



Beefed Up Security

For added security and peace of mind, the Heavy Duty U Rack uses a larger, thicker pipe than our standard U Rack. The Heavy Duty U meets APBP guidelines for u-lock compatibility and two points of support for the bike.

U RACK HEAVY DUTY

YOUR LOGO HERE

Customize the Heavy Duty U Rack and brand your bike parking



FINISH OPTIONS

Galvanized



Stainless



PVC Dip



Powder Coat

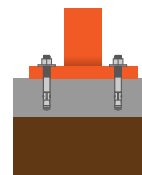
White	Black	Light Gray RAL 7042	Deep Red RAL 3003	Yellow RAL 1023
CNH Bright Yellow	Orange RAL 2004	Blue RAL 5005	Sky Blue RAL 5015	Hunter Green RAL 6005
Light Green RAL 6018	Green RAL 6016	Sepia Brown RAL 8014	Bronze	Silver 9007
Dark Purple	Flat Black	Wine Red RAL 3005	Beige RAL 1001	Iron Gray 7011

Thermoplastic

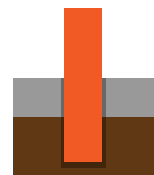
Black	Green	Red	Blue	Gray	Brown
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MOUNT OPTIONS

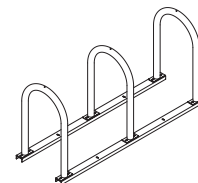
Surface



In-Ground

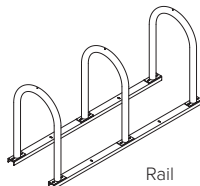
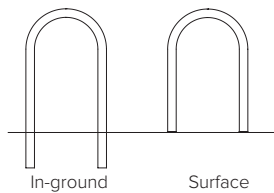
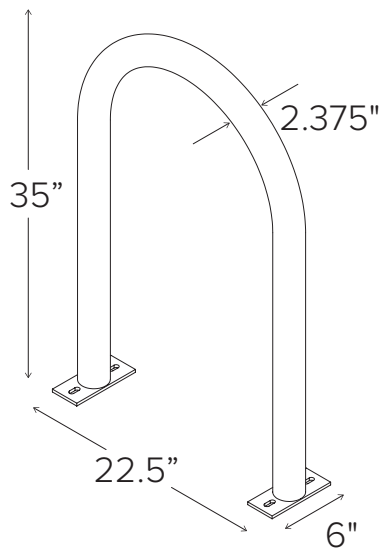


Rail



U RACK HEAVY DUTY Submittal Sheet

509-2003



CAPACITY 2 Bikes

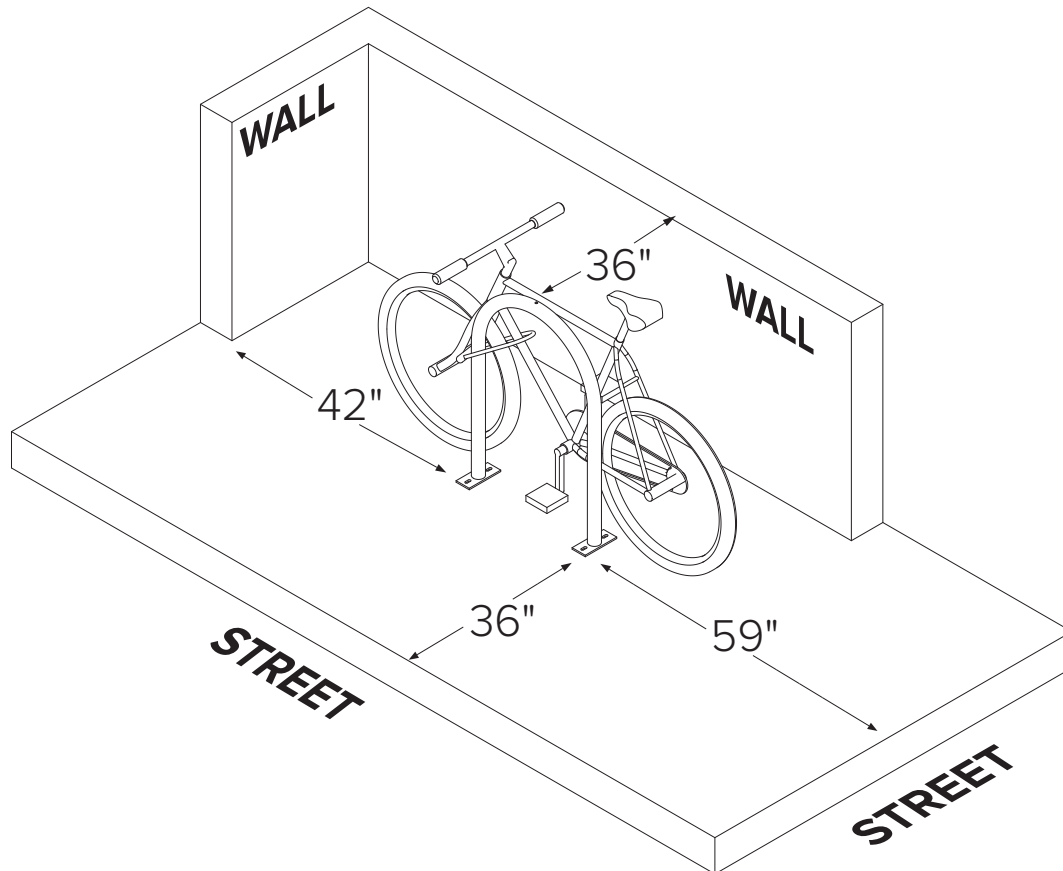
MATERIALS 2" schedule 40 pipe (2.375" OD)

