

Hoop Rack
Heavy Duty



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

©2024

Hoop Rack Heavy Duty



YOUR **LOGO** HERE



FINISH OPTIONS

Galvanized



Stainless

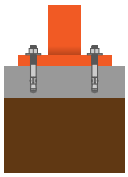


Powder Coat

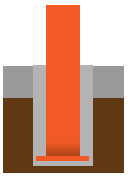
White	Black	Light Gray RAL 7042	Deep Red RAL 3003	Yellow RAL 1023
CNH Bright Yellow	Orange RAL 2004	Beige RAL 1001	Iron Gray RAL 7011	Hunter Green RAL 6005
Light Green RAL 6018	Green RAL 6016	Sepia Brown RAL 8014	Blue RAL 5005	Sky Blue RAL 5015
Dark Purple	Flat Black	Wine Red RAL 3005	Bronze	Silver RAL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

MOUNT OPTIONS

Surface

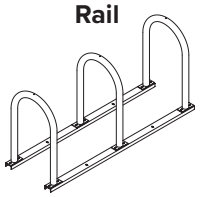


In-Ground



Tamper-resistant fasteners available upon request

Rail

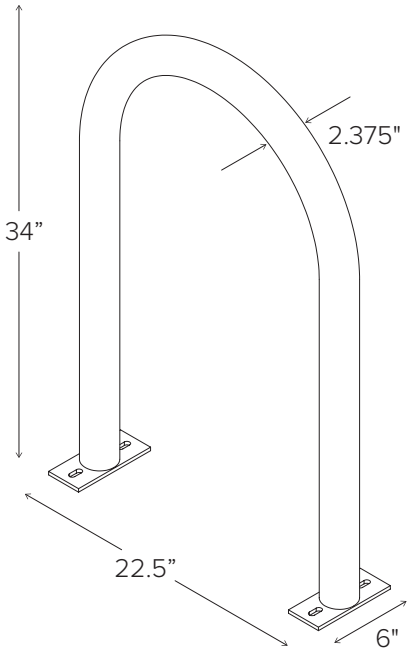




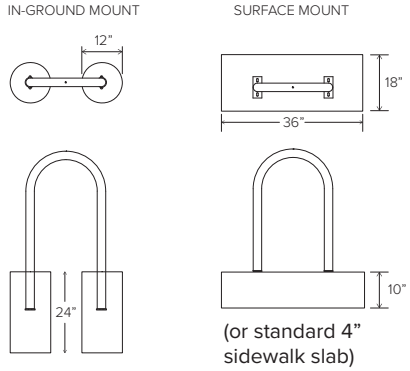
OPTIONAL LEAN BAR

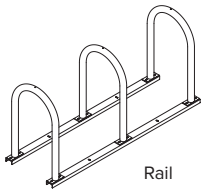
for ADA cane-detection compliance

©2024



FOOTING DIAGRAMS





Rail

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. Chemically cleaned and treated for corrosion reduction
2. Epoxy primer electrostatically applied
3. Final thick TGIC polyester powder coat

☐ **Stainless**
Stainless Steel: 304 grade stainless steel material in a satin finish, high polished shine, or powder coat over unpolished stainless.

- ☐ Satin Finish (#4) - Brushed (Our standard)
- ☐ Electropolished - High Polished Shine
- ☐ Powder Coat over Unpolished Stainless

MOUNT OPTIONS

☐ **Surface**
Foot Mount has two 2.5” x 6” x .25” feet with two anchors per foot. Specify foot mount for this option. Tamper-resistant fasteners available upon request.

☐ **In-Ground**
In-ground mount is embedded into concrete base. Specify in-ground mount for this option

☐ **Rail**
Rail Mounted Downtown Racks are bolted to two parallel rails which can be left freestanding or anchored to the ground. Rails are heavy duty 3” x 1.4” x 3/16” thick galvanized mounting rails. Specify rail mount for this option.

