

VelowUp![®]

Smart Bicycle Parking

Patent: N2013198

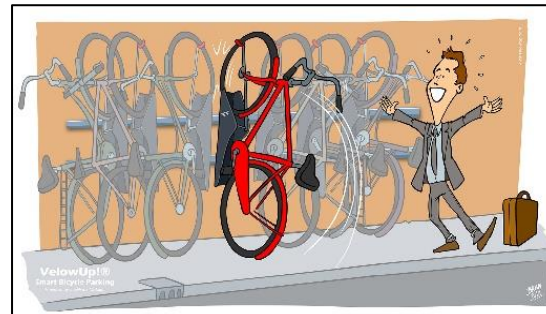
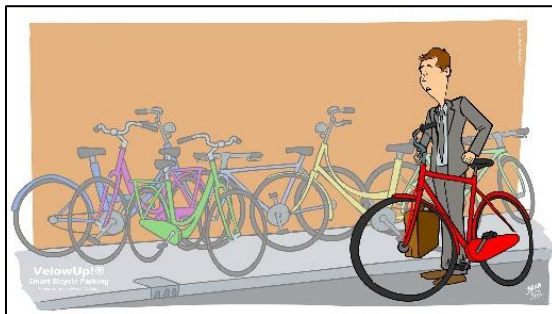
VelowUp!®

Smart Bicycle Parking



VelowUp!® Classic

- Vertical bicycle parking
- Weight: 8.5kg
- Lifting capacity up to 35kg
- Compact sheds (> 40% space saving)
- Bike parking without any effort
- Great for small spaces
- Minimum required height: 2.00m
- For almost any type of bike
- Easy to install
- Low maintenance
- Pivotal (120°)



VelowUp!®

Smart Bicycle Parking

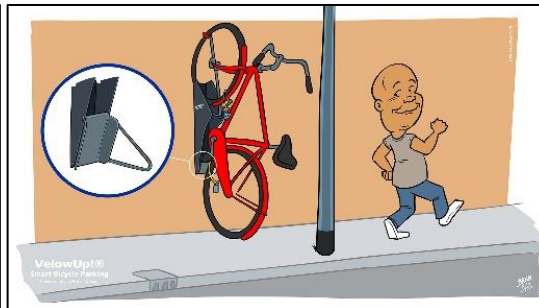
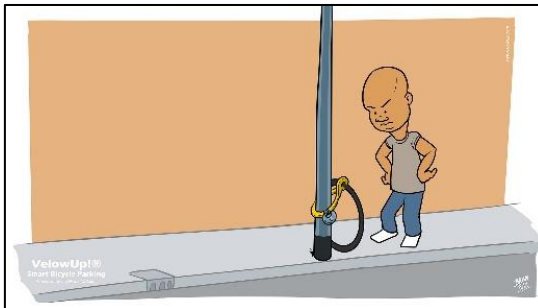
VelowUp!® Hook

A VelowUp!® can, on the underside, be provided with a “rear wheel plate with attachment hook”, so that in addition to the front wheel, the rear wheel can also be tied.



Product information

- | | |
|----------------------|-------------------------------|
| - Material | : Steel |
| - Treatment casing | : Poeder coating (RAL9005) |
| - Treatment lift arm | : Elektrolytically galvanized |
| - Warranty | : 6 months |
| - Carton LxBxH | : 910x145x290mm |
| - #/pallet 120x100cm | : 42 pieces |



VelowUp!®

Smart Bicycle Parking

VelowUp!® *Extended*

If the bicycle has a larger wheelbase*, you can opt for an “extended rear wheel plate”, so that the wall to which the **VelowUp!® *Extended*** is mounted is protected against contamination by the rear wheel of the bicycle.

**Wheelbase >1150mm and bike length >1950mm*



Product information

- | | |
|----------------------|---|
| - Material | : Steel, Stainless steel (extended plate) |
| - Treatment casing | : Powder coating (RAL9005) |
| - Treatment lift arm | : Elektrolytically galvanized |
| - Warranty | : 6 months |
| - Carton LxBxH | : 910x145x290mm |
| - #/pallet 120x100cm | : 42 spieces |



VelowUp!®

Smart Bicycle Parking

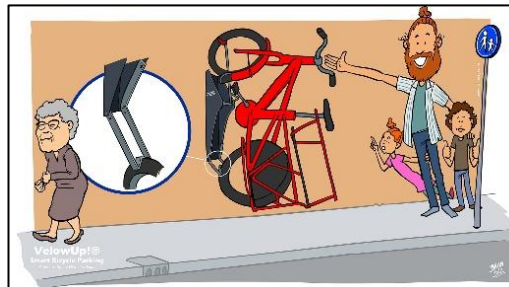
VelowUp!® Longtail

If the bicycle has a larger wheelbase*, a "longtail holder" can be chosen, so that the rear wheel of the Longtail bike is collected. The adjustable hook on the lift arm makes **VelowUp!® Longtail** suitable for the compact storage of almost all longtail bikes.

