



ALAPONT
GLOBAL

Loading docks

VERTICAL STORING DOCK LEVELLER WITH FIX LIP

The vertical storing dock leveller is the ideal solution for locations requiring strict temperature control and high levels of cleanliness. Combined with other components such as inflatable shelters or sectional doors, a high degree of protection is ensured.

When not in use, it remains in a vertical position, allowing the sectional door to close completely to the floor, preventing leaks that could destabilize the interior temperature.

This improves efficiency and minimizes energy loss, reducing greenhouse gas emissions like CO₂ and promoting a more sustainable ecosystem. Truck doors can be opened from inside the building, preventing cold chain breaks and facilitating loading and unloading operations in the logistics center.



CAPACITY	Capacity 1	Capacity 2
Dynamic load capacity*	6.000 kg	15.000 kg
Static load capacity*	9.000 kg	18.000 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. REINFORCED PLATFORM BY U-SHAPED PROFILES

2. RAMP CYLINDER

Equipped with an emergency parachute valve ensuring balanced and safe operation. The parachute valve prevents the platform from falling in case of a hose rupture or hydraulic solenoid failure.

3. PLATFORM

Made of 6/8 mm perforated steel sheet.

4. REINFORCED HINGES

Reinforced hinges with plates guarantee maximum resistance. Equipped with a self-cleaning system and standard grease fittings. Manual greasing is possible.

5. POSITION SENSOR

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

6. HYDRAULIC UNIT



7. SIDE FOOT GUARDS

8. SAFETY MAST

For maintenance tasks.

9. SIDE SAFETY BASE

Prevents forklift drivers from driving off the transit surface.

10. REINFORCED FIXED LIP WITH PLATES

Made of 13/15 mm perforated steel sheet. Its hinge is reinforced with plates and a 24 mm axle.

CONTROL PANEL



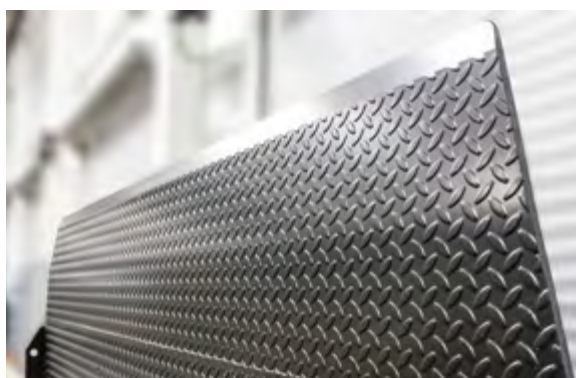
The electrical control panel is equipped with an emergency stop button, complying with regulations. This button stops the ramp in its current position during an emergency.

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).

FIX LIP



The standard model has a 400mm fixed 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)

*Available lip type options:

HINGED LIP:

- Made of 13/15 mm perforated steel sheet.
- Its hinge is reinforced with gussets and 24mm axle
- Folding lip cylinder. Ensures lip movement control with total safety and firmness.

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 / 3ph (ESP)	6.5A
400V / 3ph	4.6A

* Options available for all ramps regardless of size.

