

Specifications for E-bike Charging Horizontal Rack

Division 12 00 00 Furnishings

Section 12 93 00 Site Furnishings

Section 12 93 13 Bicycle Racks

Revision A

These specifications were current at the time of publication but are subject to change at any time without notice.

PART 1 GENERAL

1.01 SUMMARY

- A. This section includes the following electric bike (E-bike) charging racks:
 1. Tofino™ E-Rack, No Scratch® Bike Rack
 2. Tofino™ E-Rack, ADA-compliant No Scratch® Bike Rack

1.02 SUBMITTALS

- A. Provide Submittals in accordance with Section 01 33 00 – Submittal Procedures
- B. Product Data:
 1. Product Brochure and Submittal Sheet
 2. Technical Drawings
 - a. Size, shape, finish
 3. Installation Instructions
 4. Space Use Document in accordance with APBP guidelines
 - a. Mounting and Setback requirements
- C. Shop Drawings: Show details including dimensions, materials, mounting details, and any special requirements.
- D. Samples for Verification: Finish samples of the color and type of powder coat will be provided upon request.
- E. Maintenance Data: For each product include the recommended methods for repairing damage to the powder coat and materials finish will be provided.

1.03 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Sportworks Global LLC (Sportworks)
- B. Installer Qualifications:
 1. Mechanical: An experienced installer who has completed installation of similar bicycle parking racks.
 2. Electrical: A qualified and licensed electrician, licensed in accordance with local and national electrical codes.
- C. Source Limitations: For consistent quality in appearance and physical properties obtain each product from Sportworks.

- D. Product Options: Drawings indicate size, shape and dimensional requirements of furnishings for the purpose of customer sourcing.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Store product(s) in original undamaged packaging and containers until ready for installation.
- B. Handle powder coated product(s) with sufficient care to prevent any scratches or damage to the finish.

1.05 WARRANTY

- A. Bicycle parking racks carry a one-year manufacturer's limited warranty against defects in materials and workmanship. The warranty period begins on the date of invoice.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Basis-of-design: Sportworks No Scratch® Inverted U bike rack equipped with two (2) integrated charging ports. Rack shall incorporate Santoprene® rubber bumper into design construction to protect bikes. The bumper shall offer a constant service temperature range from -60°C to 135°C (-81°F to 275°F) with no cracking or tackiness.
- B. Manufacturer Contact:
Sportworks Global LLC
15540 Woodinville-Redmond Rd NE, A-200
Woodinville, WA 98072
Phone: (425) 483-7000
Email: sales@sportworks.com
Website: www.sportworks.com

2.02 MATERIALS

- A. Outer tube: 2" x 1" x 0.120" rectangular tubing (stainless steel or mild steel).
- B. Inner bar: 0.25" x 2" flat bar (stainless steel or mild steel).
- C. No Scratch® Bumper: Santoprene® TPV.
- D. Mounting Feet: 0.375" x 2" x 6" flat bar, stainless steel.
- E. Electrical Outlets: Qty 2 receptacles rated for 125V/15A MAX each, with IP54 rating when closed.
- F. Electrical Conduit Fitting: 1 3/8" diameter x 11/32" thick with 1/2" NPS opening.
- G. ADA-Compliant cross bar 2" x 1" x 0.120" - available only in stainless steel option.

2.03 Finish

- A. Stainless Steel
 - 1. Bead blast satin finish
- B. Mild Steel
 - 1. Pre-coat:
 - a. Zinc plating (standard)
 - b. Zinc primer
 - 2. Topcoat:
 - a. TGIC Polyester Powder Coat (standard)
 - b. Plastcoat® PPA-571 Thermoplastic Powder Coat

2.04 Dimensions

- A. Length x Width x Height: 28" x 6" x 33"

2.05 Mounting

- A. Surface Mount (0.375" x 2" x 6" flat bar foot)
 - 1. Concrete wedge anchors
 - a. Tamper resistant nuts
 - 2. Asphalt anchors
 - a. Tamper resistant nuts
- B. Mounting Rails
 - 1. Concrete wedge anchors
 - 2. Asphalt anchors

PART 3 EXECUTION

3.01 Examination

- A. Verify the location is indoors (or outdoors covered and protected from elements and moisture). Consult with a certified electrician to ensure correct orientation.
- B. Verify that substrates are stable and capable of supporting mounting options provided.
- C. Verify that substrates have been adequately prepared to securely anchor those items that will be surface mounted.

3.02 Installation

- A. Install in accordance with manufacturer's installation instructions and electrical installation instructions.
 - 1. The electrical installation of the unit must be completed by a qualified, certified, and licensed electrician, ensuring all electrical and ground connections adhere to the National Electrical Code (NEC) and relevant regulations.
- B. Install in conformance to applicable ADA guidelines and end user's established accessibility policies.