# PoweRamp® Docklevellers

## A condition for your logistical progress

### The Ins & Outs of Logistics

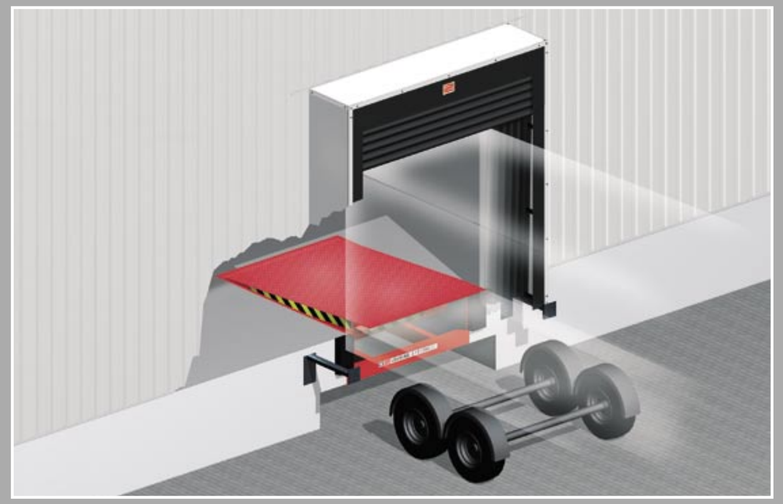
Loading Systems is an organisation operating within the transitional area between internal and external logistics. The organisation is focussed on activities to control the flow of goods between the warehouse and the external world as effectively and as smoothly as possible, whilst taking all requirements regarding dimensions, weights, loads, type of fleet, climate, ergonomics and aesthetics etc. into consideration.

The products and systems are characterised by concepts such as quality, durability, safety, functionality, ease of operation, quick installation procedures, maintenance friendliness and far reaching service facilities. This unique combination of characteristics is based on decades of experience and a vast knowledge and expertise in the field of warehouse logistics and physical distribution.

As a result of this we have developed a range of products, which has been divided into seven different groups, being:

- PowerPlate (loading plates)
- PoweRamp (dock levellers)
- PowerShelter (dock seals & shelters)
- PowerLock (vehicle restraint systems)
- PowerDoor (industrial doors)
- PowerLift (lift platforms)
- Accessories

All products and systems included in the above are directly involved with all aspects of the loading and unloading activities of warehouses. Due to this complete product range Loading Systems is well known as a total solutions supplier.



LOADING SYSTEMS

Flexibility in
the lip keepers

Maintenance free
open lip hinge construction

Modular front beam for
easy installation

Optimal distribution of
forces by tie rod

**PoweRamp® 232**

**Electro hydraulic dock leveller including hinged lip.**
**The platform as well as the lip is powered hydraulically.**

- Simple and easy 1-button operation and return to rest position by the use of a special auto return button.
- With the Logic Block-system, the hydraulic functions perform in accordance with a logical pattern. This results in that the use of error-sensitive electrical coils and valves is eliminated.
- Bended profiles have been provided to reinforce the platform in the longitudinal direction. This is especially important to allow the dock leveller to follow the lateral movement of the vehicle.
- The modular construction results in easy installation and low maintenance.

Construction with
high load capacity

Forces are distributed
trough the tie rod

Maintenance free
telescopic lip

Adjustable supports for
perfect alignment

**PoweRamp® 233**

**Electro hydraulic dock leveller including an extendable lip.**
**The platform as well as the lip is powered hydraulically.**

- With the 4-button operation, the operator controls every movement of the platform and lip.
- The tie rod and modular front beam absorb the forces through the leveller.
- The separate cylinder provides for a step less adjustment of the telescopic lip and locks the lip during loading and unloading
- From every position the return to rest position is possible by the use of only one auto return button.

LOADING SYSTEMS

**The extensive standard Loading Systems PoweRamps range can be provided with multiple options and accessories, all in accordance with the clients' specific demands.**

**A selection of options, randomly selected:**

**Option 1:**
Draught sealing at three sides to achieve
a draught-free seal around the dock leveller.

**Option 2:**
Surface treatment
Platform and lip provided with
Mandurax anti-skid finish /
Provided with insulation.

**Option 3:**
RAL colour of your own choice

**Option 4:**
Lip side segments: Hinged or sliding

**Option 5:**
Increased lip length.

**Option 6:**
Tapered lip

**Option 7:**
Increased load capacity

**Option 8:**
Hot-dip galvanised version

**Option 1**

**Option 2**

**Option 3**

**Option 4**

**Option 5**

**Option 6**

**Option 7**

**Option 8**

LOADING SYSTEMS

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# General characteristics and advantages

**In order to bridge the difference in height and distance between the loading bay and the vehicle floor Loading Systems supplies the PoweRamp dock leveller.**