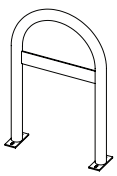
Rack Angle:



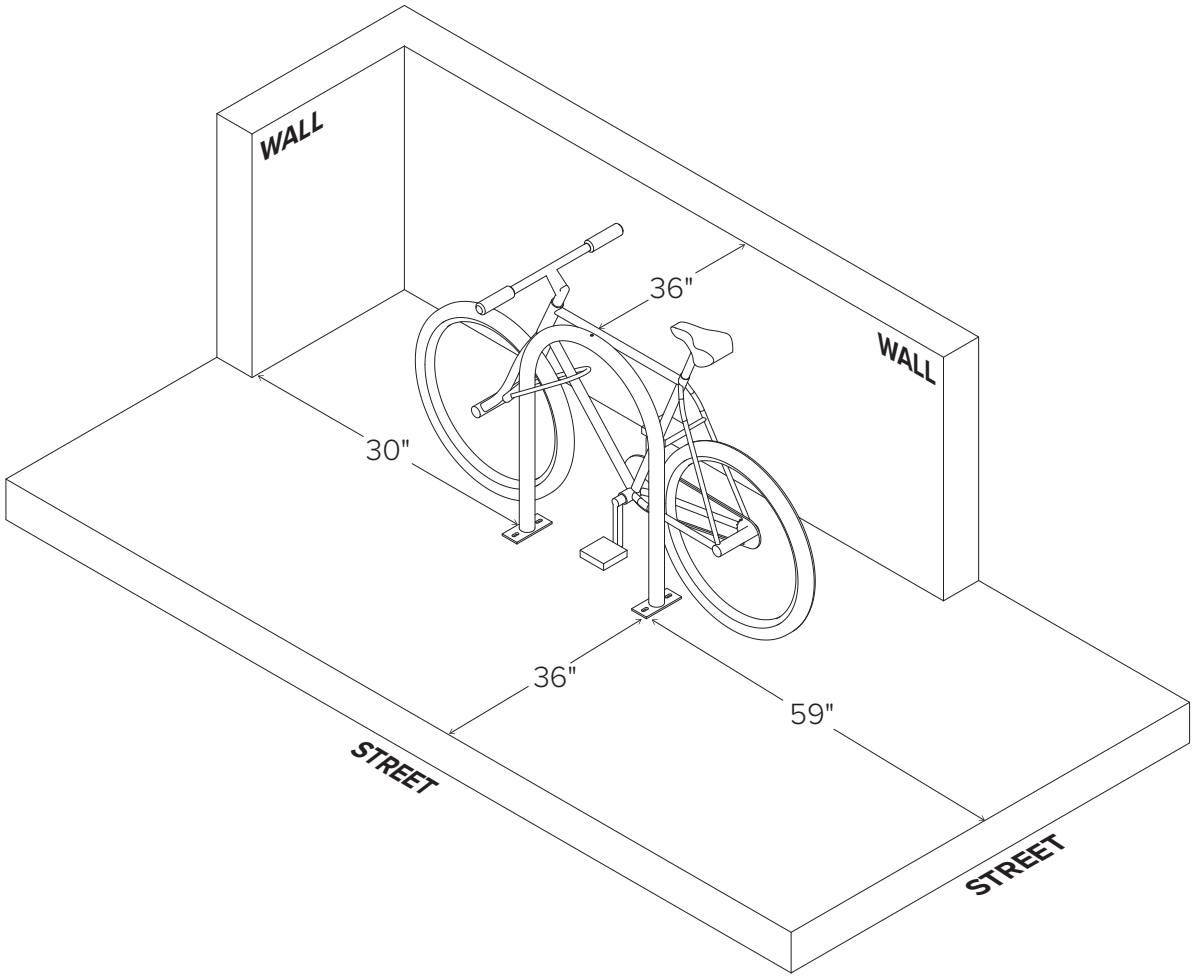
☐ 90 ☐ 45A ☐ 45B ☐ 60A ☐ 60B

OPTIONAL LEAN BAR

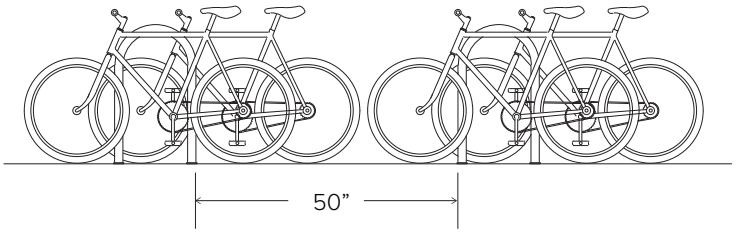
☐ **Add Lean Bar**
Lean bar ensures rack meets ADA requirements for cane-detection



