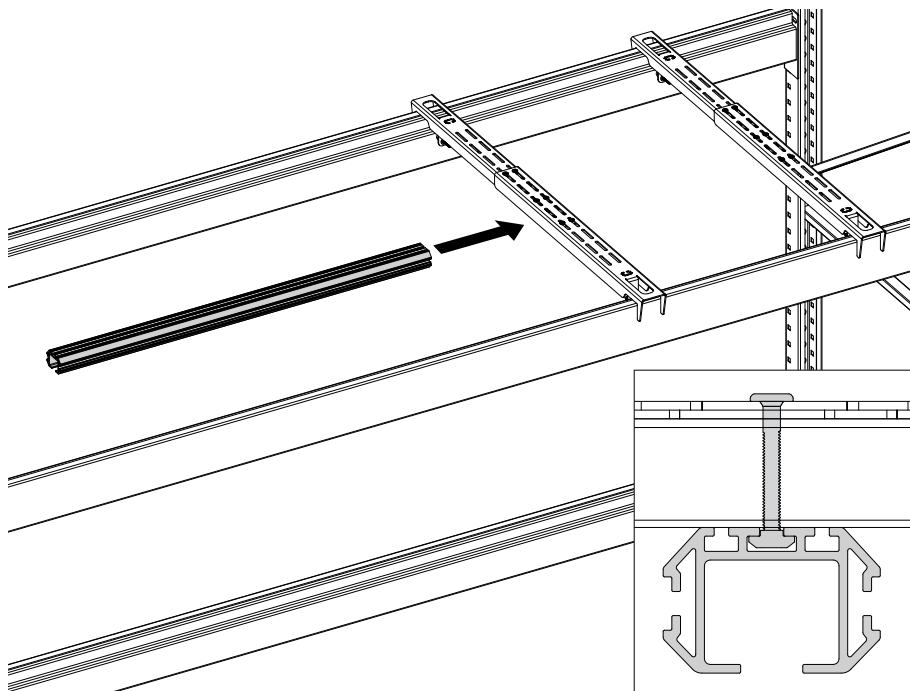
- Position the assembled Rack Mount Beams onto the Commercial Racking, allowing for handlebar clearance to the Racking Uprights.
- Ensure the Beams are level and aligned with the Racking, check using a spirit level. You may need to add shims or packing pieces under the Rack Mounts or adjust the racking itself to get correct alignment.





5 SLOT RAIL ONTO T-NUTS

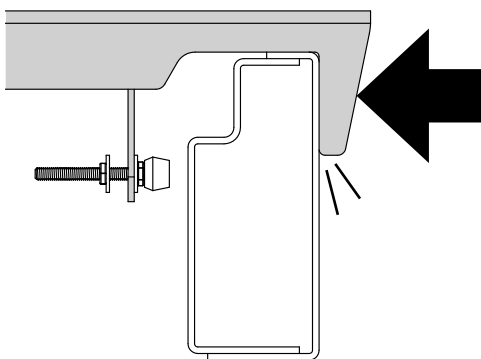
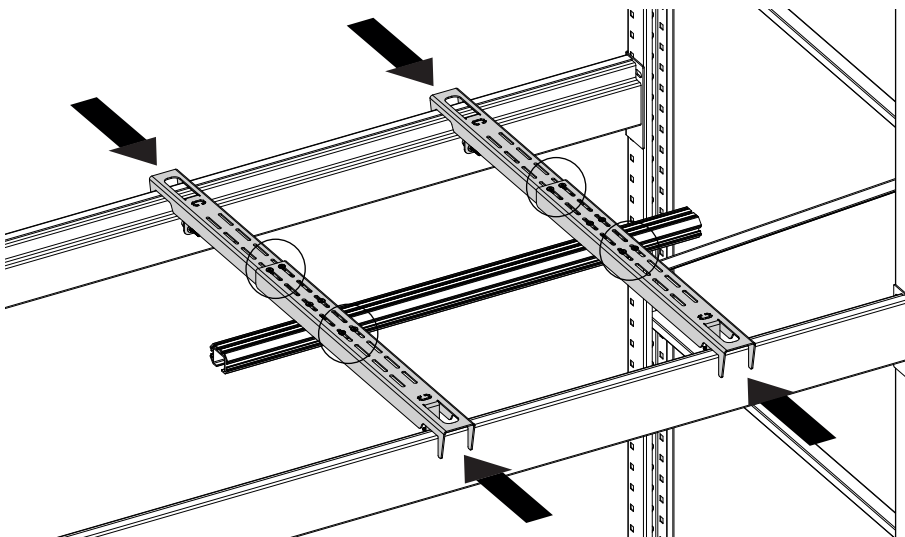
- Lift the Aluminium SpaceRail and allign the M6 T-Nuts into the central channel on the top, slide the rail along untill it is supported by all 4 T-Nuts . Do not tighten fully.





