Dock leveller safety

The happy marriage of vehicle and loading dock

We take care.

Rob Fay
Managing Director for Easilift Loading Systems
Loading Systems

- 45 Years experience of Loading Bay Equipment
- One of Europe's leading providers of Loading Bay Solutions
- UK’s leading provider of Double Deck Trailer Lifting Platforms
- Loading Systems Offices in 10 countries including 3 new offices in 2012: Poland, Russia, UAE (Dubai)
- €60m Turnover
- 450 employees

- Loading bays are a focal point of activity and are of utmost importance in the logistical process, which is why concepts such as safety, efficiency, reliability and service delivery are central to our corporate ethos of:

  We take care.
Loading Accident Statistics

1. 246,000 UK workplace accidents every year
2. HSE statistics confirm that loading bays are accident hot-spots
3. Falls and crushing are the two main causes of work related injuries or deaths
4. 12% of accidents rated as fatal or major occur while loading or unloading
Vehicle “drive-off” or “creep” often results in major injury or fatality.
Safety starts with consultation

END USER

- **PURCHASING DEPARTMENT**
  - Price, Specification & Capability

- **ENGINEERING**
  - Technical input & innovation

- **ARCHITECTS**
  - Specialised input & design support

- **PROPERTY**
  - Early project specific input & project delivery

- **BUILDING CONTRACTORS**
  - Project management

- **OPERATIONS**
  - Product reliability, efficiency and optimal up-time

- **MAINTENANCE DEPARTMENT**
  - After-Sales Support and optimal up-time

- **TRADING LAW**
  - Legislative and Health & Safety Compliance

- **Music Department**
Choose the right supplier:

- Check equipment manufactured according to the relevant standards:
  - Dock-levellers: EN 1398
  - Lifting Platforms: EN 1570
  - Doors BS EN: EN 13241-1

- Are they members of reputable or credible trade associations?

- Ask for references from existing customers and try to visit them
Choose the right supplier:
Design: Prior to the construction stage
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Product Design: Based on application
Ensure products are manufactured according to the relevant industry norms and include recommended safety features according to EN 1398.
Product Design:
Configured to achieve maximum “lip-plant”
Fall Prevention: Barriers

[Images of different fall prevention barriers and equipment]
Prevention of Slips and Trips: Water Ingress
Prevention of Slips and Trips:
Close off the gaps

- Corner cushions prevent foot trapping /falling hazards, whilst at the same time preventing air and moisture ingress
Prevention of Slips and Trips:
Illumination

- Get the balance right, as too much light can be just as problematic as not enough light
Operator Protection: Barriers
Operator Protection: Segregation
Operator Protection: Safe Systems of Work

- Train your operators on the correct use of the equipment
- Carryout risk assessments and develop Safe Systems of Work
- Induct all visiting drivers
- Provide good safety signage around the loading bay for visitors and your operatives
- Carryout surveillance of your operators and refresh training regularly
Maintenance:
Protect your people and protect your assets

• Establish and carryout good preventative maintenance and repair regimes according to the manufacturers guidelines and keep records

• Choose competent service providers

• Understand the requirements of PUWER and LOLER and ensure steps are taken to achieve compliance
Automation: Less People = Less Risk
Prevention of load “roll away”:

- Ensure the equipment is being used according to the design parameters:

  Maximum operating gradient according to EN 1398 is 12% or 7 Degrees
Prevention of “vehicle creep”: Wheel Chocks
Prevention of “vehicle creep” risks:
Vehicle detection and operator warning systems
Prevention of vehicle Drive-Off:
Vehicle restraints
Drive-Off Prevention: Key Management
Drive-Off Prevention: Key Management
Product innovation designed around bespoke requirements

**Dock Door - Integrated System**
- Keys “tagged” at Goods In Office
- Unloading bay easily identified
- Position vehicle at dock door
- Driver returns to “safe area” at GI Office
- iFob inserted into Traka cabinet
- Dock door “cleared” to open
- Truck offloaded
- Dock door closed
- Traka cabinet signals “safe” condition
- Keys returned to driver (iFob removed)

**Door Opening Procedure**
- Dock Door “cleared” to open
- GI radio T/L to confirm bay No
- Supervisor inserts iFob into immobiliser
- Door powered to raise (T/L only)
- Vehicle offloaded
- Assembly operators close door
- Traka cabinet signals completion

**Positive Features**
- Fail safe system
- Robust protocol
- Dual level security (GI & Assy T/L)
- Management info available
- Driver location controlled
- Multiple benefits providing a calculable R.O.I
Key Management

- Installed on more than 3000 loading bays on 34 sites

- Key management is recognized by ROSPA as a reliable method of preventing vehicle drive off

- Facilitates both UK and continental logistics operators vehicles and drivers
Thank you for listening

www.loading-systems.com

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