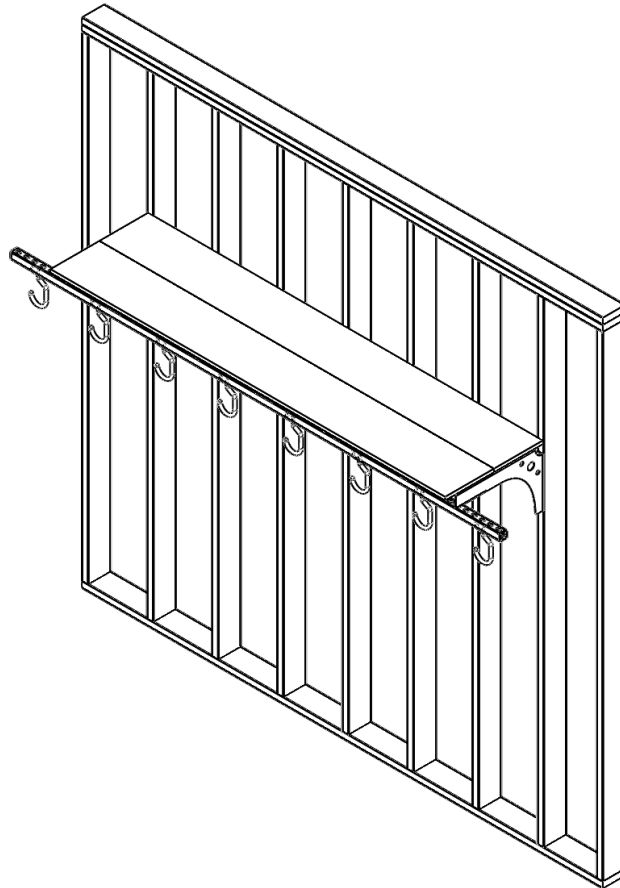


## Wall Mount Bracket Installation Instructions

Dear Customer:



Thank you for ordering these high quality wall mount brackets for your Unistrut sliding bike rack. These wall mounts are designed to mount to wooden wall studs using 5/16" x 3" lag screws and washers. The brackets are supplied in pairs and make mounting your sliding bike rack to the wall a breeze!



\*Strut channel, stopper, 5/16x3" lag screws, #8 screws, shelf boards, and sliding hooks sold separately.

\*\***Warning:** Capacity may be reduced due to wall material and fastener choice.

### Features and Benefits:

- 21.5" x 14" Steel wall mount bracket sold as right and left hand pairs
- Load rating 300lbs\*\* - per - pair (bikes + shelving and weight on shelf)
- Three (3) strut mounting positions from wall: 20.6", 17.9", 15.1"
- Top rail for top mounted shelf board with holes for #10 self tapping screws
- Made from 0.119" Cold Rolled Steel Sheet
- Powder coated "Silver Hammer-Tone" to protect from rust
- Low profile mounting hardware included (M8 x 1.25 x 22mm with Lock Nut and 2 x washers)

## Wall Mount Bracket Installation Instructions

### Required tools and parts provided by user:

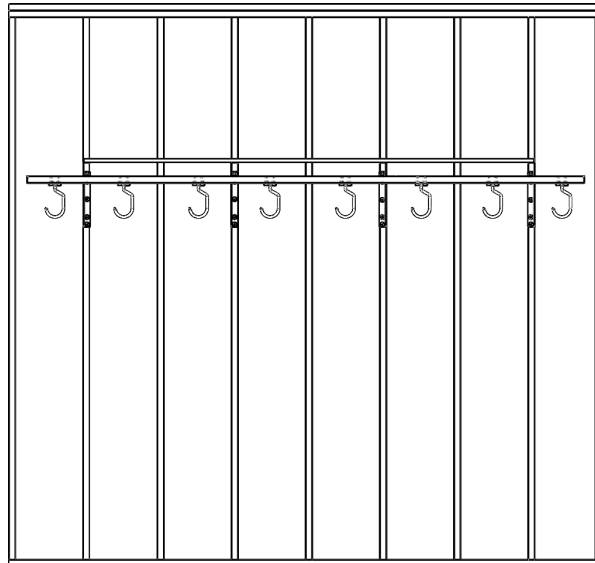
- Five 5/16"x3" lag screws (recommended) per bracket
- Five 5/16x1" washers (recommended) per bracket
- Stud finder, Level, Tape Measure
- Corded or Cordless drill with bit driver
- 5mm Allen Key
- Ratchet and 13mm socket, 1/4" socket
- 3/16" Drill bit
- Hammer and small nail
- Pencil
- Optional: Torque Wrench

### Notice:

Installers should be experienced with tools and techniques for basic mounting of fixtures and items to ceilings and walls. If in doubt hire an experienced installer.