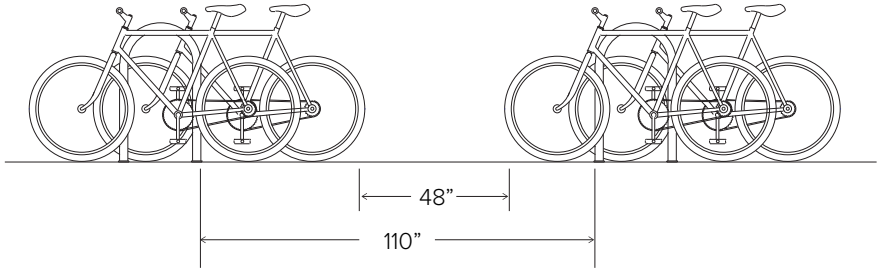
©2024



No Aisle



With Aisle



©2024

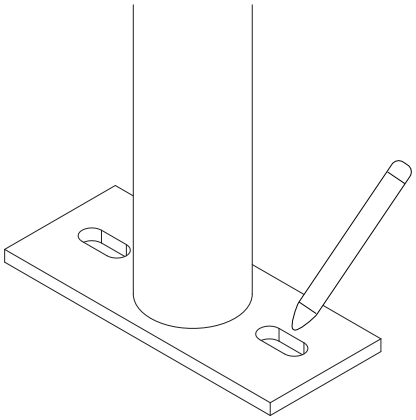
TOOLS NEEDED

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

RECOMMENDED BASE MATERIAL

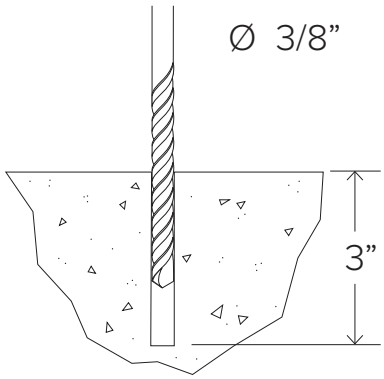
Solid concrete is the best base material for installation. To ensure the proper anchors are shipped with your rack, ask your Dero Rack representative which anchor is appropriate for your application. Be sure nothing is underneath the base material that could be damaged by drilling.

1



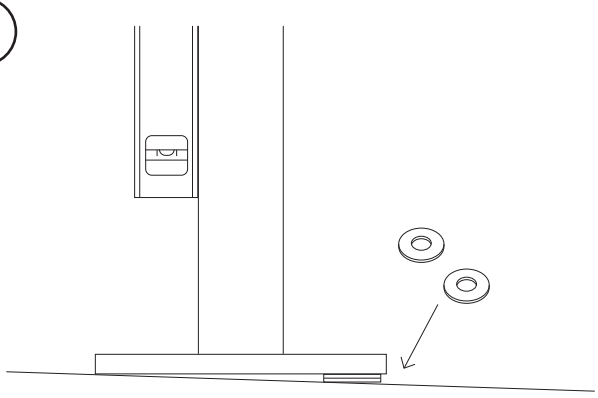
Place the rack in the desired location. Use a marker or pencil to outline the holes of the flange onto the base material.

2



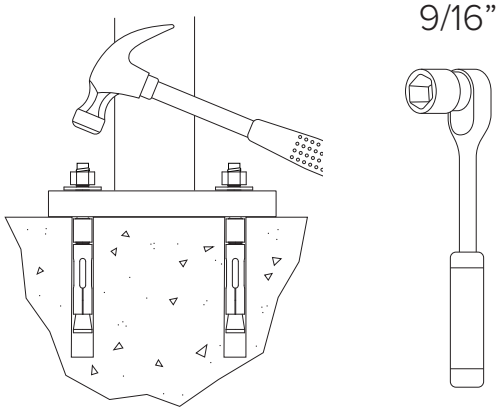
Drill 3/8” diameter holes 3” deep into surface. Make sure the holes are at least 3” away from any cracks in the base material.

3



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

4



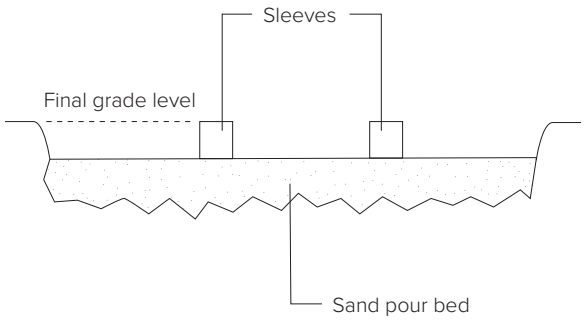
Thread nuts onto anchors, leaving approximately 1/4” of the anchor protruding, and tap into surface. Tighten nuts down to secure rack.

