

# HYDRAULIC DOCK LEVELLERS

Hydraulic dock levellers

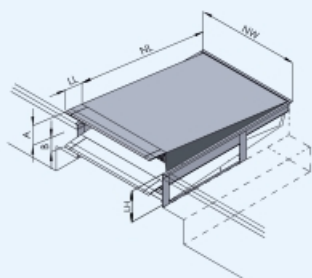
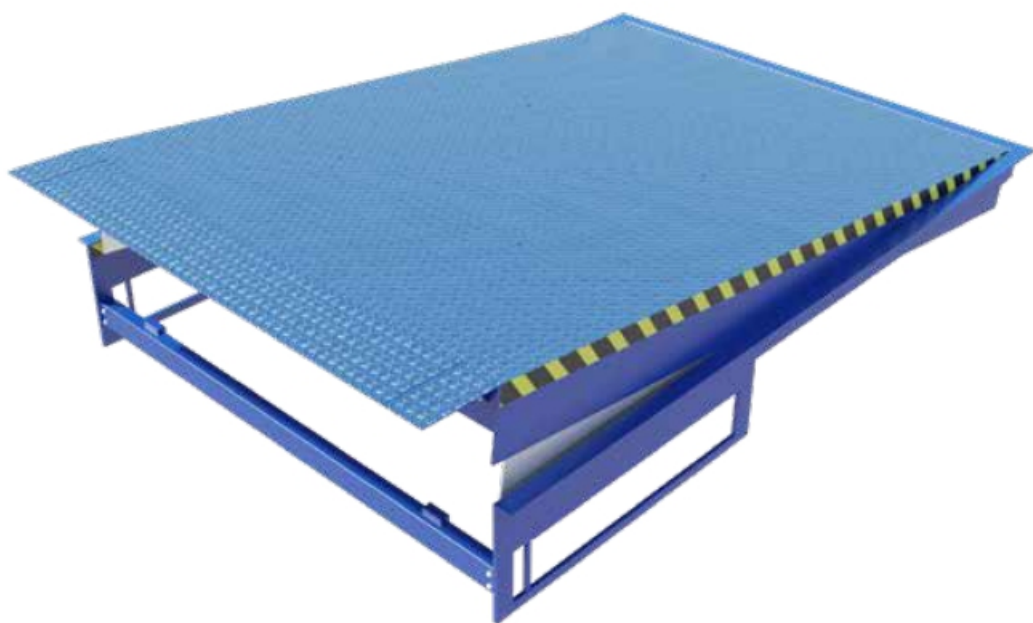
Hydraulic dock levellers are a safe and effective way to bridge the gap as well as compensate the difference in height between the unloading vehicle and the warehouse floor. Our dock levellers are available with a swing-lip or with a telescopic lip and can be ordered in industry-standard sizes or as bespoke projects. We have a solution for every loading bay requirement and all our products meet the EN1398 standard for loading docks.



# PS - Hydraulic Dock Levelle

## PS - Hydraulic Dock Leveller with Swing Lip

Our PS Hydraulic Dock Leveller with Swing Lip is a safe and efficient solution for busy loading bays where quick loading and unloading of standard-size trucks is necessary. Thanks to the robust swing lip, the gap between the vehicle and the building can safely be bridged while compensating for the height difference, even during loading and unloading.



### Standard parameters:

Nominal lengths (NL):	1750, 2000, 2500, 3000, 3500, 4000, 4500 mm
Nominal width (NW):	1750, 2000, 2100, 2200, 2250, 2400 mm
Leveller heights (LH):	600, 700, 800, 900 mm
Lip lengths (LL):	400, 500 mm
Rated Load Capacity :	6 ton (60kN)
Operating ranges above the level (A):	0 – 620 mm
Operating ranges below the level (B):	0 – 350 mm