**The PoweRamp docklevellers are available in a hydraulic version including a hinged or extendable lip, in numerous dimensions and capacities and various built-in possibilities. This results in the fact that mounting costs can be considerably reduced. Characteristic however is the ease of operation, the high quality and safety.**

**This brochure includes a summary of the major characteristics and advantages of PoweRamp dock leveller, which are applicable to the complete PoweRamp range, as well as a detailed listing of the main characteristics of each individual model:**

**Durability and maintenance**

- The platform and the lip of the PoweRamp is manufactured from high quality steel.
- The lower frame is provided with a protective front beam in order to protect the hydraulics and mechanics.
- The PoweRamp dock levellers are provided with a totally closed hydraulic system and open lip hinge construction and as such is impervious to dirt, sand and dust.
- Over-sized cylinders, with an extremely low operating pressure, reduce maintenance to a minimum.
- Due to the positioning of the main cylinder, the force created by a safety stop are absorbed logically by the pit.

**Quality and safety**

- All PoweRamp dock levellers have been awarded a certificate in accordance the CE-standards. The production methods as well as the operation both comply with the standard EN1398.
- As a standard the PoweRamp dock levellers have been provided with multiple safety features.

**Functionality and ease of operation**

- During the loading and unloading activities, the PoweRamp dock leveller automatically follows each upward or downward movement of the vehicle.
- As standard the control panels supplied with the PoweRamp dock levellers, have the facility for connections between the PoweRamp and other electrical equipment in the vicinity i.e. the dock door, external safety devices, etc.

**Custom-made solutions**

- All PoweRamp docklevellers have been provided with a solid self-supporting lower frame, which enables numerous mounting arrangements.
- For custom-made versions, various options are available increasing the user friendliness, improving safety and enabling integration with other products or systems on the loading bay. Furthermore there are many options to adapt the system to the architectural aspects of the building.

LOADING SYSTEMS

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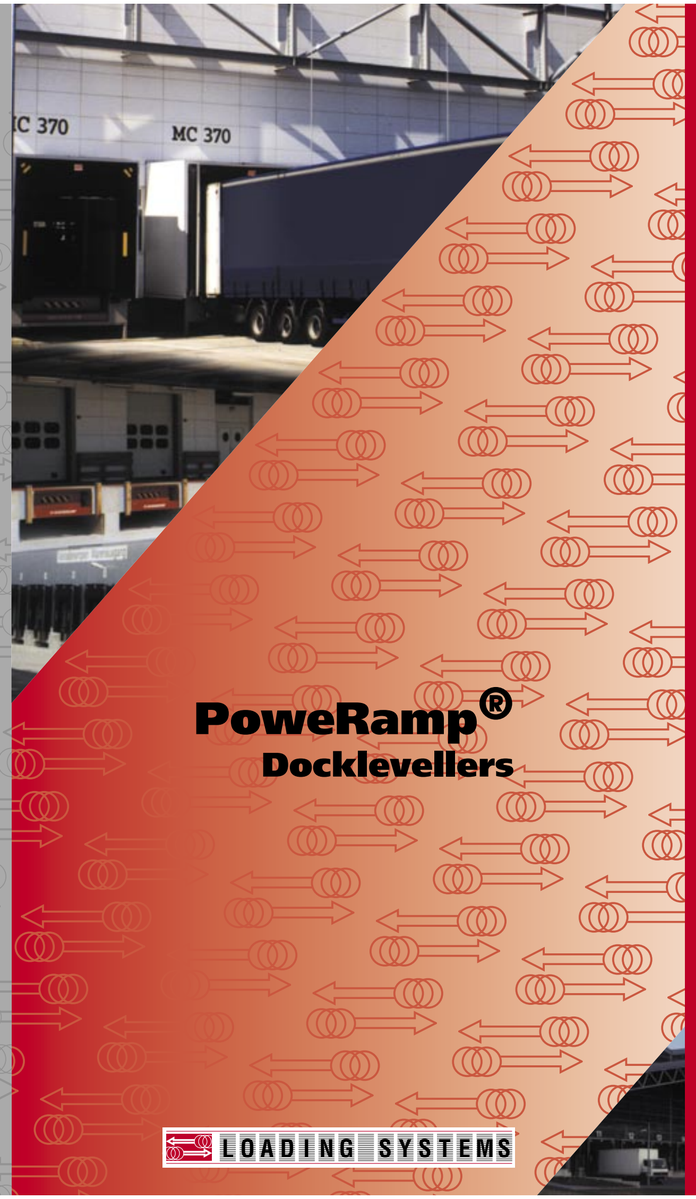
**Technical specifications are subject to change**

LOADING SYSTEMS




# PoweRamp®
## Docklevellers

LOADING SYSTEMS

PowerPlate

PoweRamp

PowerShelter

PowerLock

PowerDoor

PowerLift

Accessories