©2024

TOOLS NEEDED

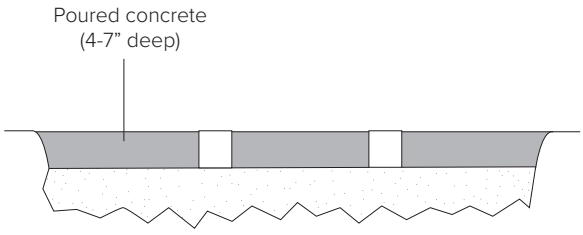
Level
Cement mixing tub
Shovel
Trowel
Corrosion-Resistant Sleeve (min. 4” diameter)
Materials to build brace (see “Install Tip” at bottom of page)

1



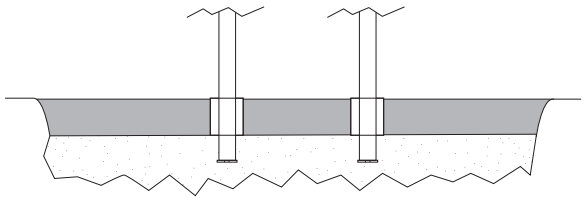
Place corrosion resistant sleeve (min. 4” inside diameter) in sand pour bed in exact location where rack will be installed. Make sure top of sleeve is at same level as desired finished concrete surface. Fill sleeve with sand to keep it in place and prevent it from filling with concrete.

2



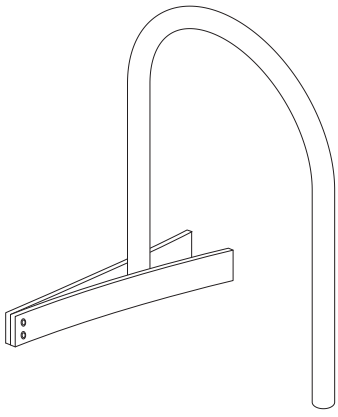
Pour concrete and allow to cure.

3



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

TIP



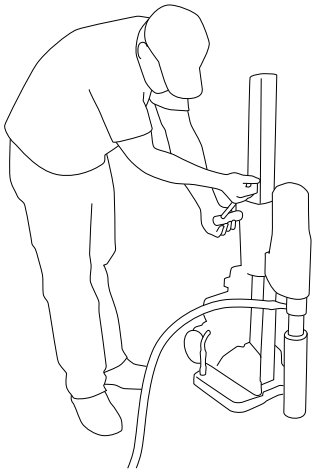
An easy way to brace the rack while the grout sets is to bolt two 1x4” boards together at one end and clamp them onto the legs of the rack like a clothes pin.

©2024

TOOLS NEEDED

Level
Cement mixing tub
Shovel
Access to water hose
Trowel
Hole coring machine with 4” bit
Materials to build brace (see “Install Tip” at bottom of page)

1

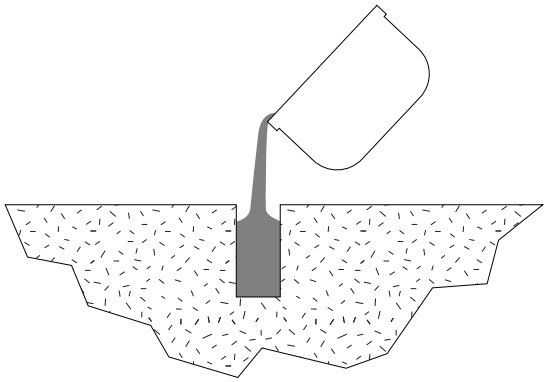


Ø 3” min.

↧ 10” min.

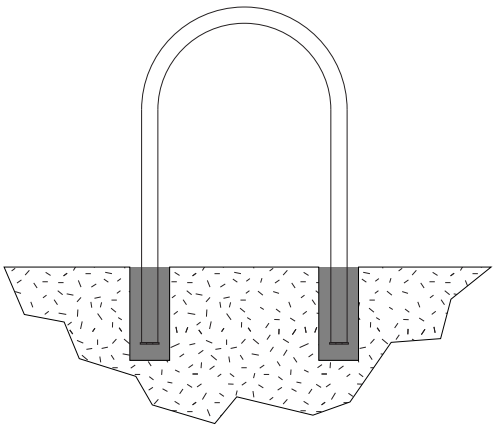
Core holes no less than 3” diameter (4” recommended) and no less than 10” deep into sidewalk.

