



BYCYCLE SECURITY PARKING DEVICES



PKB S-064

bicycle security parking

bicycle security parking with ramp



PKHOR S-070

horizontal bicycle parking



BOX S-072

individual bicycle box parking

double bicycle box parking



PIL S-069

bollard bicycle parking



PDL S-076

pedal bicycle parking



BANCPK S-075

bench bicycle parking



PKB is a new support for secure bike parking and storage, in the street, in public and private garages.

It incorporates all the mechanisms to lock your bike (two wheels are blocked automatically, as well as the frame and seat). The user does not need to bring any security mechanism.

Option of incorporate a prepayment system (minutes, hours, days, etc.) through an appropriate software.

Option of charging electric batteries.

ADVANTAGES

Security. all elements of the bike are completely blocked

Space. orders the city and occupies half of the space compared with the currently existing , with the of option of mounting collectively.

Maintenance. Not required

Universal. fits with all models of bikes

Practical. It is not necessary to take any chain as far it is already incorporated into the mechanism.

The closing system can be operated by a coin, key or by a programmable card.



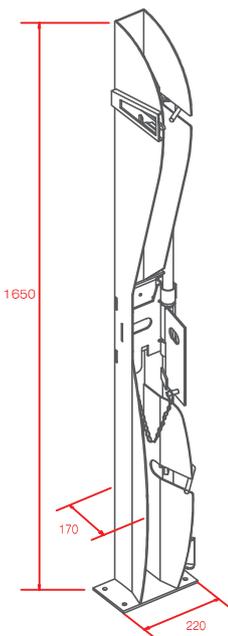
FEATURES

Material. Steel and cemented steel (resistant anti shears)

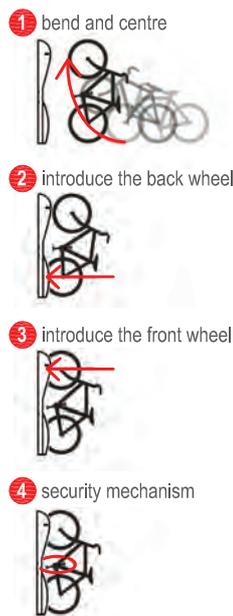
Finishing coat. painted according to specifications. customizable

Installation. The support is screw-mounted to the floor (mechanical anchorage), once it is blocked it is impossible to disassemble.

How to use the cycle parking device?



Detail of technical specifications (sizes in mm)



informative panel



Fixation with plate and anchor bolts



Detail of the operating locking mechanisms. The bottom lock is graduated automatically to prevent any damage to the spokes of a bicycle.



Detail of the closing / locking system of the frame and the seat, through a coin, a key or a card.



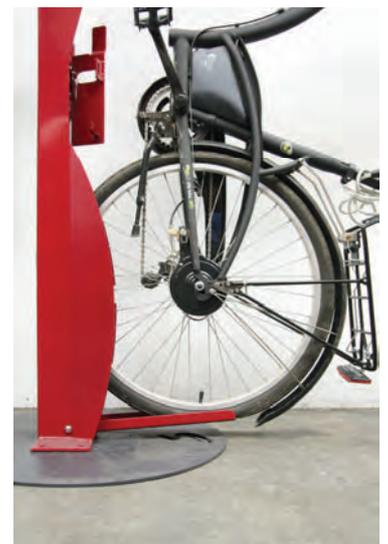
Detail of the double assembly or in groups of different parking

