



# FEM

European Materials Handling Federation  
[www.fem-eur.com](http://www.fem-eur.com)

Product Group/  
**MEWP**  
**mobile elevating work platforms**  
Subgroup elevating equipment



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**FEM 12.010**

## Guideline / STANDARDS SUMMARY



### **EN 1398:2009 Dock Levellers**

**EN 1570-1:2011:A1:2014 Safety requirements for lifting tables serving up to 2 fixed landings of a building, for lifting goods with a vertical travel speed not exceeding 0,15 m/s**

**EN 1570-2:2016 Safety requirements for lifting tables serving more than 2 fixed landings of a building, for lifting goods with a vertical travel speed not exceeding 0,15 m/s**

**EN 1756-1:2001 and EN 1756-2:2004 for tail lifts**

The Standards EN1398, EN 1570 and EN 1756 parts 1 and 2 are designed to provide a common understanding of the product for designers, manufacturers, users, owners and inspection bodies in the European Union.

#### **Benefits for the Manufacturer:**

- Compliance with the standard provides a method of conformity with the Machinery Directive.
- Establishes methods of avoiding hazards.
- Provides a detailed list of the significant hazards and safety requirements.
- Reviews requirements periodically to reflect current technology.
- Provides common safety factors.
- Gives an approved method of testing.
- Details the requirements for tests and calculations.
- Provides a benchmark for inspection bodies.
- Provides design standards for the EU market.
- Provides common detailed design criteria
  - Definition of loads and forces
  - Guidelines for the calculation
  - Safety factors for the calculation
  - Requirements for the electrical, hydraulic and pneumatic equipment
- Ensures a common product standard when quoting customers.

#### **Benefits for the purchaser, owner and user:**

- A reference for customers to specify equipment.
- Provides confidence that alternative suppliers throughout Europe meet the required safety standards.
- Consistency of reporting by inspection bodies.
- Standards are produced by experienced industry experts, including users, owners, manufacturers and inspectors.
- Provides minimum requirements for the operating controls of all products and ensures common operation of the product throughout the EU.
- Provides detailed information for Users and Owners on the maintenance of the products.
- One common standard for Specifiers, Owners and Users.
- Choosing a product that meets with the requirements of the EN standard ensures that it complies with the EC Machinery Directive\* and therefore can be CE marked.

***\*Note: all lifting tables, dock levellers and tail lifts that are placed on the EU market MUST meet the requirements of the Machinery Directive 2006/42/EC as transposed into the national law of each member state.***

**For more information:** contact FEM by e-mail at: [fem@admin.co.uk](mailto:fem@admin.co.uk)

The recommendations and advice contained in this Guidance Note are based on specifications, procedures and other information that have been collected from the FEM from its members. They represent what is, as far as FEM is aware, the best available data at the time of publication on the instruction and use of the equipment concerned in the general conditions described and are intended to provide guidance for such use.

The suitability of this Guidance Note must be determined by the judgement of the person applying it in accordance with the conditions in which use is envisaged and subject to all relevant statutory requirements.

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