Space-efficient Bike Storage

The Dero Vertical Locker unites the space-saving advantages of our Ultra Space Saver parking system with the additional protection of fully-enclosed bike storage. With its unique trapezoidal footprint, the Vertical Locker can be arranged in single or double rows or arcing configurations.

Patent Pending
VERTICAL BIKE LOCKER

- Includes Ultra Space Saver Single bike hanger
- Key option or u-lock/padlock bracket
- Leveling feet
- Modular design
- Door closer and gear hook are available
- Panels and door are galvanized under powder coat

Easy bike storage access via smartphone

- App based
- Powered by Movatic
- Easy administration

Arranged in an arc

Arranged in a double-sided row

FINISH OPTIONS

Galvanized

<table>
<thead>
<tr>
<th>Powder Coat</th>
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</thead>
<tbody>
<tr>
<td>White</td>
</tr>
<tr>
<td>Light Green RAL 5018</td>
</tr>
<tr>
<td>Orange RAL 2004</td>
</tr>
<tr>
<td>Blue RAL 5005</td>
</tr>
<tr>
<td>Sepia Brown RAL 8014</td>
</tr>
<tr>
<td>Beige RAL 1001</td>
</tr>
<tr>
<td>Iron Gray 7011</td>
</tr>
<tr>
<td>Hunter Green RAL 6005</td>
</tr>
</tbody>
</table>

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VERTICAL BIKE LOCKER
Submittal Sheet

CAPACITY
1 Bike

MATERIALS
Frame: 1.5” x 14g square tube
Sides: 18g plate
Doors: 16g plate
Top: 18g plate

FINISHES

- Galvanized
  An after fabrication hot dipped galvanized finish is our standard option on frame components. Pre-fabrication galvanizing is standard on panel components.

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

LOAD DATA
40 psf snow, 90 mph wind exposure B, high seismic when installed on concrete

SETBACKS
Allow a 60° clearance from door face.

STANDARD
- Leveling feet
- Ventilating window on doors
- Graffiti resistant
- UV resistant

OPTIONS
- Gear hook
- Numbered plates
- Door closer

LOCKING SYSTEM
- Keyed Lock Only
- Padlock/U-Lock Handle
- Smartphone Access + Keyed Lock
VERTICAL BIKE LOCKER

Setbacks

Allow 60” clearance from door face.
# Vertical Bike Locker

## Parts List

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<td><img src="image1" alt="Door Assembly" /></td>
</tr>
<tr>
<td>Backbone</td>
<td><img src="image2" alt="Backbone" /></td>
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<tr>
<td>Door Frame</td>
<td><img src="image3" alt="Door Frame" /></td>
</tr>
<tr>
<td>Frame Panel</td>
<td><img src="image4" alt="Frame Panel" /></td>
</tr>
<tr>
<td>Roof</td>
<td><img src="image5" alt="Roof" /></td>
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<tr>
<td>Space Saver, Ultra Single</td>
<td><img src="image6" alt="Space Saver" /></td>
</tr>
<tr>
<td>Rear Leveling Foot</td>
<td><img src="image7" alt="Rear Leveling Foot" /></td>
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<tr>
<td>Floor</td>
<td><img src="image8" alt="Floor" /></td>
</tr>
<tr>
<td>Gear Hook</td>
<td><img src="image9" alt="Gear Hook" /></td>
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<td>Leveling Foot</td>
<td><img src="image10" alt="Leveling Foot" /></td>
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<tr>
<td>Door Spring</td>
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<td>Lock Nut 3125</td>
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<td>Lock Nut 375</td>
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<td>Lock Nut 10</td>
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<tr>
<td>Washer 3125</td>
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<tr>
<td>Washer 375</td>
<td><img src="image16" alt="Washer 375" /></td>
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<tr>
<td>Carriage Bolt 3125 x 2.25</td>
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<tr>
<td>Carriage Bolt 375 x 100</td>
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<tr>
<td>Carriage Bolt 3125 x 75</td>
<td><img src="image19" alt="Carriage Bolt" /></td>
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<tr>
<td>Carriage Bolt 10 x .50</td>
<td><img src="image20" alt="Carriage Bolt" /></td>
</tr>
<tr>
<td>Self Drilling Screw 12-14 X .75</td>
<td><img src="image21" alt="Self Drilling Screw" /></td>
</tr>
</tbody>
</table>
**VERTICAL BIKE LOCKER**

Installation Instructions

**TOOLS NEEDED**

- Hammer drill with 3/8” masonry bit
- Hammer
- Bubble level
- Tape measure
- 1/8”, 3/16”, 1/4”, 5/32” wrenches
- Socket wrench
- 3/8”, 7/16”, 1/2”, 9/16” sockets
- Power drill
- #3 Philips screw driver bit
- Needle-nose pliers

**RECOMMENDED BASE MATERIAL**

Solid concrete is the best base material for installation. To ensure the proper anchors are shipped with your rack, ask your Dero representative which anchor is appropriate for your application. Be sure nothing is underneath the base material that could be damaged by drilling.

Notify Dero sales department of any ground slope.

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1. Thread the (2) leveling feet into the door frame.

2. Attach (1) frame panel to the door frame with (4) 5/16” x 2.25” carriage bolts, washers, and locknuts. Next add the other frame panel. Leave lock nuts finger-tight.

3. Attach (1) backbone to the frame panels with (8) 5/16” x .75” carriage bolts, washers, and locknuts. Leave lock nuts finger-tight.

4. Attach the rear leveling foot to the backbone with (3) 3/8” x 1.00” carriage bolts, washers, and locknuts. Typically, the top set of holes are used.
Attach the roof panel to the side panels with (6) 5/16" x .75" carriage bolts, washers, and locknuts. Attach the roof panel to the door frame with (3) 5/16" x 2.25" carriage bolts, washers, and locknuts and the backbone with (2) 5/16" x .75" carriage bolts, washers, and locknuts. Leave locknuts finger-tight.

Attach the floor panel to the side panels with (6) 5/16" x .75" carriage bolts, washers, and locknuts. Attach the floor panel to the door frame with (3) 5/16" x 2.25" carriage bolts, washers, and locknuts. Leave lock nuts finger-tight.

Tighten all locknuts.

Attach the bike rack to the backbone with (4) 3/8" x 1.00" carriage bolts, washers, and locknuts.
9

Attach the door assembly with (16) #12 x ¾” self-drilling screws. Pilot holes are present but may be partially filled with zinc.

10

The gap between the door and latch bar may need to be adjusted to properly engage the door frame. This can be done via the ¼” bolt that tightens against the handle spindle and the 5/16” nuts at the other pivot points.

11

If any twist needs to be taken out of the door, loosen the #10 locknuts, set the door, and re-tighten.

12

If a gear hook is needed, attach the gear hook to the door back with (4) #10 x .50” carriage bolts, washers, and locknuts.
If a door closer is needed, attach the spring to the gear hook and to the side panel. A needle-nose pliers is helpful.

Move the locker into the desired location, level it with the leveling feet, and secure it to the ground with (4) anchors. The front leveling feet anchor holes should line up with the large holes in the locker floor.