**Wheelbase >1150mm and bike length >1950mm*

Product information

- | | |
|----------------------|--|
| - Material | : Steel, stainless steel (longtail holder) |
| - Treatment casing | : Poeder coating (RAL9005) |
| - Treatment lift arm | : Elektrolytically galvanized |
| - Warranty | : 6 months |
| - Carton LxBxH | : 910x145x290mm |
| - #/pallet 120x100cm | : 42 pieces |



VelowUp!®

Smart Bicycle Parking

VelowUp!® *Outdoor*

VelowUp!® *Outdoor* is the stainless steel version of VelowUp!® *Classic* and is therefore suitable for (uncovered) installation in the outdoor area. Stainless steel and/or aluminum mounting parts are available for the VelowUp!® *Outdoor*, such as a rack based on floor fixation and mounting parts for mounting VelowUp!® *Outdoor* to the wall.

Product information

- | | |
|----------------------|-------------------------------|
| - Material | : Stainless steel |
| - Treatment casing | : Powder coating (RAL7016) |
| - Treatment lift arm | : Elektrolytically galvanized |
| - Warranty | : 6 months |
| - Carton LxBxH | : 910x145x290mm |
| - #/pallet 120x100cm | : 42 pieces |



VelowUp!®

Smart Bicycle Parking

VelowUp!® *Fatbike*

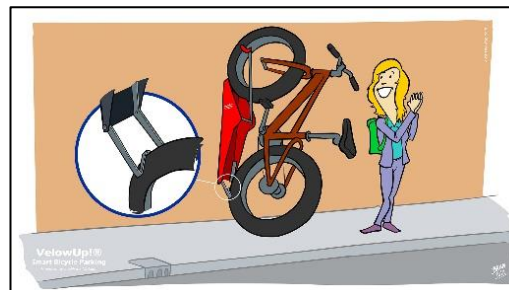
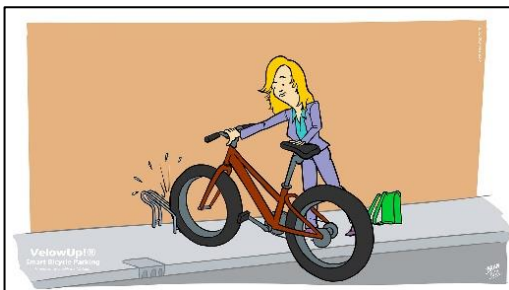
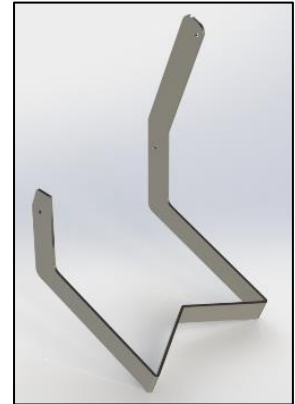
The **VelowUp!® *Fatbike*** is suitable for the compact storage of bicycles with a tire width up to approx. 14 cm, the so-called fat bikes. The **VelowUp!® *Fatbike*** is extra wide and equipped with a longer front wheel hook. The height-adjustable hook (5 positions) makes the **VelowUp!® *Fatbike*** suitable for storing almost any fatbike.

Recommended center distance: 50cm.

**Wheelbase >1150mm and bike length >1950mm*

Product information

- | | |
|----------------------|---|
| - Material | : Steel, stainless steel (rear wheel plate) |
| - Treatment casing | : Powder coating (RAL3020) |
| - Treatment lift arm | : Elektrolytically galvanized |
| - Warranty | : 6 months |
| - Carton LxBxH | : 900x210x300mm |
| - #/pallet 120x100cm | : 30 pieces |

