



ALAPONT
GLOBAL

Loading docks

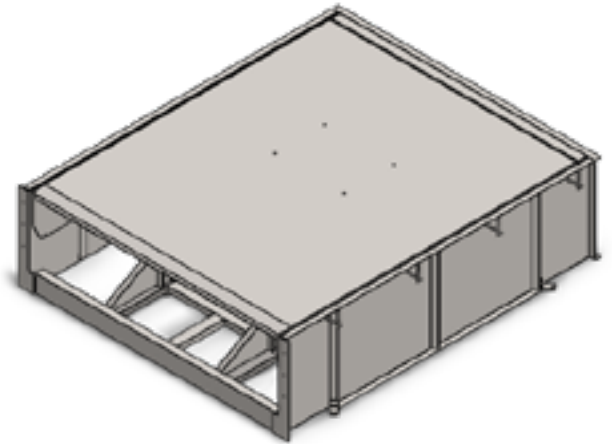
SMART DOCK WITH TELESCOPIC LIP

The Smart-Dock platform simplifies the creation of new loading and unloading areas in your industrial warehouse.

It consists of a pre-assembled formwork box that comes equipped with the chosen loading dock ramp, pre-installed in its own pit and with wiring ready for operation.

This reduces the potential for human error during the floor construction phase, minimizes assembly time, and lowers costs by eliminating the need to construct a pit. Smart-Dock platforms are ready for immediate use after installation.

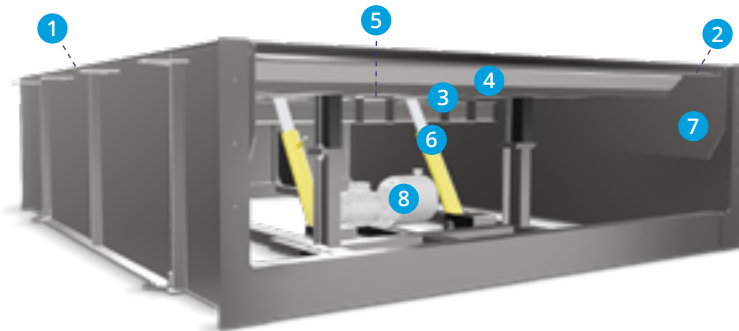
- **Resistant to temperatures** between -20°C a 50°C



CAPACITY	Capacity 1 (standard model)
Dynamic charge capacity*	6.000 kg
Static charge capacity*	9.000 kg

* All standard models can be manufactured with all load capacities. Please inquire about other configuration options.

COMPONENTS



1. PLATFORM

Made of 8/10 mm steel sheet. Composed of 8 beams.

2. TELESCOPIC LIP

Made of 13/15 mm steel sheet.

3. TELESCOPIC LIP CYLINDER

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

4. REINFORCED CHANNEL LIP

5. BEAM

Platform with IPN 120 beams and IPN 100 lip that guarantee the resistance and durability of the dock, preventing deformations.

6. LIFTING CYLINDER

Features a double lifting cylinder. Equipped with an emergency parachute valve, guaranteeing balanced and safe operation.

7. SIDE FOOT GUARDS

High-visibility side foot guards according to regulations.

8. HYDRAULIC UNIT

CONTROL PANEL



Control electrical panel equipped with an emergency stop button according to regulations, which stops the dock in its current position during an emergency.

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

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	3ph/24v
OPERATING TEMPERATURE	-20 °C a +55 °C
PROTECTION RATING	IP 55

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

FOLDING LIP



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

A reinforced retractable lip, guided by side rails, ensures uniform sliding.

OPTIONS*

1000 mm (standard model)

*Available Lip Types:

Chamfered: The lip tapers towards the tip (e.g., from 2000mm to 1800mm) for greater versatility with different vehicles.

Opening doors inside the warehouse: In the rest position, the dock leveler sits below the truck bed level, allowing the doors to be opened inside the warehouse and thereby preventing cold air loss.

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.

HYDRAULIC GROUP



Hydraulic unit with a self-leveling system.

- The lifting cylinder includes a parachute valve to prevent a sudden drop of the dock in case of a hose rupture or hydraulic solenoid failure.
- It is standardly located under the platform for better protection and accessibility for qualified personnel.

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

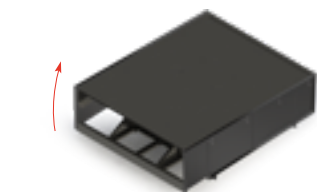
* Options available for all ramps regardless of size.

