

sportworks^o



| Bicycle Parking

Building great infrastructure for a more mobile tomorrow

Contents

Contents	02
About Us	03
Great Bicycle Parking	04
Space Use	06
Resources	10
Vertical Parking	11
Two-Tiered Parking	14
Horizontal Parking	17
Streetscape Mobility Solutions	22
Custom Racks	24
Bicycle Lockers	25
Accessories	26
Mounting Options	28
Contact Information	31



Declare.

About Us



Who We Are:

Sportworks® has been making the world bicycle-friendly since 1993 by designing and manufacturing the industry's first widely adopted Bike-Rack-For-Buses™. Since then, our company has grown. We continuously improve and update our vehicle racks and have developed bicycle racks to be used inside of bus rapid transit and rail systems. Our bicycle parking products are just as innovative as our vehicle racks. For example, our No Scratch® bicycle racks are the first racks with a fully integrated, non-abrasive bumper that protects bicycles. You can find our products on city streets, college campuses, and inside bike rooms, as well as on transit buses, railcars, and ferries.

Mission:

Our goal is to design and manufacture innovative bicycle parking and vehicle rack products that facilitate and support multi-modal transportation solutions. We design products that have the highest performance and the lowest total cost of ownership over the lifetime of the product. Our products are easy to use, easy to maintain, and are durable.

Business and Manufacturing Commitments:

At Sportworks®, all of our vehicle racks meet Buy America requirements. Our No Scratch® bicycle parking products conform to the strict material sourcing criteria of the Living Building Challenge, and all of our bicycle racks qualify for LEED. We are dedicated to promoting micro-mobility and multi-modal transportation infrastructure while employing sustainable business practices.

Advocacy:

Sportworks® is passionate about making communities more livable by providing solutions for multi-modal transportation. We also love bicycles and making the world a more bikeable place. To this end, we enjoy working with the following advocacy groups: Association of Pedestrian and Bicycle Professionals (APBP), Cascade Bicycle Club, League of American Bicyclists, People For Bikes, Street Trust, and many others.

What Makes Great Bicycle Parking?



A great bicycle rack will:

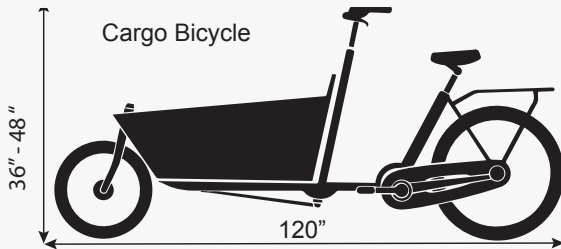
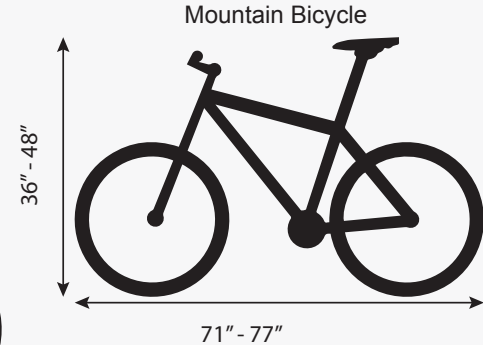
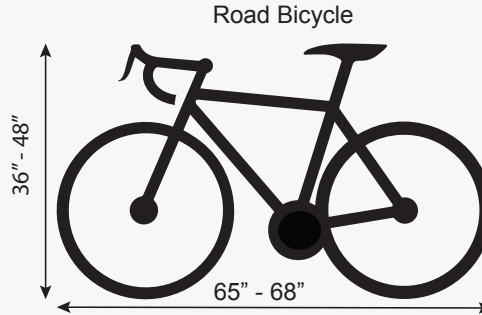
- » Provide two points of contact between the bicycle and the bicycle rack
- » Allow a U-Lock to capture the frame and one wheel*
- » Accommodate all common bicycle styles and be easy to use for all cyclists
- » Be easily identifiable as a bicycle rack

*Best locking practice is to lock the frame and one wheel with a u-lock and to use a cable lock to secure the second wheel.