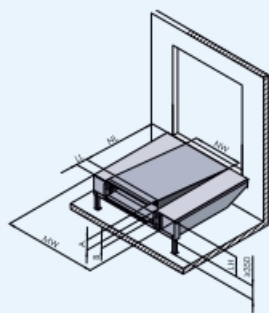
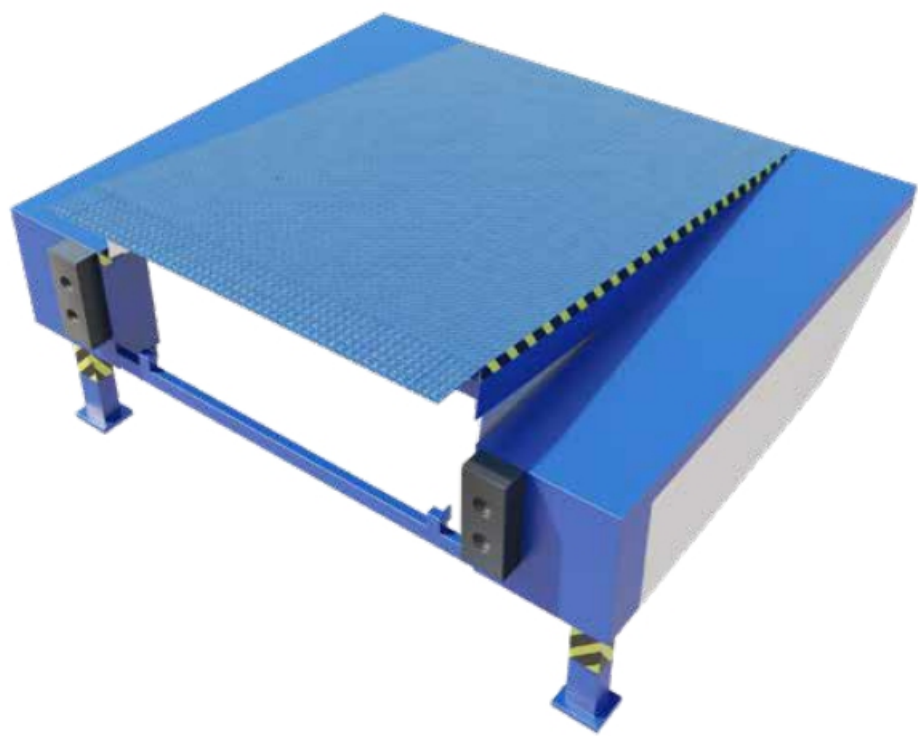
### Options:

Fall-Guard	One piece platform surface
Anti-slip protective coating	Insulation Solutions Available
Lip tapered 125 mm	PVC curtain for tail lift Hot-
Lip bevelled 100mm	Dip Galvanising
Lip 500 mm	
Top plate thickness 8/10mm	

# PAS – Loading Ramp

## PAS – Loading Ramp with Swing Lip Leveller

The PAS Loading Ramp with Swing Lip Leveller is a combination of the PS Dock Leveller integrated into a self-supporting frame. With all the advantages of the PS Dock Leveller, the PAS Loading Ramp is a cost-effective solution to add a loading bay to an existing premises and to a maximise the internal storage space of the building. This loading ramp can be used with a loading house to make a complete loading bay solution.



### Standard parameters:

Nominal lengths (NL):	2000, 2450, 3000, 3500 mm
Nominal width (NW):	2000, 2200 mm
Leveller heights (LH):	700, 800 mm
Lip lengths (LL):	400, 500 mm
Loading ramp module with (MW):	3300, 3500 3600 mm
Rated Load Capacity:	6 ton (60kN)
Operating ranges above the level (A):	0 – 410 mm
Operating ranges below the level (B):	0 – 360 mm

