Wave Style Bike Rack Heavy Duty
Guide Specifications

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
• This section includes specifications for the Heavy Duty Wave Style Bike Rack.
• Bikes parked per unit
  1. 2-Hump: 5 bikes
  2. 3-Hump: 7 bikes
  3. 4-Hump: 9 bikes
  4. 5-Hump: 11 bikes
  5. 6-Hump: 13 bikes
  6. 7-Hump: 15 bikes

1.2 Quality Assurance
• 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.
• 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.
• 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.
• Product Options: Drawings indicate size, shape and dimensional requirements of bicycle racks and are based on the specific system indicated.

1.3 Submittals
• Product Data: Include physical characteristics such as shape, dimensions, bicycle parking capacity and finish for each bicycle rack.
• Shop Drawings: Show installation details for each bicycle rack.
• Samples for Verification: Submit finish samples for review and verification.

PART 2 PRODUCTS

2.1 Acceptable Manufacturers
• Provide bicycle racks manufactured by the Bike Rack Company, 525 South Flagler Drive Suite #200 West Palm Beach, FL 33401. Phone: 1-800-689-9078. Fax: 1-561-336-6159. Website: www.BicycleParkingRacks.com

2.2 Materials
• 2” Schedule 40 Steel Pipe (2.375” OD) per ASTM A53/A53M
• In-ground Wave Style Bike Rack have a 1/2” x 6” steel rod welded to the bottom to ensure the rack doesn’t pull out after the concrete cures.
• Surface mount Wave Style Bike Racks have two circular plates (0.25” x 6” OD with four 9/16” mounting holes).

• Maintenance Data: For each bicycle rack.
  1. Include recommended methods for repairing damage to the finish.

1.4 Delivery, Storage and Handling
• Upon delivery, before signing for shipment, inspect for any damages and note on the Bill-of-Lading (B.O.L).
• 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.
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2.3 Finishes
- Galvanized
  1. A hot-dipped galvanized finish performed after fabrication is available as an option.
- Powder Coat
  1. Ten (10) high quality powder coated colors are available.
  2. For powder coated racks the following process is followed:
     a. Sanded down to prep it for painting
     b. Washed/Dried to prep it for painting
     c. Zinc primer is applied
     d. Powder coat color is applied
     e. UV Clear Topcoat is applied

2.4 Wave Bike Rack
- Space Use
  1. Bikes will be locked perpendicular to the Wave bike rack as shown in the installation 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 bike rack is convenient and safe for bicyclists, use the minimum space use configurations when installing a Wave bike rack next to a wall or street, or if installing several Wave bike racks next to each other.
- Setbacks
  1. Wall Setback: A minimum setback of 24” should be left between the wall and the rack. The recommended setback is 36”.
  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. The recommended setback is 36”.

PART 3 EXECUTION

3.1 Installation
- In-ground mount – embedded into concrete.
- Surface mount – mounted to the surface.
- 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.
- Generally the surface mounted bike rack is less expensive to install and easier to remove than the inground mount bike rack while still maintaining the same degree of security.

3.2 Ordering Information
- When ordering or specifying this rack, make sure the mounting type and finish are indicated. Contact Bike Rack Company representative for a current price list or to place an order.

3.3 Freight
- Call 1-800-689-9078 for freight quotes.