



Parkitect Bike Parking Guidelines

Be a part of the Green Transportation Movement

Let your community know your company or organization is committed to promoting sustainable transportation by providing safe, secure parking for bicycles and other non-motorized vehicles. Offering properly designed, placed and cared for bicycle parking encourages cyclists to visit your destination, knowing they will have a safe area to secure their valuable property. Safe, convenient parking also keeps sidewalks accessible, trees from being damaged and shows your commitment to the health of the local environment and community.

If you are planning a new or re-imagined street scape or transit-oriented project, taking into consideration the needs of human powered transportation, specifically bicycles and skateboards, demonstrates your commitment to active, healthy lifestyles.

Bikes Mean Business

Consistently, studies have shown that implementing bike infrastructure such as bike lanes and on-street bike racks in business districts noticeably increases local business traffic. It's simple if you think about it. Each on-street parking spot offers convenient parking for one person or family. Safe, convenient bike parking can do the same – but in a highly concentrated area. Many more bikes than cars can park outside a businesses' front door.

Biking Builds Better Communities

Urban planning experts agree that moving commuters out of their cars and into active modes of transportation like biking means less traffic congestion, lower costs for building and maintaining car parking, and improved health of the local community. Building biking infrastructure into your project can mean much more than a safe place to lock up a bicycle.

Parkitect makes it easy

With decades of experience providing quality, secure bike parking, Parkitect can help you with all the planning to make your bike parking project a success. If you have more questions on bike parking guidelines, please contact us. Complimentary site/plan consultations are available for any project.

GUIDELINES

Where to Start

For a bicycle parking system that is safe, secure and orderly, each parking location should offer these minimums.

- 1) Be securely anchored to either the ground or your building.
- 2) Allow both the bicycle frame and at least one wheel of the bike to be safely secured to the rack with a u-style lock, as many front wheels offer "quick removal."
- 3) Allow at least two points of contact between the rack and the bike, to help support the bike's frame, lessening the chance of damage to the bicycle.
- 4) Provide ample space between bike positions to realistically accommodate a bicycle locked in every spot.

PROVIDING SHORT TERM VS. LONG TERM PARKING

Short-term parking

The majority of public bike racks are considered short-term parking, intended for durations of less than two hours. These are almost always unsheltered bike racks, available to the general public, and usually located on street, or in public areas or near traditional car parking areas.

Short-term bike parking should be clearly visible from the main entry of your facility, in a high-traffic, well-lit area and no more than 50 feet from a main pedestrian accessible entrance. If multiple entrances exist, place signage at secondary entrances to direct bicyclists to bicycle parking or install bike racks at each location.

Bike racks and bikes parked on them must not obstruct sidewalks, doorways, or bus stops. In situations where sidewalks are narrow, bike racks should be installed so bicycles must be parked parallel to the curb to ensure the sidewalk is not obstructed. With wider sidewalks, bike racks may be angled to fit more bikes, but in all cases a 6-foot minimum pedestrian zone should be maintained, with bikes properly secured to racks.

Short Term Parking Examples:

- Commercial, Retail & Health Care Facilities
- Parks and Recreational Areas
- Libraries and Community Centers

Long-term parking:

Long-term parking options include areas that offer the added protection of an enclosure, such as bike shelters, bike rooms or lockers for more exurban or rural settings. These areas should be well lit and have controlled access, such as a keyed entry or passcode. Bicycles should be sheltered from weather by at least a roof; shelters that protect from wind, rain and snow are preferable to fences. Whenever possible, active surveillance from someone like a bike valet provides the safest option. Visible surveillance cameras and/or nearby security guards can also offer enhanced security.

Long Term Parking Examples:

- Transit facilities
- Places of Employment
- Apartment buildings or Condos
- Universities and Schools
- Arenas, Stadiums & Event Centers

KNOW YOUR CITY ORDINANCES

Each city has their own set of ordinances that must be followed by businesses and the community. Be sure to contact your city hall or government center to know set-back requirements and any regulations that must be followed prior to starting a project or installation. Parkitect can help design a plan for your green space or parking area that safely weaves together bikes, boards, people and vehicles.

Location

As mentioned earlier, implementing bike infrastructure in a business district noticeably increases local business traffic. Bike racks should be assessable outside of businesses and in high traffic areas for easy in and out, but also to deter crime. If bike and board racks are not placed in convenient locations, they won't be used. Work with your city or local government center to determine the best location to keep the traffic flow moving, yet provide adequate space for people to move around parked bikes.