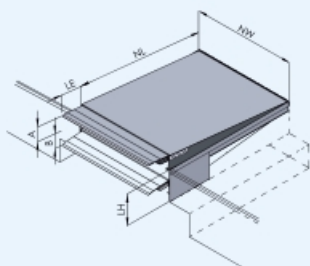
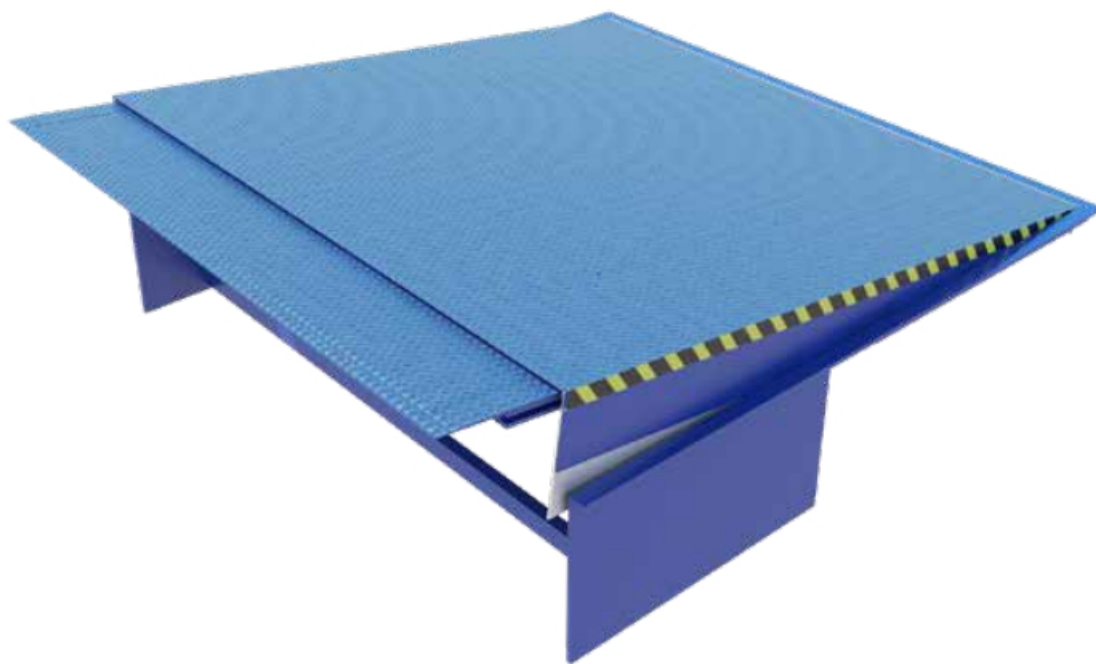
### Options:

Fall-Guard	One piece platform surface
Anti-slip protective coating	PVC curtain for tail lift Hot-
Lip tapered 125 mm	Dip Galvanising
Lip bevelled 100mm	
Lip 500 mm	
Top plate thickness 8/10mm	

# PT - Hydraulic Dock Leveller

## PT - Hydraulic Dock Leveller with Telescopic Lip

Our PT Hydraulic Dock Leveller with Telescopic Lip is the ideal solution when positioning the lip on the back of the vehicle must be precise. Thanks to the extendable and retractable lip, you can achieve a larger reach and position the lip in the most effective position to allow safe and efficient loading and unloading of the vehicle while compensating for the height difference between the vehicle and the building.



### Standard parameters:

Nominal lengths (NL):	1750, 2000, 2500, 3000, 3500, 4000, 4500 mm
Nominal width (NW):	1750, 2000, 2100, 2200, 2250, 2400 mm
Leveller heights (LH):	600, 700, 800 mm
Lip lengths (LE):	500, 1000 mm
Rated Load Capacity:	6 ton (60kN)
Operating ranges above the level (A):	0 – 590 mm
Operating ranges below the level (B):	0 – 480 mm

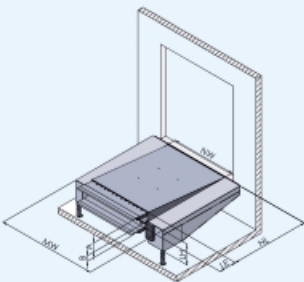
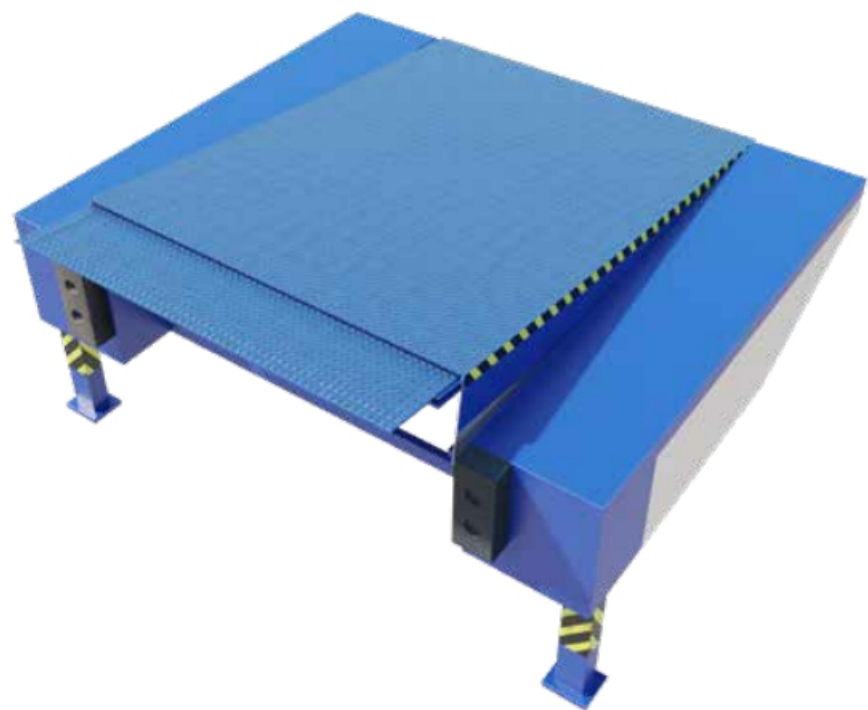
### Options:

