The Helix Rack is an attractive double-sided, space efficient bicycle rack. Each Helix parks six bikes. The Helix supports bicycles at two points and allows for the wheels and frame to be secured using a u-style lock. The curve and pitch of the Helix Rack makes it nearly impossible to cut with a pipe cutter.

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
Helix Rack

Product: Helix Rack
Capacity: 6 Bikes
Materials: 1.25” Pipe (1.66” OD)
Finishes: Standard options: Galvanized or Powder Coated

Also available in Thermoplastic or Stainless steel upon request.

Installation Methods: Foot Mount has two 2.5”x6”x.25” feet with two anchors per foot. Specify foot mount for this option.

Space Use & Setbacks:
- Wall Setbacks: A minimum of 74” should be left between the wall and the long side of the rack. If placing the Helix perpendicular to the wall 12”-24” is the recommended setback.
- Distance Between Racks: Helix ends can be placed together to look like a continuous spiral. Helices placed parallel with each other should allow for 13’ between each rack, measured center to center.
- Street Setbacks: 74” is the minimum setback distance between the street and the rack. 77” is recommended.

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Recommended Base Materials:
Solid concrete is the best base material for installation. Ask your 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.

Tools Needed:
- Tape Measure
- Marker or Pencil
- Masonry Drill Bit Drill (Hammer drill recommended)
- Hammer
- Wrench 9/16”
- Level

1. Place the rack in the desired location. Use a marker or pencil to outline the holes of the flange onto the base material.

2. Drill 3/8” diameter holes 3” deep into surface. Make sure the holes are at least 3” away from any cracks in the base material.

3. Place rack (and washers to level rack if necessary) over holes.

4. Thread nuts onto anchors, leaving approximately 1/4” of the anchor protruding, and tap into surface. Tighten nuts down to secure rack.

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Tools Needed:

- Level
- Cement mixing tub
- Shovel
- Trowel
- Final grade level
- Sand pour bed
- Poured concrete (4-7” deep)
- Hole coring machine with 4” bit
- Access to water hose
- Materials to build brace (see “Install Tip” at bottom of page)

Installing into existing concrete:

Core holes no less than 3” diameter (4” recommended) and 10” deep into sidewalk. Fill holes with Por-Rok or epoxy grout. Place rack into holes, making sure the rack is level. 33”-36” of the rack should remain above the surface. If the rack is less than 33” high, it will not support the bike adequately. Make sure the rack is level and held in place until the grout has set.

Installing into NEW concrete:

1. Final grade level
2. Poured concrete (4-7” deep)
3. Pour concrete and allow to cure.

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.

After appropriate cure time, dig out sand from sleeves and insert racks, making sure they are level and at the appropriate height. Pour in Por-Rok or epoxy grout and allow to set.

INSTALL TIP
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 rack like a clothes pin.