### Installation:

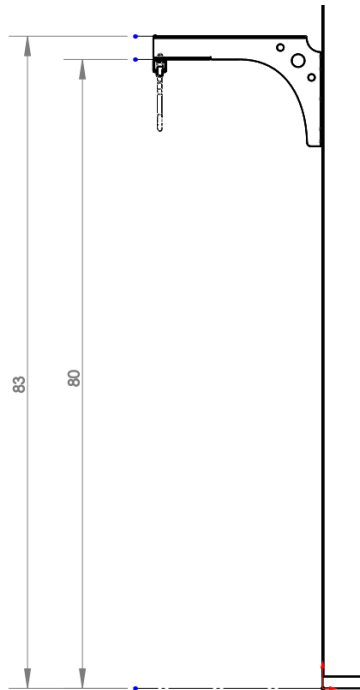
1. Plan your installation
  - a. Span: How many bikes?
    - i. **Recommendation:** 1 bike per 12in.
    - ii. **Examples:** 10ft span = 10 bikes, 5ft span = 5 bikes, 4ft span = 4 bikes.
  - b. Wall Distance: 3 positions. All will result in a wheel resting against the wall!
  - c. How many brackets:
    - i. **Max distance between brackets (span):** 48"
    - ii. **Recommendation:** For the following distance between brackets
      1. 48"-2 Brackets, 64"-3 brackets, 96"-4 brackets,
    - iii. **Example:** Wall having 16" stud spacing and a 10 ft strut channel with 8 hooks, 96" span = 4 Brackets



iv.

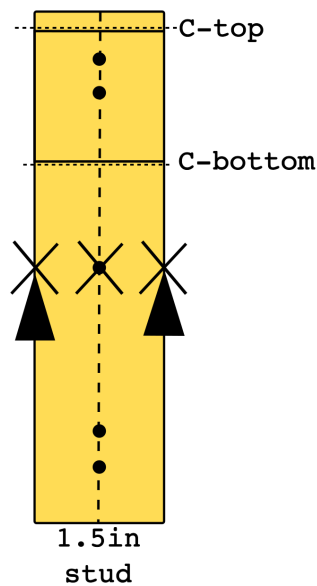
## Wall Mount Bracket Installation Instructions

- Users should first identify height off the ground. (A starting point may be 79-81 in. from bottom of "C", or 82-84 in. from top of "C") Some longer cross-country and downhill mountain bikes may need more than 87" from top of "C".



**CAUTION:** These dimensions are a starting point adjusted based on your bikes and situation!

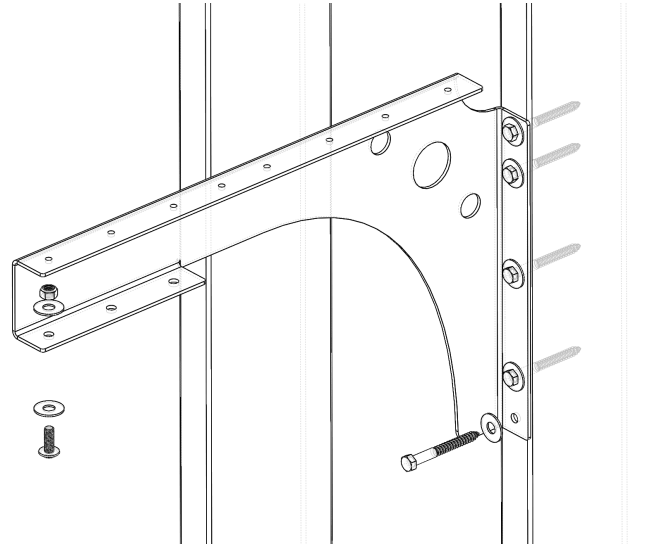
- Using a stud finder to find studs on the wall with drywall, plaster or paneling.
  - Use a stud finder to find both right and left edges of each stud. Mark edges with a pencil and finally mark the center.



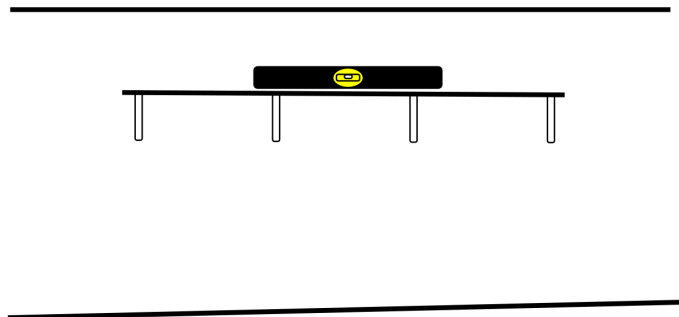
- IMPORTANT:** Use a small nail or pin to probe the location just marked. Use the hammer to drive the nail into the drywall partially. The nail or pin should hit solid wood. If **not**, repeat the process until solid wood is found. Remove the nail or pin when finished.
- Use the level to draw a vertical center line through the hole.

