



ALAPONT
GLOBAL

Loading docks

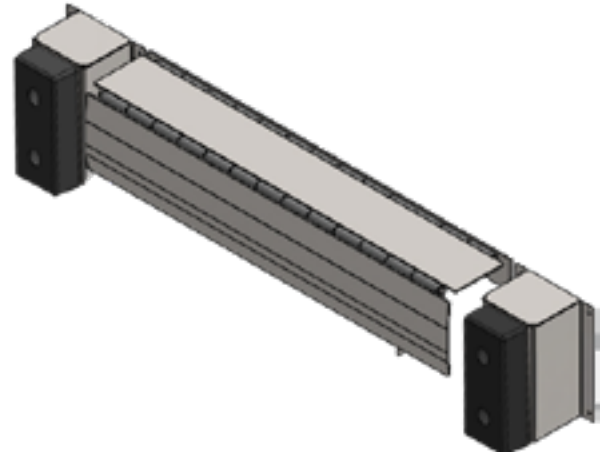
HYDRAULIC EDGE-OF-DOCK LEVELLER

The Mini Dock loading ramp is the best option for loading and unloading goods in narrow spaces where it is not possible to install a conventional dock leveler.

They do not require a pit but are installed at the edge of the dock, eliminating the need for civil works. This represents significant cost and production savings.

It provides a quick and easy way to maneuver over the height differences between the loading dock and the truck floor. It features a foldable lip for perfect truck lip adaptation.

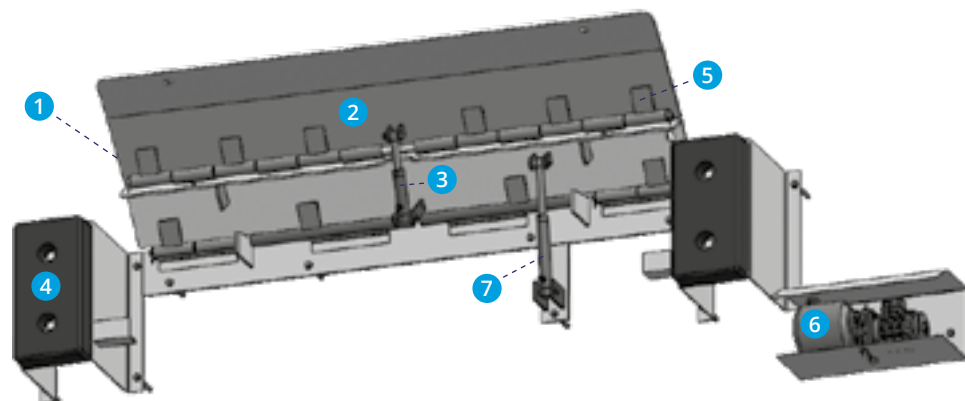
- **Resistant to temperatures** between -20°C to 50°C
- Optional **self-supporting** structure
- Two models available: hydraulic and mechanical
- Available in various **standard sizes** or **custom-made**



CAPACITY	Capacity 1 (standard model)	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. Please inquire about other configuration options.

COMPONENTS



1. PLATFORM

Made of 5/7 mm perforated steel sheet.

2. ROBUST HINGED LIP

Made of 13/15 mm perforated steel sheet.

3. HINGED LIP CYLINDER

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

4. RUBBER STOPS

5. REINFORCED HINGE

The hinge is reinforced with plates and a 24 mm axle.

6. HYDRAULIC UNIT

7. LIFTING CYLINDER

Equipped with an emergency parachute valve, guaranteeing balanced and safe operation.

CONTROL PANEL

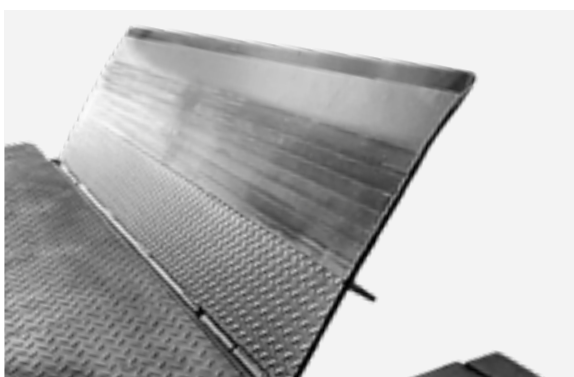


The electrical control panel is equipped with an emergency stop button, complying with regulations. This button stops the ramp in its current position during an emergency.