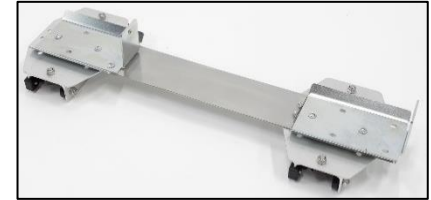


VelowUp!®

Smart Bicycle Parking

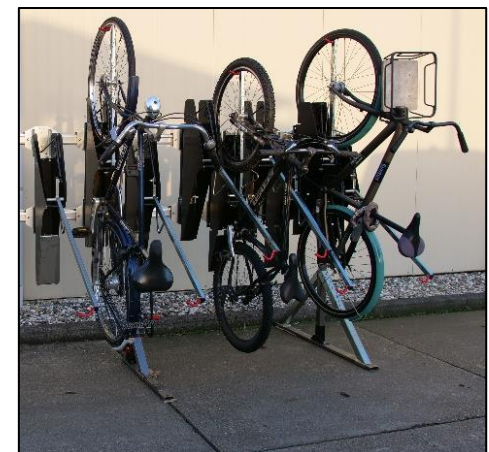
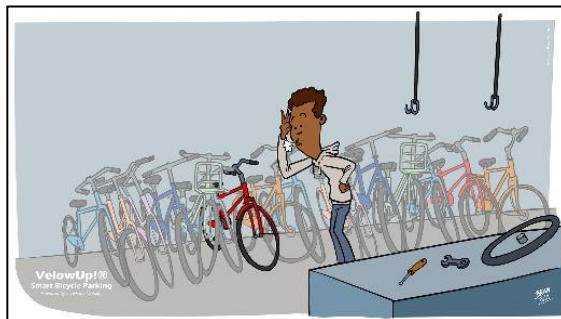
VelowUp!® Slide

In addition to being rotatable, the **VelowUp!® Slide** can also be moved to the left and right, so that the bicycles parked at the side can be slid sideways during loading and unloading, thus creating more space. **VelowUp!® Slide** therefore not only offers a (more) compact (more) storage space, but also more comfort at the same time.



Product information

- | | |
|----------------------|-------------------------------|
| - Material | : Steel, Aluminium (Rails) |
| - Treatment casing | : Powder coating (RAL9005) |
| - Treatment lift arm | : Elektrolytically galvanized |
| - Warranty | : 6 months |



Minimum height for installation

- Minimum required height: 2,00m* - **Traditional bicycle**

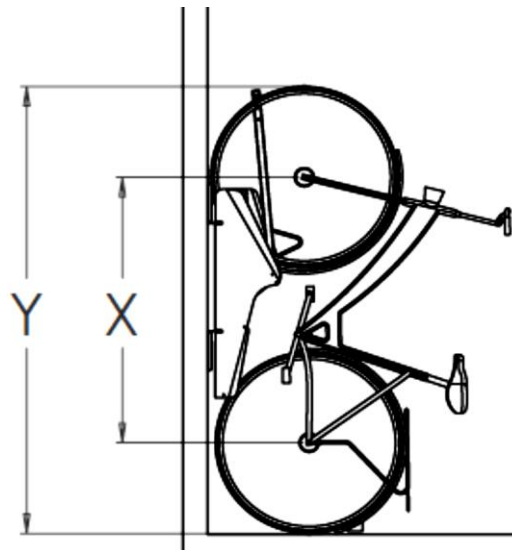
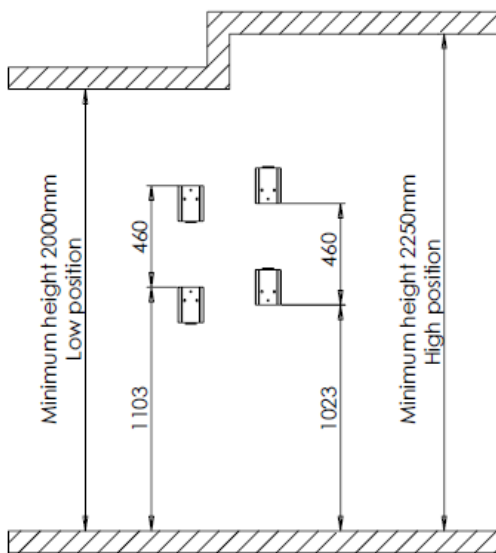
* Suitable for bicycles with a wheelbase $X < 1.15\text{m}$ and a length $Y < 1.95\text{m}$

- Minimum required height: 2,25m** - **Extended bicycle**

** Wheel base $X > 1150\text{mm}$ and length $Y > 1950\text{mm}$. Optional: extended rear wheel plate.

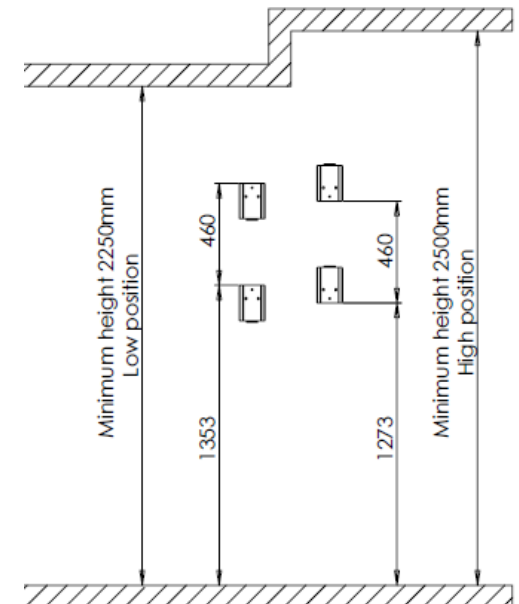
VelowUp!® Classic/**Fatbike**/**Outdoor**/**Hook**/**Slide**

