

# General catalogue

solutions for loading  
and unloading

**2024**





# Index

## 01 ➤ Introduction - Alapont products

---

## 02 ➤ Dock levellers

---

- Hydraulics dock:
  - Hydraulic dock leveller
  - Hydraulic mini-dock
  - Smart-Dock
  - Telescopic dock leveller
  - Vertical dock leveller
  - Table for an isothermal tunnel
  - Custom-made dock leveller
- Mechanical dock:
  - Edge of dock leveller
  - Steel loading bridges
  - Aluminium loading bridges
  - Yard ramp

## 03 ➤ Dock shelters

---

- Retractable dock shelter
- Inflatable dock shelter:
  - Inflatable plus dock shelter
- Foam dock shelter

## 04 ➤ Industrials doors

---

- Sectional doors
- High-speed doors
- Fire doors

## 05 ➤ Industrials platforms

---

- Scissor lift platform
- Single column industrial platforms
- Double column industrial platforms
- Custom-made industrial platforms

## 06 ➤ Accessories for loading docks

---

- Bumpers
- Wheel guides
- Wheel-lock vehicle restraints
- Traffic lights
- Spotlights for docks
- Self tipping container
- Chocks
- Bollards and profiles

## 07 ➤ Maintenance, technical service and spare parts

---

- Maintenance and technical service
- Spare parts

# Introduction

For more than 60 years, the Alapont Group has worked to strengthen his commitment to integral quality **Alapont Logistics Solutions**, born from the collaboration of two PMAF and Tornymark companies, two powerful companies specialized in high quality technological systems of logistics, such as doors, coats and loading docks. Effective and profitable solutions adapted with great precision to all kind of needs.

All **Alapont solutions** are characterized because they are endowed with values such as **efficiency, quality and safety**. In this way they, in different typologies of spaces, both residential and industrial as national and international for those that they have been conceived.

**Alapont Logistics Solutions** is expanded to through a distribution network that is in a continuous development.

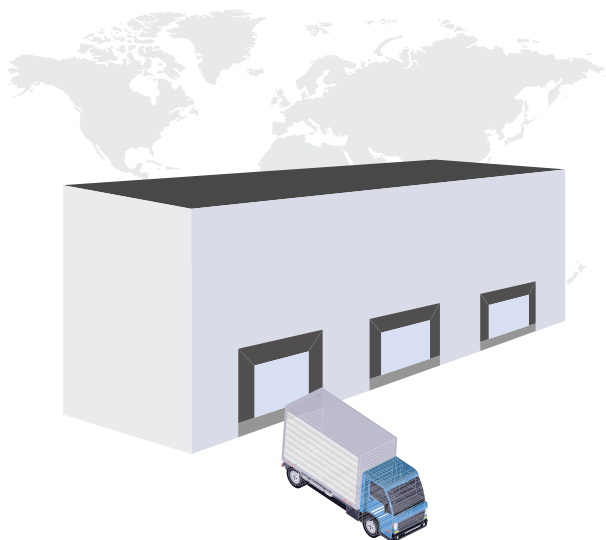


## Innovation and efficiency

Our technical office formed by professionals highly qualified works in the development of new products as well as in searching of innovative solutions.

## Energy efficiency

Thanks to a study carried out by the Polytechnic University of Valencia on the transmission of heat, we are aware of the importance of energy loss in the process of opening the doors at the time of loading and unloading. An optimal design and equipment adapted to the specific use of each installation or ship will reduce the maximum thermal losses.



## Security

Safety at the workplace is essential, in order to avoid the risks linked to accidents or health, as well as deterioration of goods, vehicles or building equipment. We are in constant search for solutions.

## Durability of loading equipment

In the area of loading and unloading, the daily transfer is soon to leave a trace: usury, wear and tear. Design errors tend to quickly lead to urgent repairs and expensive replacements.

The use of high quality materials as well as planning at conception are a safe investment.

# Dock levellers





### ➤ **Hydraulics dock**

- Hydraulic dock leveller
- Hydraulic mini-dock
- Smart-Dock
- Telescopic dock leveller
- Vertical dock leveller
- Table for an isothermal tunnel
- Custom-made dock leveller

### ➤ **Mechanical dock**

- Edge of dock leveller
- Steel loading bridges
- Aluminium loading bridges
- Yard ramp

# Hydraulic dock leveller

The Alapont standard hydraulic dock leveller is the solution that is **suitable for any loading dock**. It is characterised by its strength and safety. It's the fast, economical and easy way to manoeuvre in order to overcome the differences in level between the loading dock and the truck bed.

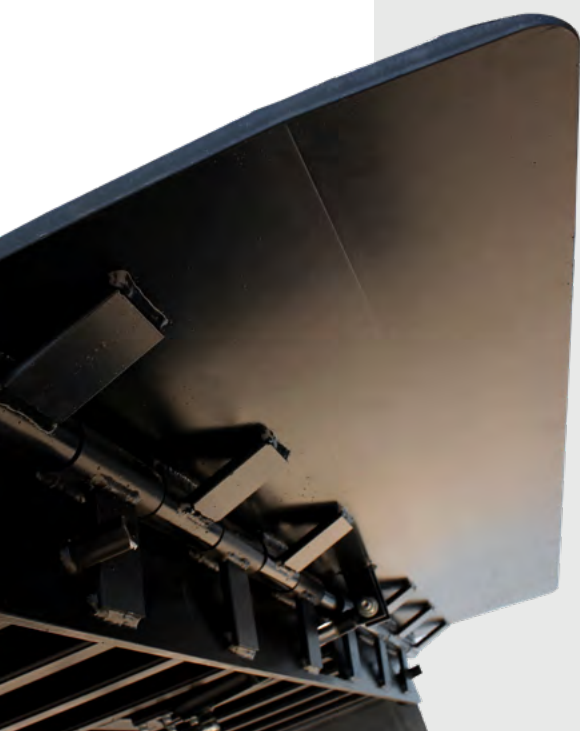
It has a **hinged lip** that allows the lip to adapt perfectly to the truck.



|                       |                                                    |
|-----------------------|----------------------------------------------------|
| Static load capacity  | 9.000 kg                                           |
| Dinamic load capacity | 6.000 kg                                           |
| Power supply          | 400V three-phase                                   |
| Consumption           | 2A                                                 |
| Hydraulic group power | 1,1 kw (1,5 CV)                                    |
| Service pressure      | 170bar                                             |
| Flow                  | 2,2cm 3/s                                          |
| Colour                | Standard: black RAL 9005<br>Possibility galvanized |

## Technical description

- ✓ **The platform** is manufactured in 5/7 diamond plate with a lifting cylinder and a cylinder for the folding lip, which is manufactured of 13/15 diamond plate with a 400 mm overhang.
- ✓ **Full rustproofing** and powder-sprayed with polymerised paint baked-on at 200°C.
- ✓ **Hydraulic motor** unit with a 1.1 Kw (1.5 CV) – 400 three-phase engine, with a self-levelling system.
- ✓ **Lifting cylinder** with a non-return valve to avoid the dock falling abruptly.
- ✓ **Resistant** to temperatures from -20°C to 50°C.
- ✓ **Water-resistant electrical control** panel IP55 fitted with an emergency stop button.



## Control panel functions



|                     |                    |
|---------------------|--------------------|
| Control system      | 24V                |
| Box                 | Yes                |
| Power light         | Yes                |
| Stop button         | Yes                |
| Start control       | Yes                |
| Thermal             | 1.6/2.5 A          |
| Contactor           | 4 Kw               |
| Transformer         | 1 <sup>a</sup>     |
| Temperature         | -20°C a +55°C      |
| Index of protection | IP55               |
| Dimensions          | 300 x 250 x 100 mm |



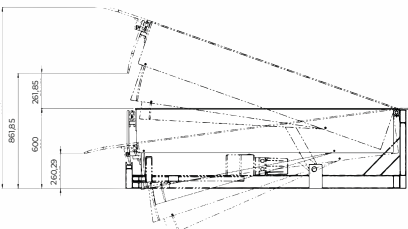
## Components

- 1 Sturdy folding lip** hinge reinforced with gussets and 24-mm shaft.
- 2 Platform with 10 structural tubes** that guarantee the dock leveller's resistance and durability, avoiding deformations.
- 3 Cylinder for the folding lip.** This guarantees control of the lip movement with total safety and firmness.
- 4 Reliable safe operation.** Cylinder equipped with an emergency non-return valve to ensure safe and balanced operation.
- 5 Reinforced hinges.** Hinges reinforced with gussets.

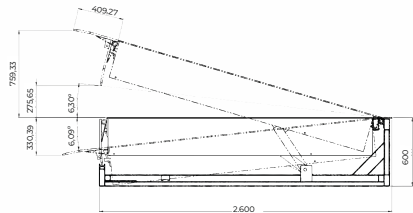


# Hydraulic dock leveller plan

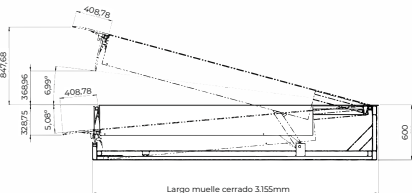
2.000 x 2.155 mm dock



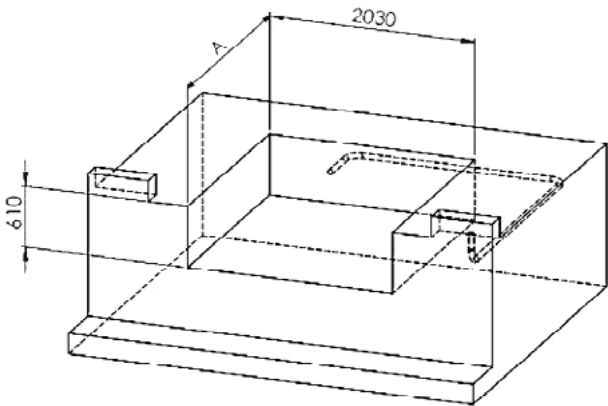
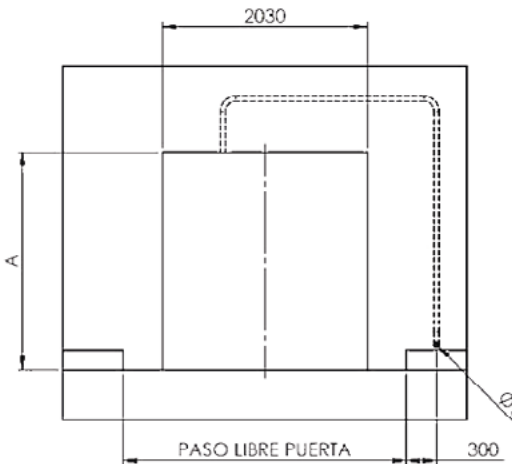
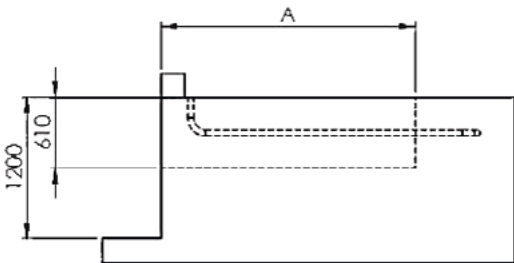
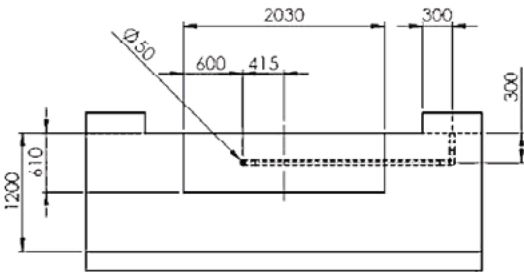
2.000 x 2.600 mm dock



2.000 x 3.155 mm dock



## Pit dimensions



### Dimensions (mm)

#### Dock leveller

#### Pit

| Width x length | Width (W) | Lenght (L) | Height (H) |
|----------------|-----------|------------|------------|
| 2.000 x 2.155  | 2.030     | 2.155      | 605        |
| 2.000 x 2.300  | 2.030     | 2.300      | 605        |
| 2.000 x 2.500  | 2.030     | 2.500      | 605        |
| 2.000 x 2.800  | 2.030     | 2.800      | 605        |
| 2.000 x 3.155  | 2.030     | 3.155      | 605        |





# Hydraulic mini-dock

Greater security, easily and economically.

Alapont's mini hydraulic loading ramps attached to the loading dock are a simple and economical solution for loading and unloading trucks.

They have a dynamic 6t capacity. Installation of the mini-dock is simple.

The standard model comes with two heavy duty rubber buffers which protect the ramp by cushioning the impact of the truck against the building wall.



## Functioning

By pressing the button on the control panel, the lip is positioned on the truck bed.

It has a dynamic 6t capacity. It comes standard with two 250 x 500 x 100 mm black rubber buffers and a control panel.

## Advantage

- ✓ Non-slip surface.
- ✓ No need for works or modification of the dock existing.
- ✓ Ergonomics and safety.
- ✓ Easy maintenance.



## Other options

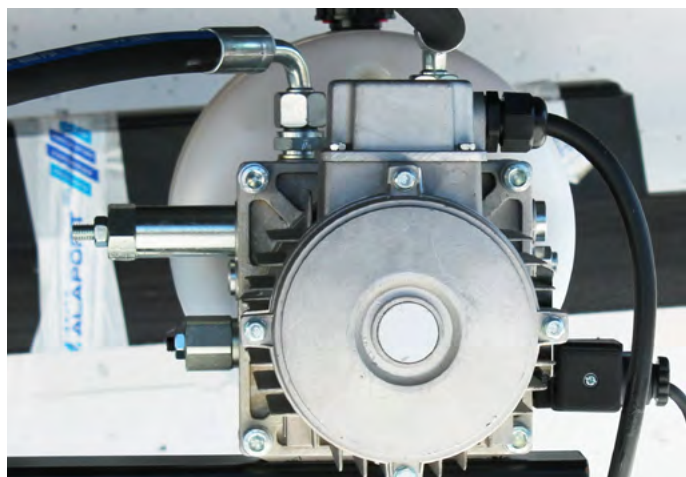
- ✓ Galvanized finish.
- ✓ Painted finish in another RAL color.
- ✓ Self-supporting structure.
- ✓ Option with metal stops.
- ✓ Option metal support foot for frame maneuver.



## Hydraulic group

The hydraulic group consists of a three-phase motor.

It is located under the platform to be more protected and at the same time easily accessible in case of need for intervention by staff skilled. Power supply: 3 x 400V, 0.75 kW.



## The control panel

IP 65 protection box, with lip control button. The main switch allows the lip to be locked in any position the lip is in.

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Unevenness                      | + 100/-100 mm                             |
| Ramp width                      | 2 000 mm / 2 200 mm / 6' / 7'             |
| Total projection platform + lip | 680 mm                                    |
| Total width of ramp + stops     | 2 640 mm                                  |
| Rubber buffers dimensions       | 250 width x 500 height x 100 mm thickness |

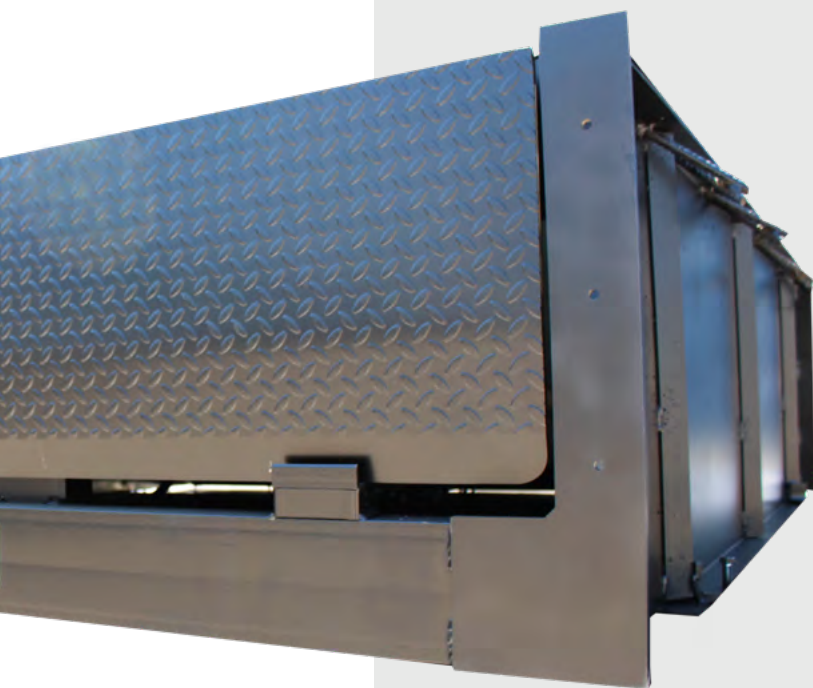


# Smart-Dock

The Smart-Dock platform aids in implementing new loading and unloading areas in your industrial building. It consists of a **formwork box** that comes already **equipped with the leveller for the loading dock with the chosen size, already pre-installed in its own pit** and with the wiring ready for operation.