Location is everything. Observe where cyclists currently park. If no racks are provided cyclists will lock to any secure object. Cyclists will prefer to lock their bicycles near main entrances. Highly visible bicycle parking helps deter bicycle theft.

Common Bicycle Dimensions

Width: dependent on handlebar
Road bicycles: 16" - 19"
Mountain Bicycles: 28" - 38"
Cargo Bicycles: 36"



Cargo bicycles are becoming increasingly popular and vary greatly in dimensions depending on the style of the bicycle. Cargo bicycles are compatible with most of our bicycle racks, but will need additional space. If you have specific concerns regarding spacing requirements for cargo bicycles please contact our sales team: salesandsupport@sportworks.com.

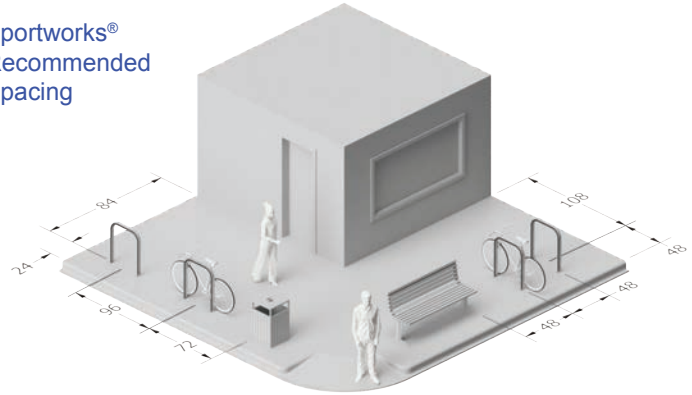
There are a multitude of different styles, shapes and sizes of bicycles, just as there are a multitude of different cyclists. The goal of bicycle parking is to provide safe and secure parking solutions for as many different types of cyclists and bicycles as possible.

Bicycle Parking Space Use

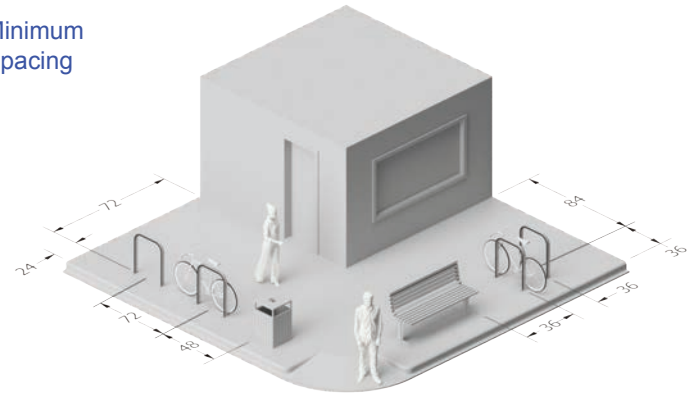
Street Side Parking: Spaces and Setbacks

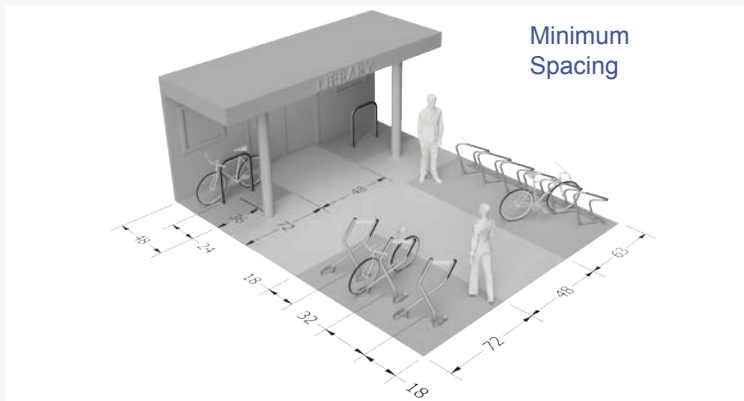
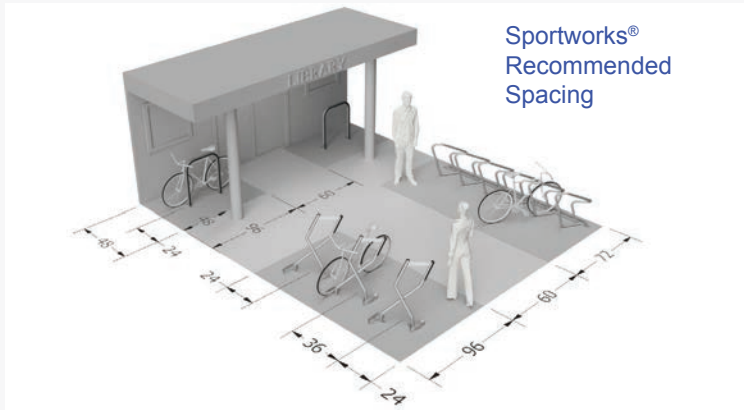
- » Great street side bicycle parking is safe, accessible, and keeps the sidewalks clear for pedestrian travel
- » Arranging street side parking to allow recommended spacing helps make sure bicycle racks are easy to use and work as designed
- » Many local governments will specify minimum spacing and set-back requirements

