Double Capacity, Modular Construction

The Ultra Space Saver provides easy and ample space for u-lock security on nearly any bike, including bikes with fenders. Thanks to design enhancements, the double-sided Ultra Space Saver parks more than double the capacity of a standard bike rack. The Ultra Space Saver is an easy to install, modular system. It can be made to fit in nearly any space. Options include: wall-mount, floor-mount, and double-sided.
ULTRA SPACE SAVER

- Modular design fits nearly any space
- U-lock compatible
- Easy assembly
- Double your capacity

FINISH OPTIONS

- Powder Coat
- Galvanized

MOUNT OPTIONS

- Floor
- Wall

*Shown with optional tire stop

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**ULTRA SPACE SAVER**

**Submittal Sheet**

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### CAPACITY

- Modular construction
- 1 Bike per arm

### MATERIALS

- **Hanger**: 1” diameter tube with 1/2” steel rod and retaining disk at each end.
- **Upright**: 2” square tube.
- **Feet**: AISI C3 x 41 galvanized steel channel.
- **Crossbeams**: 1.25” sched. 40 galvanized pipe (1.660” OD)
- **Spacers**: 2.375” OD plastic tubes with .218” wall thickness.

### FINISHES

- **Black powder coat**
- **Cross bars**: hot dipped galvanized
- **Hanger rods**: rubber coated
- **Spacers**: plastic

### MOUNT OPTIONS

- **Floor Mount**: Optional tire catches for rear wheels
- **Wall Mount**: Ultra Space Savers have steel channel feet (30” for single sided and 56” for double sided units) which must be anchored to the floor. A wall mounted unit which contains special brackets is also available.

### SETBACKS

- **As a general rule of thumb, this space can fit approximately 60 bicycles.**

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**Estimating Your Bike Capacity**

Estimating the maximum number of bikes you can park using an Ultra Space Saver in a typical rectangular space is usually fairly straightforward.

The Ultra Space Saver parks one bike every 16” with a typical bike extending out 40” from the wall. Leave a 36” aisle between rows. Add an 8” buffer on each end of a run to allow enough space for handlebars.

If you have a large space, you may be able to fit in double rows of Ultra Space Savers.

Let us Help! As a free service, Dero will provide a complete CAD layout of your space. Just send us the dimensions of your room, being sure to note the location of doors, columns, etc. and let us maximize your bike storage capacity.
ULTRA SPACE SAVER
Installation Instructions

The Ultra Space Saver 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 Savers 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 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 is to be installed starting with two B4 units, which have 44" crossbeams, followed by a B5, which has 76" crossbeams.

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

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 galvanized 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

Mark holes

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.
Thread 3/8” by 3/4” tightening bolts into holes in bracket. Insert crossbeams into bracket. Slide on arms and spacers, make sure arms are staggered. At end of last arm place 3” spacers and install end bracket, making sure cross beams are level.

If installing more than one set of Ultra Space Saver arms, continue from last installed wall bracket and repeat steps 3-5 above.
ULTRA SPACE SAVER
Installation Instructions – Floor Mount

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

1
Mount single-sided rack at end of foot
Mount double-sided rack at center holes

Measure out space. Attach feet to uprights with carriage bolts provided.
Lay assembled uprights with crossbeams attached on their side so crossbeams are facing up. Slide first hanger arm on. Then slide the plastic spacers on.

Slide next arm on but make sure to stagger height of each arm so that the hanger rod is at a different level from its neighboring arms. For double sided model slide arms on opposite each other. Repeat until the crossbeams are full. For single-sided installs place 3" spacer at end (part# SS-Spacer-3")
ULTRA SPACE SAVER
Installation Instructions – Floor Mount

4
Tip rack up and attach the second upright. Tighten bolts. Slide assembled rack into final location. For add-on units repeat steps.

5
Anchor rack to floor with 3.75” wedge anchors.
ULTRA SPACE SAVER

Shortening the Ultra Space Saver to Fit a Space

TOOLS NEEDED

Saw for cutting PVC pipe (such as a SkilSaw)
Saw for cutting metal pipe
Tape Measure

You may find it necessary to field fit an Ultra Space Saver. The following instructions describe this process.

120” (Space to Fit)

127” (Standard Size)

Need gap at one end

Amount to cut

The Space Saver crossbeams come in increments of 16”. Cut your crossbeams down in increments of 16” to get the appropriate fit. For example. If you ordered a length of 12 Space Savers (127” long) but you only have 120” of space as shown in this diagram, but the crossbeams down 16”. This will eliminate one arm from the system. If you only have 108” of available space, you will need to cut 32” from your system and will lose two arms.

If the system you ordered barely doesn’t fit (less than 3” too large), you CAN eliminate the 3” end spacers and cut down the crossbeams by 3”. You will NOT lose an arm by doing this.
ULTRA SPACE SAVER
Installation Instructions – Tire Stop (optional)

1. Attach tire stop to uprights with supplied hardware
2. Continue attaching tire stops if using a modular system