REGULATIONS AND CERTIFICATION

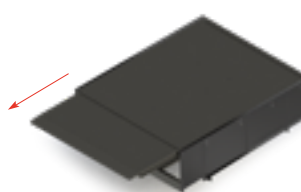
CE MARKING	✓
UNE - EN 1398 - 2010	✓

OPERATION

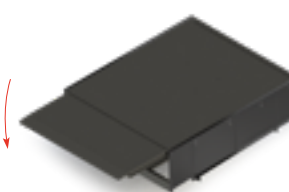
The control panel with four buttons allows for independent control of the platform and telescopic lip movements to any position. Hydraulic action operates each part independently.



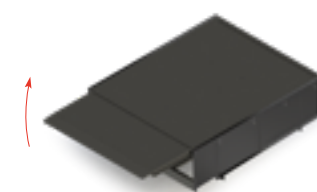
1 Raise Dock: Press and hold the "RAISE DOCK" button. The platform will rise from its resting position to the desired loading height above the trailer floor.



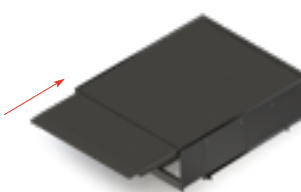
2 Extend Lip: Continuously press the "EXTEND LIP" button until the lip reaches the truck's surface, ideally 10-15 cm inside the trailer.