6 SECURE RACK MOUNT BEAMS

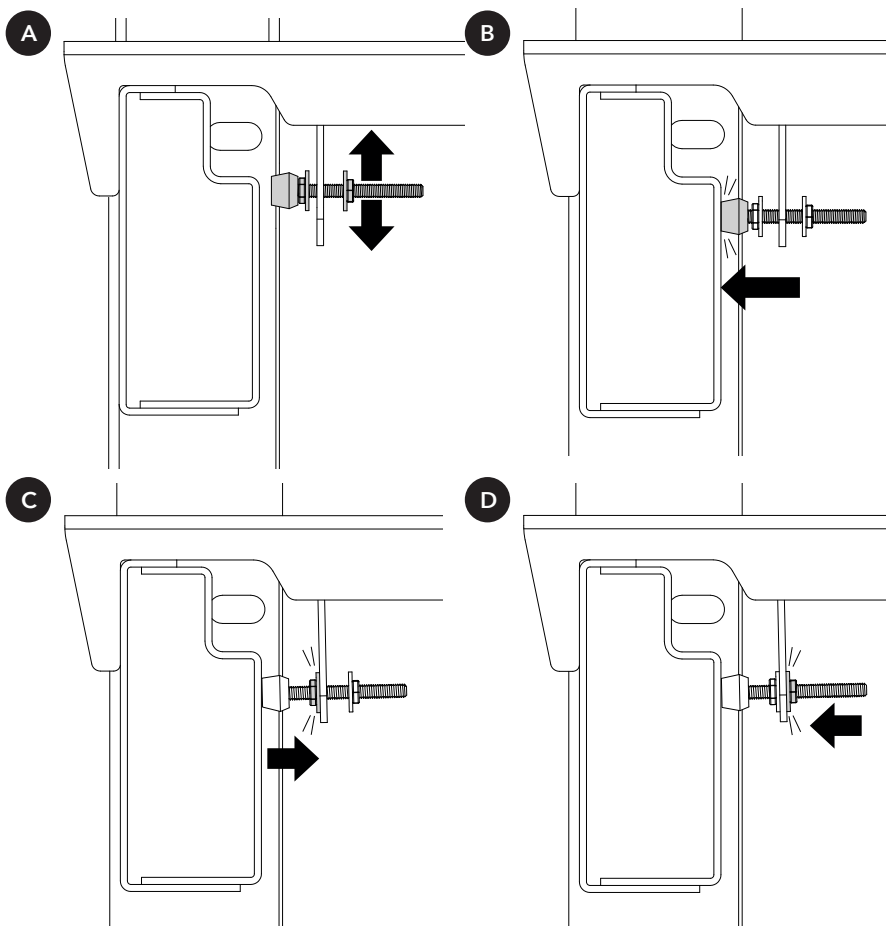
- Push the Rack Mount Beams together, so that they are tight up against the Commercial Racking frame at the front and rear.
- Ensure that the Rack Mount Beams are square and in-line, and level. You may need to use packers to achieve this.
- Tighten the 4 x M6 Connector Bolts on each Racking beam.





7 TIGHTEN THE RUBBER PRESSURE PADS

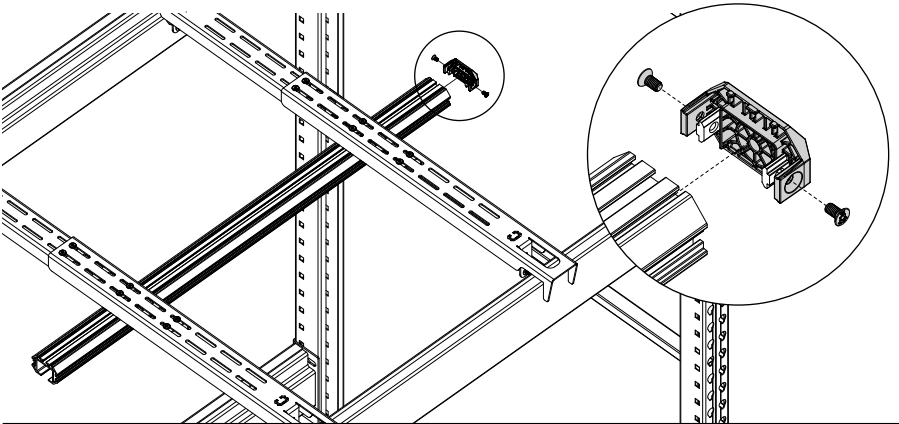
- A** Set the Height of the Rubber Pressure Pad to ensure that it meets the vertical face of the Commercial Racking.
 - B** Tighten the Rubber Pressure Pads up against the Racking
 - C** Tighten the Outer Half Nuts against the Rack Mount Tab.
 - D** Tighten the Inner Half Nuts against the Tab to secure the Rubber Pressure Pads
- Check and tighten all of the Connector Bolts on the Rack Mount.





