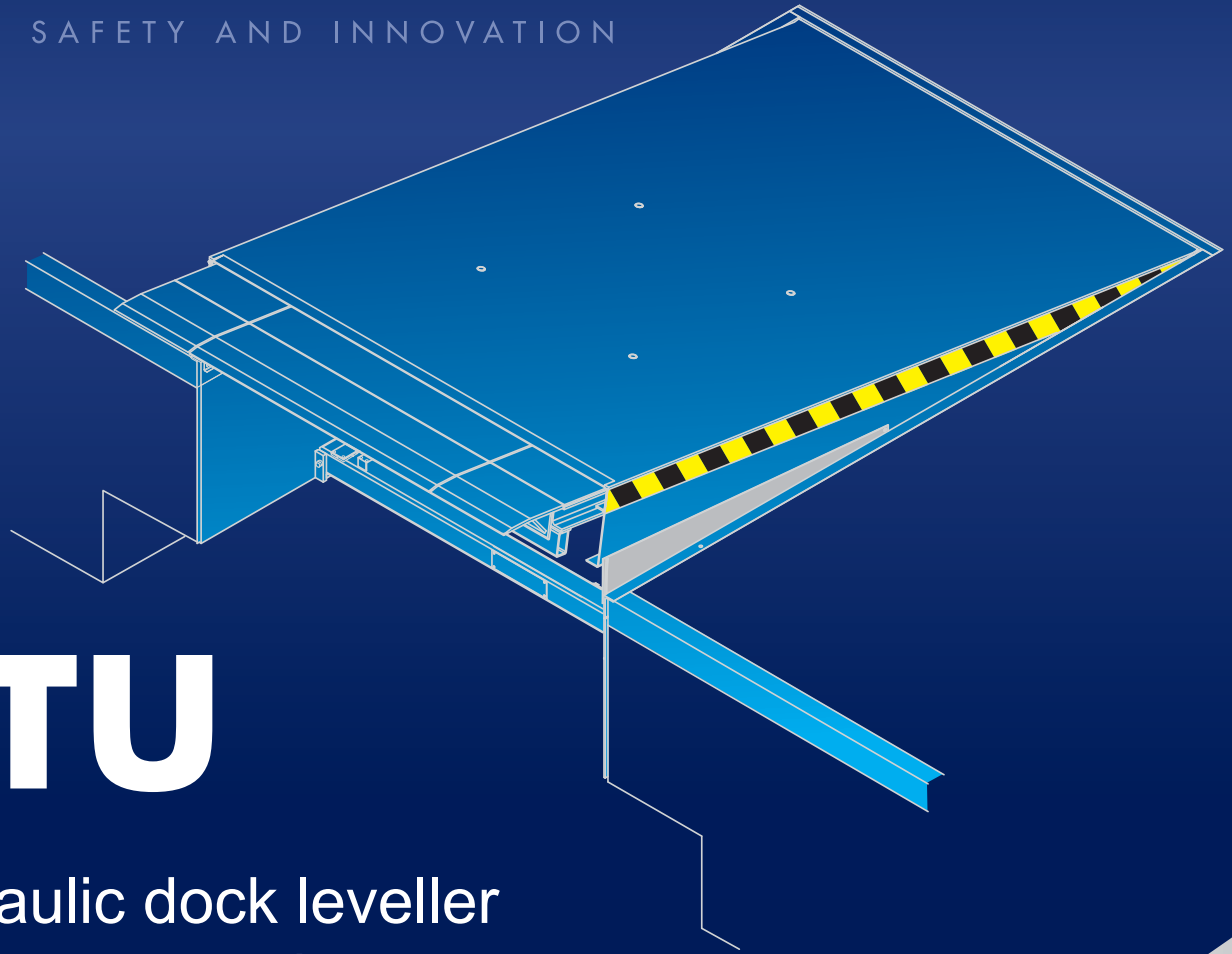




PROM STAHL

VERLADETECHNIK · INDUSTRIETORE

SAFETY AND INNOVATION



PTU

Hydraulic dock leveller
with segmented
telescopic lip

Product features:

- flexibility / versatility
- standard sizes available within 4 - 5 weeks
- option packages for customization
- robust steel design
- control unit with a wide range of options
- different frame types
- load capacity: 20 kN/ 60 kN; selectable depending on the type of vehicle (van / standard truck)
- other load capacities and sizes on request



PTU



PROMStahl's new product, the PTU, is a stationary electro-hydraulic dock leveller with a segmented telescopic lip. It represents the optimal solution for loading and unloading different types of vehicles like for example lorries and vans. This versatility leads to enormous cost savings.

The most important feature of this type of leveller is its segmented (3-part) telescopic lip. Depending on the type of vehicle docked (lorry or van) the operator chooses the related mode of operation on the control unit. For vans, only the 1200 mm segment in the middle of the telescopic lip is extended. In this case the leveller's load capacity is 20 kN. Thanks to the PTU's special design, the weight on the van is hydraulically reduced to about 100 kg.

