

ULTRA SPACE SAVER SQUARED



Hip to be Square

Dero's Ultra Space Saver Squared offers high-security, vertical bike parking. Adjustable sliding arms make it easy for customers to best utilize their space. It also creates flexibility to make sure bike spacing follows city requirements as they evolve. Pipe-cutter resistant squared steel tubing makes the Ultra Space Saver Squared more secure than the original Ultra Space Saver.

Patent D774,441

PRODUCT & PRICING INFO CONTACT

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ULTRA SPACE SAVER SQUARED



- Modular design fits nearly any space
- U-lock compatible
- Easy assembly
- Double your capacity
- Square tubing for greater security
- Spacing between arms may be varied



FINISH OPTIONS

Powder Coat

White	Black	Light Gray RAL 7042	Deep Red RAL 3003	Yellow RAL 1023
CNH Bright Yellow	Orange RAL 2004	Blue RAL 5005	Sky Blue RAL 5015	Hunter Green RAL 6005
Light Green RAL 6018	Green RAL 6016	Sepia Brown RAL 8014	Bronze	Silver 9007
Dark Purple	Flat Black	Wine Red RAL 3005	Beige RAL 1001	Iron Gray 7011

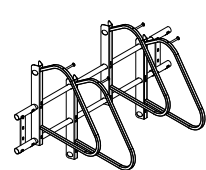
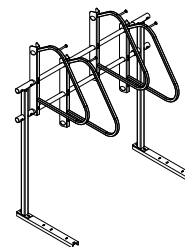
Galvanized



MOUNT OPTIONS

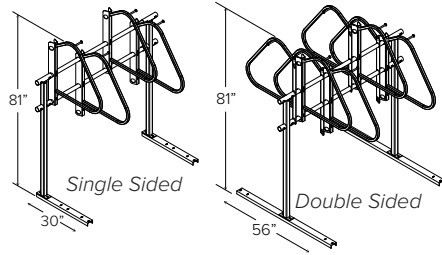
Floor

Wall



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Submittal Sheet

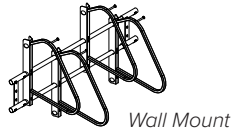


CAPACITY

Modular construction
1 biker per arm

MATERIALS

Hanger is 1" square tube with steel slider head with tamperproof locking bolts.
Upright is 2" square tube.
Feet are AISI C3 x 4.1 galvanized steel channel. Crossbeams are 2" sched. 40 galvanized pipe.



FINISHES



Powder Coat (Interior Use)

Our interior powder coat finish assures a high level of adhesion and durability for indoor use by following these steps:

1. Sandblast
2. Final thick TGIC polyester powder coat



Powder Coat (Exterior Use) Additional Cost

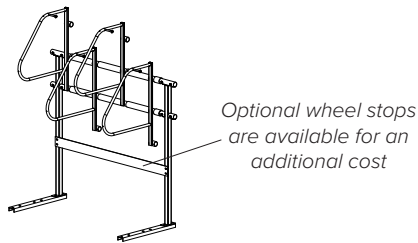
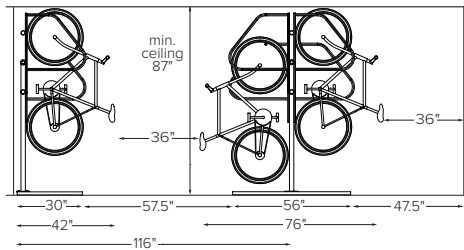
Our exterior powder coat finish assures a high level of adhesion and durability for outdoor or exposed air use by following these steps:

1. Sandblast
2. Epoxy primer electrostatically applied
3. Final thick TGIC polyester powder coat



Galvanized

An after fabrication hot-dipped galvanized finish is our standard option.



MOUNT OPTIONS



Floor Mount Ultra Space Saver Squared have steel channel feet (30" for single sided and 56" for double sided units) which must be anchored to the floor.



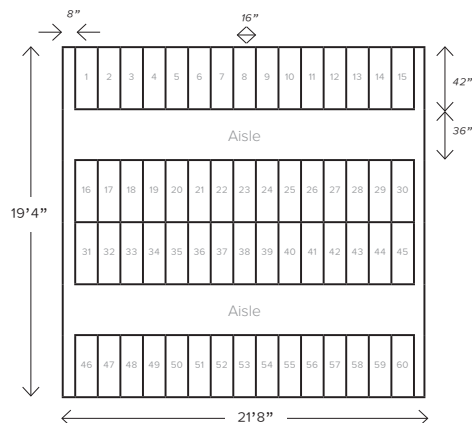
Wall Mount

A wall mounted unit which contains special brackets is also available for CMU or solid concrete walls. Cannot be used on sheetrock without additional support.