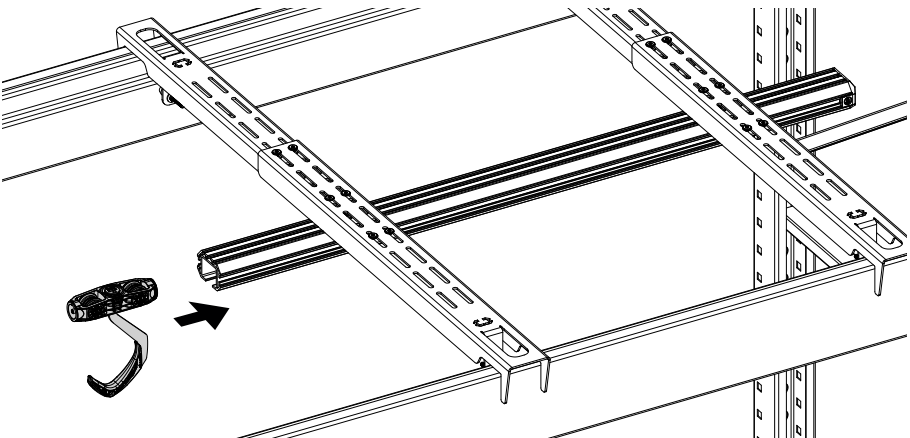
8 FIT END CAP

- Place the M6 x 12mm Countersunk Bolts through the Countersunk Holes in the sides of the End Cap and loosely screw to T-Nuts. Do not tighten fully.
- Slide End Cap onto the end of the SpaceRail.
- Tighten the M6 x 12mm Countersunk Bolts to secure the End Cap



9 INSERT HOOK TROLLEYS INTO RAIL

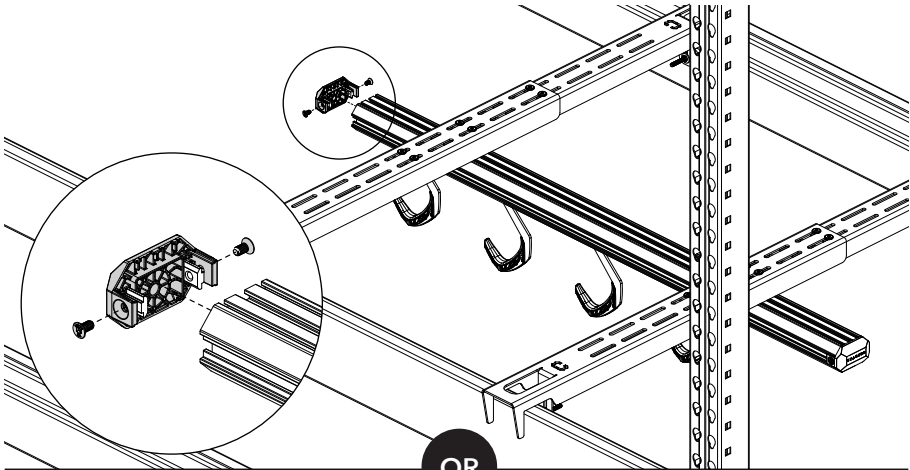
- Insert Trolleys into Rail (see [SPACERAIL HOOK INSTRUCTIONS](#) for further detail) and ensure they run freely and smoothly the whole length of the Rail.