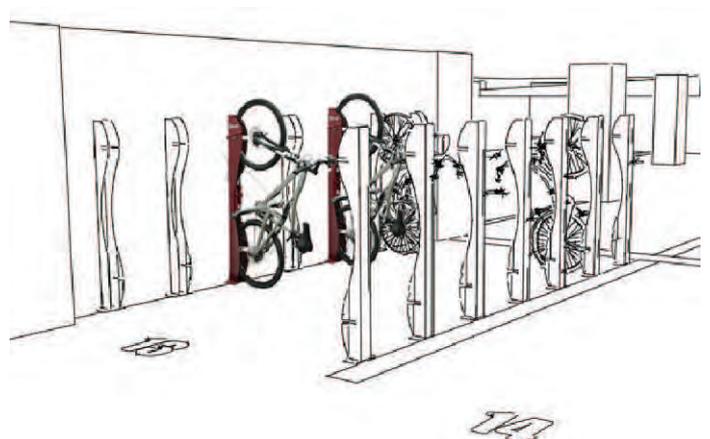
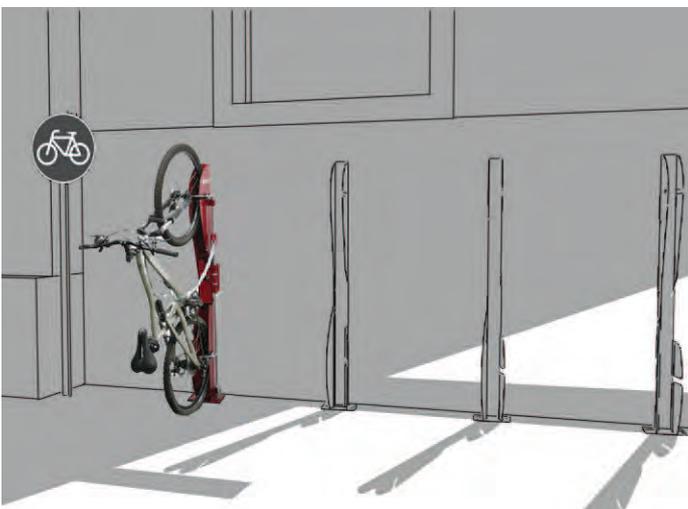
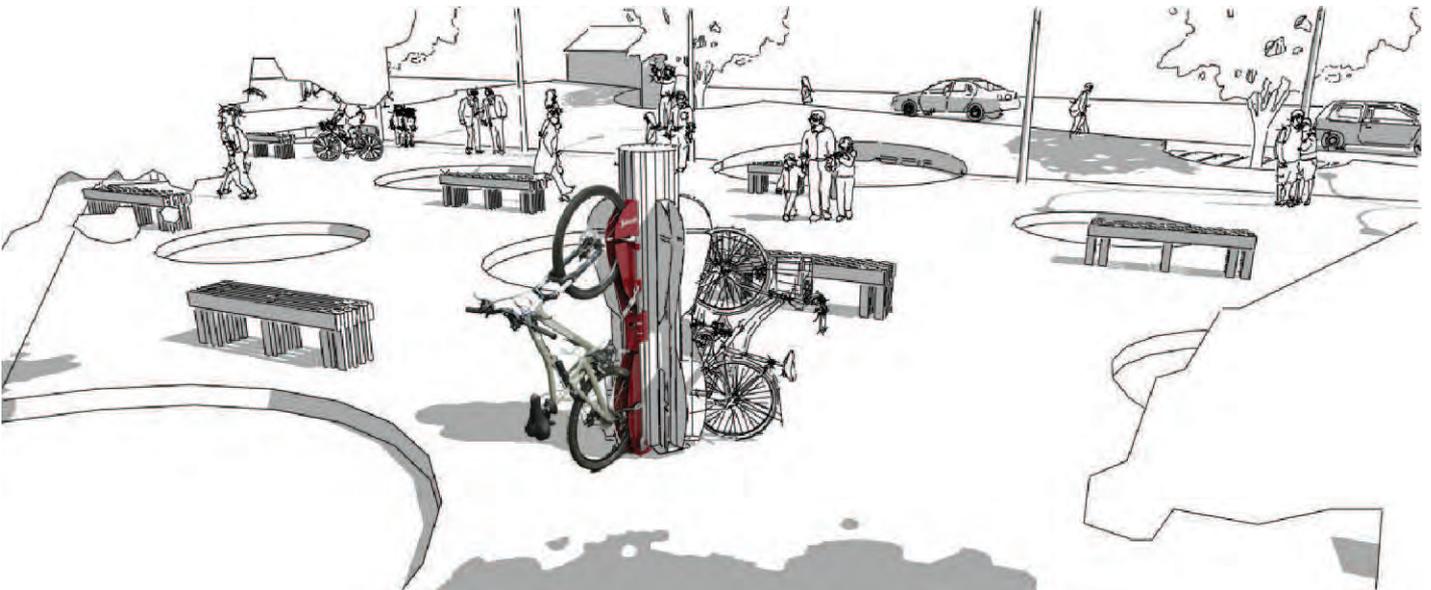
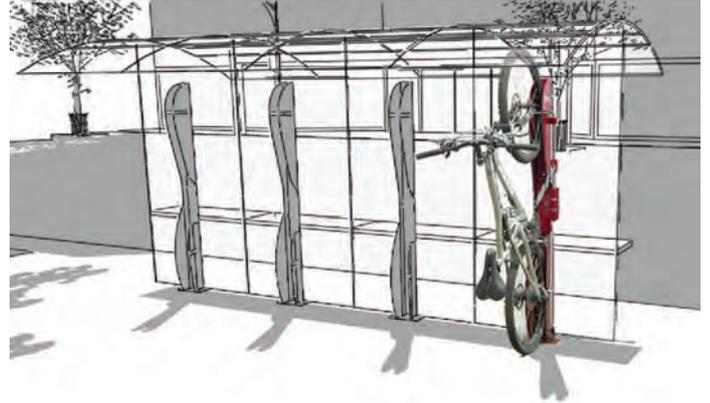
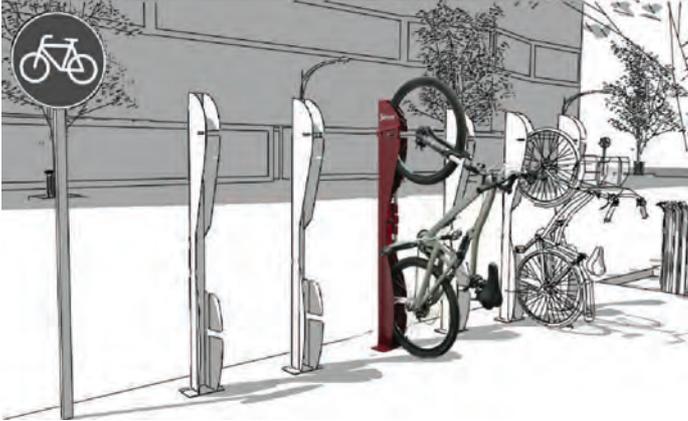
Ramp designed specially for these bikes with mudguard.

