

GATES | BARRIERS | BLOCKERS | BOLLARDS | PEDESTRIAN

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FRONTIER PITTS SECURITY
«GATES»
BRITISH PERIMETER SECURITY SPECIALISTS

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GATES

Frontier Pitts manufacture a large portfolio of Hostile Vehicle Mitigation Sliding and Hinged/Swing Gates.

Our **HVM Sliding Cantilevered Gates** are available with two impact test ratings:

Terra Sliding Cantilevered Gate
PAS 68 7.5t @ 50mph

Terra G8
IWA 14 7.2t @ 40mph

A **Cantilevered Gate** the gateleaf is supported by a main bottom beam, which slides 100mm above the road surface. The balance is provided by a unique enclosed runback track, which enables the gate to be fully projected across the roadway without tipping.

The benefits of a Cantilevered Gate are:

- Reduced civils cost
- Ease of installation; no need for road closures
- Reduced maintenance; no track to keep clear

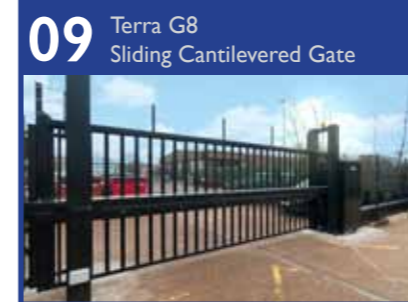
Our **HVM Hinged/Swing Gates** include:

Terra V Gate
PAS 68 7.5t @ 50mph (80kph)

Terra 180° Hinged Gate
IWA 14 7.2t @ 48kph (30mph)

Terra Swing Gate
PAS 68 7.5t @ 50mph (80kph)

HVM Hinged/Swing Gates are suitable for sites where Sliding Gates are not suitable due to lack of run back area.



“ We deliver more than just products from our UK HQ in Crawley, West Sussex ”



TERRA G8 SLIDING CANTILEVERED GATE



BENEFITS & FEATURES

- Successfully impact tested to the International IWA 14 specification
- The Sleek Terra G8 can secure entrances of 8m plus, providing Counter Terrorist protection for wider entrances
- Minimal site penetration
- Variable heights available. Standard 2400mm. Maximum 5000mm
- Shallow foundation depths of only 500mm required.
- Heavy duty posts support the gate leaf
- Cantilevered Gate, no track or support across the roadway is required, therefore no roadway excavation required
- The balance is provided by a unique enclosed “run-back” which enables the gate to be fully projected across the roadway without tipping
- Electronic control motor drive unit, 100% duty rated
- Manual operation under power fail conditions
- Designed for ease of installation and maintenance
- Shallow Embedment Foundation depths of only 350mm required. Foundation Type B

OPERATING SPEED

- Typical operating speed of 250-500mm/second*, depending on configuration
- EFO (extra fast operation) available

OPTIONS

- UPS (Uninterrupted power supply) allows a number of operations in power failure mode
- Disengaging box - manual override
- 100/200mm Traffic Light System
- High Security Cabinet
- Can be interfaced to any access control systems

SAFETY

- Vehicle detector loops
- Safety photocell beams
- Flashing beacons
- Audible alarm
- Safety Edge

CIVIL REQUIREMENTS

Gate base - L: 2000mm
W: 1600mm
D: 350mm

Receptor post foundations
L: 2000mm
W: 1600mm
D: 350mm

Note: Power and control wiring ducts may be required

ELECTRICAL REQUIREMENTS *

- Three Phase Supply



The HVM Gate has been successfully impact tested to the International IWA 14 specification with 7.2t @ 64kph (40mph) with a maximum width 8000mm.

- IWA 14 Terra G8 Sliding Gate 7.2t @ 64kph (40mph)
- V/7200[N2A]/64/90:1.8

Tested dimensions: width 8000mm, height 3000mm



PSSA
Verification Scheme

Applications: High Security sites, which require an HVM solution to secure occasional access points, out of hours security or remote locations with power supply restrictions.

* This is subject to a risk assessment to ensure the automatic equipment complies to BS EN 12453

TERRA SLIDING CANTILEVERED GATE



BENEFITS & FEATURES

- Successfully impact tested to PAS 68
- Minimal site penetration
- Variable heights available. Standard 2400mm. Maximum 5000mm
- Shallow foundation depths of only 500mm required.
- Heavy duty posts support the gate leaf
- Cantilevered Gate, no track or support across the roadway is required, therefore no roadway excavation required
- The balance is provided by a unique enclosed "run-back" which enables the gate to be fully projected across the roadway without tipping
- Electronic control motor drive unit, 100% duty rated
- Manual operation under power fail conditions
- Designed for ease of installation and maintenance
- Shallow Embedment Foundation depths of only 400mm required. Foundation Type B

OPERATING SPEED

- Typical operating speed of 250-500mm/second*, depending on configuration
- EFO (extra fast operation) available

OPTIONS

- UPS (Uninterrupted power supply) allows a number of operations in power failure mode
- Disengaging box - manual override

- 100/200mm Traffic Light System
- High Security Cabinet
- Can be interfaced to any access control systems

SAFETY

- Vehicle detector loops
- Safety photocell beams
- Flashing beacons
- Audible alarm
- Safety Edge