The possibilities of human error in the phase of creating the plinth are reduced, assembly times are reduced and **costs are minimised** by dispensing with the construction of the pit.

Smart-Dock platforms are ready to be **used immediately after being put in place**.



## Technical description

✓ **Structure with a galvanized finish** as a metallic enclosing niche, resistant to concrete against it on site.

✓ **Hydraulic dock.**

**The platform** is made of teardrop steel 5/7 with one **lifting cylinder and one cylinder for the folding lip**, which is made of sheet metal teardrop of 13/15 and has a projection of 400 mm.

**Anti-corrosion treatment** in its entirety and powder-coated with baked-on polymerized paint at 200°C.

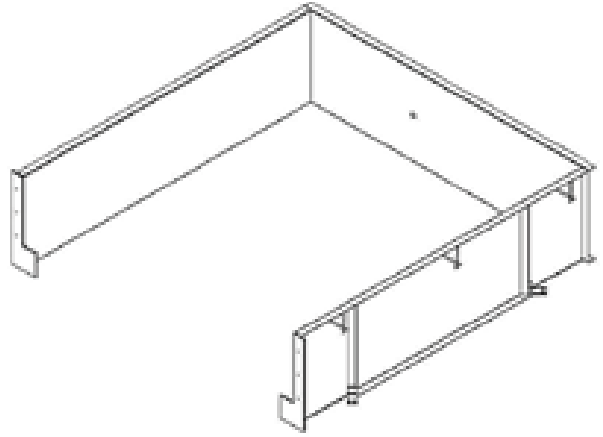
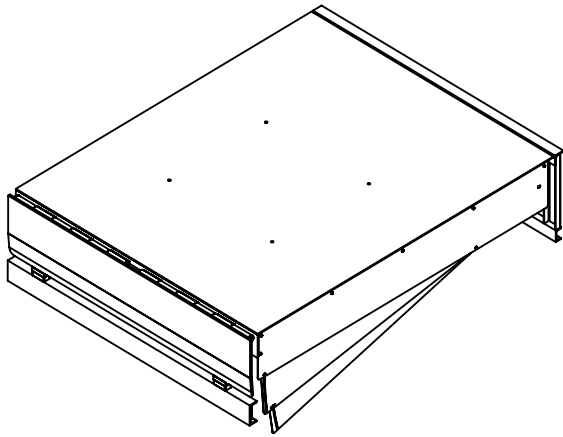
**Hydraulic group** with motorization and self-leveling system.

Lifting cylinder with **parachute valve** to avoid a sudden fall of the spring.

**Resistant** to temperatures between **-20 °C to 50°C**.

**Electric control panel** with resistance to water IP55 equipped with emergency stop mushroom.





### Smart-Dock + hydraulic leveller

|                       |                                                    |
|-----------------------|----------------------------------------------------|
| Static load capacity  | 9.000 kg                                           |
| Dinamic load capacity | 6.000 kg                                           |
| Power supply          | 400V three-phase                                   |
| Consumption           | 2A                                                 |
| Hydraulic group power | 1,1 kw (1,5 CV)                                    |
| Service pressure      | 170bar                                             |
| Flow                  | 2,2cm 3/s                                          |
| Colour                | Standard: black RAL 9005<br>Possibility galvanized |

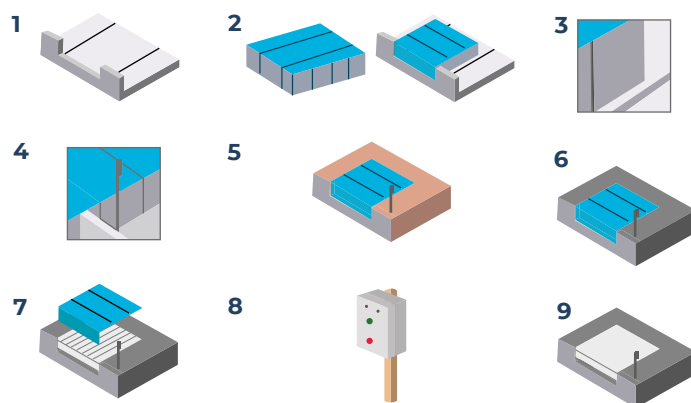
## Characteristics

- ✓ **This does not need a construction work pit:** since it **includes its own metal structure**, it does not require the building of side or rear walls to house the dock.
- ✓ **Greater sturdiness against front impact** from vehicles. Since the formwork is carried out against the enveloping metal structure of the Smart-Dock, the latter is fully embedded in the construction work all around its perimeter.
- ✓ **Quick and easy assembly.**
- ✓ **Greater strength and more durability than conventional pit docks.**
- ✓ **Ready for immediate use.** With the construction completed, the protective elements that envelop the Smart-Dock are removed and the control panel is attached, to which the electrician has connected the power supply.
- ✓ **Option:** formwork box for hatch.



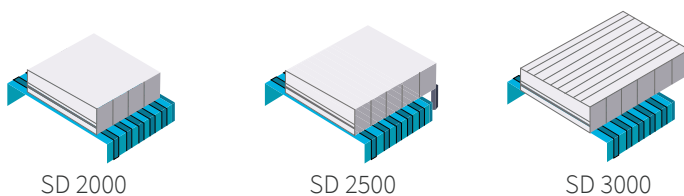
## Installation process

- 1 Preparation.
- 2 Download and location.
- 3 Anchorage.
- 4 Fixing of the connection mast.
- 5 Filling and compaction.
- 6 Solera.
- 7 Removing the cover and mounting the rubber stops.
- 8 Electrical installation.
- 9 Installation finished.

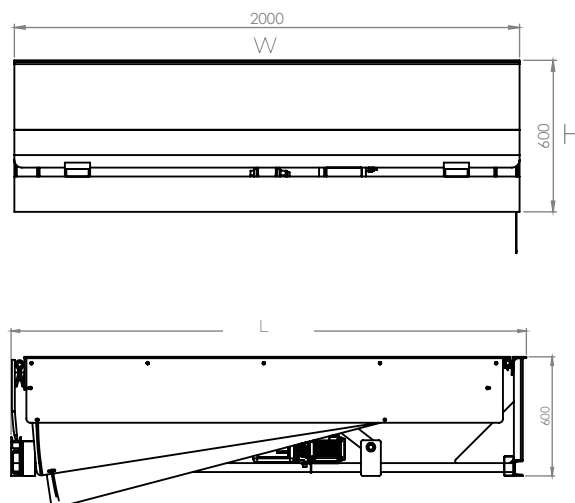
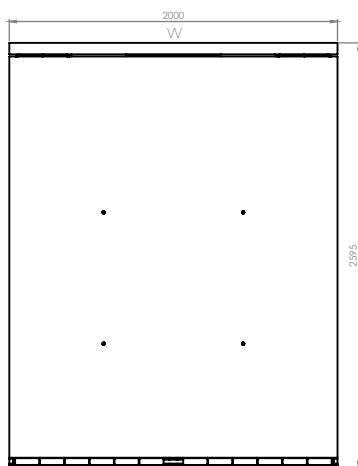


## Formwork box

- ✓ Formwork box for hatch.



## Plans and dimensions



### Dimensions (mm)

| Smart-dock (W x L x H) | Ref           |
|------------------------|---------------|
| 2.000 x 2.155 x 600 mm | 0101BG0301000 |
| 2.000 x 2.300 x 600 mm | 0101BG0307000 |
| 2.000 x 2.500 x 600 mm | 0101BG0302000 |
| 2.000 x 2.800 x 600 mm | 0101BG0308000 |
| 2.000 x 3.155 x 600 mm | 0101BG0303000 |
| 6' x 8' x 500mm        | 0201BG0202000 |



# Telescopic dock leveller

The has a retractable lip that aids of the truck bed.

Thanks to its retractable lip, . In addition, it allows greater attachment to the bed of the vehicle. This loading dock leveller is designed for installations where , both inside and outside.



| Leveller (widthxlength) | Lip   | Reference    |
|-------------------------|-------|--------------|
| 2.000 x 2.500 m m       | 1.000 | 0103A0302000 |
| 2.000 x 3.155 mm        | 1.000 | 0103A0303000 |

## Technical description

- ✓ **The platform and lip** are manufactured from high-quality diamond plate: The platform is manufactured of 8/10 diamond plate, while the telescopic lip is 13/15 plate.
- ✓ **The lip is reinforced by 8 profiles.** The rear part of the platform is attached by two hinges to the lower frame.
- ✓ **Full rustproofing** and powder-sprayed with polymerised paint baked-on at 200°C.
- ✓ **Hydraulic motor** unit with a 1.1 Kw (1.5 CV) – 400 V, three-phase engine, with a self-levelling system.
- ✓ **Lifting cylinder** with a non-return valve to avoid the dock falling abruptly.
- ✓ **The telescopic lip** is operated by a double-action cylinder.
- ✓ **The hydraulic system** is totally sealed to stop dirt, dust or sand entering.
- ✓ **Resistant** to temperatures from -30°C to 50°C.
- ✓ **Water-resistant electrical control** panel IP55 fitted with an emergency stop button.



# Controls

With the **four-button control panel**, each movement of the platform, as well as the telescopic lip, can be directed at each position.

Both parts of the hydraulic action can be independently activated.

**Handling is simple:** continuously pressing the platform button moves the platform from rest to its raised position until the desired loading height is achieved.

With the help of the lip button, the lip immediately slides over the vehicle floor until it reaches the desired position.

By releasing the platform button the lip descends directly onto the vehicle's interior floor.

After the loading and unloading process, the dock can easily be returned to its initial position.



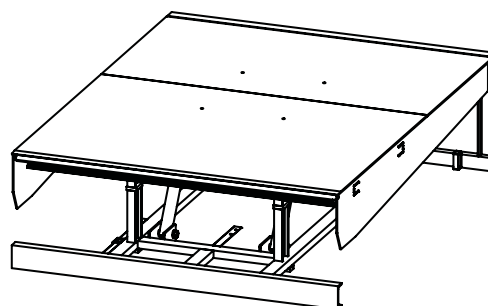
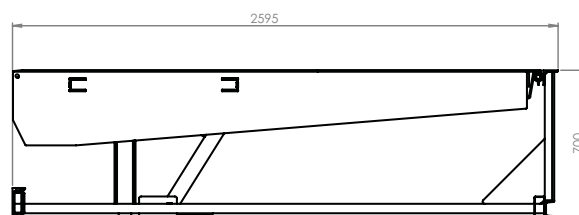
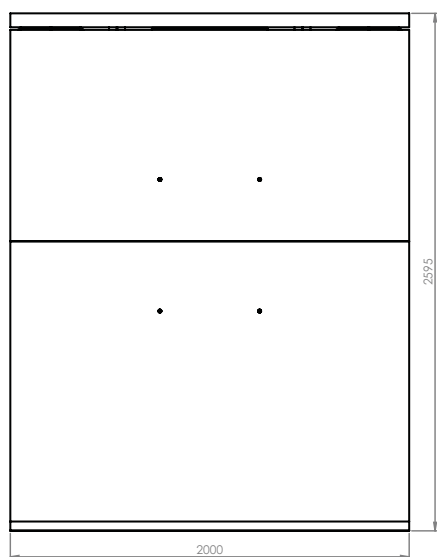
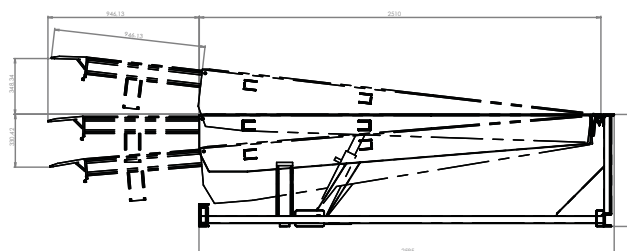
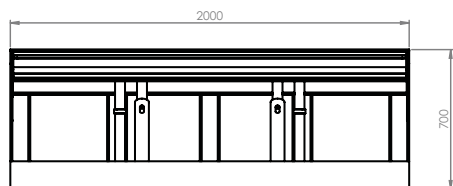
|                       |                                                    |
|-----------------------|----------------------------------------------------|
| Static load capacity  | 9.000 kg                                           |
| Dinamic load capacity | 6.000 kg                                           |
| Power supply          | 400V three-phase                                   |
| Consumption           | 2,5A                                               |
| Hydraulic group power | 1,1 kw (1,5 CV)                                    |
| Service pressure      | 100bar                                             |
| Flow                  | 2,2cm 3/s                                          |
| Colour                | Standard: black RAL 9005<br>Possibility galvanized |

## Standard safety devices

- ✓ Fully hydraulic **safety stop**.
- ✓ **Emergency stop button** with restart fuse.
- ✓ Motor safety with a **thermal relay**.
- ✓ A **sturdy adjustable support foot** for cross traffic.
- ✓ Black and yellow **safety mark**.
- ✓ **Maintenance support**.



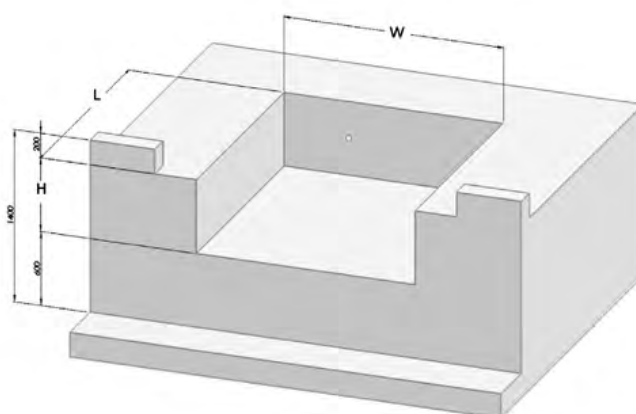
## Plans



## Pit dimensions (mm)

### Dimensions (mm)

| Leveller       | Pit       |            |            |
|----------------|-----------|------------|------------|
| Width x Length | Width (W) | Length (L) | Height (H) |
| 2.000 x 2.500  | 2.030     | 2.500      | 700        |
| 2.000 x 3.155  | 2.030     | 3.155      | 700        |



# Vertical dock leveller

The vertical leveller for loading docks is the **ideal solution for places that require strict temperature control and high levels of cleanliness**. Combined with other components such as inflatable shelters or sectional doors, it ensures a degree of protection of between 96 and 98%.

When not in use, the leveller is stored vertically, enabling the sectional door to be closed completely down to the ground, thus preventing possible leaks that could destabilise the inside temperature. In this way **efficiency is improved and energy loss is minimised**. This also leads to a reduction in the emission of **greenhouse gases** such as CO<sub>2</sub>, thereby contributing to a **more sustainable ecosystem**.

The truck's doors can be opened from inside the **building**, thus avoiding breaking the cold chain and aiding loading and unloading operations in the logistics centre.