ADVANTAGES:

The back wheel will be elevated.

It can pivot through a shaft if needed.









PKHOR is a new and secure support for public areas and for community spaces, following a classic design line, with the option of charging electric batteries. Once the bicycle is introduced into support both wheels are blocked automatically, the frame and the seat are blocked by a chain incorporated in the support.

The locking system can be operated by a coin, key or a programmable card or the user's own padlock.

ADVANTAGES

- Security.** all elements of the bike are completely blocked
 - Space.** orders the city and occupies half of the space compared with the currently existing. (?)
 - Maintenance.** not required.
 - Universal.** fits with all models of bikes
 - Practical.** It is not necessary to take any chain as far it is already incorporated into the mechanism.
- The closing system can be operated by a coin, key or by a programmable card.



FEATURES

- Material. steel
- Finishing coat. painted according to specifications. customizable
- Installation. support screw-mounted to the floor (mechanical anchorage)



Details of the locking system of both wheels (front and rear).



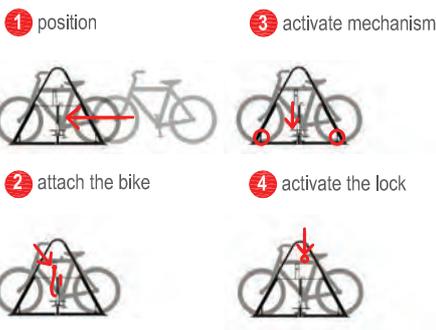
Detail of the chain for fixing the frame.



