The Bike Hitch is an attractive and space efficient bike rack. The Bike Hitch was specifically designed for sidewalks and other narrow space applications. The rack’s design restricts bikes to parking parallel with the rack so bikes won’t protrude out into the sidewalk or street.
Bike Hitch

Product: Bike Hitch
Capacity: 2 Bikes
Materials: Centerbeam: 2” schedule 40 pipe (2.375” OD)
Ring: 1.5” OD 11 gauge tube
Finishes: Standard options: Galvanized Or Powder Coated

Also available in PVC, Thermoplastic, or Stainless steel upon request.

Installation Methods
- In ground mount is embedded into concrete base. Specify in ground mount for this option.
- Surface Mount has one 5” x 6” foot which is anchored to the ground with four anchors (included with rack).

Space Use & Setbacks
- Wall Setbacks:
  - For racks set parallel to a wall:
    - Minimum: 12”
    - Recommended: 24”
  - For racks set perpendicular to a wall:
    - Minimum: 35”
    - Recommended: 38”

- Distance Between Racks:
  - Minimum: 24”
  - Recommended: 38”

- Street Setbacks:
  - Minimum: 36”

Example of rack in use

American Bicycle Security Company
P.O. Box 7359
Ventura, CA 93006
Ph: (800) 245-3723 or (805) 933-3688
Fax: (805) 933-1865
www.ameribike.com
Email: turtle@ameribike.com
*Tools Needed for Installation*
- Tape Measure
- Marker or Pencil
- Masonry Drill Bit
- Drill (*Hammer drill recommended*)
- Hammer
- Wrench 9/16”
- Level

**Recommended Base materials:**
Solid concrete is the best base material for installation. Ask your American Bicycle Security representative which anchor is appropriate for your application to ensure the proper anchors are shipped with your rack. Be sure nothing is underneath the base material that could be damaged by drilling.

**Installation:**
3/8” anchors are shipped with the rack. Place the rack in the desired location. Use a marker or pencil to outline the holes of the flange onto the base material. Drill the holes in accordance with the specifications shipped with the anchors. Make sure the holes are at least 6” away from any cracks in the base material.

**Tamper Resistant Hardware**
The concrete spike is a permanent anchor. The top of the wedge anchor can also be pounded sideways after installation so that it cannot be removed. Other tamper resistant fasteners are also available for purchase.

When using the special tamper resistant nuts, always set and first tighten the anchors. Once the rack is installed, replace two nuts from the bracket (opposite sides from each other) with the tamper resistant fastener. **DO NOT OVERTIGHTEN** the tamper resistant nut.
**Bike Hitch**

**In-Ground Installation**

**Tools Needed for Installation**
- Level
- Cement mixing tub
- Shovel
- Trowel
- Hole coring machine with 4” bit
- Access to water hose
- Materials to build brace

**Installing into New Concrete**

1. **Final grade level**
   - Place corrosion resistant sleeve (min. 3” inside diameter) in sand pour bed in exact location where rack will be installed. Make sure top of sleeve is at same level as desired finished concrete surface. Fill sleeve with sand to keep it in place and prevent it from filling with concrete.

2. **Poured concrete 4-7” deep**
   - Pour concrete & allow to cure.

3. **After curing, dig out sand from sleeves & insert racks, making sure they are level & at the appropriate height.**

4. **Place racks in holes, making sure it is level.**

**Installing into Existing Concrete**

1. **Place rack into holes, making sure it is level.**

2. Core holes no less than 3” diameter (4” recommended) & no less than 10” deep into surface.

3. **Fill holes with epoxy grout. 32” of the bike rack should remain above surface.**

4. **Make sure rack is level & held in place until the grout has completely set.**

   *An easy way to brace the rack while the grout sets is to bolt two 1x4” boards together at one end and clamp them onto the legs of the rack like a clothes pin.*

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