



PARKINGS
FOR BIKES®
BY IDDERMAN

SECURE PARKINGS FOR BIKES



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FOREWORD

The promotion of non-polluting means of transport in cities such as cycling, as well as the appearance of electric bicycles (which means an increase in the value of the latter compared to traditional bicycles) implies a commitment from both the public organizations and the private companies to offer their users (employees or customers) a sustainable mobility solution that includes not only the bicycle, but also its orderly and secure parking, as well as battery charging (in the case of electric bikes).

In response to this demand, Idderman (already a specialist in the manufacture of galleries to cover carpet lifts for skiers - which protect from bad weather both the carpet lift and its user) is now relying on this experience to design and develop two models of secure parking, which in different forms, are capable of accommodating between seven and an unlimited number of bicycles, as well as the necessary accessories to offer the user a complete solution for the protection of their vehicle.

In this catalog we present the models and available options that Idderman has been offering since 2018.

Carlos Alarcón
Idderman General Manager

About Us

We design our products thinking about the human and technical resources we have



From Design to Production

Knowledge of the materials and processes used in the manufacture of the Universal Gallery and its accessories, has made us specialize in materials such as **aluminum, galvanized steel** and **polycarbonate**, as well as in the technologies applied to **shear, folding, bending, assembly** and **welding**.

The **punching machine** and the **hydraulic shearing machine** give us the possibility of working with our three main materials; in **folding**, we make pieces of **up to 4 m** in length; Regarding the **bending of profiles, solids and sheets**, the design of the necessary tools for our machines allows us to reach figures with various radius and the shaping of complex geometries. After these years of experience, our staff is equally specialized in working with **riveting, screwing** and **adhesive** techniques. Finally, **aluminum TIG welding** allows us to make highly resistant joints with a spectacular finish.



Punching machine



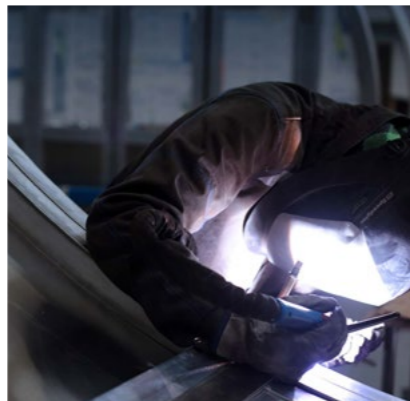
Folding



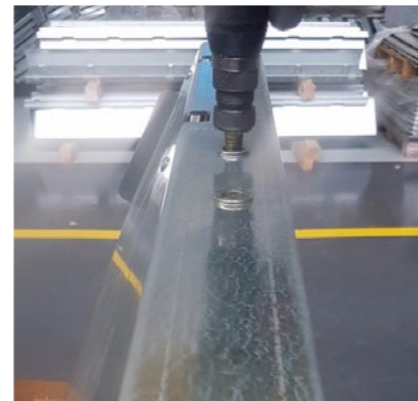
Cutting



Bending



Welding



Assembly



With fixed dimensions, already assembled, it only needs to be connected and fixed to the ground



The Coffre Vélo is a parking for bikes module with fixed dimensions, already assembled and which, once installed, only needs to be connected and fixed to the ground.

The Coffre Vélo is made of aluminum and transparent polycarbonate with UV protection on both sides.