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

Easy maneuverability.

LIP



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

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

OPTIONS*

400mm (standard model)

* Lip type options available:

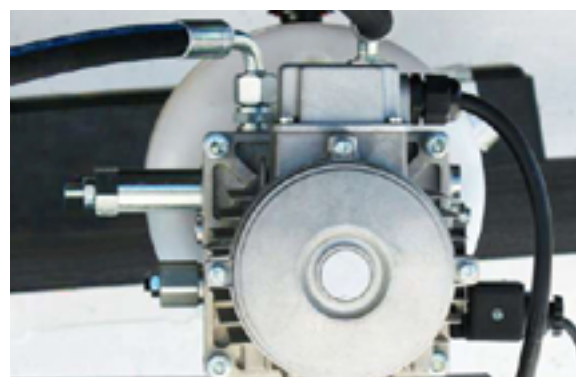
Chamfer: The lip narrows towards the end (e.g. from 2,000mm to 1,800mm) to make the ramp more versatile for the all kind of vehicles.

Segmented lip: The lip is segmented in several parts to adapt to the width of the different vehicles sizes.

DIMENSIONS (mm)	300 x 250 x 100
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 a +55 °C
PROTECTION RATING	IP 55

* Customisable configuration according to the sequence required for the operation (ramp + shelter + retainer)

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

* Options available for all ramps regardless of size.

DOCK BUMPERS



The standard model includes two high-strength rubber stops that protect the ramp by cushioning the impact of the truck against the building wall.

DIMENSIONS

250 x 500 x 80 mm

POWER SUPPLY

POWER SUPPLY	CONSUMPTION
230V / 1ph	-
230V / 3ph	6.5A
400V / 3ph	4.6A
460V / 3ph	4.6A

* The amperage for the 230V single-phase power supply is missing from the provided data.

REGULATIONS AND CERTIFICATION

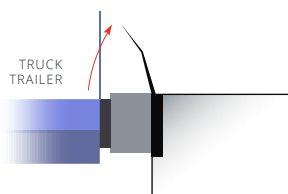
CE MARKING

UNE - EN 1398 - 2010 (RAMPS)

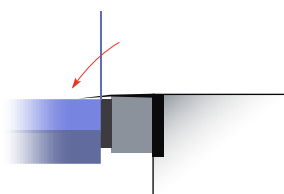


OPERATION

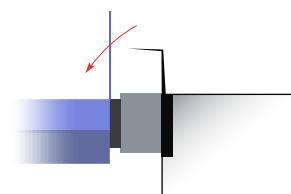
Steps to use the hydraulic edge-of-dock leveller:



1 Raise and Extend: Press the "Start" button on the controls. The leveller will raise, and the lip barrier will automatically extend.

