

Division 12 00 00 FURNISHINGS

Section 12 93 00 SITE FURNISHINGS

Section 12 93 13 BICYCLE RACKS

Basis of Design:

1. Product: Sportworks Omnium No Scratch® Bike Rack.
2. Description: Sportworks Omnium No Scratch® Bike Rack parks 2 bikes with 11" of front-to-back bicycle offset, to reduce handlebar interference, while No Scratch® bumpers mitigate bike scratches. Three points of contact are provided for each bike: A discrete front wheel tray provides two points, along with a single frame contact point with the No Scratch® bumper. The wheel tray ensures parked bikes stay upright and are orderly. Users can u-lock the front wheel and frame of the bike securely to a steel tube. Rack feet, wheel trays and embedment legs (for embedded racks) are 304L stainless steel to mitigate the potential for corrosion¹. Surface mount rack requires only 2 fasteners for secure installation.
3. Materials: Rack feet: .25" plate (stainless steel or mild steel for hot-dip galvanized racks), wheel trays: .120" plate (stainless steel or mild steel for hot-dip galvanized racks), legs: 1.75" x .083" round tubing (stainless steel or mild steel), crossbar: .25" plate (stainless steel or mild steel) and No Scratch® bumper: Nylon 66. Embedded racks include embedment legs: 1.5" x .083" round tubing (stainless steel or mild steel for hot-dip galvanized racks).
4. Manufacturer: Sportworks Northwest; www.sportworks.com; 425-483-7000; salesandsupport@sportworks.com

Part 1 General

1.01 Summary

A. The Sportworks Omnium No Scratch® Bike Rack parks 2 bicycles horizontally staggered to mitigate handlebar interference, while protecting the bike frame from being scratched. User can lock the front wheel and frame with a u-lock to the rack.

1.02 Submittals

- A. Manufacturer technical drawing.
 - i. Size, shape, and finish.
- B. Installation instructions.
- C. Setback requirements.

1.03 Quality Assurance

- A. Manufacturer Qualifications:
 - i. Minimum 5 years of bicycle rack manufacturing experience.
 - ii. Have manufactured and delivered this style of rack.

1.04 Delivery, Storage and Handling

- A. Inspect shipment upon delivery for freight damage and note complaint with carrier.
- B. Protect bicycle racks during storage and installation.
 - i. Use original packing for storage, if possible.
 - ii. Protect finish of rack from scratches or damage with careful handling.

1.05 Warranty

- A. Provide manufacturer's standard warranty.
 - i. Terms of warranty: 1 year from invoice date against defects in materials and/or workmanship.

¹ Except for racks with a hot-dip galvanized finish.

Part 2 Products

2.01 Manufacturer

A. Provide Omnium No Scratch® bike rack(s) by Sportworks Northwest Inc. in either mild steel or stainless steel with a 2 bike parking capacity per rack.

2.02 Materials

A. No Scratch® bumper: Nylon 66.

B. Legs: 1.75" x .083" Round Tubing (stainless steel or mild steel).

C. Feet: .25" Plate (stainless steel or mild steel for hot-dip galvanized racks).

D. Wheel trays: .120" Plate (stainless steel or mild steel for hot-dip galvanized racks).

E. Crossbar: .25" Plate (stainless steel or mild steel).

F. Embedment legs (embedded rack only): 1.5" x .083" Round Tubing (stainless steel or mild steel for hot-dip galvanized racks).

2.03 Finish

A. Mild steel (with stainless steel feet and wheel trays):

i. Pre-coat options:

1. Zinc rich primer (white semi-gloss smooth primer).

2. Hot-dip galvanize.

ii. Top Coat:

1. TGIC Polyester powder coat.

2. Plascoat PPA-571 thermoplastic powder.

3. Hot-dip galvanize.

B. All Stainless Steel:

i. Bead blasted satin finish.

2.04 Dimensions

A. 35.3" long x 24.5" wide x 34.3" high.

2.05 Mounting

A. Surface Anchor/Mounting Options (all require 3/8" anchors)

i. Concrete wedge anchors.

ii. Concrete wedge anchors with tamper resistant nuts.

B. Embedded in concrete.

2.06 Rack Design Features

A. Rack will allow 2 bikes to be parked.

B. Rack will provide a discreet wheel tray for each bike to promote neat and orderly parking.

C. Rack will provide 3 points of bike stabilizing contact, two by the wheel tray and one by the No Scratch® bumper.

D. Rack will mitigate handlebar interference with 11" of front-to-back bicycle offset.

E. Rack will mitigate bicycle and/or rack scratching with a durable No Scratch® bumper.

F. Rack geometry will allow the bike frame (of the most common commuter bike types) and one wheel to be locked to the rack with a variety of u-lock styles an open area as small as 8" long x 4" wide.

G. Rack feet, wheel trays and embedment legs (for embedded racks only) are made of 304L stainless steel to mitigate the potential for corrosion².

H. Surface mount rack will only require 2 anchors for secure installation.

Part 3 Execution

3.01 Installation

A. Surface Mount:

² Except for racks with a hot-dip galvanized finish.

- i. Install 2 fasteners per rack as designated in manufacturer specifications.
 - ii. Install bicycle rack in accordance with APBP (Association of Pedestrian and Bicycle Professionals) recommendations for location and spacing.
- B. Embedded Mount:
 - i. Rack embedment legs should each be completely embedded in concrete.
 - ii. Install bicycle rack in accordance with APBP (Association of Pedestrian and Bicycle Professionals) recommendations for location and spacing.
- C. The installer is responsible for ensuring the mounting surface and installation method are adequate to safely secure the bicycle rack.