



GreenPlus



IsoPlus



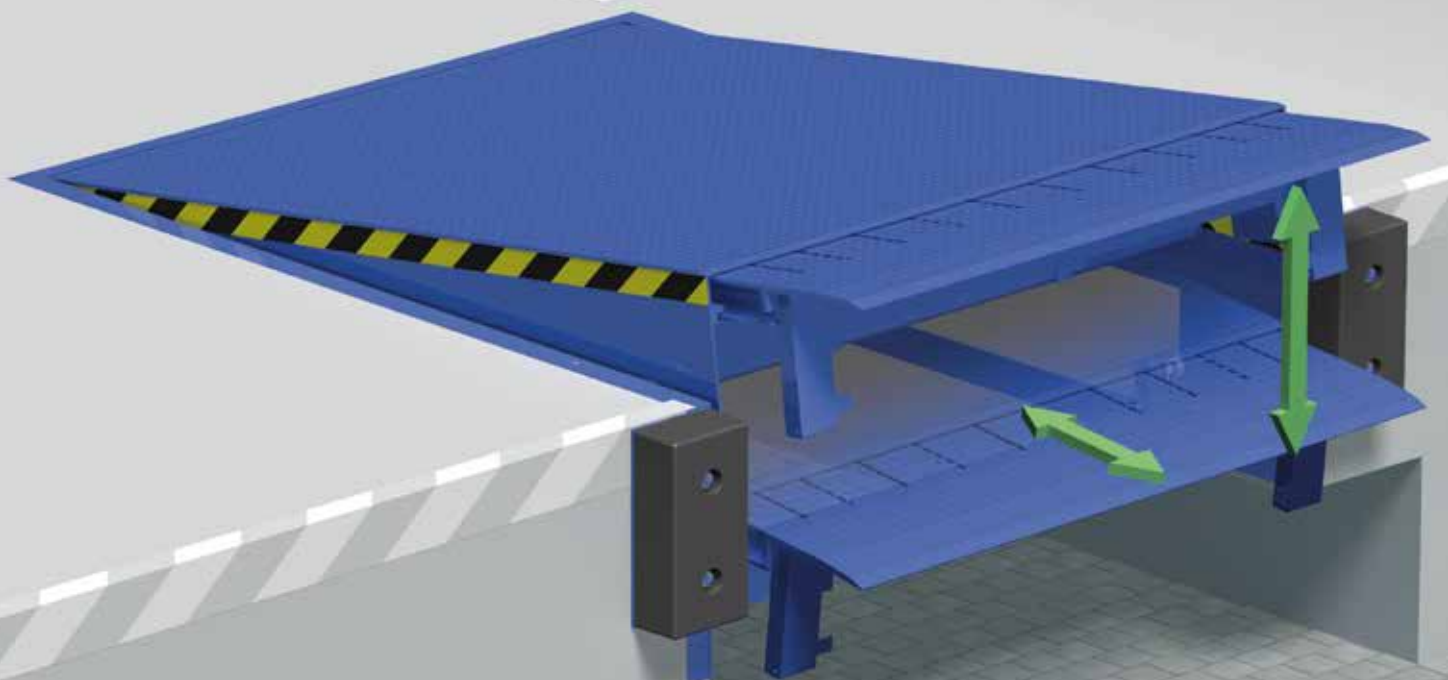
DoorPlus



SafetyPlus



Nominal load



L550i

HYDRAULIC DOCK LEVELLER
WITH TELESCOPIC LIP

Product characteristics

- Green Solution Product
- up to 70 % lower power consumption
- Option Packs for individual configuration
- robust steel construction
- i-Vision control
- NCI on board
- 100 kN dynamic load bearing capacity

L550i

The L550i is especially designed for heavy goods in transit. The hydraulic dock leveller with telescopic lip combines a robust steel construction with state-of-the-art control technology, thus making for efficient loading. For all products with Green^{Plus} packaging, the used materials meet current environmental standards and make an important contribution to CO₂ reduction thanks to their extremely low energy consumption.

Structure

The L550i consists of the following units:

- a self-supporting base frame
- a platform with integrated telescopic lip
- a hydraulic system for moving the platform and the telescopic lip mounted on roller bearings
- a control system type i-Vision TA

Surface

All steel construction parts are painted in RAL 5010 (gentian blue), RAL 7016 (charcoal grey) or RAL 9005 (black). To ensure an optimal corrosion protection, all steel parts are first sandblasted and then coated with two-component paint.

Hydraulic drive

With a middle-pressure hydraulic system, the two lift cylinders for the platform and the telescopic lip cylinders are controlled independently.

Control and operation

The dock leveller is operated via the control system type i-Vision TA. The components of the control system are RoHS-compliant (unleaded).



i-Vision TA



i-Vision TAD

NCI on board

The integrated Novoferm Communication Interface (NCI) provides over 50 important parameters. The LION 4.0 software supports you in analyzing these relevant data for a more efficient loading process.

Safety devices

- Hydraulic emergency stop
- Stopping all movements in case of a power failure
- After a power failure, the control must first be reset.
- Due to the twisting of the main deck, it can be ensured that the telescopic lip is lying flat even in the case of a single-sided load. This prevents the creation of steps or tripping hazards from forming.
- Lateral, yellow-black hazard warning markers
- Maintenance strut

Technical data

Nominal load according to EN 1398100 kN
 Nominal widths.....2000, 2250, 2400 mm
 Telescopic lip500 mm

Nominal lengths (mm)	Nominal heights (mm)	Operational range (mm)	
		Telescopic lip 500 mm	
		Above Dock	Below Dock
2000	700	300	400
2500	700	300	400
3000	800	370	400
3500	900	450	400
4000	900	450	400
4500	900	450	400

The maximum incline permissible according to EN 1398 is 12.5%.

Power supply.....3 N~ 400 V/50 Hz/16 A
 Protection rating.....IP 65
 Motor ratingmax. 1,5 kW

Construction characteristics platform material thickness.....10/12 mm
 Telescopic lip material thickness.....15/17 mm

Work needed in preparation for the installation

This is dependent on the preferred installation method. Please request our pit drawings.

Option Packs

The following options are available for an easy configuration of the dock leveller according to your needs and requirements.

Standard

Green^{Plus} Reduction of power consumption and CO₂ consumption

Optional

- Iso^{Plus} Insulation of dock leveller and Twin Sealing Gap
- Door^{Plus} Door and dock leveller controls in one integrated control panel
- Safety^{Plus} Additional safety through traffic light systems

For further information, please check the Option Packs data sheet.

Options/Accessories

- painting in RAL colours at customer's option
- hot-dipped design
- interlocking of door and dock leveller
- three-layered gap seals on main deck against draughts
- tapered telescopic lip for narrow HCV trailers
- large selection of steel, rubber and plastic impact bumpers
- Screen curtain below the telescopic lip
- connection of wheel chock and traffic light systems
- different installation methods (frame types)
- other dimensions and load capacities on request
- NC Silence Plus
- Antislip protection with noise reduction
- low temperature oil

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