

SECTION 12 93 13 BICYCLE RACKS
SPECIFICATIONS FOR GROUND CONTROL SYSTEMS® 100 SERIES HOOP RUNNER
BICYCLE RACKS

PART 1 GENERAL

1.1 Summary

Section includes written specifications for the HR100 – HR101 – HR126 – HR128 Series Hoop Runner Bicycle Racks.

1.2 Quality Assurance

A. Manufacturer Qualifications:

1. A manufacturer experienced in producing commercial bicycle parking racks similar to the desired specification described for this project.
2. Product Options: The manufacturer will be able to produce several finish and color options, shapes and types of bicycle racks from a single source or from resources able provide product options of like quality in both form and function.
3. Manufacturer Service Options: The manufacturer will be able to present product specific drawings of the bicycle racks size, shape, dimensional requirements, and weight.

B. Installer Qualifications:

Experienced installer has completed installation of bicycle racks similar in specification to that indicated for this project.

1.3 Submittals

- A. *Product Information:* Must contain physical descriptions such as bicycle parking capacity, dimensions, shape, installation hardware requirements, and finish options for each bicycle rack.
- B. *Installation Drawings and/or Installation Video:* Details installation instruction for the designated bicycle rack.
- C. *Product Verification:* Able to Submit finish samples for review and verification upon request.
- D. *Manufacturer's Project References:* Able to provide a minimum of three references for whom the firm provided similar or comparable services during the last 5 years and a description of the services provided.
- E. *Warranty:* Submit manufacturer's standard warranty.

1.4 Delivery, Storage and Handling

- A. *Delivery:* In order to ensure shipments are received undamaged, a thorough inspection must be made and noted on the B.O.L.
- B. *Storage:* Bicycle racks should be stored in their original packages or containers until they are ready for installation.
- C. *Handling:* Before and up to installation, bicycle racks should be handled with sufficient care in order to prevent any finish damage.

1.5 Warranty

- A. *Manufacturers Warranty:* Bicycle racks carry a one year limited warranty against defects in materials and workmanship beginning on the date they are received.

PART 2 PRODUCTS

2.1 Manufacturer

A. Provide bicycle racks manufactured by Ground Control Systems, 708 Alhambra Blvd Suite 200, Sacramento, CA 95816, 1-800-481-8524. Fax: 1-866-532-9049 Web: www.groundcontrolsystems.com

2.2 Materials

- A. *Steel*: HSS 2" square pipe
- B. *In-Ground Mount*: is embedded into concrete base.
Two 3" x 5.5" x .31" each with two .5" square mounting holes.
- C. *Rail Racks*: Racks are bolted to two parallel rails. Racks can be left free standing or anchored to the ground.

2.3 Finishes

- A. DuraPlas® finish
- B. Galvanized finish

2.4 Hoop Runner 100 Series Space Use

- A. Setbacks
 - 1. Wall Setback: For racks set parallel to the wall, a minimum of 24" should be left between the wall and the rack. 36" is the recommended setback. For racks installed perpendicular to the wall, a 34" setback is the minimum distance. 42" 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.

The surface mounted Hoop Runner has two 3" x 6" x .31" flanges which are installed onto a concrete base with 2 concrete style anchors per flange.

- B. Rail Racks
 - 1. Rail-mounted racks have rails attached with bolts to the rail in the configurations from 3 to 4 racks.
 - 2. Rail-mounted racks can be left either freestanding or can be anchored to the ground using several anchors.
 - 3. The Advantages to rail-mounted racks are:
 - a. Easier and inexpensive installation
 - b. Can be left freestanding or anchored to the ground
 - c. 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.

2.5 Product Details

- A. HR100: 2 bike, 1.90" round tube - in ground mount
HR101: 2 bike, 1.90" round tube - surface mount
HR126: 6 bike, 1.90" round tube - rail mount
HR128: 8 bike, 1.90" round tube - rail mount

PART 3 EXECUTION

3.1 Examination

- A. Examine footprint to ensure conditions are adequate for installation. Do not proceed with installation if conditions are not adequate for install. Notify project architect if conditions are unsatisfactory.

3.2 Preparation

- A. Make sure the location of the racks is flat, level, square, accurate for alignment, and correctly located for install of bicycle racks.

3.3 Installation

- A. *In Ground Installation:* Bicycle rack is embedded into concrete a base with provided anchor rods.
- B. *Surface or Flange Mount:* An above ground mount that is anchored to the base material through the product specific flange plate.
- C. *Rail Mounted:* Inverted-U racks are anchored to rails to produce a free standing unit that can hold either 6 or 8 bikes

3.4 Quoting

- A. *Product specification:* Make sure the product item, finish options, fasteners, and expected lead time have been included in estimate.
- B. *Pricing:* Estimates are good for 45 days; contact a Ground Control Systems representative for a current price list.

3.5 Freight

- A. 300 Series Inverted U Bicycle Racks can be shipped UPS and in some cases ship freight, dependent on quantity order. Call Ground Control Systems at 1-800-630-7225 for a freight quotes.

3.6 Purchasing

- A. *Product specification:* Make sure the product item, finish options, fasteners, and expected lead time have been included in estimate.
- B. *Pricing:* Estimates are good for 45 days; contact a Ground Control Systems representative for a current price list if estimate has expired.
- C. *Placing an order:* You can order via phone 1-800-630-7225; email - info@groundcontrolsystems.com. Or, if submitting purchase orders, mail to: 708 Alhambra Blvd, Suite 200, Sacramento, CA 95816.

Additional Questions:

Ground Control Systems
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