

ROLLING RACK

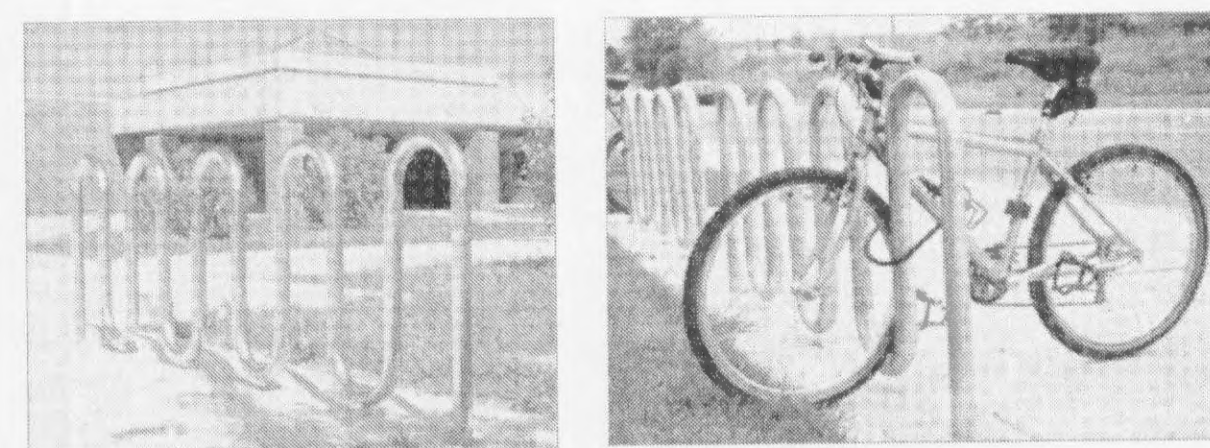
The graceful design and high security of the Rolling Rack has made this type of bike rack a standard for many schools and communities. The Rolling Rack can be used as a single-sided or double-sided bike rack.

The Rolling Rack can be ordered for in-ground or foot mounted installation. This rack uses thick pipe construction and allows for one of the wheels and frame to be secured using a u-style bike lock.

FEATURES

- Attractive design
- Accommodates double sided parking
- In ground or surface mounted
- Various sizes available
- Easy installation

The Rolling Rack is an attractive single or double sided bicycle rack.



DERO BIKE RACK COMPANY
 2637 32ND AVENUE S.
 MINNEAPOLIS, MN 55408
 TEL: 888.337.6729
 FAX: 612.331.2731
 WWW.DERO.COM

Rolling Rack - Specifications and Space Use

Product Name
 Dero Rolling Rack
 As manufactured by Dero Bike Racks

Bikes Parked per Unit:
 RR2H - 5 Bikes
 RR3H - 6 Bikes
 RR4H - 7 Bikes
 RR5H - 9 Bikes
 RR5H - 11 Bikes

Materials:
 2.375" OD Schedule 40 Steel Pipe

Finishes:
 An after fabrication hot dipped galvanized finish is standard. 250TGIC powder coat colors and a stainless steel option are also available.

Our powder coat finish assures a high level of adhesion and durability by following these steps:
 1. Sandblast
 2. Iron phosphate pretreatment
 3. Epoxy primer electrostatically applied
 4. Final thick TGIC polyester powder coat

Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.

A rubbery PVC Dip is also available.

Installation Method
 • In ground mount is embedded into concrete base. Specify in ground mount for this option.
 • Foot mount has two 5.5"x5.25" foot plates with 4 anchors per foot. Specify foot mount for this option.
 • A freestanding option is also available.

SETBACKS

Wall Setback: A minimum of 27" should be left between the wall and the long side of the rack. 36" is the recommended setback.

Street Setback: For racks set parallel to the street, a 96" setback is recommended. For racks installed perpendicular to the street, 24" is the minimum setback. 36" is recommended.

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ROLLING RACK - Installation Specifications and Instructions - Foot Mount

FOOT MOUNT

The foot mount Rolling Rack has two 5.5"x5.25" feet welded to the ends of the rack. Each foot is anchored to the ground with 4 anchors.

Recommended Base Materials:
 Solid concrete is the best base material for installation. Asphalt may not be suitable. To ensure the proper anchors are shipped with your rack, ask your Dero representative which anchor is appropriate for your application.

Installation:
 3/8" anchors are shipped with the rack. Place the rack in the desired location. Use a marker or pencil to outline the holes of the flange onto the base material. Drill the holes in accordance with the specifications shipped with the anchors. Make sure the holes are at least 6" away from any cracks in the base material.

Tamper Resistant Fasteners
 The concrete spike is a permanent anchor. The top of the wedge anchor can also be pounded sideways after installation so that it cannot be removed. Other tamper resistant fasteners are also available for purchase.