Fall-Guard	One piece platform surface
Anti-slip protective coating	Insulation Solutions Available
Lip tapered 125 mm	PVC curtain for tail lift Hot-
Lip bevelled 100mm	Dip Galvanising
Lip 1000 mm	
Top plate thickness 10/12mm	

# PAT – Loading Ramp

## PAT – Loading Ramp with Telescopic Lip Leveller

The PAT Loading Ramp with Telescopic Lip Leveller is a combination of the PT Dock Leveller integrated into a self-supporting frame. With all the advantages of the PT Dock Leveller, the PAT Loading Ramp is a cost-effective solution to add a loading bay to an existing premises and to a maximise the internal storage space of the building. This loading ramp can be used with a loading house to make a complete loading bay solution.



### Standard parameters:

Nominal lengths (NL):	2000, 2250, 2450, 3000, 3500 mm
Nominal width (NW):	2000, 2200, 2250, 2400 mm
Leveller heights (LH):	700, 800 mm
Lip lengths (LE):	500, 1000 mm
Loading ramp module with (MW):	3300, 3500 3600 mm
Rated Load Capacity:	6 ton (60kN)
Operating ranges above the level (A):	0 – 590 mm
Operating ranges below the level (B):	0 – 480 mm

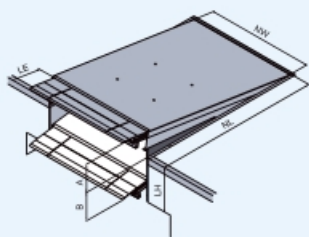
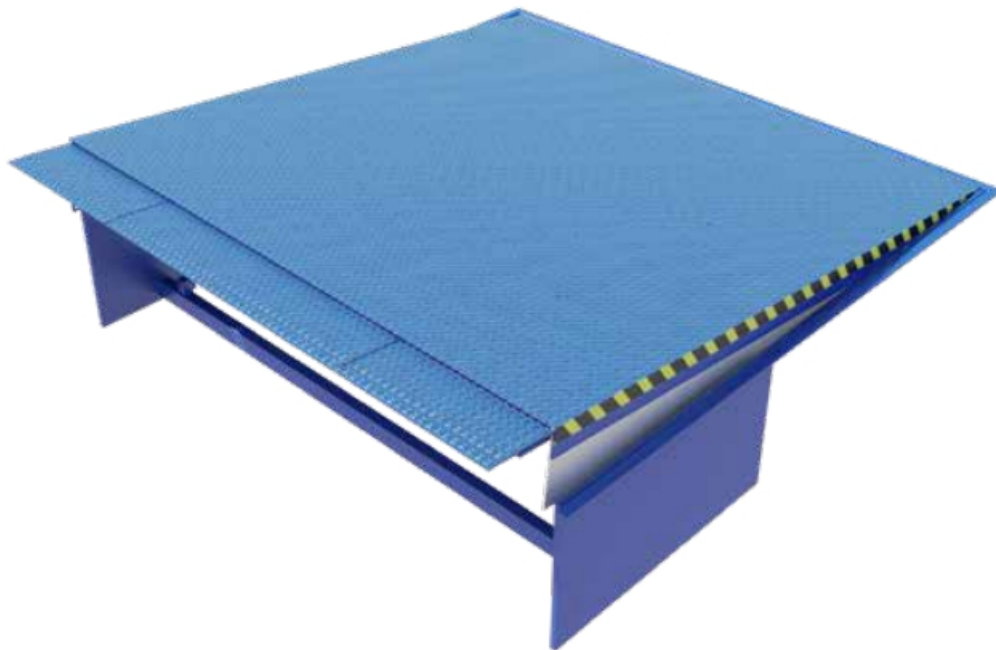
### Options:

