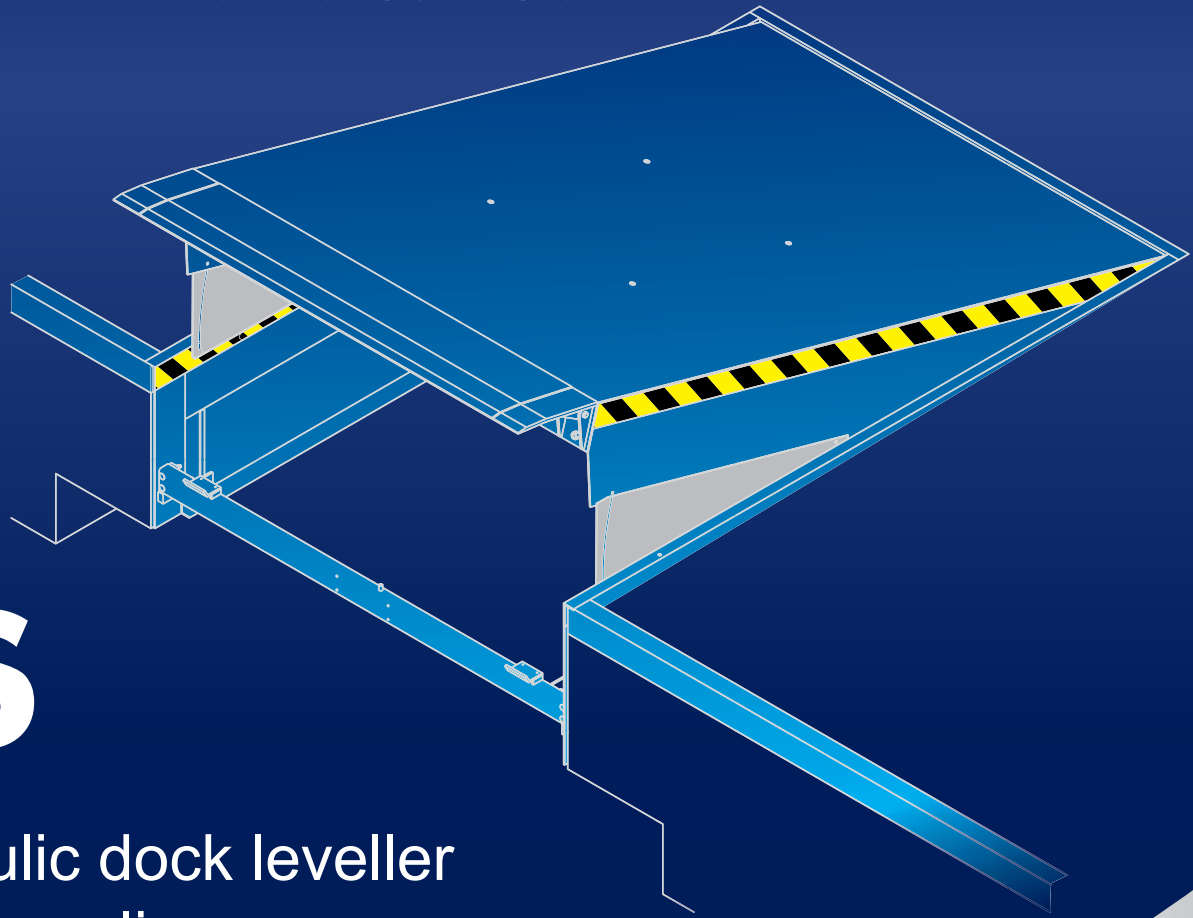




PROM STAHL

VERLADETECHNIK · INDUSTRIETORE

SAFETY AND INNOVATION



PS

Hydraulic dock leveller with hinge lip

Product features:

- flexibility / versatility
- standard sizes available within 4 - 5 weeks
- comprehensive option packages for customization
- robust steel design
- control unit with various options
- different frame types
- load capacity: 60 kN
- other load capacities and sizes on request