For loading and unloading standard trucks, all three segments of the telescopic lip are automatically positioned on the lorry bed with their total width of 1950 mm. In that case, the load capacity of the dock leveller is increased to 60 kN. The PTU is operated electric-hydraulically at the push of a button; after exact positioning of the lip on the lorry bed, it follows the height variations of the vehicle being loaded or unloaded (automatic floating position).

The PROMStahl PTU dock leveller meets all requirements of the European standard EN 1398.

Design:

The PTU model consists of the following components:

- self-supporting frame
- platform with an integrated telescopic lip
- hydraulic unit
- control unit

Surface treatment:

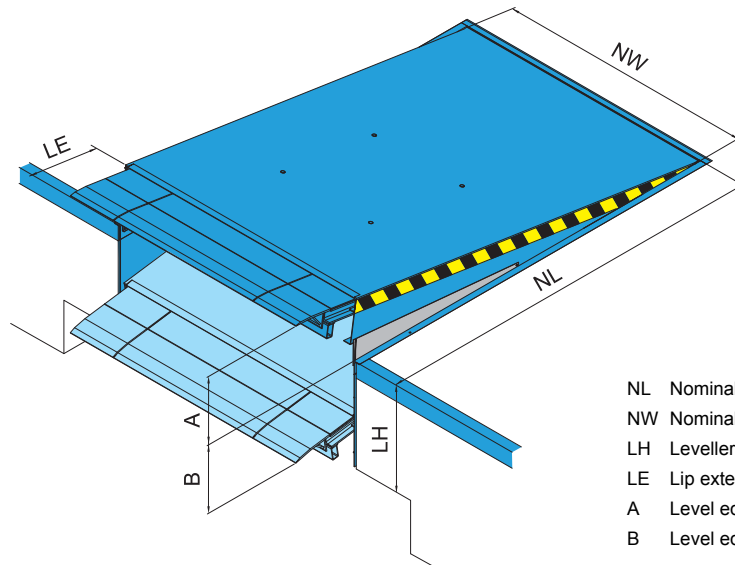
To assure optimum protection against corrosion, prior to assembly, all steel elements are sandblasted and then covered by a special paint. In standard, all levelers are painted in RAL 5010 (blue) or RAL 7016 (grey) colour with a layer thickness of 80 µm; further RAL colours and layer thickness are available (option).

Safety devices:

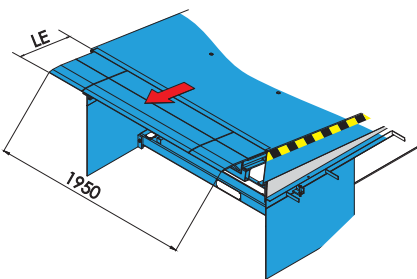
- control unit with auto button (standard)
- hydraulic emergency stop valve
- immediate stop of all movement after power failure
- A control unit RESET must be carried out after a power failure
- Perfect stability and good torsion ability of up to 10% of the platform width are guaranteed
- Yellow-black warning stripes on the sides indicate crushing hazards
- maintenance rod for service and repair work

Technical data:

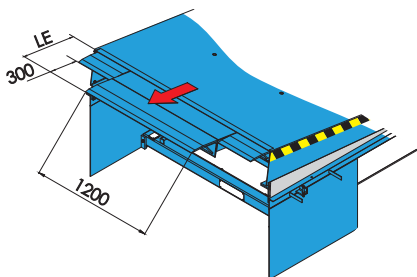
Nominal load in accordance with EN 1398:	20 kN (van) / 60 kN (lorry)
Nominal length:	3000, 3500, 4000, 4500 mm
Nominal width:	2000 mm
Telescopic lip length:	500, 1000 mm
Maximum slope in accordance with EN 1398:	12.5 % (ca. 7°)
Supply voltage:	3x 400 V, N, PE, 50 Hz
Fuse:	3x16 A
Protection class:	IP 54, IP 65
Max. motor power:	1.5 kW
Platform tear plate thickness:	10/12 mm
Telescopic lip tear plate thickness:	13/15 mm



- NL Nominal length
- NW Nominal width
- LH Leveller height
- LE Lip extension
- A Level equalisation above dock
- B Level equalisation below dock



Lorry loading/unloading (load capacity 60 kN).



Van loading/unloading (load capacity 20 kN).

NL	LH	LE	A	B
3000	800	500	470	550
3500	900		500	580
4000	950		550	650
4500	950		540	650
3000	800	1000	550	620
3500	900		570	645
4000	950		620	720
4500	950		600	710

Options / Accessories:

- telescopic lip with 100 mm chamfered front section (40 mm in standard)
- 1000 mm telescopic lip (standard: 500 mm)
- different frames types
- paintings in all RAL colours
- hot-dip galvanization
- possibility of connecting a wheel chock, a vehicle detection system, traffic lights, dock lights, a pneumatic dock shelter and a door locking system
- wide range of steel and rubber buffers
- EPDM sealing
- other load capacities and sizes on request
- anti-slip / anti-noise coating
- 40 mm / 60 mm platform insulation