10 A FIT END CAP

→ Repeat step 8 for the other End Cap

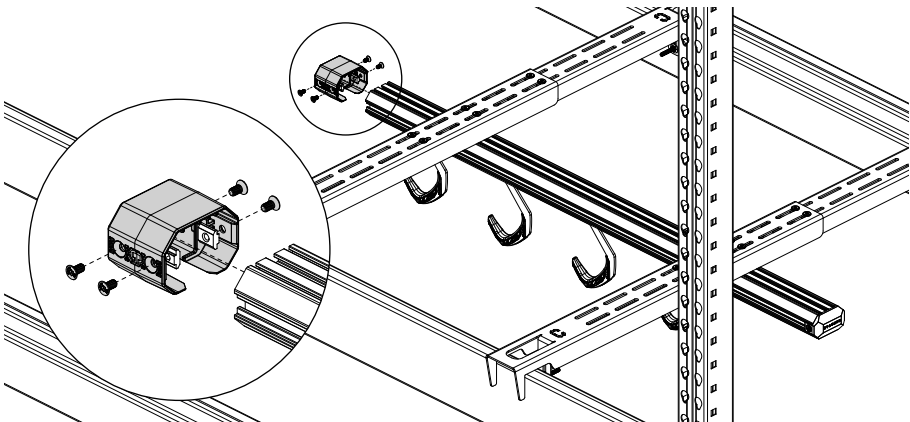


10 B FIT RAIL CONNECTOR FOR ADDITIONAL RAILS

→ Place the M6 x 12mm Countersunk Bolts through the Countersunk Holes in the sides of the Rail Connector and loosely screw to T-Nuts. Do not tighten fully.

→ Slide Rail Connector onto the end of the Space Rail.

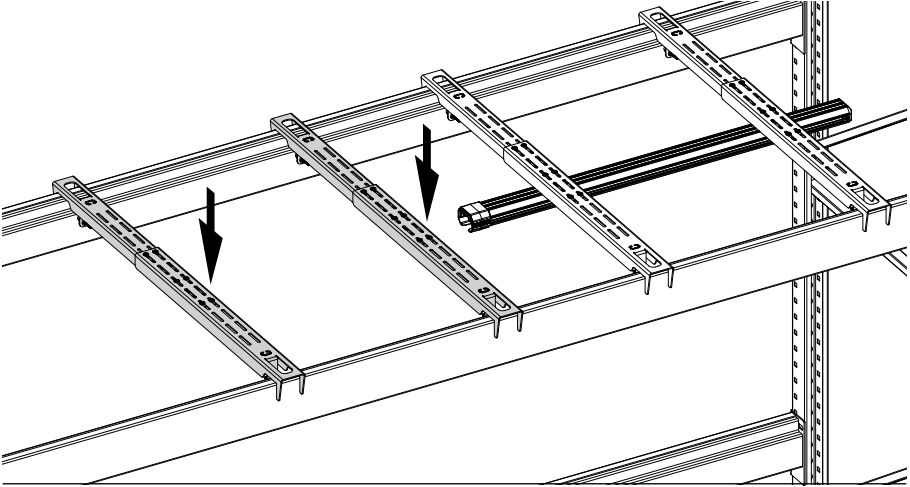
→ Tighten the M6 x 12mm Countersunk Bolts to secure the Rail Connector





11 ADD ADDITIONAL RACK MOUNT BEAMS

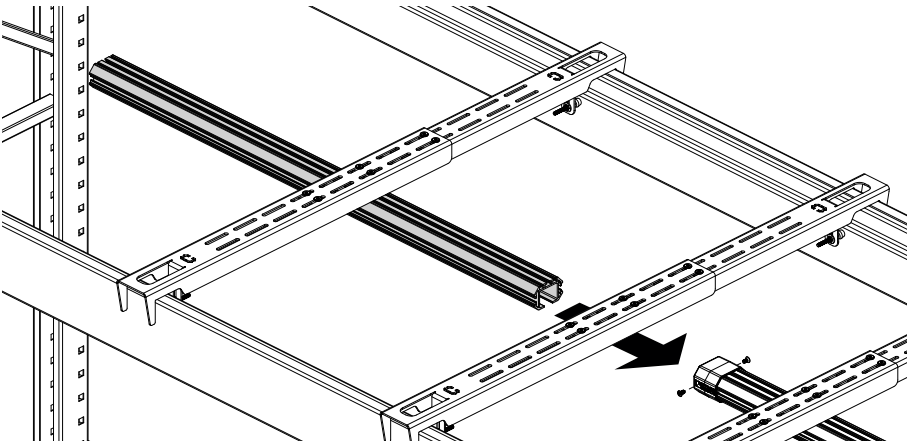
→ To add additional Rack Mount Beams repeat steps 1-4