When using the special tamper resistant nuts, always set and first tighten the anchors. Once the rack is installed, replace two nuts from the bracket (opposite sides from each other) with the tamper resistant fastener. DO NOT OVERTIGHTEN the tamper resistant nut.

If you have any questions about installation or other features of the Hoop Rack, please call Dero at 888-DERO-RAX (888-337-6729).

Tools Needed for Installation
 Tape Measure
 Marker or Pencil
 Masonry Drill Bit
 Drill (Hammer drill recommended)
 Hammer
 Wrench
 Level

Freestanding rail mount also available
 *Note: Though nuts may be present, the rail will remain only a pivoted joint.

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ROLLING RACK - In Ground Mount Installation Specifications and Instructions

IN GROUND MOUNT

Installing into Existing Sidewalk
 Core holes no less than 3" diameter (4" recommended) and no less than 6" deep into sidewalk. Fill holes with non-shrink epoxy grout. Place Rolling Rack into hole filled with epoxy. Make sure the rack is level and held in place until the grout has set.

Installing into a New Sidewalk:

Step 1
 Use rack to measure exact location in pour bed.

Step 2
 Pound stake into pour bed where end of rack will sit. Stake rack end into side. You may need to dig the end of rack into the side to make sure rack sits at least 3" above final grade level. The stake keeps the rack straight while the concrete is being poured.

Step 3
 Make sure rack is level and that pour concrete around rack. Make sure rack is not embedded into concrete as concrete is being poured.

Sleeve Method:

Step 1
 Place corrosion resistant sleeve (min. 2" inside diameter) in sand pour bed in exact location where the rack will be installed. Place top of sleeve at same level as desired finished concrete surface. Fill sleeve with sand to keep it in place and prevent it from being with concrete.

Step 2
 Pour concrete and allow to cure.

Step 3
 After appropriate cure time, dig out sand from sleeve and pour in non-shrink epoxy grout. Insert rack and make sure it is level and at the appropriate height. Allow grout to set.

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DUMPSTER ENCLOSURE

1/2" TYP. CONCRETE WALL PAINTED TO MATCH SURROUNDING SURFACE
 4" x 6" x 8" CONCRETE FILLER WITH 1/2" TYP. REINFORCING BARS
 1/2" TYP. CONCRETE WALL PAINTED TO MATCH SURROUNDING SURFACE
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GENERAL NOTES

1. Do not use drainage. Follow dimensions.
2. Sidewalk and sidewalk curb ramps shall be constructed in accordance with these plans and the current applicable Minnesota and Disabilities Act Accessibility Guidelines (ADAAG).
3. Provide a landing at the top of each curb ramp with the slope being 1:12. Curb ramps shall be 48" wide including all negative (+) values, no landing is required.
4. Minimum setback from existing or proposed curb shall be 2 feet. Minimum setback from existing curb shall be 4 feet.
5. Maximum sidewalk cross slope 0.2%.
6. All sidewalk ramps shall be 4" wide, except when indicated as 7" wide by street crossing. Slope shall be 1:12. All sidewalk ramps shall be 48" wide including all negative (+) values, no landing is required.
7. Where curb ramp meets pavement, asphalt will not be permitted.
8. Concrete is diagonal when the maximum corner radius allowed for a straight ramp is exceeded.
9. If existing concrete curb is constructed, slope to drainage curb is 1:12. If existing concrete curb is not constructed, slope to drainage curb is 1:12. If existing concrete curb is not constructed, slope to drainage curb is 1:12. If existing concrete curb is not constructed, slope to drainage curb is 1:12.
10. For sidewalk locations on Cut-De-Decks, refer to "Pavement Construction Details".
11. For pavement longitudinal and transverse joints and for joint treatments and drainage, refer to the "Pavement Construction Details for Streets and Curb" Std. Draw 5502-03.
12. For pavement curb types, placement types, and maximum rates to Standard Typical Section.

TYPE 1 AND TYPE 2 CURB RAMP

GRADE ALONG CURB	MIN. LENGTH OF RAMP SLOPE (L.F.)
NEGATIVE (-) VALUES	2
+0.01 to +0.02	4
+0.03 to +0.04	6
+0.05 to +0.06	8
+0.07 to +0.08	10
+0.09 to +0.10	12
GREATER THAN +0.10	15

TYPE 3 CURB RAMP

GRADE ALONG CURB	MIN. LENGTH OF RAMP SLOPE (L.F.)
NEGATIVE (-) VALUES	2
+0.01 to +0.02	4
+0.03 to +0.04	6
+0.05 to +0.06	8
+0.07 to +0.08	10
+0.09 to +0.10	12
GREATER THAN +0.10	15

CONCRETE SIDEWALK AND CURB RAMP

SAINT LOUIS COUNTY
 DEPARTMENT OF PUBLIC WORKS AND TRAFFIC
 CLAYTON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMP
 TYPE 1, 2 AND 3

REVISION DATE: March 11, 2008
 DRAWING: C608.10

MULTI-PURPOSE TRAIL DETAIL
 (N.T.S.)
 (VERIFY W/ CITY)

NOTES:

PROVIDE CONCRETE HANDICAP RAMP WHERE TRAIL INTERSECTS ACCESS DRIVES OR STREETS OR WHERE TRAIL INTERSECTS WITH CURBING (SEE PLAN).