Fall-Guard	One piece platform surface
Anti-slip protective coating	Insulation Solutions Available
Lip tapered 125 mm	PVC curtain for tail lift
Lip bevelled 100mm	
Lip 1000 mm	
Top plate thickness 10/12mm	

# PTU - Hydraulic Dock Leveller

## PTU - Hydraulic Dock Leveller with Segmented Telescopic Lip

The PTU Hydraulic Dock Leveller with Segmented Telescopic Lip allows the flexibility of loading and unloading standard trucks and delivery vans using the same loading dock leveller. When selected for use with a delivery van, only the 1200mm segmented lip is extended and the weight on the van is hydraulically reduced to approximately 100kg to avoid damaging the vehicle. In other circumstances it can be used in the same way as a PT Dock Leveller.



### Standard parameters:

Nominal lengths (NL):	3000, 3500, 4000, 4500 mm
Nominal width (NW):	2000 mm
Leveller heights (LH):	800, 900, 950 mm
Lip lengths (LE):	500, 1000 mm
Rated Load Capacity:	6/2 ton (60/20kN)
Operating ranges above the level (A):	0 – 600 mm
Operating ranges below the level (B):	0 – 720 mm

### Options:

Fall-Guard	Top plate thickness 10/12mm
Anti-slip protective coating	One piece platform surface
Lip tapered 125 mm	Insulation Solutions Available
Lip bevelled 100mm	PVC curtain for tail lift Hot-
Lip 1000 mm	Dip Galvanising

# Control panel

The control panels for PROMStahl dock levellers have been designed to not only simplify the loading and unloading process, but to also provide even greater safety and efficiency for the user. We offer a standard version as well as versions which can be adapted to provide multiple functions. The control panel allows you to raise the dock leveller platform and extend the platform lip to its working position, and the auto-return button allows the dock leveller to go from the working position to the resting position at the push of a button. The control panel has the ability to control pneumatic dock shelters, sealing curtains and doors and can easily be set-up to work with additional safety products including vehicle sensors, door sensors and traffic lights.



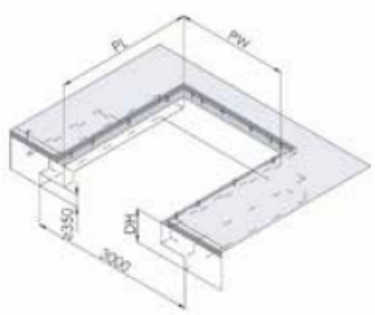
## Control panels

Opcja:	Basic PS	Basic PT	Standard PS/PT
Buttons to control leveller operation	YES	YES	YES
Button to allow auto-return to resting position	NO	YES	YES
Locking the leveller with door sensor	YES	YES	YES
Automatic door locking while leveller is working	NO	YES	YES
Wheel chock sensor	YES	YES	YES
Pneumatic shelter control	NO	NO	OPTION
Sealing curtain control	NO	NO	OPTION
Buttons to control the door	NO	NO	OPTION
Support for traffic lights	NO	NO	YES
Vehicle sensor	NO	NO	YES
Position sensor of the leveller	NO	NO	YES
Dock lighting control	NO	NO	YES

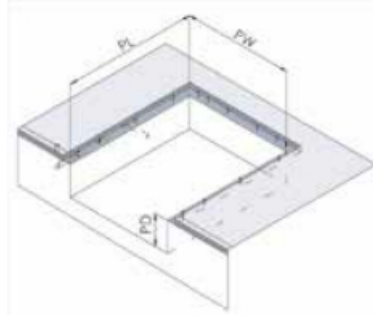
# Frame types

## T-LEVELLER FRAME TO BE EMBEDDED IN CONCRETE

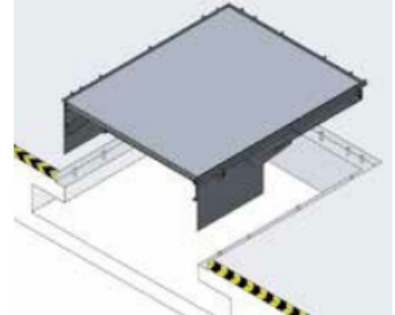
Fast and clean installation in one step.