CIVIL REQUIREMENTS

Gate base - L: 4000mm
W: 2000mm
D: 280mm

Receptor post foundations
L: 4000mm
W: 2000mm
D: 280mm

Note: Power and control wiring ducts may be required

ELECTRICAL REQUIREMENTS *

- Three Phase Supply



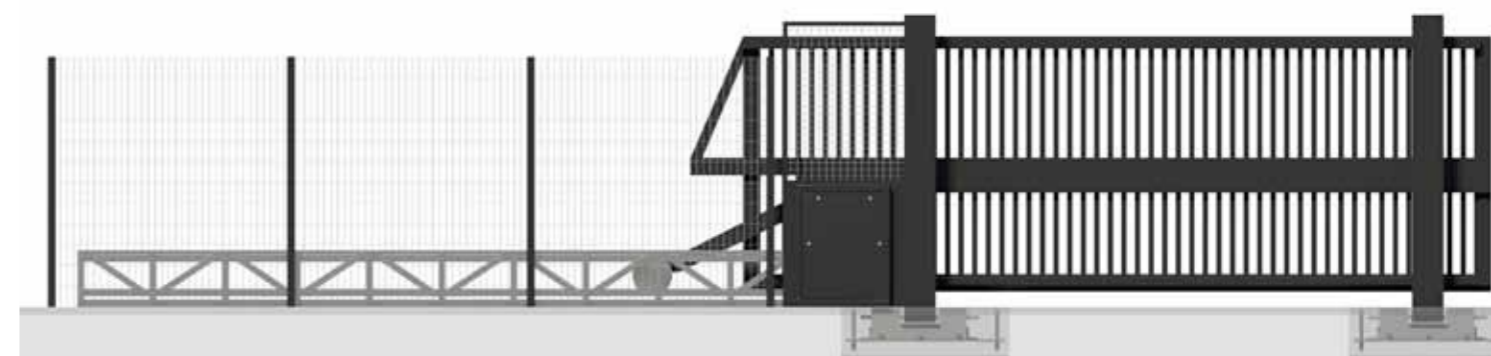
The HVM Gate has been successfully impact tested to the British PAS 68 specification with 7.5t @ 50mph (80kph) with a maximum width of 6000mm.

- PAS 68 Terra Sliding Cantilevered Gate 7.5t @ 50mph (80kph)
- V/7500[N3]/80/90:1.5/0.0

Tested dimensions: width 4500mm, height 3000mm



PSSA
Verification Scheme



Applications: High Security sites, which require an HVM solution to secure occasional access points, out of hours security or remote locations with power supply restrictions.

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TERRA V GATE



The HVM Bi-parting/Folding Gate has been successfully impact tested to the British PAS 68 specification with 7.5t @ 50mph (80kph) with a maximum width of 9000mm.

- PAS 68 Terra V Gate 7.5t @ 50mph (80kph)
- V/7500[N3]/80/90:0.0/0.0

Tested dimensions: width 4000mm, height 3000mm



PSSA
Verification Scheme

BENEFITS & FEATURES

- Successfully impact tested to PAS 68
- Zero penetration
- Fully functional after impact
- Variable heights available. Standard 3000mm. Maximum 5000mm
- Shallow foundation depths of only 340mm required
- Bi-parting pair of hinged gate leaves with Heavy Duty Crash Impact Beam
- Heavy duty posts support the gate leaf
- Secured at a shallow angle of only 135 degrees
- Designed for ease of installation and maintenance
- Hinged Gate leaves can be automated with our range of Trojan Actuators or Gate Back Actuators
- Shallow foundation depths of only 340mm required. Foundation Type B

TROJAN ACTUATOR

- Designed to automate larger, heavier gates
- 100% duty rating – designed for continuous operation
- Underground and surface mounted models available

GATE BACK ACTUATOR

- A powerful yet compact motive unit which provides a solution for automating single leaf hinged gate (up to 5m)
- 100% duty rating – designed for continuous operation

OPTIONS

- Accumulator or manual hand pump allow a number of operations in power failure mode
- In event of Power Failure options of Fail safe (remain in raised position) or Fail secure (remain in lowered position)
- 100/200mm Traffic Light System
- High Security Cabinet
- Can be interfaced to any access control systems

SAFETY

- Vehicle detector loops
- Safety photocell beams
- Flashing beacons
- Audible alarm
- Safety Edge

CIVIL REQUIREMENTS

- Gate base -** L: 4000mm
W: 2000mm
D: 280mm
- Receptor post foundations**
L: 4000mm
W: 2000mm
D: 280mm

Note: Power and control wiring ducts may be required

ELECTRICAL REQUIREMENTS *

- Dependent on automation



Applications: High Security sites which require equipment that meets a higher level of PAS 68 specification and have a lack of runback area for sliding gate.

* This is subject to a risk assessment to ensure the automatic equipment complies to BS EN 12453

TERRA SWING GATE



The manual HVM Swing Gate has been successfully impact tested to the British PAS 68 specification with 7.5t @ 50mph (80kph). Maximum width of 6000mm.

- PAS 68 Terra Swing Gate 7.5t @ 50mph (80kph)
- V/7500[N3]/80/90:0.0/25.0

Tested dimensions: width 3500mm, crash beam height 720mm



BENEFITS & FEATURES

- Successfully impact tested to PAS 68
- Zero penetration
- Shallow foundation depths of only 350mm required
- Manual swing gate with integrated crash beam
- Ideal for remote locations on sites where there is power supply restrictions
- Designed for ease of installation and maintenance
- Shallow foundation depths of only 350mm required. Foundation Type B

CIVIL REQUIREMENTS

Gate base - L: 4000mm
W: 1750mm
D: 444mm

Receptor post foundations
L: 4000mm
W: 1750mm
D: 444mm



Applications: High Security sites which require PAS 68 equipment at a location with no power supply, height restriction or lack of runback area for sliding gate.

* This is subject to a risk assessment to ensure the automatic equipment complies to BS EN 12453