

GUIDE SPECIFICATIONS FOR THE THE PARK AND FACILITIES U BIKE RACK

SECTION 02871 BIKE RACKS

These specifications were current at the time of publication but are subject to change at any time without notice. Please confirm the accuracy of these specifications with the manufacturer and/or distributor prior to installation.

PART 1 GENERAL

1.1 Summary

- A. This section includes specifications for the U Bike Rack.

- 1. Bikes parked per unit: 2

1.2 Quality Assurance

- A. **Installer Qualifications:** An experienced installer who has completed installation of bicycle racks similar in material, design, and extent to that indicated for this project and whose work has resulted in construction with a record of successful in-service performance.
- B. **Manufacturer Qualifications:** A firm experienced in manufacturing bicycle racks similar to those required for this project and with a record of successful in-service performance.
- C. **Source Limitations:** Obtain each color, finish, shape and type of bicycle rack from a single source with resources to provide components of consistent quality in appearance and physical properties.
- D. **Product Options:** Drawings indicate size, shape and dimensional requirements of bicycle racks and are based on the specific system indicated.

1.3 Submittals

- A. **Product Data:** Include physical characteristics such as shape, dimensions, bicycle, material parking capacity and finish for each bicycle rack.
- B. **Shop Drawings:** Show installation details for each bicycle rack.
- C. **Samples for Verification:** Submit finish samples for review and verification.
- D. **Maintenance Data:** For each bicycle rack.

- 1. Include recommended methods for repairing damage to the finish.

1.4 Delivery, Storage and Handling

- A. Upon delivery, before signing for shipment, inspect for any damages and notate on the B.O.L.
- B. Store bicycle racks in original undamaged packages and containers until ready for installation. Handle bicycle racks with sufficient care to prevent any scratches or damage to the finish.

PART 2 PRODUCTS

2.1 Acceptable Manufacturers

A. Provide bicycle racks manufactured by The Park and Facilities Catalog, 3350 NW Boca Raton Blvd., Suite B2, Boca Raton, FL, 33431 1-800-695-3503 www.theparkcatalog.com

2.2 Materials

- A. 1.5" schedule 40 uncoated pipe (1.90" OD)
- B. Installation Methods: In-ground mount is embedded into concrete base. Flange mount has two 2.5" x 6" x .25" feet - 4 anchors. In-ground mount, foot mount, and rail mount models are available.
- C. Rail Racks: u's are bolted to two parallel rails. u's can be left free standing or anchored to the ground. See Rail Racks section below. Rail material is AISI C3 x 4.1 steel channel.

2.3 Finishes

- A. A hot-dipped galvanized finish performed after fabrication is standard.
- B. Over 250 high quality TGIC powder-coated colors are available from The Park and Facilities Catalog
 - 1. A TGIC powder coat finish is available.
 - 2. For powder coated/ painted racks, the following specifications are required: Part is prepared for painting with hard sandblasting. An epoxy primer is electrostatically applied. A final TGIC, UV resistant polyester powder coat is applied. Final coating mil thickness shall be no less than 6 mils.
- C. A 304 grade stainless steel finish is also available. Either a satin #4 finish or high luster electropolish finish. Both finish options include the Spectra Shield finish for maximum corrosion protection.
- D. Six durable thermoplastic colors are available.
- E. A rubbery PVC dip is available in many colors. Black is standard.

2.4 U Bike Rack

- A. Setbacks
 - 1. Wall Setback: For u's set parallel to the wall, a minimum of 24" should be left between the wall and the rack. 36" is the recommended setback. For u's installed perpendicular to the wall, a 28" setback is the minimum distance. 36" is recommended.
 - 2. Distance Between Racks: 24" is the minimum distance between racks. 36" is recommended.
 - 3. Street Setback: 24" is the minimum distance between the street and the rack. 36" is recommended.
 - 4. The foot-mounted U Rack has a 2.5" x 6" x .25" foot which is installed onto a concrete base with 4 masonry anchors. The foot-mounted U Rack is generally less expensive to install and easier to remove than the in-ground mount model, while still maintaining the same degree of security.
- B. Rail Racks

1. Rail-mounted u's are standard foot-mounted U Racks attached with bolts to a rail in the configurations from 3 to 7 u's. Rail racks provide more flexibility than mounted racks, but still provide the same degree of security.
2. Rail-mounted u's can be left either free-standing or can be anchored to the ground using several anchors. This portability allows for easy snow-removal or sweeping. It also means installation is much less expensive than imbedded bike racks.
3. The Advantages to rail-mounted racks are:
 1. Easier and inexpensive installation
 2. Can be left freestanding or anchored to the ground
 3. Can be easily removed
4. Rail Racks are commonly used where snow removal/sweeping is an issue, or when no suitable base material is available.

PART 3 EXECUTION

3.1 Installation

- A. Installation Method
 1. In ground mount
 2. Surface mount
 3. Rail-mounted (free standing)
 4. It is the responsibility of the installer to ensure that all base materials into which the rack will be installed can support the rack and will not be damaged by any required installation procedures.

3.2 Ordering Information

- A. When ordering or specifying this rack, make sure the product type, finish and fastener type (if applicable) are included. Contact your Park and Facilities Catalog representative for a current price list or to place an order.
- B. Included in the price is either a hot-dipped galvanized finish, a TGIC powder coat finish, or a stainless steel finish. The foot-mounted and Rail Rack u's include 4 wedge anchors or concrete spikes.

3.3 Freight

- A. Call 1-800-695-3503 for freight quotes.