3 Lower Dock: Press the "LOWER DOCK" button. The platform will descend by gravity until it rests on the trailer floor.



4 Raise Dock (Unload): After loading/unloading, press the "RAISE DOCK" button to lift the platform off the trailer.

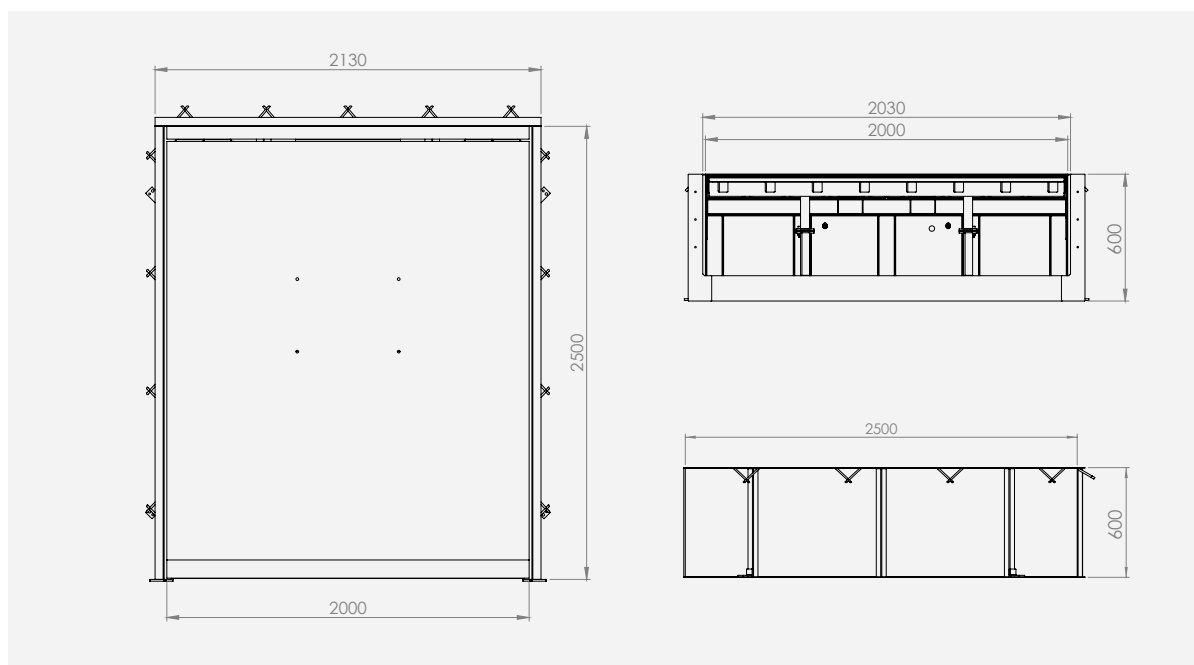


5 Retract Lip: Press the "RETRACT LIP" button to return the lip to its resting position.



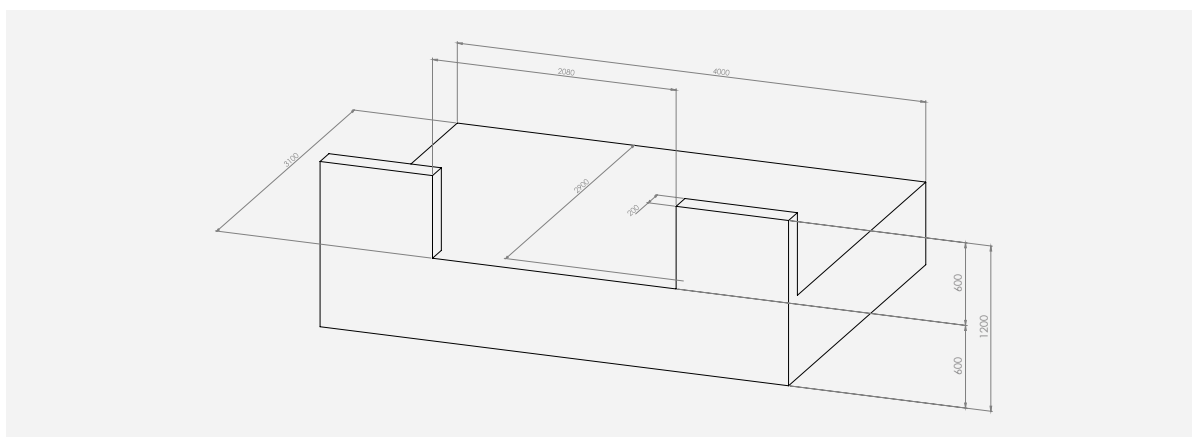
6 Lower Dock (Rest): Press the "LOWER DOCK" button to return the platform to its resting position.

