



ALAPONT
GLOBAL

Loading docks

VERTICAL STORING DOCK LEVELLER WITH HINGED LIP

The vertical loading dock ramp with a hinged lip is ideal for locations demanding strict temperature control and high hygiene standards.

Used in conjunction with components such as inflatable shelters or sectional doors, it provides 96-98% protection.

When not in use, its vertical position allows the sectional door to close completely to the floor, preventing leaks that disrupt internal temperatures. This improves efficiency, minimizes energy loss, and reduces greenhouse gas emissions (like CO₂), contributing to a more sustainable environment.

Truck doors can be opened from inside the building, preventing cold chain disruptions and streamlining loading/unloading in logistics centers.

The hinged lip ensures optimal adaptation to the truck.



CAPACITY	Capacity 1	Capacity 2	Capacity 3
Dynamic charge capacity*	6.000 kg	15.000 kg	20.000 kg
Static charge capacity*	9.000 kg	18.000 kg	25.000 kg

* All standard models can be manufactured with all load capacities. Other configuration options available on request.

* Available in various standard sizes or made to measure.

COMPONENTS



1. CYLINDER PARACHUTE VALVE

Prevents the platform from falling in case of a hose rupture or hydraulic solenoid failure.

2. POSITION INDICATOR SENSOR

3. SIDE SAFETY BASE

Prevents forklift drivers from driving off the transit surface.

4. SAFETY MAST

For maintenance tasks.

5. LEVELING SENSOR

Allows for constant leveling of the dock with the truck, facilitating loading and preventing sudden impacts during transit.

6. ROBUST HINGED LIP

Made of 13/15 mm perforated steel sheet and a 24 mm axle.

7. FOLDING LIP CYLINDER

Ensures safe and firm control of the lip's movement.

8. REINFORCED HINGES

Reinforced hinges with plates guarantee maximum resistance.

9. PLATFORM

Structure made up of U-profiles made of 5/7 mm thick sheet metal and 24 mm axle.

CONTROL PANEL



The electrical control panel is equipped with an emergency stop button, complying with regulations. This button stops the ramp in its current position during an emergency.

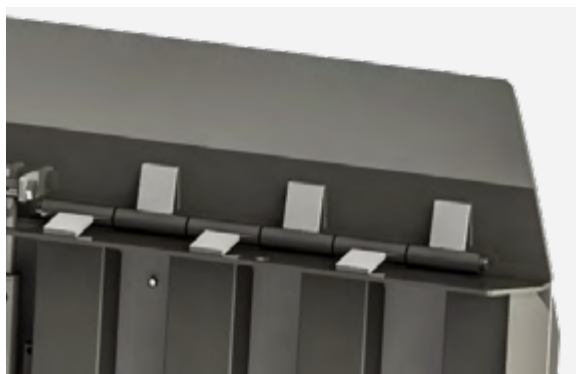
The ramp maintains a constant level with the truck, facilitating loading and preventing sudden shocks during transit.

Easy maneuverability.

DIMENSIONS (mm)	500 x 500 x 150
CONTROL VOLTAGE	24v
CONTROL BOX	✓
START-UP LIGHT	✓
ACTUATION CONTROL	✓
SAFETY STOP	✓
THERMAL FUSE	1.6 / 2.5 A
CONTACTOR	4 Kw
TRANSFORMER	1 ^a
OPERATING TEMPERATURE	-20 °C to +55 °C
PROTECTION RATING	IP 55

* Customizable configuration according to the required operating sequence (ramp + door + shelter + traffic light + retainer).

HINGED LIP



The standard model has a 400mm hinged lip projection to bridge the gap and height difference between loading docks and vehicle beds, ensuring a firm seating on the vehicle floor.

The lip features a front chamfer and a 5° bend for a smooth transition with the vehicle.

OPTIONS*

400mm (Standard model)
500mm

HYDRAULIC UNIT



Hydraulic unit with self-leveling system.

