Hydraulic Loading Bridge

PAHI

Hydraulic loading bridge designed for the loading and unloading goods in any loading bay.

Loading Bridges

TECHNICAL DESCRIPTION

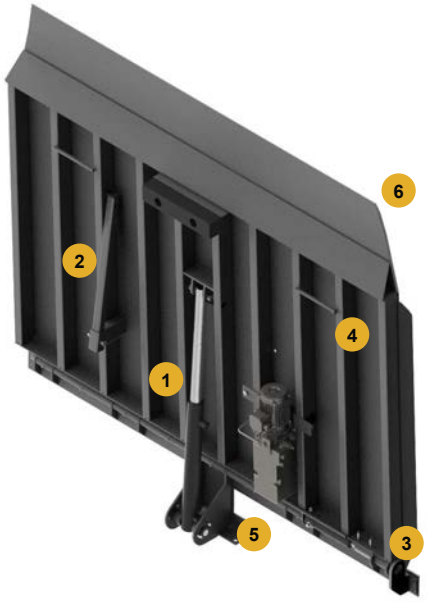
Inkema's Hydraulic Loading Bridge is designed to stand a nominal maximal load of **6 tons**.

Its structure is made of teared upper plate (thickness 6/8mm) with side brackets and cold rolled steel U-type profiles. The base of loading bridge is composed of a set of hinges and lifting cylinder supports.

The dimensions of the hydraulic loading bridge are as follows: **length 1775mm, width 2200mm**.

COMPONENTS

The Hydraulic Loading Bridge - PAHI is composed of base, structure, hydraulic system and electrical system.



1. Elevation cylinder
2. Maintenance bar
3. Lock cylinder
4. Anchor points for installation
5. Flotation detector
6. Bevelled lip

TECHNICAL DATA

- Nominal load capacity 6 tons.
- Weight of the loading bridge: 460kg
- Noise level produced <70dB.
- Maximum speed of crossing 10km/h.
- Maximum working slope ±12.5% (±7º).
- Temperature range -20ºC +50ºC.

SAFETY ELEMENTS

The PAHI has the following safety systems:

- Non-slip surface.
- Maintenance bar.
- Anti-fall valves.
- Side railings.
- Warning signal to not operate the loading bridge with personnel in the pit.
- Buzzer for warning that the loading bridge is in motion in area of possible risk.
- Mechanical lock in vertical position.

OTHER USES FOR LOADING BRIDGE - PAHI

The PAHI - Hydraulic Loading Bridge is an excellent solution for Cold Storage Systems, if a dock leveller can't be installed in the loading bay.

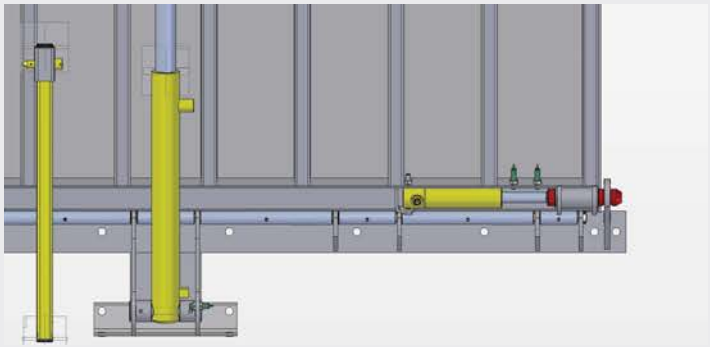
** For more information, you can consult the Cold Storage product category of our website.*

C/ Galileo, 2 – Naves 4 - 12 – Apartado de correos 132 – 08150 Parets del Vallés – Barcelona – (Spain)
For further information please contact us by phone **+34 93 544 47 08** or by email: **export@inkema.com**

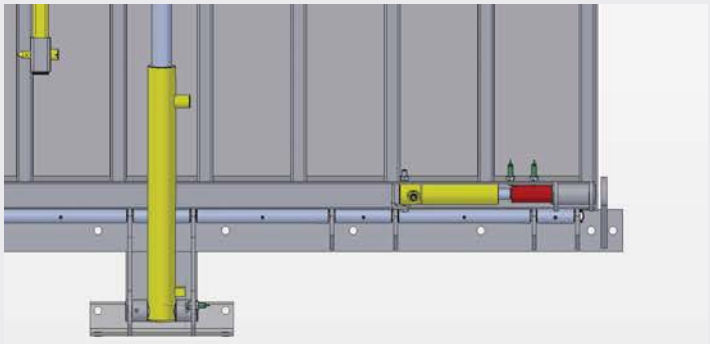
LOADING BRIDGE LOCKING SYSTEM

The PAHI loading bridge has an **exclusive locking system** that makes it unique compared to the other loading bridges on the market.

It consists in the **activation of a safety device** when the loading bridge is in resting mode (red device in the graphic). It mechanically locks the loading bridge safely in its upright position.



Loading bridge in resting position, with the safety device activated to prevent its accidental fall.



Loading bridge unlocked ready to descend for loading and unloading goods.

HYDRAULIC EQUIPMENT DETAILS

The PAHI loading bridge has a hydraulic control unit with the following characteristics:

Voltage: 230/400V
Frequency: 50/60Hz
Power: 1.1kW (1.5 metric HP)
Revolutions: 1500rpm
Flow rate: 1.0cc/v
Deposit capacity: 3.5 Lit.
Maneuvering voltage: Coils 24v AC.

PAHI hydraulic loading bridge in lowered position.

Locking system activated using safety device.

FINISHES

Painted:
Highly resistant to corrosion and environmental agents. Standard colour grey RAL 7016, any other colour can be chosen according to RAL chart.

Galvanised:
Excellent resistance to corrosion and environmental agents.

STANDARDS

Inkema declares that the PAHI hydraulic loading bridge conforms to the following European directives:

2006/42/CE, 2014/35/UE, 2014/30/UE and UE 305/2011

Designed and manufactured in accordance with the following harmonised technical standards:

UNE-EN 1398 and UNE-EN ISO 12100

Complies with the following technical standards:

UNE-EN 349, UNE-EN ISO 13857, UNE-EN ISO 4413, UNE-EN 60204-1, UNE-EN 61000-6-2, UNE-EN 61000-6-3 and UNE-EN 61000-6-4

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