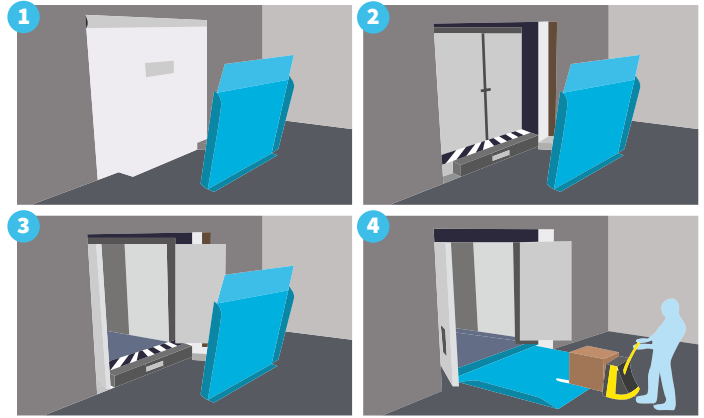
## Technical description

- ✓ **The platform** is manufactured in 6/8 diamond plate and the fixed lip in 13/15 diamond plate.
- ✓ **Full rustproofing** and powder-sprayed with polymerised paint baked-on at 200°C.
- ✓ **Hydraulic motor** unit with a 1.1 Kw (1.5 CV) – 400 V, three-phase engine, with a self-levelling system.
- ✓ **Lifting cylinder** with a **non-return valve** to avoid the dock falling abruptly.
- ✓ **Resistant** to temperatures from -30°C to 50°C.
- ✓ **Water-resistant electrical control** panel IP55 fitted with an emergency stop button.
- ✓ **Easy to operate**. The control panel allows simple and efficient operation in a sequential manner, saving on loading and unloading time.
- ✓ The Alapont vertical dock leveller **reduces energy loss in refrigerated vehicles**, making them an ideal solution for refrigerated trailers and installations that demand rigorous health standards such as the food and beverage or pharmaceutical sectors.
- ✓ When not in use, the leveller is stored vertically, thereby enabling **the sectional door to be closed completely down to the ground**.



# Application

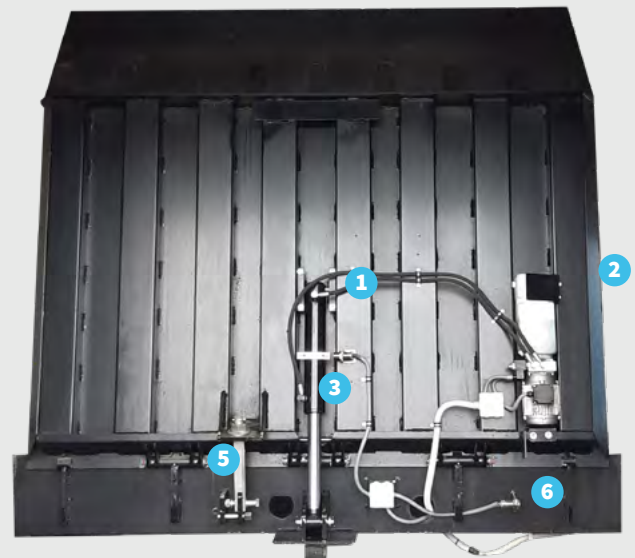
- 1 This is positioned vertically so that the door remains closed.
- 2 The HGV doors can remain closed and the driver does not need to leave the cabin.
- 3 The dock operator opens the vehicle doors from inside the building and lowers the dock leveller until it reaches the ideal position.
- 4 The loading and unloading process is undertaken as on a conventional dock.



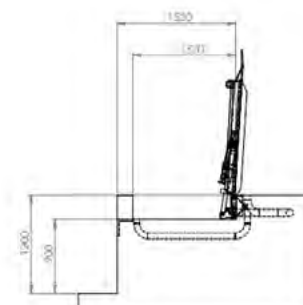
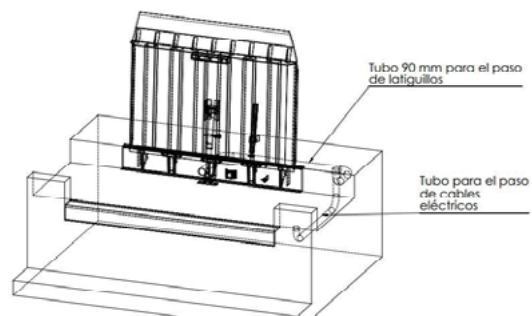
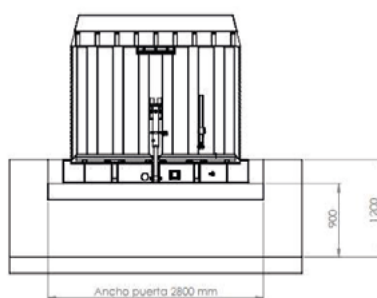
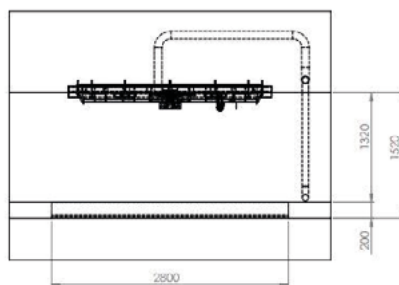
|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Static load capacity  | 9.000 kg                                          |
| Dinamic load capacity | 6.000 kg                                          |
| Capacity              | 30000 lbs / 50000 lbs                             |
| Power supply          | 400V three-phase                                  |
| Consumption           | 2A                                                |
| Hydraulic group power | 1,1 kw (1,5 CV)                                   |
| Service pressure      | 170bar                                            |
| Flow                  | 2,2cm 3/s                                         |
| Colour                | Standard: black RAL 9005. Possibility galvanized, |

## Safety specifications

- 1 The **non-return valve** on the cylinder prevents the platform from falling in the event of the rupture of a hose or failure of the hydraulic solenoid.
- 2 The **side baseboards** are high-visibility to comply with regulations.
- 3 **Sensor indicating position.**
- 4 Safety side socket.
- 5 **Safety pole** for maintenance tasks.
- 6 **Sensor** that enables the constant levelling of the dock on the HGV facilitating loading and avoiding harsh knocks during transport.
- 7 **STOP button** on the control station that stops the dock in its current position during an emergency.



## Pit dimensions



| Leveller (width x length) | Lip | Reference    |
|---------------------------|-----|--------------|
| 2.200 x 1.850 mm          | 400 | 0106B0101000 |
| 2.200 x 2.400 mm          | 400 | 0106B0103000 |



## Advantages over the traditional ramp



### MORE EFFICIENT SEALING

Thanks to its vertical positioning, **it allows the truck doors to be opened from the inside**, preventing the cold chain from being broken, reducing times by operation and providing more efficient sealing.

### REDUCE PIT

Having a **smaller pit** than the conventional one makes the dimensions of the hole through which air can escape decrease, so that **the air leakage from the interior is less**.

### IMPROVES HEALTH AND HYGIENE LEVELS

Its vertical position **allows quick and convenient access to the pit for cleaning**, which is vital to maintain the high standards of sanitation required in sectors such as food.

### ENERGY SAVING

Through a more efficient sealing and its vertical position, this type of loading docks **manages to reduce significantly lost energy**, which is a great saving for companies.

### EASY TO OPERATE

It has a **simple and efficient control panel** of sequentially. Thanks to the simple operation of the vertical loading dock, time is saved during loading and unloading tasks.

### MAXIMUM SECURITY

The vertical loading dock has multiple safety devices: **parachute valve, side footrests, position indicator sensor, forklift safety base ...**

### REDUCTION OF CO2 EMISSIONS

In the same way that energy needs decrease with the vertical loading dock, emissions of greenhouse gases such as CO2 are also reduced, **favoring a more sustainable ecosystem**.

### QUICK AMORTIZATION

Thanks to the energy savings obtained from vertical loading docks, **companies can recover their investment more quickly** than with docks traditional.

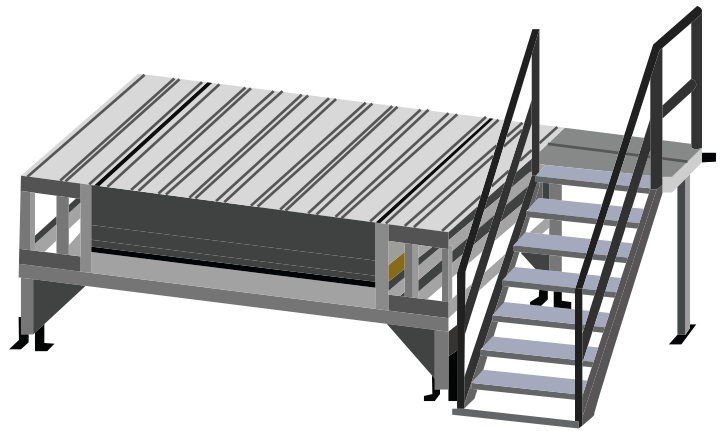


# Table for an isothermal tunnel

Alapont's tables for isothermal tunnels are structures with **added loading points installed on the outside of the building**. They are a good solution when the construction of the buildings does not allow the installation of internal levellers or a pit is not envisaged for the docks.

They are **installed in front of the warehouse**, allowing full use of the floorspace.

They are tailored to meet the client's requirements. The loading dock leveller can be standard, telescopic or vertical. Similarly, the shelter may be retractable or inflatable, depending on the characteristics required.



## Technical characteristics

The **complete isothermal tunnels** consist of:

- ✓ A **table** or metal structure with a loading dock.
- ✓ The side and top **cladding**.
- ✓ A loading aperture with a **dock shelter**. Fitted with **sectional doors**.

This is an ideal solution for extending your warehouses or reforming existing ones by providing a new loading point without modifying the building's current perimeter.



# Custom-made dock leveller

Custom-made levellers for loading docks are the solution for renovating the loading area without the need for construction work. In addition to our standard measurements, at Alapont **we can design a custom-made dock leveller for you**, adapting to the different characteristics of loading dock and helping to replace them, **regardless of their manufacturer.**

**Since they fit into the existing space, no construction work needs to be carried out**, which means a **great financial and labour saving** as there is no need to virtually paralyse production. Once manufactured, they only require **one day for installing.**

We also **manufacture fully custom-made dock levellers**, as is the case with the platform specially made for loading and unloading livestock in slaughterhouses.



## Strong-Dock

**Custom made loading dock for the livestock sector.**

The **Strong-Dock** is a hydraulic dock leveller that **allows each floor of the truck to be evacuated at once**. This makes the cattle get out of this comfortably without any burden by going all together and not having to deal with significant unevenness that make it difficult to get to the slaughterhouse.

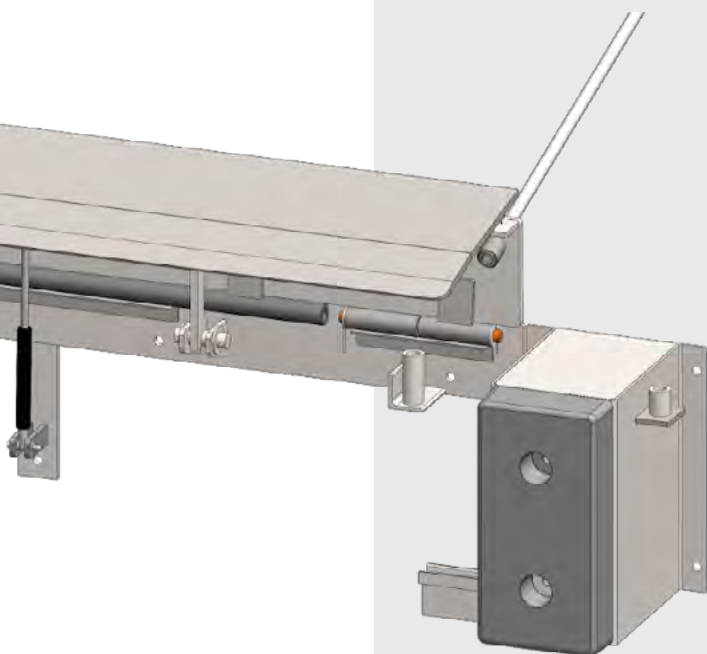
Thanks to this platform, it is avoided that animals can be harmed when getting on or off the truck, **reducing unloading times**, thus **optimizing the work of the operators and increasing the quality and quantity of the product**, by avoid subjecting it to large doses of anxiety that spoil your meat.



# Edge of dock leveller

The Mini-Dock or **edge of dock leveller** is the **best loading and unloading option for goods in small spaces**, where installing a conventional levelling ramp is not possible.

No pit required, so no construction work is necessary. This represents a **major financial and production savings** since the loading area remains operational during the days that the construction work would otherwise take in the case of a regular loading dock ramp, and hardly any work time is thus wasted.



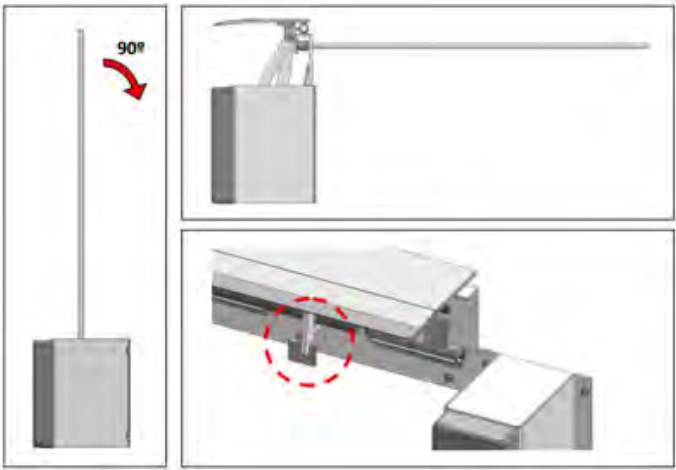
## Characteristics

- ✓ **Does not require construction work** other than the fitting of a metal angle if one is not in place, so it ends up being cheaper than a conventional ramp.
- ✓ Its **easy installation and handling** by the operator make it an economical and efficient solution for loading and unloading goods at loading docks.
- ✓ Platform and lip manufactured in **13/15 diamond plate**, giving it greater strength and durability.
- ✓ It incorporates **two 500 X 250 X 90 moulded rubber reinforcements** to protect the building and the loading dock from damage.
- ✓ **A dynamic capacity of 6,000 Kg.**
- ✓ The Mini-Dock is 2,000 mm wide, which makes it suitable for any vehicle except vans. If it needs to be installed in a warehouse where items are loaded and unloaded **with vans or with a vehicle of a width less than 2,000 mm**, we at Alapont Logistics offer the possibility of **customising the tip and cutting it narrower** (minimum 1,600 mm) so that vehicles of a lesser width than the conventional Mini-Dock can enter.
- ✓ **Ease of maintenance.**

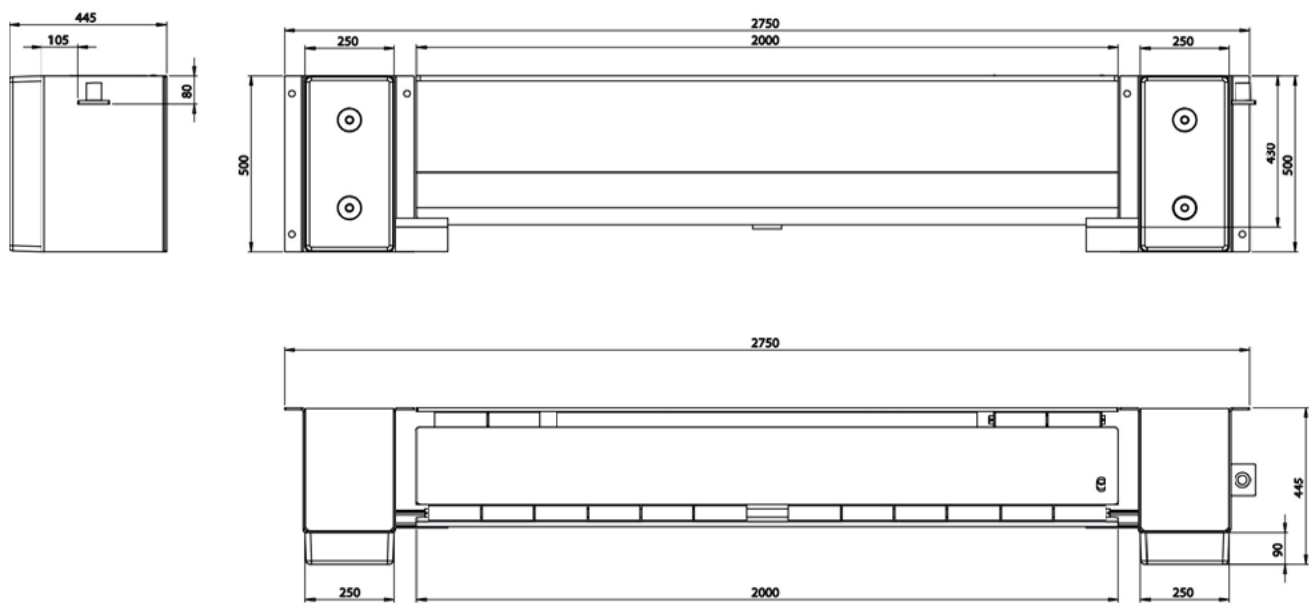


# Leveler operation

- 1 The operating lever** is inserted into the cavity located next to the platform **and then pulled backwards**. The platform will be lifted by springs until it is upright and anchored by the anchor bar.
- 2 Pushing the lever forward causes the platform to descend and the lip extends** automatically towards the vehicle.
- 3 To return to its initial position**, the **opposite process needs to be carried out**: pull the lever back so that the platform is raised by the springs until the anchor bar slides in front of the anchor and can descend without any problems. The lever is then pushed forward slowly, so that the platform descends and the lip folds automatically, remaining in its initial position.