Sportworks®
Recommended
Spacing



Minimum
Spacing



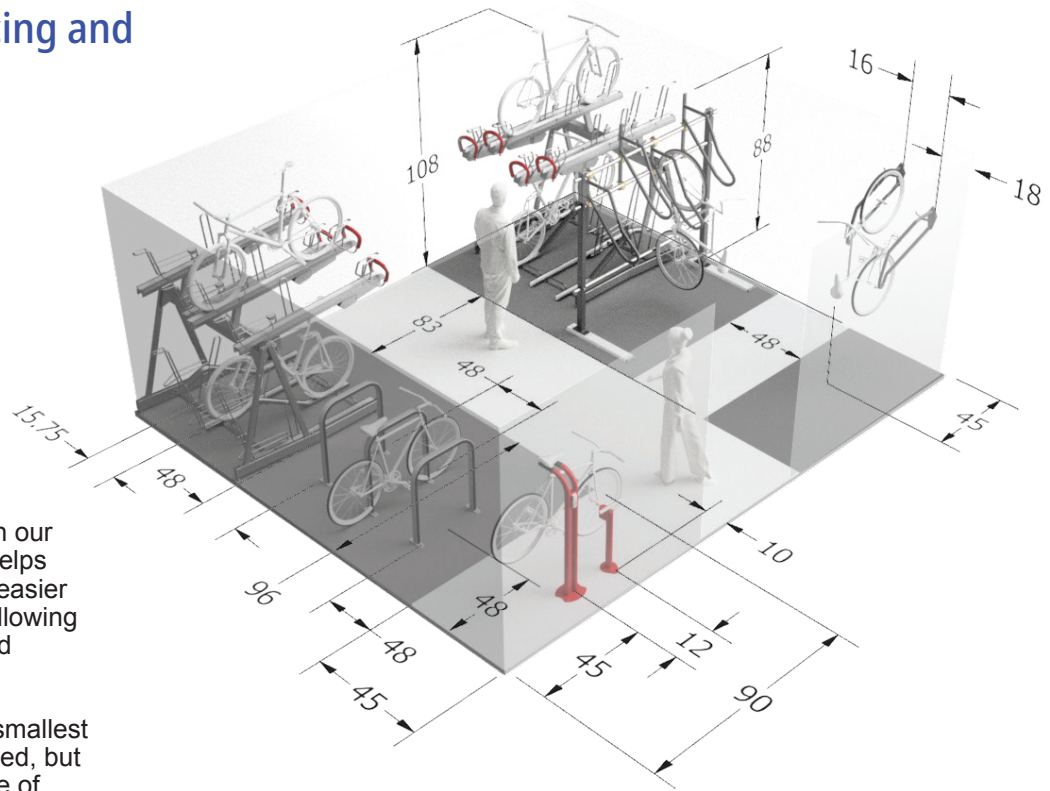


Outdoor Bicycle Parking: Plaza Spacing and Setbacks

- » Bicycle racks are conveniently placed near the front of the building providing highly visible parking
- » Proper space use and high density bicycle racks allow for clean and easy to use bicycle parking without cluttering walkways
- » Providing covered parking protects bicycles from the elements
- » Placing bicycle racks in a well lit area helps improve the security for both bicycles and people