$X < 1150\text{mm}$ and $Y < 1950\text{mm}$



VelowUp!® **Extended**/**Longtail**

$X > 1150\text{mm}$ and/or $Y > 1950\text{mm}$



VelowUp!®

Smart Bicycle Parking



VelowUp!®

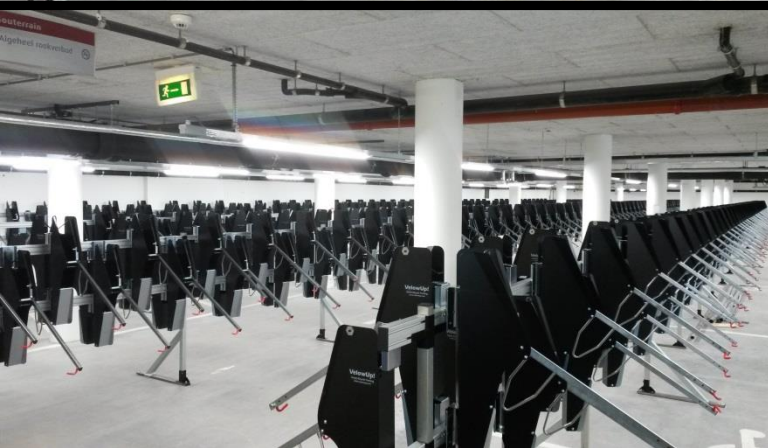
Smart Bicycle Parking



VelowUp!® is a registered product of Lo Minck International BV, Lissersbroek, Holland

VelowUp!®

Smart Bicycle Parking



VelowUp!® is a registered product of Lo Minck International BV, Lissersbroek, Holland

VelowUp!®

Smart Bicycle Parking

Before

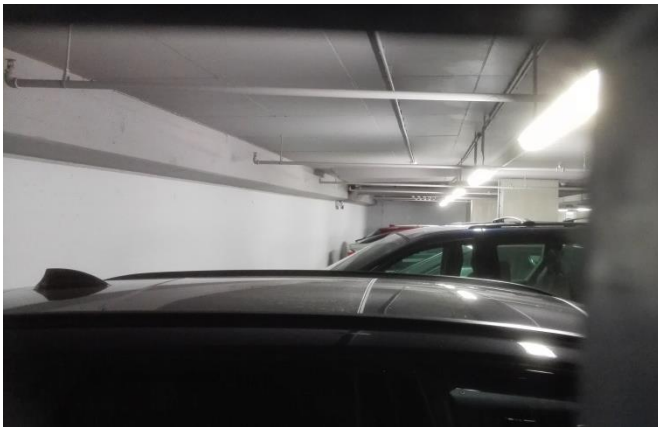


Lack on parking capacity, narrow

After (with VelowUp!)



Additional parking capacity, more room to move



Parking capacity for 9 cars



Parking capacity for 129 bicycles

VelowUp!®

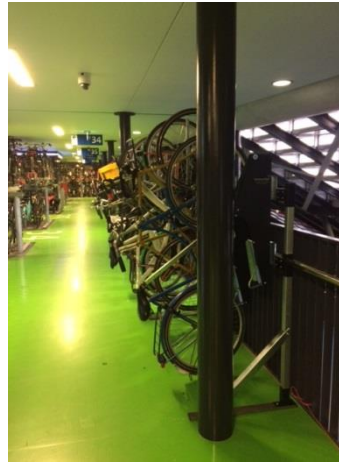
Smart Bicycle Parking

Before

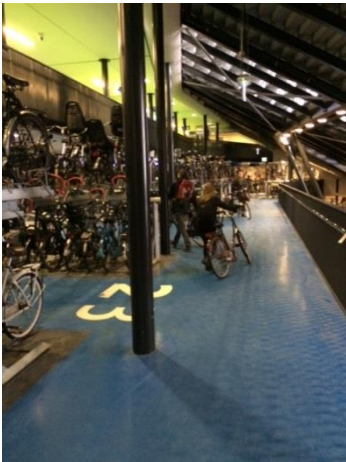


Old situation; wild bicycle parking (messy, inefficient)

After



*New situation: 15 VelowUp!s between pillars; more efficient/
more parking spots and wild parking avoided.*



Old situation; a lot of unused space



New situation: 7 VelowUp!s placed on the head of a two tier rack

VelowUp!®

Smart Bicycle Parking

Wall-mounting (kit 1)



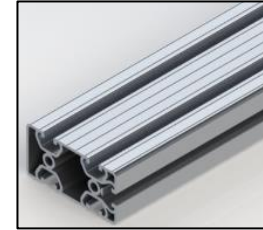
Explanation

When installing multiple VelowUp!®'s you can also use our high-qualitative aluminum profiles. With these profiles the VelowUp!®'s are mounted in a simple way. On top of that the center distance between the VelowUp!®'s can be adjusted at any time.