- Lifting cylinder with a parachute valve to prevent a sudden drop of the ramp in case of a hose rupture or hydraulic solenoid failure.
- Standard placement is underneath the platform for better protection and accessibility for qualified personnel.
- The hydraulic system is completely sealed to prevent the entry of dirt, dust, or sand.

HYDRAULIC UNIT POWER	1,1 kw (1,5CV)
OPERATING PRESSURE	170 bar
FLOW RATE	2,2 cm³/s (cubic cm)

* Options available for all ramps regardless of size.

POWER SUPPLY

POWER SUPPLY	CONSUMPTION
230V / 1ph (ESP)	8A
230V / 3ph (ESP)	6.5A
400V / 3ph (standard ESP)	4.6A
460V / 3ph 60Hz(ESP)	4.6A

* Options for all ramps, regardless of size.

STANDARDS AND CERTIFICATION

CE MARKING



UNE - EN 1398 - 2010



SAFETY SYSTEMS

- A parachute valve in the cylinder prevents the platform from falling in case of a hose rupture or hydraulic solenoid failure.
- Position indicator sensor.
- The side safety base prevents forklift drivers from driving off the transit surface.
- Safety mast for maintenance tasks.
- A sensor allows for constant leveling of the dock with the truck, facilitating loading and preventing sudden impacts during transit.

OPERATION

Steps for using the vertical dock leveller with folding lip:



1 The ramp is positioned vertically so that the gate remains closed.



2 The truck doors can remain closed, and the driver does not need to exit the cab.

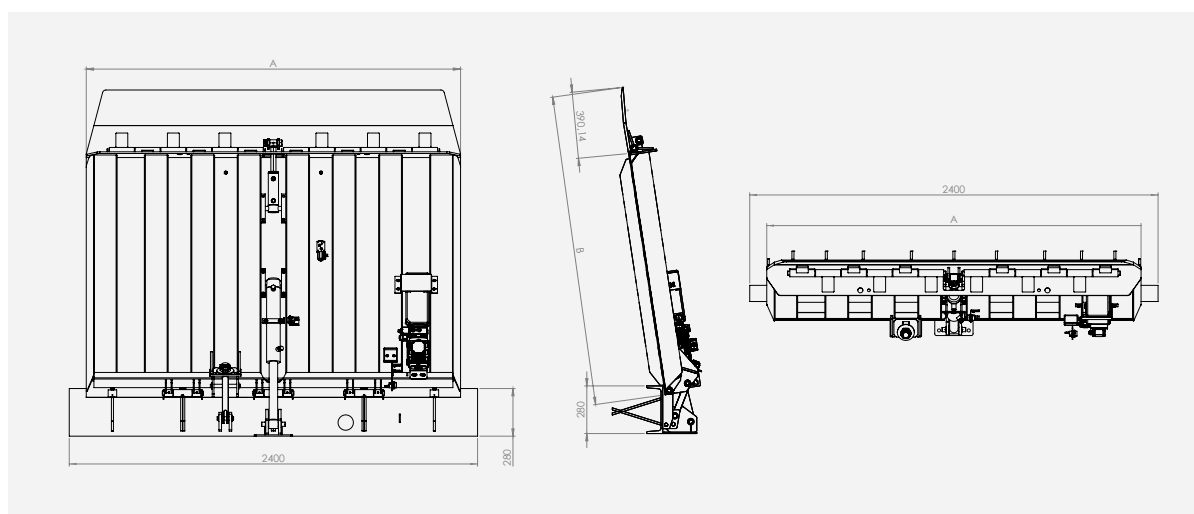


3 The dock assistant opens the truck doors and lowers the dock to the ideal position.



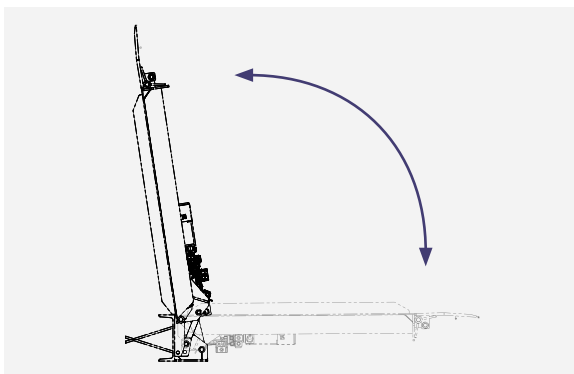
4 The loading and unloading process is carried out as with a conventional dock.