Bicycle Room: Spacing and Setbacks

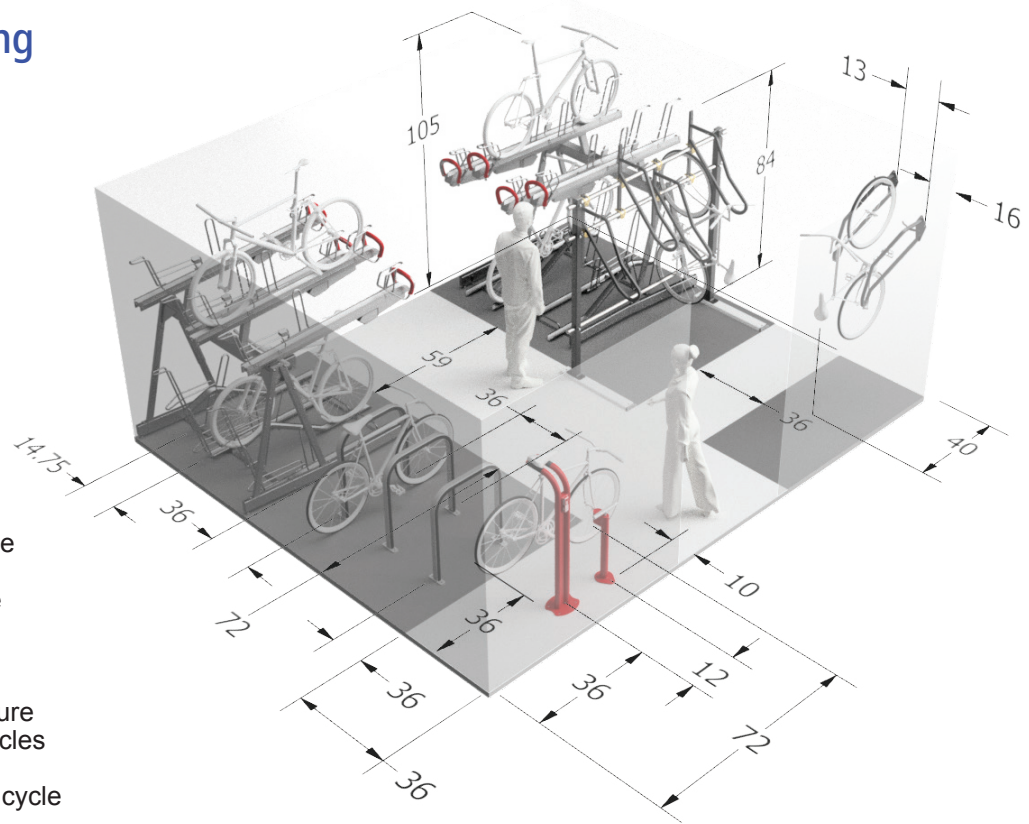
Sportworks®
Recommended
Spacing



- » Designing your room with our recommended spacing helps make your bicycle room easier to navigate and use by allowing more space for aisles and between bicycles
- » Minimum spacing is the smallest footprint and space needed, but comes at the cost of ease of use and accessibility

Bicycle Room: Spacing and Setbacks

Minimum Spacing



- » Great bicycle rooms provide both horizontal and vertical parking options to increase parking accessibility
- » Providing a bicycle repair stand and pump helps ensure cyclists can keep their bicycles rolling and are desired accommodations for any bicycle room

Resources

Sportworks® has all the resources you need to design your next bicycle room, outdoor parking plaza, or street side solution.



Lunch and Learn

Lunch and Learn Program:

- » Earn AIA credit
- » Learn about APBP standards, the Declare Program/Living Building Challenge, and LEED requirements
- » Get hands on experience and have all your bicycle parking questions answered



Bicycle Parking Layout

Bicycle Parking Layout

We can design your bicycle room
Our layouts are:

- » Professionally engineered
- » We can work with you to follow local building code regulations and city ordinances
- » Follow APBP best practices



Bicycle Parking Consultation

Bicycle parking Consultation

We can help you optimize a bicycle parking area during the design phase, before the floor plans have been finalized. We will provide input for optimizing the available space in the area, including recommendations for placement of doors, restrooms, lockers, and other room structures.