PROVIDE STRIPING OR A COLORED TEXTURED PAVEMENT THROUGH THE ACCESS DRIVES OR STREETS INTO THE DEVELOPMENT.

MAXIMUM SLOPE OF THE PATH SHALL NOT EXCEED 8% AND 2% CROSS SLOPE PER CITY OF O'FALLON SPECIFICATIONS.

THE TRAIL SHALL BE CONSTRUCTED WITH A CONSISTENT SLOPE WITH VERTICAL CURVES A MINIMUM OF 50' IN LENGTH. AFTER FINAL COMPRESSION, THE SURFACE SHALL BE SMOOTH AND TRUE TO THE ESTABLISHED CROWN AND GRADE. ANY LOW OR DEFECTIVE PLACES SHALL IMMEDIATELY BE REMEDIED BY CUTTING OUT THE COURSE AT SUCH SPOTS AND REPLACING IT WITH FRESH HOT MIXTURE, WHICH SHALL BE IMMEDIATELY COMPACTED TO CONFORM WITH THE SURROUNDING AREA AND SHALL BE THOROUGHLY BONDED TO IT. THE FINISHED PAVEMENT SHALL BE SET FREE FROM DEPRESSIONS EXCEEDING ONE-EIGHTH INCH AS MEASURED WITH A TEN-FOOT STRAIGHT EDGE PARALLEL TO THE CENTERLINE OF THE TRAIL.

GENERAL NOTES

- 1) ENVIROPOD™ BY STORMWATER360, WEST, PORTLAND, OR (800) 546-4667; EAST: SCARBOROUGH, ME (877) 907-6676;
- 2) MID-ATLANTIC: EXETER, MD (866) 740-3313;
- 3) CATCH BASIN INSERT TO BE ENVIROPOD OR APPROVED EQUAL, SUBMITTALS REQUIRED.
- 4) STANDARD MESH SIZE FOR SCREENING BAG RETAINS PARTICLES GREATER THAN 1,000 MICRONS. CONTACT STORMWATER360 FOR ALTERNATE MESH SIZES. REPLACEMENT BAG INCLUDED.
- 5) STANDARD ENVIROPOD REQUIRES 2" DRAIN FROM RIM TO INVERT OUT. IF INLET PIPE IS SPECIFIED, ENVIROPOD REQUIRES 2" DRAIN FROM RIM TO CROWN OF INLET PIPE. CONTACT STORMWATER360 FOR SMALLER APPLICATIONS.
- 6) ALL ENVIROPOD REQUIRE REGULAR MAINTENANCE. REFER TO OPERATION AND MAINTENANCE GUIDELINES FOR MORE INFORMATION.

ENVIROPOD - PLAN VIEW

ENVIROPOD - SECTION VIEW

STANDARD MODEL SIZES

MODEL	LENGTH	WIDTH	DEPTH	WATER QUALITY FLOW RATE	SPILL BYPASS FLOW RATE
ENP1812	18" L	12" W	12" D	1.1 GPM	0.6 GPM
ENP2412	24" L	12" W	12" D	1.8 GPM	1.2 GPM
ENP3612	36" L	12" W	12" D	2.7 GPM	1.8 GPM
ENP3618	36" L	18" W	12" D	4.0 GPM	2.7 GPM

ENVIROPOD CATCH BASIN INSERT - DROP IN UNIT
 PLAN AND SECTION VIEWS
 STANDARD DETAIL

Stormwater360
 www.stormwater360.com
 DATE: 03/08/08 SCALE: NONE FILE NAME: EP-C001 DRAWN: MAM CHECKED: MAM

OR EQUAL AS APPROVED BY CITY OF O'FALLON.
 INSTALL & MAINTAIN PER MANUFACTURER INSTRUCTIONS.
 INSTALL AT EACH NEW PARKING LOT GRATE INLET STRUCTURE.

MoDOT, WATER COMMENTS 11/10/06
 CITY, MoDOT, FIRE COMMENTS 11/7/06

GOLD'S GYM - O'FALLON, MO
 CONSTRUCTION DETAILS

STOCK & ASSOCIATES
 Consulting Engineers, Inc.

257 Chesterfield Business Parkway
 St. Louis, MO 63005
 PH: (636) 530-9100
 FAX: (636) 530-9130
 e-mail: general@stockassoc.com
 Web: www.stockassoc.com

DRAWN BY: H.L.T. DATE: 8/14/06 CHECKED BY: C.A.M. DATE: 8/14/06 JOB NUMBER: 206-3850 SHEET: C11

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