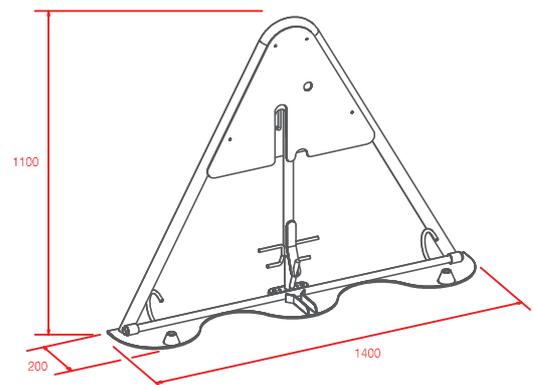
Fixation with plate and anchor bolts



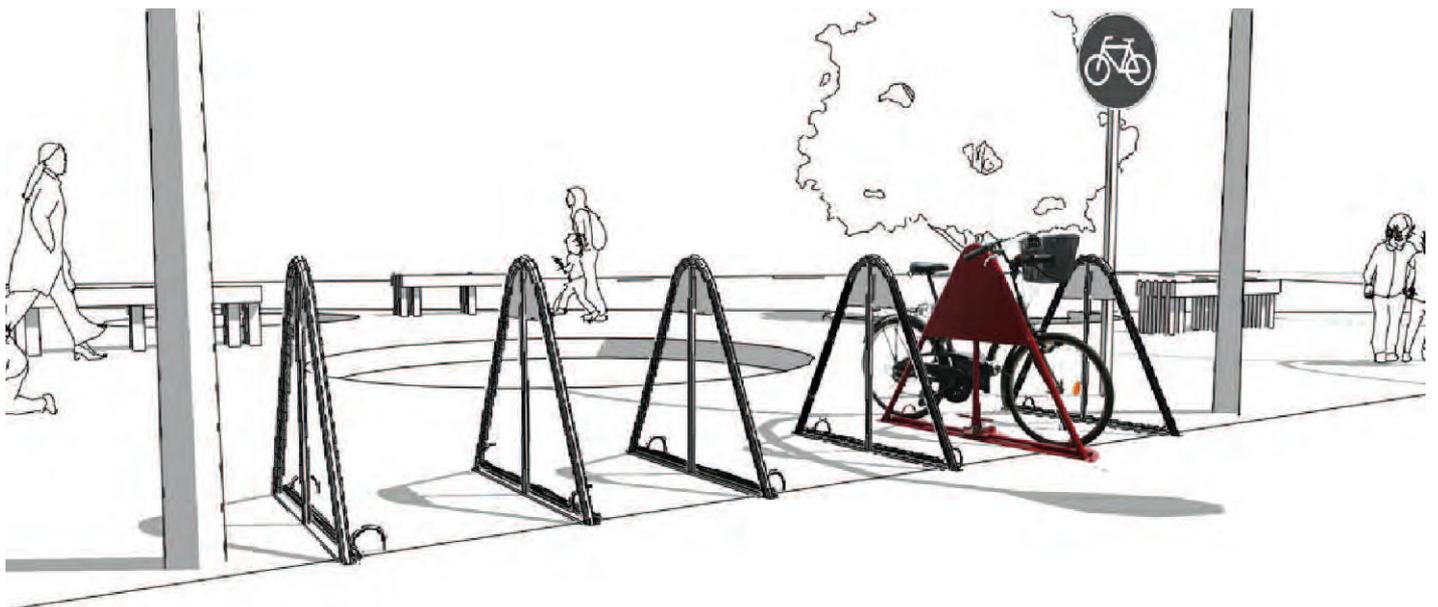
How to use the cycle parking device?



informative panel



Detail of technical specifications (sizes in mm)





The BOX is a new bicycle parking, both for public spaces and for private and community garages. Facilitates a fast parking without manoeuvres and ensures total protection from theft and inclement weather conditions. Inside there are some supports to keep the helmet and the accessories.