- FINISHES**
- ☐ **Galvanized**
An after fabrication hot dipped galvanized finish is our standard option.
 - ☐ **Powder Coat**
Our powder coat finish assures a high level of adhesion and durability by following these steps:
1. Sandblast
2. Epoxy primer electrostatically applied
3. Final thick TGIC polyester powder coat
 - ☐ **Thermoplastic**
In addition to an increased thickness (8-10mils), the thermoplastic finish covers a galvanized layer and offers superior impact resistance over powder coating.
 - ☐ **PVC Dip** (plastisol)
Other colors available by special order (minimum orders apply)
 - ☐ **Stainless**
Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.

- MOUNT OPTIONS**
- ☐ **In-ground**
In ground mount is embedded into concrete base. Specify in ground mount for this option.
 - ☐ **Surface**
Foot Mount has two 2.5"x6"x.25" feet with two anchors per foot. Specify foot mount for this option.
 - ☐ **Rail**
Rail Mounted Racks are bolted to two parallel rails which can be left freestanding or anchored to the ground. Rails are heavy duty 3"x1.4"x3/16" thick galvanized mounting rails. Specify rail mount for this option.

U RACK HEAVY DUTY

Setbacks



U RACK HEAVY DUTY

Installation Instructions

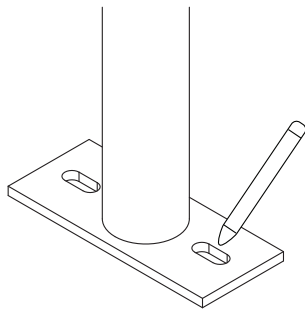
TOOLS NEEDED

Tape Measure
Marker or Pencil
Masonry Drill Bit
Drill (Hammer drill recommended)
Hammer
Wrench 9/16"
Level

RECOMMENDED BASE MATERIAL

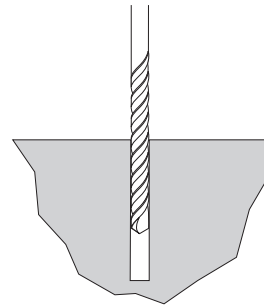
Solid concrete is the best base material for installation. To ensure the proper anchors are shipped with your rack, ask your Park and Facilities Catalog representative which anchor is appropriate for your application. Be sure nothing is underneath the base material that could be damaged by drilling.

1



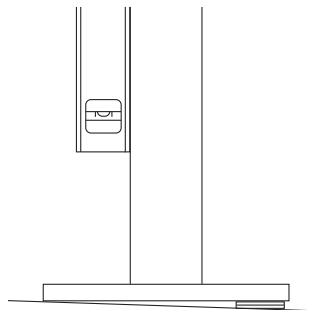
Place the rack in the desired location. Use a marker or pencil to outline the holes of the flange onto the base material.