SET-BACK RECOMMENDATIONS FOR INSTALLING BIKE RACKS:

Parkitect recommends that you provide a 6ft walkway between a building and our bike racks. If you are working with a small sidewalk area, bike racks can be placed parallel to the road, but should be 2ft away from the curb to allow bike parking on both sides of the bike rack and allow for safe movement around the bike rack. Bike racks placed close to a building should sit a minimum of 24" away from the building, but should leave at least a 72" of space from the rack to the curb to allow for pedestrian traffic flow (see*)

**This is a recommendation for maximum space to safely weave bike racks and people. City ordinances may differ on specification guidelines for setbacks. Please follow your city ordinance guidelines when installing.*

SURFACES FOR INSTALLATION:

There are many types of surfaces on which bike racks can be installed:

Concrete: Concrete is the easiest method to install on as it works well for both In Ground Mount and Flange Mount installs. As noted in our installation guide, it is imperative when installing that you stay at least 3" away from any cracks. Concrete is our preferred method of install as it is the best material for installation and securing your bike rack. For more information and guidance on installing, please feel free to contact us 763-452-0468.

Asphalt: Asphalt is not as strong as concrete and is not a strong enough material on its own to mount a bike rack. If installing on asphalt, Parkitect recommends the use of epoxy with this surface type when installing a bike rack. For more information and guidance on installing on asphalt, please feel free to contact us 763-452-0468.

Pavers and Tile: Like asphalt, pavers and tile also require the use of epoxy. Pavers and tiles are not as secure as concrete or asphalt and can be easily be removed with the rack attached. Pavers can be used; however, when using pavers or tile, Parkitect recommends switching to an in-ground style mount. The installer should core drill the hole and then place epoxy and concrete to anchor the rack in place which will provide a more secure mounting - making it harder to remove the rack. For more information and guidance on installing with pavers or tile please feel free to contact us 763-452-0468.

Grass and Dirt: Placing a rack in grass or dirt, Parkitect recommends that you use concrete footings to hold the bike rack securely in place or use an in ground mount install. For more information and guidance on installing in grass or dirt, please feel free to contact us 763-452-0468.

INSTALLATION GUIDES:

If your city or government center will be installing bike racks purchased through Parkitect, please use Parkitect's installation guide. Please note: Your bike rack was designed for either an In Ground or a Flange Mount install. If you are unsure which design you purchased, please contact us prior to starting. You will find install guidelines for In Ground Mount on page 4 and Flange Mount guidelines on page 5.



Installation Instructions In Ground Mount

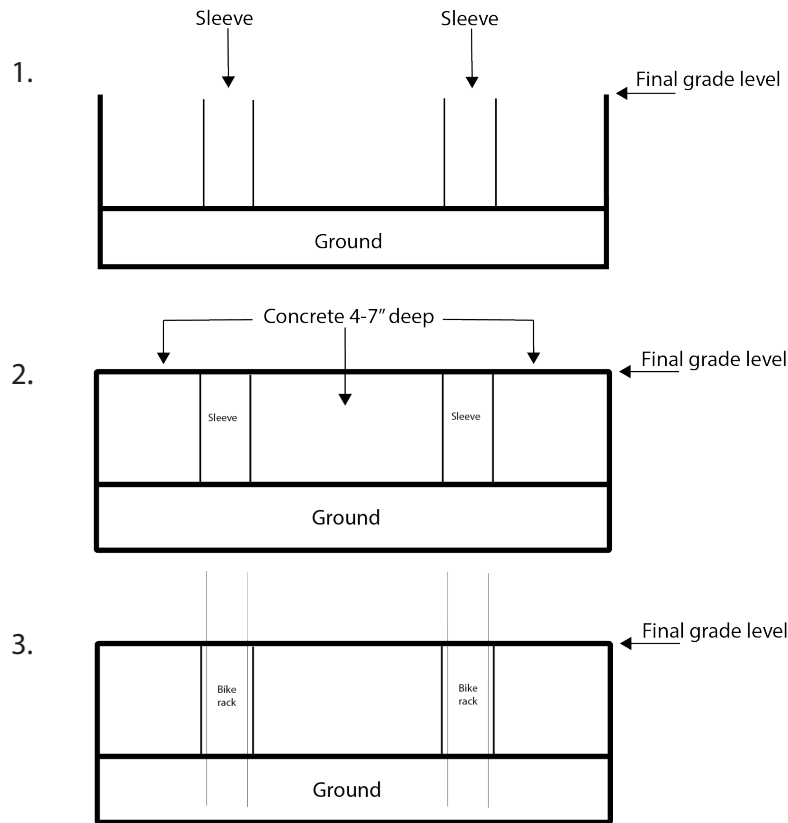
TOOLS NEEDED (NOT PROVIDED)

- Level
- Cement mixing tub
- Shovel
- Hole coring machine with 4" bit
- Material to build brace - two 1 x 4" board (see diagram at bottom of instruction sheet)
- Access to water and hose
- Trowel
- Sand

INSTALLING INTO EXISTING SIDEWALK

1. Core drill holes no less than 3" diameter (4" is recommended) and 10" deep into sidewalk or concrete pad spaced appropriately for the rack being installed.
2. Insert racks into holes, make sure bicycle rack is level and at an appropriate height.
3. Use epoxy grout or anchoring cement and allow time for this to set (see install tip below).

