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Thanks for purchasing a Saris Infrastructure product!

Congratulations on choosing a world-class two-tier bicycle parking system! The Stack Rack was designed and manufactured in the Upper Midwest, the steel is from local foundries and the end product was carefully produced by our beloved staff in Madison, WI.

The Stack Rack is a customizable two-tier lift assist bicycle parking system that combines industrial design and strength with dialed spacing to maximize density and usability. Flexibility in bike spacing, rack configuration and its modular design make this system adaptable to nearly any installation location. Most of all, it is easy to assemble and maintain.

Please read and understand the following instructions before beginning your installation.

Everyone here at Saris wants you to be happy with this product. Please contact us (sales@sarisinfrastructure.com, 800-783-7257) should you need anything.
### Single-Sided

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<th>Configuration</th>
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- **Handlebar Spacing**:
  - Min. 27" (68.6cm)
  - Min. 44" (111.8cm)
  - Max. 129" (327.7cm)

- **Recommended** Min. 97.75" (248.3cm)
  - Min. 121.75" (309.2cm)
  - Min. 146.75" (372.8cm)
  - Min. 170.75" (433.7cm)

- **Lower position** 12" (30.5cm)
- **Upper position** 20" (50.8cm)

- **Handlebar Angle**: 42 degrees

**Double-Sided Configuration**
Handlebar Spacing

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<tr>
<th>A</th>
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Left most Upper Mounting tube should be flush to the end of the Upper Crossbeam to set up proper spacing.

Figure 2
Parts List

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AA
Install A (upper cross beam) into F (frame uprights). The beam should overhang the mounting brackets by 5 inches (12.7cm).
1. Install **M** (mounting plates) using **P** (M10 x 30mm carriage bolts), **S** (M10 nylock nuts) and **W** (washers).

2. With all mounting plates installed tighten bolts evenly to 30 ft/lbs (41 Nm) min

3. Install **AA** (cross beam end plug) in either end of upper cross beam
Anchor Installation

*DO NOT THROW AWAY THE PENTA SOCKET AFTER COMPLETING THE INSTALLATION. YOU WILL NEED IT TO REMOVE THE EQUIPMENT IF THAT IS NECESSARY.*

1. Place the rack in the desired location (see setbacks document). Use a marker or pencil to outline the holes of the flange onto the base material. We recommend checking the hole locations after each new anchor is placed. Ensure the holes are at least 6” away from any cracks in the base material.

2. The concrete anchor (a.k.a “drop in anchor”) is a female anchor designed for use in solid concrete only and cannot be used in brick or block base material. The anchor size is designated by the inside diameter of the anchor. The diameter of the hole to be drilled is the same size as the outside diameter of the anchor which is ½”.

3. When fastening to solid concrete with a drop in anchor, a hole must first be drilled into the concrete. A hammer drill should be used as it will drill the best quality hole. Once the bit is inserted into the hammer drill, the depth of the hole to be drilled can easily be set by using the depth gauge on the drill or by wrapping the bit with tape at the required depth. We recommend a drill depth of 1-5/8” deep so that the anchor just sets down flush with the surface.

Tools Needed for Installation

- **Anchor Set Tool** P/N 25683
- **Penta Security Socket** P/N 25680 (only needed for temporary secure installation)

Tools Needed for Installation (Installer Provides)

- **Tape Measure**
- **½” Masonry Drill Bit** (Hammer drill recommended)
- **Hammer**
- **3/8” drive ratchet**
- **Marker or Pencil**
- **7/32” hex key**
- **Level**
4. Before starting to drill the hole, it is important that eye and ear protection are used. Make sure the hammer drill is in the hammer mode and start drilling your hole. Continue drilling until the tape on the bit or the drill gauge meets the base material—this means that the required depth has been reached.

5. Before proceeding with installation, the hole must be cleaned of all concrete dust to ensure proper fastening. Use a wire brush, a vacuum or compressed air to clean out the hole completely.

![Tool to remove debris after drilling holes. Installer provides.](image)
6. Next, insert the drop in anchor with the open side up. Tap lightly to get the anchor flush with the base material.

7. Now, take the setting tool and insert it into the anchor. Strike the setting tool with the hammer several times until the set tool no longer moves down. This will ensure the anchor is properly set.

8. Place the rack over the anchors. For temporary installation, you will be using 4 Nylock nuts w/ 4 studs.

For temporary secure installation, you will be using 2 Nylock nuts and 2 Penta nuts w/ 4 studs. Be sure to alternate between Penta nuts and Nylock nuts. You will thread the studs into the anchors before installing the Penta nuts and Nylock nuts.
1. Once drop in anchors are installed install studs and nuts but leave K (lower cross beam tie down) and B (lower cross beam) loose until lower trays are installed.
Lower Stall Installation

1. Place **G** (lower stall with riser) and **J** (lower mounting bracket) into the first bike position working from left to right.
2. Install **R** (M8 x 16mm carriage bolts) with **X** (washers) and **U** (M8 locknuts). Tighten to 8 ft/lbs (11 Nm)
3. Repeat the process with **H** (lower stall without riser).
4. Space stalls per figure 2.
5. Once lower stalls have been installed tighten lower crossbeam nuts on mounting studs, tighten to 10 ft/lbs (14 Nm).
Roller Beam Installation

1. Align E and I (upper mounting tubes) directly above lower stall. The high mount (I) and low mount (E) must correspond with the high and low mounted lower stalls. The first mounting tube bracket should be flush to the end of the upper cross beam.

2. Space and stagger upper mounting tubes on the upper cross beam per figure 2.

3. Install L (backing brackets) using Q (M10x25mm carriage bolts) with W (washers) and S (M10 locknuts). Tighten to 30 ft/lbs (41 Nm).
1. Align C (wheel stop) with holes in mounting tubes on the right side of the mounting tube. Install stop tube using N (3/8 x 4.0” bolt) with W (washer) and T (3/8 lock nut) as shown above.

2. Tighten to 15 ft/lbs (20 Nm) max. (Do not overtighten or tube could be crushed while installing.)
1. Slide Z (steel axle) into Y (roller) and evenly space ends.
2. Place D (upper bike stall) onto upper mounting tube.
3. Align lower front mounting holes with roller and axle and install O (3/8 x 3.0” bolt) and V (3/8 thin locknut).
4. Align Z (steel axle) with lower rear mounting holes in upper bike stall and install O (3/8 x 3.0” bolt) and V (3/8 thin locknut).
5. Tighten locknuts to 15 ft/lbs (20Nm).
6. Repeat for remainder of upper bike stalls
7. When installation is complete, pull out upper bike stalls to ensure smooth and free movement.
WARNING: Manufacturer and seller expressly disclaim any and all liability for personal injury, property damage or loss, whether direct, indirect, or incidental, resulting from the incorrect attachment or inappropriate placement, improper use, inadequate maintenance, or neglect of this product. Placement of this product is beyond control of the manufacturer. It is the end users reasonability to place this product so as to avoid potential pedestrian or playground accidents.

WARRANTY: We warrant this product to the first consumer to be free from defect in material and workmanship for a period of one year from date of purchase. Please retain your sales slip for your records. Any product or part thereof found to be defective within that period will be replaced without charge provided that: (1) the product was not misused; (2) no alterations or modifications were made; (3) its failure resulted from a defect in material or workmanship and not from normal wear expected in the use of the product; (4) the product or part is delivered, freight prepaid, to Saris Products. Manufacturer’s only obligation shall be to replace such products or parts proved to be defective.

Saris Cycling Group 5253 Verona Road Madison, WI 53711 (800) 783-7257 www.sarisinfrastructure.com

12/19