Vertical Parking



When you have limited floor space but need to accommodate many bicycles, we offer efficient and space saving bicycle racks for you.

High
Capacity
Racks





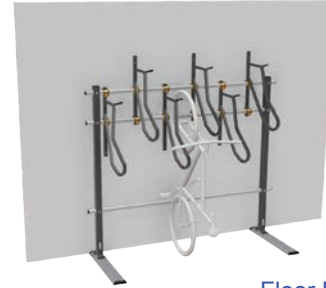
Vertical+ No Scratch[®] Bicycle Racks



Direct Wall Mount



Wall Mount



Floor Mount

- » Easy to use, accessible and work for most types of bicycles
- » Floor Mounted racks help create high capacity parking when there is no clear wall to mount bicycle racks to
- » Available both in a single sided and double sided configurations

- » Bicycle racks can be staggered allowing for greater bicycle density and limiting bicycle to bicycle interference
- » Optional No Scratch[®] bumpers help protect bicycles from being scratched

- » Endless installation options
- » Wall Mounted and Floor Mounted racks can be daisy chained to create long runs for high capacity parking

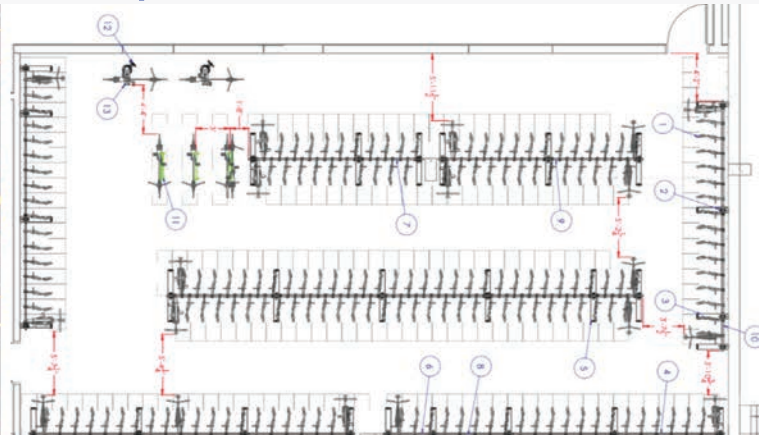
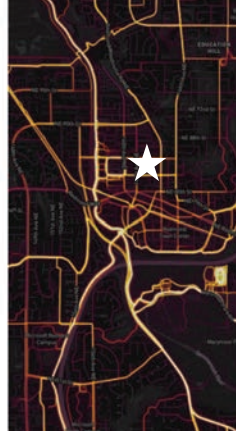
Our Vertical+ racks are fast to assemble, have infinitely adjustable spacing, are available with an optional integrated locking cable, and are compatible with a standard U Lock to offer the highest security possible. Custom colors are available.

The Ava In Esterra Park



- » Indoor Long-Term Bicycle Parking and Outdoor Short-Term Parking
- » High capacity bicycle rooms
- » Bicycle Capacity = 192
- » 186 Vertical+ No Scratch® Racks with 16" spacing
- » 4 Inverted U Racks for non-lifting accessibility

The bicycle rooms at The Ava are all accessible via the parking garage and are secured with a fob system.



Two-Tiered Parking: VelopA



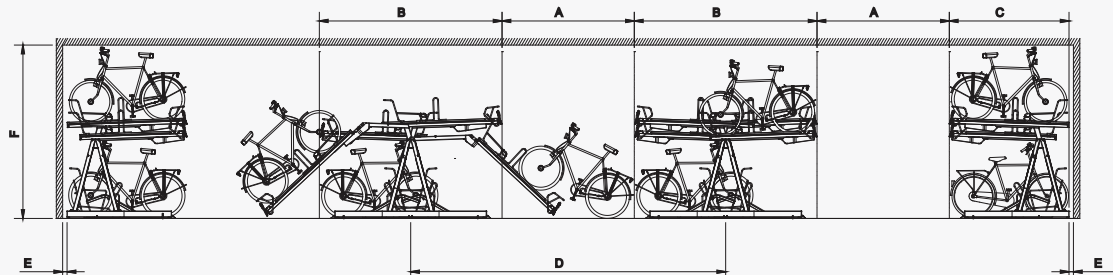
Easylift Premium



CapaCITY

VelopA makes the industry's premier two-tiered bicycle parking products offering easy to use, durable, and extremely space efficient solutions. VelopA racks are suitable for both indoor and outdoor use.