WHEEL STOPS



Include optional wheel stops



As a general guideline, this space can fit approximately 60 bicycles.

The Ultra Space Saver Squared parks one bike every 16" with a typical bike extending out 40" from the wall.

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Installation Instructions

The Ultra Space Saver Squared has several steps for installation. Note that the single and double sided setups and parts are different. Make sure you follow the instructions according to the model you ordered.

Recommended Base Materials:

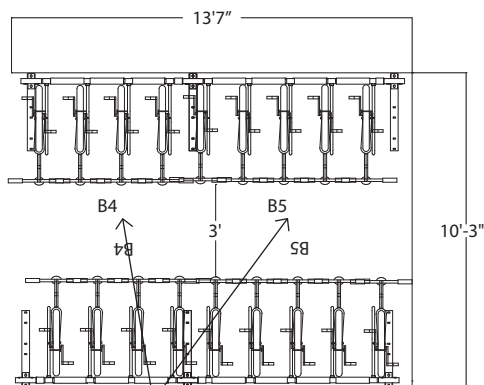
Solid concrete is the best base material for installation. Make sure nothing is underneath the base material that could be damaged by drilling (i.e. post-tension cable). Use the 3.75" wedge anchors that are included to install the rack into the concrete (wall anchors are 3").

Installation:

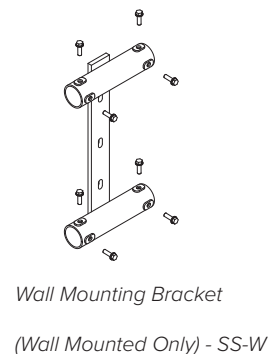
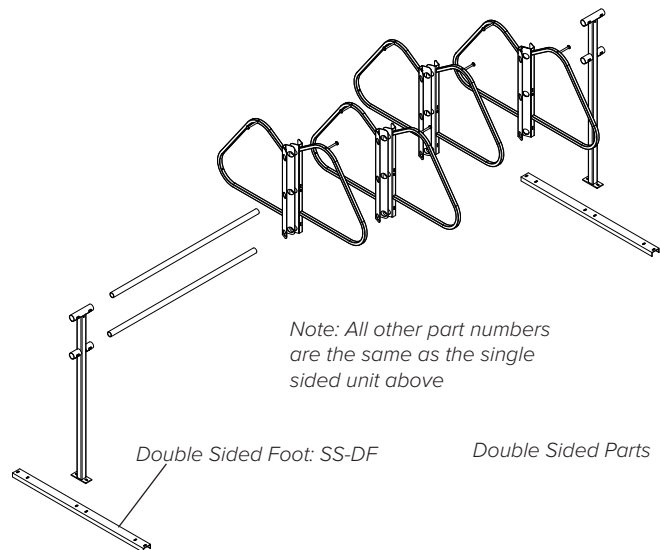
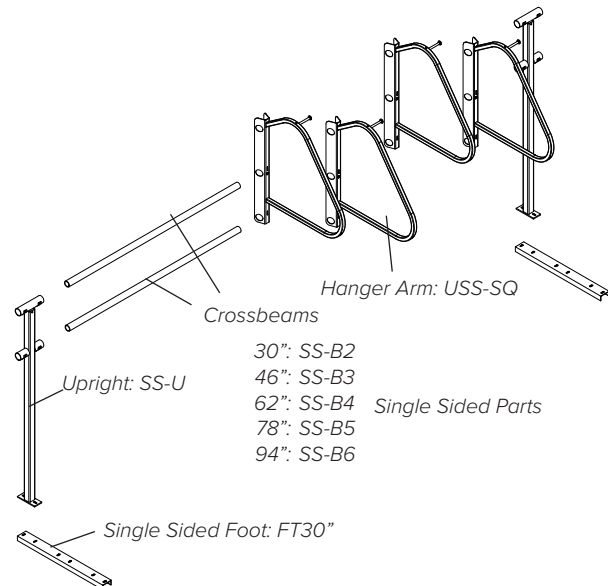
Sort out the parts to the rack and identify each of them accordingly. The 1" carriage bolts are for assembly of the rack and the 3.75" wedge anchors are for mounting the rack to the floor.

Reading your Dero designed layout

Ultra Space Saver Squared come in varying configurations, making it **very important** that you carefully follow the layout provided by Dero when installing the racks. If you do not follow the diagram, you may well end up short of parts. The length of each Ultra Space Saver Squared unit is indicated by a number ranging from B2-B7 in the layout. This number corresponds to the length of crossbeams to be installed. In the example provided below the Ultra Space Saver Squared is to be installed starting with two B4 units, which have 62" crossbeams, followed by a B5, which has 78" crossbeams.