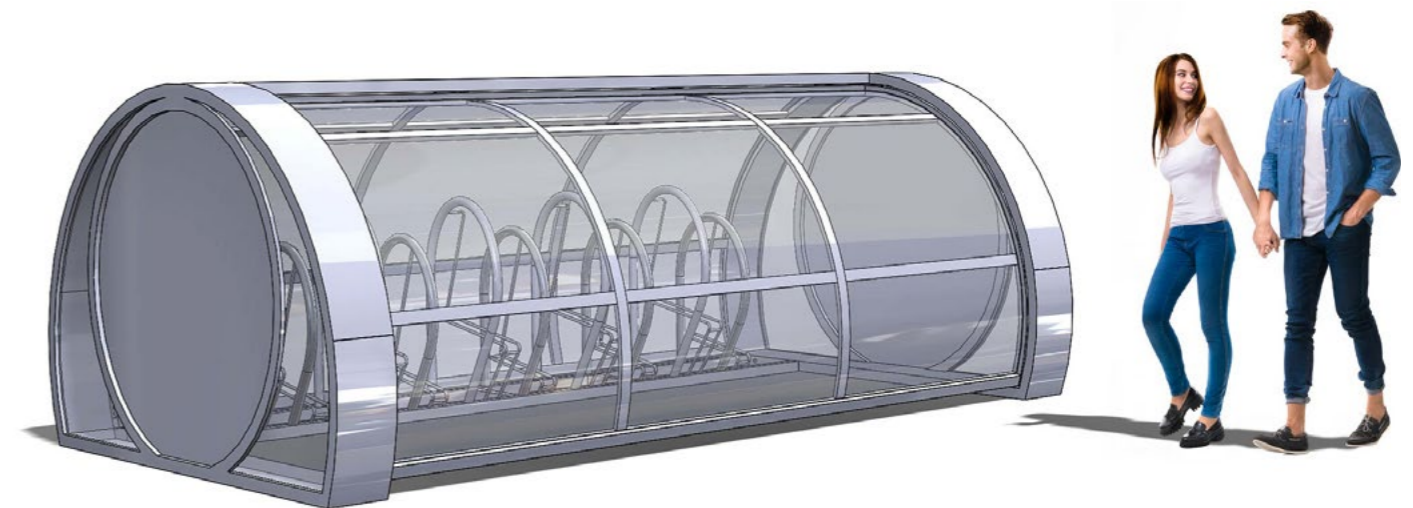
Doors Opening and Closing

Regardless of the type of power supply in this car park, the opening/closing of the doors can be done manually or automatically. In the first case, the user unlocks the door lock and opens it manually. In the case of automatic parking, the motor is responsible for the movement of the doors, both in opening and closing.

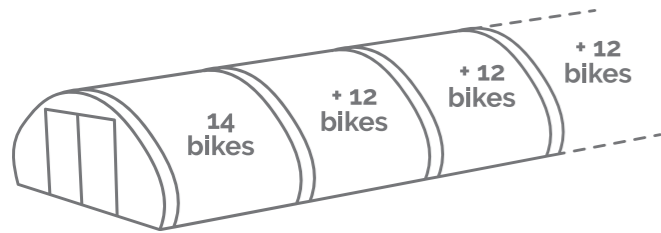
Color is also a possible option for this car park model.

Dimensions

Bikes	7	10	14	20
Length (mm)	3.000	3.950	5.950	7.850
Width (mm)	2.200	2.200	2.200	2.200
Height (mm)	1.500	1.500	1.500	1.500



A parking with a modular structure and a double sliding entrance door



Like the Coffre Vélo, the Hangar is made of aluminium and transparent polycarbonate with UV protection on both faces.

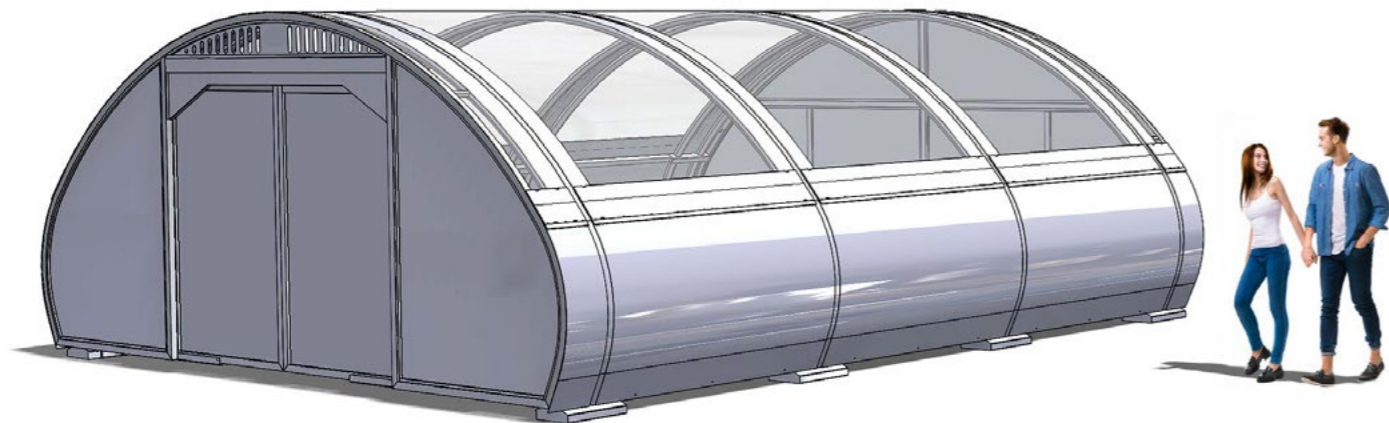
A Modular Structure

The Hangar Vélo is a parking for bikes with a modular structure consisting of a front door and a rear cover and, between the two, the desired number of intermediate modules.

The first module has 14 places and the following 12 places each.

Dimensions

Bikes	14	26	38	50	62
Length (mm)	2.775	4.875	6.975	9.075	11.175
Width (mm)	5.620	5.620	5.620	5.620	5.620
Height (mm)	2.505	2.505	2.505	2.505	2.505



The Door

The aluminum entrance door is a sliding door with double panels, including the necessary protection for its safe use in public spaces. Its panels are decorated with perforations that favor ventilation and the fixed surfaces are blind so that they can receive vinyl decorative elements.



The Rear Cover

Also in aluminum, the rear cover also has decorative perforations and surfaces that can be covered with vinyl.



The Arches

The load-bearing arches of each module are made of aluminum tubes and corrugated galvanized steel sheets, supported by galvanized steel plinths.