2



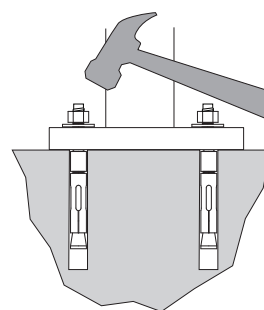
Drill 3/8" diameter holes 3" deep into surface. Make sure the holes are at least 3" away from any cracks in the base material.

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.

U RACK HEAVY DUTY

Installation Instructions – In Ground Mount

TOOLS NEEDED

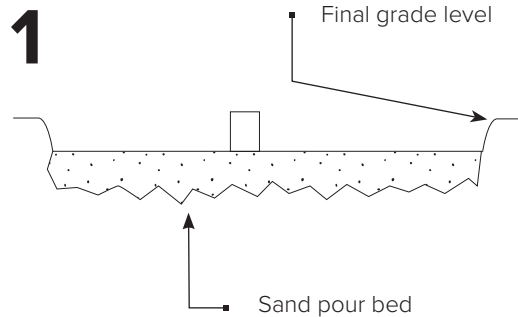
Level
Cement mixing tub
Shovel
Trowel

Hole coring machine with 4" bit
Access to water hose
Materials to build brace (see "Install Tip" at bottom of page)

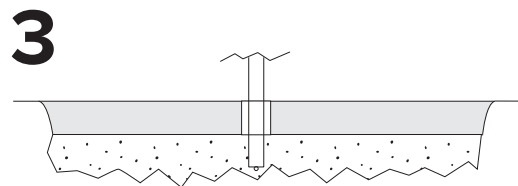
INSTALLING INTO EXISTING SIDEWALK

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.

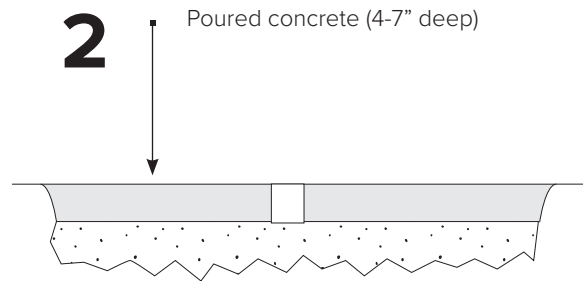
INSTALLING INTO A NEW SIDEWALK



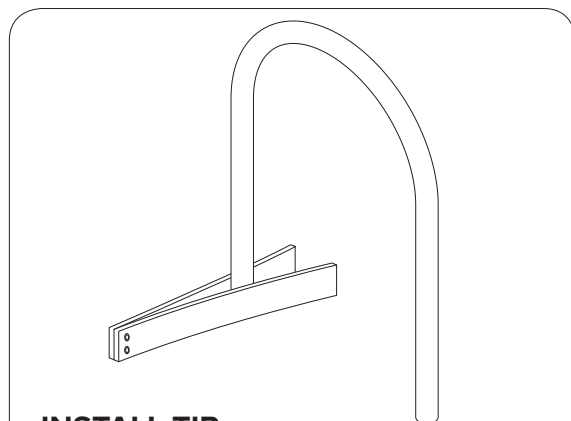
Place corrosion resistant sleeve (min. 3" inside diameter) in sand pour bed in exact location where rack will be installed. Make sure top of sleeve is at same level as desired finished concrete surface. Fill sleeve with sand to keep it in place and prevent it from filling with concrete.



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.



Pour concrete and allow to cure.



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.

U HEAVY DUTY RACK

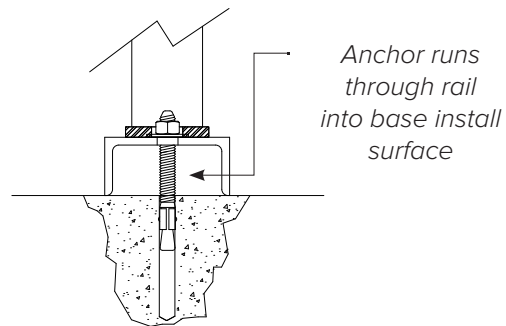
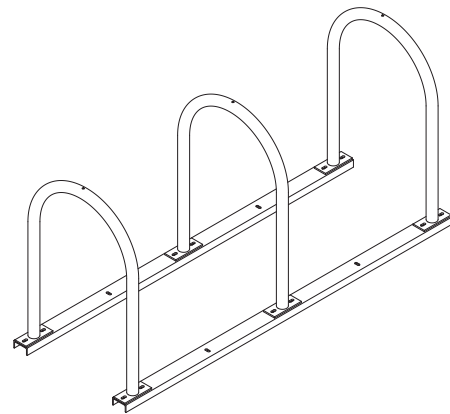
Rail Mounted Options

RAIL MOUNTED U HEAVY DUTIES

Rail mounted U Racks are standard foot mounted U Racks attached with bolts to a rail as in the diagram at left. Rail mounted racks provide more flexibility than other mounting options while providing the same degree of security.