These numbers indicate the number of arms between brackets for each Ultra Space Saver Squared unit to be installed.



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Installation Instructions – Wall Mount

TOOLS NEEDED

9/16" Wrench/Socket
3/8" or 1/2" Masonry Drill Bit
(Depending on anchor type)
Tape Measure
Drill (Hammer drill recommended)
Hammer
Level
Marker or pencil
Pin-in-hex tool (provided)

NOTE

Before installing make sure the wall is strong enough to accommodate the rack fully loaded with bikes. Steel stud walls are not suitable for installation

1

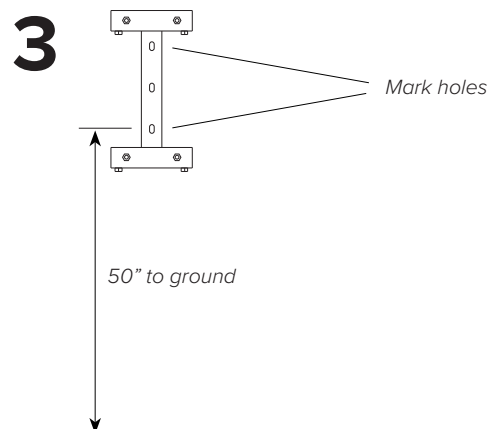
Lay out parts on the floor where unit is to be installed and be sure you have all necessary parts.

2



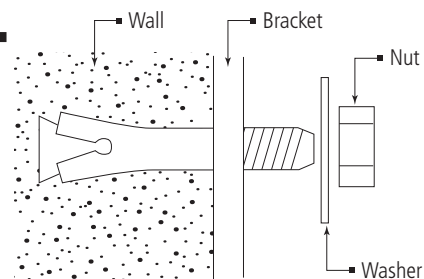
On cross beams, Place a mark three inches from each end. This mark will show you how far to slide the cross beam into the wall bracket.

3



Place first wall bracket on wall where you want to install the bike rack. The lowest hole of bracket should be 50" from the ground. Mark holes for drilling.

4

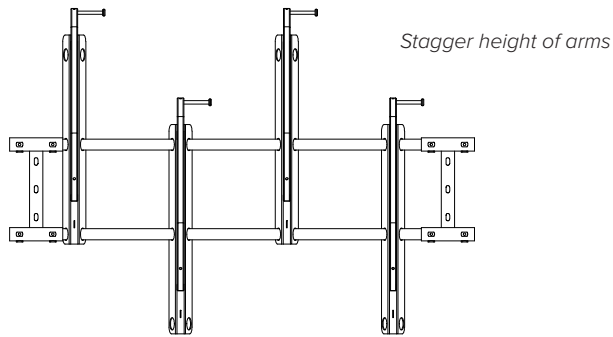


Drill Holes into wall, put the wall bracket back up and insert wall anchors through holes in bracket and set the anchors. For setting the anchors and diameter and depth of holes, follow instructions sent with the anchors. Make sure bracket is level.

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Installation Instructions – Wall Mount

5



Thread 3/8" by 3/4" tightening bolts into holes in bracket. Insert crossbeams into bracket. Slide on arms and make sure arms are staggered. Secure the arms with the set screws 16" apart on-center. Install end bracket, making sure cross beams are level.

6

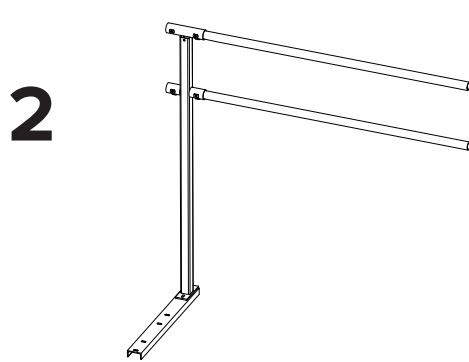
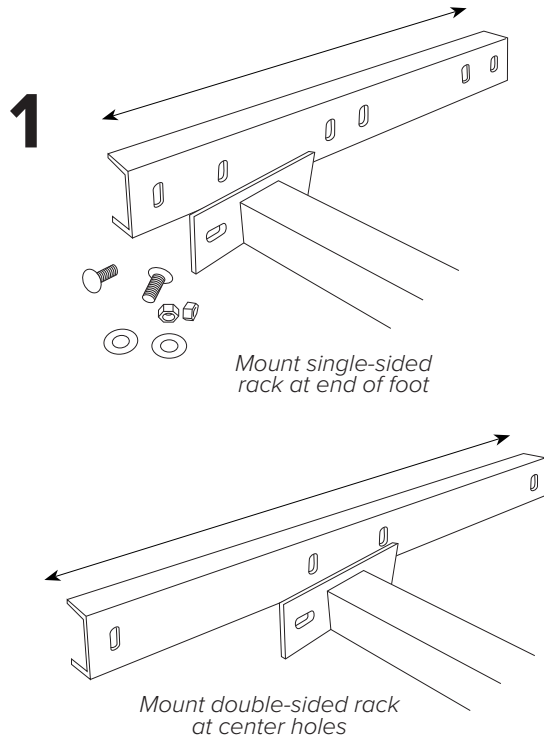
If installing more than one set of Ultra Space Saver Squared arms, continue from last installed wall bracket and repeat steps 3-5 above.