with tail-lift recess



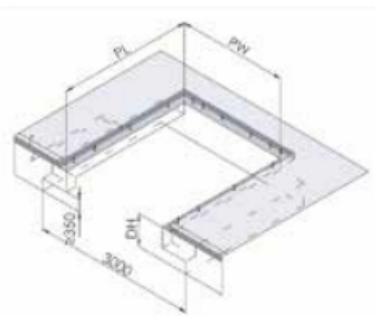
without tail-lift recess



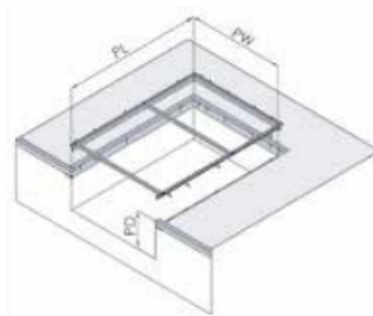
- PL** Pit lenght
- DH** Pit width
- PW** Dock height
- PD** Pit depth

## W-LEVELLER FRAME TO BE WELDED IN

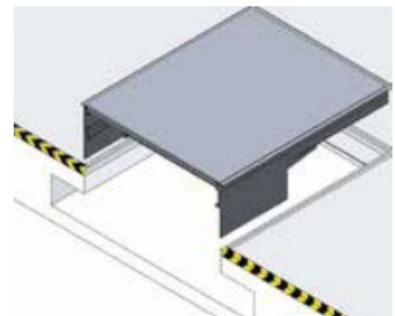
W leveller frame to be welded in. The frame can be mounted to the floor slab already before installation of the dock leveller. The leveller is then just welded to the pre-installed frame. Pit preparations are identical for T and W-type frames so that maximum flexibility is guaranteed.



with tail-lift recess



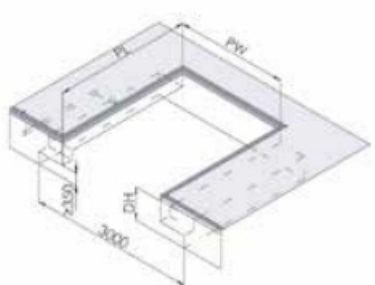
without tail-lift recess



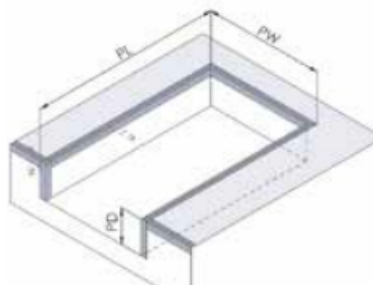
- PL** Pit lenght
- DH** Pit width
- PW** Dock height
- PD** Pit depth

## F-FLAT FRAME TO BE WELDED IN

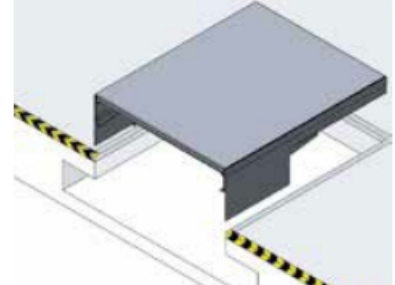
For easy replacement of existing dock levellers. With the F-type frame the existing leveller is removed from the pit and replaced by a correspondingly narrower and shorter one. The existing frame can still be used if its load capacity is sufficient. Thus, concrete work is not required.