## Plans (standard measure)

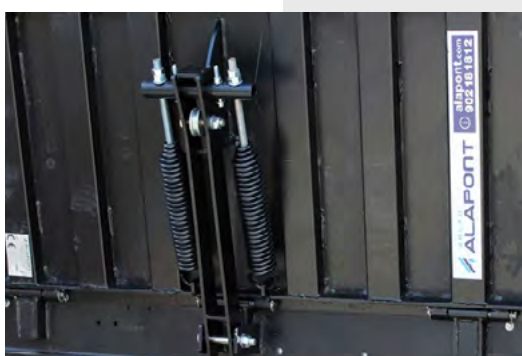


# Steel loading bridges

Alapont steel loading bridges are designed to bridge the space between docks and HGV loading platforms that are situated at different levels. They function as a route between the HGV and the areas of the building where goods are stored.

They are **tough and safe**, ideal for use by people and transportation equipment whether operated manually or motorised (forklifts) even in the least-favourable situations.

We offer two types of product: **levellers that slide the length of a guide rail** and **fixed levellers**.



## Technical description

- ✓ **Platform movement is balanced by high-tensile steel-alloy springs, perfectly balanced between strength and elasticity**, enabling total compensation of the platform weight for effortless handling by the operator when levelling the platform.
- ✓ **The platform can be blocked in the waiting position** for increased safety and ease of handling, helping to avoid accidental collisions during the HGV's backing and approach.
- ✓ A platform fitted with a **non-slip safety surface** for transporting goods, reinforced with structural tubing.
- ✓ **Low-friction articulation and zero maintenance**, unaffected by dirt or foreign bodies.
- ✓ **Guided crosswise on an endless rail** (sliding type) formed of two vertically supported radial bearings plus two tandems of rollers to counterbalance the turning moment, which enables easy sliding on the railing in a vacuum and furthermore absorbs the forces and impacts affecting the guide rail, so that it maintains its straightness.
- ✓ **Standard color black RAL 9005.**



# Characteristics

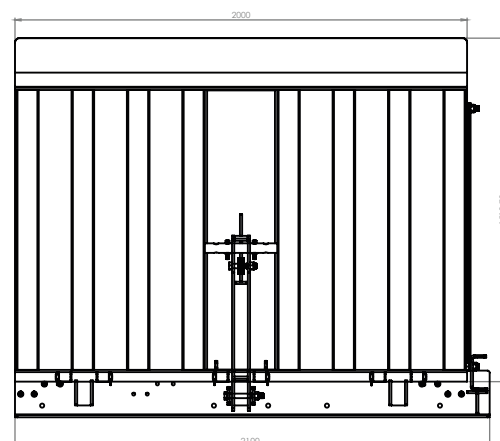
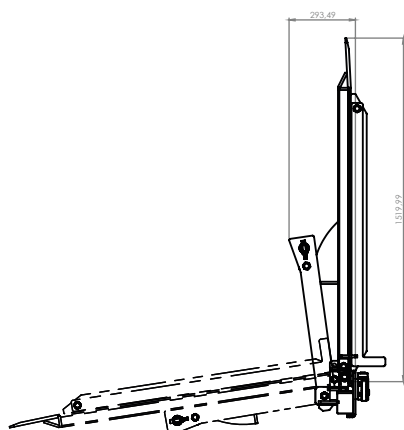
- ✓ Manual loading bridges are characterized by having a lower price than the already known hydraulic levellers, or hydraulic loading docks, since in this case, they **do not require the construction of a pit**. Its installation is very simple, looking at the dock of the building or, where appropriate, at the platform, if available.
- ✓ Another of the main factors to take into account is that these loading and unloading bridges **do not require an electrical current**, making it ideal for ships with no light availability.
- ✓ They can be **fixed or mobile**, and can be moved laterally optimizing their use.



## Plans



Installation steel loading bridges



### Dimensions

| Width x lenght (mm) | H1 (cm) | H2( cm) | Max. load (kg) |
|---------------------|---------|---------|----------------|
| 1.500 x 1.000       | 21      | 14      | 5.000          |
| 1.500 x 1.200       | 25      | 18      | 5.000          |
| 1.500 x 1.500       | 30      | 23      | 5.000          |
| 2.000 x 1.000       | 21      | 14      | 5.000          |
| 2.000 x 1.200       | 25      | 18      | 5.000          |
| 2.000 x 1.500       | 30      | 23      | 5.000          |



# Aluminium loading bridges

Like the steel loading bridge, the aluminium one is used to level the truck with the warehouse and to load and unload goods. It is installed over a supporting runner which includes wheels with ball bearings for . The bridge can slide within a steel guide rail.

It is positioned vertically when not in use. It is fitted, and a laterally fixed recoil arm that allows an .



## Loading models bridges

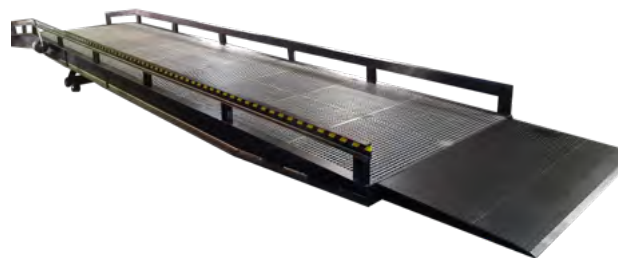
- ✓ **HFB:** The **transportable HFB leveller** is ideal for bridging height **differences of up to 130 mm**. It is ideal for side loads or when there is minimal space and a height difference between the HGV and the dock. It is manufactured of **hollow hexagonal profiles 40 mm thick**. Optional: equipped with two **side wheels** for easy movement.
- ✓ **KBS:** The **KBS type folding load leveller** is ideal for bridging **minor and medium height differences up to 140 mm** with a maximum allowed slope of  $7.0^\circ$  ( $\approx 12.5\%$ ). The **possibility of being able to move the leveller left or right within its guide rail** means it can be positioned exactly in the most suitable spot. For safe, effortless placement, the platform **has a side lever for lowering** and raising the leveller. The entire width of the support lip must rest on the vehicle floor. An **anti-fall safety mechanism** that automatically engages in the guide rail is a simple yet effective system to stop the platform tipping in an unwanted manner.
- ✓ **SKB:** The **SKB type** of folding dock leveller was developed for bridging **medium levels differences up to 140 mm** with a maximum allowed slope of  $7.0^\circ$  ( $12.5\%$ ). This light aluminium platform, which rests on a sliding support of forged wheels with ball bearings, is **easy to handle and move sideways**. The **steel guide rail is covered on top** so it can be stepped on and does not get dirty. **In its rest position, the leveller sits vertically** at the dock's front edge, held by an **anti-fall system** that engages automatically when the platform is raised. Models with a **length less than 1 065 mm** without compensation springs use an **anti-tipping system**.



# Yard ramp

Alapont Solutions Logistics's 12 metre yard ramp is the most effective solution when a loading dock for performing loading and unloading tasks is not available.

They are **designed to comply with Standard UNE-EN 1398**. The movement train is located at the levellers' centre of gravity, so they are always balanced.



## Manual

It is powered by a manual pump.

## Electro-hydraulic

It is controlled by an electrical panel connected to the 220 / 380V electrical network. Three-phase with a 1.5CV.380V.50Hz electric motor.

## Battery

It is powered by an electric group powered by two 24V batteries, with a 1.5CV.24V electric motor

## Technical description

### ✓ Platform (yard ramp)

A **structure** built with **hot-rolled profiles**. The **ends** of the leveller are made out of **5/7 mm non-slip teardrop plate**.

The rest of the rolling surface is composed of **electro-welded grating modules with an anticorrosive galvanic bathing**.

On the sides of the structure there are associated **guardrails** with **stickers labelled** with eye-catching colours on the outside.

### ✓ Movement train

Manufactured from **hot-rolled profiles**. It is equipped with a movement assembly with two cast iron wheels covered with vulcanised polyurethane. Associated with this is another raising assembly consisting of a hydraulic unit.

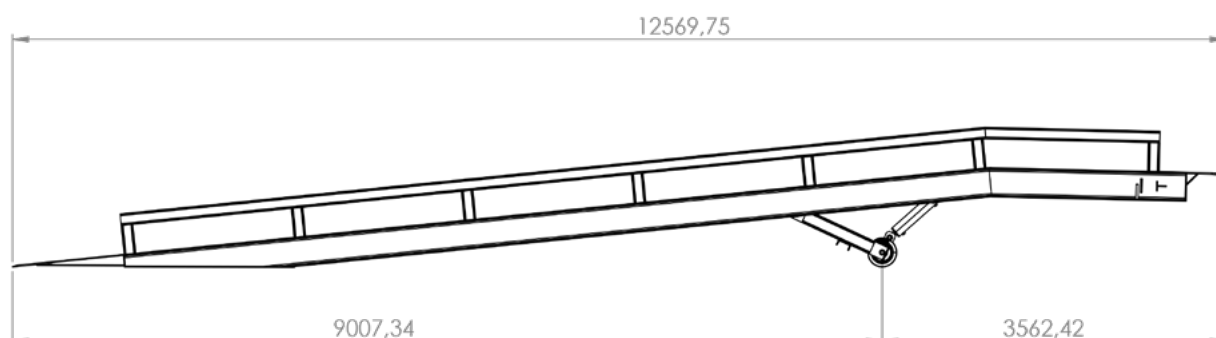
The entire movement train is located at the levellers' centre of gravity, ensuring that it is always balanced.

### ✓ Safety systems

- Chains for attaching the leveller to the truck.
- A fall-arrest valve on each hydraulic cylinder.
- Emergency stop button.
- Non-slip pathway.

### ✓ Hydraulic unit

- A hydraulic pump with a flow rate of 5 litres/minute
- A 7 litre reservoir with fluid level peephole.
- Block where all the elements are incorporated, including the 24v solenoid valve with switching.
- Two cylinders with 35 mm diameter rods for raising the platform, with fall-arrest safety valve.
- Hoses.



# Dock shelters





- Retractable dock shelter
- Inflatable dock shelter
  - Inflatable plus dock shelter
- Foam dock shelter

# Retractable dock shelter

Alapont retractable dock shelters provide great **weather protection**. They adapt to different types of trucks and goods, and to the building's degree of exposure to the outside. **They prevent the passage of air, water or gases** and provide **great energy savings**.

Thanks to its retractable structure with vertical movement, if a truck performs an incorrect manoeuvre, the shelter can pivot upwards to prevent damage to the truck and to itself. Resistance to moisture, to abrasion and to the ageing caused by sunlight.



## Technical characteristics

- ✓ **Structure** with an anodised extruded aluminium frame and a rear frame of galvanised steel.
- ✓ The structure is covered by a continuous single piece of retractable. So it avoids cracks, leaks and air currents from escaping between the top and sides. Rainwater drains off over the sides of the dock shelter, so that no water can filter in during loading when the dock is open.
- ✓ **The frames** are connected to each other by arms. In the case of an uneven coupling, the dock shelter can pivot upwards to avoid damage to the shelter or to the HGV. In reverse, the HGV backs towards where the upper panel is positioned, fully accessible to the internal loading means.
- ✓ **The retractables are manufactured of polyester fibre covered by an upper layer of PVC.** The special fabric of the sides makes them more flexible longitudinally while keeping their rigidity width-wise. The side retractables are fitted with warning bands to guide the driver when backing the HGV.



## Dimensions

Alapont Logistics canvas coats are adapted to the standard dimensions of the trucks being this of 3,400x3,400mm.

|                                           |                        |
|-------------------------------------------|------------------------|
| <b>Width:</b>                             | 3.400 mm               |
| <b>Height:</b>                            | 3.400 mm               |
| <b>Depth at front:</b>                    | 600 mm                 |
| <b>Width of side retractable:</b>         | 600 mm                 |
| <b>Width of top retractable:</b>          | 1.000 mm               |
| <b>Thickness of the front covers:</b>     | 3 mm                   |
| <b>Width of assembly, over the truck:</b> | 500 mm                 |
| <b>Weight of screens:</b>                 | 3.000 g/m <sup>2</sup> |
| <b>Standard colour:</b>                   | Black                  |

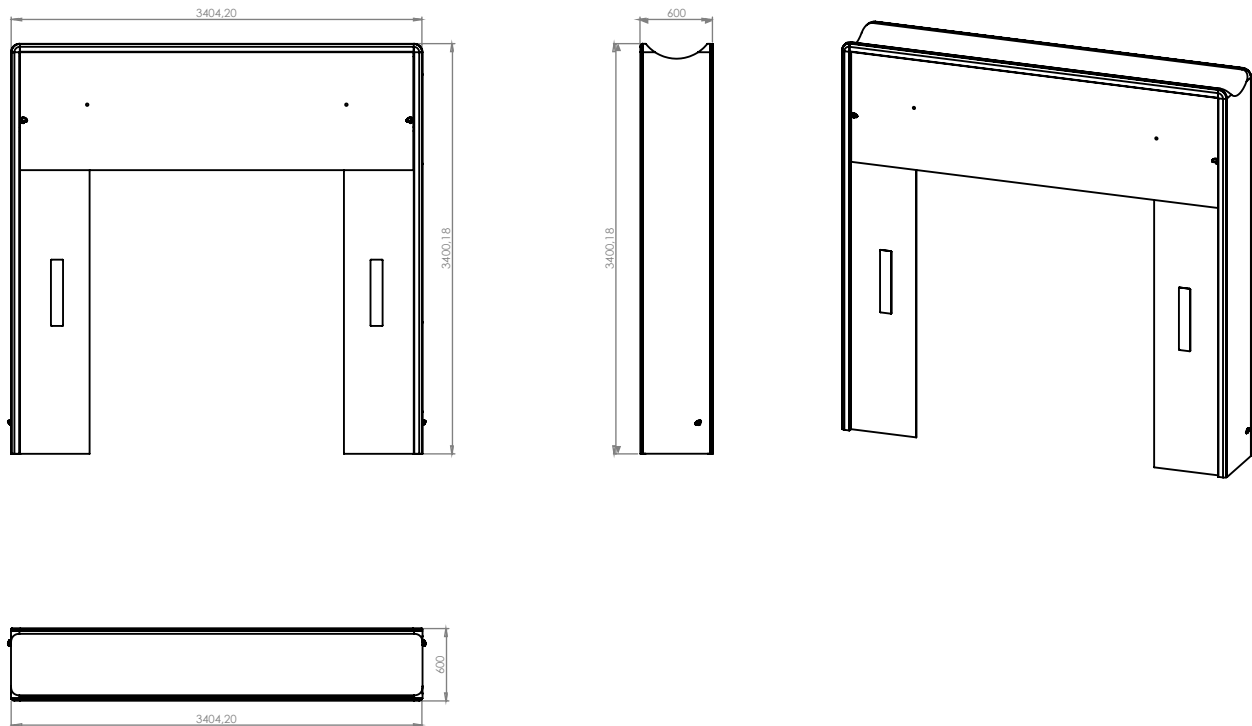


## Technical characteristics

|                                          |                        |
|------------------------------------------|------------------------|
| <b>Upper coverage hardness:</b>          | 80° shore A            |
| <b>Lower cover hardness:</b>             | 80° shore A            |
| <b>Continuous of fiction on steel:</b>   | 15° c a 80° C          |
| <b>Coeficient of fiction on steel:</b>   | 0.4                    |
| <b>Weight of the textile support:</b>    | 0.52 kg/m <sup>2</sup> |
| <b>Support:</b>                          | Polyester fabric       |
| <b>Linear breaking strength:</b>         | 170 N/mm               |
| <b>Resistance to cross breaking:</b>     | 86 N/mm                |
| <b>Enlogation at linear break:</b>       | 16%                    |
| <b>Enlogation at transverse break:</b>   | 25 %                   |
| <b>Linear tear resistance:</b>           | 400 N                  |
| <b>Resistance to transverse tearing:</b> | 200 N                  |
| <b>Adehsion between layers:</b>          | >/=3Kg/Cm              |