ULTRA SPACE SAVER SQUARED

Installation Instructions – Floor Mount

TOOLS NEEDED

9/16" Wrench/Socket
3/8" Masonry Drill Bit
Tape Measure
Drill (Hammer drill recommended)
Hammer



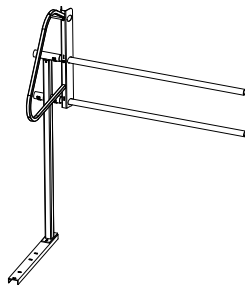
Place crossbeams into brackets. Finger-tighten bolts to hold crossbeams loosely in place.

Measure out space. Attach feet to uprights with carriage bolts provided.

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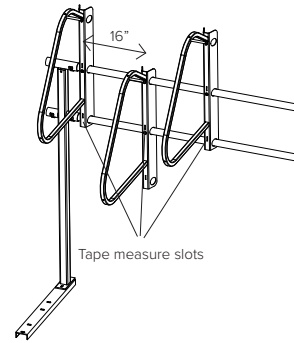
Installation Instructions – Floor Mount

2



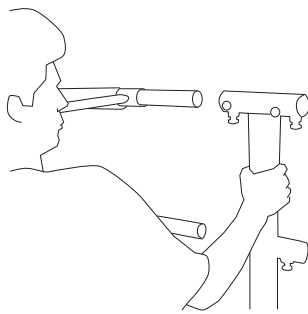
Carefully slide first hanger arm onto crossbeams. For single-sided racks leave a 3" space between the hanger arm and mounting bracket. Tighten set screw to hold hanger arm in place.

3



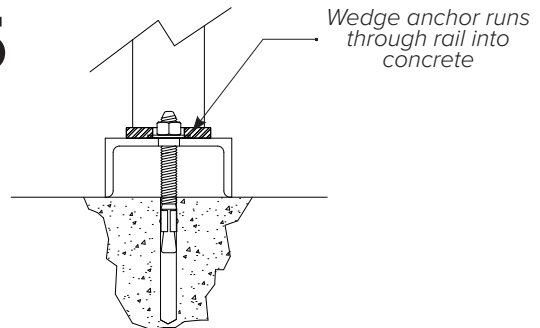
Gently slide on remaining arms making sure to stagger height of each arm and tighten each set screw. Standard spacing between arms is 16". For double sided model slide arms on opposite each other. Repeat until the crossbeams are full.

4

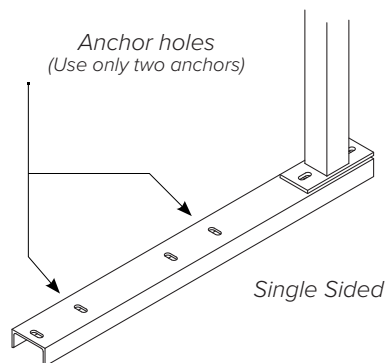


Attach the second upright. Tighten bolts to secure crossbeams in brackets. For add-on units repeat steps.

5



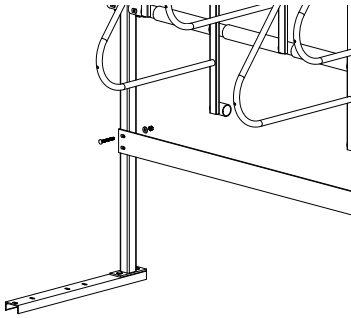
Anchor rack to floor with 3.75" wedge anchors.