DIMENSIONS



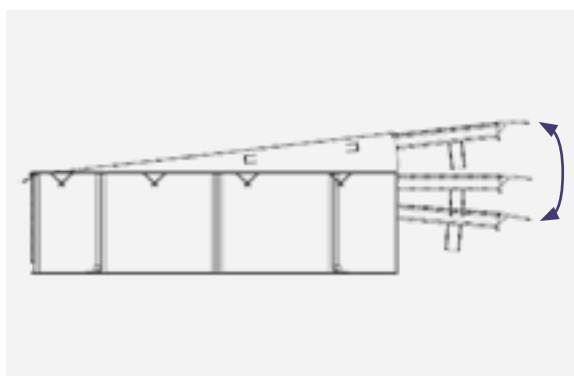
REF.	W	L	X
0103B0425000	2.000 mm	2.500 mm	600 mm
0103B0429000	2.000 mm	3.000 mm	600 mm

PIT DIMENSIONS



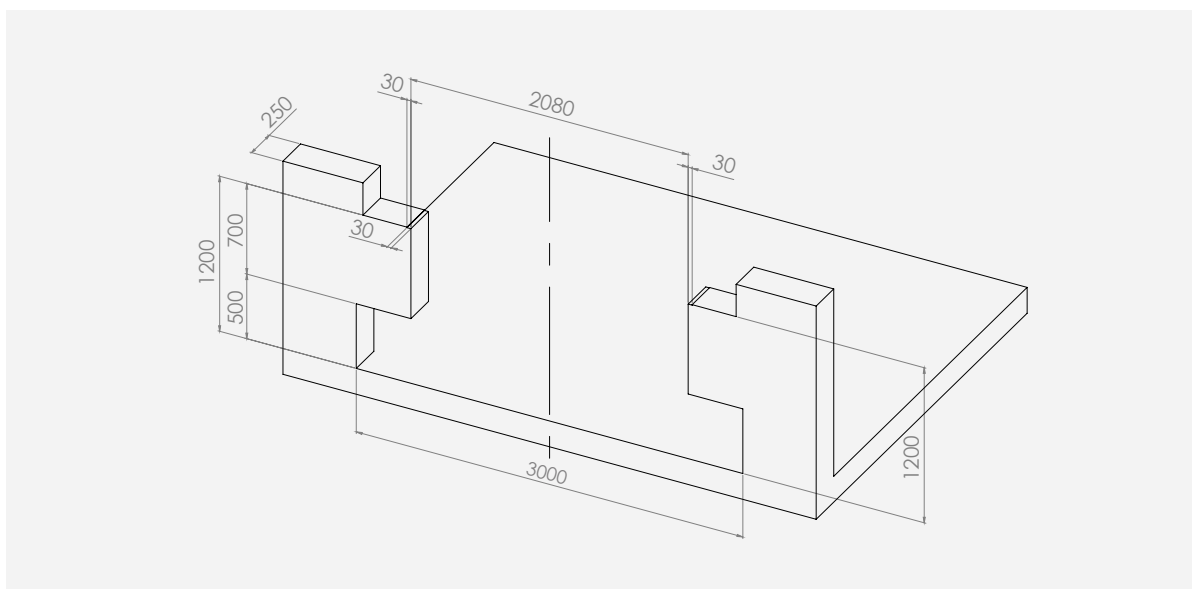
REF.	Smart-Dock	W (Width)	L (Length)	H1 (External height)	H1 (Interior height)
0103A0405000	2.000 x 2.500 x 700 mm	2.080 mm	2.500 mm	600 mm	600 mm
0103B0403000	2.000 x 3.000 x 700 mm	2.080 mm	3.000 mm	600 mm	600 mm