DIMENSIONS



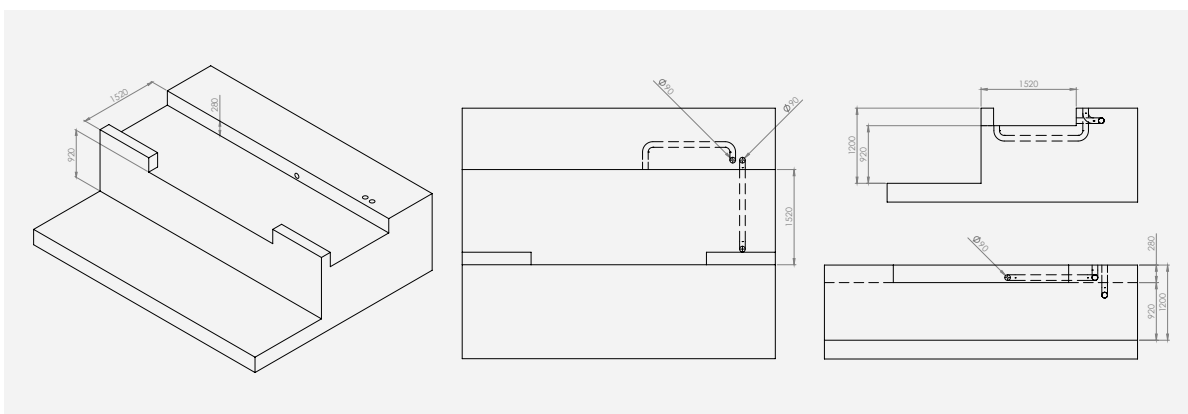
REF.	A	B
0106B0201000	2.200 mm	1.825 mm
0106B0203000	2.200 mm	2.400 mm

RANGE



REF.	DIMENSIONS	+	-
0106B0201000	2.200 x 1.825 mm	200	180
0106B0203000	2.200 x 2.400 mm	180	250

PIT DIMENSIONS



REF.	Loading dock
0106B0101000	2.200 x 1.825 mm
0106B0103000	2.200 x 2.400 mm

ACCESSORIES

All our dock levellers are available with this option.



SHUTTERING BOX
WITH TRAP DOOR
FOR UNLOADING



DOCK WHEEL
GUIDES



VEHICLE
RESTRAINT



DOCK
SHELTERS



TRAFFIC
LIGHTS



DOCK
BUMPERS

FINISHES

STANDARD OPTION

- Zinc primer and lacquer coating:



Black RAL 9005 micro-textured



ADDITIONAL FINISH OPTIONS

- Stainless steel
- Hot-dip galvanized
- Customized RAL*:



Grey RAL 7011



Blue RAL 5010

* Other RAL colours on request

✓ **Enhanced Corrosion Protection:** A complete treatment and powder coating with oven-baked polymer paint at 200°C provides superior corrosion and weather resistance, exceeding the requirements of major European architectural finish standards for outdoor applications.

✓ **Lead-Free:** The lead-free micro-textured finish is a safe and environmentally friendly alternative, making our ramps eco-conscious.

✓ **Increased Durability:** Zinc priming provides excellent outdoor durability and color retention. It has passed numerous mechanical, chemical resistance, and robustness tests including flexibility, adhesion, indentation, impact, Buchholz hardness, and acetic salt spray, humidity chamber, sulfur dioxide, permeability, and mortar resistance tests.

✓ **Improved Operator Safety:** The micro-textured finish creates a non-slip surface, significantly enhancing loading ramp safety. It improves traction and helps prevent slips and falls, reducing the risk of injury and accidents.