Between two consecutive load-bearing arches, in the lower part, on either side of the Hangar, there are the side plinths, in aluminium, and covering the rest of the space, in the upper part, a transparent polycarbonate plate with protection UV on both sides. The fixing of the polycarbonate plate, as well as the side plinths to the arches and, in turn, to the bases, is carried out by means of stainless steel strapping.



Hangar Vélo 3P

To attenuate the action of the sun and heat in places where they are very present, there is the "Hangar vélo 3P" model whose roof is made of an aluminum composite panel; As an option, this composite panel can be replaced by a green roof, which in addition to contributing to the thermal insulation of the parking, gives it a green image.

Although the standard finish option is natural aluminium, the car park can be electrostatically painted on request, with a color from the RAL color chart.

Power Supply Options



Depending on whether the parkings are connected to the electrical network or not, the existing models are:

Connected

The parking lot's power comes entirely from the electrical network. Therefore, a commitment is needed prior to the implementation of the parking lot.



Mixed

The parking has a photovoltaic installation that allows it to function autonomously, but in the event of a lack of sufficient energy, it is powered by the electrical network.



Independent

The car park is completely independent of the electrical network as it has a complete photovoltaic installation that allows its full operation.



Packaging and Shipping



The design of the parts and the packaging allows us to optimize shipping.

Product quality, safety of use and respect for the environment are our benchmark in our daily work.

CE Marking



The two parking models have the corresponding CE marking regarding user safety.

Accessories



Bike Rack

Regardless of the available sizes, the opening options and the type of electrical power system, the parking lots are equipped, from the outset, with bicycle racks made of aluminum where the user must tie their bicycle.

In the case of electric bikes, the bike racks can be equipped with waterproof sockets for connecting the individual chargers of each user.



Illumination

Parking lots can be illuminated with white light or adjustable RGB color light.

SIUS (User Identification System)

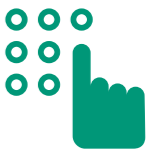
There is also an optional user identification system (user ID) that can be installed next to the bike racks in order to know where a certain user has left their bike locked.

By mixing the two options (user ID + charging socket), it is possible to ensure that the power supply of the sockets is only activated when the bike is in its place.



Access Keyboard

Each user uses their personal code to activate the opening of the car park door.



Surveillance Camera

In addition to having a deterrent effect, the surveillance camera can record what is happening in the parking lot.



Internal Recorder

The internal recorder stores visual and audio evidence of what is happening in the parking lot.



Installation



Coffre Vélo

The Coffre is a one-piece element and therefore its installation is much faster and easier: just unload it from the truck, fix it to the ground with anchor bolts and connect it to the power supply if necessary.

Hangar Vélo

Its unlimited modular configuration means that it must be installed in its final location. Although the entire door leaf operating system is already assembled on the front door assembly, the rest of the components must be installed in the following order:

- Place the plinths on the ground and fix them using suitable bolts
- Lay out the front door assembly
- Arrange the back cover
- Install side modules
- Overlap the polycarbonate panels
- Attach the modules using steel straps
- stainless.
- Secure bike racks

Maintenance

Neither the car parks nor their accessories require any special maintenance, with the exception of regular cleaning.

Polycarbonate

To clean polycarbonate, it is recommended to use pressurized water and not to rub, as it is a material that scratches very easily.

Aluminium

For aluminum, you can use conventional cleaning products as well as non-abrasive cloths so as not to dull its shine.



10 Year Warranty

Compact polycarbonate sheets have a 10-year outdoor warranty – excluding damage due to vandalism and/or insufficient maintenance.

This warranty is extended – under the same conditions – to aluminum parts and their seals.

High Quality Components



Idderman integrates into its products components manufactured by leading companies that ensure the best reliability and the most complete security.

Pholarus

Pholarus is a support for a photovoltaic solar installation adapted to the Hangar Vélo parking for bikes.

Parking Motors

Nice proposes automation systems for parking doors. With the simplest integration, manufactured with the most advanced electronics, the most elegant design and the most complete and attractive automation, Nice wants to facilitate use and ensure the safety of entering and leaving in complete freedom.

Smart Locks Without Batteries

iLOQ proposes an electronic cylinder without batteries with programmable opening using the NFC of the mobile phone.

The mobile phone is also used to power the cylinder and to identify itself. It works for both compatible Android and iPhone phones. It can also be opened with the NFC electronic keychain or KeyFob.

Linear Actuators for Parking Lots

Actuonix is a market-leading micromotion manufacturer and innovator that designs and manufactures high-quality linear microactuators.

Actuonix offers a complete range of micro linear actuators to meet the specifications of almost any project.

Idderman uses its products to operate the parking garage doors.

Solar panels

Designed to maximize energy generation through leading efficiency, enhanced performance in high temperatures, and higher energy conversion in low-light conditions like mornings, evenings and cloudy days.

Sunpower Maxeon 3 Solar panels are covered by a 40-year Warranty.

Smart Inverters

Fronius smart inverters ensure particularly efficient use of electricity from photovoltaic systems.



Home Automation





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