The locking system can be operated by a coin, key or a programmable card or the user's own padlock.

There is the individual model and the model for parking two bicycles (in this case there are two entrances).

ADVANTAGES

Security. full protection of the whole bike. It also protects against weather conditions.

Space. orders the city and community spaces of the garages.

Maintenance. It is not required.

Universal. fits with all models of bikes.

Personalizable closing system. It can be operated with a key, a coin, programmable card, or with the user's own lock.



Detail of the superior positioning of cycles



FEATURES

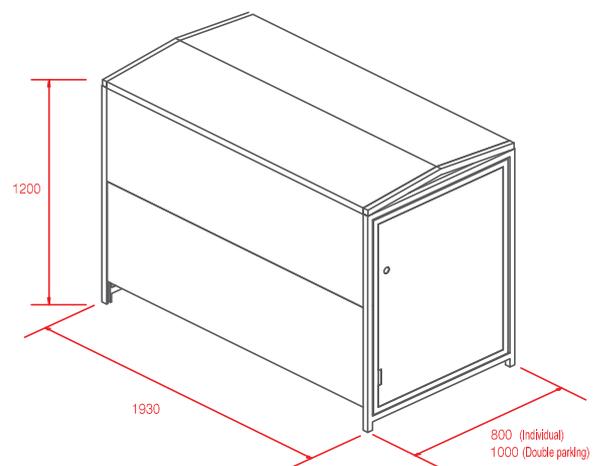
Material. steel lacquered with epoxy resistant on the outside / stainless steel

Finishing coat. painted according to specifications. customizable

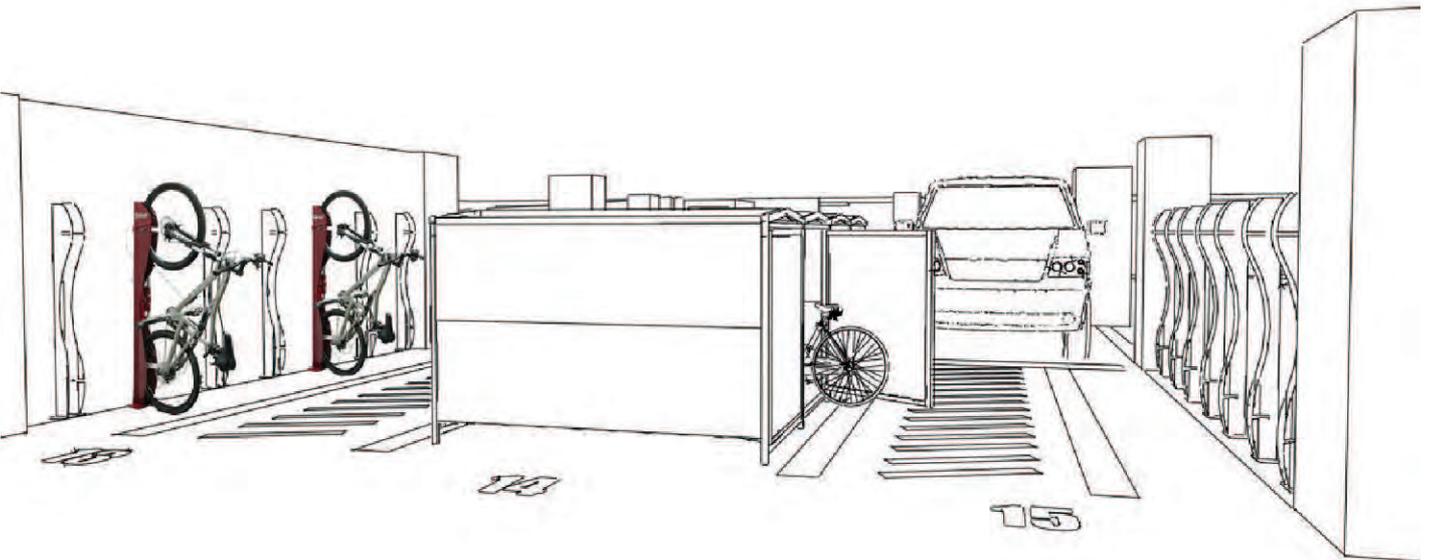
Installation. It is not required



Detail entry door box



Detail technical specifications (measures in mm)





Detail of the placement front wheel.



