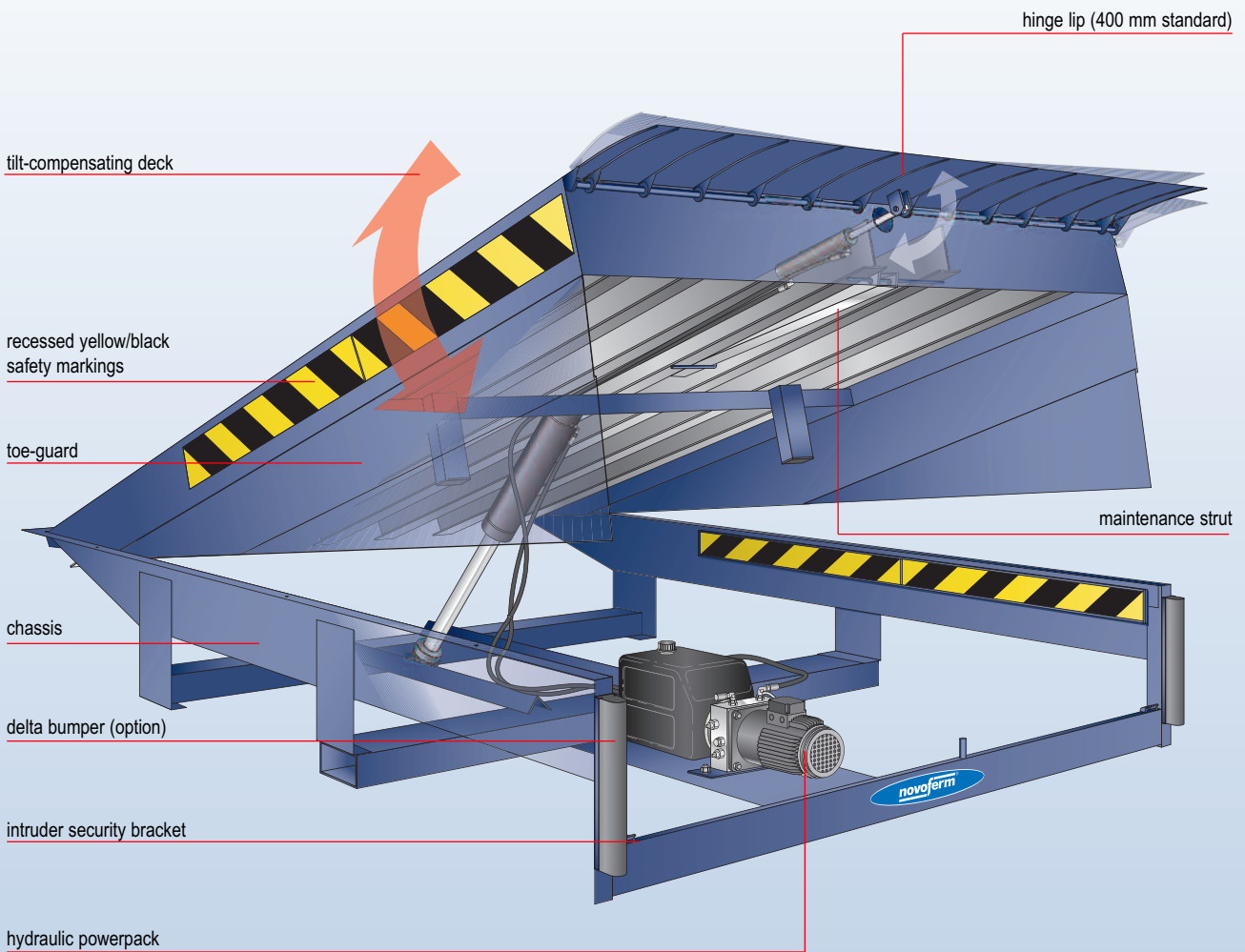


hinge lip



Features

- low pressure hydraulic deck and hinge lip cylinder
- suitable for all sizes and types of trucks
- controlled speed of descent
- extremely high quality through robotised production
- powerpack in front: easy maintenance
- in case of power failure: continue to (un-)load
- extra safety hydraulic valve
- maintenance strut with safety catch
- finishing: blasted / primered / painted
- CE mark: according to EN1398.

Novoferm's dock levellers with a hydraulically operated hinge lip create a perfect, safe and user-friendly bridge between the work floor in the building and the floor of a truck. When loading or unloading, materials handling equipment can be manoeuvred in and out of the vehicle across an even surface, continuously and in perfect safety.

Components and construction

The NLS leveller is build up of the following components:

- a chassis
- a deck, with a hinge lip at the front
- a hydraulic system that operates the deck and lip, consisting of a power pack and a deck and lip cylinder
- a control panel with operating controls.

Materials

The chassis is made of pressed steel plate. The deck is made of anti-slip checker plate and reinforced on the underside using steel profiles. The lip, which is also made of anti-slip checker plate, is connected to the deck across its full width by a pivot arrangement.

Finish

As standard, all fabricated steel components are blasted, primered and then painted in RAL 5010 (blue) or RAL 9005 (black).

Hydraulic system

Separate hydraulic cylinders operate the deck and the hinge lip. The hydraulic power pack required for operation is mounted in the front of the dock leveller. A low pressure system is used.

Control system

A printed circuit board in the control box controls all functions. As a standard, this control box with control buttons is mounted at 1500 mm above floor level next to the clear opening. The control system includes an interlock safety (option); the leveller will only function if the interlocked industrial door is in a safe position.

Operators

The following controls are located on the control box lid:

- 'deck up' push-button, which also pivots the lip out when operated
- a main isolator switch, which also functions as an emergency stop.

Safety features

- controlled speed of descent
- all movement stops in the event of a power failure
- compulsory reset following a power failure
- hose rupture safety valve
- extra hydraulic valve to ensure full oil flow in case of power failure.
- the deck is self-aligning (allowing torsion) and compensates for height differences across the width of the vehicle floor
- toe-guards
- recessed yellow/black safety markings on moving parts
- maintenance strut with safety catch
- shearing hazard is eliminated by the 25 mm gap between the lip and the frame.

Technical details

dynamic capacity	60 kN
static capacity	90 kN
deck length.....	2000, 2500, 3000 and 3400 mm
deck width	1750, 2000 and 2200 mm
chassis height	600 mm
lip length	400 mm
main supply	3N~400V/50Hz/10A
IP rating.....	IP 56
power requirement.....	max. 0,75 kW.

Structural requirements

These are dependent on the chosen installation method. See technical data sheets.

Auxiliary components/ options/ accessories

- painted in a customer-specified RAL colour
- thermally galvanised chassis or complete dock leveller
- electrical components rated to IP65
- automatic return to the neutral position
- interlock; the leveller will only function if the interlocked industrial door is in a safe position
- two extra lip segments on each side of the lip
- bevelled lip for narrow-body vehicles
- heavy-duty rubber bumpers
- steel plate in front of the bumper
- other dimensions on request
- higher capacities on request
- **exclusive package:**
 - double-acting lip cylinder
 - in case of power-failure: hinge lip in 0-position by hand
 - extra emergency button
 - self-lubricating hinges.