Detailed Space Requirements



A-REC.		A-MIN.		B		C		D-REC		D-MIN		E		F-REC.		F-MIN.	
US	Metric	US	Metric	US	Metric	US	Metric	US	Metric	US	Metric	US	Metric	US	Metric	US	Metric
82.7"	2100	59"	1500	114.2"	2900	74.8"	1900	196.8"	5000	173.2"	4400	.78"	20	108.3"	2750	105"	2667

Commercial Wall-Mount Bicycle Racks



Space efficient solutions for multi-use storage facilities.

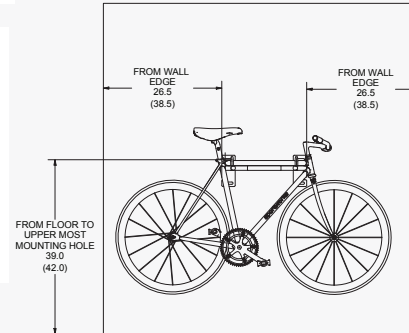
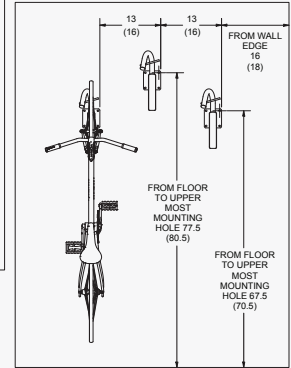
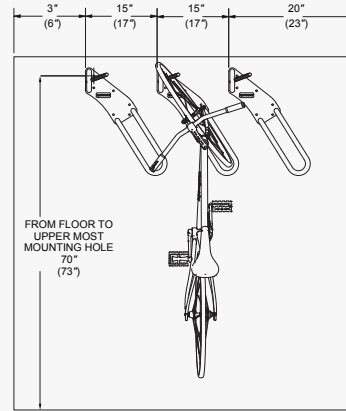
Angled Hook



Crossroads



Interbay



* A note on dimensions: minimum dimensions are placed above the recommended dimensions. Recommended dimensions are in ().

Horizontal Parking



Our horizontal bicycle racks set the standard for bicycle parking. Our premium products feature a No Scratch® bumper that protects bicycles. All of our bicycle racks allow the frame and a wheel to be U locked to the rack for maximum security.

No
Scratch®
Racks



Horizontal No Scratch® Bicycle Racks



Sportworks No Scratch racks set the standard for bicycle parking aesthetics and superior functionality. All of our No Scratch participate in the Declare program.



Tofino

Cane Detectable
Tofino

Oahu

Westport

Omnium

- » Our Tofino, Oahu and Westport No Scratch® horizontal racks are made with rectangular tubing making the rack more resistant to theft
- » Our Cane Detectable Tofino helps make sidewalks more accessible and navigable for everyone
- » The No Scratch® Santoprene® is fully incorporated into the construction of the bicycle rack
- » Santoprene® is an extremely tough, UV stable, fade and crack resistant material and is 100% recyclable

Declare. 

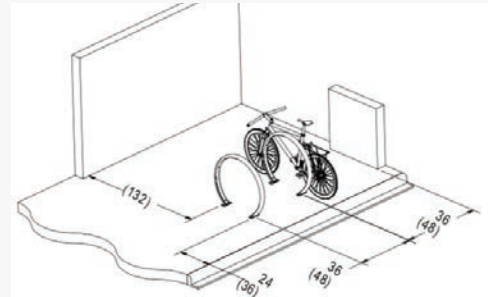
We recommend stainless steel racks with a bead blast finish. Also available in custom colors.