## Plans



| Retractable characteristics       |                   | Top retractable | Lower retractable |
|-----------------------------------|-------------------|-----------------|-------------------|
| Total weight (gr/m <sup>2</sup> ) | DIN EN ISO 2286-2 | 3.700           | 3.700             |
| Base fibre                        | DIN ISO 2076      | PES / PVC       | PES / PVC         |
| Fibre                             | DIN ISO 9354      | P 2/2           | P 2/2             |
| Covering                          | FRONT             | PVC             | PVC               |
| Resistance to traction (n/5 cm)   | DIN EN ISO 1421   | 7.800 / 5.600   | 7.700 / 4.700     |
| Resistance to tearing             | DIN 53363         | 800 / 750       | 1.000 / 650       |
| Resistance to cold                | DIN EN 1879-1     | -30° C          | -30° C            |

|                         |                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fabric composition:     | High tenacity polyester                                                                                                                                                                                           |
| Covering:               | PVC                                                                                                                                                                                                               |
| Tensile strength:       | In warp 40 kg, in weft 30 kg, tolerance +/- 10%                                                                                                                                                                   |
| Thermal stability:      | -30% + 70 °C                                                                                                                                                                                                      |
| Textile backing weight: | 0.52 kg/m <sup>2</sup>                                                                                                                                                                                            |
| Material:               | The material used is insoluble in water and highly resistant to chemical agents, weak acids, weak alkalis, strong alkalis, saline solutions, aliphatic hydrocarbons, alcohols, esters, ketones and organic acids. |

# Inflatable dock shelter

The Alapont Logistics inflatable dock shelter **protects from cold, wind and heat**. It establishes an **airtight seal between truck and warehouse**, making it an essential link in the transfer of perishable products that need to maintain the cold chain. **Maximum thermal and hygienic insulation and great energy saving**.

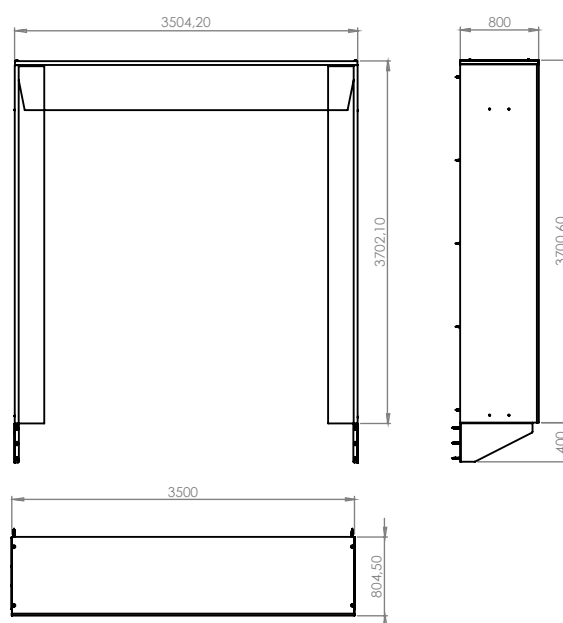
At Alapont Logistics Solutions we have **two models** of inflatable shelters: **standard and plus** (with bellows and guides). The latter has a faster inflatable cushion retraction rate and adapts to different transport vehicles.



## Technical description

- ✓ The **flaps** are made of polyester fibre with a top layer made of PVC. The special fabric for the sides makes them more flexible lengthwise, while maintaining rigidity in the width.
- ✓ The **side flaps** are equipped with warning bands that guide the driver when the truck is approaching.

|                                 |                             |
|---------------------------------|-----------------------------|
| Normative                       | CE                          |
| Width                           | 3.510 mm                    |
| Height                          | 3.715 mm                    |
| Fron depth                      | 815 mm                      |
| Protection tabs                 |                             |
| Side width                      | 381 mm                      |
| Top hight                       | 605 mm                      |
| Inflation duration              | About 30 sec                |
| Deflated duration               | About 40 sec                |
| Control panel protection rating | IP 65                       |
| Supply voltage                  | Monof 220V/50-60 HZ/0,37 Kw |
| Use temperature                 | -35° y +80°C                |



## Operation

When a truck stops inside the shelter, the motor can be **activated and the gap between the wall of the warehouse and the truck becomes completely sealed**. The cushions are kept under pressure throughout the loading or unloading process.

**On finishing, they are deflated** by pressing the button. **The top cushion is rolled up and unrolled** using a tubular motor, **and the sides by means of the retraction system**. When this process is complete, **the truck is able to exit** the platform and the dock freely



## Dock shelter plus

The **Plus Inflatable dock shelter** is Alapont Logistics shelter **with bellows and guide**. It is especially **recommended for logistics centers with high traffic**, since it has a higher inflatable cushion collection speed than the usual inflatable. In addition, **it is capable of adapting to the size of the vehicle** that will carry out the loading and unloading in the warehouse, therefore, this model is suitable for all types of transport.

It is the ideal solution for warehouses that require greater tightness, have high merchandise traffic and different models of transport vehicles.

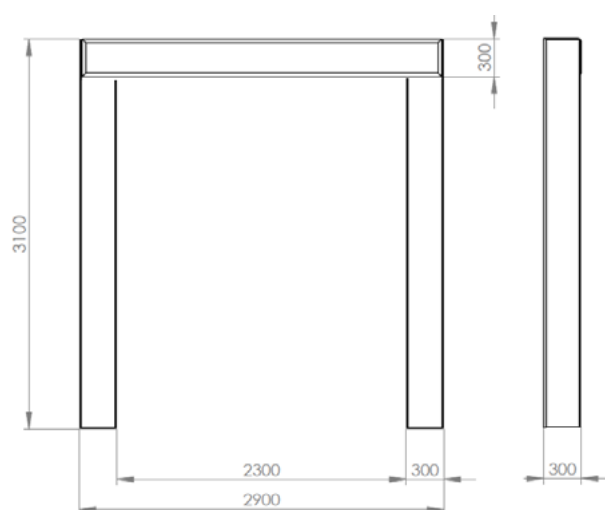
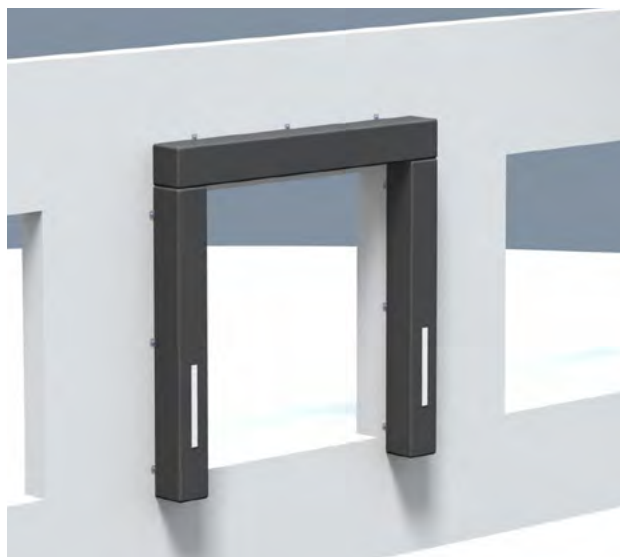


# Foam dock shelter

The foam or compression dock shelter is mainly designed for refrigerated loading docks where the aim is to prevent cold losses during loading and unloading tasks.

Its structure is comprised of high-density polyurethane foam cushions covered in PVC that fully insulate the dock when the vehicle is attached to it. Via this system, the lorry's container is compacted against the foam cushions, which absorb friction, ensuring a great seal and significant energy and cost savings.

This dock shelter model is frequently used in Latin America, where it's known as a dock seal. There's a wide variety of options available, according to the customer's requirements.

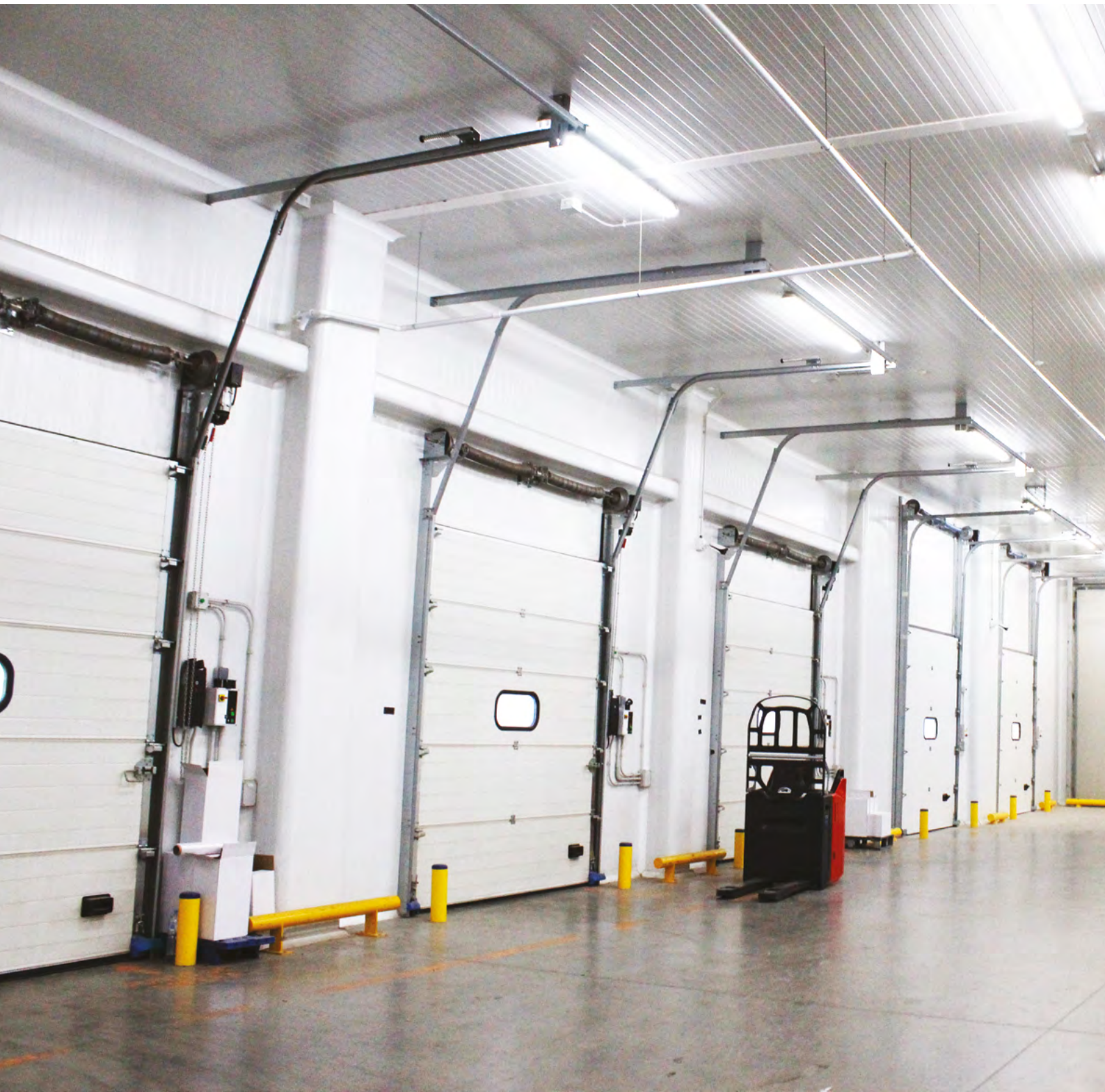


## Advantajes

- ✓ Compressive structure with high-quality cushions that absorb impacts.
- ✓ Insulates the loading dock from external temperatures, wind and rain.
- ✓ Improves the cold chain and goods preservation.
- ✓ Allows for significant energy and monetary savings.
- ✓ Guaranteed hygiene: prevents dirt, insects and birds from entering the premises.
- ✓ Improved operator comfort, safety and productivity at facilities.



# Industrials doors





### ➤ Sectional doors

### ➤ High-speed doors

- High-speed roll-up doors
- High-speed stacking doors
- High-speed self-repairing doors

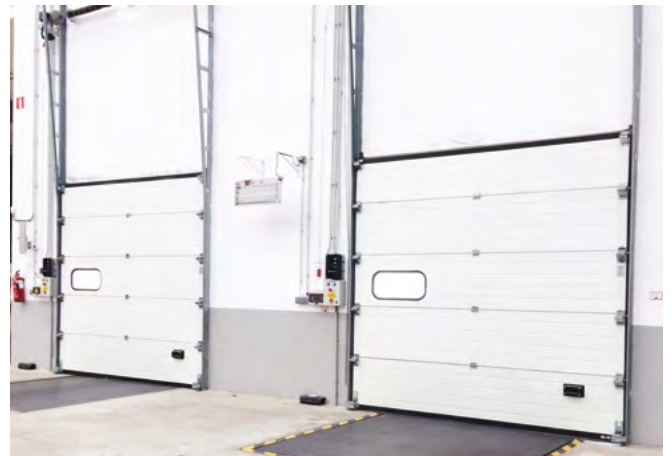
### ➤ Fire doors

- Sliding fire doors
- Vertical sliding fire doors
- Swinging fire doors
- Curtain fire

# Sectional doors

Sectional doors are a perfect solution for air-conditioned business premises thanks to the **energy saving** that their **insulating capacity** ensures. They open vertically upwards, moving the panels below the roof horizontally. **Thanks to this it will always be possible to install them** regardless of the space available.

They constitute the most practical and safe solution for loading and unloading tasks, since **they avoid possible falls and occupy the minimum space**. The way they adapt to the roof will allow a high level of functionality and space optimisation. Another advantage of this type of door is its high **thermal and acoustic insulation power**.



## Characteristics

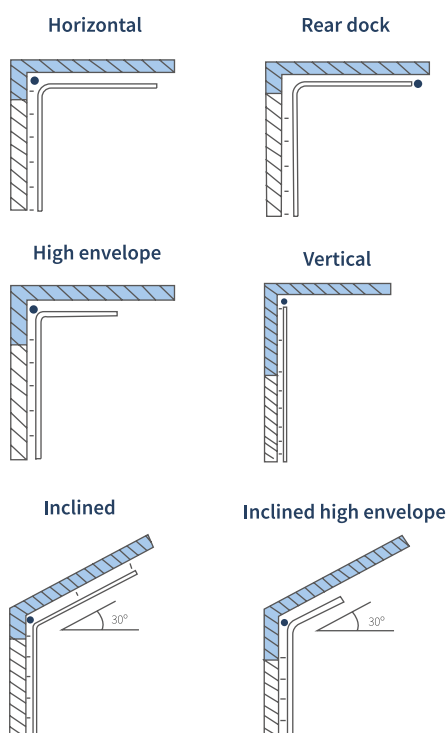
- ✓ **Safety:** all the doors comply with standard DIN EN 13241-1. With systems that stop the door falling when springs break, as well as a system to stop fingers being jammed, both inside and out.
- ✓ **Durability:** galvanised steel sheeting and exterior finishes that are highly resistant.
- ✓ **Confort:** effective thermal and acoustic insulation thanks to its insulating core of polyurethane and the sealed joints between panels for garage doors.
- ✓ **Adaptable:** this model has several opening possibilities to achieve maximum use of space.
- ✓ **Customisable:** there is a wide variety of panels, textures and colours, in order to choose the industrial door that best suits your tastes and requirements.
- ✓ **Quality:** UNE -EN 13241-1.