2



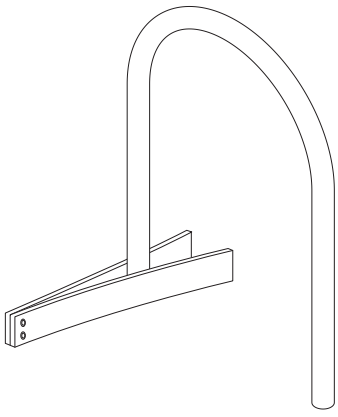
Fill holes with Super Por-Rok or epoxy grout.

3



Place rack into holes, making sure it is level until the grout has set. 33”-36” of the rack should remain above the surface.

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 legs of the rack like a clothes pin.

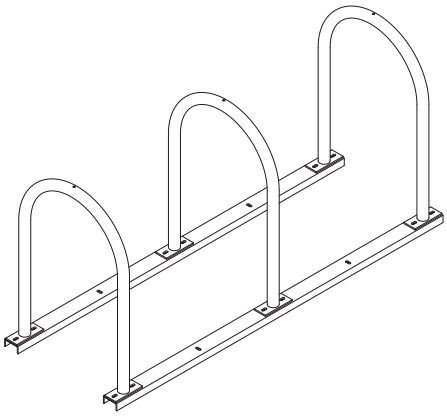
©2024

RAIL MOUNTED RACKS

Rail mounted racks are standard foot mounted 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 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 racks is 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

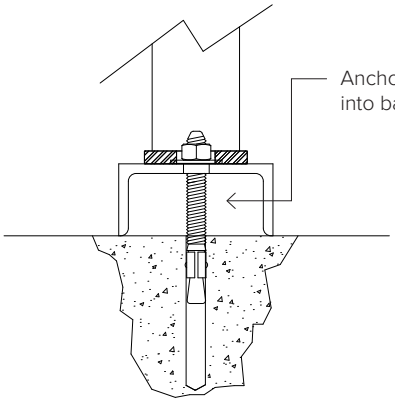


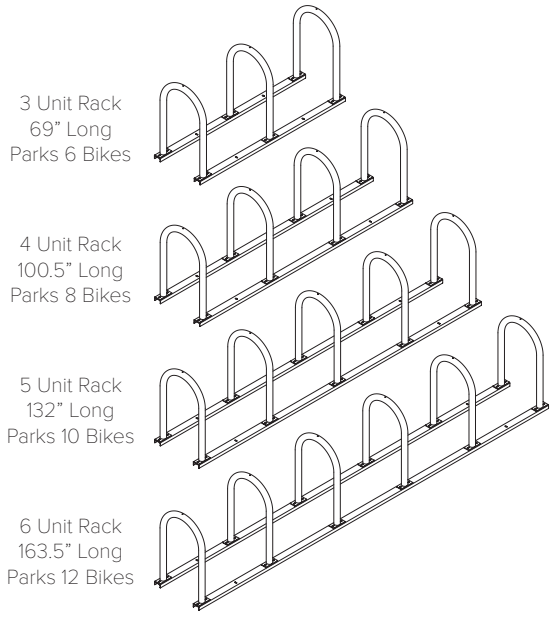
ADVANTAGES:

- 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





©2024

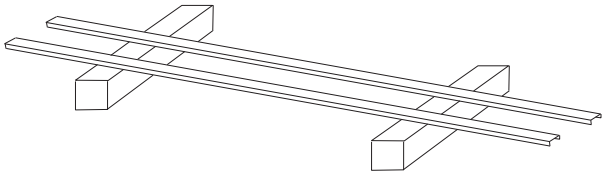
TOOLS NEEDED

9/16” Socket set
Two 4” x 4” x 28” (or larger) blocks
4 bolts, nuts and washers for every rack (included). If using a tamper resistant nuts, install two tamper resistant nuts with each rack.