The Hangar At Town Square



- » Outdoor Short-Term Parking
- » Bicycle capacity = 14
- » Easily accessible near the front entrance of the building
- » 7 Oahu No Scratch® Racks
- » Available to the public

Easy to use bicycle parking helps make The Hangar a more accessible community gathering place.



Omnium No Scratch®

Designed to provide clean and orderly bicycle parking in high density locations, the Omnium is:

- » Durable
- » Easy to use
- » Highly secure
- » U-Lock compatible

The Omnium features No Scratch® bumpers, wheel wells that help cradle parked bikes, has 3 points of contact, and has 7° of bicycle lean so bicycles are fully supported when parked on the bicycle rack.

Staggered design minimizes bike-to-bike interference, entanglement and allows all bikes to be parked facing the same way without creating handlebar interference.





Plaza™ Double Sided

- » Double sided bicycle rack designed to provide high density parking with minimal bicycle to bicycle interference and a space efficient footprint



Plaza™ Single Sided

- » Single sided bicycle rack designed to accommodate narrow spaces, sidewalks, or to be placed adjacent to a building
- » The bicycle rack needs no clearance between the rack and a building/wall



Plaza Jr™ Single Sided

- » The Plaza Jr comes in both a single sided and double sided version and can accommodate both adult and youth sized bicycles
- » It is the perfect solution for playgrounds and elementary schools

Plaza™ High Density Bicycle Rack



Our Plaza High Density Bicycle Racks provide organized, intuitive, and space efficient bicycle parking.

Streetscape Mobility Solutions



Sportworks has teamed up with DeziGNLINE to create the Mobility Hub: the most universal, visible, and durable on-street infrastructure available for all micro-mobility vehicle types. The Mobility Hub provides optimal parking for scooters and bicycles, including bike share and scooter share programs.



Commercial Horizontal Bicycle Racks



Our commercial bicycle racks are tried and true favorites. Racks are available in the following options: galvanized steel, stainless steel, plascoat, powder coat, surface mounted or embedded.



Heavy Duty
Inverted U



Post Rack



Square Tube
Narrow
Inverted U



Square
Tube Wide
Inverted U



Square Tube
Circular Rack



Municipal
Rack

Our Municipal Rack comes in many different variations. If you need specific dimensions please contact our sales team and we will make sure you get what you need: <https://www.sportworks.com/parking-quote>

Custom Bicycle Racks

Bring your bicycle parking project to life with our custom color and sign plate options.



Chemical Laser
Marking



Sign Plate
Cut-Out



Custom
Color

We have a variety of ways to customize your bicycle racks from custom sign plates to colors. For more information contact our sales team: <https://www.sportworks.com/parking-quote>

Bicycle Lockers



Single
Bicycle
Locker



Wedge
Bicycle
Locker



Double
Bicycle
Locker



Vertical
Wedge
Bicycle
Locker



Bicycle lockers offer long-term storage and protection from the elements for bicycles. Lockers are a great addition to any indoor or outdoor bicycle parking solution.

Bicycle Parking Accessories



Complete your bicycle parking solution by providing a bike pump as well as a work stand that includes commonly used tools for minor repairs and adjustments.



Outdoor
Public
Bike
Pump



Deluxe
Public
Work
Stand



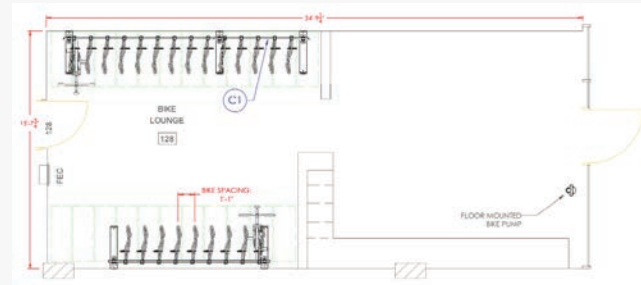
Public
Work
Stand

Vida Apartments



- » The Cycling Hub, is easily accessible on the ground floor of the Vida apartment building
- » Bicycle capacity of the Cycling Hub = 23
- » Each parking space is designated with a number
- » The Cycling Hub has a bicycle maintenance room complete with repair stand, work benches, and a vending machine containing essential bicycle parts
- » The Cycling Hub is accessible via key card

Including extra bicycle amenities and designated parking spaces elevates Vida Apartment's Cycling Hub to a VIP experience.