## Composed by:

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Elevation types</b> | <ul style="list-style-type: none"> <li>• Weight compensation through an assembly of torsion springs.</li> <li>• Safety device against spring breakage.</li> <li>• Cable drums and side loading cables.</li> <li>• Safety device against cable breakage.</li> <li>• Springs are powder-coated and painted in blue for a better response to fatigue and improved rustproofing.</li> </ul>                                                                                                                                                                                                                       |
| <b>Guide type</b>      | <ul style="list-style-type: none"> <li>• Of galvanised steel with a reinforced side bracket with a side trim support.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Door panel</b>      | <ul style="list-style-type: none"> <li>• Double-faced panels of galvanised steel with intermediate thermal and acoustic insulation of polyurethane foam 40 mm thick. Standard heights of 500 and 610 mm.</li> <li>• Interior and exterior sheeting with stucco embossing.</li> <li>• Interior of the panels reinforced for lasting grip of side and central hinges.</li> <li>• Anti-finger-jamming system in the joins between panels according to European standard EN 12604.</li> <li>• High-quality EPDM rubber on the top and bottom of the panel to provide impermeability and air-tightness.</li> </ul> |
| <b>Fittings</b>        | <ul style="list-style-type: none"> <li>• Of galvanised steel.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Reinforcements</b>  | <ul style="list-style-type: none"> <li>• Double hinges and support brackets for widths greater than 5 metres.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Quality</b>         | <ul style="list-style-type: none"> <li>• According to the European standard UNE –EN 13241-1.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Elevation types



# High-speed doors

Alapont Logistics high speed doors are **designed as a dividing element in areas with a continuous flow** of goods to ensure optimal insulation.

Recommended installation in industrial buildings, laboratories or any production plant with intensive traffic.

In order to guarantee the best functional, hygienic and sanitary qualities, we have **three models of high-speed doors**:

- Roll-up
- Stacking
- Self-repairing



|                                     |                  |
|-------------------------------------|------------------|
| Standard dimensions                 | 4.600 x 5.600 mm |
| Minium dintel                       | 450 mm           |
| Sideroom clearance (non-motor side) | 200mm            |
| Sideroom clearance (motor side)     | 650 mm           |



## Technical characteristics of the structure

- ✓ All doors are manufactured with a self-supporting frame of galvanised steel 2-mm sheeting. Standard delivery is galvanised, with the option of a wash primer or polyurethane paint finish (RAL colour of choice).
- ✓ Vertical guides fitted with a series of sealed brushes to avoid dust or air currents entering.
- ✓ Galvanised steel 2 mm thick. Quality DX51D Z-275 NA.
- ✓ Stainless steel 2 mm thick. Quality AISI 304.





## Curtain

All high-speed doors are **manufactured of high-quality plastic tarpaulin**, resistant to wear, rubbing and fading while complying **with an M2 (low-flammability) certificate**.

Colours available on colour chart. All welds are high-frequency welds.

|                           |                          |
|---------------------------|--------------------------|
| Polyester support1        | .100 Dtex                |
| Total weight              | 900 gr/m2                |
| Tensile strength          | 400/360 daN/5 cm         |
| Resistance to tearing     | 80/60 daN                |
| Bond                      | 12 daN/5cm               |
| Resistance to temperature | -30° 7 + 70°             |
| Lacquer                   | 2 faces                  |
| Viewing panels            | High resistant PVC glass |

## Geared motor:

Three-phase motor with direct drive to the first shaft, smooth-stopping c/c electrical brake and manual unblocking via a crank at motor height.

Mechanical or encoder end-stop integrated in the motor to control the door position at all time.

|                     |                             |
|---------------------|-----------------------------|
| Voltage             | 220/380                     |
| Phases              | III                         |
| Power               | 0,75/3 CV Depending on door |
| Protection          | IP 54                       |
| Brake               | Electromagnetic             |
| Input r.p.m : 1.400 | Output r.p.m : 921/142      |

## Electrical system:

- ✓ Metal control panel. It incorporates an electronic plate with control logic, designed to carry out thousands of manoeuvres a day, fitted with pilot lights to control the door functions or possible anomalies.
- ✓ Inversion contactors, adjustable motor guard, pre-installation with magnetic detector, receivers or flashing lights. Opening, closing buttons, emergency stop and indicator with 1.5 m of cable 5 x 2.5 with a CETAC 16-A plug.



## High-speed roll-up door

Alapont Logistics **high-speed roll-up doors** are designed for use in **climate-controlled interiors** with positive temperatures ranging from **+5 to +80°C**.

The flap system without reinforcements and the hermetic guide ensure they **close in a way that guarantees climatic and sanitary protection**. They offer **great resistance to air**.



## High-speed stacking door

Alapont Logistics Solutions **high-speed stacking doors** are specially manufactured for **indoor and outdoor use**. They are resistant to abrasion, to discolouration and to wind loads with Class 2 and Class 3 certificates. Type M2 fire-retardant certificate.

Thanks to the speed of their manoeuvres, they **facilitate a fluid traffic** of people and goods. **They reduce draughts and temperature losses**. They guarantee maximum safety thanks to sensors and a photocell.



## High-speed self-repairing door

Alapont logistics Solutions **high-speed self-repairing doors** are suitable for **indoor and outdoor** work areas. Their self-repairing function means that if **it receives a blow** the flap will leave the guides without damaging any element. The door then **re-inserts itself into the guide automatically in its place to continue working** normally.

They resist Class 3 gusts of wind. They have photocells, an emergency keypad and possibility of manual opening.



# Fire doors

**Fire doors are mandatory for sectorising the warehouse.**

The current regulations also include the requirement that all the elements that make up the doors must comply with the **CE Marking**.

They are installed in order to **prevent or delay the spread of fire from one section of the building to another, to compartmentalise, to allow safe evacuation and to aid rescuing and extinguishing**. In all models the doors remain open at all times, retained by an electromagnet, until, in case of fire detection or an interruption in the power supply, the counterweight system causes the **doors to close automatically**.



## Technical description

- ✓ Alapont industrial fire doors **are supplied with fire-resistant panels with insulating filling.**
- ✓ **Materials:** Rock-plaster wool/ steel/ headband intumescent.
- ✓ **Options:** Anti-panic / hydraulic door closer / closing selector / Electromagnets / RF windows.

### What properties do fire doors need to have?

- They must have a **fire resistance, equal to at least half that required for the element that separates the two fire sectors**, or to a quarter of that when passage takes place via a previous lobby.
- Fire doors **must be equipped with a C5 automatic closing system** (the same as established by the CTE [Technical Building Code]). In those cases where a lower use of the door is adequately justified, these automatic closing systems may be C3 (50,000 cycles).
- They must **be able to be easily opened** to allow evacuation.
- **Spring hinges** as an automatic closing system have been banned by Royal Decree 312/2005 and by the CTE.
- **CE Marking.** It must be verified that the fire resistance or reaction class on the labelling or in the documentation accompany the CE marking complies with the requirements in the regulations and in the project.



## Sliding fire door

The characteristics of sliding fire doors **allow for large-scale constructions**. They are equipped with an electromagnetic retention system. They remain open at all times, until, in case of fire detection or an interruption in the power supply, the counterweight system causes the doors to close automatically. They are designed for the food, distribution and transportation sectors.

Among their advantages is the **ability to resist fire for 60 minutes**, their airtightness or the complete sealing off of rooms so there is no unnecessary loss of energy. If the door is on an evacuation route, it must be provided with a pedestrian door.



### Technical description

- ✓ The door in **semiautomatic or automatic mode**, apart from the motor, incorporates a control unit, an opening and closing button, photocell, and all the necessary elements for a perfect functioning of the closing system.
- ✓ The **intumescent gasket** installed on the perimeter of the door expands in the event of a fire, leaving it **fully sealed**.
- ✓ The door is held by an upper suspension guide of high quality and durability made with **galvanized material** of three different measures depending on the weight and the measures of the door.
- ✓ Each leaf is made of **two pre-lacquered steel sheets** (0.6 / 0.8 mm thickness) . Filled with rock wool of high density 145 kg / m3 and closed by one of its edges through a perimeter profile in U.
- ✓ **Frame:** Constructed with 249/225 mm x 45 mm stainless steel profiles. This profile has a flame retardant filling that guarantees protection against fire.
- ✓ They comply with current regulations. Legislated in different fire prevention ordinances **STANDARD UNE 1634-1 and UNE EN 13501-2**.



## Vertical sliding fire door

The **Alapont Fire Sliding Doors** are designed for the closing and sectorization of great dimensions hollows. They can remain open, closed, or have an intensive use. The operation can be manual, semiautomatic or automatic. Its closing is guaranteed by counterbalance, which acts on the leaf.

This model is similar to the previous one but its displacement is vertical. In the event of fire detection or power outage, the counterweight system causes their automatic closing.



### Technical description

- ✓ The door in **semiautomatic or automatic mode**, apart from the motor, incorporates a control unit, an opening and closing button, photocell, and all the necessary elements for a perfect functioning of the closing system.
- ✓ The **intumescent gasket** installed on the perimeter of the door expands in the event of a fire, leaving it **fully sealed**.
- ✓ The door is held by an upper suspension guide of high quality and durability made with **galvanized material** of three different measures depending on the weight and the measures of the door. Installed according to the hollow characteristics.
- ✓ Each leaf is made of **two pre-lacquered steel sheets** (0.6 / 0.8 mm thickness) . Filled with rock wool of high density 145 kg / m3 and closed by one of its edges through a perimeter profile in U.
- ✓ They comply with current regulations. Legislated in different fire prevention ordinances  
**STANDARD UNE 1634-1 and UNE EN 13501-2.**



## Swinging fire door

**Alapont Logistics fire doors are robust, solid and with a special design** to exceptionally fulfill its missions as a pedestrian access door, and as a fire resistant door according to the tests carried out, governed by European regulations UNE-EN 1634 - 1: 2000.

This type of door is for interior and exterior use, normally used in places with needs for fire performance and evacuation routes, homes, companies, shops ... and can be used in other facilities for special needs.



## Technical description

- ✓ The **thickness of leaf is 62 mm**. It is made of sheet metal, with **different finishes**: pre-laquered, laquered, galvanized,... with different thicknesses 0.6, 0.8 mm, and with **different insulating materials** that guarantee its performance against fire.
- ✓ The can be manufactured in **one or two sheets**.
- ✓ **The frame** can be constructed in different shapes, "Z", covering frame, corridor,... with different thicknesses of sheet and different finishes, having an intumescent perimeter seal.
- ✓ The doors can be made with metal sheets coated in PVC, imitation wood or with printed images, or painted in any RAL.
- ✓ **We can incorporate accessories** such as anti panic locks, anti panic bars, firewall viewers knobs, handles, special cylinders, training of cylinders, door closers, electro magnets, etc ... all of them with CE marking.
- ✓ All our fire-resistant doors are tested under the European regulation **EN 1634:2000**.



## Curtain fire

Alapont Logistics **fire curtains** are the new generation of fire barriers. **It is the most innovative fire and smoke protection system** currently available on the market.

It allows an **absolute integration** in any environment thanks to the little space that its installation requires. This also positively affects the aesthetics of the **curtain, which remains hidden until the fire alarm sounds.**

Alapont fire curtains limit the spread of fire by meeting the strictest national and international standards (CTE and RSCIEI) (EN). We have several **models: with irrigation and without irrigation.**

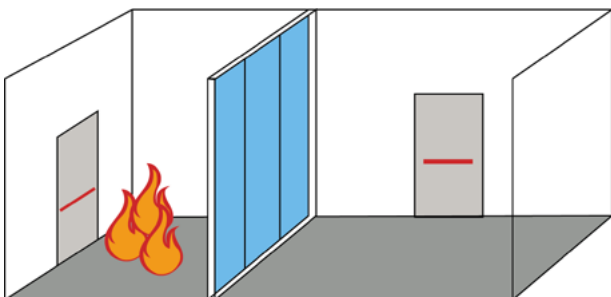
At Alapont Logistics we have two **models:**

- EW-90
- EI-120/180



## Advantage

- ✓ Control panel prepared to include additional accessories.
- ✓ Manufacture in large dimensions.
- ✓ Quick and easy mounting system.
- ✓ Opening and closing on the axis of the curtain.
- ✓ Minimum installation space.
- ✓ Sectorization system on both sides.



## Models

### ✓ EW-90

They ensure its integrity in case of fire and **avoid heat radiation** for a certain time. In addition, it has a **90-minute smoke impermeability at 1000 ° C.**

### ✓ EI-120 / 180

This model of fire curtain **reduces the heat transfer**, creating a safe area for people and property by **not being able to spread the fire to the other side.** This is possible thanks to the water spraying with **irrigation system.** Guarantees integrity, thermal insulation and **waterproof up to 180 minutes at 1000 ° C.**



# Industrials platforms





## ➤ **Scissor lift table**

- Single scissor lift table
- Double scissor lift table
- Multiple scissor lift table
- Scissor tables for special applications
- Loading platform
- Work platform

## ➤ **Single column industrial platforms**

## ➤ **Double column industrial platforms**

## ➤ **Custom-made industrial platforms**

# Scissor lift tables

The main function of **hydraulic scissor lift tables** is to cover logistics needs in situations that require freedom of movement. They are useful as a positioning tool in different production processes, as a solution to architectural barriers or as an auxiliary element to facilitate ergonomics.

Depending on the model, **they can support loads of up to 10,000 kg**. All designs are made of smooth or teardrop sheet metal. If you need more than three meters in height, you must choose a forklift.

At Alapont Logistics we have **different models of scissor tables** adaptable to any production. In this way, thanks to the variety of possibilities, we satisfy the needs of each client. All models can be supplied in stainless steel, hot-dip galvanized, painted or a combination of these finishes.



## Technical description

- ✓ They are **made of smooth or teardrop sheet metal** with significant thickness and reinforced according to load.
- ✓ The **travel is 800 to 1,600 mm** depending on the model. It is made thanks to two sets of large opening scissors. Two cylinders allow movement.
- ✓ The lower bench allows **fixing to the ground**.
- ✓ According to the needs of each client, we have different types of scissor table: **single, double or multiple**.
- ✓ They represent **great economic savings** by avoiding making reforms. The necessary **civil work is simplified**.



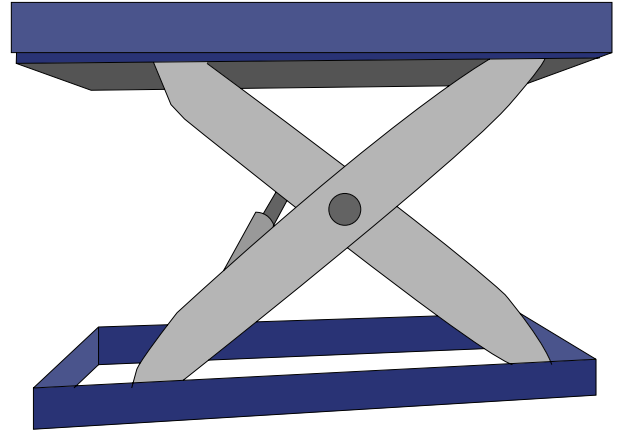
## Single scissor tables

**Single hydraulic scissor lift tables** are platforms intended to transport or position goods between certain levels of elevation. They offer good stability and allow **free access on all 4 sides**, allowing it to be incorporated as a lifting element in production processes.

They can handle **loads of up to 10,000 kg** and can be manufactured with a **length of up to 5 meters**.

All tables are manufactured following the indications of the EN-1570 standard regarding safety in lift tables.

These types of tables have a moderate height in the folded position and, as a general rule, **allow a lifting stroke of 0.60 times their length**.