Rail mounted U Racks can be left freestanding, or they can be anchored to the ground using several anchors. This option allows for easier snow removal and sweeping. Installation of Rail mounted U's are also much less expensive than embedding the racks into the ground.

* Note: Though racks may be painted, the rails will remain with only a galvanized finish

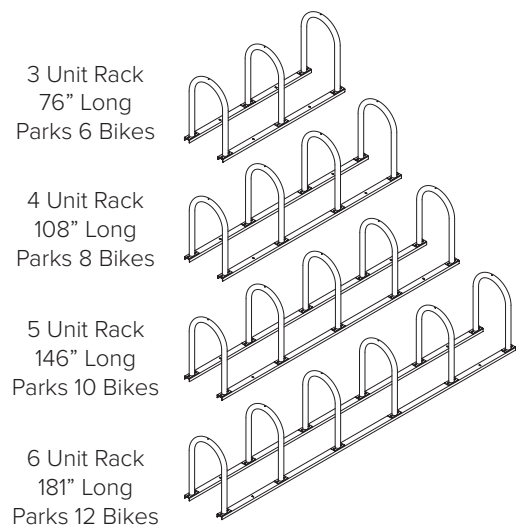


ADVANTAGES:

- Easier and inexpensive installation
- Can be left freestanding or anchored to the ground
- Easier to remove for sweeping and snow removal

APPLICATIONS:

- Installation to pavers
- Asphalt Installations
- Ground, dirt, or mulch
- Situations where the rack needs to be moved occasionally



U RACK HEAVY DUTY

Installation Instructions – Rail Mount

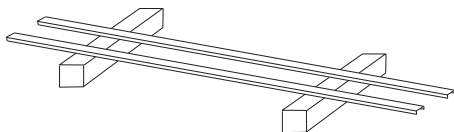
TOOLS NEEDED

9/16" Socket set
Two 4"x4"x28" (or larger) blocks 4 bolts, nuts and washers for every U (included with rack). If using a tamper resistant nuts, install two tamper resistant nuts with each Hoop.

ANCHORING THE RAILS

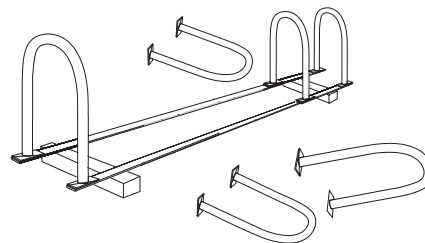
To anchor the rails to concrete, place 3.75" wedge anchor through holes in the rail into the concrete. Secure with nut.

1



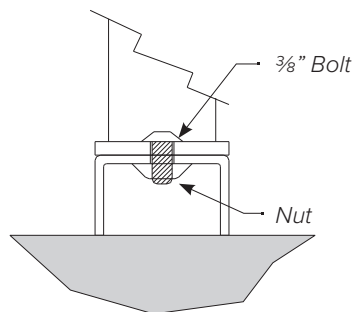
Lay out the two channel beams where the rack will be placed. Place the two beams on top of the two blocks of wood so that the open part of the channel faces the ground.

2



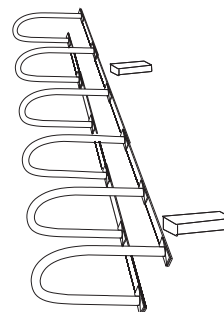
Place U Rack Heavy Duties on beams so holes in rack flanges line up with beam slots

3



Put bolts through U Rack Heavy Duty flange holes and beams so bolt head faces up. HAND tighten the nuts using new flange nuts.

4



Once nuts are on, tip assembled rack over and use a 9/16" socket to tighten nuts. Before fully tightening nuts, make sure the racks are straight on beams. If using tamper resistant nuts, use access tool to tighten nuts. Do not overtighten the tamper resistant nuts. Tip rack upright.