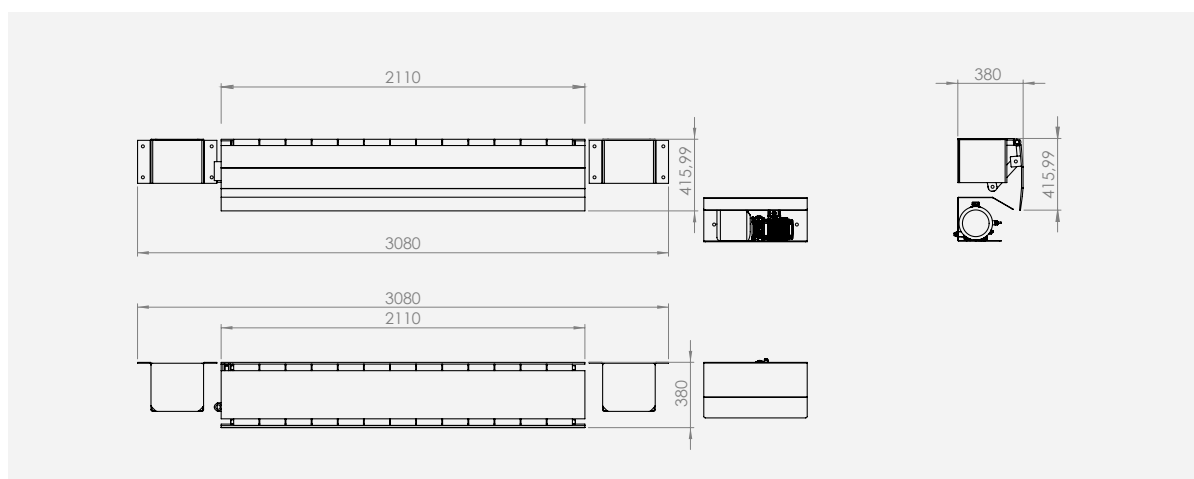


2 Lower Lip: Once the lip barrier extends, release the control button to lower the lip onto the truck trailer.



3 Retract and Lower: After loading/unloading, press the raise button again. The leveller will rise, and the lip barrier will automatically retract and lower into the storage position.

DIMENSIONS



0401H0101000

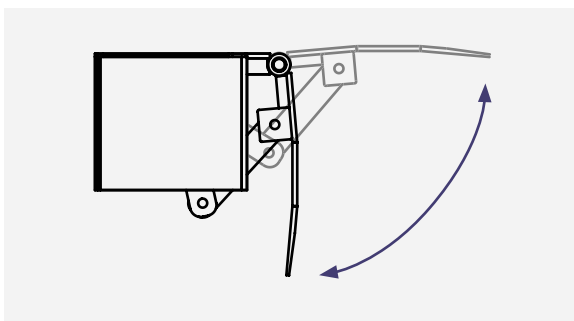
Total projection (platform + lip)

740 mm

Total width (loading dock + bumpers)

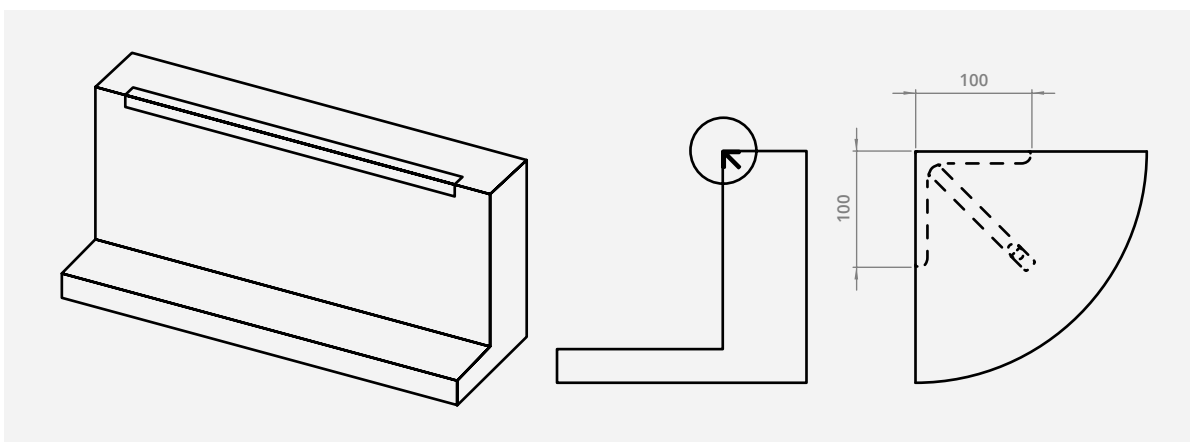
2640 mm

RANGE



REF.	MEASUREMENTS	+	-
0401H0101000	2000 mm	100 mm	100 mm

BASIC INSTALLATION REQUIREMENTS



- It is essential for the installation to place a metal angle (100x100x10 mm) on the edge of the concrete in order to weld the base of the Mini dock.
- The width of the angle must be at least the width of the Mini dock to be installed.

ACCESSORIES

All our dock levelers can have this option.



OPTIONAL SELF-SUPPORTING STRUCTURE



DOCK WHEEL GUIDES



VEHICLE RESTRAINT



DOCK SHELTERS



TRAFFIC LIGHTS



DOCK BUMPERS



BOARD OF TIGHTNESS



SPOTLIGHTS FOR DOCKS



CHOCKS

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.