Detail of the extendable arm to set up the bike (frame and rear wheel).

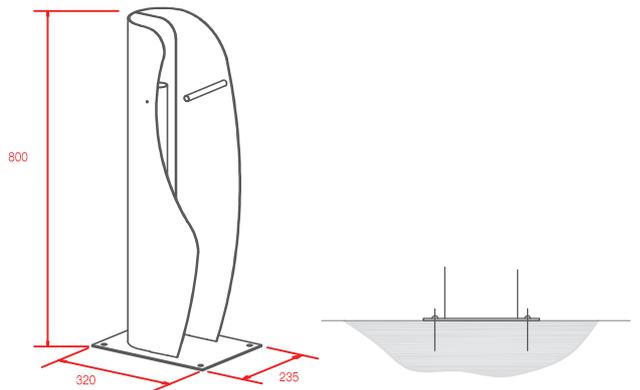
PIL is a new support for public areas and community spaces that takes up very little space and becomes an urban boundary as a bollard. Both the wheels and the frame bike are blocked through an extendable arm. The user must bring a padlock to block the back wheel and the frame.

ADVANTAGES

- Security.** all elements of the bike are completely blocked
- Space.** orders the city and it can be used additionally as a bollard (double function).
- Maintenance.** not required.
- Universal.** fits with all models of bikes

FEATURES

- Material. steel
- Finishing coat. painted according to specifications. customizable
- Installation. support screw-mounted to the floor (mechanical anchorage)



Detail of technical specifications (sizes in mm)

Fixation with plate and anchor bolts

How to use the cycle parking device?

- 1 centre
 - 2 enter front wheel
 - 3 extract the extendable arm
 - 4 safety mechanism
-

informative panel





PDL is a new support for park two cycles on public areas and community spaces that takes up very little space. The cycle is set through the introduction of the pedal in the aperture. The user must bring a padlock to block the back wheel and the frame.

ADVANTAGES

Security. The bike remains stable. With a single lock both wheels and the box are blocked.

Space. orders the city and it can be used additionally as a bollard (double function). (?)

Maintenance. not required.

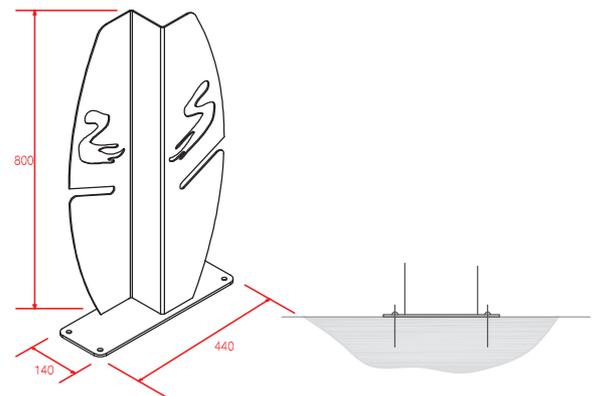
Universal. . fits with all models of bikes

FEATURES

Material. steel

Finishing coat. painted according to specifications. customizable

Installation. support screw-mounted to the floor (mechanical anchorage)



Detail of technical specifications Fixation with plate and anchor bolts (sizes in mm)

Detail of the placement of the pedal.





Bench of different lengths that can be expanded modularly, each armrests serves as a bicycle parking (it includes an extendible arm to block the cycle)

The user has only to bring a chain or a padlock to block the frame and the back wheel; the front wheel is blocked automatically). The bicycle remains stable and it is impossible it falls into the floor.

ADVANTAGES

Security. all elements of the bike are completely blocked

Space. orders the city and it has double function.

Maintenance. not required.