RANGE

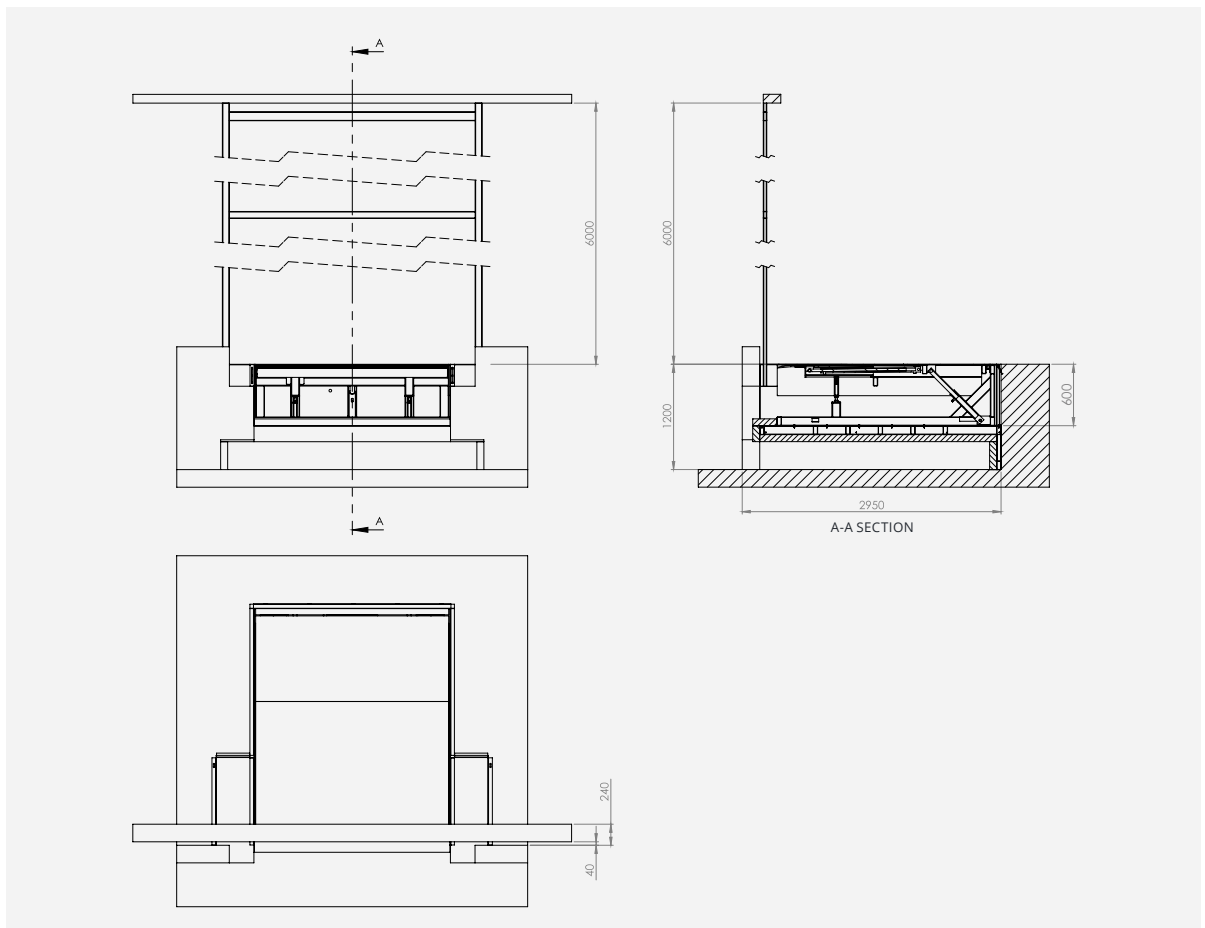
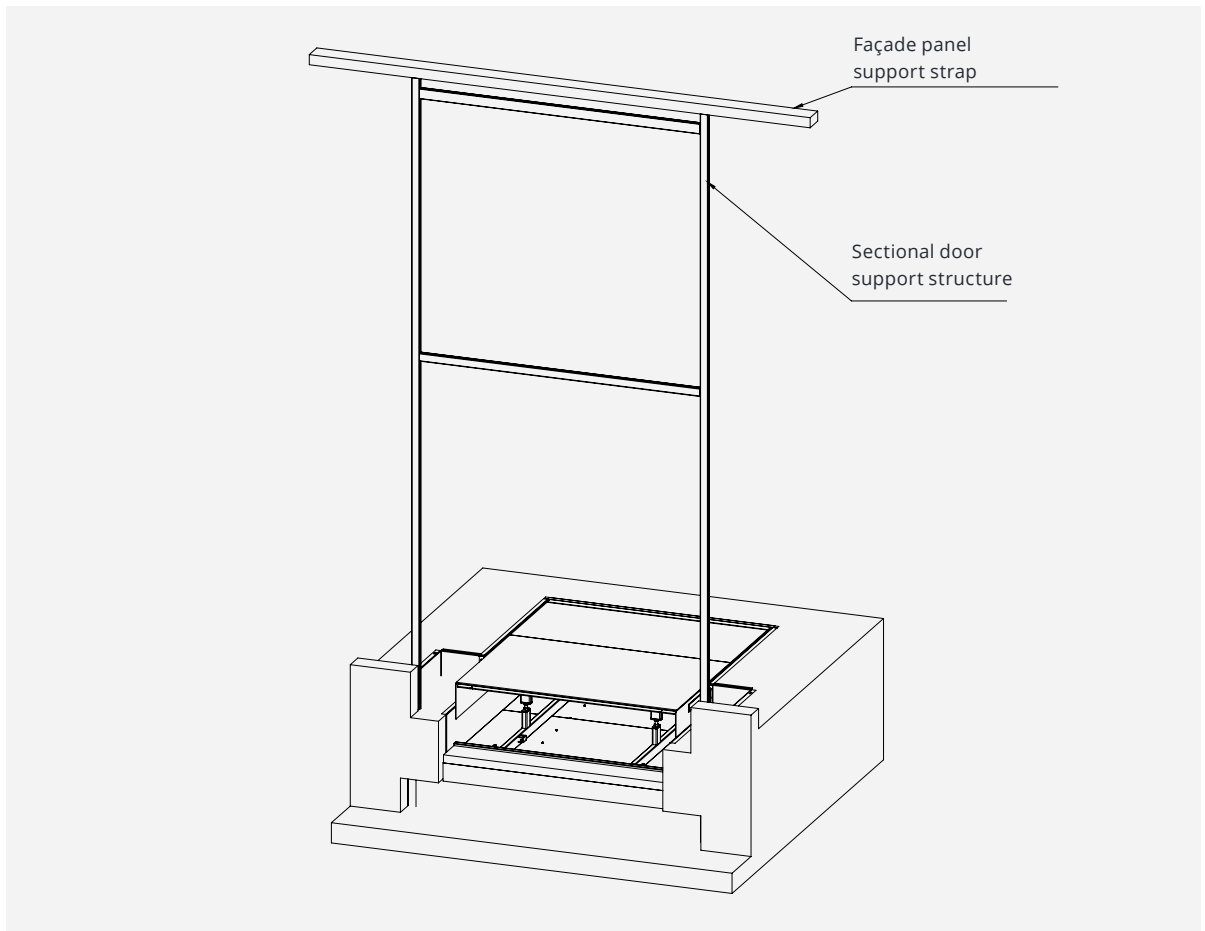


REF.	DIMENSIONS	+	-
0103B0425000	2.500 mm	370	370
0103B0429000	3.000 mm	430	330

PIT DIMENSIONS FORMWORK BOX



INTERIOR TRUCK DOOR OPTION



FINISHES

STANDARD OPTION

Lacquer coating or hot-dip galvanized



Black RAL 9005 micro-textured



ADDITIONAL FINISH OPTIONS

- Stainless steel
- 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.



OPTIONAL SELF-SUPPORTING STRUCTURE



DOCK WHEEL GUIDES



VEHICLE RESTRAINT



DOCK SHELTERS



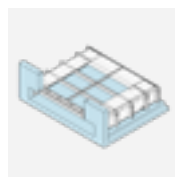
TRAFFIC LIGHTS



DOCK BUMPERS



BOARD OF TIGHTNESS



FORMWORK BOX