

**GUIDE SPECIFICATIONS FOR THE PARK CATALOG 3, 5, 7, 9, 11, 13 AND
13 BIKE WAVE RACKS**

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

Summary 1.1

- A. This section includes specifications for the Bike Rack.
- B. Bikes parked per unit:
 - 1. 509-2027, 509-2028: 3 Bikes
 - 2. 509-2022, 509-2029, 509-2034: 5 bikes
 - 3. 509-2023, 509-2030, 509-2035: 7 bikes
 - 4. 509-2024, 509-2031, 509-2036: 9 bikes
 - 5. 509-2025, 509-2032: 11 bikes
 - 6. 509-2026, 509-2033: 13 bikes

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 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
- C. 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. 2.375" OD Schedule 40 Pipe per ASTM A53
- B. In ground Wave Racks have a 3/8" x 3" steel rod welded to the bottom to ensure the rack doesn't pull out after the concrete cures.
- C. Surface mount Wave Racks have two 5.5" x 5.25" x .25" feet.

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. 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 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.

2.4 Wave Bike Rack

- A. Space Use
 1. Bikes will be locked perpendicular to the Wave Rack as shown in the diagrams. When bikes are locked to it, the Wave Rack will use approximately the amount of space listed in the installation diagrams.

2. To ensure that the Wave Rack is convenient and safe for bicyclists, use these minimum space use configurations when installing a Wave Rack next to a wall or street, or if you are putting several Wave Racks next to each other.

B. Setbacks

1. Wall Setback: A minimum of 27" should be left between the wall and the rack. 36" is the recommended setback.
2. Street Setback: For racks running parallel to the street, a 96" setback is recommended. For racks installed perpendicular to the street a 24" setback is the minimum setback distance between the street and the rack. 36" is recommended.
3. The foot-mounted Wave Rack has a 5.5" x 5.25" x .25" plate which is installed onto a concrete base with 4 masonry anchors. The foot-mounted Wave Rack is generally less expensive to install and easier to remove than the in-ground mount model, while maintaining the same degree of security. 3/8" anchors are the standard anchor shipped with this rack.

PART 3 EXECUTION

3.1 Installation

- A. Installation Method: In-ground mount is embedded into concrete base.
- B. Flange mount has two 5.5" x 5.25" x .25" feet plates - 8 anchors.
- C. 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.

3.3 Included with every Bike Rack

- A. Included in the price is a hot-dipped galvanized finish. The foot-mounted Wave Rack includes 8 wedge anchors or concrete spikes.

3.4 Freight

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