Universal. fits with all models of bikes



FEATURES

Material. Steel and technical wood (maintenance is not needed)

Finishing coat. painted according to specifications. customizable

Installation. support screw-mounted to the floor (mechanical anchorage)





We can adapt our closing systems to the needs of the customer. Our parking devices can work, on the one hand, with no locking system; and on the other hand, they can be powered by coin, key or programmable card.



a) WITHOUT LOCKING SYSTEM

the user must bring a padlock or a chain to close the parking device and lock the cycle.



b) BY KEY

there is a key to lock and unlock the parking lot. This type of system is really suitable in these cases that the parking device will be operated regularly by the same user (neighbour communities, individuals ...)



c) BY COIN

1) introduce the coin, close and remove the key. To open: insert the key and recover the coin from the parking lot.

2) introduce the coin, close and remove the key. To open: insert the key (the coin remains in the parking lot).

3) the two coins system: in this case we put two currencies - e.g., €1 and € 0.20 - close and remove the key. To open: insert the key and recover the coin of 1€ (the coin of 0,20€ remains in the parking lot).



d) BY PROGRAMMABLE CARD

this system allows programming the parking devices based on individuals, or on the other hand, it can be programmed based on time.

In this case, an specific software can be provided in order to facilitate the prepayment process by minutes, hours, days, months, etc.



Certificate

Standard **ISO 9001:2008**

Certificate Registr. No. 0.04.03138/03

TÜV Rheinland Ibérica Inspection, Certification & Testing S.A. certifies:

Certificate Owner:



**SERVEIS DE MAQUINÀRIA BANYOLINA, S.L.
(SEMAB PROJECTS)**
Pol. Ind. Pont Xetmar, 5-6-7
E-17844 Cornellà de Terri (Girona)

Scope: Design, manufacture and sale of parking, "stands" and accessories for motorcycles and bicycles.
Marketing and management of painted parts for industry.

An audit was performed, Report No. 03138. Proof has been furnished that the requirements according to ISO 9001:2008 are fulfilled.

Validity: The certificate is valid in conjunction with the main certificate from 2013-01-21 until 2016-01-20.



2013-02-19 TÜV Rheinland Ibérica Inspection, Certification & Testing S.A.
Gerona. 10-12 - E-09820 El Prat de Llobregat

www.tuv.com



JOAN ALTIMIR ALONSO, TECHNICAL INDUSTRIAL ENGINEER N°. 18178-G, MEMBER OF THE "COLEGIO DE INGENIEROS TÉCNICOS INDUSTRIALES DE GERONA", PRACTICING THE PROFESSIONS IN GERONA, TELEPHONE 650740044

HOLDER: SERVEIS DE MAQUINÀRIA BANYOLINA, S.L. (SEMAB)

SITE: Pg. Generalitat, 18
17820-Banyoles

BACKGROUND:

SEMAB has built a metallic element, to park bicycles. The bicycles remain fixed to the structure designed, allowing parking in indoor and outdoor areas, as well as in private and public areas. The company ordered us to justify the structural strength of the assembly that holds the bikes as well as to determine whether specific technical rules should be applied.

SOLICITATIONS:

Following values have been considered:

- Solicitation Maximum Strength: 200 kg
- Maximum torque resistant at the base of the structure: 320 kgxm
- Maximum traction force on the mounting base: 800 kg
- Maximum strength applied on the structure 1080 kg/cm2

Structural performances:

Resistant torque $W_x = 1,47 \text{ cm}^3$
Permissible maximum stress = 2400 kg/cm2.
Tensile strength of base bolts (M-8) = 1740 kg

CERTIFICATE:

The set with the fixed structural elements described in the drawings provided by the holder:

Meets current regulations concerning stability, assembly manner and the necessary safety factors.

No additional technical standards such as street furniture or safety devices apply to that kind of installation.

JOAN ALTIMIR ALONSO
TECHNICAL INDUSTRIAL ENGINEER
18175G

...YOU MAY ALSO BE INTERESTED IN



contact us for further information or visit semabprojects.com