

Speed Gates – EU Safety Notice

Introduction:

A Speed Gate is an automatic gate that opens and closes very quickly. Speed Gates are used to control vehicle traffic flow on and off site, and provide high degrees of security and control. Speed Gates can operate with many types of access control device for both entry and exit. Once the authorised vehicle passes through the Speed Gate, the gate will be automatically triggered to close very quickly. This provides optimum security for your premises and helps to eliminate tailgating and fraudulent entry by unauthorised vehicles and people.

The design and operation of Speed Gates is controlled by stringent EU safety legislation and guidelines, which are outlined below.

Main Safety Issues:

Since 1st May 2005 automatic gates **MUST** be independently approved and conform to several aspects of EU standard EN 13241-1. The testing and approval must be carried out by an external independent specialist test house – “A Notified Body”. The main safety points of concern are: -

- i) Maximum closing force (EN 12453)
- ii) Photocell operation – Class 3, two sets (EN 12978)
- iii) Wind load calculations (EN 13424 and EN 12453)

Other significant safety matters which should be tested by an external “Notified Body” include:-

- i) Safety distances comply with “Machine Directives” EN 12604:2000 and EN349,EN12445:2000.
- ii) Photocells – minimum of 2 sets Class 3, transmitter and receiver, must operate on opening and closing.
- iii) Distance between open gate panel and other object, such as a wall or pillar, must be a minimum of 0.5m metre, EN 12604:2000.
- iv) The gate controller must be Class 3 or above, otherwise the effectiveness of the Class 3 photocells and Class 3 safety edges will be nullified.
- v) Building and Constructions Product Directives.

All HTC Parking and Security b.v. Speed Gates have been tested and approved by external specialist Notified Bodies and comply with all safety legislation and guidelines, including the leading European Test House – TÜV Germany.

HTC Parking and Security Ltd - Speed Gates comply with CE standards.

Certification is available on request.