Mounting Options



Mounting Rails

- » Allow for easier movement of racks if racks will be used for events, seasonal parking, etc. Racks are not required to be secured to the ground
- » Versatile and adaptable based on site and requirements (perpendicular or angled parking with most Sportworks® inverted U style rack)
- » 6-10 bicycle configurations per set of rails
- » Rails can be secured to the ground if desired



Mounting Hardware

- » We have a variety of mounting hardware options for all our products
- » We will consult with you to determine the best hardware for your specific application
- » Check out our website for more specific information or talk with one of our bicycle parking specialists
- » www.sportworks.com/howto

Surface Mount

This mount type uses mounting feet and appropriate hardware to anchor the rack to the ground. Sportworks recommends using tamper-proof hardware for greater security.



Embedded Mount

This mount type can be done by either installing the rack before concrete is poured, or by drilling into the concrete after it has set and adding additional grout.



Tamper-Resistant Hardware

If the bicycle racks will be bolted to the surface, we recommend the use of breakaway nuts or other security hardware.



Wall Mount

Special mounting hardware will be required for various wall surfaces: concrete, dry-wall, etc. Our experts can assist you in selecting the right hardware for your installation.



Mounting Options

Sportworks recommends that our surface mounted bicycle racks be installed with tamper resistant anchors. When the substrate is concrete, we recommend stainless steel wedge anchors with stainless steel breakaway nuts, also known as shear nuts. These nuts make it much more difficult for someone to tamper with or remove an installed bicycle rack.

How Tamper Resistant Nuts Work



Breakaway Nut Pre Installation

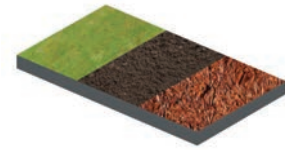
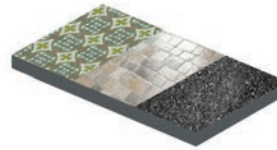
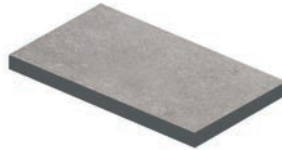
The breakaway nut consists of a hex nut portion at the top and a smooth conical sleeve located just below. Install the wedge anchor using standard tools and then tighten the breakaway nut.



Breakaway Nut Installed

The hex portion of the nut will shear off when the design shear torque is exceeded. Once the hex nut shears off, only the smooth conical sleeve will remain. The tamper resistant anchor is now installed. The cone is shaped so standard tools will not be able to grip and remove the nut.

Mounting Surfaces



Concrete

- » One of the most common bicycle rack mounting surfaces for both horizontal and vertical bicycle racks
- » Both embedded and surface mounts options are available
- » Scanning may be necessary when mounting racks in a structure with post tension concrete slabs

Information about mounting bicycle racks on other surfaces such as plywood and drywall can be found on our website: <https://www.sportworks.com/howto>

Tile, Pavers, and Asphalt

- » Removing a portion of tiles, pavers, or asphalt and installing concrete footings to embed or surface mount racks is preferred
- » Mounting rails are an alternative solution to install bicycle racks
- » Surface mounting rails to concrete footings provides a secure and cost effective solution that requires less digging and less concrete

Soft Surfaces

- » Digging into soft surfaces and installing concrete footings to embed or surface mount racks is the most secure option
- » Mounting rails are an alternative solution and work great if the goal is to provide temporary or seasonal bike parking



Contact Information

- » Phone: 888-661-0555
- » Email: salesandsupport@sportworks.com
- » Website: www.sportworks.com
- » Address: 15540 Woodinville Redmond Rd NE, Bldg A-200, Woodinville, WA 98072
- » Quote Request Form: <https://www.sportworks.com/parking-quote>
- » Consultation and Layout Requests: <https://www.sportworks.com/planning-and-layouts>
- » Lunch and Learn and Webinars: <https://www.sportworks.com/parking-webinars>



Declare. 

sportworks®