ANCHORING THE RAILS

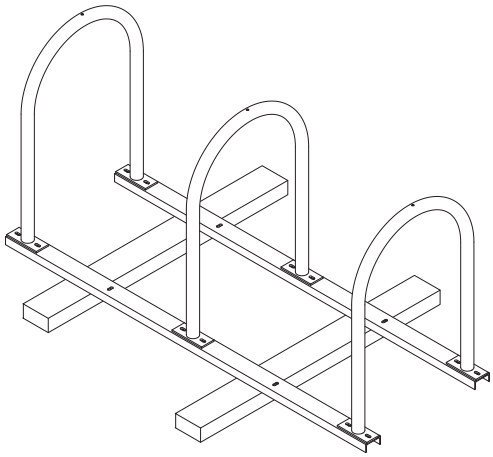
To anchor the rails to concrete, place 3.75” wedge anchor through holes in the rail into the concrete. Secure with nut.

1



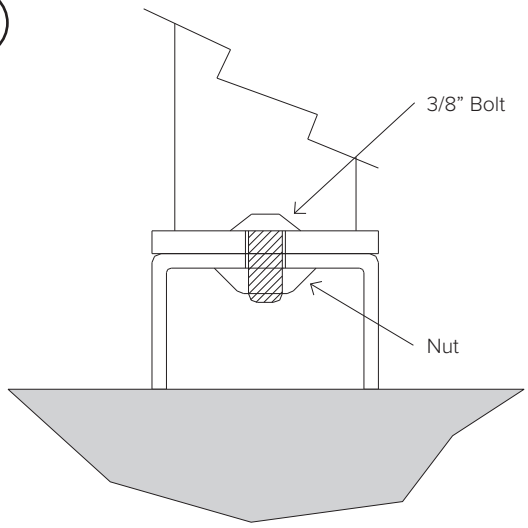
Lay out the two channel beams where the rack will be placed. Place the two beams on top of the two blocks of wood so that the open part of the channel faces the ground.

2



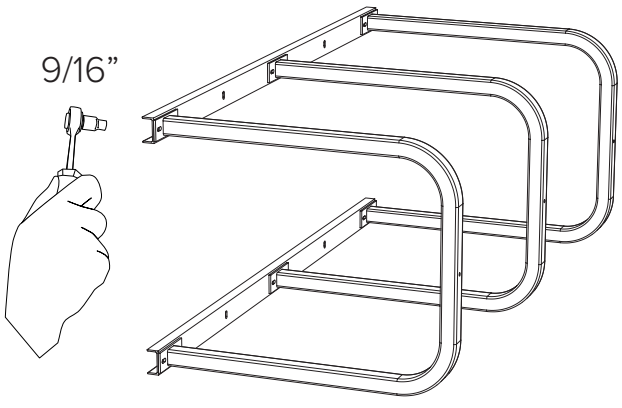
Place racks on beams so holes in rack flanges line up with beam slots

3



Put bolts through rack flange holes and beams so bolt head faces up. HAND tighten the nuts using new flange nuts.

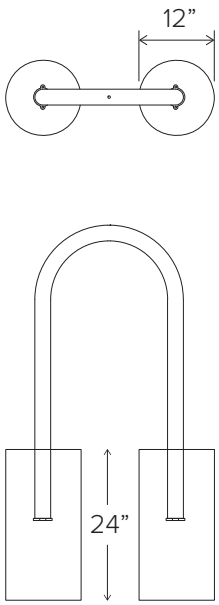
4



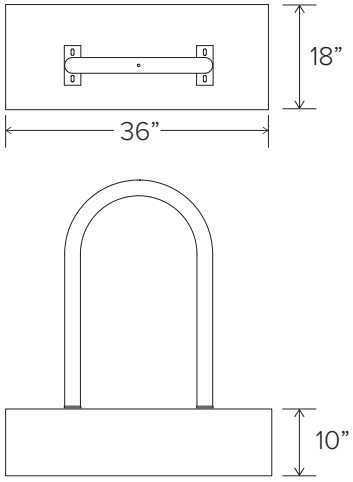
Once nuts are on, tip assembled rack over and use a 9/16” socket to tighten nuts. Before fully tightening nuts, make sure the racks are straight on beams. If using tamper resistant nuts, use access tool to tighten nuts. Do not overtighten the tamper resistant nuts. Tip rack upright.

©2024

IN-GROUND MOUNT



SURFACE MOUNT



(or standard 4” sidewalk slab)

©2024