

# Inspection Certificate

## Dynamic and Static Force Testing of Power-Operated Doors



### Description

Automatic doors can be dangerous if they are not installed properly or lack the necessary safety mechanisms. Safety requirements for automatic doors are laid down in the European Machinery Directive and in European standard regulations. One of the basic aspects of this procedure is the measurement of the closing force. Only properly adjusted automatic door systems are able to detect collisions and comply with the force limit values. The standard establishes a methodology for making the measurements.

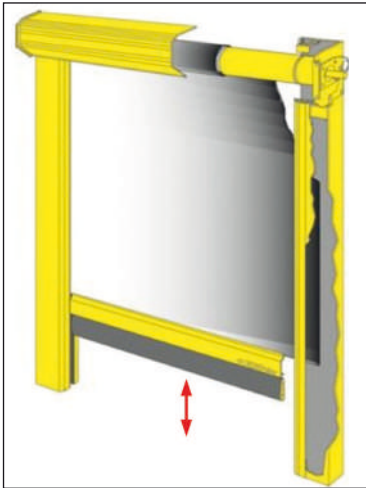
### Specifications

The tests are based on the following standards:

- **EN 12453** *Industrial, commercial and garage doors and gates. Safety in use of power operated doors. Requirements and test methods.*
- **EN 12445** *Industrial, commercial and garage Doors and gates. Safety in use of power operated doors. Test methods.*

### Examples

Examples of tests performed with the measuring equipment are shown below:



Power operated window



Measuring equipment

### Scope of the inspection

Dynamic and static force test (maximum 1,600N).

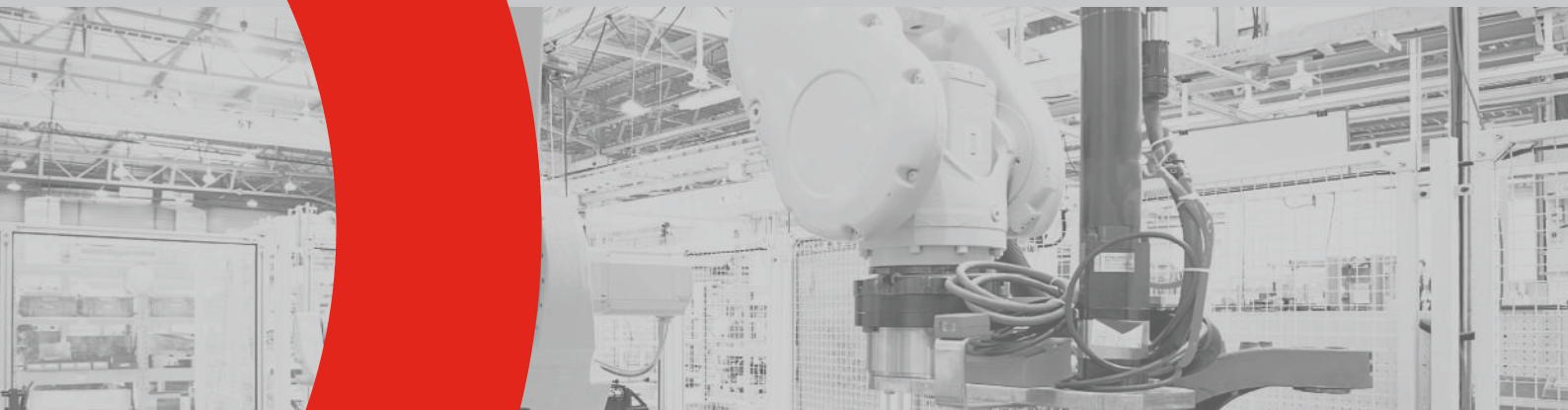
### Documentation

The following is delivered with each certificate:

- A PDF format inspection certificate.
  - A list of possible Non-Conformities found.
- (In Spanish. Other languages on demand.)



Inspection Seal



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