



RED STEEL
MATERIAL HANDLING



Dock Leveler Embedded Type

Hydraulic recessed loading leveller, with 400 mm hinged lip.

Dock Leveler Embedded Type

Dock Levelers can bridge the distance and height between the loading bay and the body of the truck, using its hydraulic tilting mechanism and hinged lip.

Its 400mm hinged hydraulic lip is long enough to allow the dock leveler's platform to rest firmly on the truck's trailer.

This type of recessed loading leveler can support loads of up to 15,000 kg, with a maximum working gradient of 12.5%



RH11 Dock Leveler with hinged lip

Dimensions

There are 4 standard sizes for our Dock Levelers, with different widths for the hinged lip. We also design and manufacture Dock Levelers that are up to 5000mm long x 2400 wide x 800 high*.

L 2060 x (W 1800/2000/2200) x H 600mm

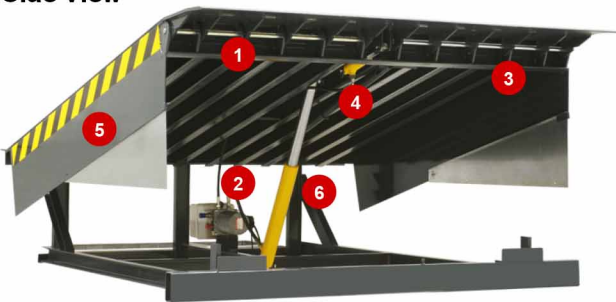
L 2560 x (W 1800/2000/2200) x H 600mm

L 2300 x (W 1800/2000/2200) x H 600mm

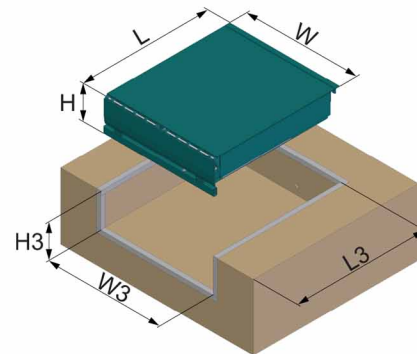
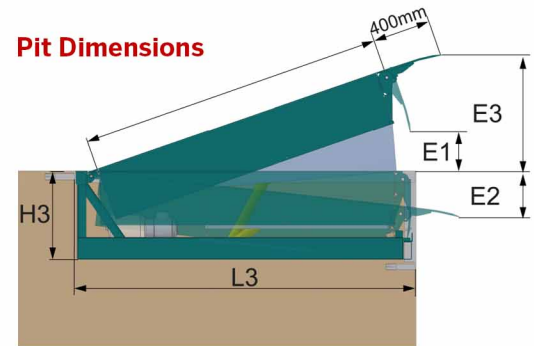
L 3060 x (W 1800/2000/2200) x H 600mm

* For other dimensions, please consult customer service.

Side View



- 1 Self-cleaning reinforced flat hinges.
- 2 Hydraulic equipment: electric motor, hydraulic pump and tank.
- 3 Axles protected from corrosion by electrolytic zinc plating treatment and passivation.
- 4 Centring system between lip and dock uses nylon separators to keep the claw in the correct position.
- 5 Toeguards for feet protection and black & yellow safety bands.
- 6 Lifting cylinders with Ø50mm piston rod and anti-fall safety valve.



	LIP	L2	W	H	L	L3	W3	H3	E1	E2	E3
2060		1900	1800 2000 2200		2060	2080	1840 2040 2240		220	310	740
2300		2140	1800 2000 2200		2300	2320	1840 2040 2240		270	305	785
2560		2400	1800 2000 2200		2560	2580	1840 2040 2240		260	300	770
3060		2900	1800 2000 2200		3060	3080	1840 2040 2240		330	290	900

Components (3 Parts)

- The platform consists of a 6/8mm thick tear plate top, rolled steel sections and lateral toeguards.
- Compact and robust lip made of 13/15 mm thick steel tear plate. The lip is hinged and its end is milled, allowing it to fit against the truck perfectly and smoothing the truck's passage.
- The lower structure is made from rolled steel sections and the platform and hydraulic group are installed on it.



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HYDRAULIC EQUIPMENT AND CONTROL PANEL

The hydraulic unit consists of: 1.0 HP 0.75kw 230/400 V electric motor, hydraulic pump with a flow rate of 5 l/m and 5 litre tank with oil level sight glass, safety solenoid valve, lifting cylinder with 50mm piston rod, lip cylinder with 30mm piston rod and hydraulic hoses.

The control panel consists of: transformer for a 24V AC control circuit, switch, connection strip, protective fuses, motor protection switch, contactor and starter pilot.



Panel



Powerpack

Safety Features

- **Emergency stop:** Activated by switch or power failure.
- **Fixed & movable toeguards:** Prevent feet from being trapped between platform and pit.
- **Side bands:** Help reduce the risk of collisions.
- **Safety bar:** Prevents it from closing during maintenance.
- **Anti-fall safety valves** inside the hydraulic cylinder.
- Platform with **anti-slip tear surface on top.**



Toeguard feet protection



Extended hinged hydraulic lip



Lifting cylinder with anti-fall valve



Suitable for any industrial purpose

Finishes



Painted:

Highly resistant to corrosion and environmental agents. Standard color gray.



Galvanized:

Excellent resistance to corrosion and environmental agents.



Stainless:

Excelent resistance to aggressive environments such as water or salt. Most resistant option for any atmosphere.



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