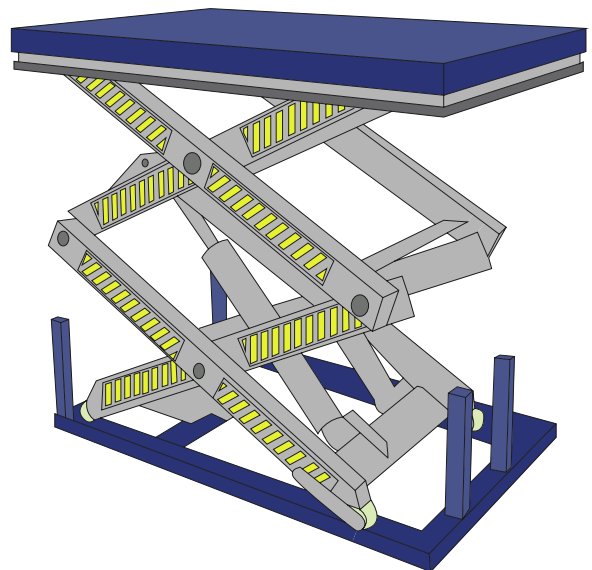
## Double scissor tables

**Hydraulic double scissor lift tables** consist of a frame, double scissor mechanism and platform. Additionally, other elements such as the perimeter security profile are incorporated.

They can handle **loads of up to 5,000 kg** and are manufactured with a **length of up to 4 meters**.

All tables are manufactured following the indications of the EN-1570 standard regarding safety in Lift Tables.

These types of tables have an average height in the folded position and, as a general rule, **allow a lift stroke 1.2 times their length**.



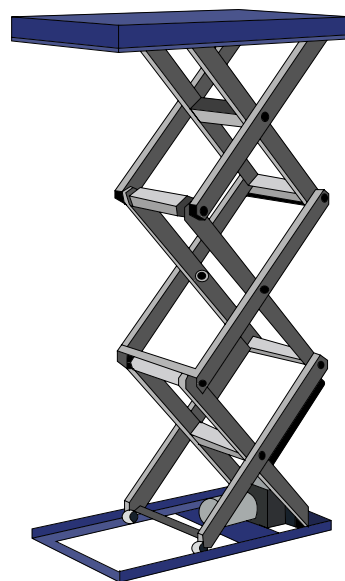
## Multi-scissor tables

The length of a platform determines the useful lift it can achieve. Alapont hydraulic **multi-scissor tables** are the **solution for** those applications where **higher lift is required** than that offered by single and double-scissor models. This model consists of a frame, the scissor mechanism, which **can be three or four levels**, and the upper platform.

We supply scissor lift tables with **specific equipment** necessary **to improve productivity and increase the efficiency and safety** of the installation, adapting the requirements of each client.

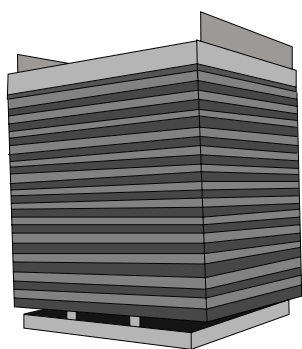
In this way you have:

- Scissor tables with canvas or metal bellows
- Scissor tables with manual or hydraulic lip
- Scissor tables with loading dock
- Scissor tables with railings



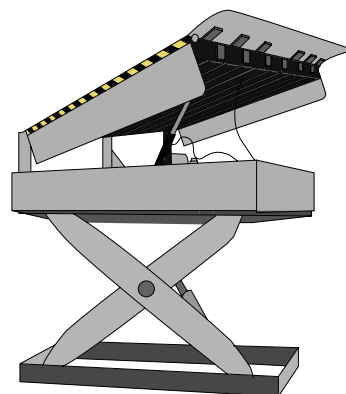
### Scissor tables with canvas or metal bellows

The perimeter bellows **protects the lifting platform from humidity and dirt** in harmful environments. In addition, outdoors, **it helps to resist the unfavorable conditions** of exposure to the elements.



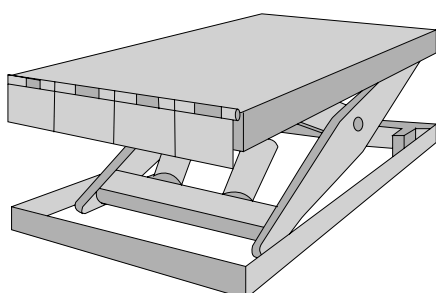
### Scissor tables with loading dock

The platforms installed in the loading dock **have a lip that can be operated manually or hydraulically**. Option to install a curtain to prevent the entry of smoke and dust.



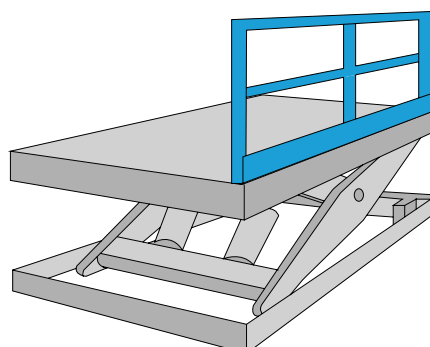
### Scissor tables with manual or hydraulic lip

Its function is to **allow continuity between the lift table and the truck bed**. It can be manual or hydraulically operated.



### Scissor tables with railings

Recommended to protect operators and goods. **These are 1100mm high side protections with 120mm skirting boards.**



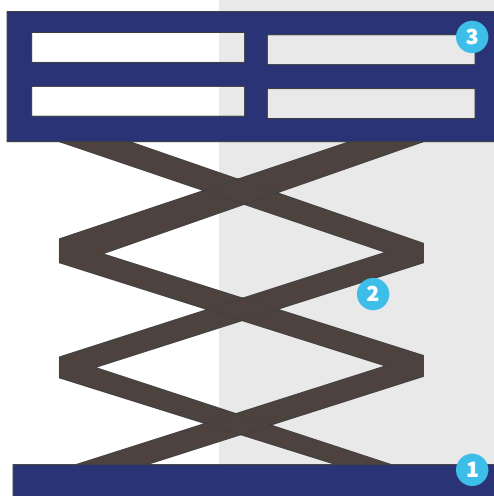
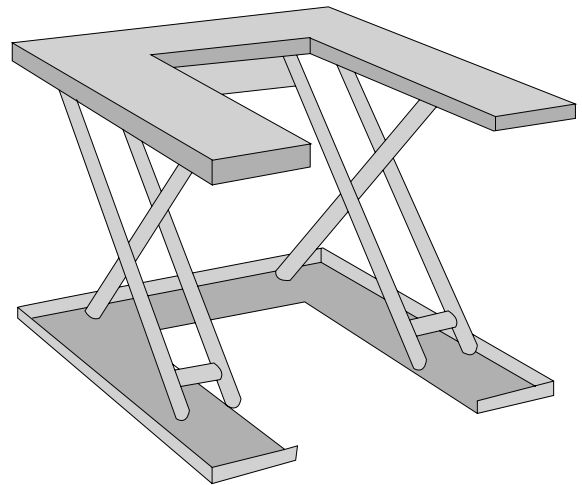
## Scissor tables for special applications

The scissor tables can be manufactured adapted to any production at the request of the client, depending on their needs and characteristics of the factory or center logistic.

- **Machines with double vertical or horizontal scissors**
- **Extra flat lift tables**

### Machines with double vertical or horizontal scissors

The vertical or horizontal double scissor lift tables allow lifting large loads. They are composed of an upper platform that rises through two scissors of the same size with a single hydraulic group placed horizontally or vertically.



### Extra flat scissor tables

The extra flat scissor lift tables **can be installed directly on the ground without the need for a pit** due to their reduced folding. The upper part can be E, U or rectangular.

It is made up of three different **elements**:

- 1 Chassis:** base of the scissor lift platform. Located on the ground, where the hydraulic mechanism is housed
- 2 Extendable structure:** attached to the chassis from the bottom, it allows the platform to be raised to the desired height.
- 3 Work platform:** platform where the goods will be loaded or will be worked by the operators. It is attached to the extensible structure.



## Loading platform

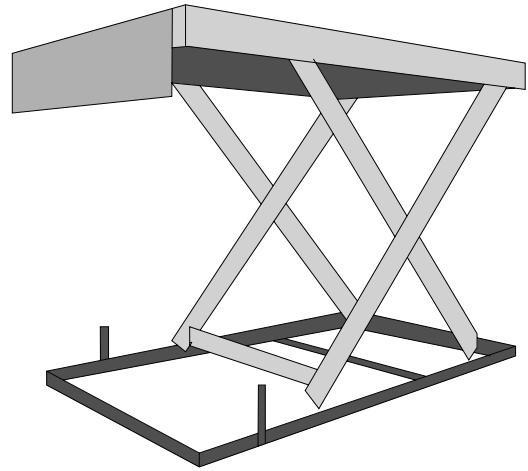
Loading platforms are lifting tables designed to carry out loading and unloading of goods, either between 2 levels of a building, or as a link to a vehicle.

They have a reinforced structure, which allows them to withstand the dynamic stresses exerted by loading means such as forklifts.

They are manufactured for **loads of up to 10,000 kg** with a size maximum of 4,000 x 2,500 mm.

Optionally incorporate flip-up lugs to close the gap between the platform and the vehicle.

Many charging points are located in areas exposed to aggressive environmental conditions. In these conditions the corrosion of the machine can be important, so in such a case, it is recommended that the machine be manufactured with a hot-dip galvanized treatment to guarantee a longer service life of the same.



## Work platform

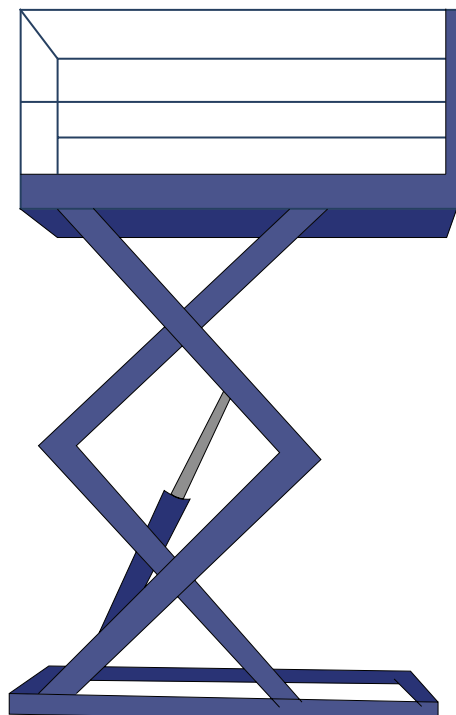
Work platforms are lifting tables designed **for lifting people to allow work at height**.

Its application is for interior work, with **height maximum of 3 meters**.

These machines are designed with adequate stability conditions so that the user can carry out the work safely.

They can incorporate the following **accessories**:

- Extensible platform supplement.
- Removable railing.
- Doors with self-retracting pins.



# Single column industrial platforms

Alapont **single column industrial platforms** are designed to **lift loads from 150kg to 3,000kg**.

They have a wide range of dimensions, routes and stops. In addition, there are models that incorporate an inverted chassis that allows the platform, as well as its guides, to be flush with the last floor level.

All Alapont Logistics industrial forklift platforms are manufactured under the European directive 98/371 / CE and applicable national standards.



| Load (kgs) | (I) Width (mm) |      | (G) Deep (mm) |      | A (mm) |          |         | F (mm) | L (mm) | Flight (Min) | Reacc. (kgs) |
|------------|----------------|------|---------------|------|--------|----------|---------|--------|--------|--------------|--------------|
|            | Max            | Min  | Max           | Min  | PRH-1  | PRH-1(2) | PRH-1-1 |        |        |              |              |
| 150        | 1200           | 550  | 900           | 500  | 100    | /        | 750     | 120    | 430    | 1340         | 1000         |
| 300        | 1500           | 750  | 1300          | 600  | 210    | /        | 750     | 155    | 610    | 1500         | 1400         |
| 400        | 1500           | 750  | 1300          | 600  | 210    | /        | 750     | 155    | 610    | 1500         | 1600         |
| 500        | 2000           | 950  | 1300          | 600  | 210    | 450      | 900     | 155    | 805    | 1560         | 1800         |
| 750        | 2500           | 950  | 1500          | 800  | 210    | 550      | 1000    | 180    | 805    | 1560         | 2200         |
| 1000       | 2700           | 1150 | 2000          | 800  | 250    | 550      | 1000    | 205    | 1000   | 1800         | 2800         |
| 1500       | 3000           | 1150 | 2000          | 800  | 270    | 650      | 1250    | 230    | 1000   | 1980         | 3400         |
| 2000       | 3500           | 1650 | 2000          | 1000 | 280    | 650      | 1500    | 230    | 1000   | 2000         | 4200         |
| 3000       | 3200           | 1650 | 2000          | 1000 | /      | 650      | 1500    | 235    | 1500   | 2000         | 5900         |

## Technical description

- ✓ **Custom manufactured** for various heights of travel and surface areas.
- ✓ **Maximum travel height – 12 metres.**
- ✓ **Non-slip plate.**
- ✓ **Cable slack or breakage control.**
- ✓ **Hydraulic fall arrest.**
- ✓ **Nominal speed 0.1 m/s** (option of a 0.2 m/s model) plus end of travel safety timer.
- ✓ **Button pads** with emergency stop button, located outside the platform's footprint.



# Double column platforms

Alapont Logistics **double column industrial platforms** are designed to **lift loads from 1,500 kg to 5,000 kg**. Wide range of dimensions, routes and stops. In addition, there are models that incorporate an inverted chassis that allows the platform, as well as its guides, to be flush with the last floor level.

All devices are manufactured under the **European directive 98/371 / CE and applicable national standards**.



| Load (kgs) | (G) Width(mm) | (I) Deep (mm) | A (mm) |         | F (mm) | Flight (Min) | Reacc. (kgs) |
|------------|---------------|---------------|--------|---------|--------|--------------|--------------|
|            |               |               | PRH-2  | PRH-2-1 |        |              |              |
| 1500       | 2000          | 3000          | 550    | 1600    | 180    | 1700         | 3000         |
| 2000       | 2500          | 5000          | 550    | 1600    | 205    | 1700         | 3700         |
| 3000       | 2500          | 5000          | 600    | 1800    | 230    | 2060         | 4500         |
| 4000       | 2500          | 5000          | 650    | 2300    | 255    | 2060         | 5400         |
| 5000       | 2500          | 5000          | 650    | 2300    | 280    | 2060         | 6400         |

## Technical description

- ✓ **Custom manufactured** for various heights of travel and surface areas.
- ✓ Platforms for loads of **3 000 kg up to 5,000 kg**.
- ✓ **Maximum travel height – 12 metres**.
- ✓ **Nominal speed 0.1 m/s (option of a 0.2 m/s model)** plus end of travel safety timer.
- ✓ **Industrial platforms for large volumes:** designed to lift goods from 6,000 Kg (max. 10,000 Kg) and with a maximum travel of 12 metres, using **two traction columns and two other guide columns**. Its structure allows for larger base dimensions, being suitable for heavy vehicles, large volumes and even forklift trucks.
- ✓ There are models that incorporate an inverted chassis that allows both the platform and its guides to be flush with the last floor level.



# Custom-made industrial platforms

When standard platforms are not 100% capable of meeting the demands of certain jobs, or because of their characteristics and design are not the most appropriate to perform certain functions, **we design and build custom-made industrial platforms.**

By fitting into the existing space, it is not necessary to carry out practically works, which means great savings both economically and labor by not having to practically stop production. It can be installed on a self-supporting metal structure.



# Accessories for loading docks





## Bumpers

- › Steel bumper
- › Mobile steel bumper
- › Bumper square
- › Rubber bumper



## Wheel guides



## Wheel-lock vehicle restraints



## Traffic lights



## Spotlights for docks



## Selft tipping container



## Chocks

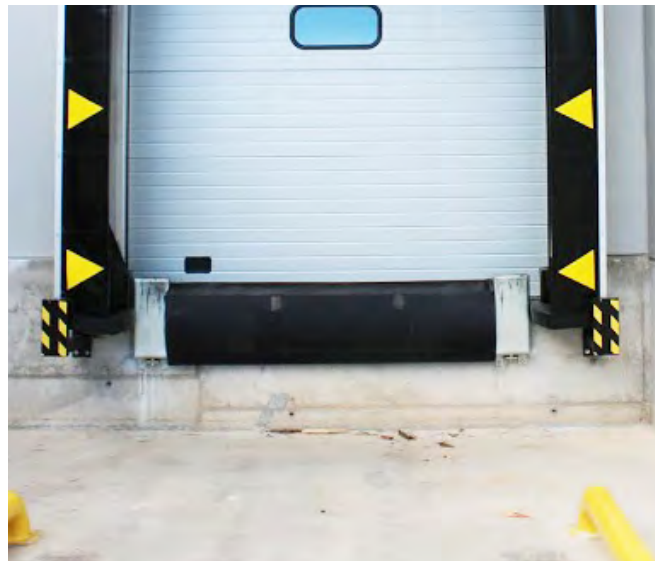


## Bollards and profiles

# Bumpers

**Protection bumpers** are essential for the durability of the transport vehicle and the cargo area. Allow to cushion the usual bumps that occur in the dock during the approach operations of the truck, protecting the coats or even the facade. In turn, it serves to protect the rear of the trucks and prevent them from being damaged.