Components

- Premium quality aluminium profile
- Center wall-plate
- Corner wall- plate
- Profile T-nut M6 (6 pcs per VelowUp!)
- Profile T-nut M6 (4 or 8 pcs per wall-plate)
- Profile bolt M6 (6 pcs per VelowUp!)
- Profile bolt M6 (4 or 8pcs per wall-plate)
- Screw/plug (4 pcs per wall-plate)*

- *These screws are standard packed with the VelowUp!'*s



Aluminium profile



Center wall-plate

4x profile bolts



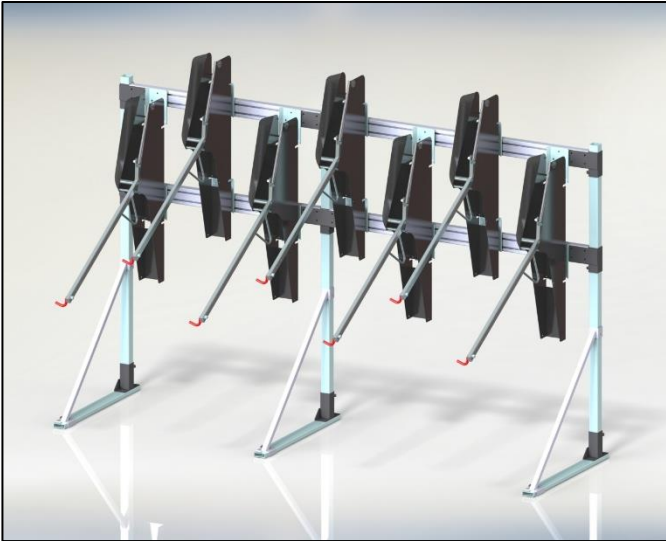
Corner wall-plate

4x profile bolts per mounting plate

VelowUp!®

Smart Bicycle Parking

Rack mounting + floor support, single sided (kit 2)



Explanation

If the walls have insufficient capacity (eg plaster board), the aluminum profiles can be delivered with floor supports /uprights. The distance between the VelowUp!®'s can be adjusted at any time.

Components

- Premium quality aluminium profile
- Upright with floor fixation support (every 2 meter)
- Rack-plate (center)
- Rack-plate (corner left/right)
- Profile T-nut M6 (6 pcs per VelowUp!, 4 or 8 per rack-plate)
- Profile bolt M6 (6 pcs per VelowUp!, 4 or 8 per rack-plate)



Aluminium profile



Upright with floor fixation



Rack-plate (corner: left, right)

4x T-nuts + 4x profile bolts per mounting plate



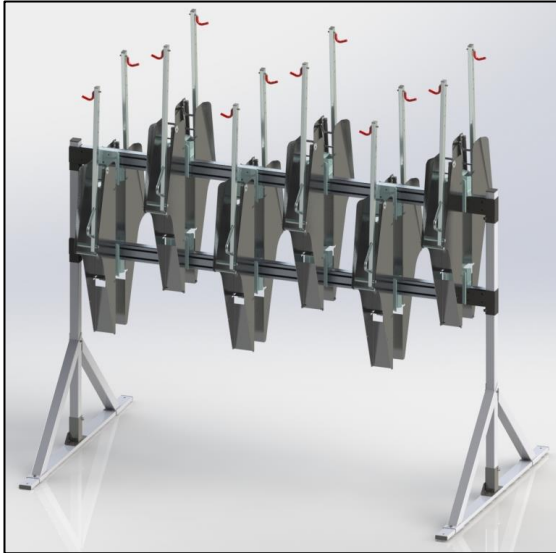
Rack-plate (center)

8x T-nuts + 8x profile bolts per mounting plate

VelowUp!®

Smart Bicycle Parking

Rack mounting + floor support, double sided (kit 3)



Explanation

If the walls have insufficient capacity (eg plaster board), the aluminum profiles can be delivered with floor supports. The distance between the VelowUp!®'s can be adjusted at any time.