with tail-lift recess



without tail-lift recess

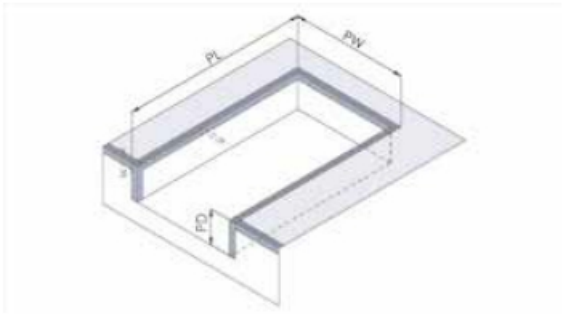


- PL** Pit lenght
- DH** Pit width
- PW** Dock height
- PD** Pit depth

# Frame types

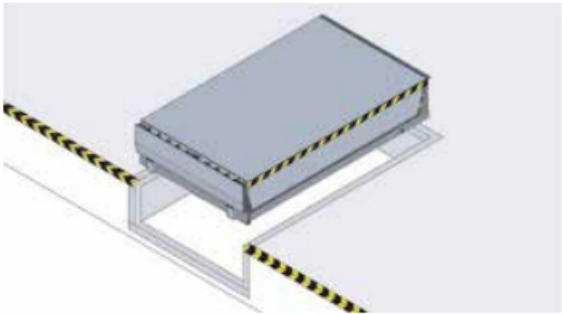
## P-FRAME MOUNTED IN THE PIT

Fast and cost-effective installation of the leveller. Recommended for levellers without tail-lift recess. without tail-lift recess.



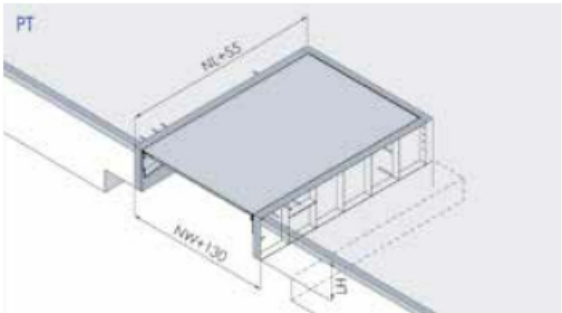
with tail-lift recess

**PL** Pit lenght,  
**PW** Pit width  
**PD** Pit depth

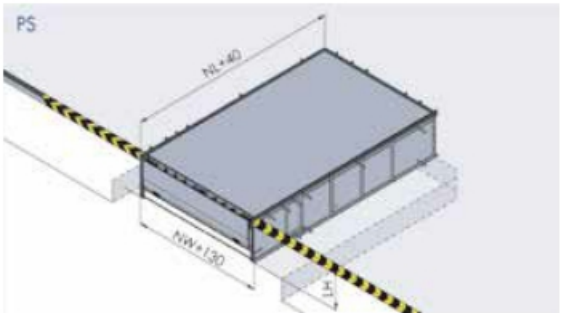


## B-BOX FRAME

No need to prepare a standard installation pit. Preparation of the building floor slab is much easier as cladding work is not necessary.

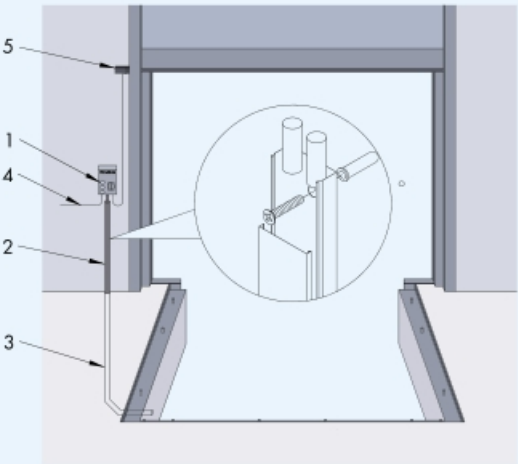


**NL** Nominal length  
**LH** Nominal width  
**NW** Leveller height



**NL** Nominal length  
**LH** Nominal width  
**NW** Leveller height

## Electrical preparations (by others)



- 1 Electrical control unit (supplied)
  - 2 Cable conduit (by others)
  - 3 Wire conduit, Minimum internal diameter 50 mm, angled pipe  $\geq 45^\circ$  (by others)
  - 4 **Mains supply:**  
3/N/PE AC 50 Hz  
400 V/ CEE 16A  
**Cable:**  
3 x 0,75 mm2  
7 x 0,75 mm2 (PT)
  - 5 Door/dock leveller light sensor\*
- |                                    |  |
|------------------------------------|--|
| <b>Mains fuse:</b><br>DO 10 A gL   | <b>Motor power:</b><br>0,75 kW (PS)<br>1,5 kW (PT) |
| <b>Motor cable:</b><br>4 x 1,5 mm2 |  |

\*Option