12 ADD ADDITIONAL SPACERAIL

→ To add additional SpaceRail repeat steps 5-8

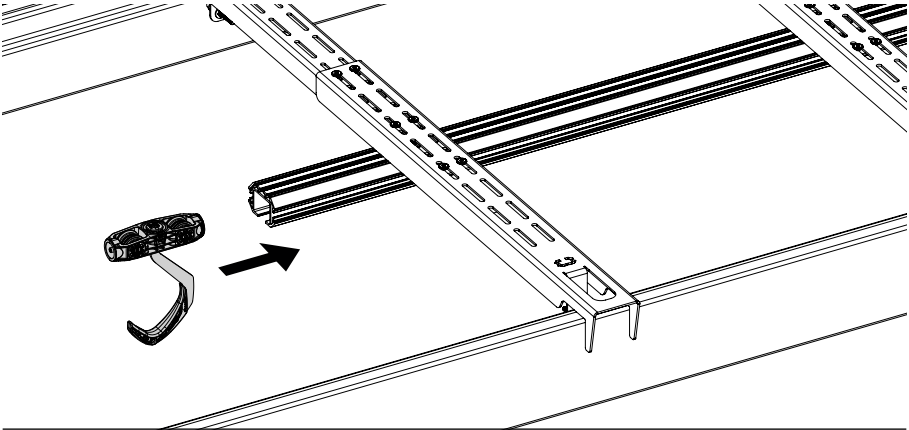
→ Ensure Rail is level, parallel with any surrounding objects and not bent, twisted or distorted from the installation process. Check using a spirit level. You may need to add shims or packing pieces under the Rack Mounts to get correct alignment.





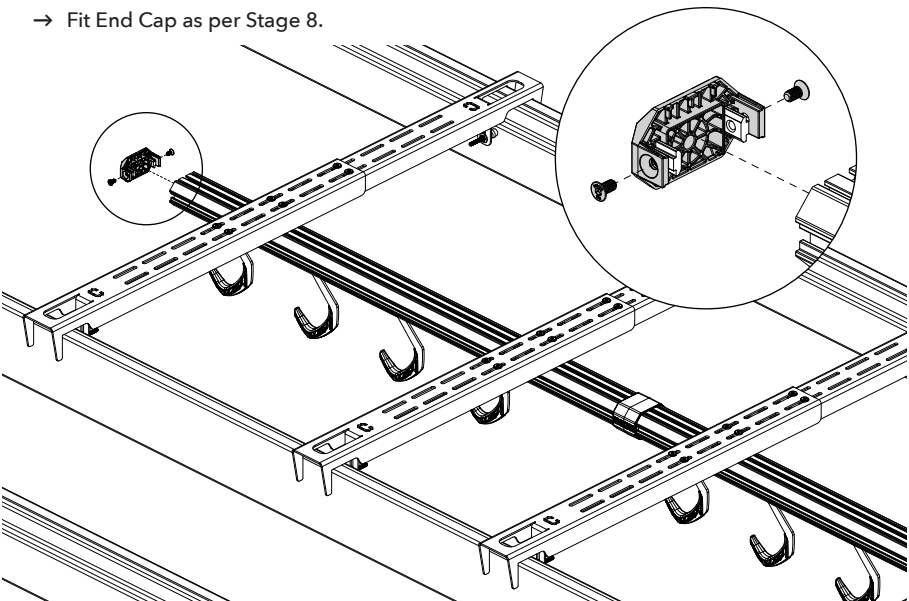
13 ADD ADDITIONAL HOOKS

→ Insert Hooks into the Rail (see [SPACERAIL HOOK INSTRUCTIONS](#) for further details) as per Stage 9.



14 FIT END CAP

→ Fit End Cap as per Stage 8.





FAQ

My Bike Hook keeps rolling on its own

- Check the level of your Rail. Adjust the racking with shims or packing components if necessary.

Can I shorten the Rail?

- Yes! You can cut the Rail to any length you require, but be sure to de-burr the ends well with a small file. We recommend using a power chop saw with blade suitable for aluminium. Do not attempt this with a hack saw.

My Trolley gets stuck in the joint

- Rails are not positioned or aligned correctly. Remove all bikes, adjust Rails and refit.

I cannot spin my bikes or access them easily

- Change bike order to improve access.
- Rail length is not long enough so add additional SpaceRail Extension Kit.

How many Rails can I join?

- The number of Rails 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 structure can support.

WARRANTY/RETURNS

All hardware are covered by a 2-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 Rail Kit is generally very low maintenance and should give years of use. Some basic maintenance tips:

- Ensure the Rail is kept clean and free from debris, this is especially important on the 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 mounting area and Rack.
- Apply grease to the bullet of the hook, being careful to avoid the top cap.
- Check all bolts and screws - 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

MADE IN WALES by STASHED PRODUCTS

Unit 6 Abermule Business Park,
Abermule, Powys, SY15 6FB, UK

www.stashedproducts.co.uk
sales@stashedproducts.co.uk

Tel +44 (0) 3301 334 836
WhatsApp +44 (0) 7575 032 418

Got a great install? Share it at

@STASHEDPRODUCTS

#LIFESTOREDBETTER