Components

- Premium quality aluminium profile
- Upright with floor fixation (every 2 meter)
- Rack plate (center)
- Rack plate (corner left/right)
- Profile T-nut M6 (6 pcs per VelowUp!, 4 or 8 per rack-plate)
- Profile bolt M6 (6 pcs per VelowUp!, 4 or 8 per rack-plate)



Aluminium profile



Upright with floor fixation



Rack-plate (corner: left, right)

4x T-nuts + 4x profile bolts per mounting plate



Rack-plate (center)

8x T-nuts + 8x profile bolts per mounting plate

VelowUp!®

Smart Bicycle Parking

The principle of VelowUp!®

Storing the bike

Slide front wheel on hook, take a step back and then – at the same time – pull your bike backwards until the VelowUp!® is activated and your bicycle is lifted. Guide your bike with handlebars until the rear wheel falls into wheel groove and front wheel into the front wheel catch. You can now release your bike.



Removing the bike

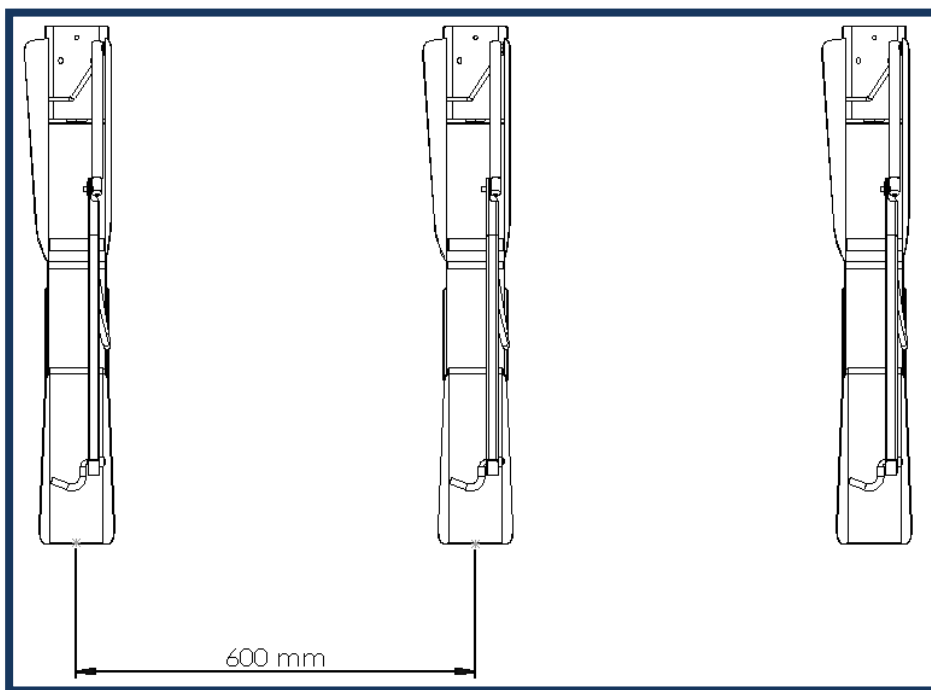
Grip bike with one hand on saddle and one hand on steer wheel and then pull your bike towards you. While pulling apply some pressure to hold the front wheel to the hook so the handlebar moves downwards smoothly. Once the bike is on the ground, take the front wheel off the hook.