PS



The stationary dock leveller with hinge lip (PS) is a new product of PROMStahl's wide product range. This top-quality product benefits from over 15 years of experience in designing and manufacturing docking systems. The electro-hydraulic PS leveller is operated at the touch of a button. As soon as the platform has reached its highest position the lip swings out automatically and comes to rest on the lorry bed. During loading and unloading the PROMStahl dock leveller follows the movements of the vehicle (automatic floating position). The PS dock leveller is supplied including frame and installed in the pit as a compact unit in just one step. Additional supports are not necessary. Considerable savings in installation and its tail-lift recess, i.e. the possibility to accommodate tail lifts, are the big advantages of this system. The load capacity of the PS dock leveller corresponds to the axle load limit taking into consideration the most unfavourable loading case. The PROMStahl dock leveller meets the requirements of the most recent European standards (EN 1398) and has passed the GS safety tests.

Design:

The PS model consists of the following components:

- self-supporting frame
- platform with integrated hinge 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 thicknesses are available (option).

Hydraulic unit:

The dock leveller is operated by means of a hydraulic under-oil unit (0.75 kW).

Control and operation:

The dock leveller is driven using a variety of control units.

Customized solutions are available.

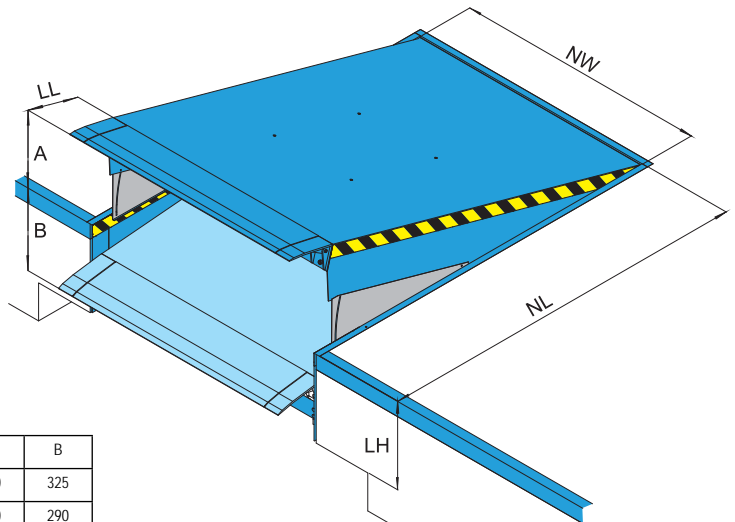
Safety devices:

- control unit without auto button (standard)
- hydraulic emergency stop valve
- immediate stop of all movement in the case of power failure
- After a power failure a control unit RESET must be carried out
- 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:	60 kN (dynamic), 84 kN (static)
Nominal length:	1750, 2000, 2500, 3000, 3500, 4000, 4500 mm
Nominal width:	1750, 2000, 2200, 2250 mm
Lip length:	400, 500 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 65
Max. motor power:	0.75 kW
Platform tear plate thickness:	6/8 mm (option 8/10 mm)
Hinge lip tear plate thickness:	13/15 mm
Other load capacities:	80 kN / 100 kN / 120 kN

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



NL	LH	LL	A	B
1750	700	400	250	325
2000	600		250	290
	700		290	340
2500	600		310	270
	700		360	330
3000	600		360	270
	700		430	330
3500	800		520	350
4000	900		570	350
4500	900		620	350
1750	700	500	130	370
			190	360
			270	340
			320	330
			410	360
			450	360
			360	500
			4500	900

Options / Accessories:

- 500 mm hinge lip
- hinge lip with 100 mm chamfered front section (40 mm in standard)
- hinge lip with tapered edges or fold-down segments to handle narrow trucks
- different frames types
- painting 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