They stand out for their **strength and durability**, which is why they are manufactured using materials affected to withstand and absorb the impacts of trucks. At Alapont Logistics we have several **models of protection stops**: **steel, rubber, square and mobile**.

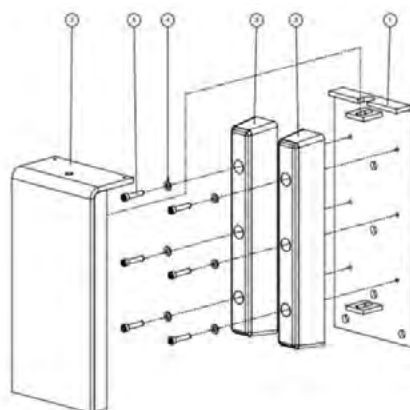
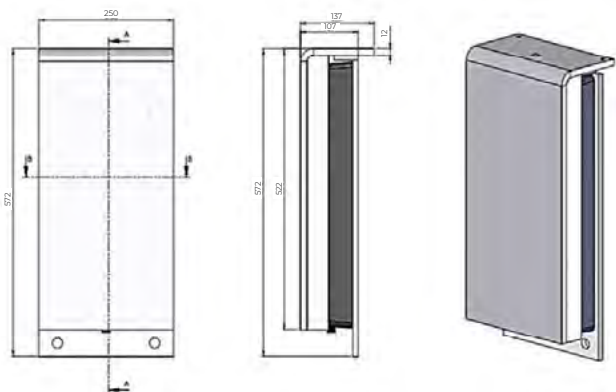


## Steel bumper

The **Alapont steel bumper** consists of a **12 mm steel** plate surface that inside **contains 2 rubber stops**, independent of each other, thereby giving maximum stability and safety at the moment of contact with the HGV.

## Characteristics

- ✓ 12mm sheet steel.
- ✓ 2 independent rubber stops.
- ✓ Dimensions: 500x250x110 mm
- ✓ Ref: 0101A0101040.
- ✓ Ready to be weld or screw.
- ✓ Rustproofing and cold galvanized.



## Mobile steel bumper

This is a **metal stop that can move vertically** in tune with the transport vehicle, thanks to the spring inside. The main advantage is that it significantly **reduces the wear of the stop** by reducing friction with the vehicle.

### Characteristics

- ✓ 12mm sheet steel.
- ✓ 2 independent rubber stops.
- ✓ Dimensions: 500x250x110 mm
- ✓ Ref: 0701A0103000.
- ✓ Ready to be weld or screw.
- ✓ Rustproofing and cold galvanized.
- ✓ Bumper compression spring.



## Bumper square

The **Alapont square rubber stop** consists of a rear support of galvanised steel and a surface of tough black rubber.

### Characteristics

- ✓ Dimensions: 250x250x100 mm
- ✓ Ref: 01010101050.
- ✓ Ready to be weld or screw.
- ✓ Rustproofing and cold galvanized.



## Rubber bumper

The **Alapont rubber bumper** is highly resistant. This is the classic and most commonly used HGV stop in basic standard installations.

### Characteristics

- ✓ Dimensions: 80x500x80 mm.
- ✓ Ref: 0101A0101027.
- ✓ Ready to be weld or screw.



# Wheel guides

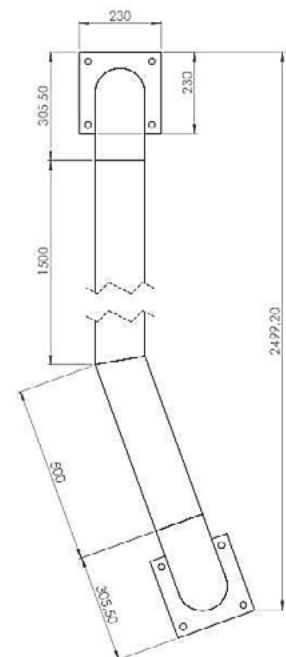
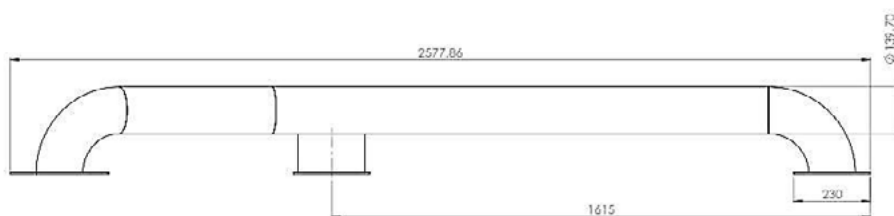
The **wheel guides or truck guides** help the driver during **coupling**, making it easier for the truck to position itself straight at the loading and unloading point. Thus avoiding damage to the vehicle, the leveller and the dock shelter, and ensuring an efficient seal.

## Characteristics

- ✓ We have **two types of wheel guides: open or straight**, depending on the needs of the loading area.
- ✓ Ready to be weld or screw.
- ✓ Anticorrosive finish in yellow or hot-dip galvanized.



## Opel wheel guides plan



# Wheel-lock vehicle restraints

The Alapont Wheel-lock vehicle restraints is a trailer **locking system** that guarantees the immobilization of the vehicle until the loading and unloading process is finished.

It adapts to all types of doors, is compatible with all suspension systems and **has the ability to operate with a wide variety of trucks**, making it easy to apply.



## Technical description

- ✓ **Horizontal working range:** from 3,000mm up to 5,000mm.
- ✓ **Compatible with all suspension systems** (pneumatic, crossbows, etc).
- ✓ **70 mm diameter round retaining arm** for prevent the unexpected departure of the truck.
- ✓ **It allows the vertical movements** of the truck during loading.
- ✓ **Hot galvanized steel components**, protected against corrosion and oxidation.
- ✓ **Robust housing built in steel** for protect all internal components against impact breakdowns.
- ✓ **Assembled product for floor mounting of concrete**, fixed with metal anchor or anchor chemical.



## Includes

- ✓ Interior and exterior led lights are standard.
- ✓ Two acoustic indicators, interior and exterior.
- ✓ An electromagnet.
- ✓ Two race finals.
- ✓ Integral control panel.

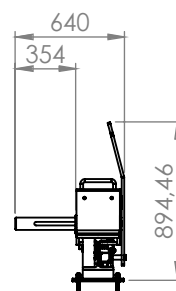
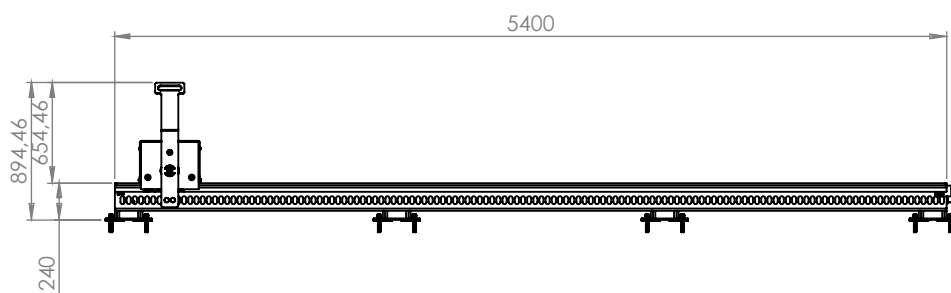


## Security

- ✓ **Interior and exterior traffic lights** to keep Users informed about Safety and intended use.
- ✓ **External alarm** integrated in the wheel-lock vehicle restraints. Alert to user of incorrect arm work positions wheel-lock vehicle restraints.
- ✓ **Internal alarm** integrated in the control panel. Alert the user of incorrect work positions of the retaining arm.
- ✓ Incorporates a **white automatic activation light** to illuminate the area of movement of the truck.
- ✓ **Wheel-lock vehicle restraints maneuver synchronized with the door and the loading dock**, preventing improper or unplanned use of the loading point.
- ✓ **Retention arm lock by an electromagnet.**
- ✓ **System to unlock the wheel-lock vehicle restraints** in case of emergency



## Plans



# Traffic lights

The **Alapont traffic light** is ideal for loading dock installations. Color lights **indicate to the driver the possibility of maneuvering during unloading.**



## Characteristics

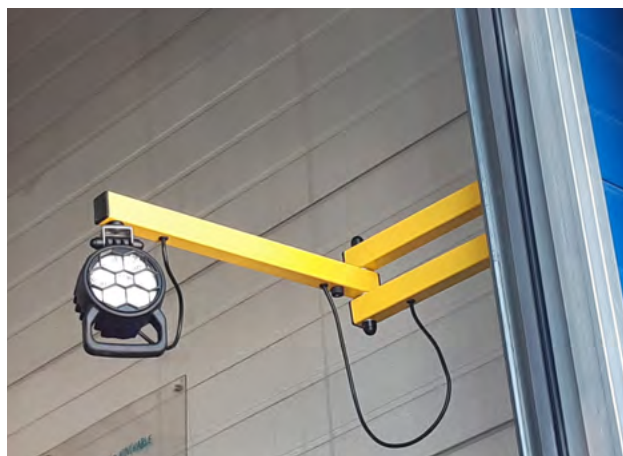
- ✓ **Led technology** allowing savings in operating and maintenance costs.
- ✓ Card with **two groups of LEDs** (red and green).
- ✓ It has two supports that allow the traffic light to be **oriented within a range of 200°** in fractions of 3°.
- ✓ The traffic light needs a control to change from red to green light.

# Spotlights for docks

The installation of a spotlight on the loading dock will allow the **vehicle to be illuminated** during the process of loading or unloading the merchandise, **avoiding unnecessary accidents** due to the lack of lighting.

For the safety of a loading dock and the optimal visibility of the workers in the performance of their functions, it is necessary to have light bulbs that offer good lighting in the workspace.

Alapont Led Spotlights provide brighter light inside the trailer, helping to create a safe work environment with **minimal power consumption.**



### Dock light DM01 LED

|                              |                   |
|------------------------------|-------------------|
| Total arm lenght extended    | 1000 mm           |
| Adjustment radius            | 180°              |
| Built in safety power supply | 24/20V            |
| Steel profile                | 40 x 30 x 2 mm    |
| Power supply cable           | 2x1 mm            |
| Power supply cable lenght    | 1500 mm           |
| Light intensity              | 1500 Lm           |
| Electricity socket           | Single phase 220V |

## Technical description

- ✓ Protection against overheating, against reverse polarisation.
- ✓ The lamps comply with EMC Directive 2004/108/EC.
- ✓ They do not emit electromagnetic interference as well as they are resistant to it's influence.

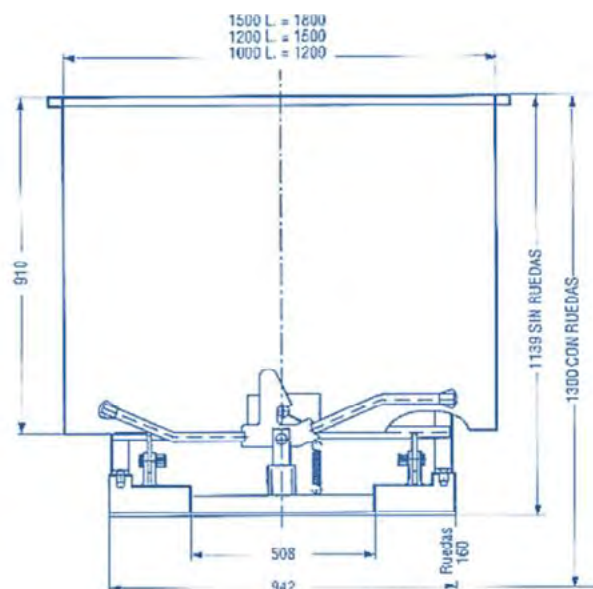
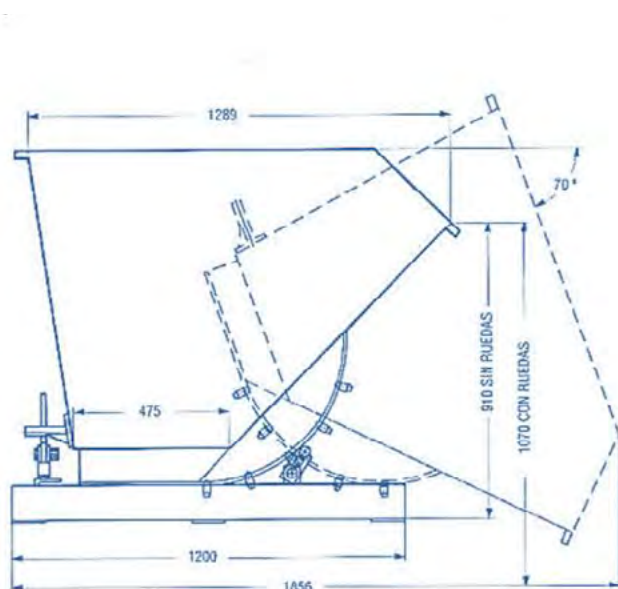


# Self tipping container

The **Alapont self-tipping container** is the most effective solution for collecting waste. This is an option that **facilitates the process of transportation and removal of waste**, with the comfort and speed that everyday use requires. It has a carefully designed mechanism that enables **manual movement on rollers, or it can be moved with a forklift**, allowing easy adaptation to any situation or surface.



## Plans



## Características

- ✓ Manual movement on wheels or forklift.
- ✓ Steel finish with guaranteed robustness.
- ✓ High precision welds.
- ✓ **Optional:** fiber or stainless steel cladding.



# Chocks

This is a safety wedge or wedge that has like the main objective identified is the safety of the workers operating on the loading docks and discharge.

They ensure a total blocking of the truck wheels in the loading dock, avoiding that during the process of loading and unloading the vehicle can be separated from the dock and cause damage to operators, facilities or goods.

This product is capable of supporting a intensive under extreme working conditions.

Manufactured with robust materials and without elements complex electronics, thus avoiding having the loading bay blocked in case of a breakdown electronics.



# Bollards and profiles

Bollards and bumpers are designed to **protect** walls, doors, beams, shelves, etc, from **eventual unexpected hits**.

Depending on the material to carry on through the premises, there are different versions offering a higher resistance if needed.

Made with **polyethylene and polypropylene**, both of them follow the rules **for the alimentary use**.

- ✓ Good protection.
- ✓ Easy to be assembled for everybody.
- ✓ No maintenance is required.
- ✓ Easy to be replaced.
- ✓ Totally adaptable for the distance between bollards.
- ✓ High visibility due to the colours.
- ✓ Easy to clean, as it has no corners.



# Maintenance, technical service a



# and spare parts



➤ Maintenance and technical service

➤ Spare parts

07

# Maintenance and technical service

The **maintenance** of facilities in state optimal is essential to **ensure good operation** of industrial activity.

Alapont Logistic Solutions offers programs of maintenance and technical assistance for all its range of products.

Either directly or through our network distributors, we **guarantee the durability and operation of loading equipment**.

Contact **Alapont Logistics Solutions** and find out about our maintenance **services, assistance even training for companies on mandatory** and necessary maintenance.

We are committed to offering the best quality, **backed by after-sales technical assistance**. In this way, we guarantee the proper use of the loading dock and access to spare parts for all ramps. **We look after the safety of your installation and, therefore, that of your operators.**



How is the maintenance of a ramp vertical of Alapont?



# Spare parts

## Control panels



## Hydraulic unit



## Dock shelter elements



## Lifting cylinders



## Spare parts sliding and fixed ramp



## Whatch our spare parts video





+34 962 41 32 31  
[alapontlogistics.com](http://alapontlogistics.com)