STANDARDS AND CERTIFICATION

CE MARKING

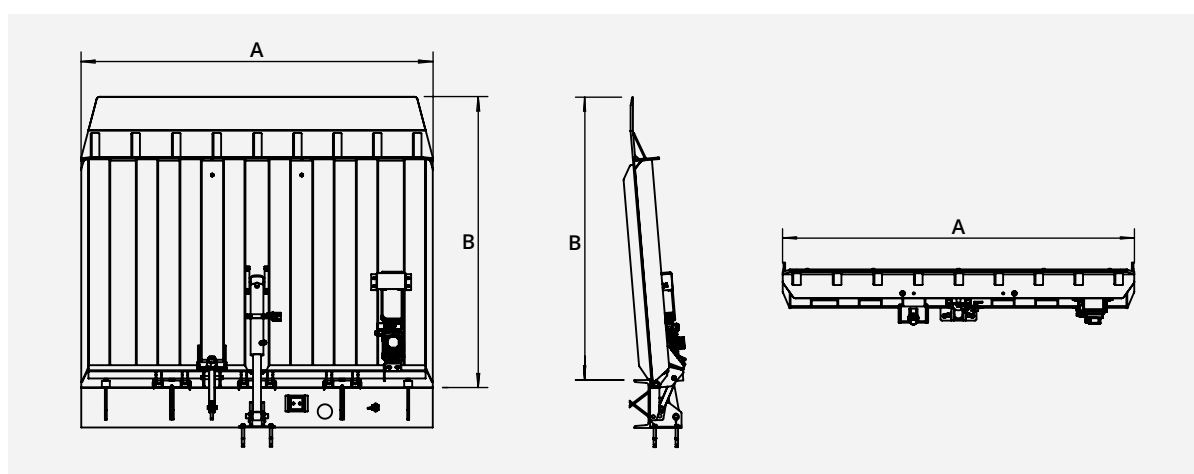
UNE - EN 1398 - 2010



SAFETY SYSTEMS

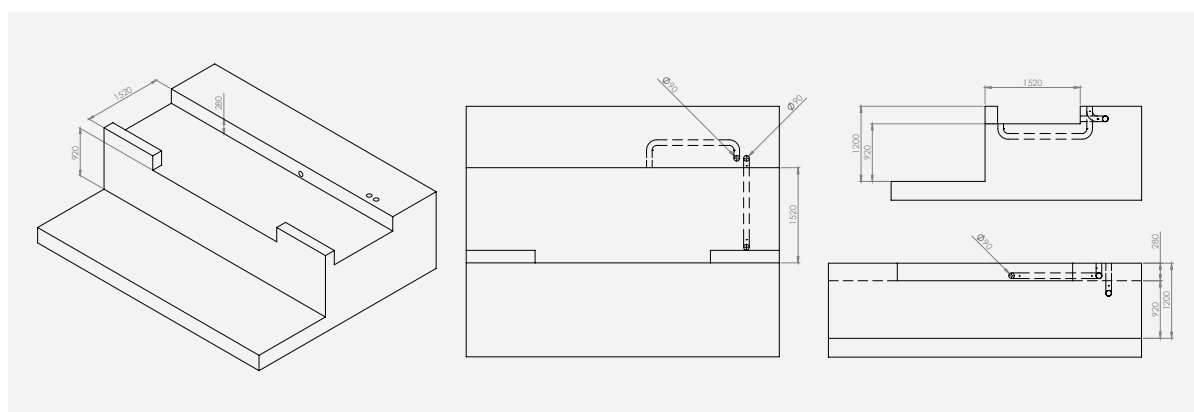
- A parachute valve in the cylinder prevents the platform from falling in case of a hose rupture or hydraulic solenoid failure.
- Position indicator sensor.
- The side safety base prevents forklift drivers from driving off the transit surface.
- Safety mast for maintenance tasks.
- A sensor allows for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

DIMENSIONS



REF.	A	B
0106B0101000	2.200 mm	1.825 mm
0106B0103000	2.200 mm	2.400 mm

PIT DIMENSIONS



REF.	RAMP	WIDTH (W)	LENGTH (L)	HEIGHT (H)
0106B0101000	2.200 x 1.825 mm	2.200 mm	1.520 mm	280 mm
0106B0103000	2.200 x 2.400 mm	2.200 mm	2.070 mm	280 mm

OPERATION

Steps for using the vertical dock leveller with fix 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 from inside the building and lowers the dock to the ideal position.



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

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.

ACCESSORIES

All our dock levelers can have this option.



SELF-SUPPORTING
OUTDOOR METAL
TABLE



GUIDES



RETAINERS



SHELTERS



TRAFFIC
LIGHTS



PROTECTIVE
BUMPERS