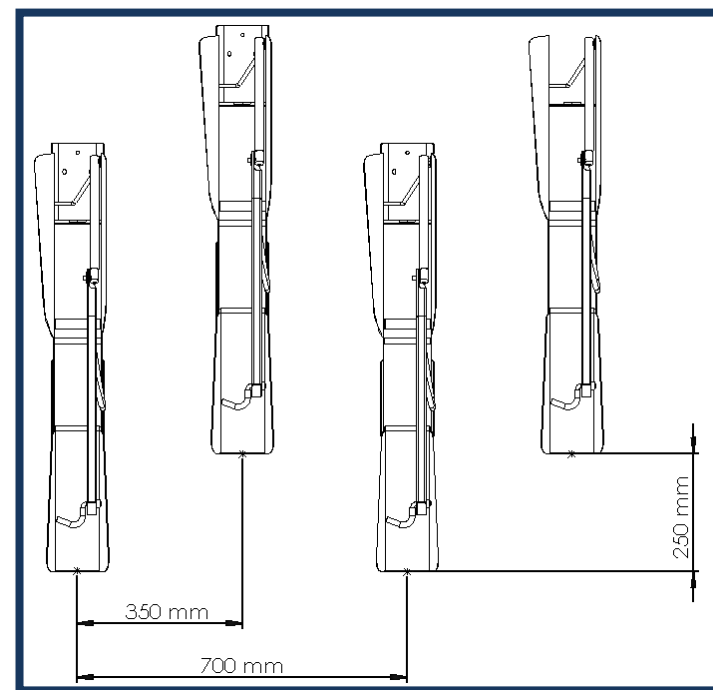
VelowUp!®

Smart Bicycle Parking

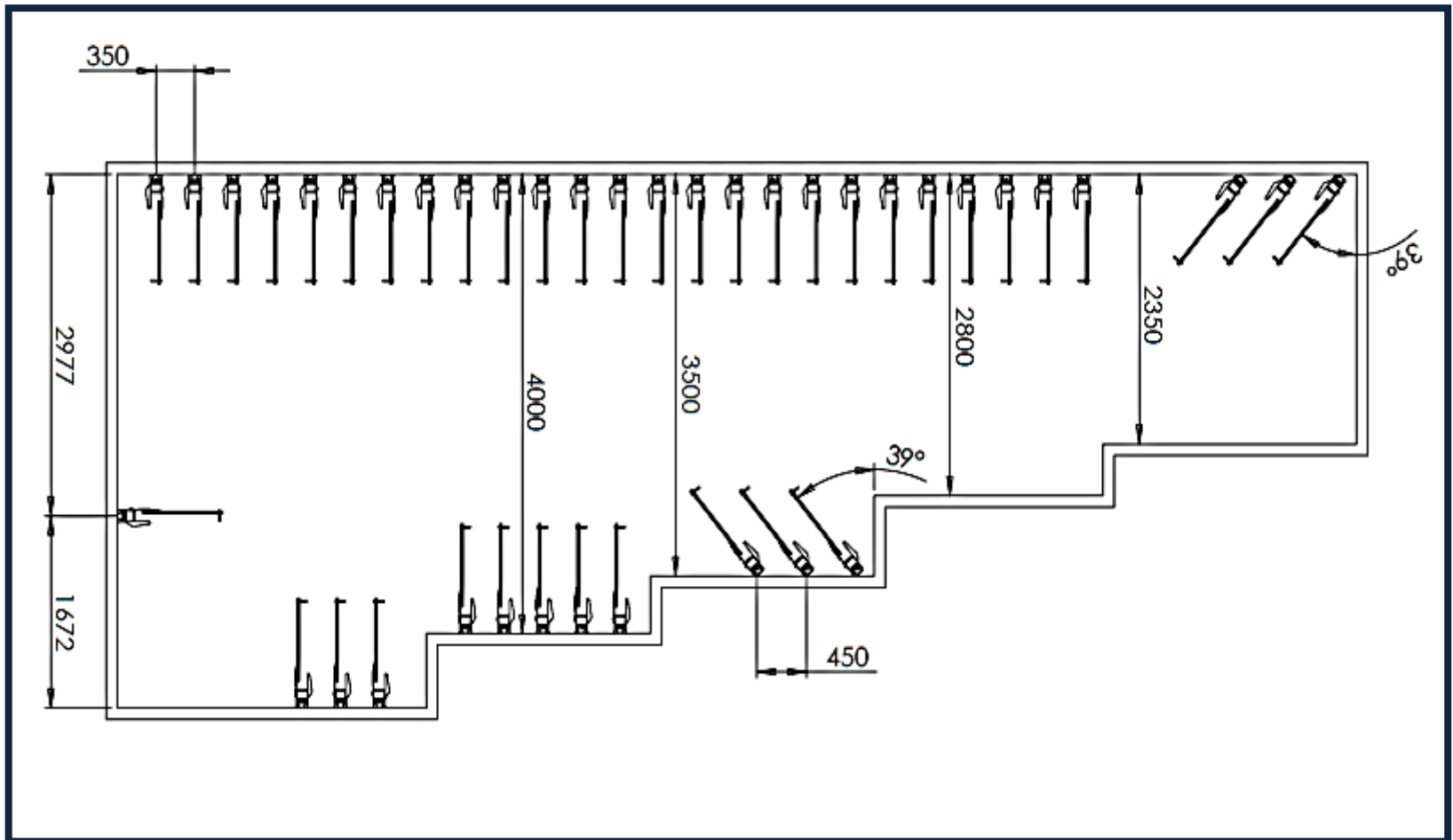
Mounting at similar height



Mounting at different height (high/low)



Minimum dimensions



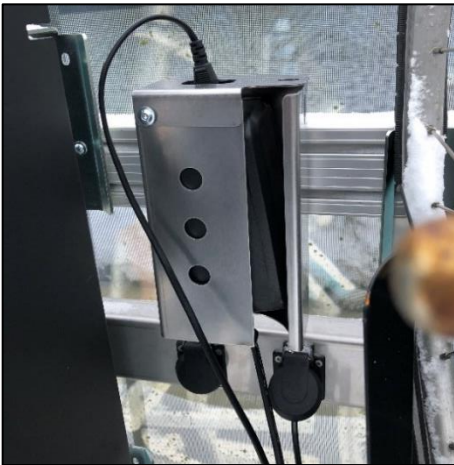
Adapterholder + Charging bar

Adapterholder

- 1,5mm stainless steel
- Robust construction
- Simple installation to wall or AluProfileSystem
- No cables or adapters on the ground
- User-friendly: charger is on user level