INSTALLING INTO NEW CONCRETE PAD



1. Using a corrosion resistant sleeve, core holes no less than 3" diameter (4" is recommended) and 10" deep into sidewalk or concrete pad spaced appropriately for the rack being installed.

2. Sleeve tip should be at the same level as finished concrete surface.
3. Place sand into fill sleeve to prevent from filling with concrete.

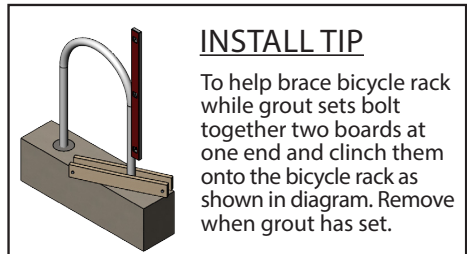
4. Mix concrete in cement mixing tub.
5. Pour concrete (4-7" deep) and allow time to cure.

6. Once concrete has cured, dig sand out from sleeves.
7. Insert racks into holes, make sure bicycle rack is level and at an appropriate height
8. Use epoxy grout or anchoring cement and allow time for this to set (see install tip below).

Please Note:
Bicycle rack should be at least 32" above the surface. Less than 32" high the bicycle rack will not support bikes adequately.



For questions about installation, call Parkitect at 763-452-0468
Manufactured in Isanti, MN





Installation Instructions - Flange

PARTS

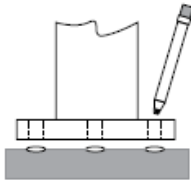
- Bike rack
- Anchor bolt kit
- Washers for leveling

TOOLS NEEDED

- Hammer
- Hammer drill
- Masonry drill bit
- Level
- Wrench
- Marker or pencil
- Safety glasses

FLANGE MOUNT INSTALL INSTRUCTIONS

1.

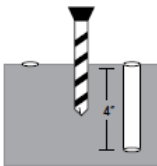


Mark drill holes

- A. Place bicycle rack in the location, use your spec sheet drawing as a guide for spacing.
- B. Use a marker or pencil to outline each of the bolt holes in the flange mount onto the install surface.

* Make sure the holes are 3" away from any cracks in the surface material

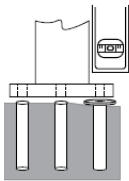
2.



Remove bike rack and drill pilot holes

Remove bicycle rack from the marks and use your guides to drill 4" deep pilot holes.

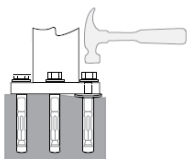
3.



Level rack using washers if necessary

Replace the bicycle rack over the drilled holes, use washers to level the bicycle rack.

4.



Tap in anchors with hammer using anchor instructions

Tap the anchor bolts into the holes with the hammer.

* Install washers and nuts to anchor kit specifications.



PARKITECT PROVIDES THESE SERVICES:

Custom Design

Our design team is here to help custom design a new or current green space area. Our highly trained team will do a complimentary site evaluation to help plan the perfect mix of outdoor site furnishings. Contact us for an on-site or a remote meeting. Parkitect can help you maximize your outdoor space by looking at traffic flow and congestion, while minimizing costs.

CAD layouts

Do you already have a CAD drawing for your space or do you need help? Our CAD team will provide you with a free layout utilizing your space to safely weave people, board and bikes.

Installation services

For major projects, installation can be as challenging as designing or building. Parkitect can provide installation services for high volume projects at most any location nationwide.

Web orders: Parkitect offers many bike racks for purchase on our website. Not seeing what you are looking for? Give us a call at 763-452-0468 and we can design and build just about anything you can come up with. We are here to make your vision come alive.

Shipping: Shipping costs will be figured once your order is placed on our website. For special orders it will be figured as part of the order bid. Large orders that need to be shipped freight will be shipped by FedEx and smaller orders will ship by UPS. If you have any questions please reach out to Parkitect at 763-452-0468.

Warranty: Parkitect warranties all of our bike racks for 1 year from the date of purchase and will stand behind any manufacturer defects. Once the product has been installed this warranty does not cover vandalism of any of our products.

Returns: Custom orders are not returnable. Orders placed on our website are returnable within 30 days of receiving the product and must be in the same condition as when shipped. Returns on products that have been mounted in the ground or show mounting products (concrete, epoxy or any type of adhesive) are not returnable unless you have authorization in writing from a Parkitect representative. Purchaser is responsible for return shipping costs.

Questions: We are here to help you. If you have any questions on any product purchased through Parkitect please give us a call at 763-452-0468. Our hours are 7:30am -3:30pm Central Standard Time. If you are calling outside of these hours please leave a detailed message and someone will return your call during normal business hours.