### Wall Mount Bracket Installation Instructions

- e. Use one of the brackets to transfer the hole dimensions to the wall. Keep in mind the height of the C-top and C-bottom dimensions to achieve the desired height off the ground.
  - f. **IMPORTANT:** Probe all holes locations with a hammer and nail or pin. All hole locations should be located onto solid wood.
4. Mount left or right most bracket to the wall first!
- a. **Important a pilot hole is required:** Using **3/16"** Drill bit, drill a 3" deep pilot hole through each hole location. Take care to drill pilot holes at right angles to the wall. Failure to do so could result in damage to the stud and reduced mounting strength.
  - b. Mount brackets with "C" facing inward towards each other.
  - c. Holding the bracket against the wall start the first lag screw and washer into the top most hole.
  - d. Install all five 5/16-3" lag screws and washers into piloted holes.



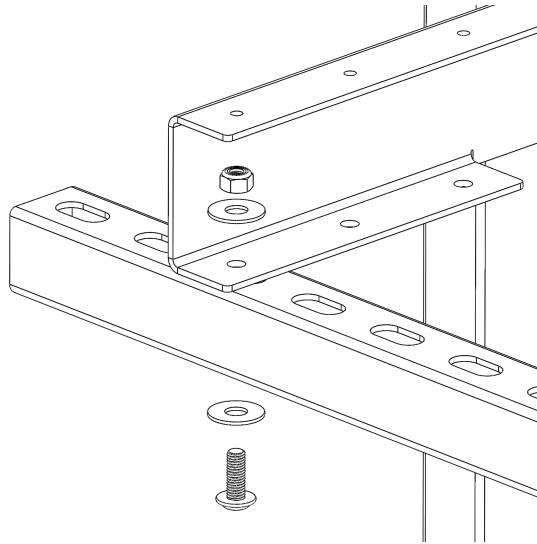
- f. Important: Lag screws should be flush with bracket and pull bracket tightly against the wall.
  - g. **Recommended:** Torque each lag screw to **15 ft-lbs**. Check torque again on all fasteners after 1 week.
5. Mount remaining brackets and level
- a. **IMPORTANT:** Leveling the strut is required to prevent bikes from sliding to one side.
  - b. **CAUTION:** Do not assume height to floor or ceiling for each span are the same. There may be a slight grade which causes the floor or ceiling to vary along the grade. Use a level to set the locations of the remaining brackets!
  - c. **Trick:** Use your strut channel as a beam to lay across the top of the brackets to use as a guide for leveling. It may be easier with 2 people!



d.

## Wall Mount Bracket Installation Instructions

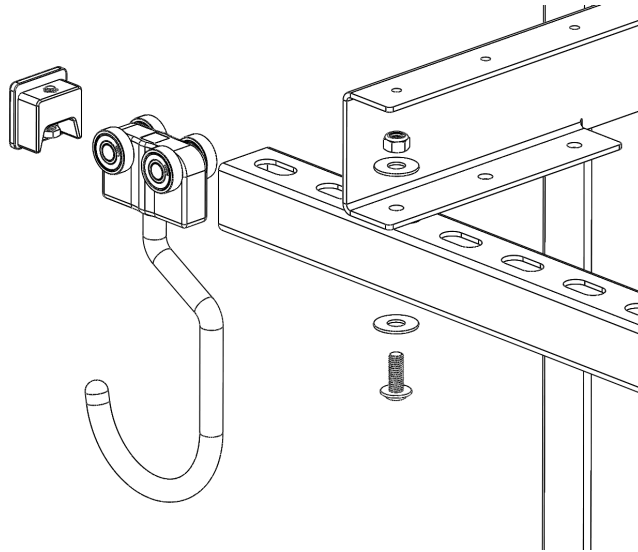
- e. Repeat steps 3 and 4 for locating studs, and mounting the remaining brackets.
6. Attaching a shelf
  - a. The top of the bracket is designed to hold a shelf board.
  - b. Holes are sized for #10 self tapping screws.
  - c. **TIP:** A 10" x 97in and 12in x 97 in are commonly available shelf boards. Custom boards can be cut from plywood. For a 48"x24" deep use two 48x12" shelf boards. A variety of pre-made shelf boards are available at your local hardware store.
  - d. **CAUTION:** User is responsible for providing enough support between brackets. Additional support on the back wall and across the board can be added to stiffen the shelf board.
7. Installing Strut channel
  - a. Use supplied round head allen screw, 2x washer, and locknut
  - b. **TIP:** May be easier with 2 people



- c.
- d. Use 5mm allen and M13 Socket.
- e. Tighten and snug down (10-12Nm).

## Wall Mount Bracket Installation Instructions

### 8. Install hooks and end stops



a.

### WARNING

- Stay within the rating of bracket including weight of bikes and loading on shelf
- User is responsible for assessing condition of the mounting surface, studs and wall strength
- Capacity may be reduced based on wall surface, studs condition, or fastener choice.

### Disclaimer

This is a DIY project. GearBlocksLLC is not responsible for any damage or injuries related to this product or its installation.