Size

- Standard (LxWxH): 119x73x204mm
- XL (LxWxH): 154x79x247mm (thickness: 2mm)



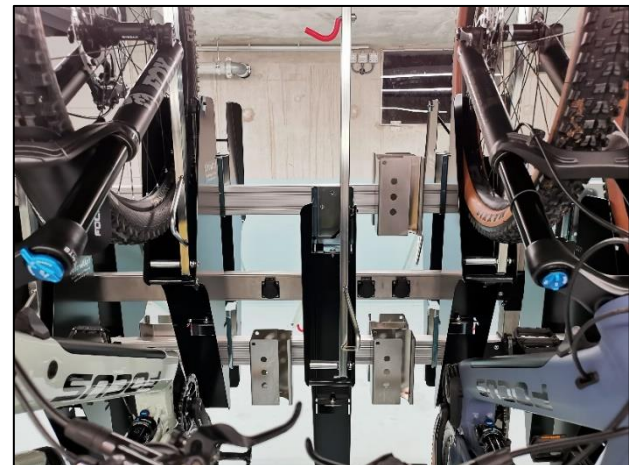
Charging bar

- 2mm stainless steel
- Robust construction
- No extension cables needed
- User-friendly: Socket on user level
- Battery does not need to be charged separately
- Available for 5 and 6 bicycle spots

Size

- (LxWxH): L¹ x80x40mm.

¹⁾ Length: depends on amount of charging points



VelowUp!®

Smart Bicycle Parking

VelowUp!® Abri

- Capacity: 6 bikes
- Dimension (BxDxH): 2.880mmx1.480mmx2.041mm



VelowUp!® Carrousel Indoor

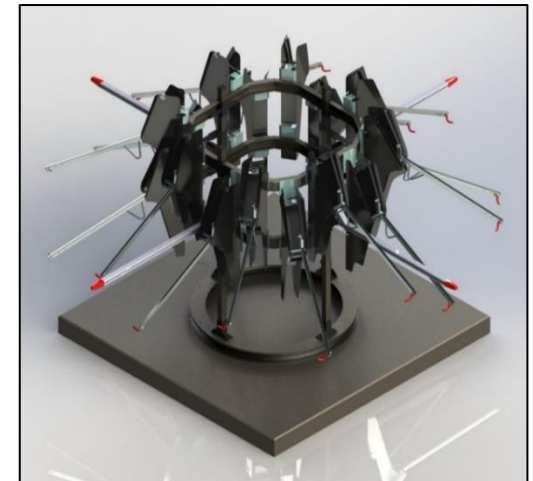
- Capacity: 12/16/20 fietsen
- Size: diameter from 3,5m to 3,8m
- Rotating carrousel

Needed:

- Solid, leveled fundament
- Minimum clear height of 2,25m

Material:

- Rotating steel base
- Stainless steel frame
- Anodised aluminium, Rotating arms
- Powdercoated steel mounting plates



VelowUp!®

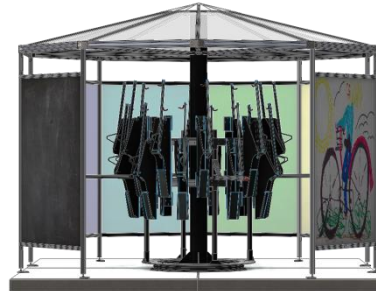
Smart Bicycle Parking

VelowUp!® Carrousel

- Capacity: 20 bikes
- Dimension: diameter 4m/16m²
- Rotating base

Options:

- Polycarbonate/aluminium roof
- Polycarbonate/aluminium cladding
- Sun-energy feeded led-lightning



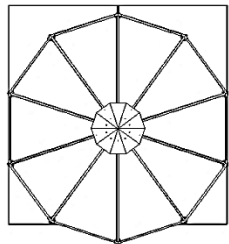
Customized cladding



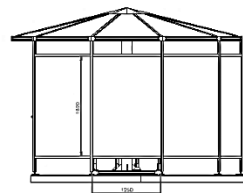
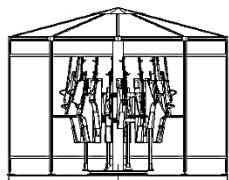
Carrousel with roof



Carrousel with roof and cladding



Entree zijde



Customer service

Lo Minck International BV
Gansoord 80
2165 BD Lissersbroek, Holland
Tel: 0031-(0)252-420384
E-mail: sales@lo-minck.nl