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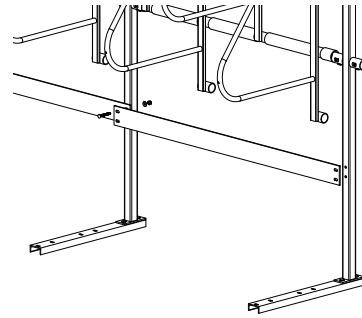
Installation Instructions – Tire Stop (Optional)

1

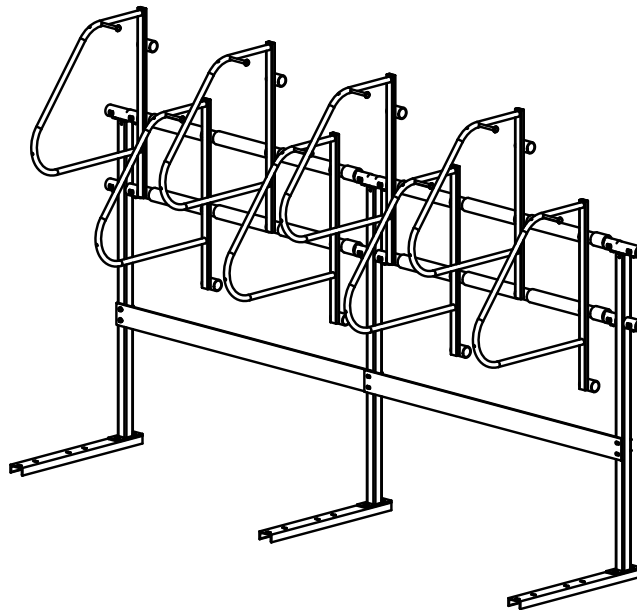


Attach tire stop to uprights with supplied hardware

2



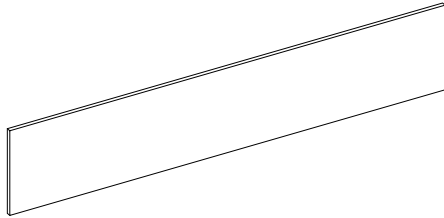
Continue attaching tire stops if using a modular system



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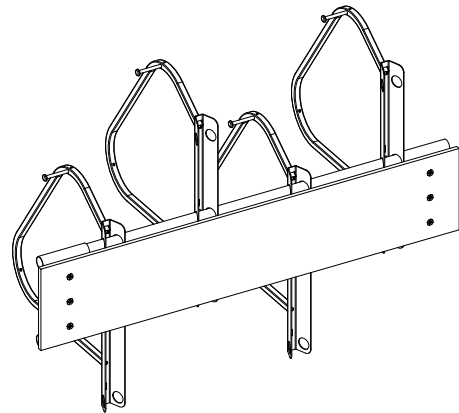
Installation - Metal Stud Wall

1



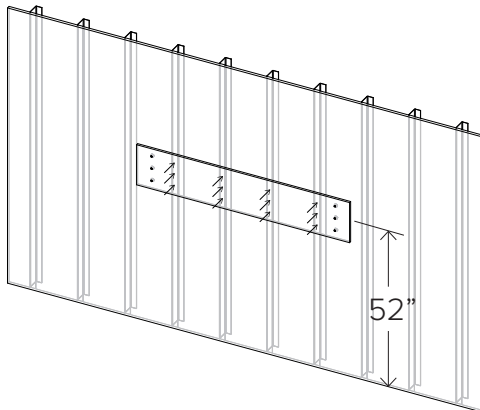
Use $\frac{3}{4}$ " x 16" board as a substrate to mount the racks. White Melamine board works well.

2



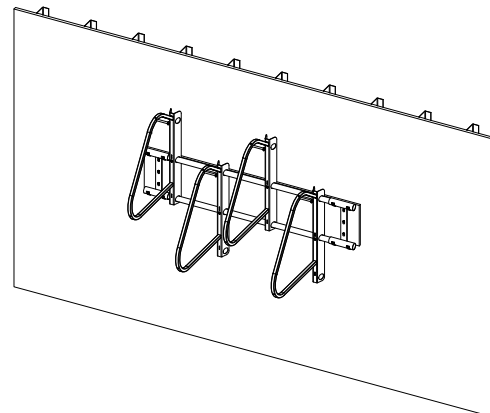
Lay out the wall mounting brackets on the board and mark the (3) holes per bracket on the board. Drill at marks with a $\frac{1}{2}$ " drill and press $\frac{3}{8}$ "-16 Tee Nuts in the back of the board.

3



Place the board on the wall and attach with (3) $\frac{3}{16}$ " x 3" self-drilling screws at each metal stud. The center of the board should be 52" from the ground. 4" wood screws may be used for wood studs.

4



Attach the USS racks to the board with (3) $\frac{3}{8}$ "-16 x 1" bolts and washers at each wall mounting bracket.



Dero is not responsible for verifying installation surface and location. Installer assumes all liability for secure installation.